

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\
 Data File : BF114569.D
 Acq On : 24 May 2019 14:49
 Operator : JU/SJ
 Sample : K2838-04MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Manual Integrations
 APPROVED

mohammad
 5/27/2019 3:48:03 AM

Quant Time: May 24 22:48:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140323	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	546567	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	266444	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	547003	20.00	ng	0.00
76) Chrysene-d12	13.99	240	392042	20.00	ng	0.00
87) Perylene-d12	15.45	264	407585	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1076502	123.46	ng	0.00
7) Phenol-d6	6.46	99	1385866	134.38	ng	0.00
23) Nitrobenzene-d5	7.38	82	841210	86.37	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	355357	129.01	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1501508	85.24	ng	0.00
79) Terphenyl-d14	12.92	244	1546205	81.30	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	150849	31.474	ng	98
3) Pyridine	3.32	79	393991	29.836	ng	97
4) n-Nitrosodimethylamine	3.26	42	233655	36.692	ng	99
6) Aniline	6.48	93	367857	24.693	ng	# 20
8) 2-Chlorophenol	6.61	128	444037	47.701	ng	91
9) Benzaldehyde	6.37	77	302466	41.893	ng	98
10) Phenol	6.48	94	540083	44.517	ng	90
11) bis(2-Chloroethyl)ether	6.55	93	417756	45.357	ng	97
12) 1,3-Dichlorobenzene	6.76	146	447254	42.803	ng	98
13) 1,4-Dichlorobenzene	6.83	146	457839	43.482	ng	99
14) 1,2-Dichlorobenzene	6.99	146	432728	44.983	ng	99
15) Benzyl Alcohol	6.96	79	362427	45.058	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	757039	42.391	ng	64
17) 2-Methylphenol	7.08	107	343457	44.915	ng	# 90
18) Hexachloroethane	7.32	117	165030	41.755	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	298678	45.691	ng	100
20) 3+4-Methylphenols	7.23	107	452823	51.254	ng	# 68
22) Acetophenone	7.22	105	590751	48.789	ng	# 89
24) Nitrobenzene	7.40	77	460960	46.470	ng	97
25) Isophorone	7.63	82	837947	46.392	ng	99
26) 2-Nitrophenol	7.72	139	239579	49.782	ng	99
27) 2,4-Dimethylphenol	7.76	122	370954	49.077	ng	100
28) bis(2-Chloroethoxy)methane	7.84	93	536910	45.813	ng	98
29) 2,4-Dichlorophenol	7.96	162	370490	49.225	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	387277	45.250	ng	99
31) Naphthalene	8.12	128	1234442	48.351	ng	98
32) Benzoic acid	7.87	122	52190	15.288	ng	99
33) 4-Chloroaniline	8.17	127	212472	18.263	ng	99
34) Hexachlorobutadiene	8.23	225	210904	43.309	ng	99
35) Caprolactam	8.54	113	128435m	52.333	ng	
36) 4-Chloro-3-methylphenol	8.67	107	393678	51.963	ng	99
37) 2-Methylnaphthalene	8.81	142	840792	51.042	ng	97
38) 1-Methylnaphthalene	8.91	142	792636	51.097	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	382569	47.400	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	116201	33.557	nq	96
43) 2,4,6-Trichlorophenol	9.10	196	248466	44.756	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	262343	46.079	nq	96
46) 1,1'-Biphenyl	9.27	154	1032830	47.983	nq	97
47) 2-Chloronaphthalene	9.30	162	785298	45.332	nq	99
48) 2-Nitroaniline	9.40	65	271960	44.267	nq	91
49) Acenaphthylene	9.72	152	1263264	47.946	nq	99
50) Dimethylphthalate	9.57	163	1136490	58.104	nq	99
51) 2,6-Dinitrotoluene	9.65	165	209376	48.262	nq #	85
52) Acenaphthene	9.89	154	739655	45.748	nq	99
53) 3-Nitroaniline	9.82	138	150089	27.870	nq	96
54) 2,4-Dinitrophenol	9.94	184	104418	50.576	nq	91
55) Dibenzofuran	10.06	168	1069593	45.115	nq	99
56) 4-Nitrophenol	10.00	139	246485	64.721	nq	99
57) 2,4-Dinitrotoluene	10.06	165	265332	45.061	nq #	81
58) Fluorene	10.40	166	894124	48.827	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.19	232	221312	45.051	nq	98
60) Diethylphthalate	10.27	149	965639	48.589	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	424197	47.164	nq	97
62) 4-Nitroaniline	10.43	138	233862	41.326	nq	97
63) Azobenzene	10.55	77	896078	46.582	nq	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	112159	42.672	nq	99
66) n-Nitrosodiphenylamine	10.51	169	808081	48.675	nq	99
67) 4-Bromophenyl-phenylether	10.87	248	271125	45.017	nq	98
68) Hexachlorobenzene	10.96	284	290932	43.665	nq	96
69) Atrazine	11.04	200	254646	49.289	nq	97
70) Pentachlorophenol	11.16	266	208861	66.128	nq	100
71) Phenanthrene	11.36	178	1301586	48.909	nq	99
72) Anthracene	11.42	178	1343501	50.262	nq	99
73) Carbazole	11.57	167	1281455	50.274	nq	99
74) Di-n-butylphthalate	11.89	149	1524077	51.900	nq	99
75) Fluoranthene	12.56	202	1436948	50.141	nq	99
77) Benzdine	12.67	184	284151	16.147	nq	95
78) Pyrene	12.79	202	1437742	45.588	nq	99
80) Butylbenzylphthalate	13.39	149	669728	50.452	nq	96
81) Benzo(a)anthracene	13.97	228	1185996	46.772	nq	99
82) 3,3'-Dichlorobenzidine	13.93	252	338412	34.403	nq #	98
83) Chrysene	14.02	228	1167564	46.971	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	921907	53.101	nq	100
85) Di-n-octyl phthalate	14.56	149	1519297	53.983	nq	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	1269619	57.793	nq	99
88) Benzo(b)fluoranthene	15.03	252	1245732	47.707	nq	100
89) Benzo(k)fluoranthene	15.06	252	1035658	43.176	nq	98
90) Benzo(a)pyrene	15.40	252	1111210	48.354	nq	97
91) Dibenzo(a,h)anthracene	16.94	278	1070045	56.035	nq	98
92) Benzo(g,h,i)perylene	17.38	276	1114350	58.230	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

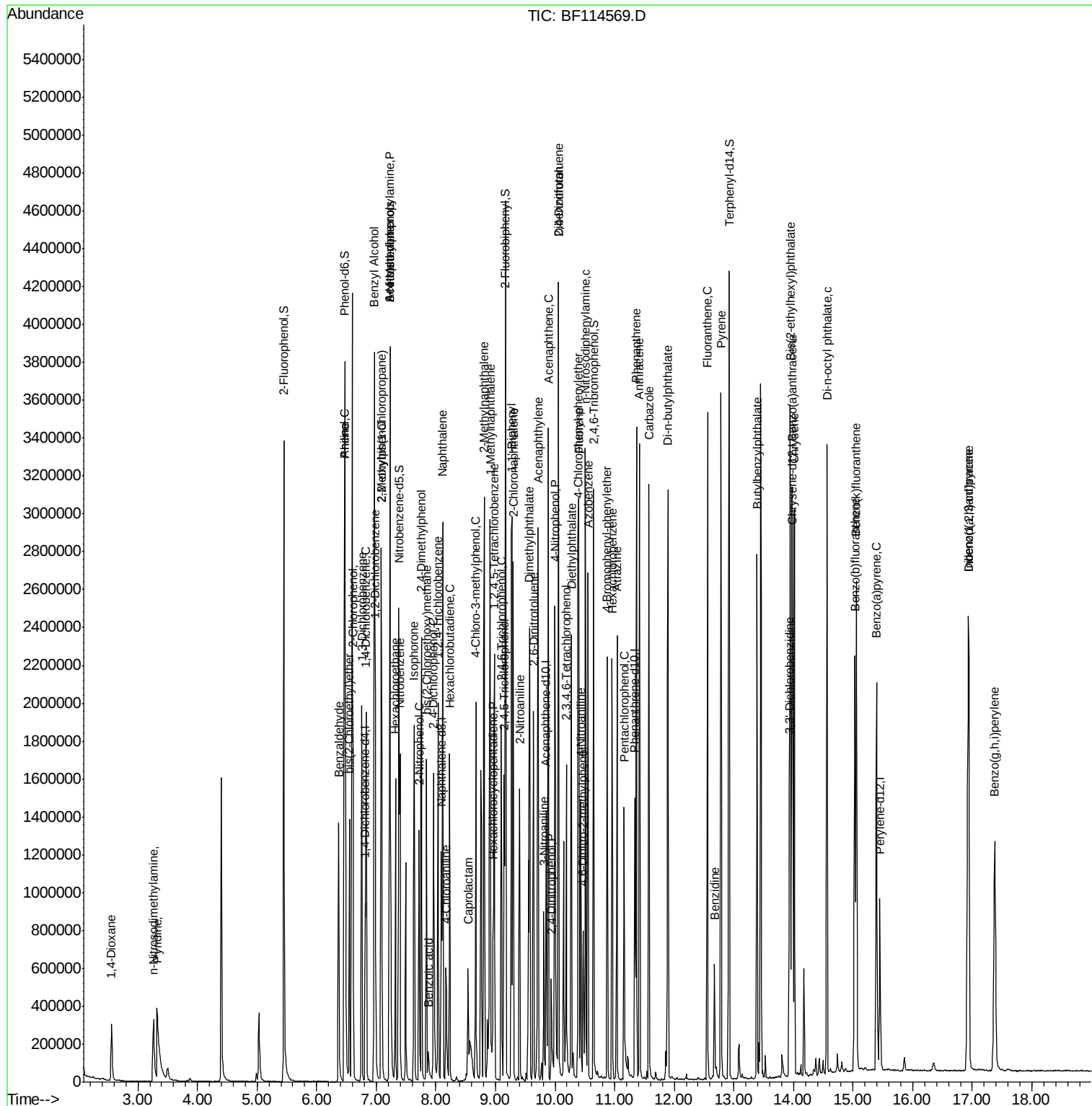
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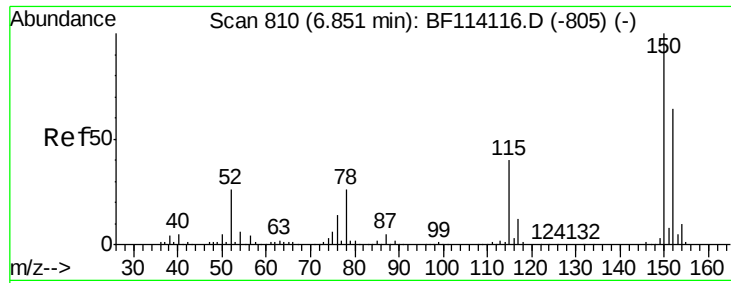
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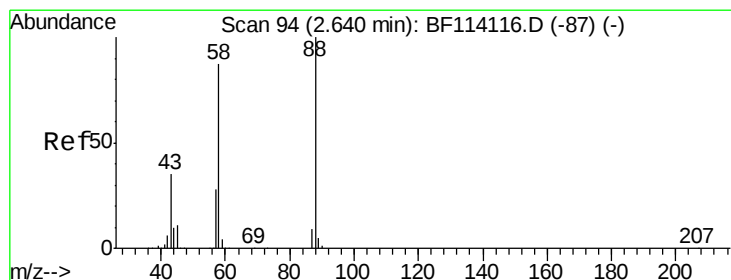
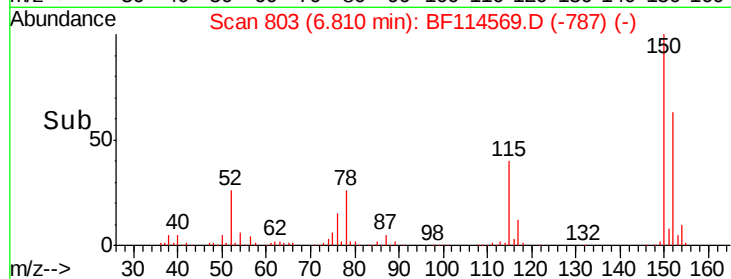
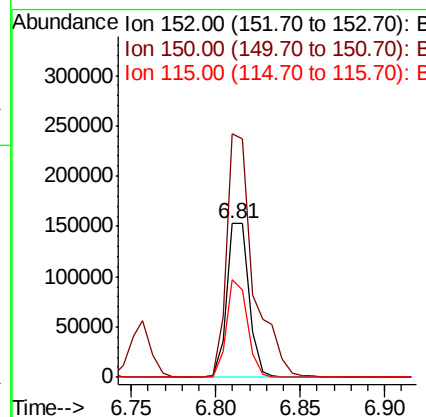
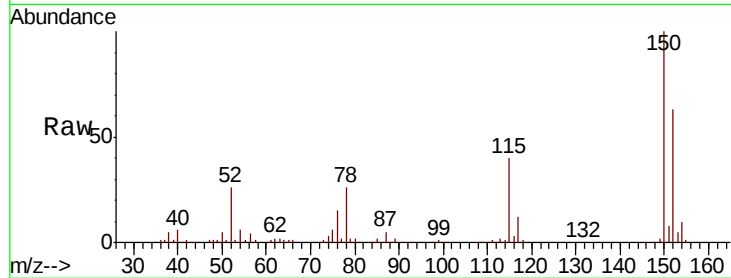
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	63.4	49.1	73.7

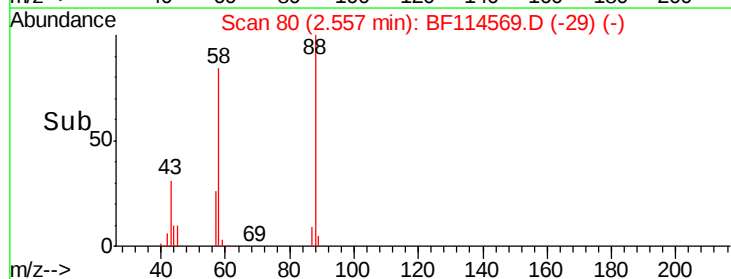
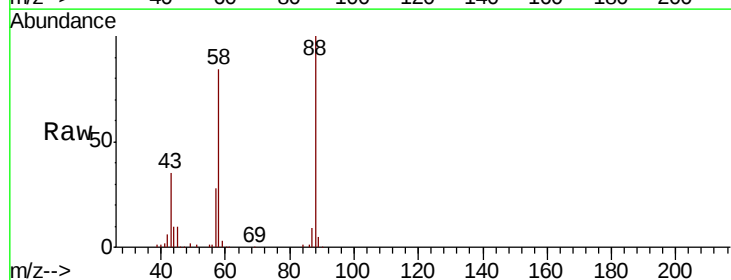
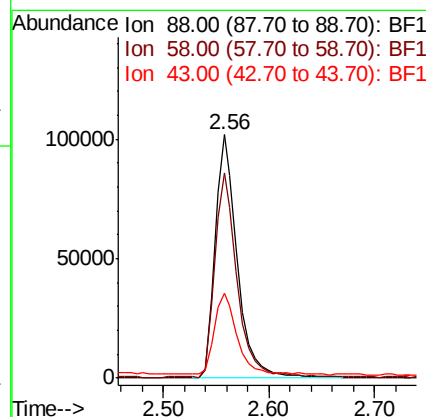
Manual Integrations
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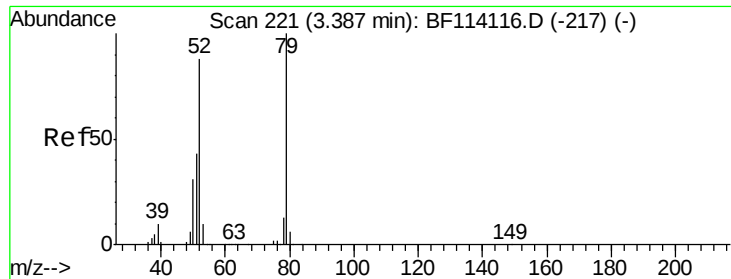
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#2
 1,4-Dioxane
 Concen: 31.474 ng
 RT: 2.56 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.6	68.7	103.1
43	33.4	28.2	42.2





#3

Pvridine

Concen: 29.836 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.02 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

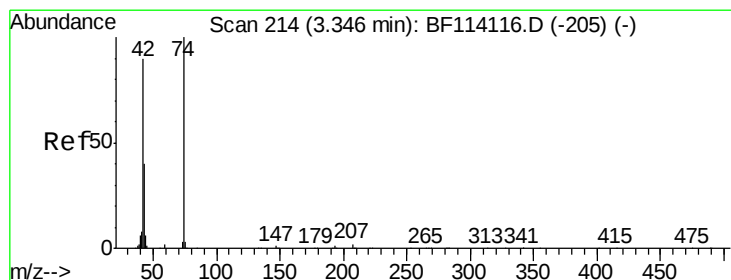
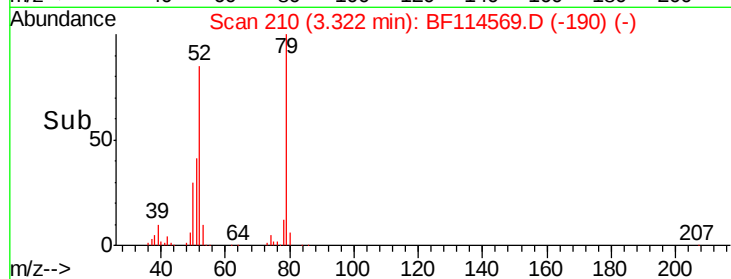
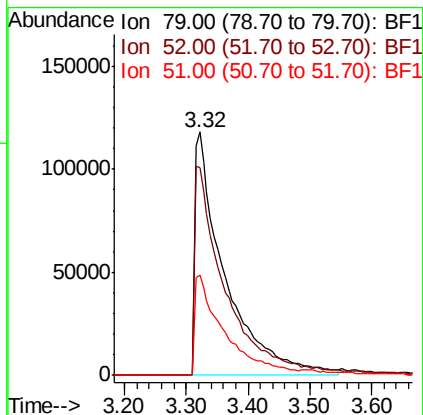
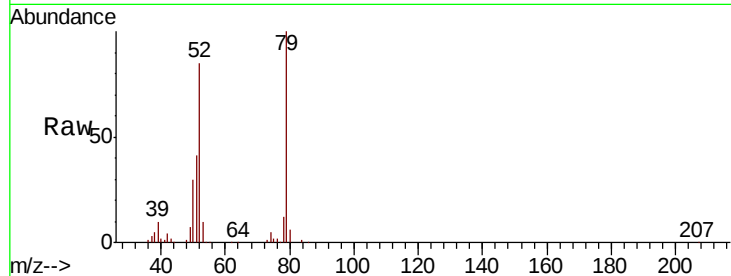
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	79	Resp:	393991
Ion Ratio	Lower	Upper	
79	100		
52	85.3	70.6	105.8
51	41.1	34.2	51.2

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#4

n-Nitrosodimethylamine

Concen: 36.692 ng

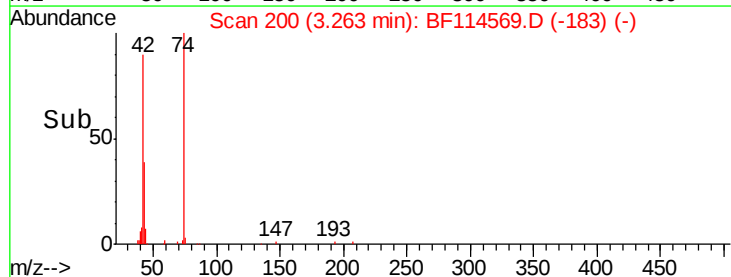
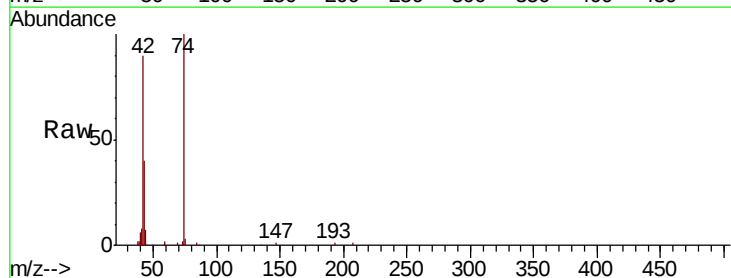
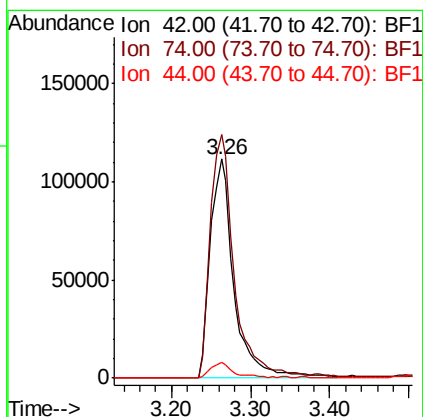
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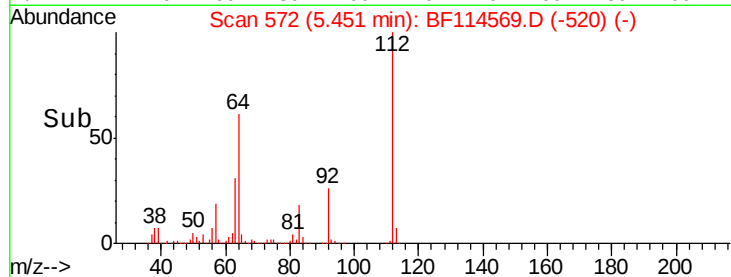
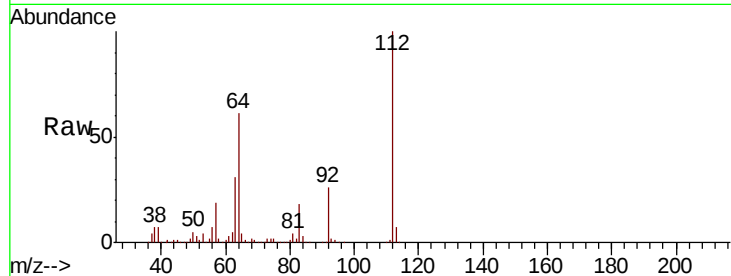
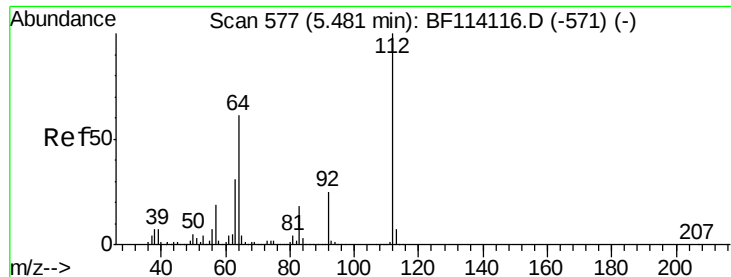
Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	42	Resp:	233655
Ion Ratio	Lower	Upper	
42	100		
74	111.3	88.6	132.8
44	7.4	5.5	8.3





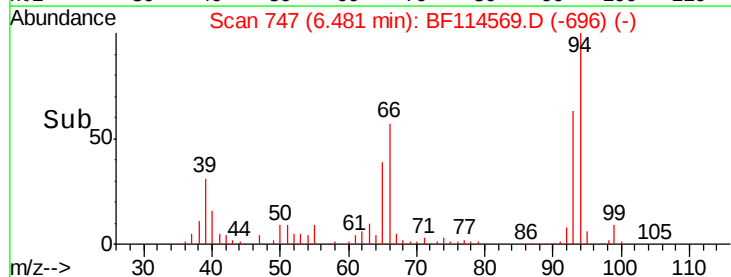
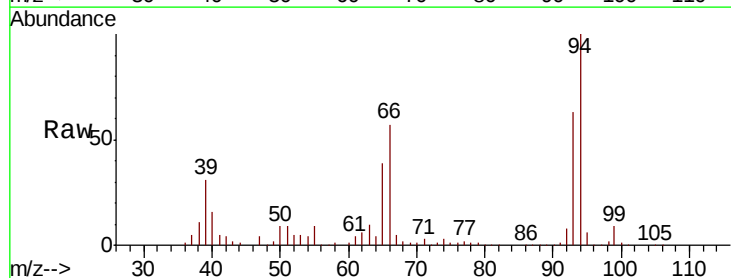
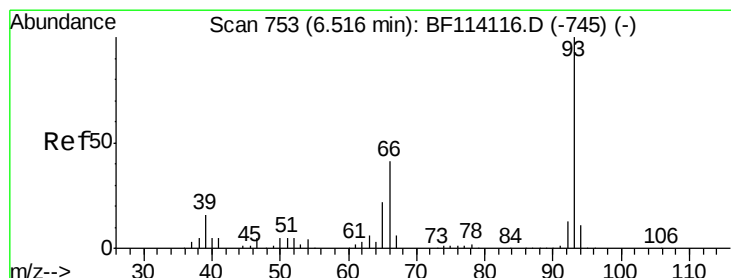
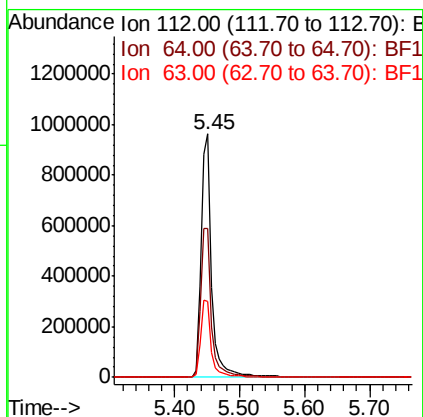
#5
2-Fluorophenol
Concen: 123.456 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tot Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.0	73.6
63	31.2	24.6	37.0

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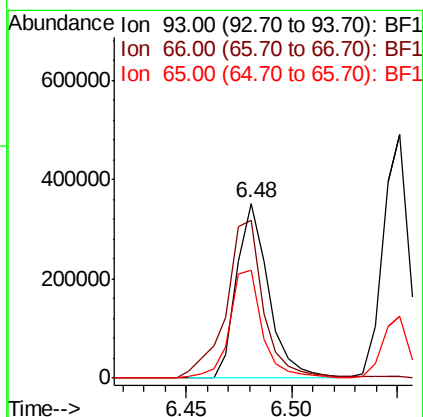
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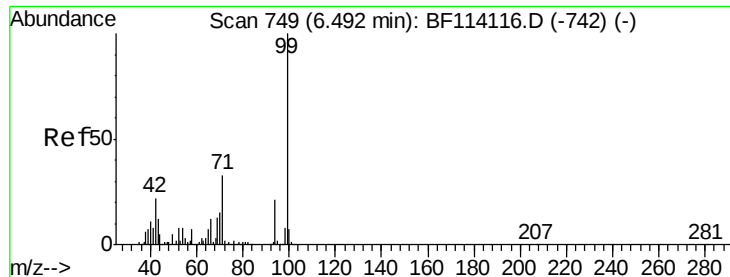
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#6
Aniline
Concen: 24.693 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
93	100		
66	90.7	33.2	49.8#
65	61.4	17.6	26.4#





#7

Phenol-d6

Concen: 134.379 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114569.D

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BNA_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion: 99 Resp: 1385866

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

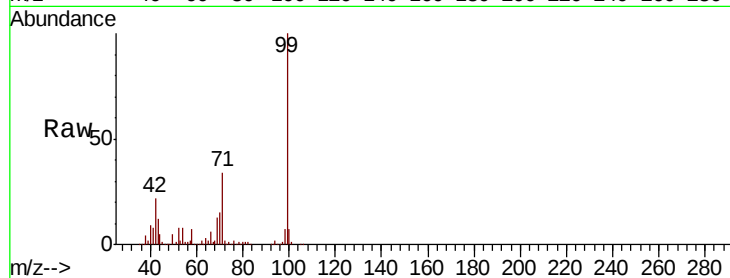
71 33.9 26.2 39.2

Manual Integrations

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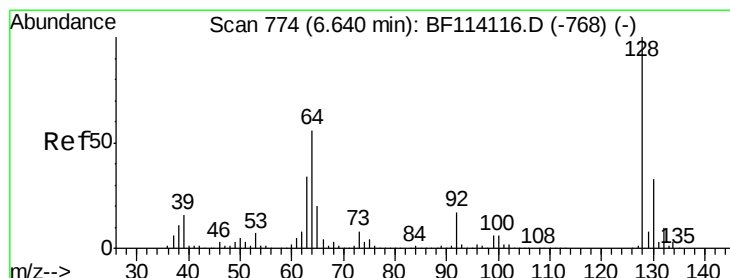
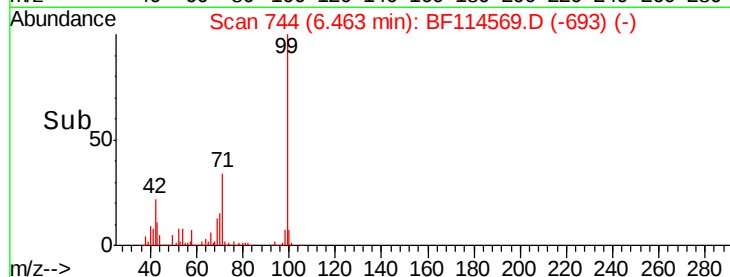
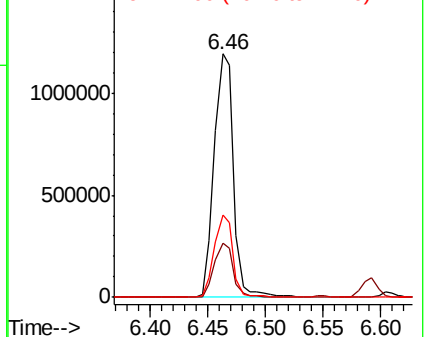
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 47.701 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

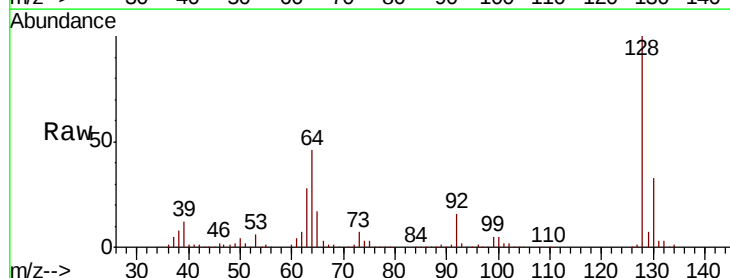
Tgt Ion:128 Resp: 444037

Ion Ratio Lower Upper

128 100

130 33.1 12.6 52.6

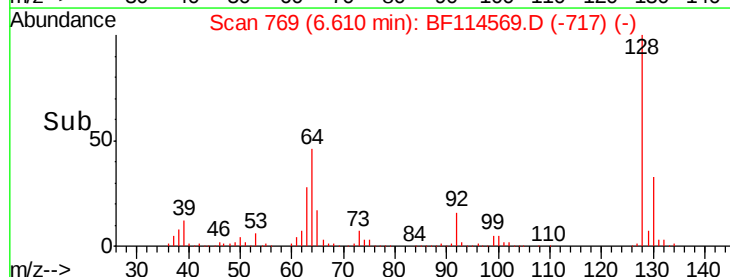
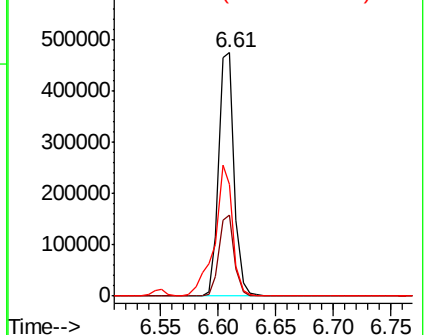
64 45.9 35.9 75.9

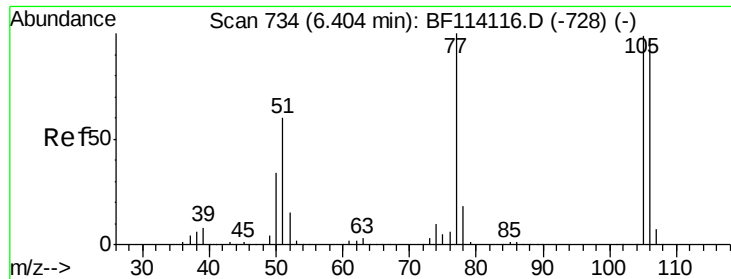


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 41.893 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

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Instrument :

BNA_F

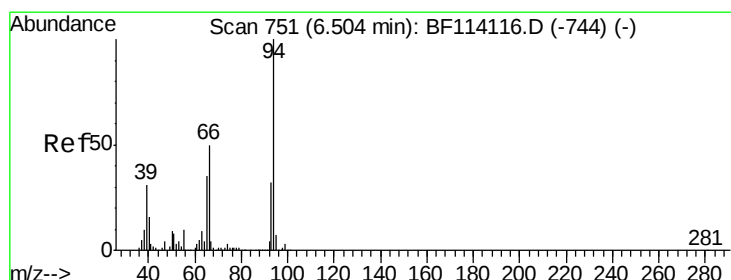
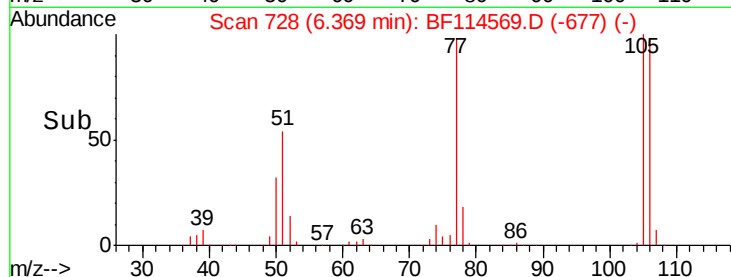
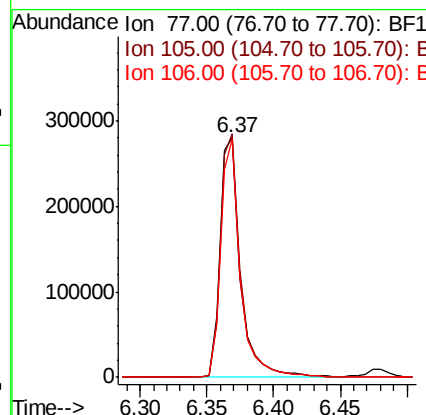
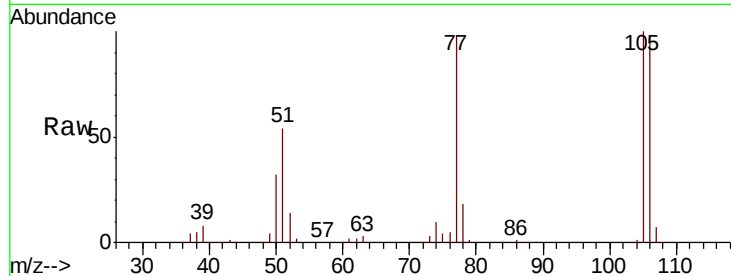
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	77	Resp:	302466
Ion	Ratio	Lower	Upper
77	100		
105	101.6	79.3	119.3
106	99.5	77.0	117.0

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#10

Phenol

Concen: 44.517 ng

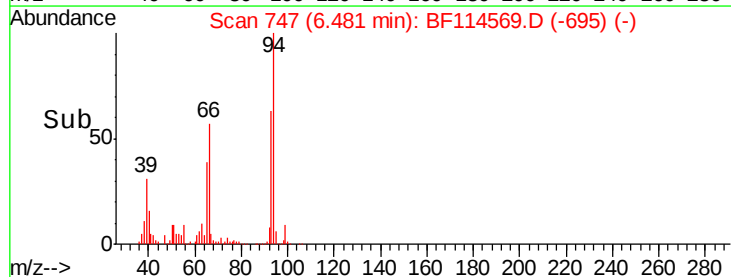
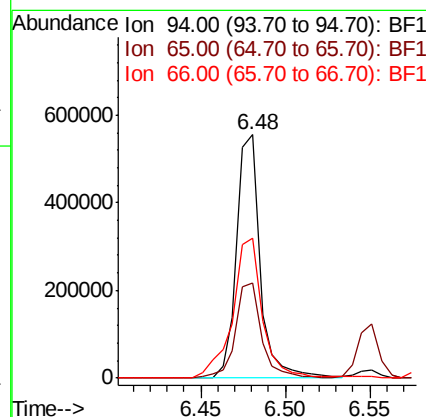
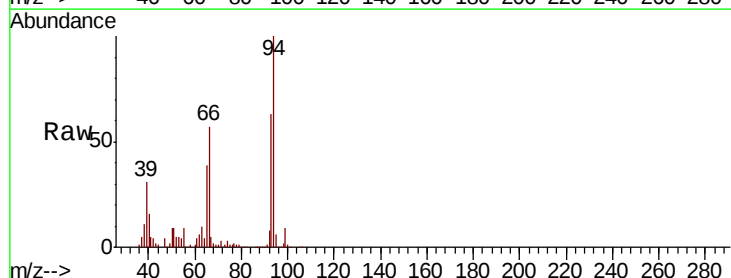
RT: 6.48 min Scan# 747

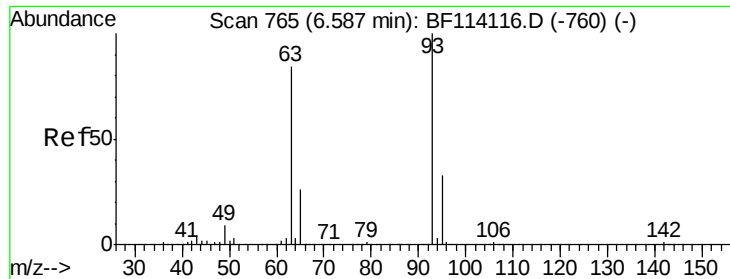
Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	94	Resp:	540083
Ion	Ratio	Lower	Upper
94	100		
65	38.9	14.7	54.7
66	57.5	29.6	69.6





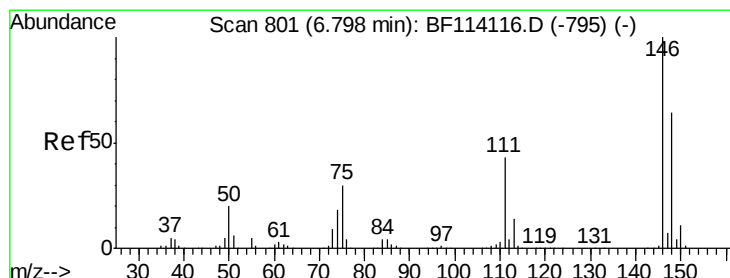
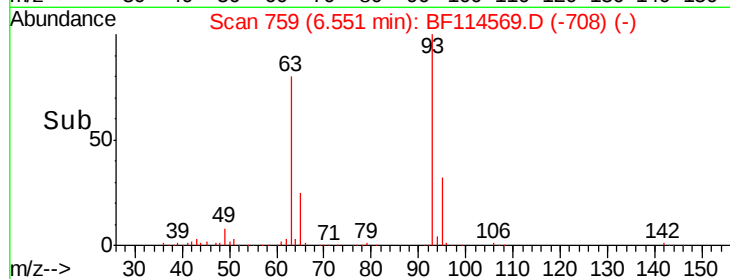
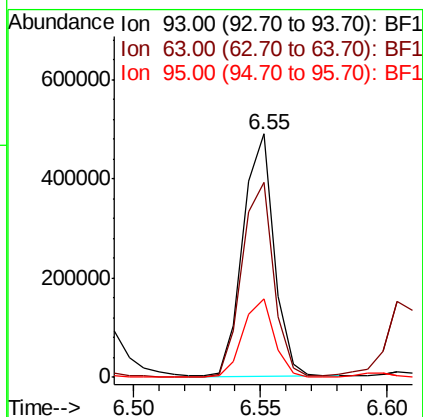
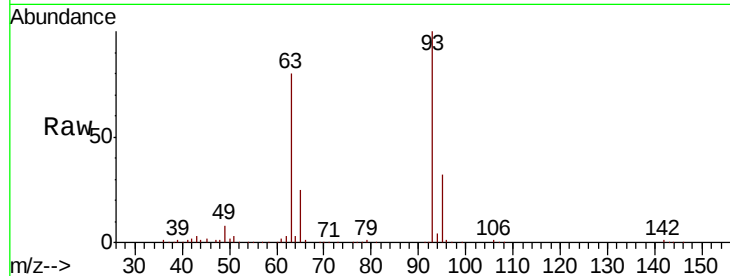
#11
bis(2-Chloroethyl)ether
Concen: 45.357 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.2	63.6	103.6
95	32.1	13.1	53.1

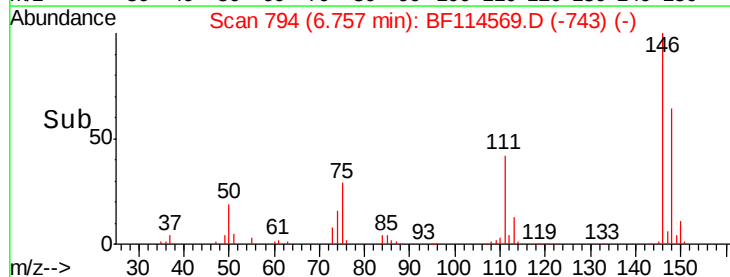
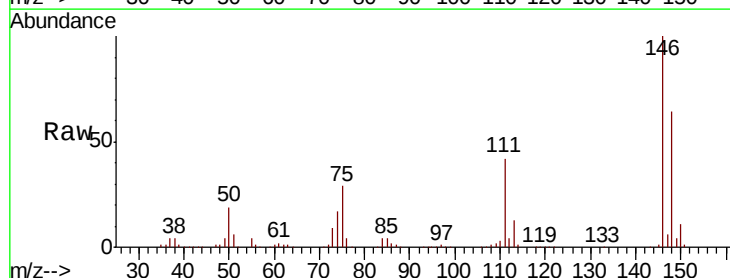
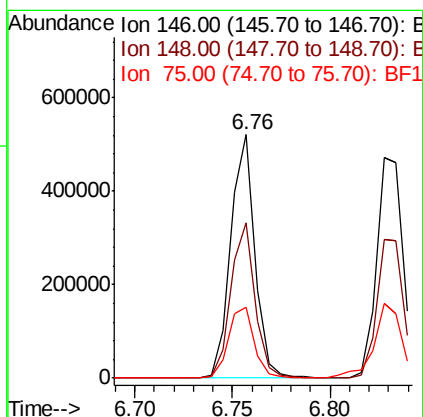
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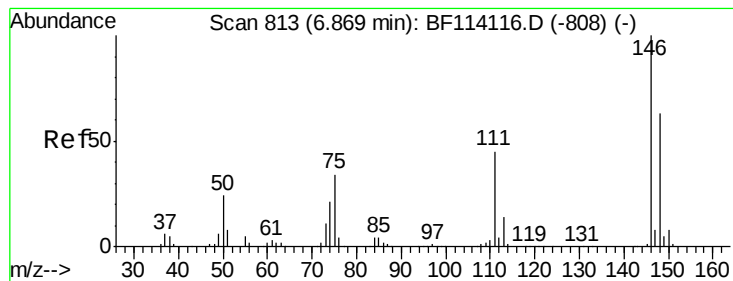
mohammad
5/27/2019 3:48:03 AM



#12
1,3-Dichlorobenzene
Concen: 42.803 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
75	28.9	24.2	36.2





#13

1,4-Dichlorobenzene

Concen: 43.482 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

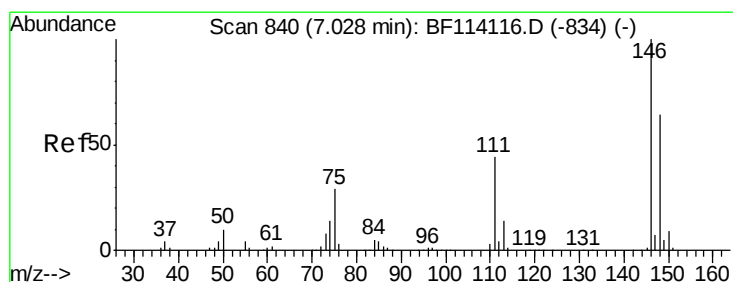
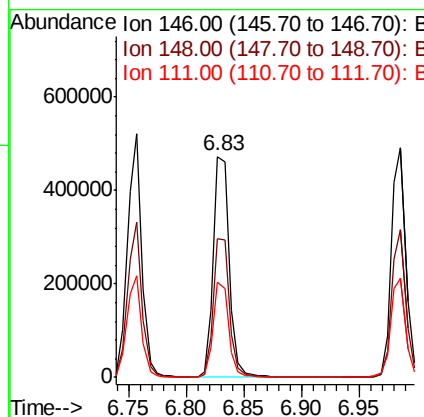
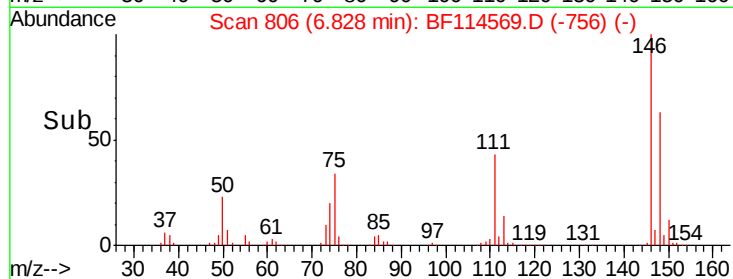
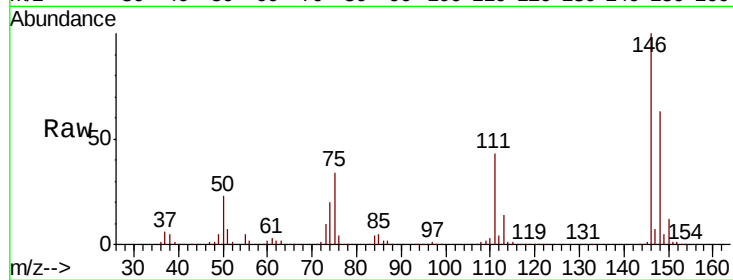
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	146	Resp:	457839
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.2	75.2
111	43.3	35.8	53.6

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#14

1,2-Dichlorobenzene

Concen: 44.983 ng

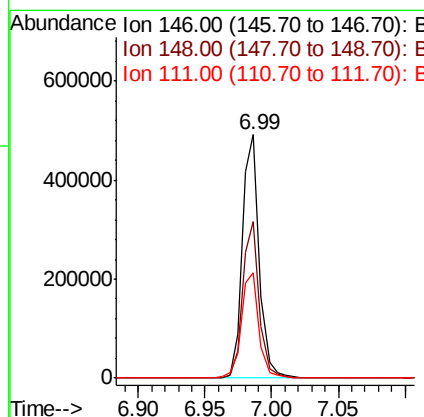
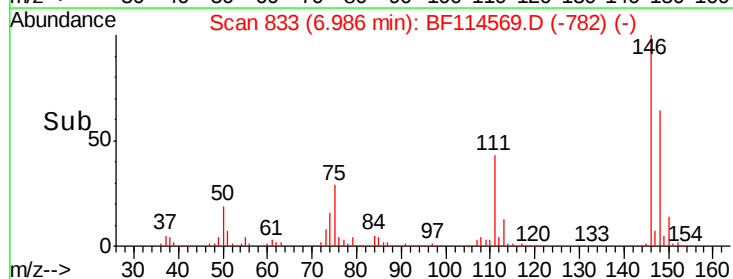
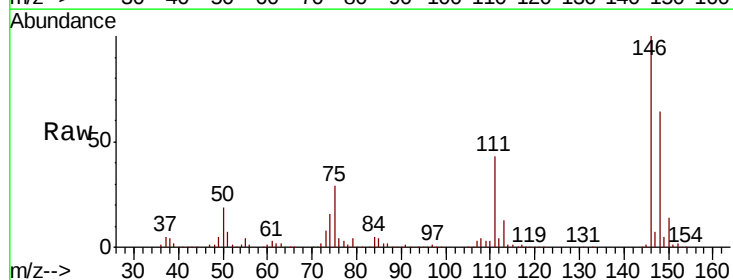
RT: 6.99 min Scan# 833

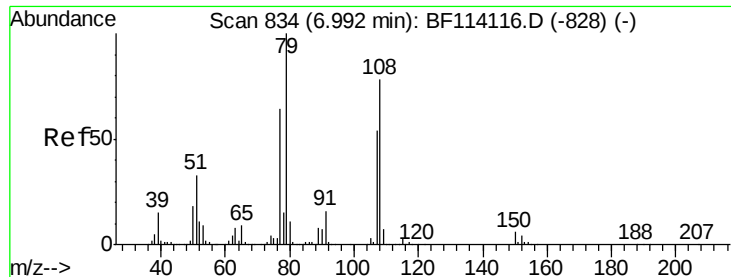
Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	146	Resp:	432728
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.1	76.7
111	43.0	35.3	52.9





#15

Benzyl Alcohol

Concen: 45.058 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

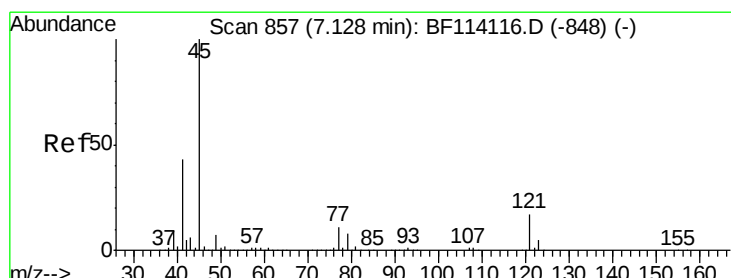
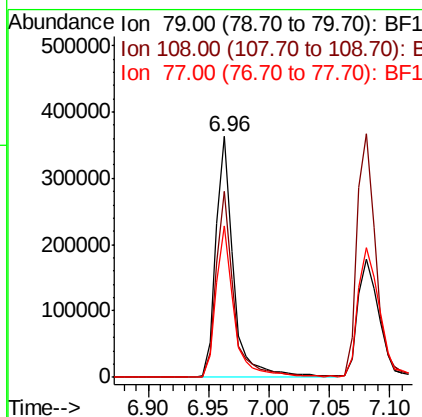
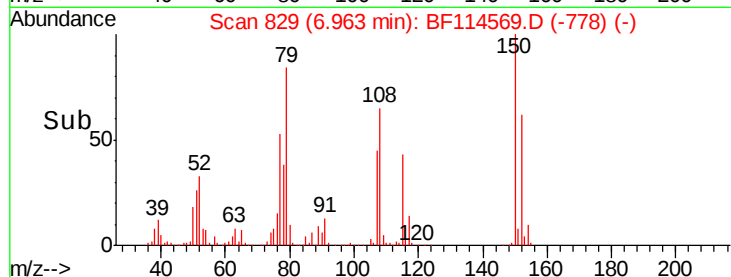
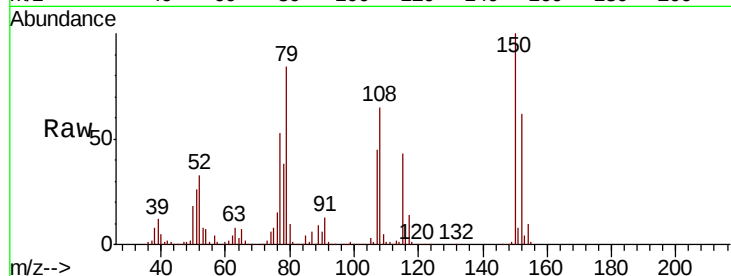
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	79	Resp:	362427
Ion Ratio	Lower	Upper	
79	100		
108	77.2	62.1	93.1
77	63.2	51.0	76.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.391 ng

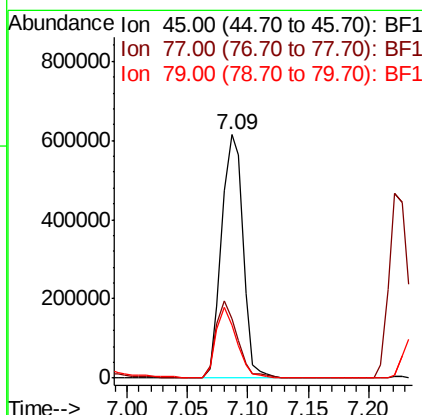
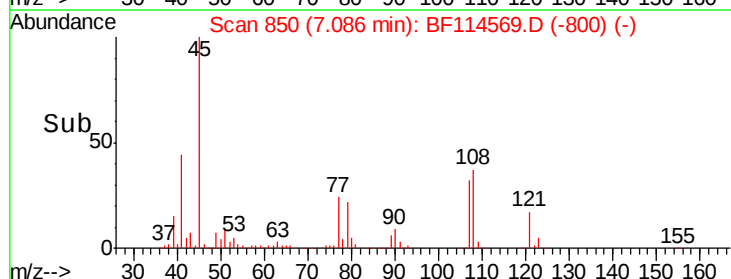
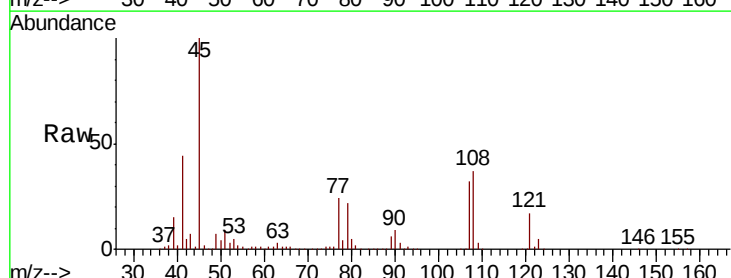
RT: 7.09 min Scan# 850

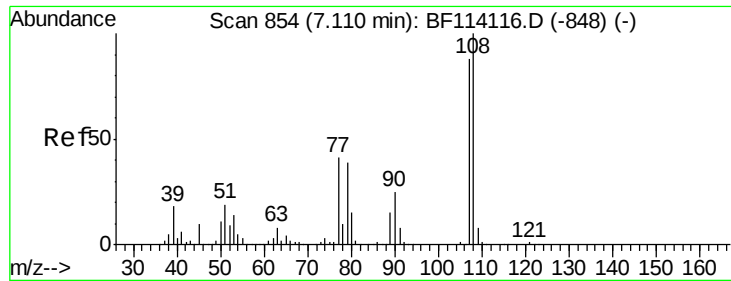
Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	45	Resp:	757039
Ion Ratio	Lower	Upper	
45	100		
77	24.5	0.0	31.1
79	21.8	0.0	28.4





#17

2-Methylphenol

Concen: 44.915 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

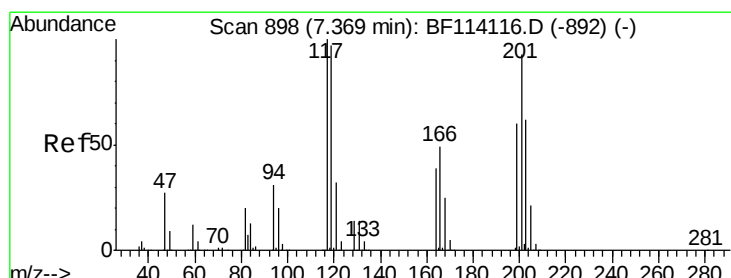
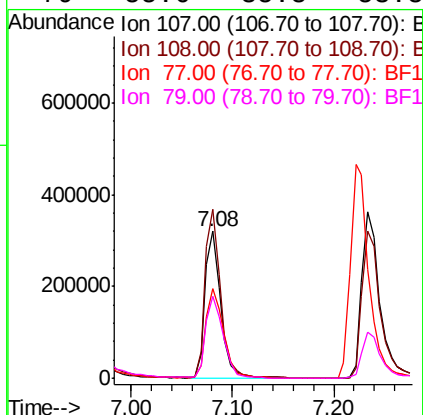
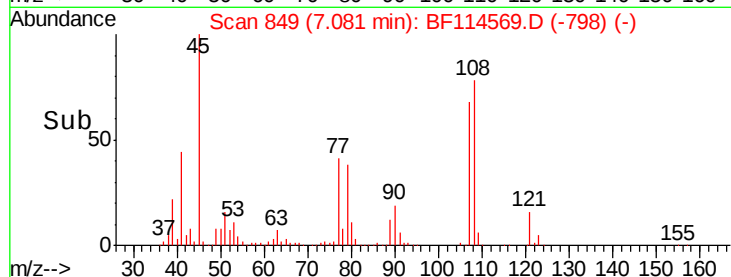
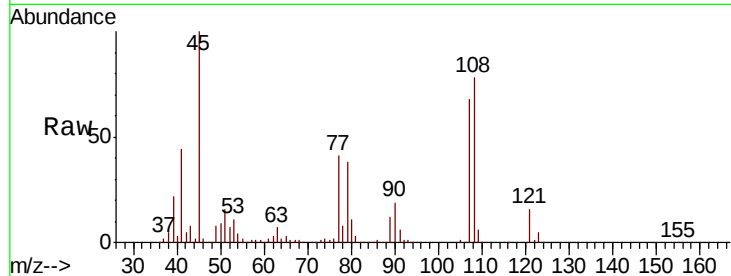
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	107	Resp:	343457
Ion Ratio	Lower	Upper	
107	100		
108	114.8	90.5	135.7
77	60.9	37.0	55.4#
79	55.6	35.8	53.8#

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#18

Hexachloroethane

Concen: 41.755 ng

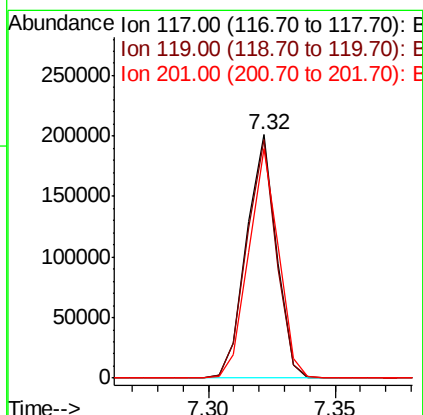
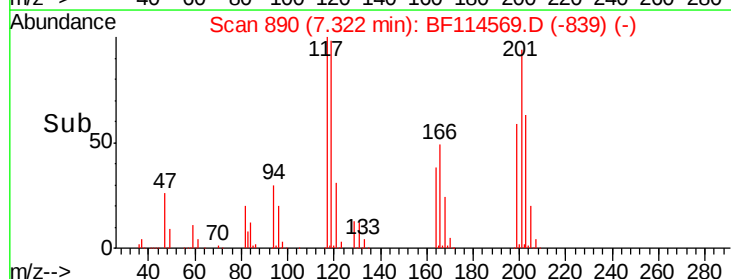
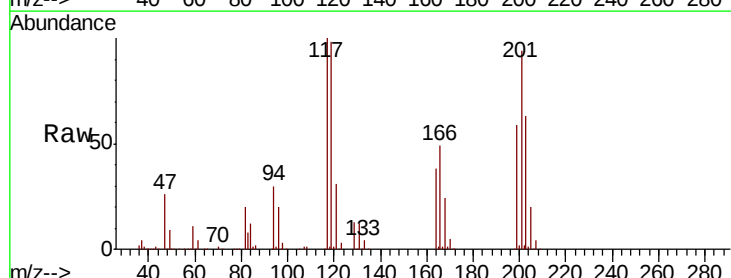
RT: 7.32 min Scan# 890

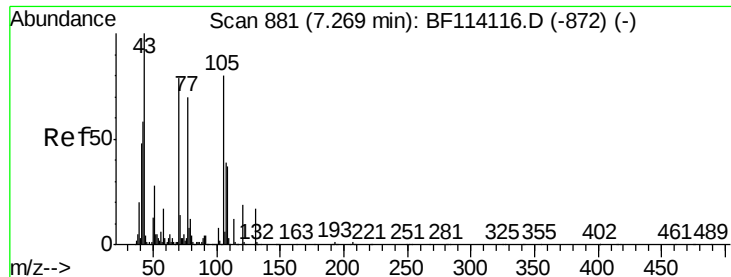
Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	117	Resp:	165030
Ion Ratio	Lower	Upper	
117	100		
119	98.2	77.4	116.2
201	94.3	74.5	111.7





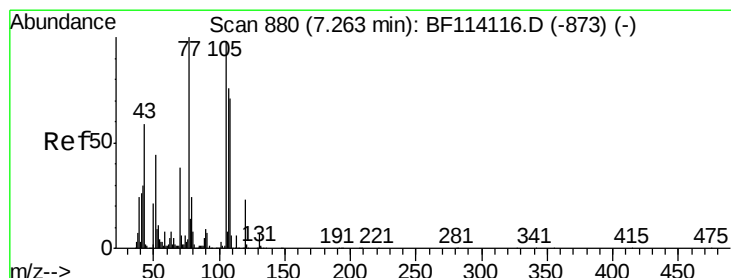
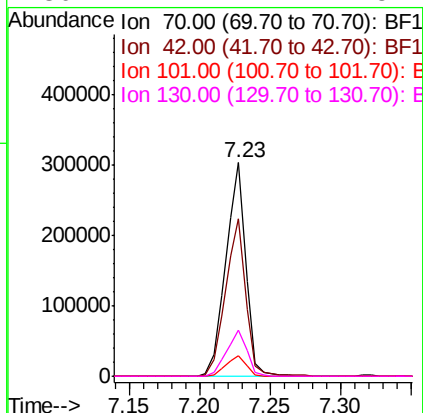
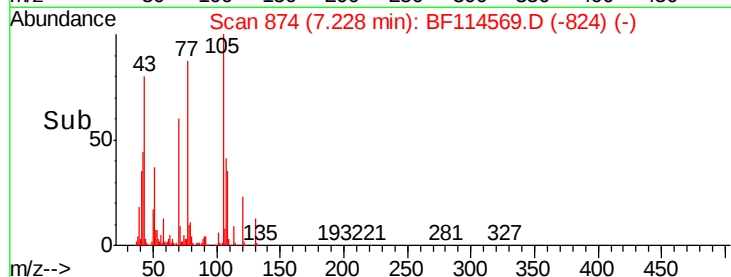
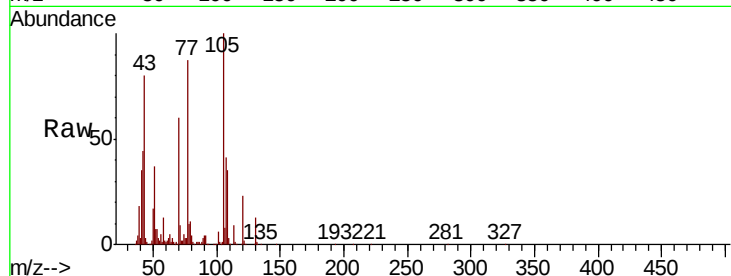
#19
n-Nitroso-di-n-propylamine
Concen: 45.691 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	73.6	58.6	87.8	
101	9.7	7.8	11.8	
130	21.7	17.1	25.7	

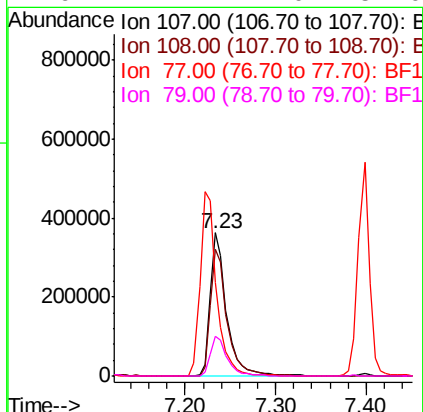
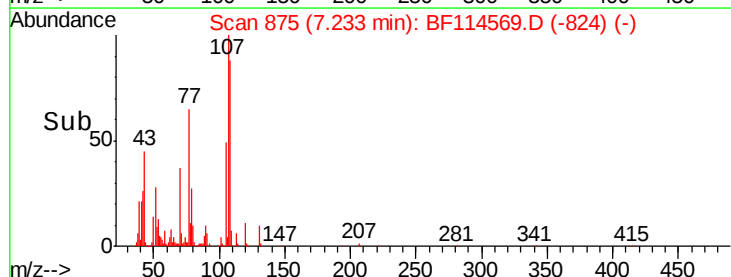
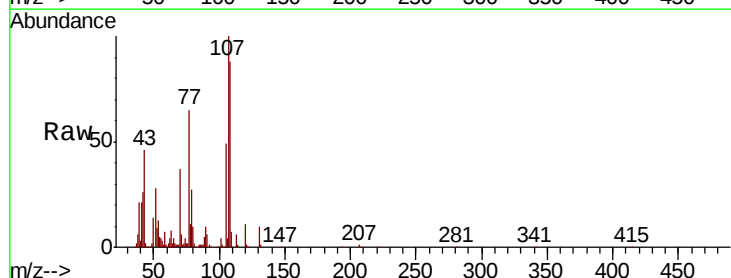
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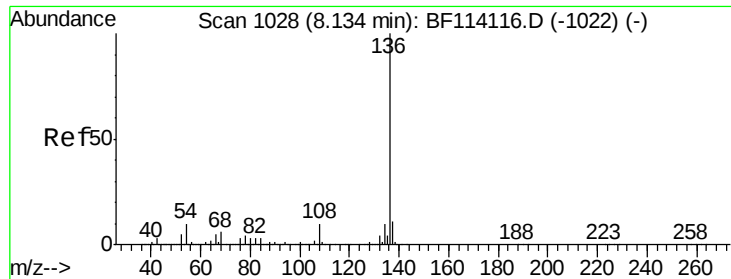
mohammad
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#20
3+4-Methylphenols
Concen: 51.254 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.3	73.8	113.8	
77	65.3	111.5	151.5	
79	27.4	12.0	52.0	





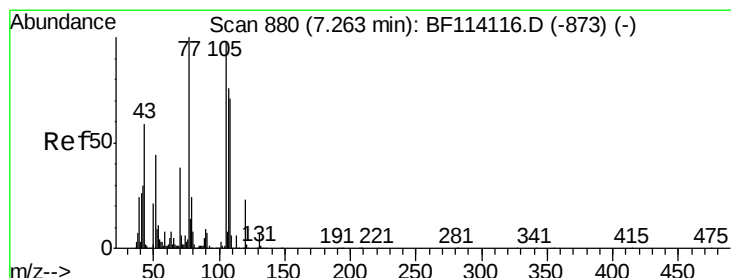
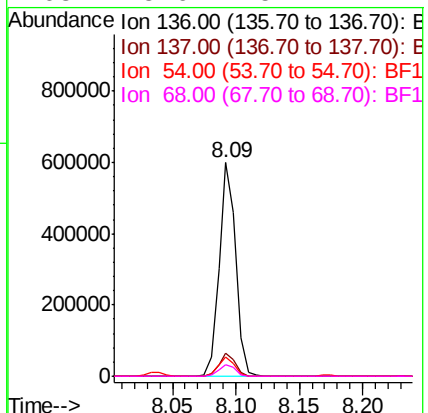
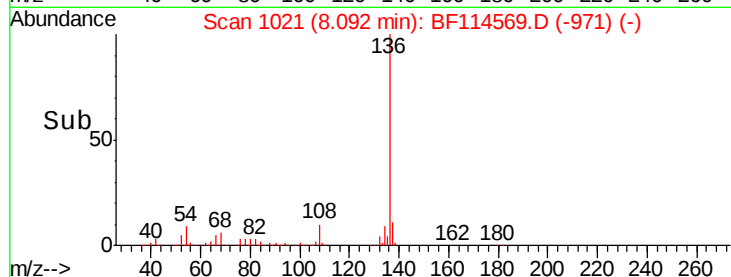
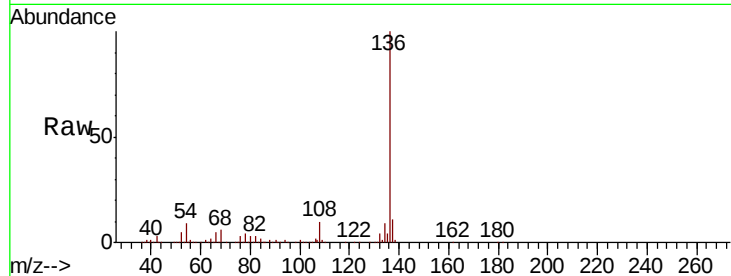
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		546567		
137	10.9		8.8	13.2	
54	9.1		7.8	11.8	
68	5.6		5.1	7.7	

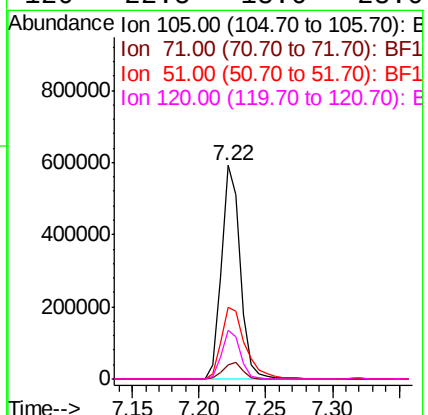
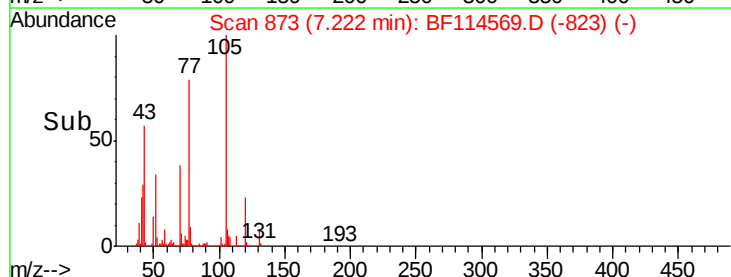
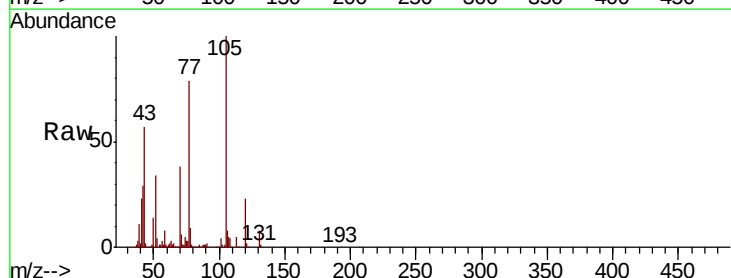
Manual Integrations
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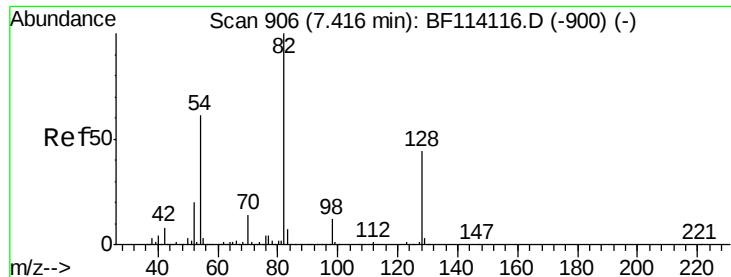
mohammad
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#22
Acetophenone
Concen: 48.789 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		590751		
71	6.4		5.3	7.9	
51	33.6		36.2	54.4	
120	22.5		18.6	28.0	





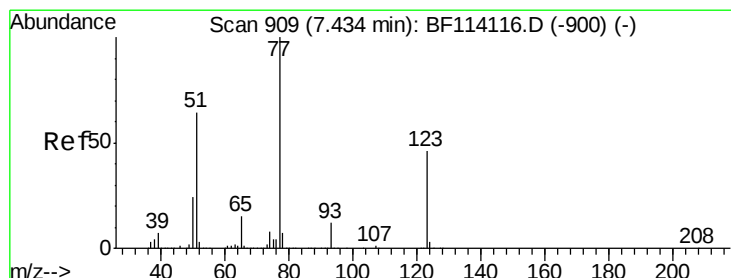
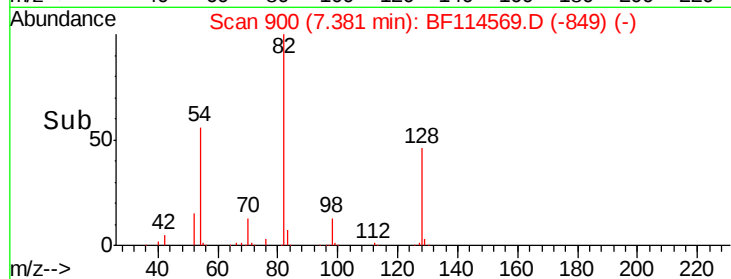
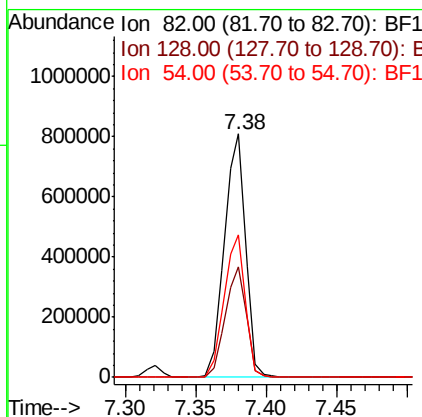
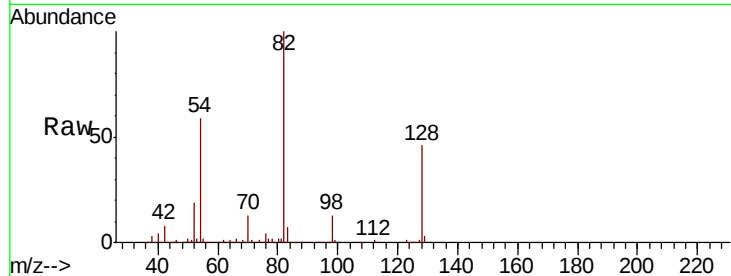
#23
 Nitrobenzene-d5
 Concen: 86.373 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.5	53.3
54	58.6	48.5	72.7

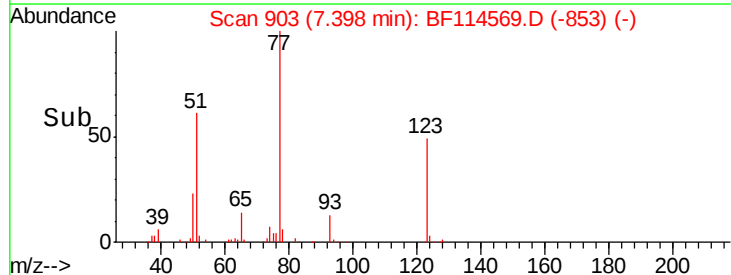
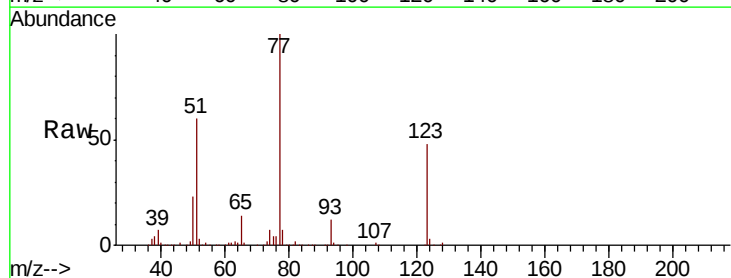
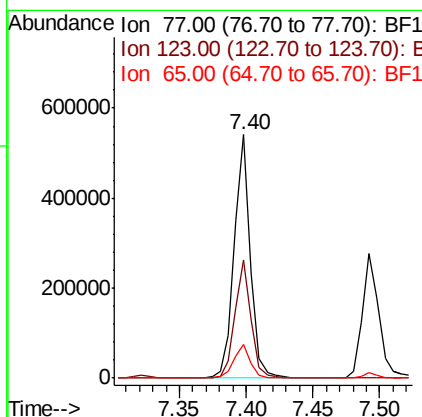
Manual Integrations
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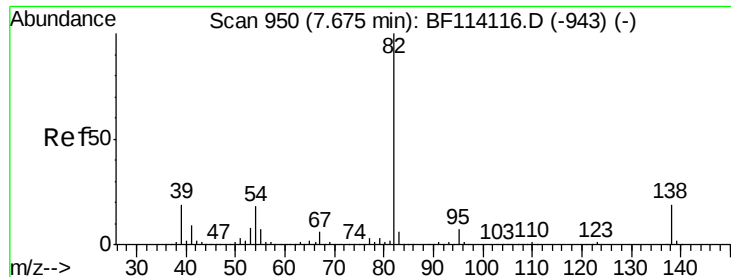
mohammad
 5/27/2019 3:48:03 AM



#24
 Nitrobenzene
 Concen: 46.470 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.4	36.9	55.3
65	13.7	11.8	17.6





#25

Isophorone

Concen: 46.392 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

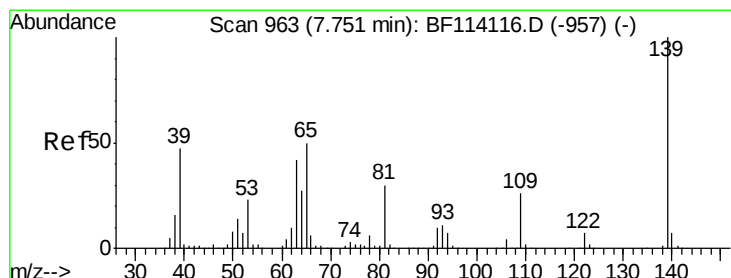
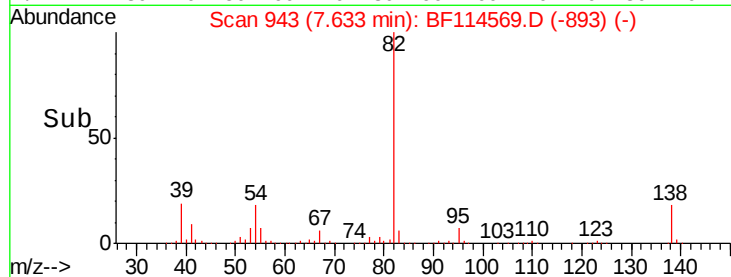
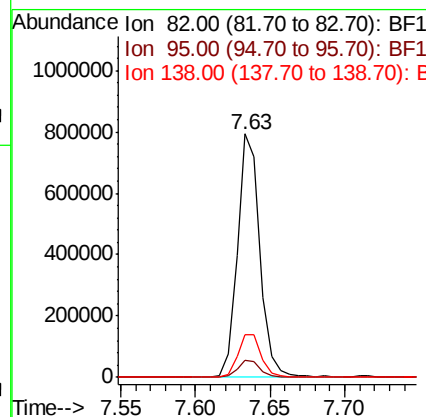
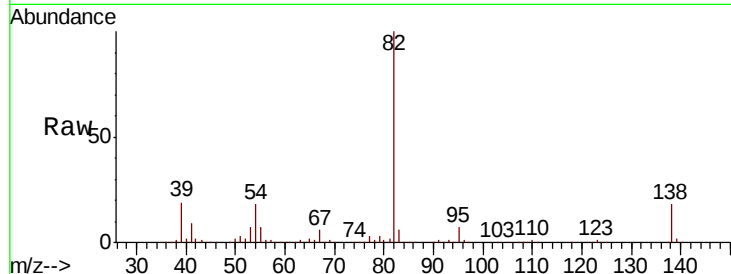
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	82	Resp:	837947
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.6	8.4
138	17.7	14.8	22.2

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#26

2-Nitrophenol

Concen: 49.782 ng

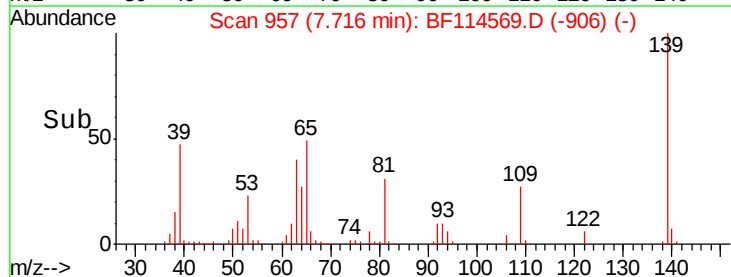
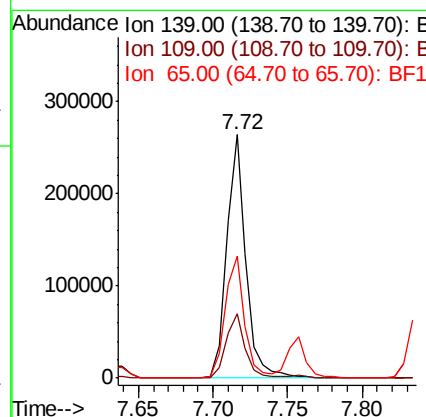
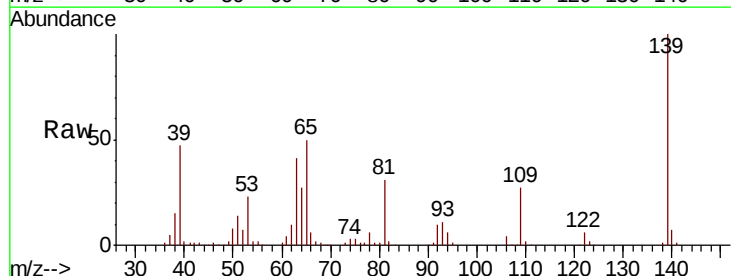
RT: 7.72 min Scan# 957

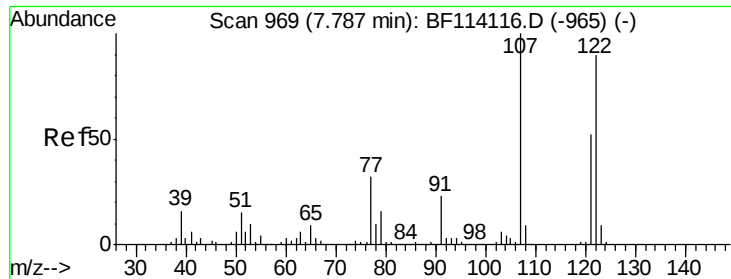
Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	139	Resp:	239579
Ion Ratio	Lower	Upper	
139	100		
109	26.7	20.7	31.1
65	50.0	40.2	60.2





#27

2,4-Dimethylphenol

Concen: 49.077 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

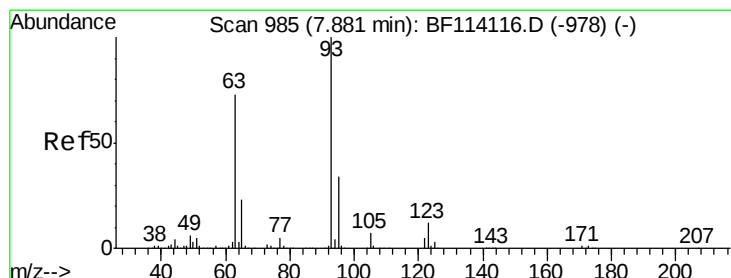
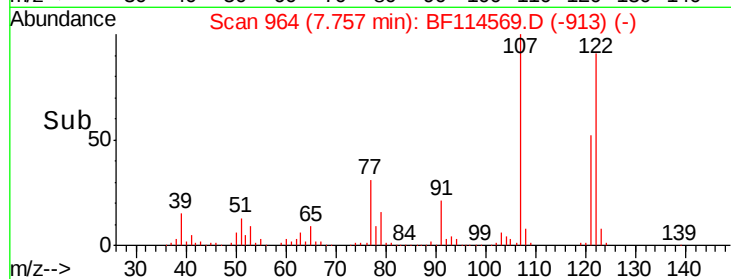
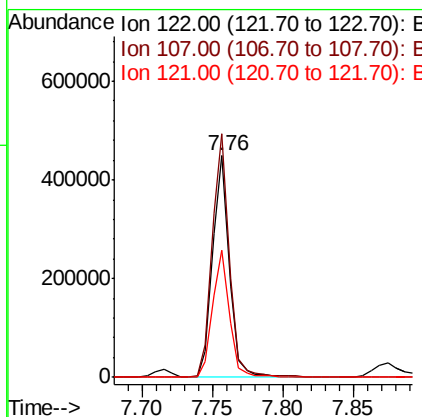
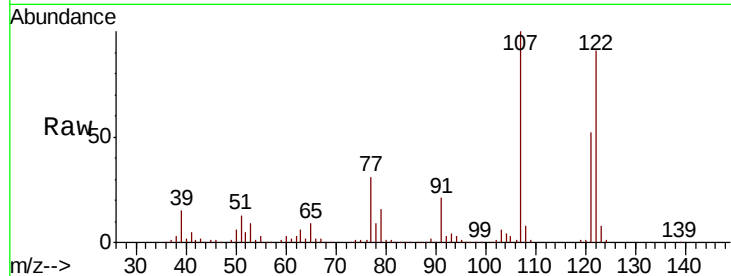
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	122	Resp:	370954
Ion Ratio	Lower	Upper	
122	100		
107	109.9	88.4	132.6
121	57.1	45.9	68.9

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#28

bis(2-Chloroethoxy)methane

Concen: 45.813 ng

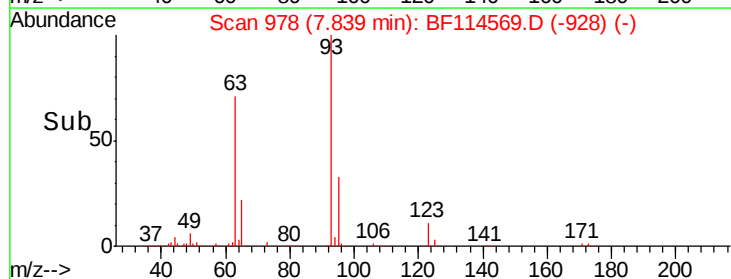
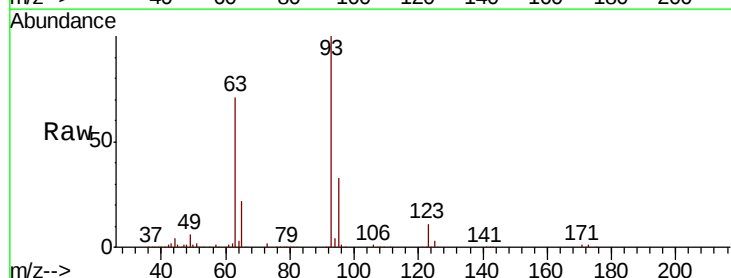
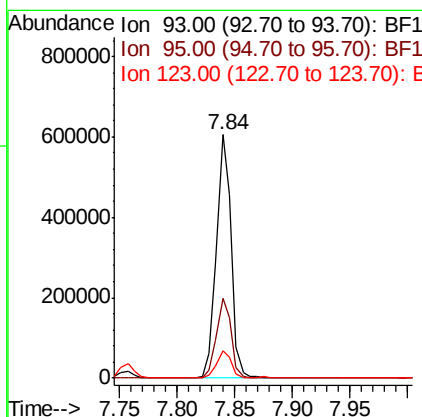
RT: 7.84 min Scan# 978

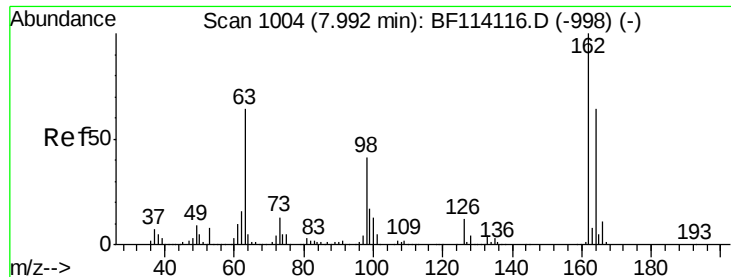
Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	93	Resp:	536910
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.8	40.2
123	11.0	9.5	14.3





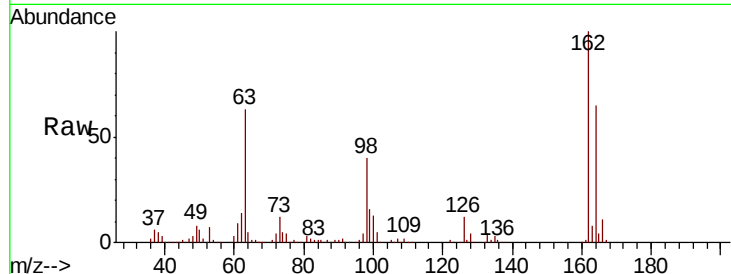
#29
2,4-Dichlorophenol
Concen: 49.225 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	370490		
164	64.5	43.6	83.6	
98	40.2	20.6	60.6	

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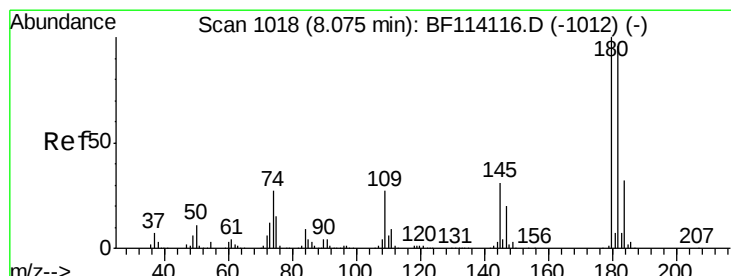
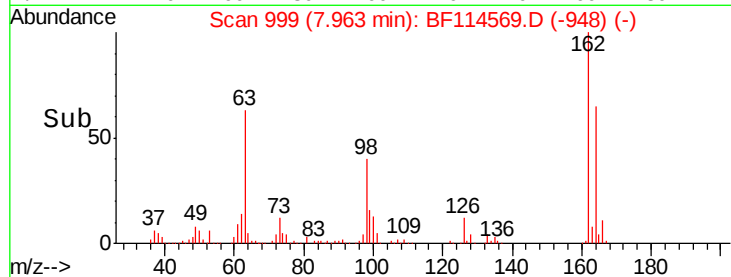
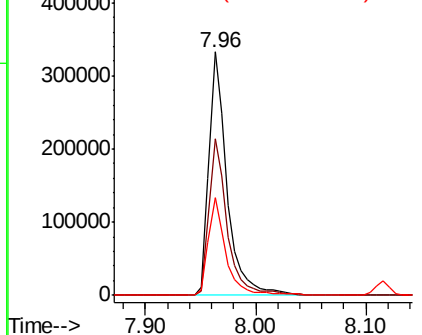


Abundance

Ion 162.00 (161.70 to 162.70): E

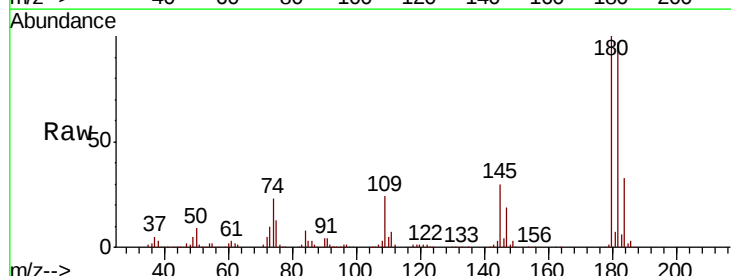
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 45.250 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	387277		
182	96.8	76.6	114.8	
145	30.2	25.1	37.7	

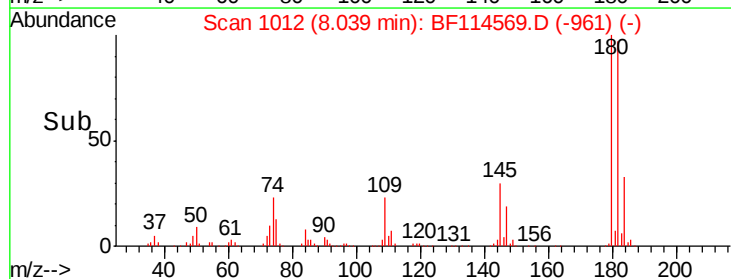
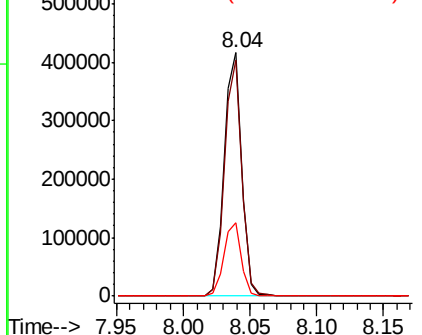


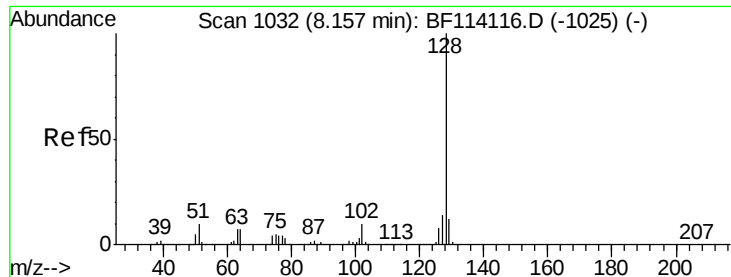
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





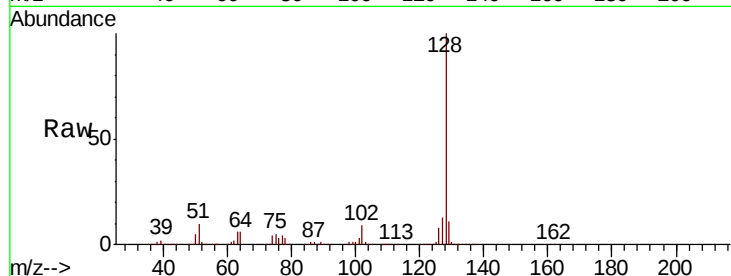
#31
Naphthalene
Concen: 48.351 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.5	11.3	16.9

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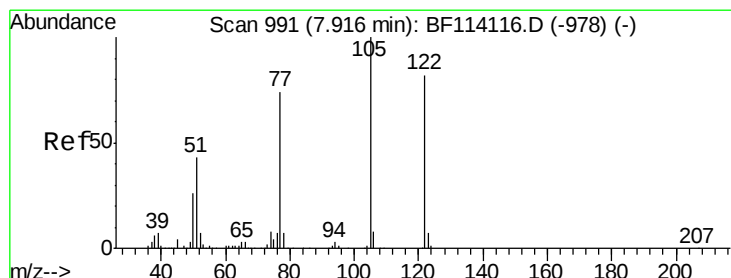
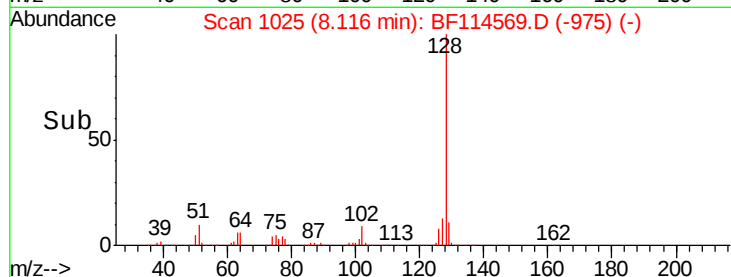
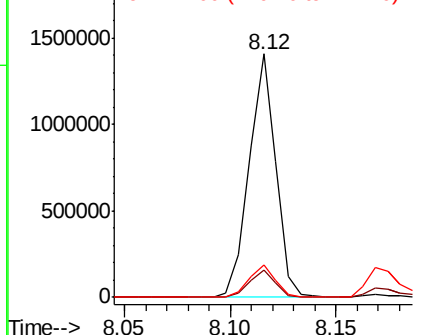


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 15.288 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.04 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

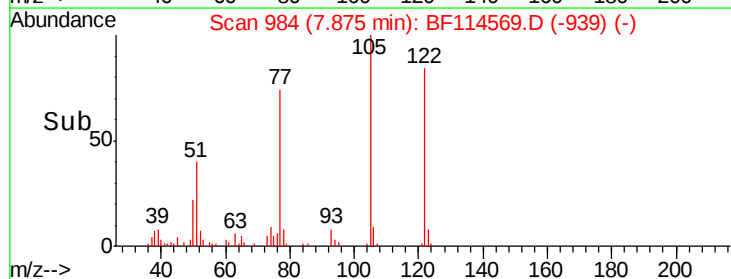
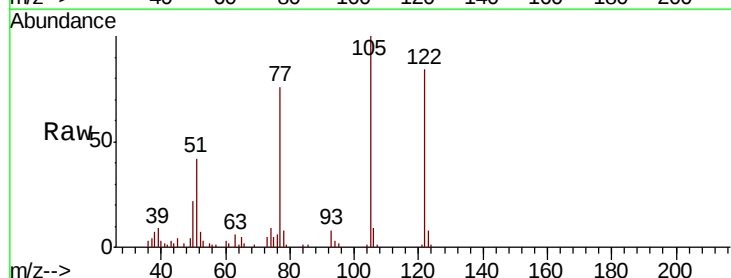
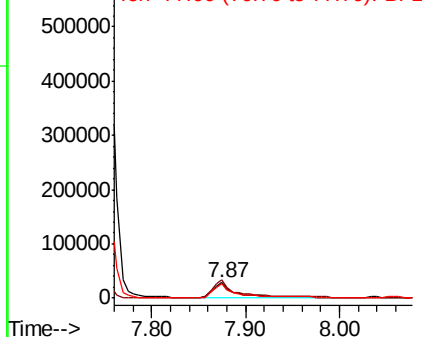
Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.5	99.9	139.9
77	90.8	69.4	109.4

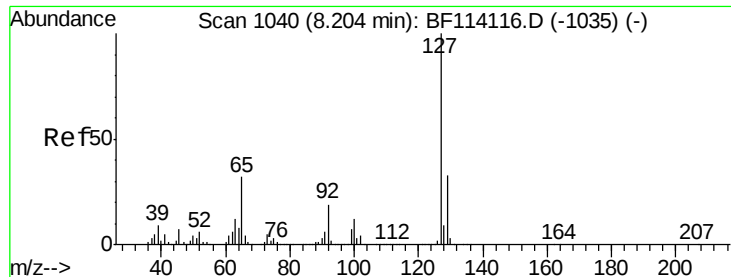
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





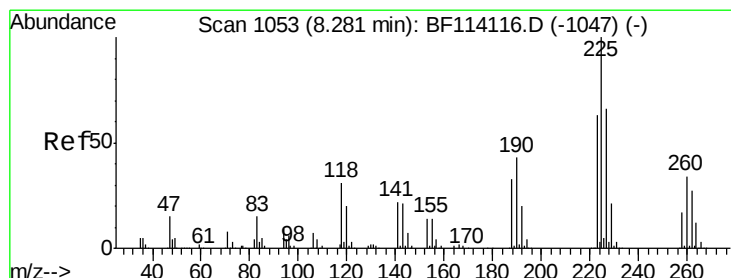
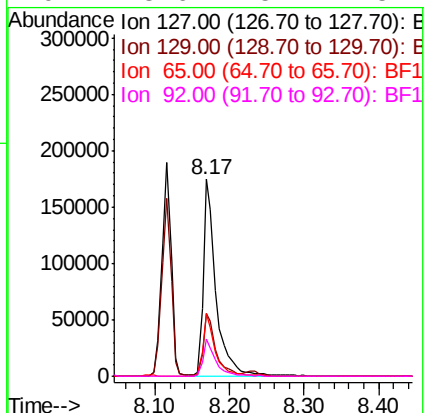
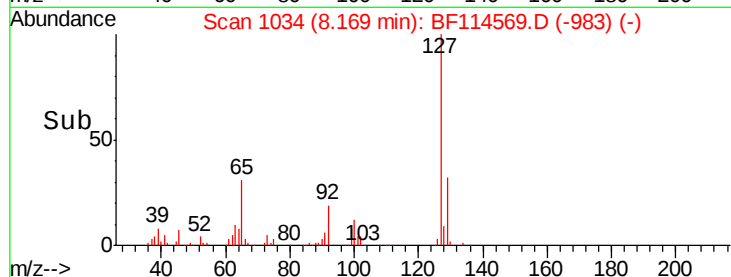
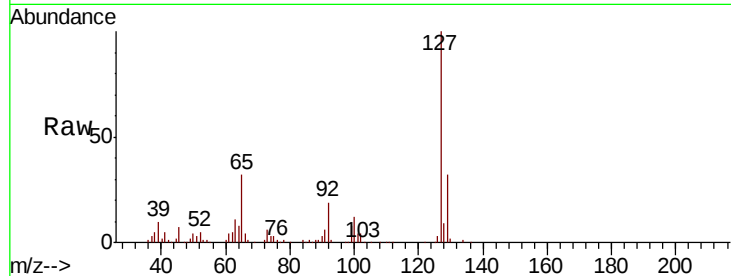
#33
4-Chloroaniline
Concen: 18.263 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	212472		
129	32.0	26.7	40.1	
65	32.0	25.4	38.0	
92	18.6	15.4	23.2	

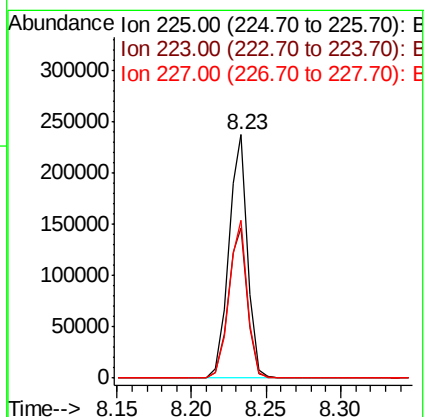
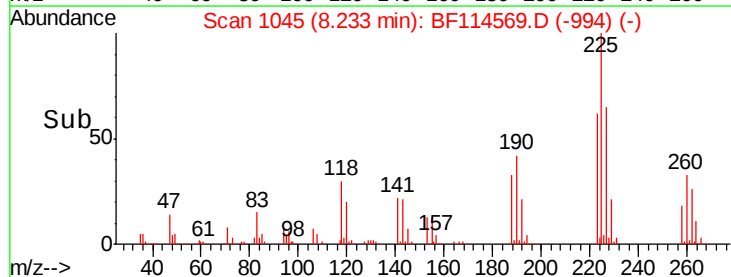
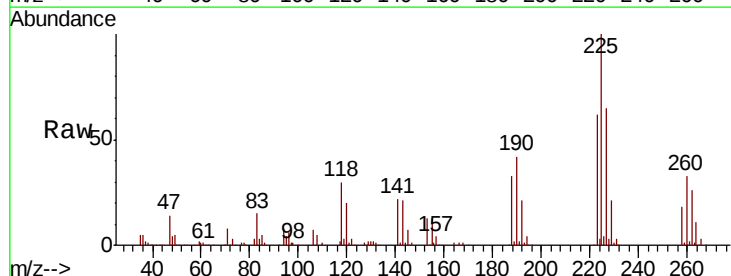
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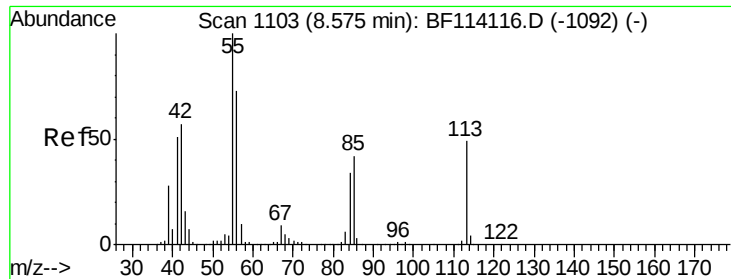
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#34
Hexachlorobutadiene
Concen: 43.309 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210904		
223	61.8	50.2	75.2	
227	64.7	52.6	79.0	





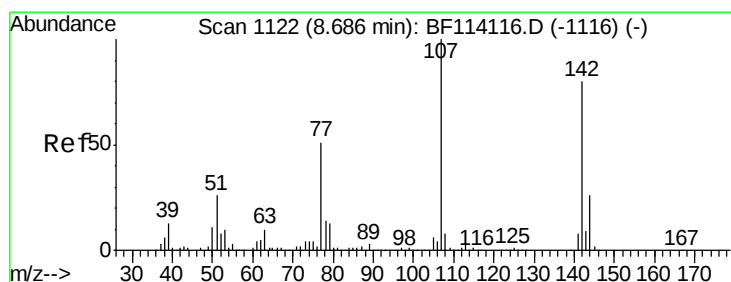
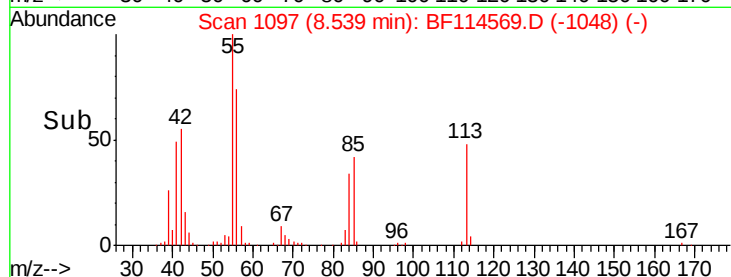
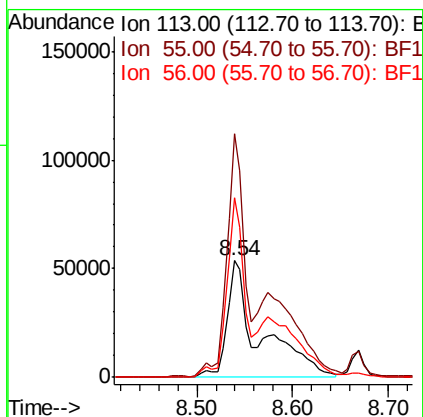
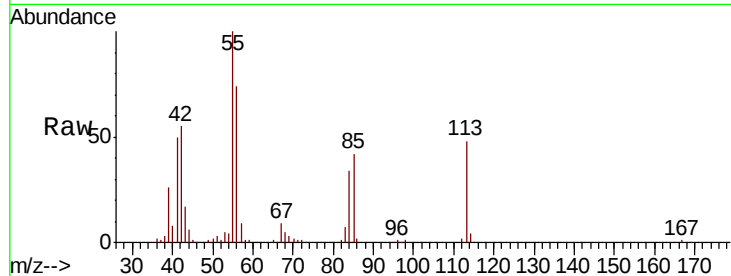
#35
Caprolactam
Concen: 52.333 ng/ml
RT: 8.54 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleID :
FEBH-05(33-33.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	208.8		183.5	223.5	
56	154.5		128.8	168.8	

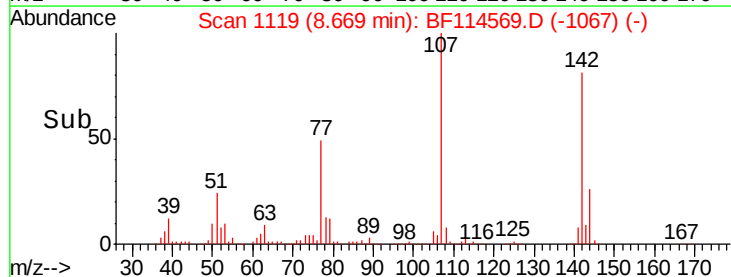
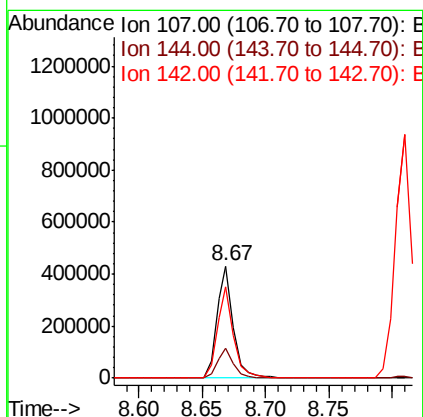
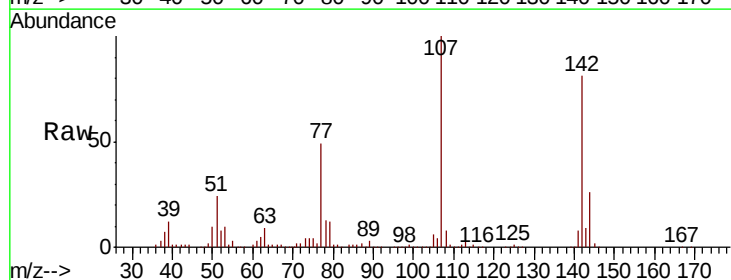
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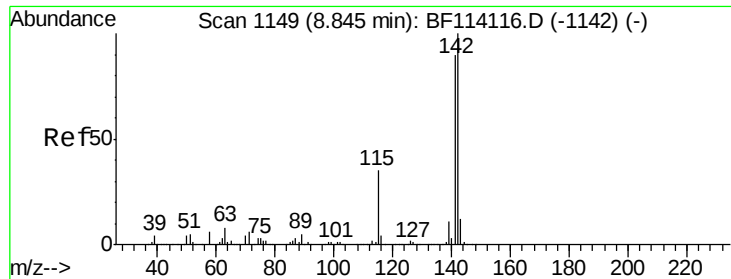
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#36
4-Chloro-3-methylphenol
Concen: 51.963 ng/ml
RT: 8.67 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	26.5		20.4	30.6	
142	81.3		64.2	96.4	





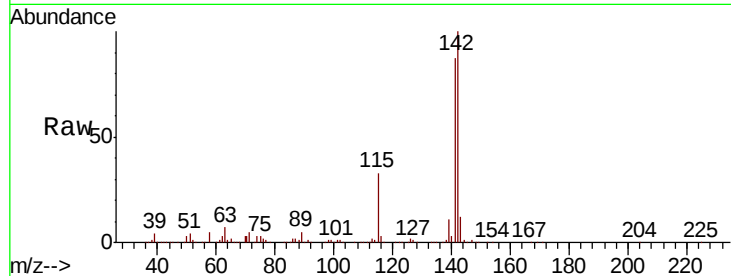
#37
2-Methylnaphthalene
Concen: 51.042 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	72.1	108.1
115	32.6	28.0	42.0

Manual Integrations
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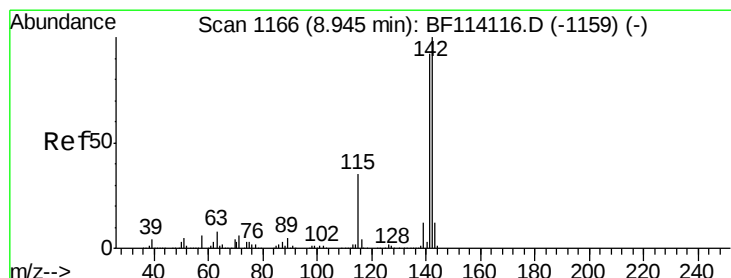
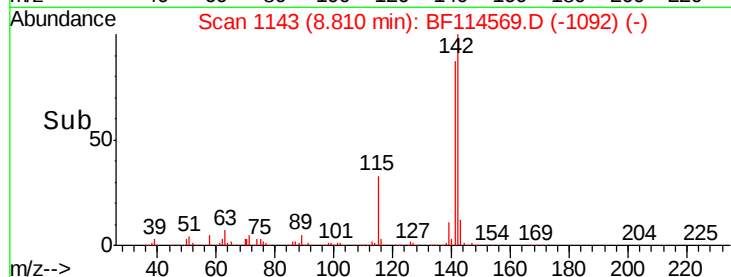
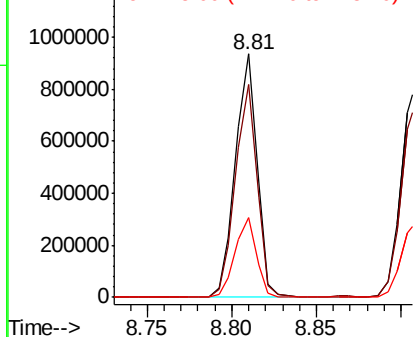


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 51.097 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

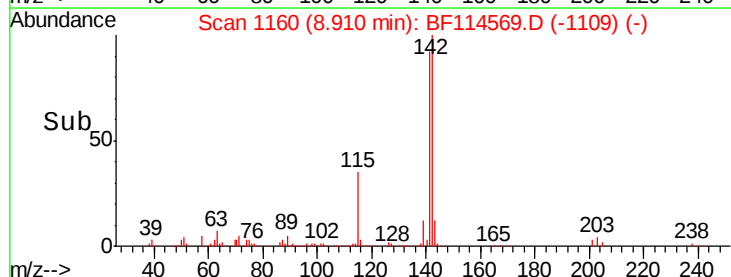
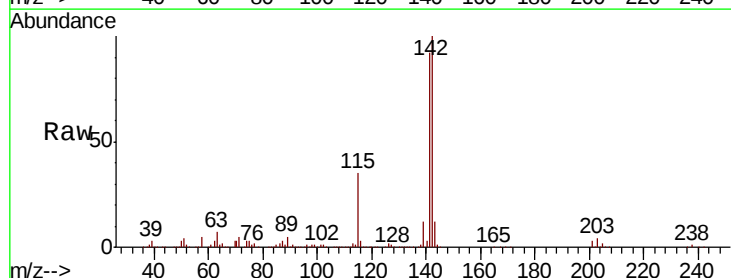
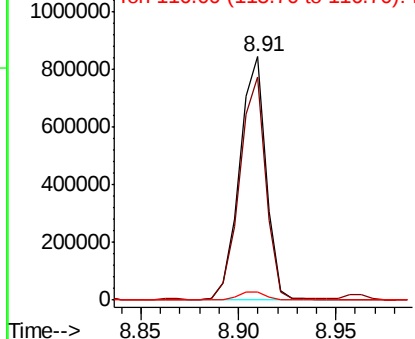
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.0
116	3.4	3.1	4.7

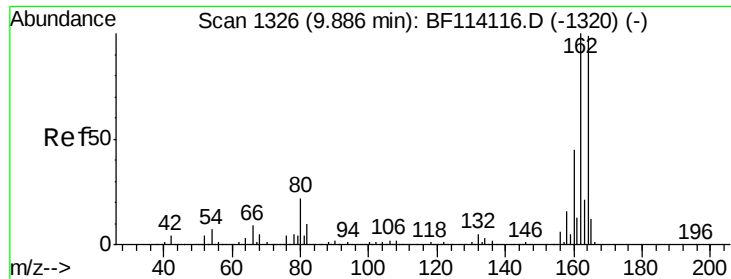
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





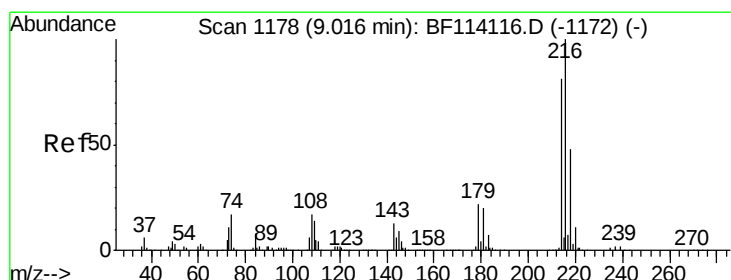
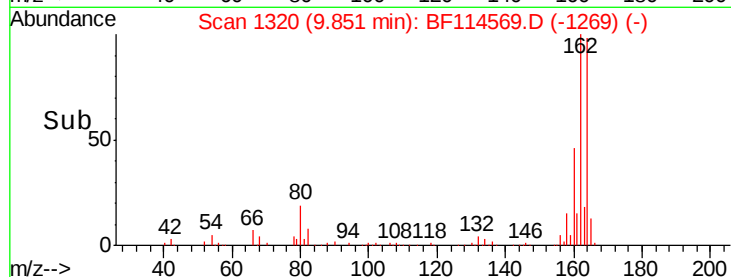
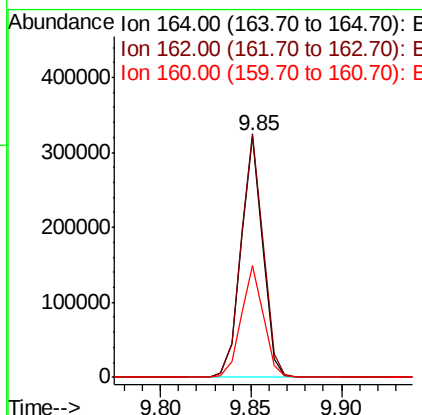
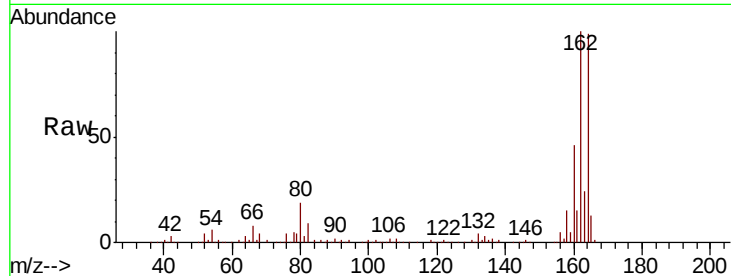
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	80.6	120.8	
160	46.1	36.5	54.7	

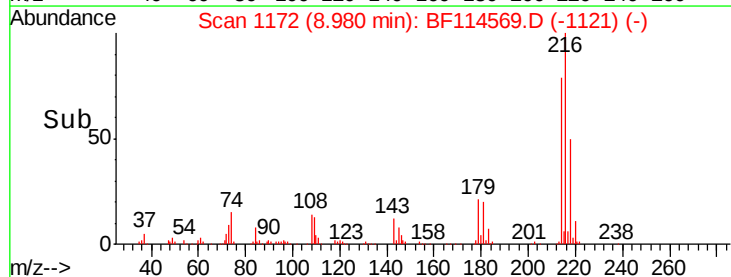
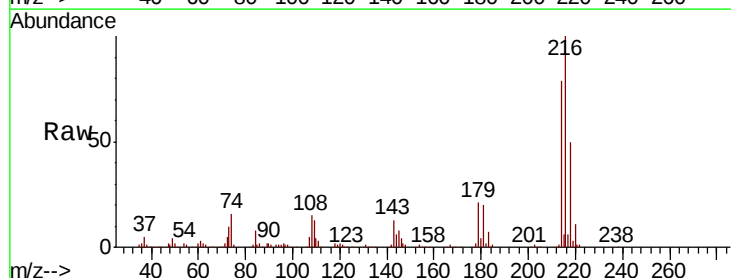
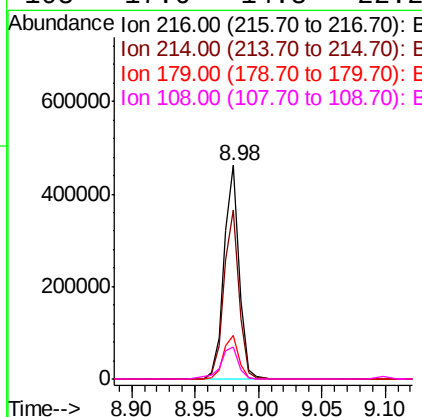
Manual Integrations
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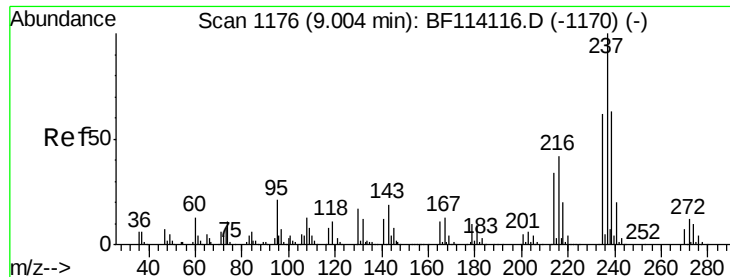
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.400 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	63.9	95.9	
179	21.0	17.0	25.6	
108	17.6	14.8	22.2	





#41

Hexachlorocyclopentadiene

Concen: 33.557 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

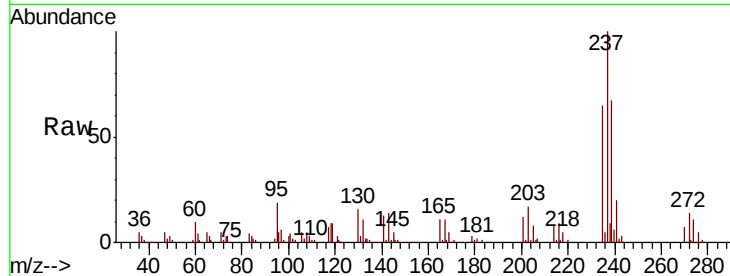
ClientSampleId :

FEBH-05(33-33.5)MSD

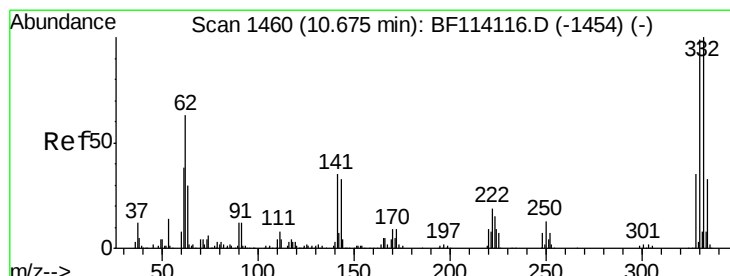
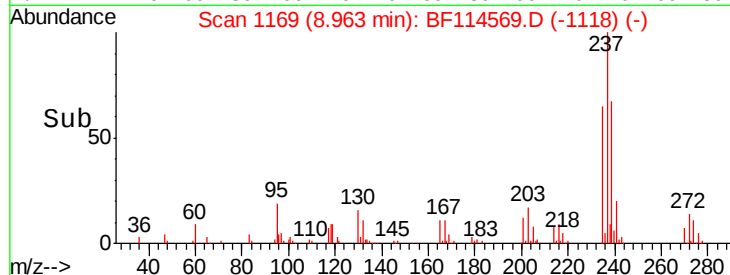
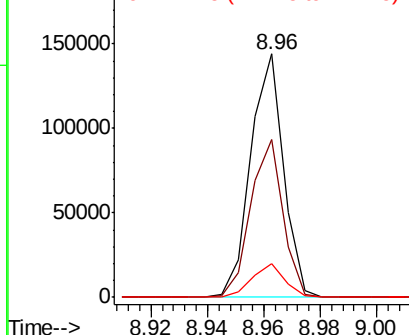
Tot Ion:	237	Resp:	116201
Ion Ratio	Lower	Upper	
237	100		
235	64.9	42.0	82.0
272	13.6	0.0	32.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 129.006 ng

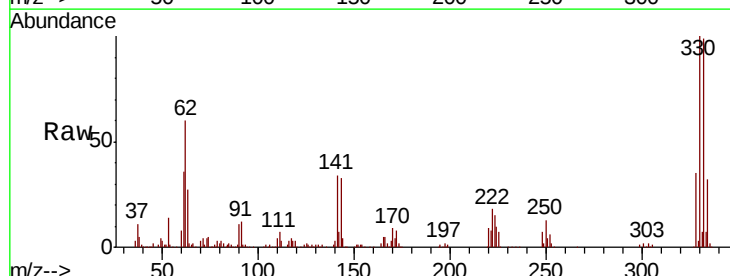
RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

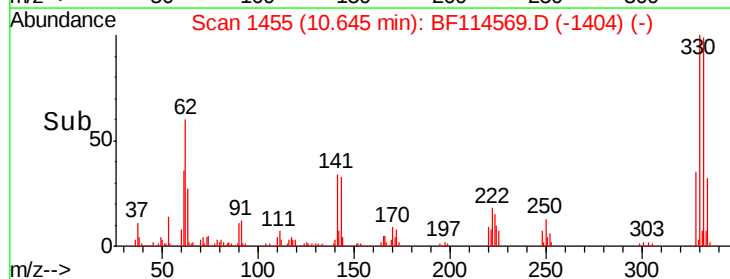
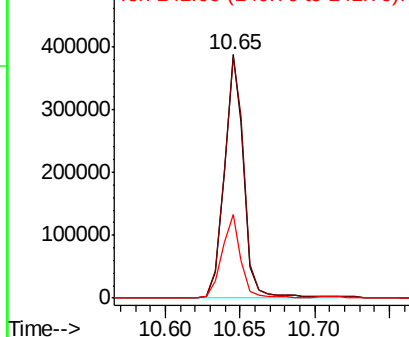
Lab File: BF114569.D

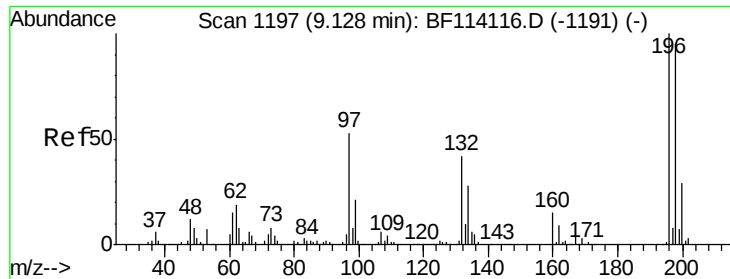
Acq: 24 May 2019 14:49

Tgt Ion:	330	Resp:	355357
Ion Ratio	Lower	Upper	
330	100		
332	102.9	81.4	122.2
141	33.1	26.6	40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





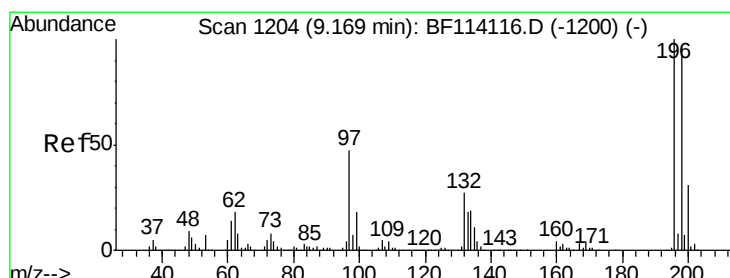
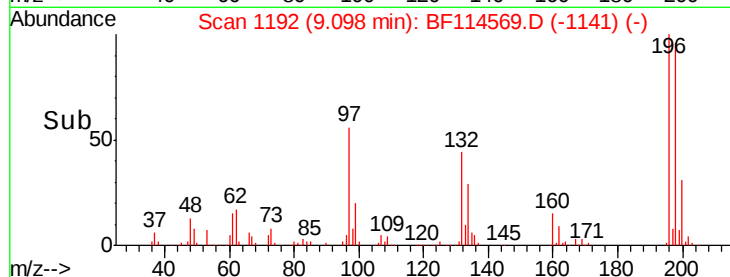
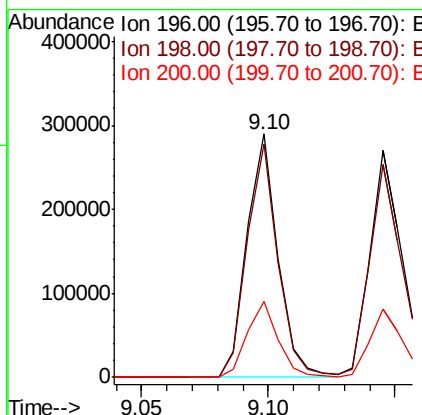
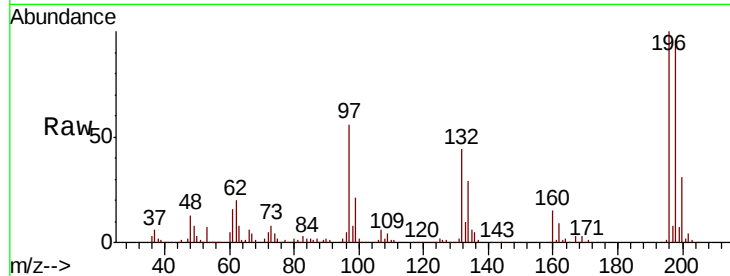
#43
 2,4,6-Trichlorophenol
 Concen: 44.756 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	248466		
198	95.7	75.9	113.9	
200	31.2	23.5	35.3	

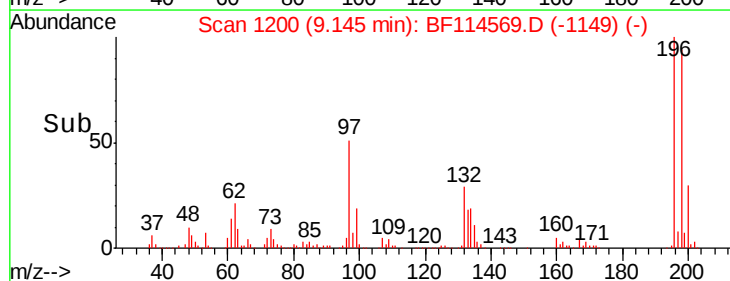
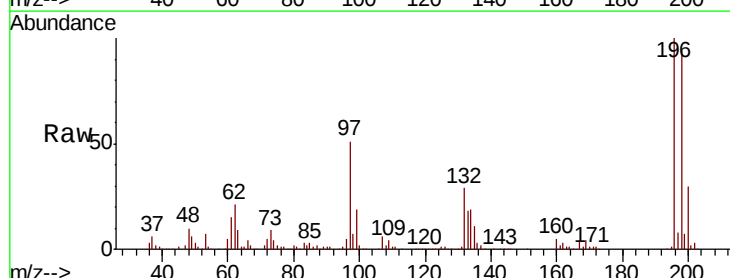
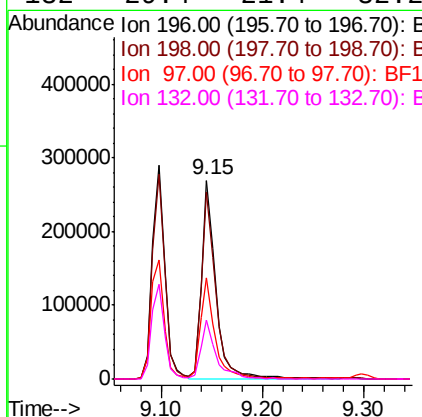
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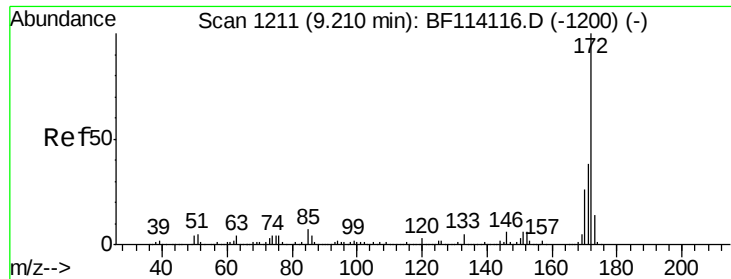
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#44
 2,4,5-Trichlorophenol
 Concen: 46.079 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	262343		
198	94.0	77.7	116.5	
97	50.8	38.2	57.2	
132	29.4	21.4	32.2	





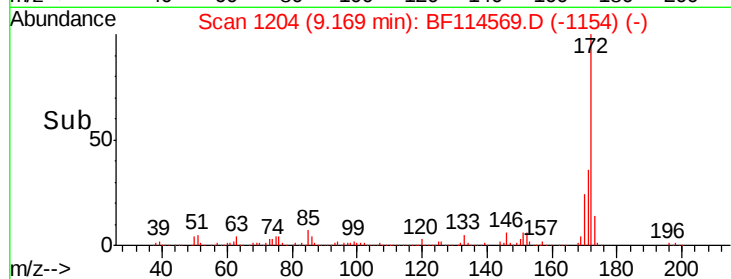
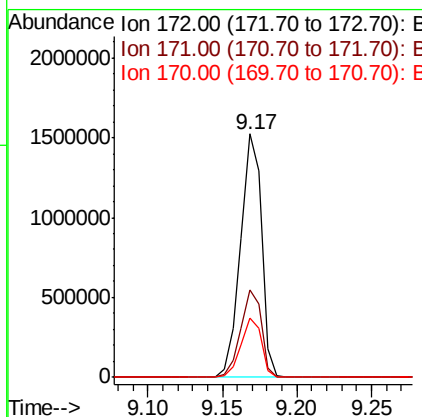
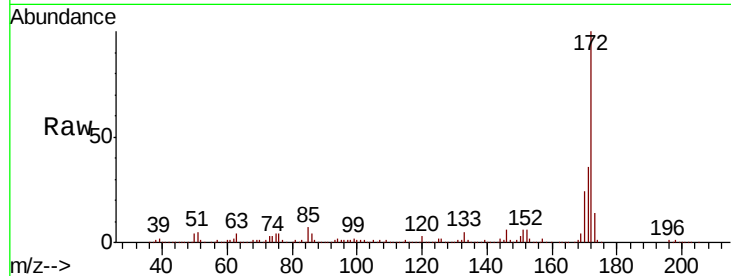
#45
 2-Fluorobiphenyl
 Concen: 85.244 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.7	46.1
170	24.2	20.5	30.7

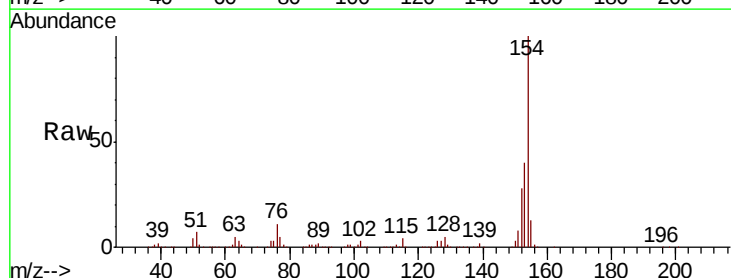
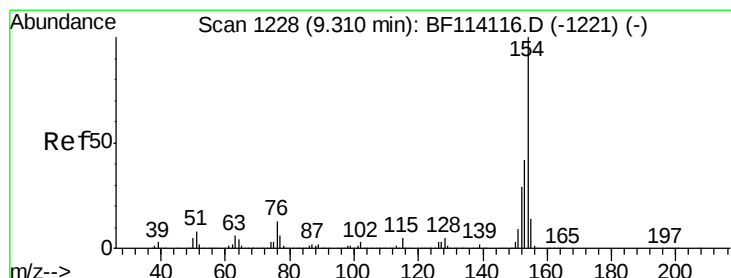
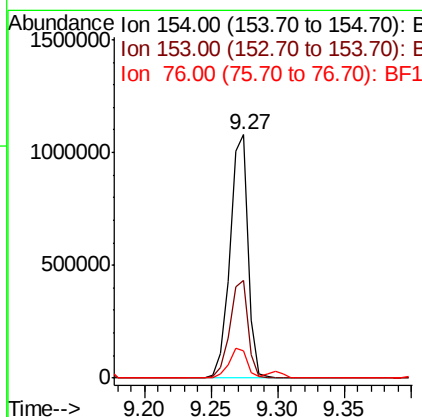
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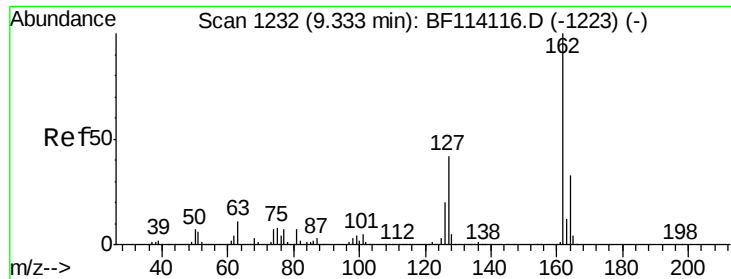
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#46
 1,1'-Biphenyl
 Concen: 47.983 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.9	61.9
76	11.4	0.0	32.8





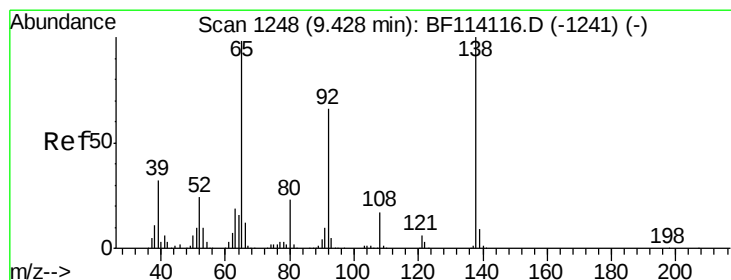
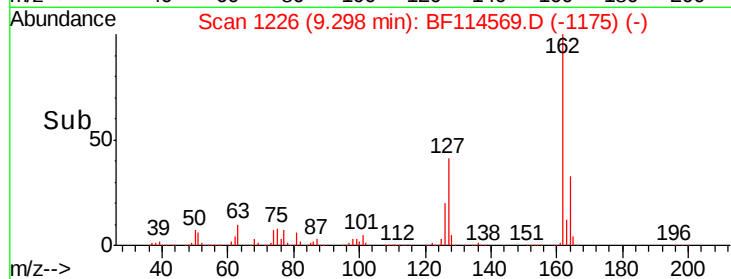
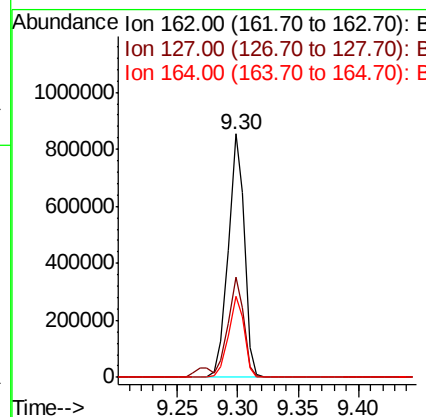
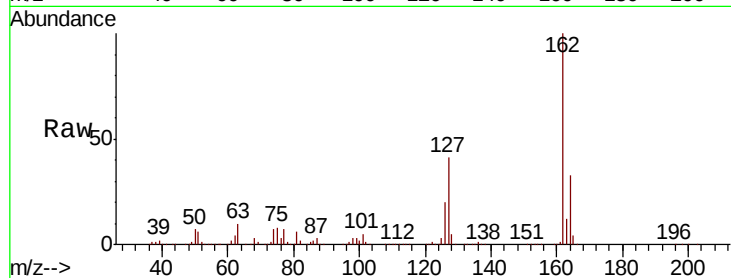
#47
 2-Chloronaphthalene
 Concen: 45.332 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	41.1	34.0	51.0		
164	33.3	26.7	40.1		

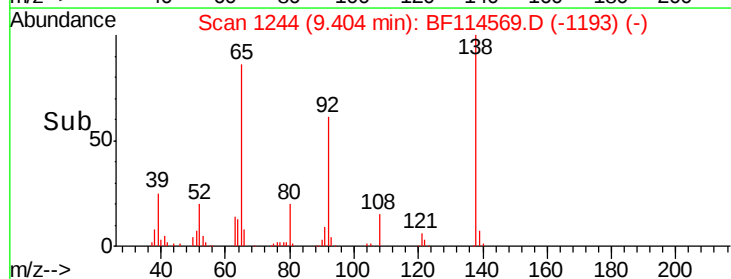
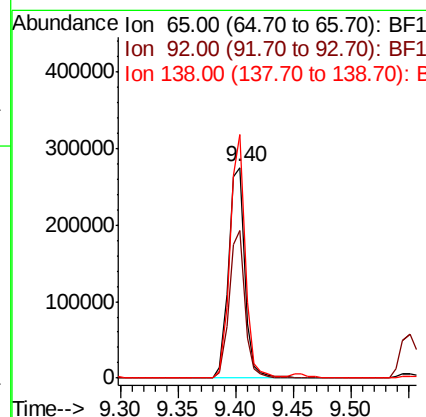
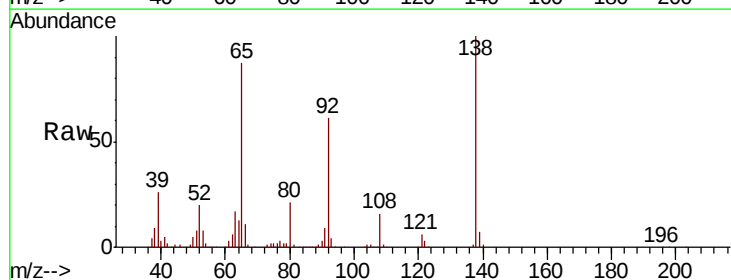
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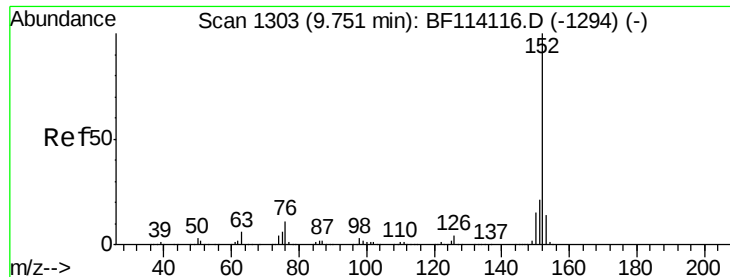
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#48
 2-Nitroaniline
 Concen: 44.267 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	70.0	53.9	80.9		
138	115.4	81.4	122.0		





#49

Acenaphthylene

Concen: 47.946 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

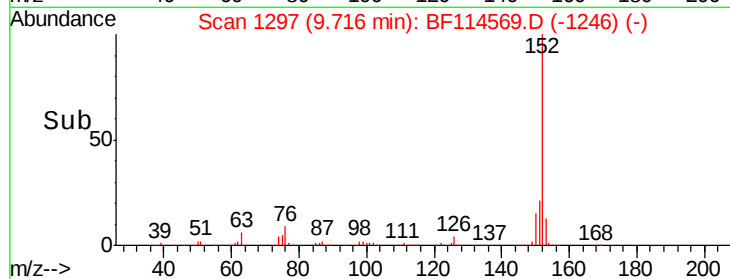
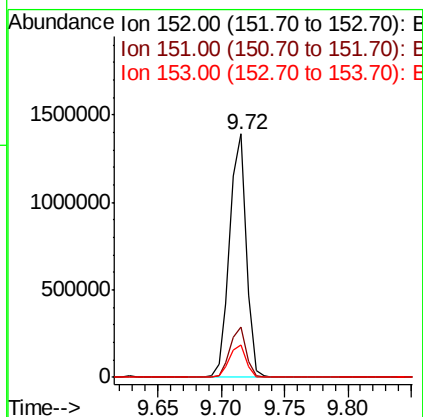
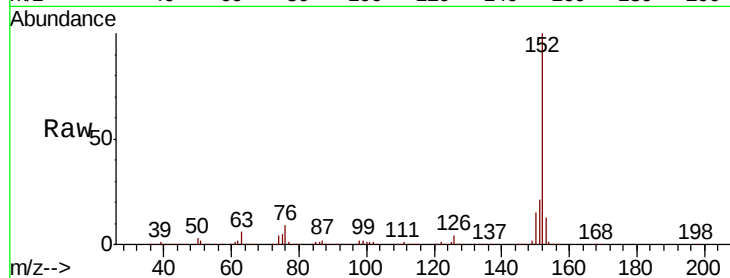
ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:	152	Resp:	1263264
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.4	11.4	17.2

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#50

Dimethylphthalate

Concen: 58.104 ng

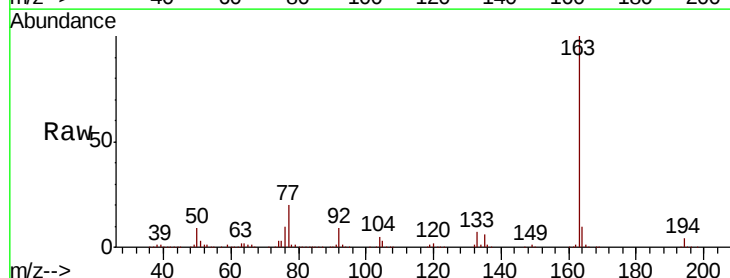
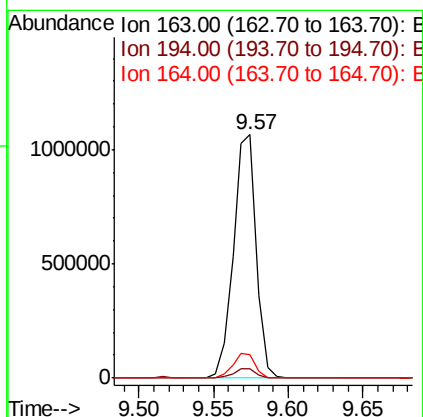
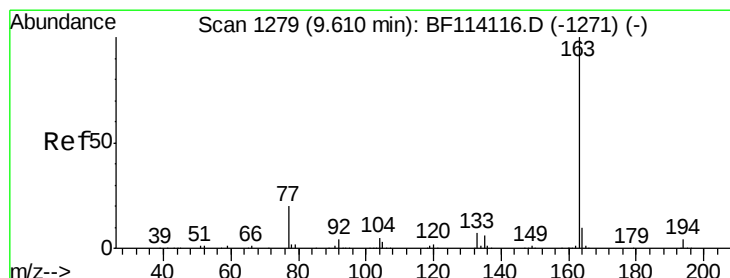
RT: 9.57 min Scan# 1273

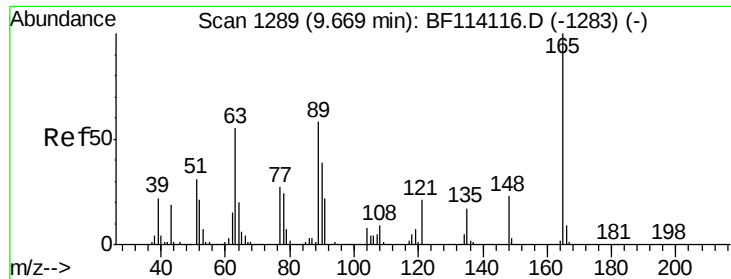
Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:	163	Resp:	1136490
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.6	8.2	12.2





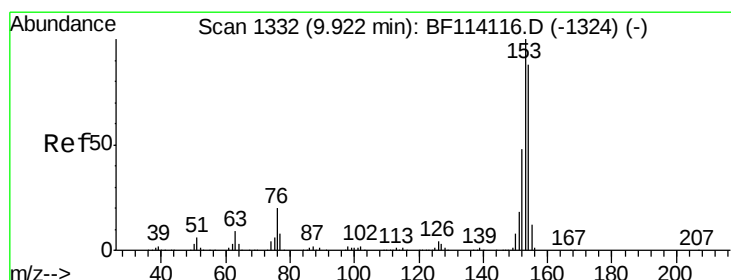
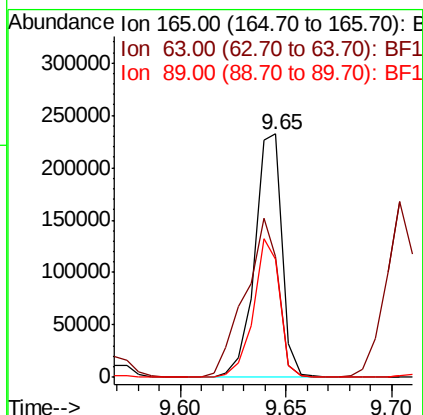
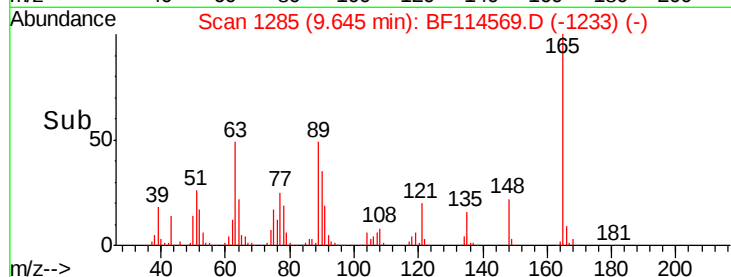
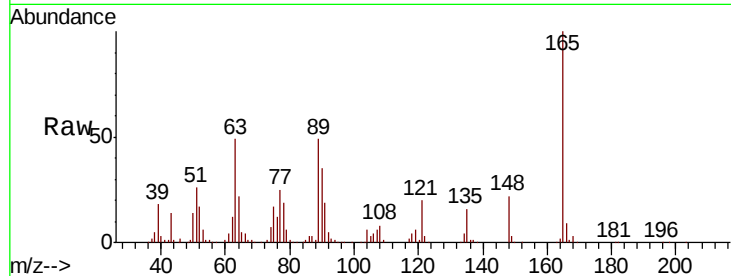
#51
2,6-Dinitrotoluene
Concen: 48.262 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	209376		
63	49.4		50.2	75.4#
89	48.6		46.6	69.8

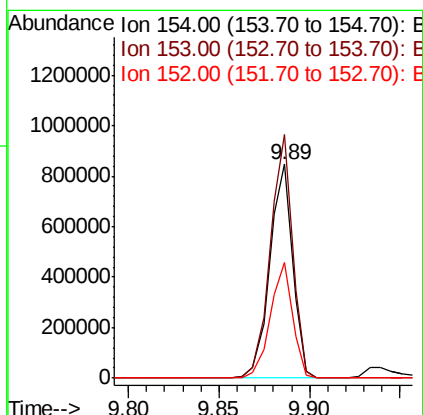
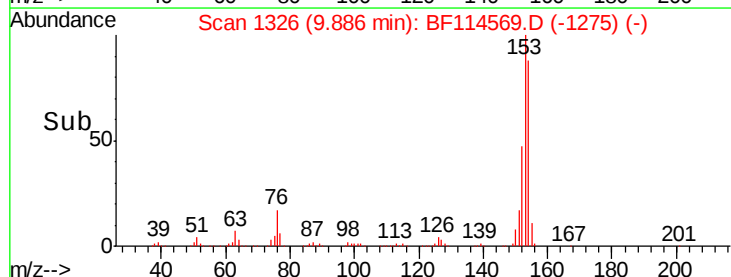
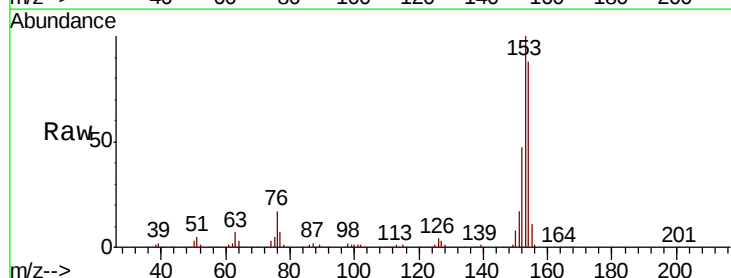
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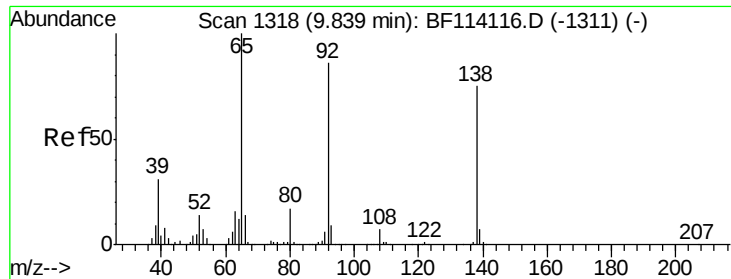
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#52
Acenaphthene
Concen: 45.748 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	739655		
153	114.0		90.5	135.7
152	54.0		43.4	65.2





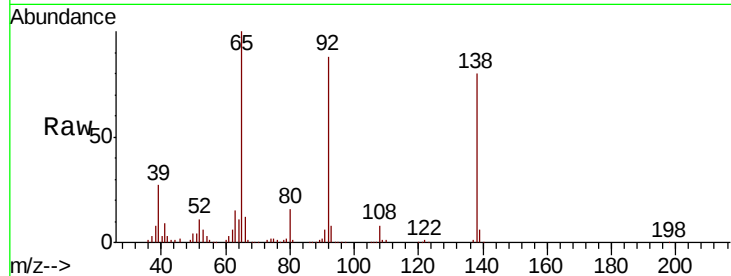
#53
3-Nitroaniline
Concen: 27.870 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

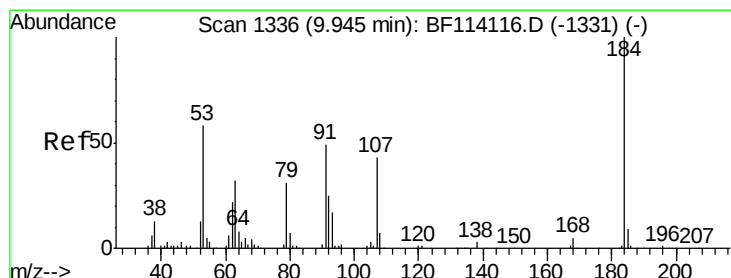
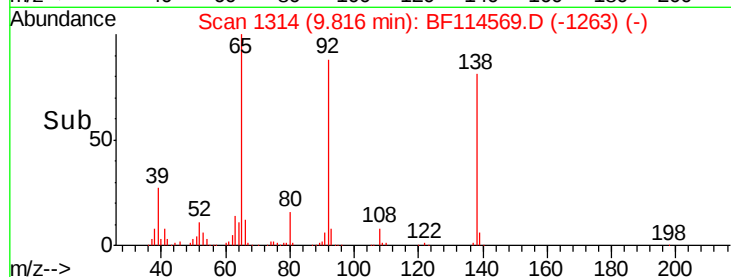
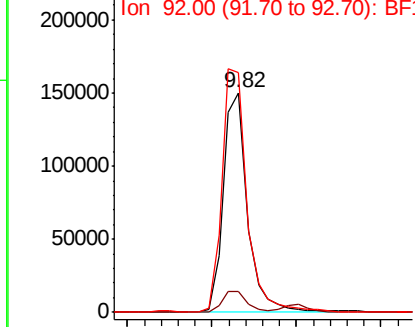
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.8	11.6
92	109.1	91.2	136.8

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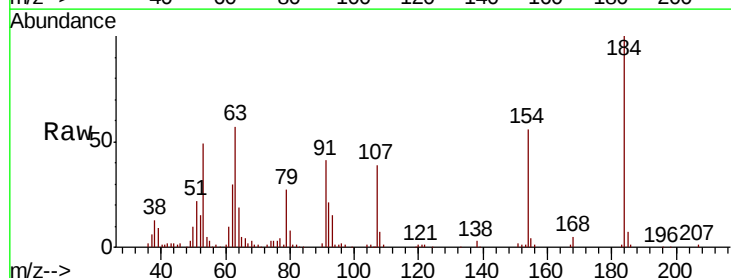


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

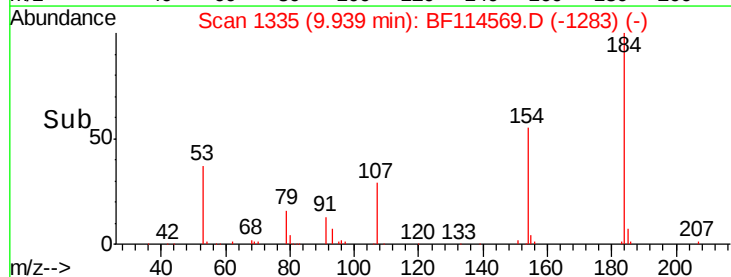
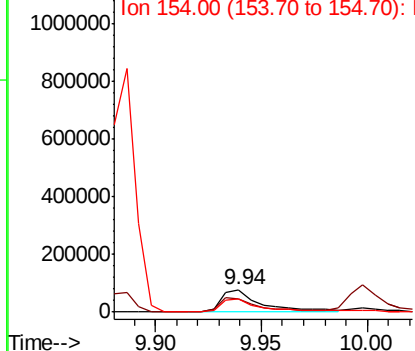


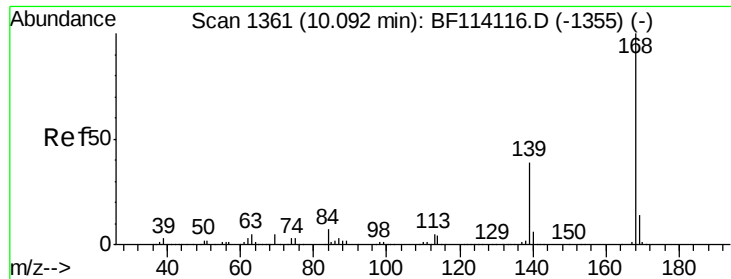
#54
2,4-Dinitrophenol
Concen: 50.576 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.2	55.6	83.4
154	55.6	46.0	69.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





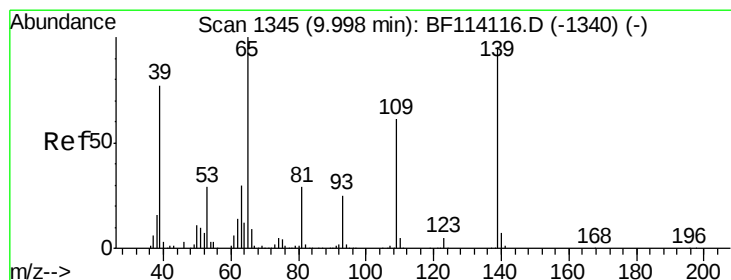
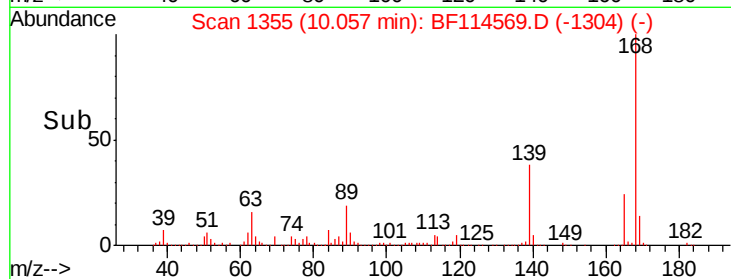
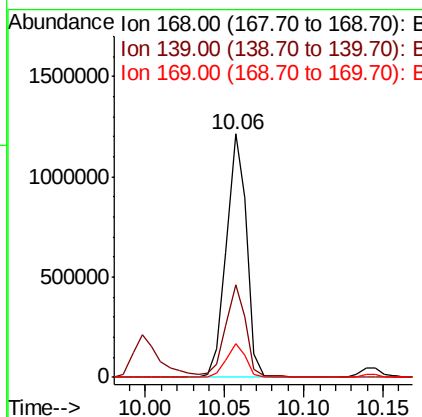
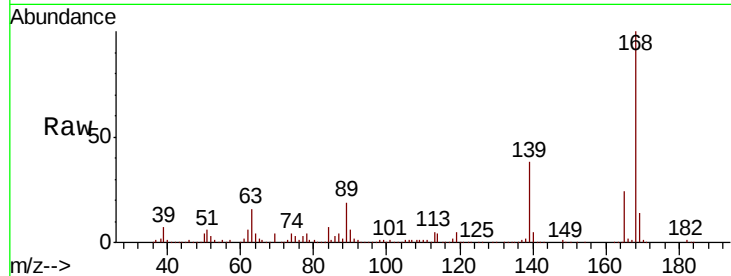
#55
Dibenzofuran
Concen: 45.115 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.1	46.7
169	14.0	11.4	17.0

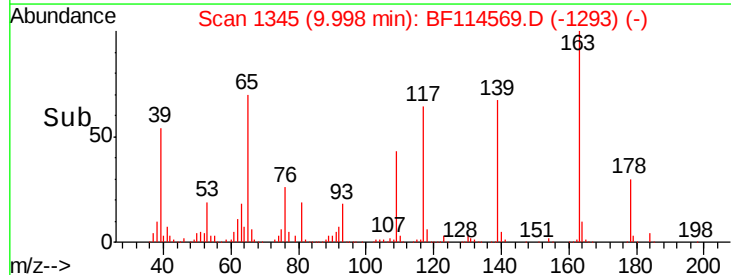
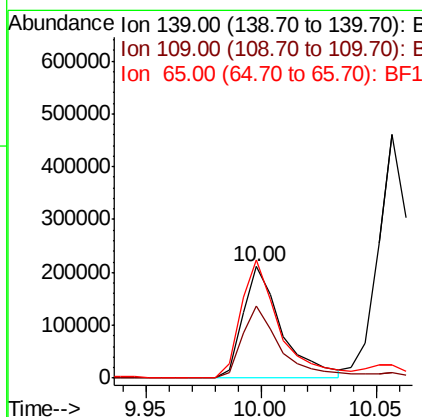
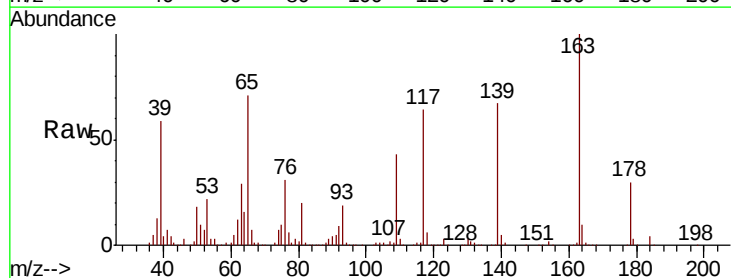
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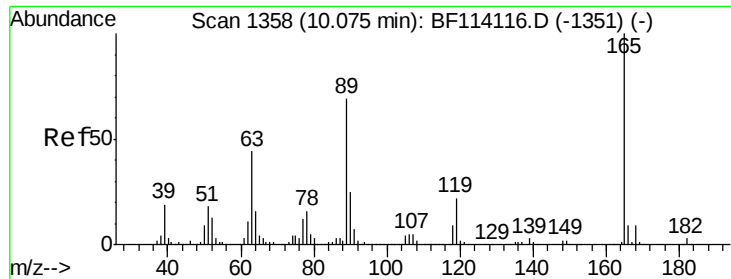
mohammad
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#56
4-Nitrophenol
Concen: 64.721 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.3	43.9	83.9
65	106.5	85.7	125.7





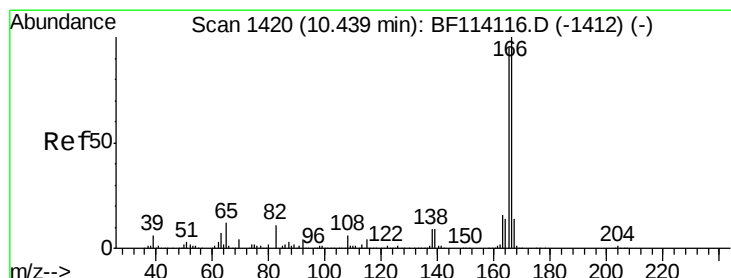
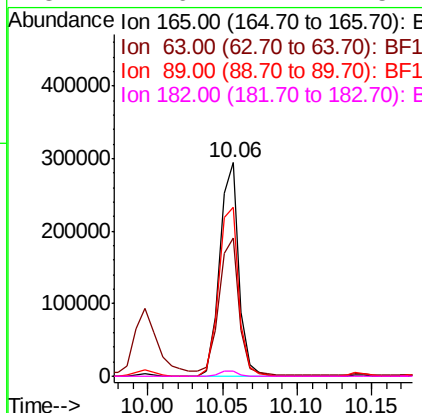
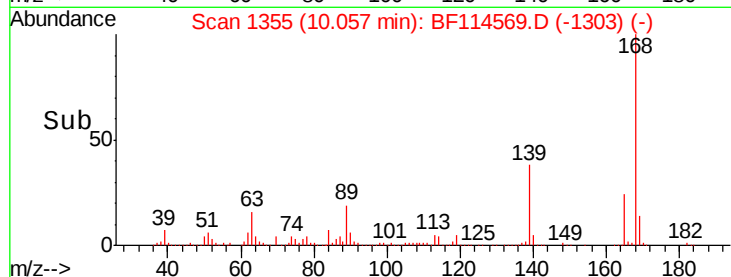
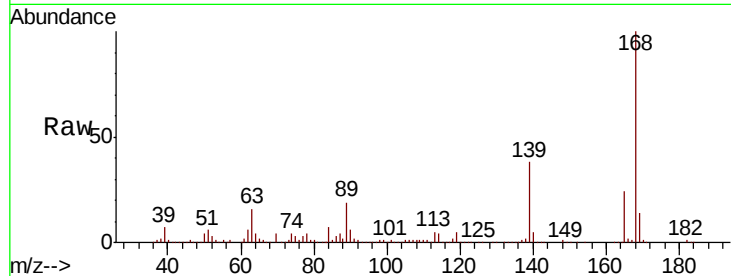
#57
2,4-Dinitrotoluene
Concen: 45.061 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	64.5	35.5	53.3#
89	78.9	55.2	82.8
182	2.6	2.2	3.2

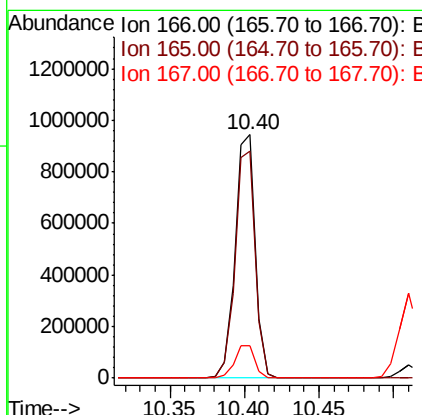
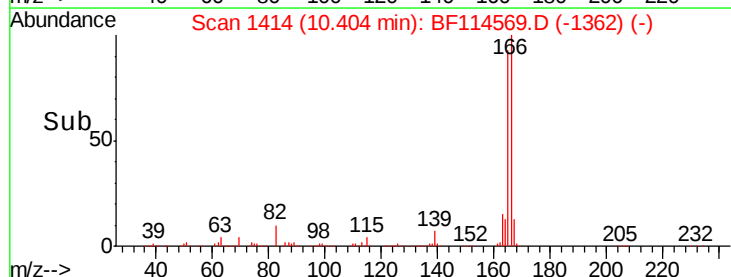
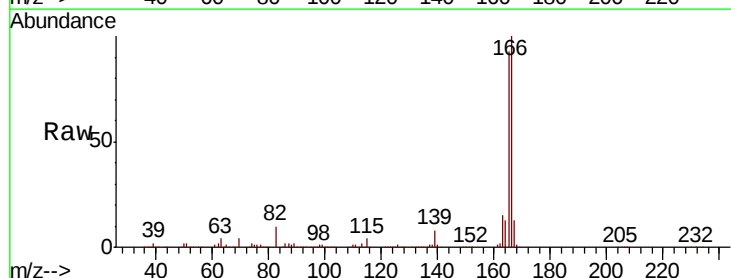
Manual Integrations
APPROVED

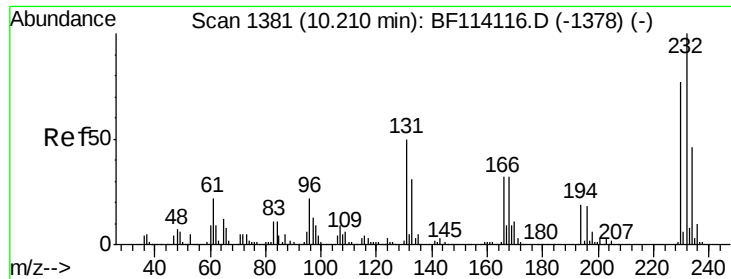
mohammad
5/27/2019 3:48:03 AM



#58
Fluorene
Concen: 48.827 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	93.2	76.1	114.1
167	13.3	11.1	16.7





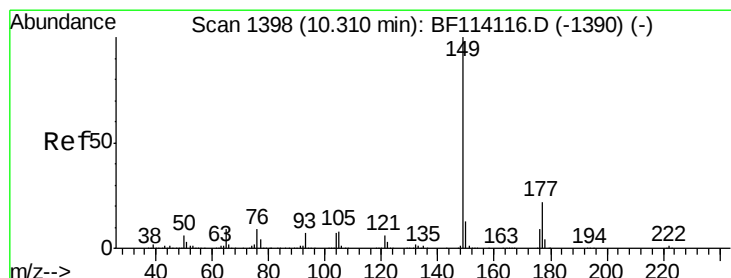
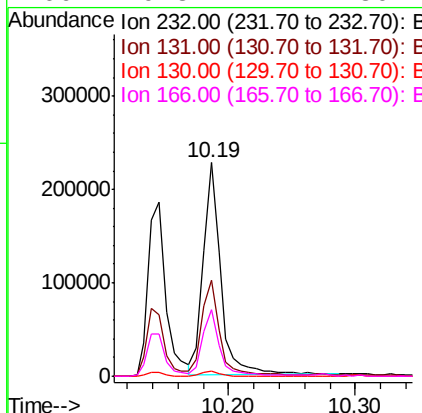
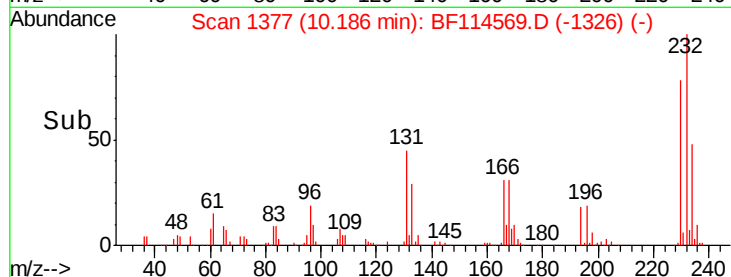
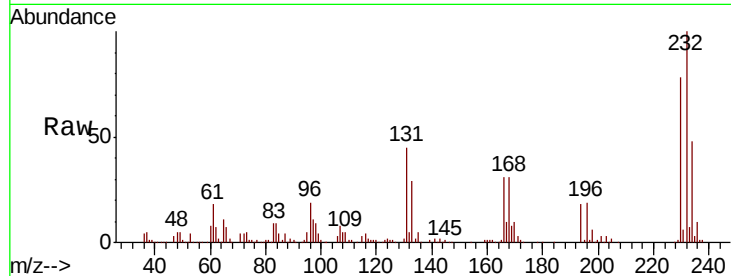
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.051 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	221312		
131	46.0	35.6	53.4	
130	2.3	1.6	2.4	
166	29.3	24.1	36.1	

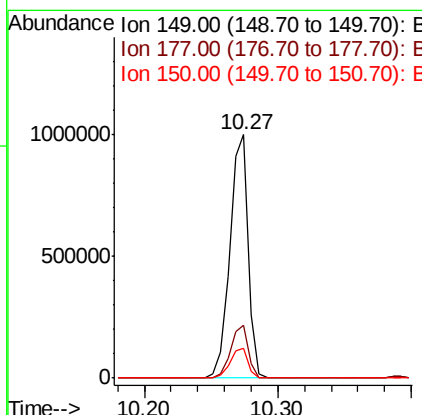
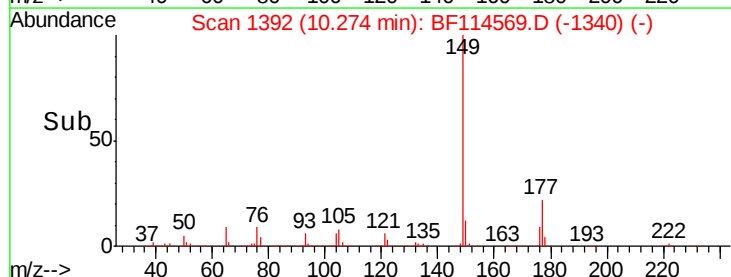
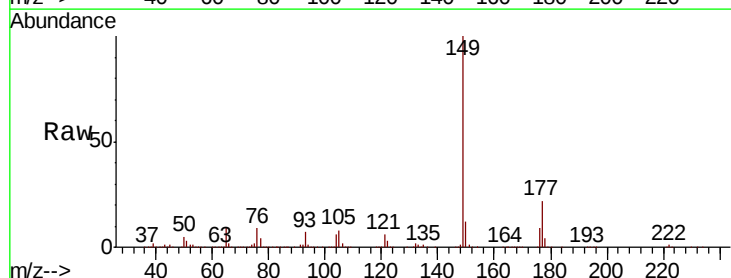
Manual Integrations
 APPROVED

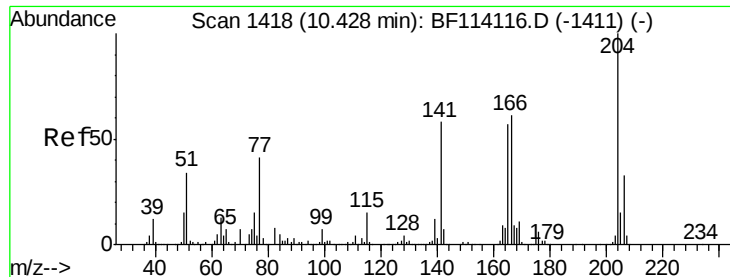
mohammad
 5/27/2019 3:48:03 AM



#60
 Diethylphthalate
 Concen: 48.589 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	965639		
177	21.8	17.8	26.6	
150	12.5	10.2	15.2	





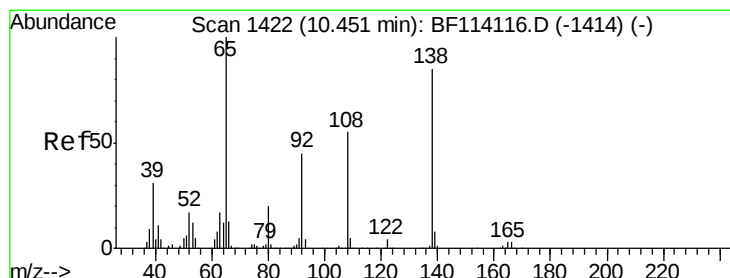
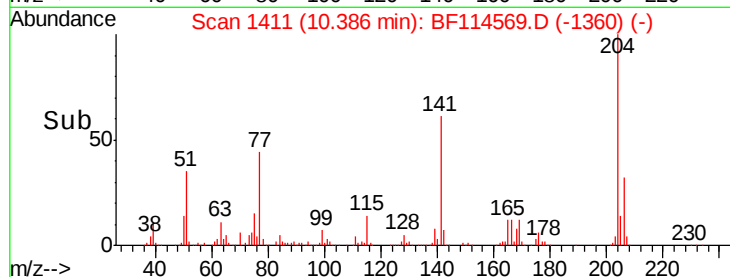
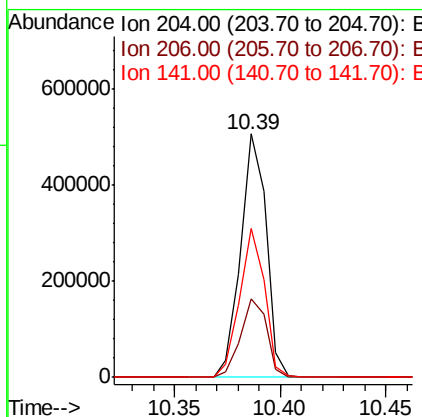
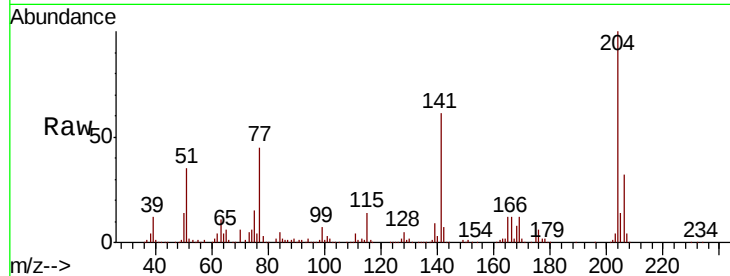
#61
4-Chlorophenyl-phenylether
Concen: 47.164 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.6	39.8
141	61.4	46.4	69.6

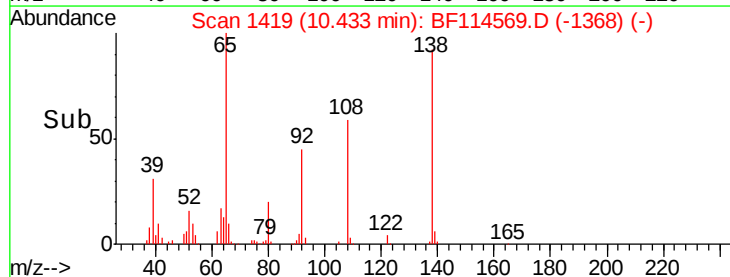
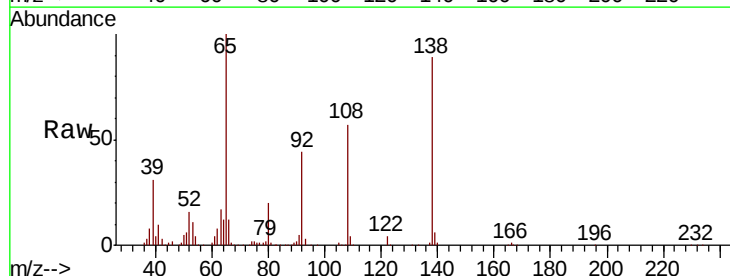
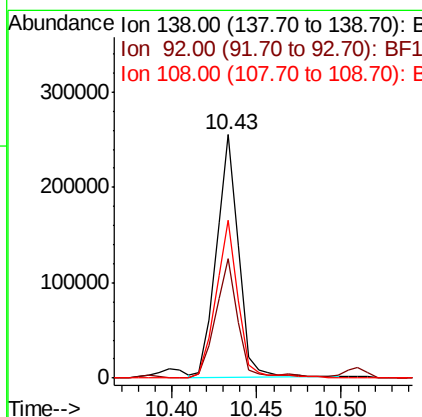
Manual Integrations
APPROVED

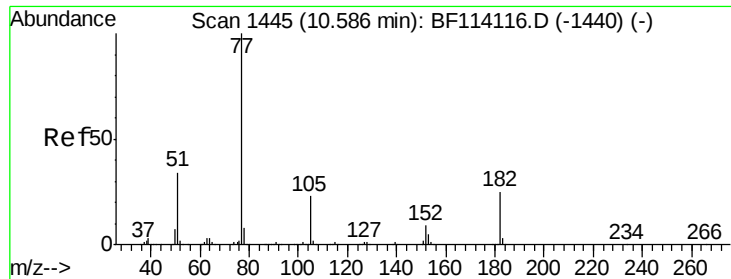
mohammad
5/27/2019 3:48:03 AM



#62
4-Nitroaniline
Concen: 41.326 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.3	33.0	73.0
108	64.7	44.9	84.9





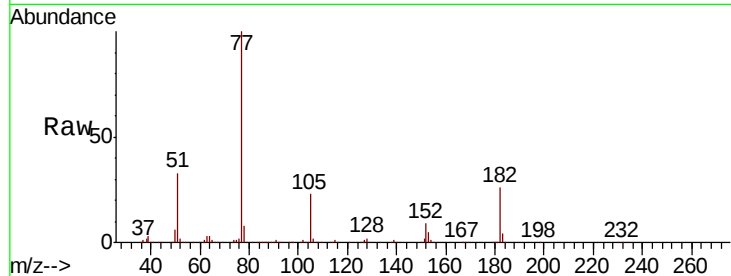
#63
Azobenzene
Concen: 46.582 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

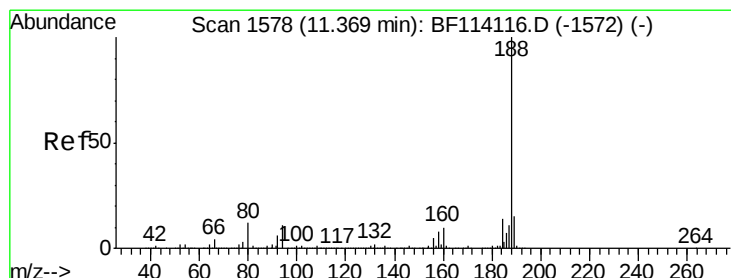
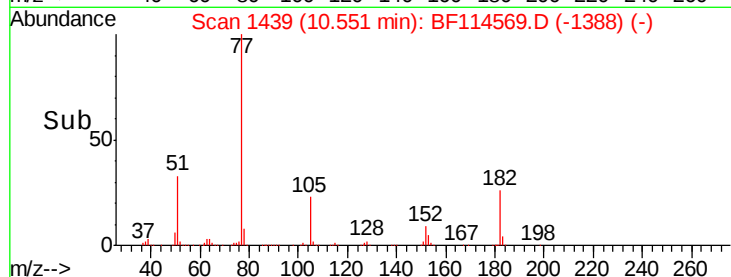
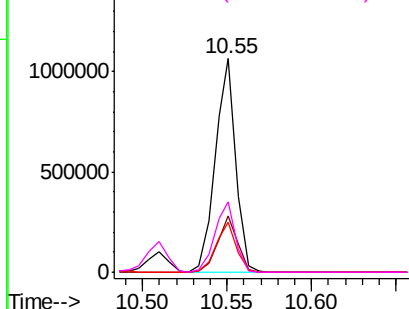
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		896078		
182	26.1	4.7	44.7		
105	23.1	2.9	42.9		
51	33.1	14.6	54.6		

Manual Integrations
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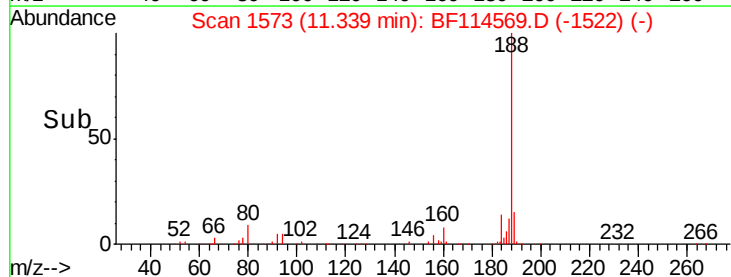
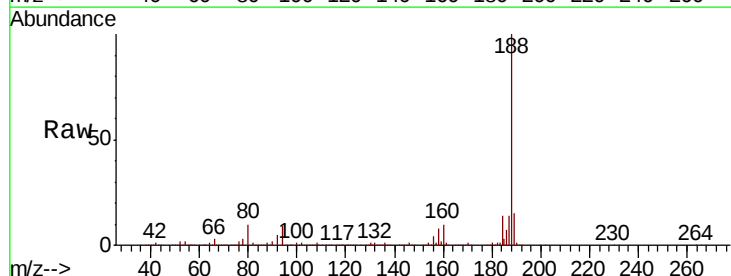
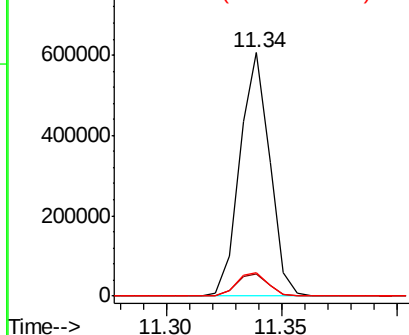
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

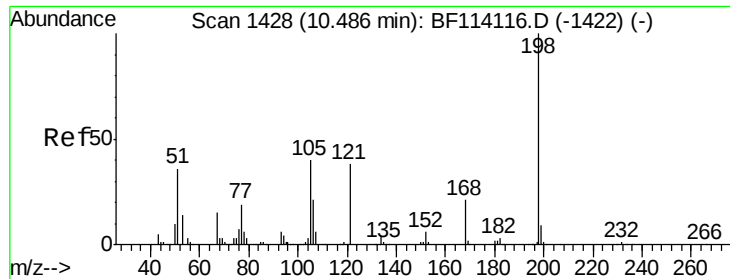


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		547003		
94	9.1	8.4	12.6		
80	9.9	9.2	13.8		

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





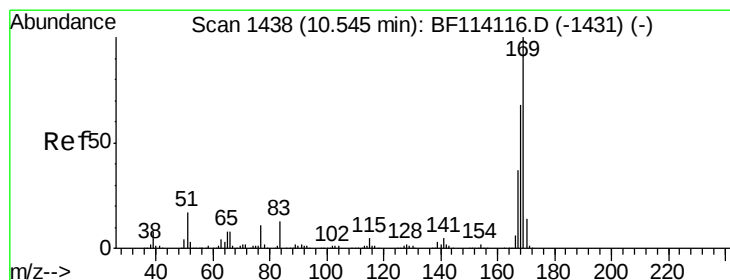
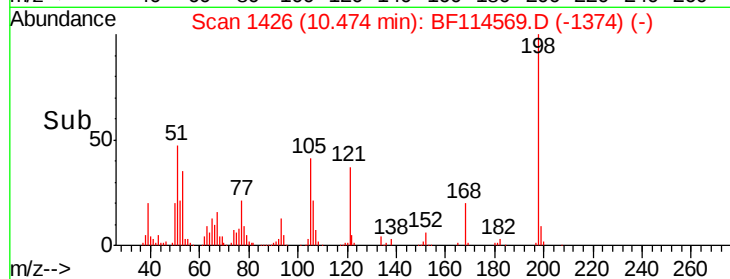
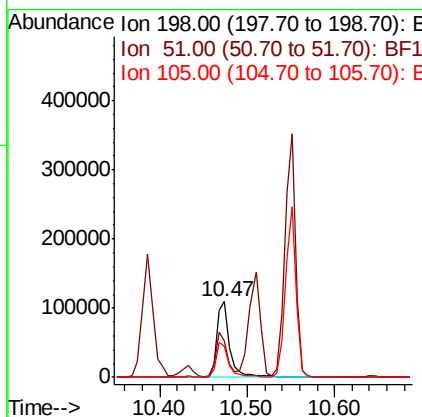
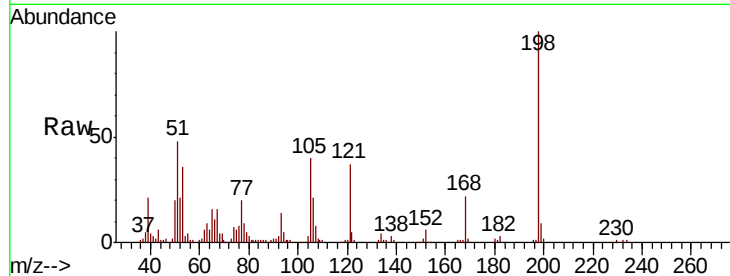
#65
4,6-Dinitro-2-methylphenol
Concen: 42.672 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	112159		
51	47.5	28.0	68.0	
105	40.5	21.1	61.1	

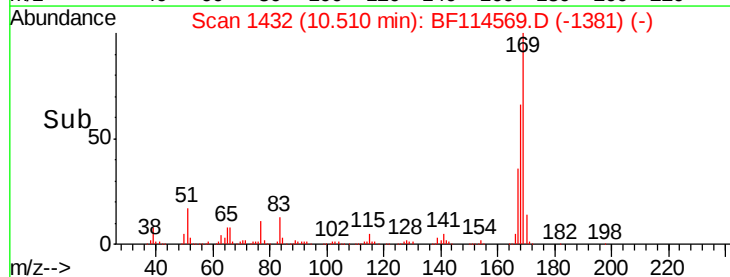
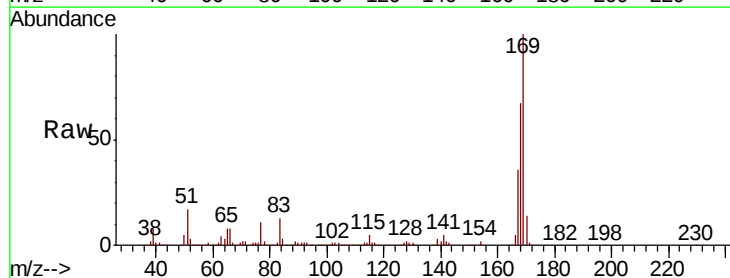
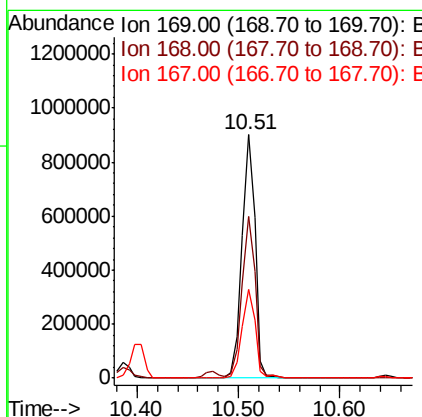
Manual Integrations
APPROVED

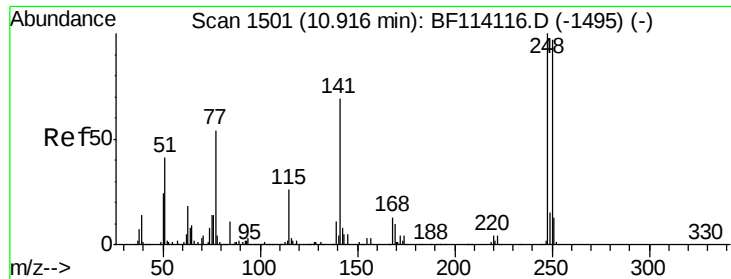
mohammad
5/27/2019 3:48:03 AM



#66
n-Nitrosodiphenylamine
Concen: 48.675 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	808081		
168	66.7	54.2	81.2	
167	36.4	29.8	44.8	





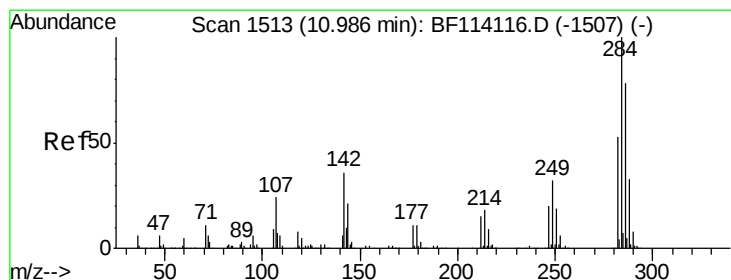
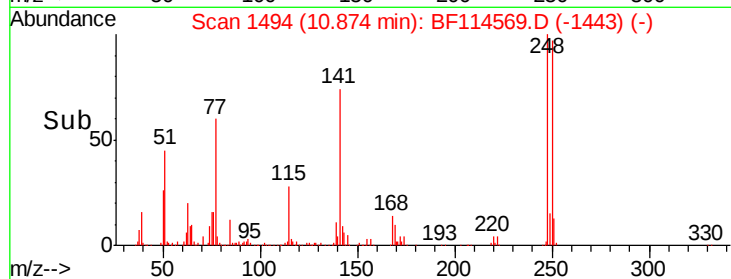
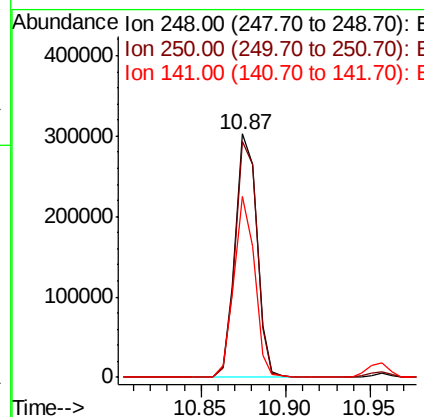
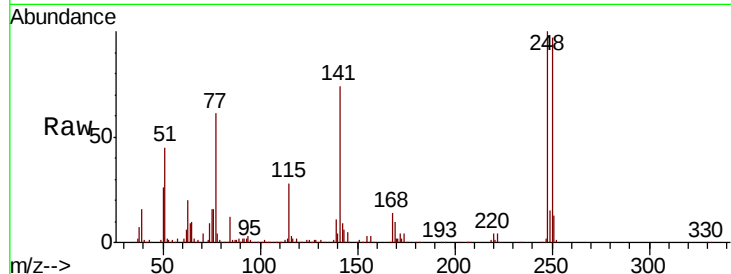
#67
4-Bromophenyl-phenylether
Concen: 45.017 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.4	116.2
141	74.1	55.6	83.4

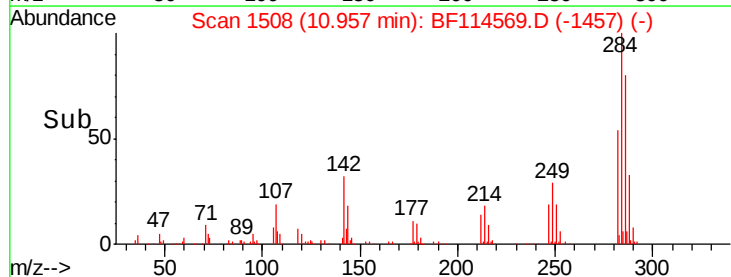
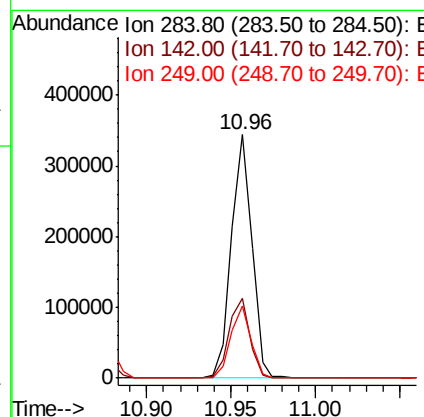
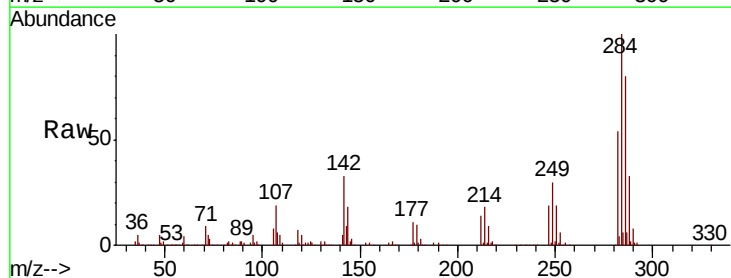
Manual Integrations
APPROVED

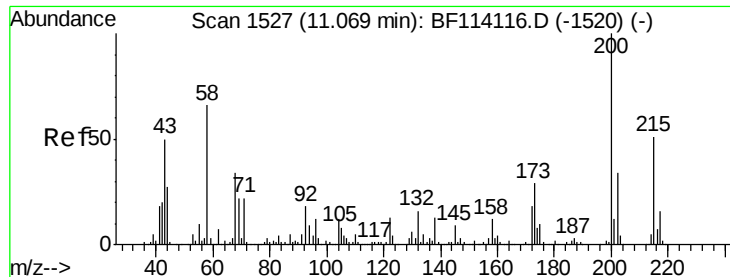
mohammad
5/27/2019 3:48:03 AM



#68
Hexachlorobenzene
Concen: 43.665 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.7	28.4	42.6
249	29.8	25.2	37.8





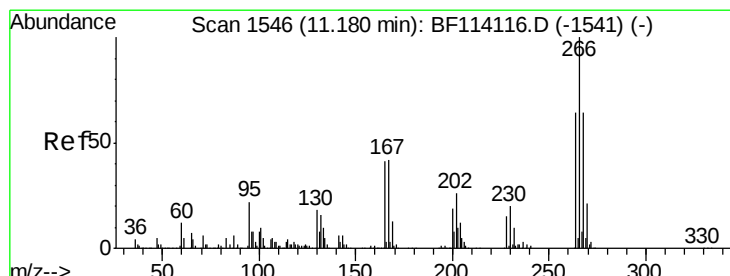
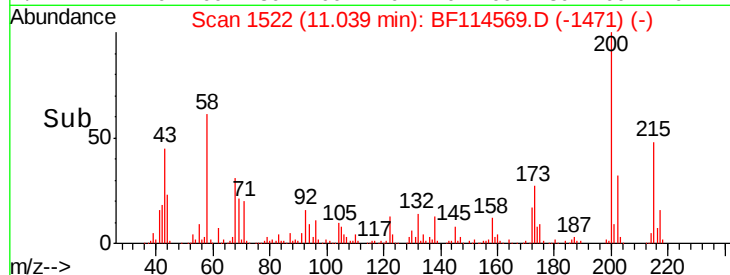
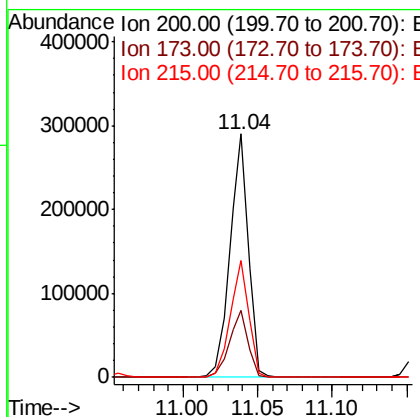
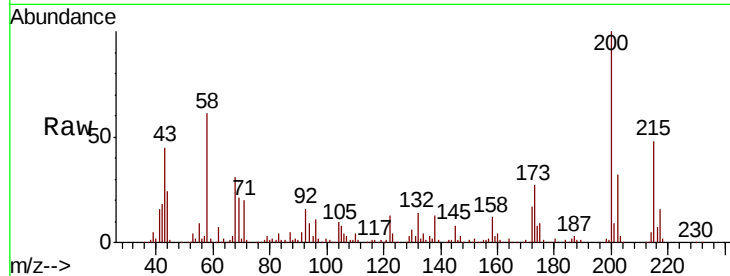
#69
Atrazine
Concen: 49.289 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	254646		
173	27.5	8.9	48.9	
215	48.0	30.7	70.7	

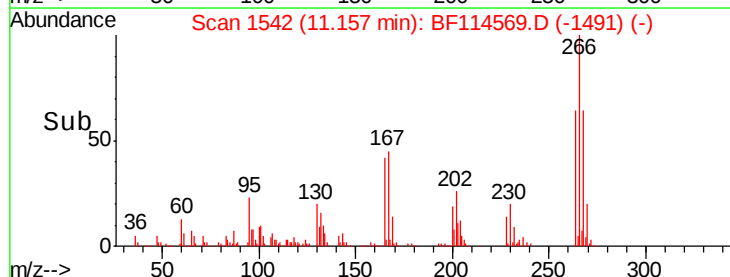
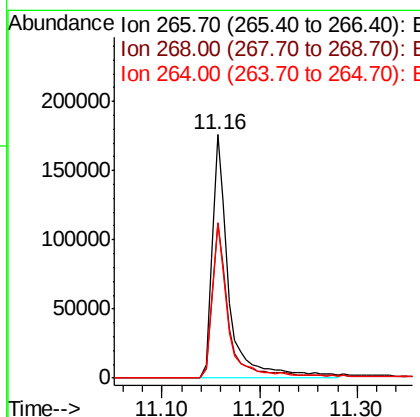
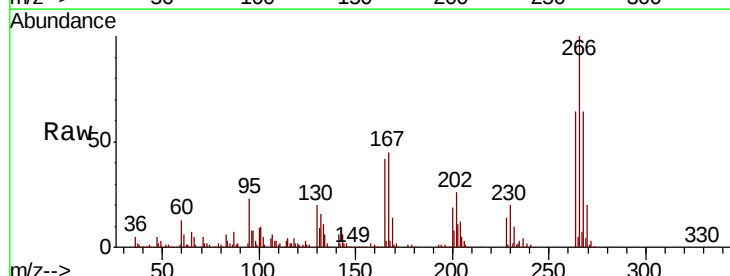
Manual Integrations
APPROVED

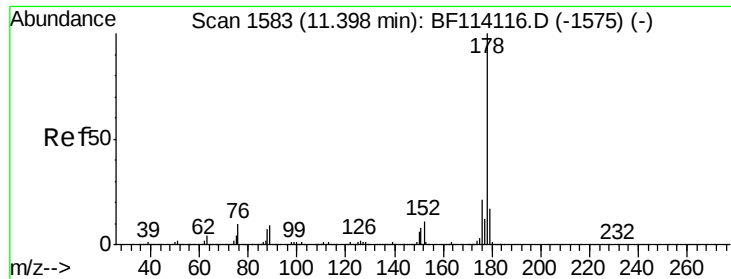
mohammad
5/27/2019 3:48:03 AM



#70
Pentachlorophenol
Concen: 66.128 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	208861		
268	63.8	51.1	76.7	
264	64.0	51.1	76.7	





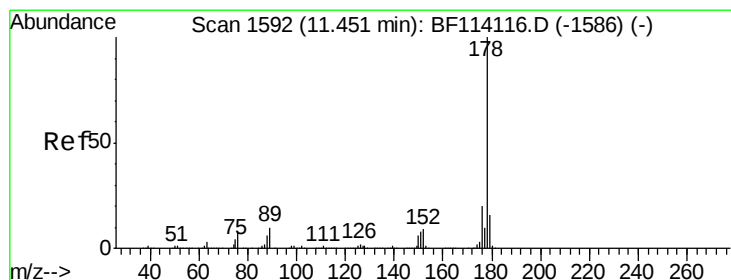
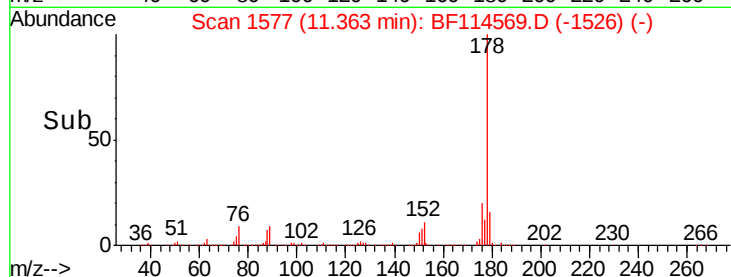
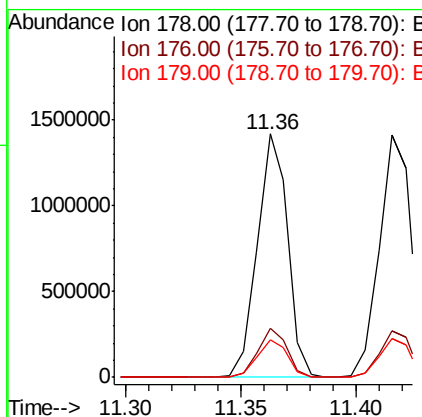
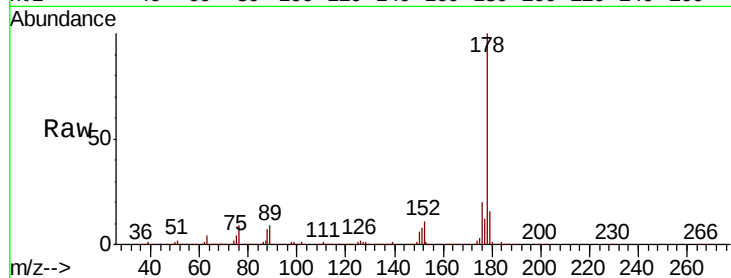
#71
Phenanthrene
Concen: 48.909 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion:178 Resp: 1301586
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 15.6 13.2 19.8

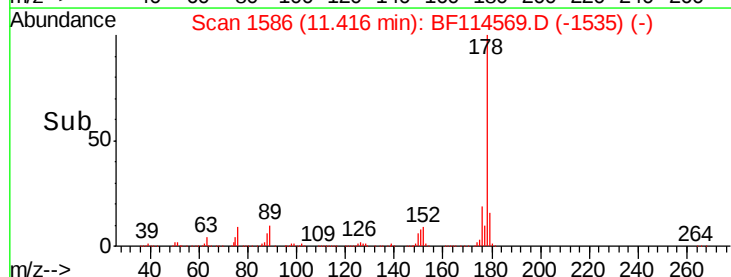
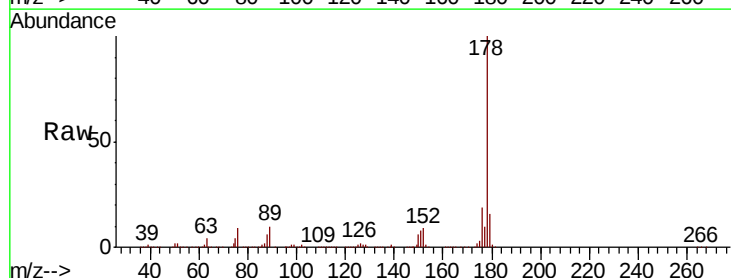
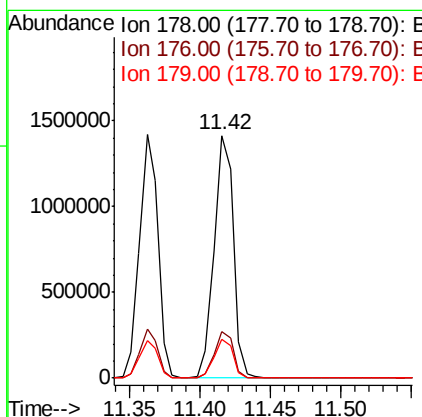
Manual Integrations
APPROVED

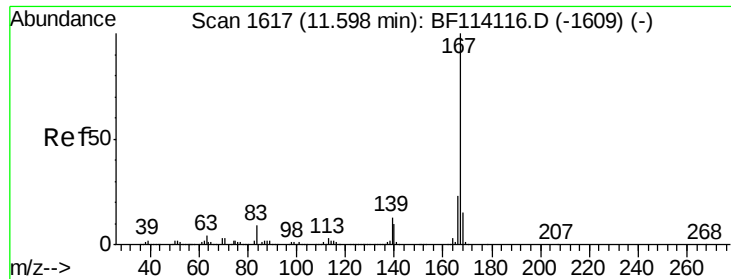
mohammad
5/27/2019 3:48:03 AM



#72
Anthracene
Concen: 50.262 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion:178 Resp: 1343501
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 16.0 13.0 19.4





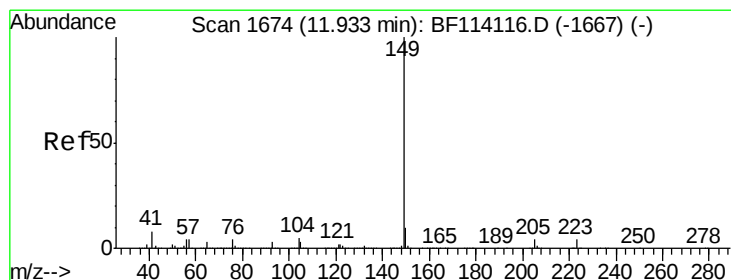
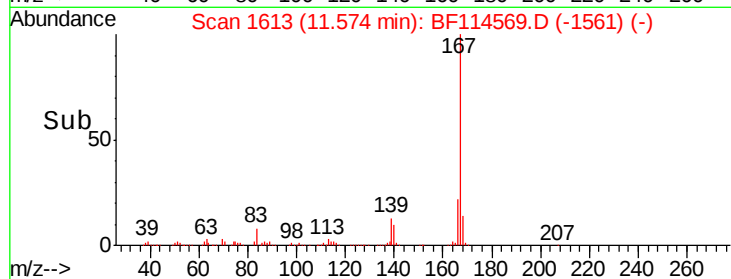
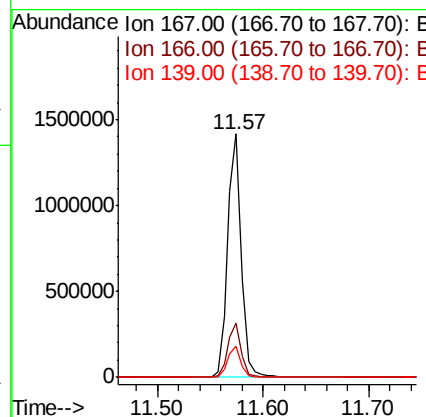
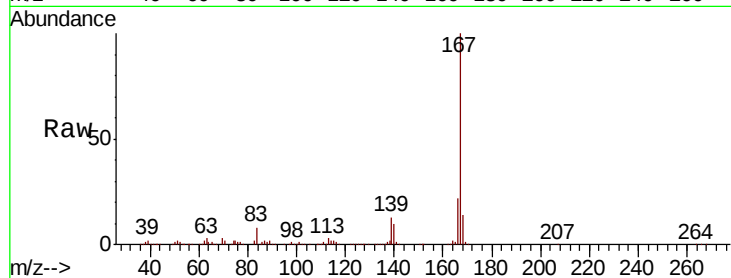
#73
 Carbazole
 Concen: 50.274 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.2
139	12.8	10.6	16.0

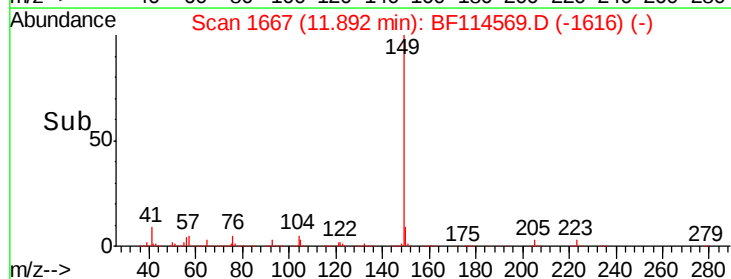
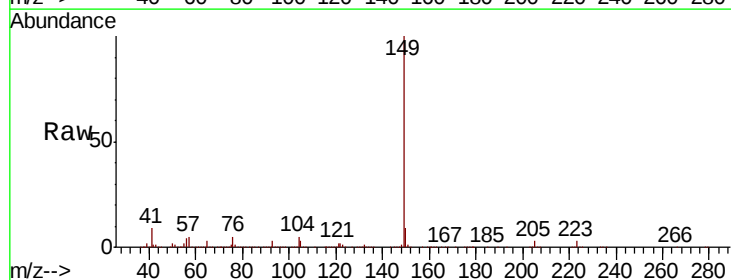
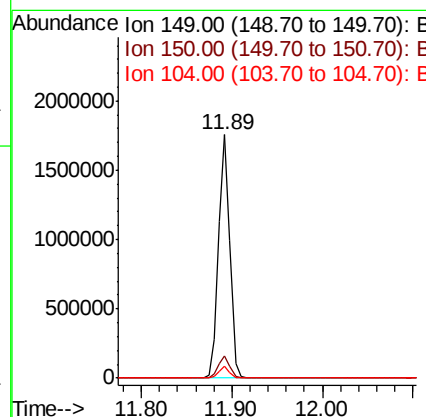
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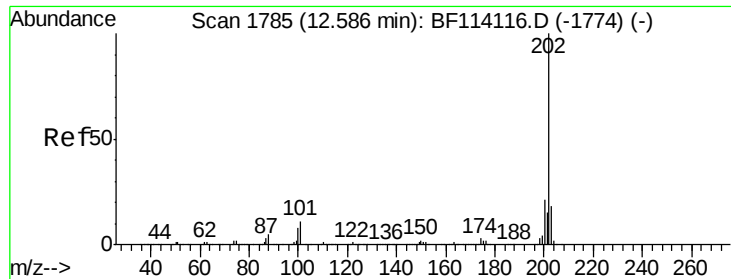
mohammad
 5/27/2019 3:48:03 AM



#74
 Di-n-butylphthalate
 Concen: 51.900 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	4.7	3.6	5.4





#75

Fluoranthene

Concen: 50.141 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:202 Resp: 1436948

Ion Ratio Lower Upper

202 100

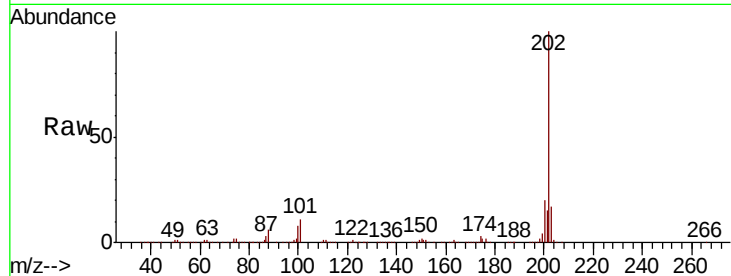
101 10.9 0.0 31.0

203 17.5 0.0 38.4

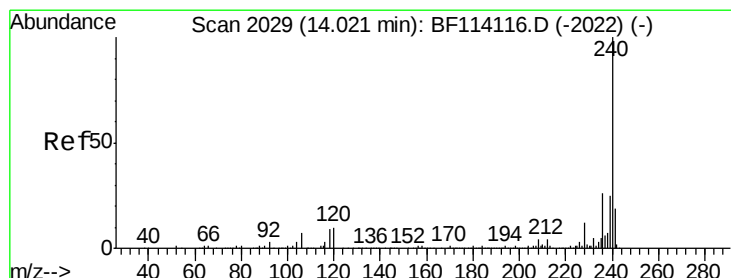
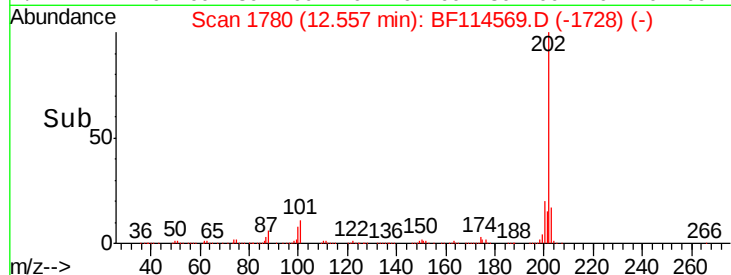
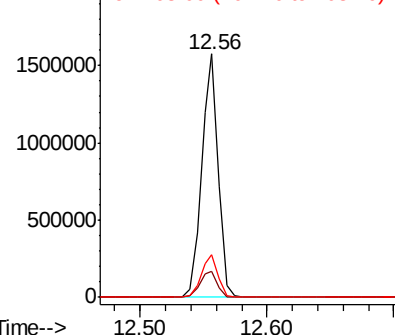
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

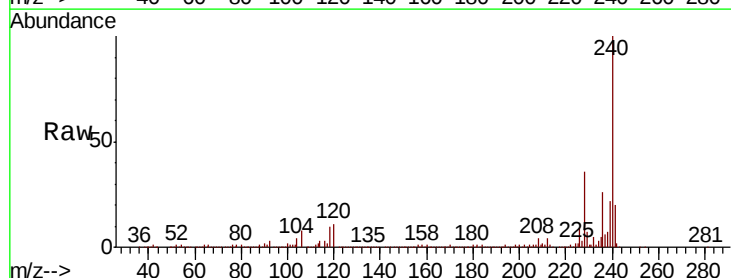
Tgt Ion:240 Resp: 392042

Ion Ratio Lower Upper

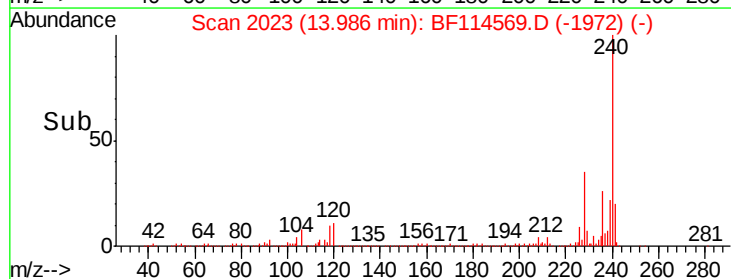
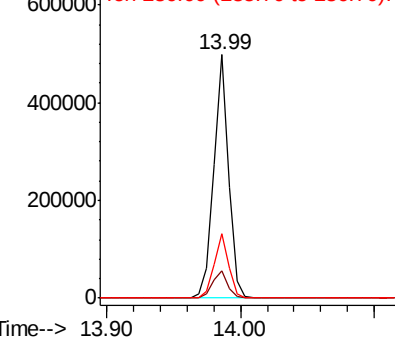
240 100

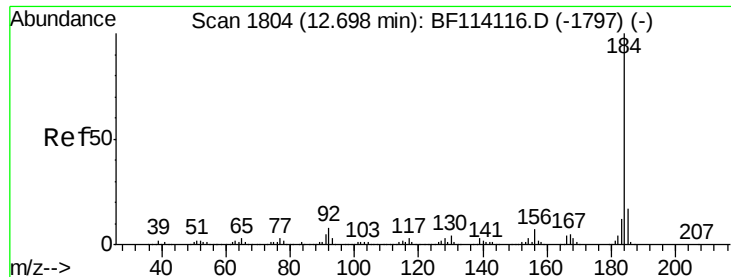
120 11.3 8.3 12.5

236 26.3 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.147 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

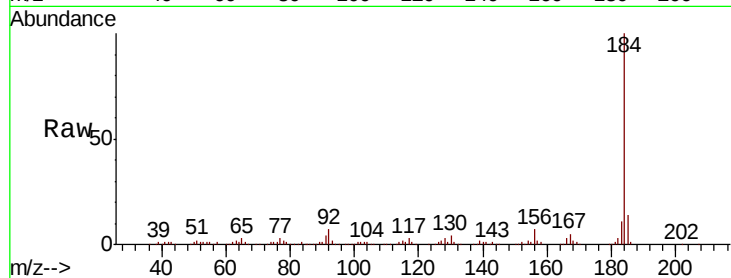
ClientSampleId :

FEBH-05(33-33.5)MSD

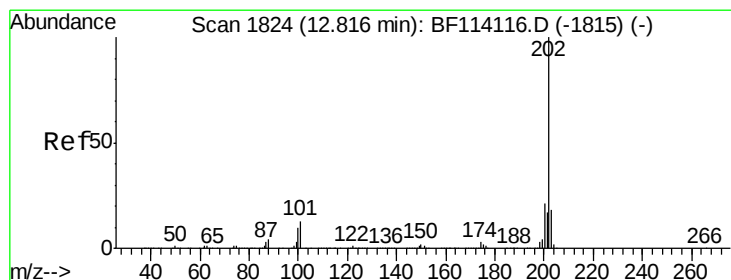
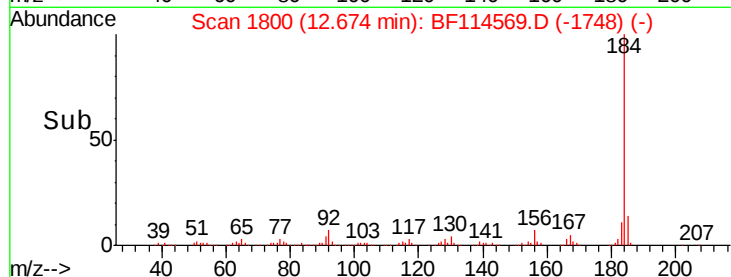
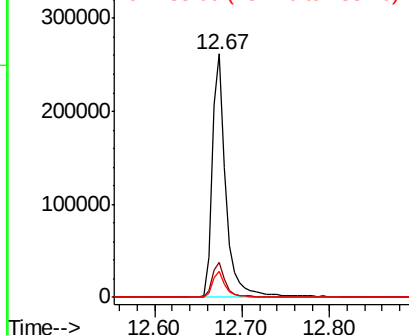
Tot Ion:	184	Resp:	284151
Ion Ratio	Lower	Upper	
184	100		
185	14.1	13.6	20.4
183	10.8	9.2	13.8

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.588 ng

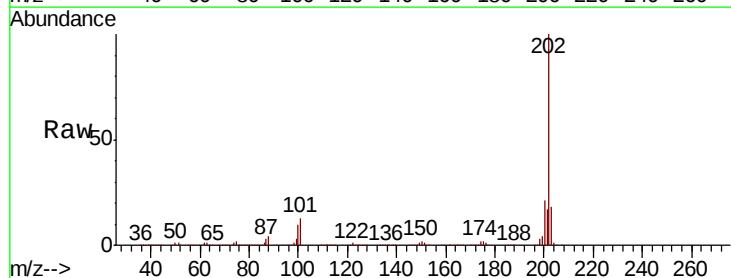
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

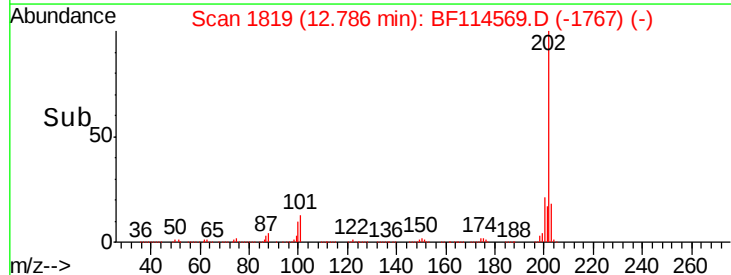
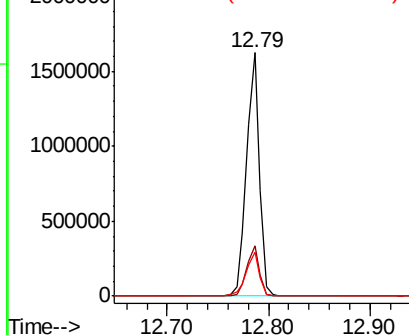
Lab File: BF114569.D

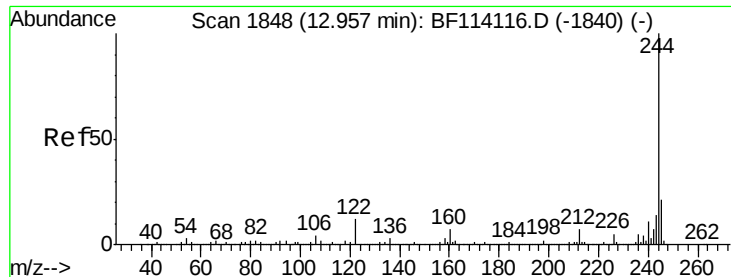
Acq: 24 May 2019 14:49

Tgt Ion:	202	Resp:	1437742
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	17.8	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.302 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:244 Resp: 1546205

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

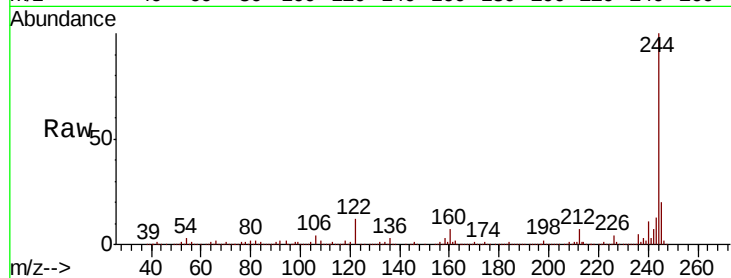
122 11.8 9.4 14.2

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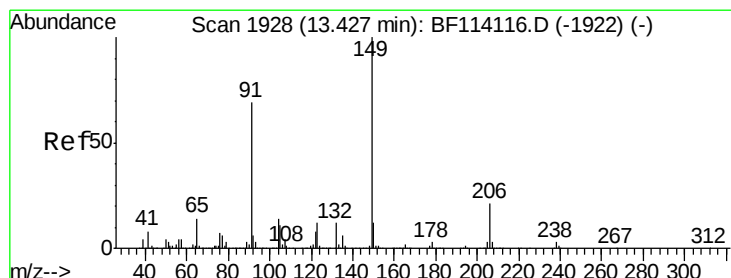
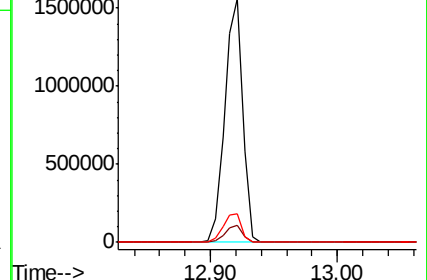
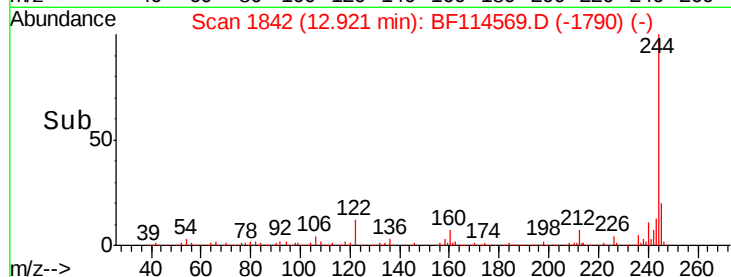
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.452 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

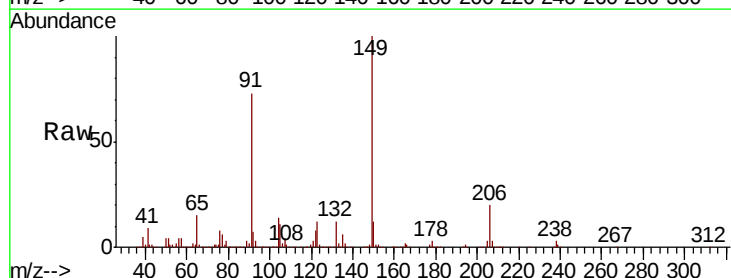
Tgt Ion:149 Resp: 669728

Ion Ratio Lower Upper

149 100

91 72.5 55.0 82.4

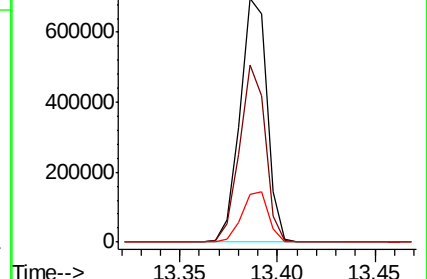
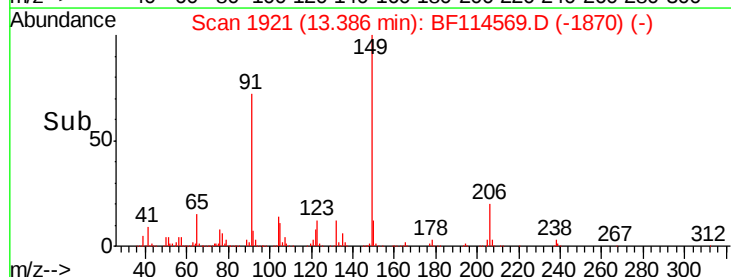
206 19.8 16.9 25.3

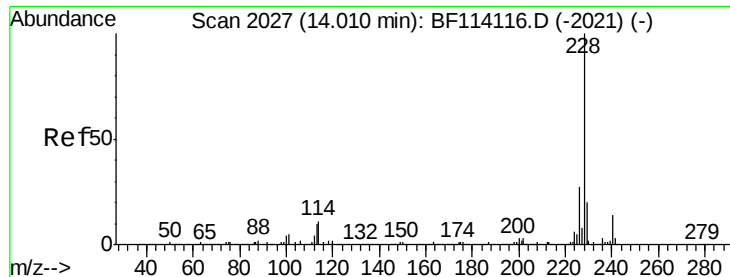


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.772 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:228 Resp: 1185996

Ion Ratio Lower Upper

228 100

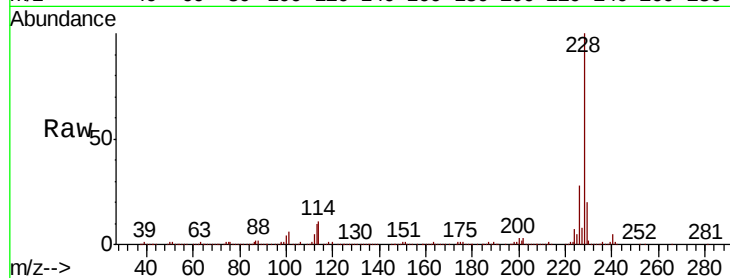
226 27.6 22.2 33.2

229 19.9 16.4 24.6

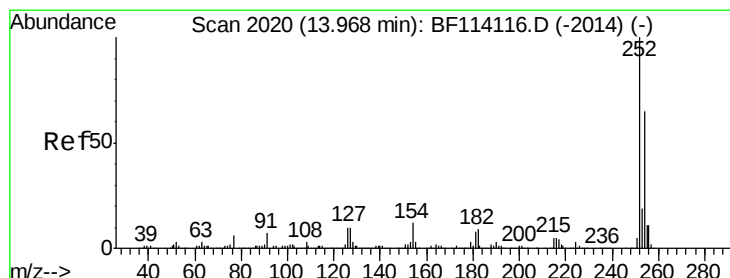
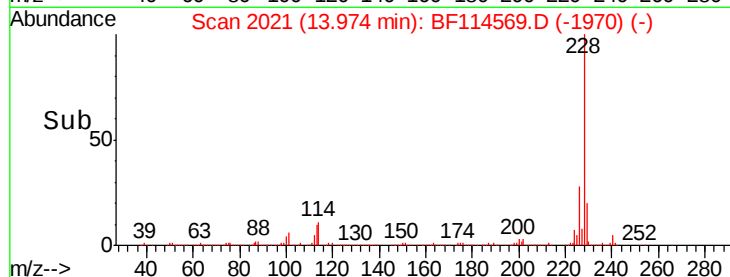
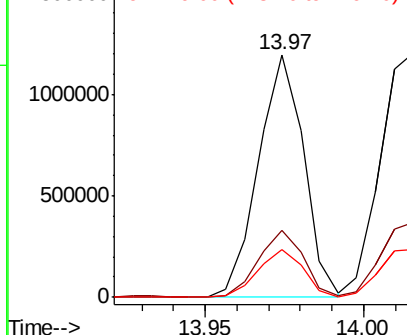
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 34.403 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:252 Resp: 338412

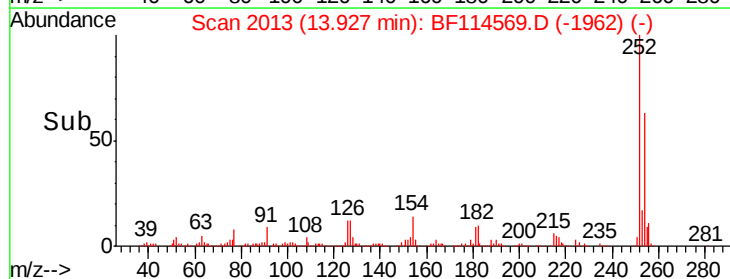
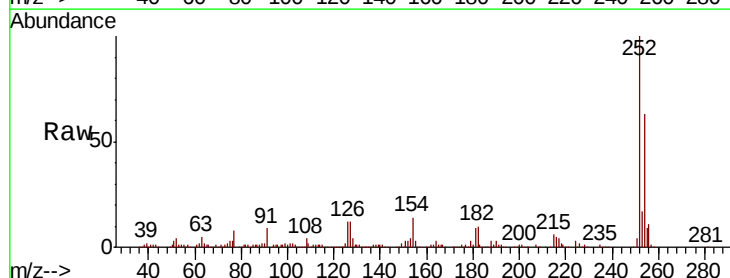
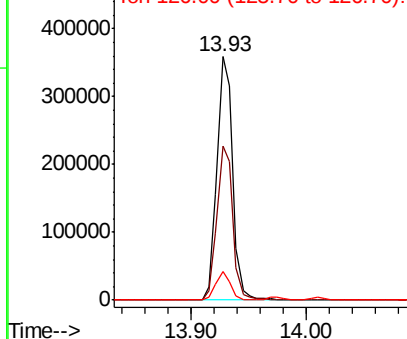
Ion Ratio Lower Upper

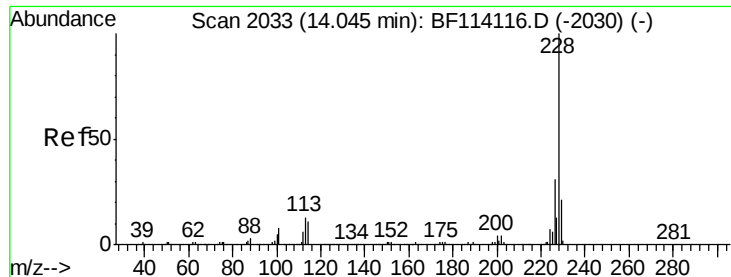
252 100

254 63.4 51.9 77.9

126 12.0 7.9 11.9#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





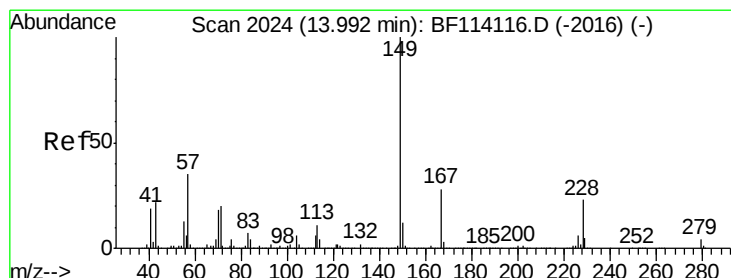
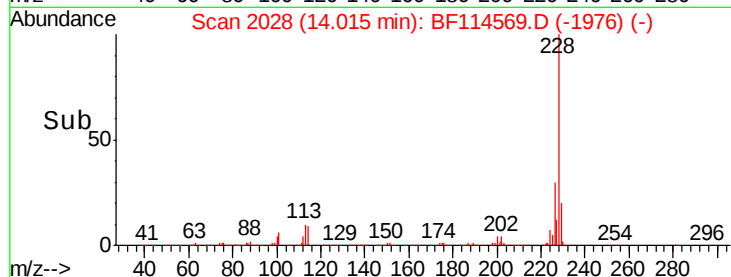
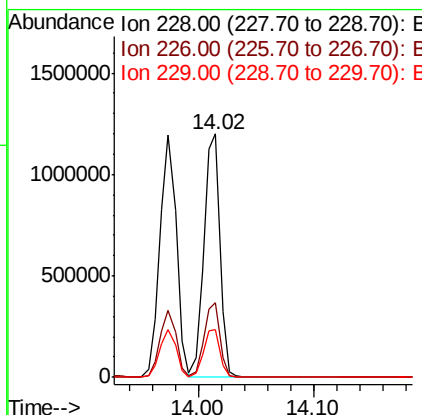
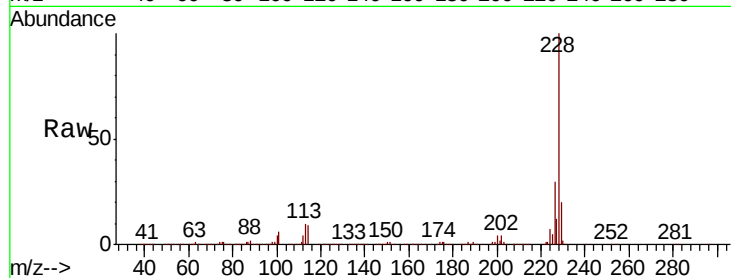
#83
 Chrvsene
 Concen: 46.971 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Instrument :
 BNA_F
 ClientSampleId :
 FEBH-05(33-33.5)MSD

Tot Ion:228 Resp: 1167564
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.0 37.6
 229 19.8 17.0 25.6

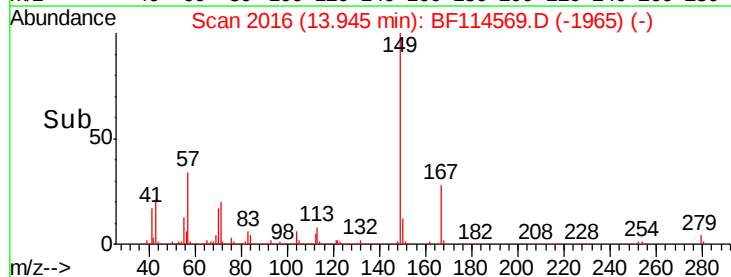
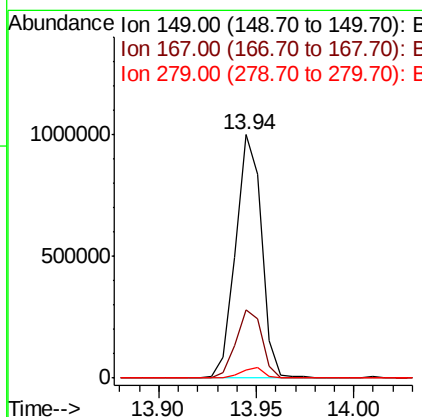
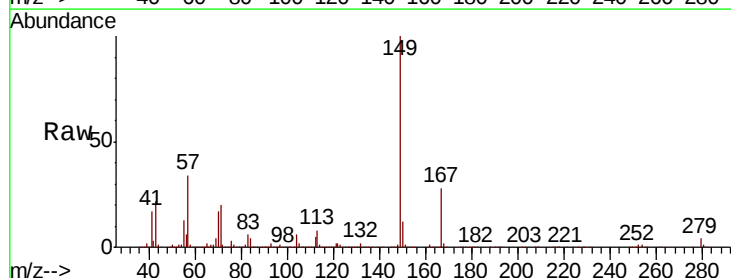
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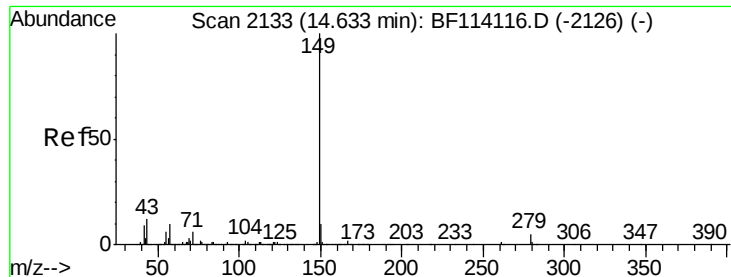
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.101 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF114569.D
 Acq: 24 May 2019 14:49

Tgt Ion:149 Resp: 921907
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.6 33.8
 279 3.6 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 53.983 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:149 Resp: 1519297

Ion Ratio Lower Upper

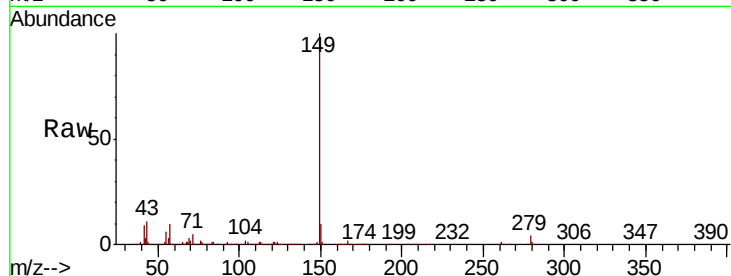
149 100

167 1.6 1.3 1.9

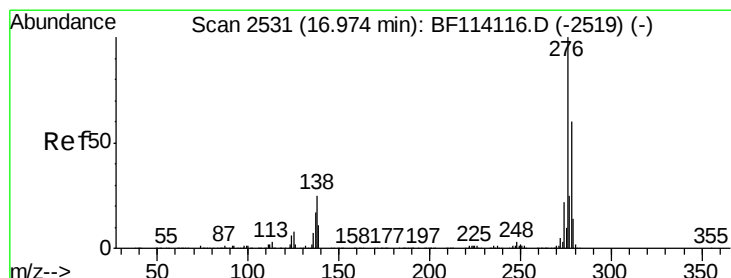
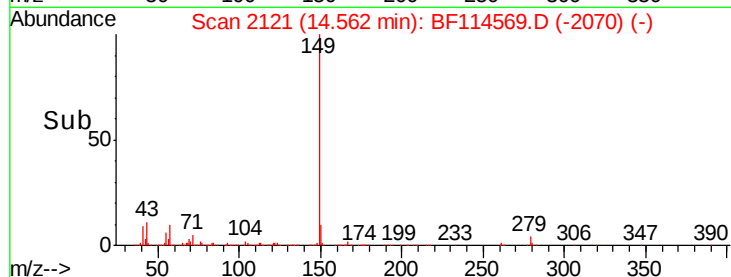
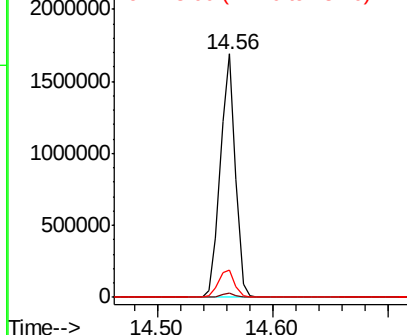
43 11.9 10.1 15.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 57.793 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.02 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

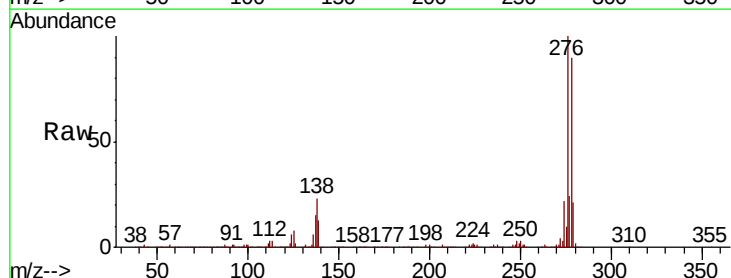
Tgt Ion:276 Resp: 1269619

Ion Ratio Lower Upper

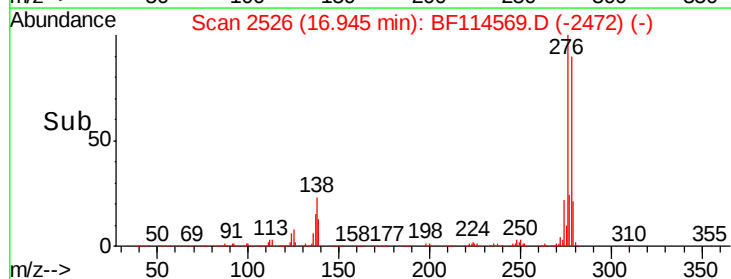
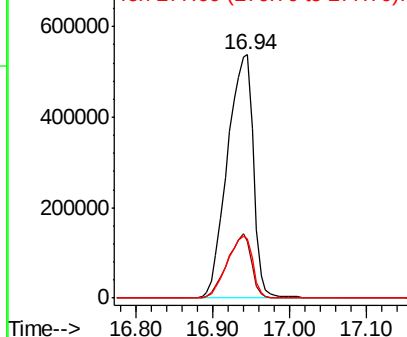
276 100

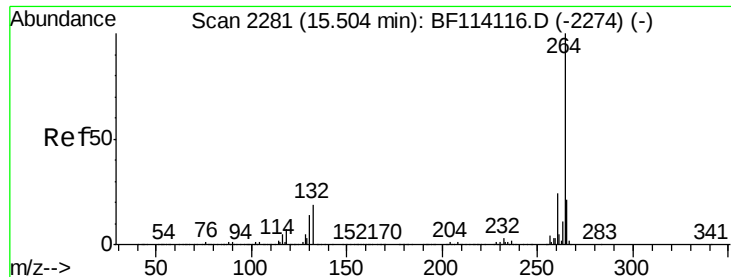
138 24.5 20.2 30.2

277 25.0 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





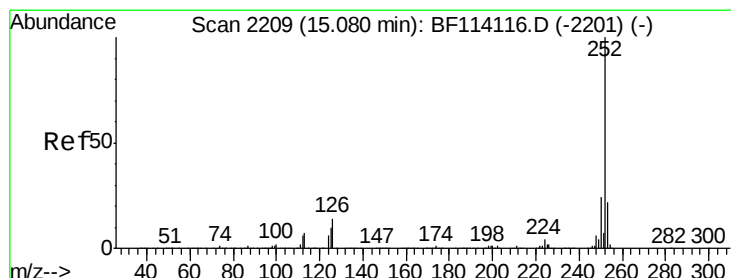
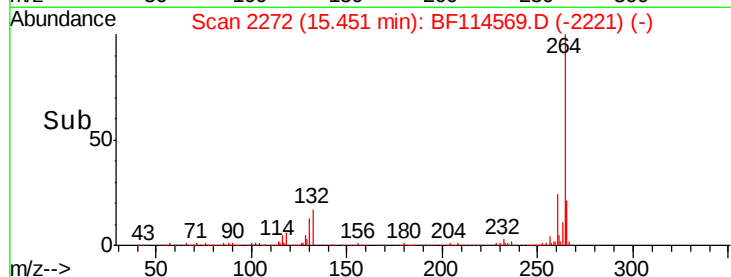
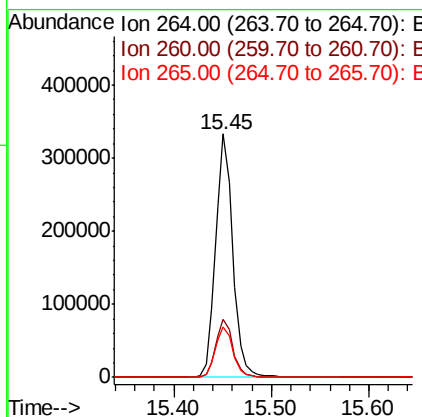
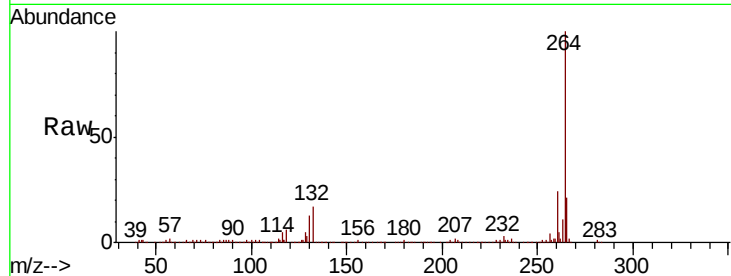
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	20.9	16.9	25.3

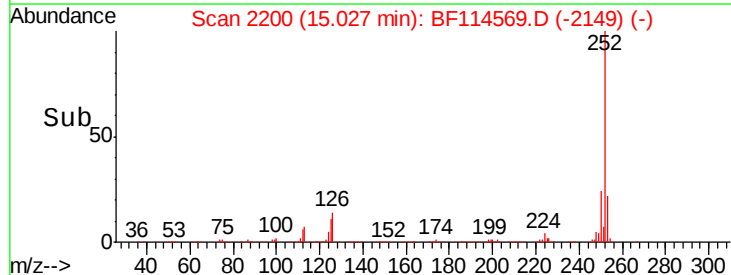
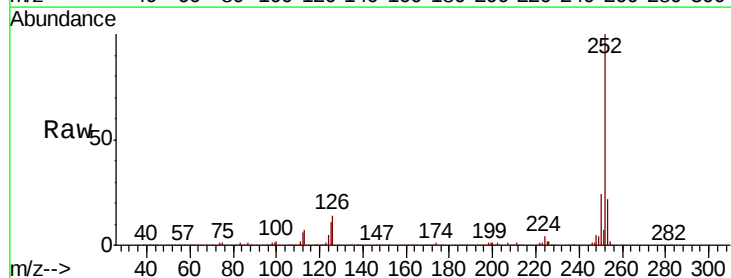
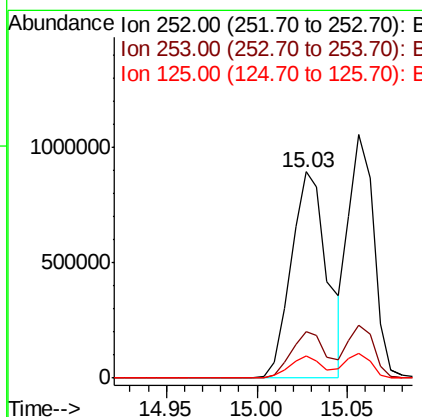
Manual Integrations
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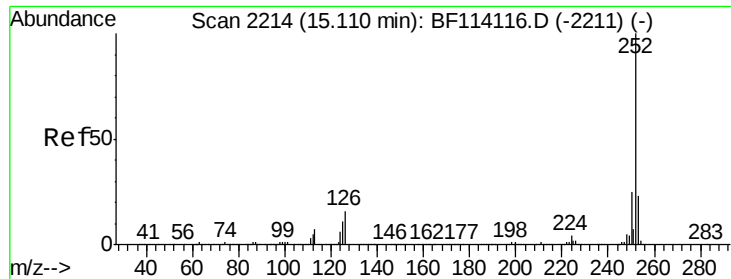
mohammad
5/27/2019 3:48:03 AM



#88
Benzo(b)fluoranthene
Concen: 47.707 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.6	8.3	12.5





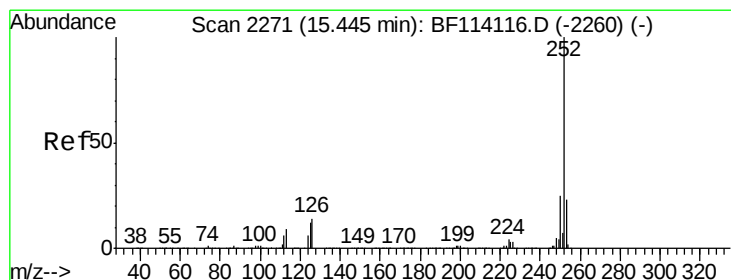
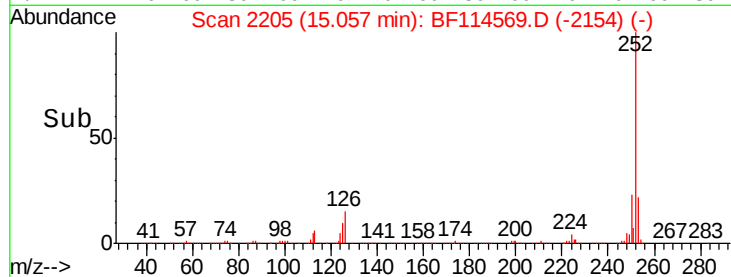
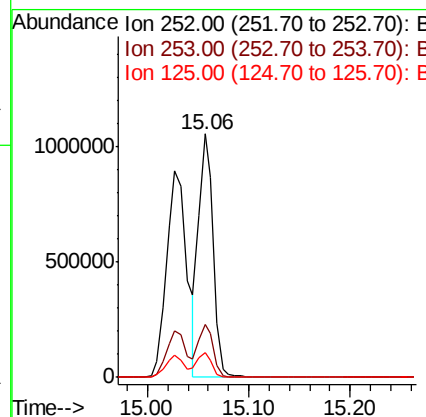
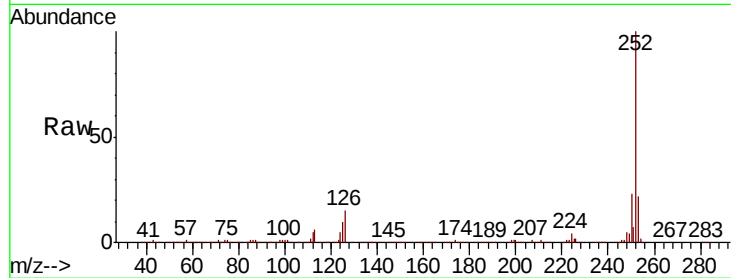
#89
Benzo(k)fluoranthene
Concen: 43.176 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	10.1	8.6	13.0

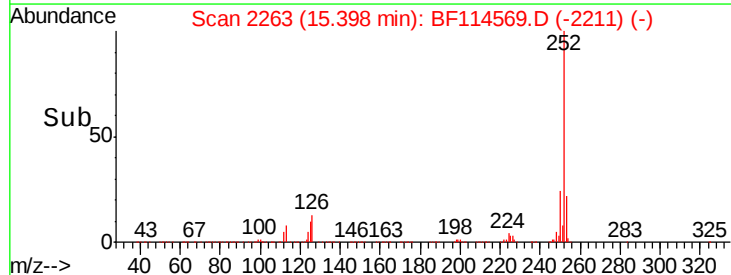
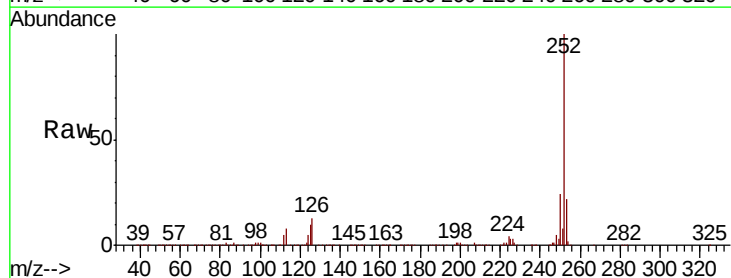
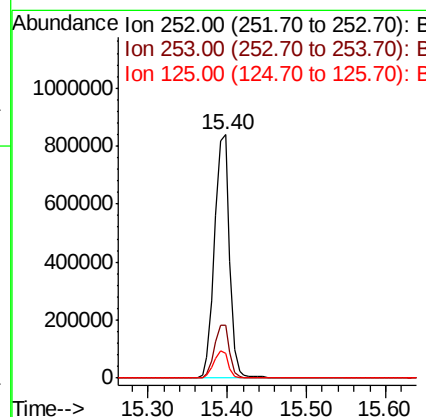
Manual Integrations
APPROVED

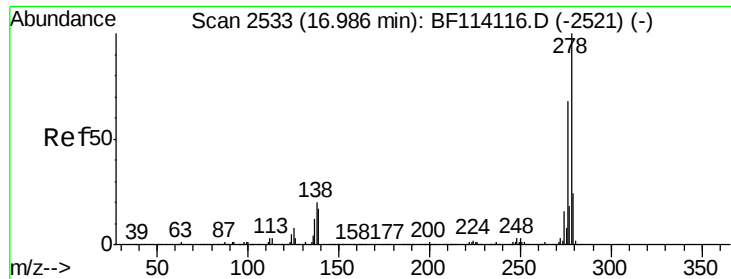
mohammad
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#90
Benzo(a)pyrene
Concen: 48.354 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	10.4	9.5	14.3





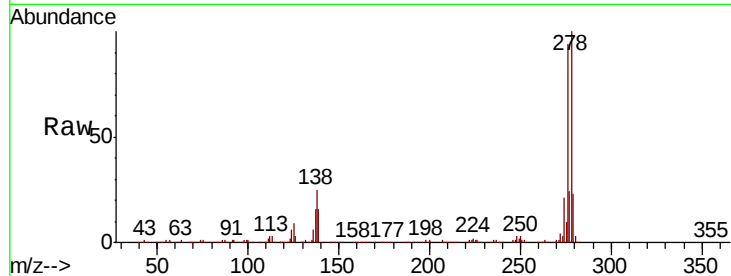
#91
Dibenzo(a,h)anthracene
Concen: 56.035 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Instrument :
BNA_F
ClientSampleId :
FEBH-05(33-33.5)MSD

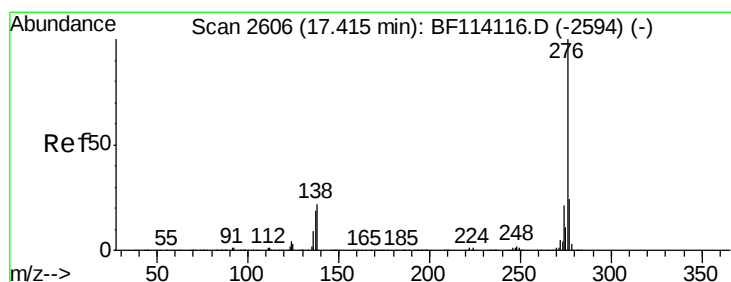
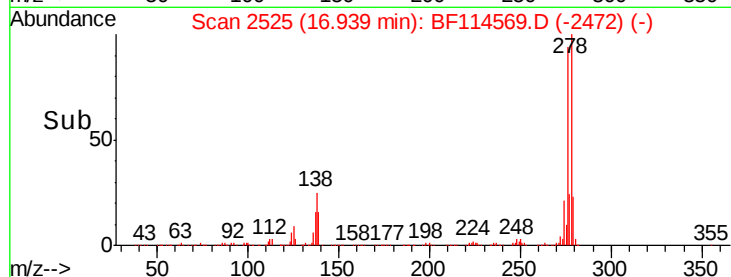
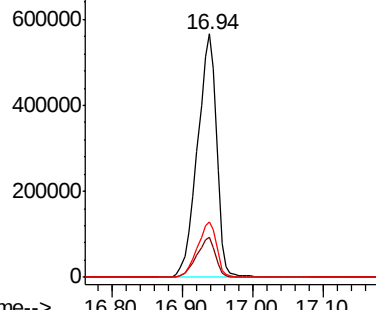
Tot Ion:278 Resp: 1070045
Ion Ratio Lower Upper
278 100
139 16.3 13.5 20.3
279 22.5 19.0 28.6

Manual Integrations
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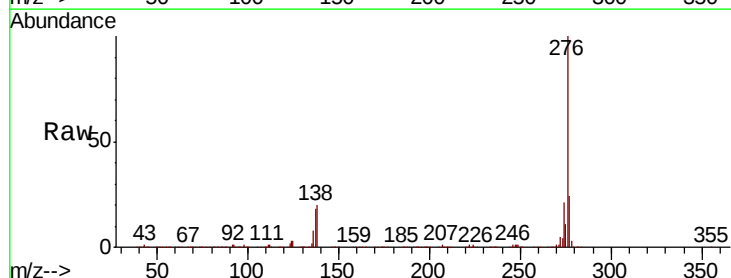


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 58.230 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BF114569.D
Acq: 24 May 2019 14:49

Tgt Ion:276 Resp: 1114350
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 20.4 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

