

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114522.D
 Acq On : 23 May 2019 13:26
 Operator : JU/SJ
 Sample : PB119776BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Manual Integrations
 APPROVED

mohammad
 5/24/2019 1:36:28 PM

Quant Time: May 24 07:29:55 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	88053	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	364221	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	181866	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	380816	20.00	ng	0.00
76) Chrysene-d12	13.99	240	263332	20.00	ng	0.00
87) Perylene-d12	15.45	264	218410	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	598026	109.30	ng	0.00
7) Phenol-d6	6.46	99	752161	116.23	ng	0.00
23) Nitrobenzene-d5	7.37	82	392543	60.48	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	194054	103.21	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	785116	65.30	ng	0.00
79) Terphenyl-d14	12.92	244	886545	69.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	223099	74.180	ng	99
3) Pyridine	3.40	79	564778	68.157	ng	99
4) n-Nitrosodimethylamine	3.36	42	292528	73.207	ng	98
6) Aniline	6.47	93	566283	60.577	ng	# 35
8) 2-Chlorophenol	6.60	128	549137	94.010	ng	97
9) Benzaldehyde	6.36	77	186085	41.074	ng	97
10) Phenol	6.47	94	679921	89.312	ng	83
11) bis(2-Chloroethyl)ether	6.55	93	527319	91.238	ng	98
12) 1,3-Dichlorobenzene	6.75	146	556710	84.905	ng	97
13) 1,4-Dichlorobenzene	6.83	146	563825	85.335	ng	98
14) 1,2-Dichlorobenzene	6.98	146	541868	89.767	ng	100
15) Benzyl Alcohol	6.96	79	448133	88.786	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	945896	84.408	ng	76
17) 2-Methylphenol	7.07	107	434946	90.645	ng	95
18) Hexachloroethane	7.32	117	212584	85.716	ng	100
19) n-Nitroso-di-n-propylamine	7.23	70	366734	89.405	ng	98
20) 3+4-Methylphenols	7.23	107	548636	98.962	ng	# 68
22) Acetophenone	7.22	105	719596	89.184	ng	# 91
24) Nitrobenzene	7.39	77	578971	87.588	ng	99
25) Isophorone	7.63	82	1067699	88.706	ng	98
26) 2-Nitrophenol	7.72	139	297463	92.754	ng	99
27) 2,4-Dimethylphenol	7.76	122	484008	96.093	ng	99
28) bis(2-Chloroethoxy)methane	7.84	93	673395	86.225	ng	100
29) 2,4-Dichlorophenol	7.96	162	459752	91.666	ng	98
30) 1,2,4-Trichlorobenzene	8.04	180	481389	84.406	ng	98
31) Naphthalene	8.12	128	1554802	91.387	ng	99
32) Benzoic acid	7.92	122	298437	77.963	ng	98
33) 4-Chloroaniline	8.17	127	474307	61.178	ng	98
34) Hexachlorobutadiene	8.23	225	269605	83.081	ng	99
35) Caprolactam	8.55	113	161709m	98.879	ng	
36) 4-Chloro-3-methylphenol	8.67	107	495785	98.204	ng	97
37) 2-Methylnaphthalene	8.81	142	1059393	96.511	ng	98
38) 1-Methylnaphthalene	8.91	142	990181	95.788	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	476459	86.486	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	219580	85.253	ng	100
43) 2,4,6-Trichlorophenol	9.10	196	307952	81.268	ng	96
44) 2,4,5-Trichlorophenol	9.15	196	332430	85.543	ng	98
46) 1,1'-Biphenyl	9.27	154	1281413	87.217	ng	98
47) 2-Chloronaphthalene	9.30	162	978700	82.771	ng	99
48) 2-Nitroaniline	9.40	65	341656	81.474	ng	91
49) Acenaphthylene	9.72	152	1561588	86.832	ng	99
50) Dimethylphthalate	9.57	163	1164798	87.246	ng	100
51) 2,6-Dinitrotoluene	9.65	165	259333	87.578	ng	86
52) Acenaphthene	9.89	154	915011	82.914	ng	98
53) 3-Nitroaniline	9.82	138	228815	62.248	ng	93
54) 2,4-Dinitrophenol	9.93	184	230377	148.421	ng	100
55) Dibenzofuran	10.06	168	1346133	83.186	ng	99
56) 4-Nitrophenol	10.00	139	326695	125.676	ng	97
57) 2,4-Dinitrotoluene	10.06	165	321768	80.058	ng	# 80
58) Fluorene	10.40	166	1109113	88.734	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.19	232	276454	82.447	ng	# 99
60) Diethylphthalate	10.27	149	1187855	87.567	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	528765	86.131	ng	94
62) 4-Nitroaniline	10.43	138	304756	78.899	ng	97
63) Azobenzene	10.55	77	1123045	85.531	ng	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	159708	87.278	ng	81
66) n-Nitrosodiphenylamine	10.51	169	998683	86.407	ng	98
67) 4-Bromophenyl-phenylether	10.88	248	336784	80.321	ng	95
68) Hexachlorobenzene	10.96	284	361369	77.906	ng	99
69) Atrazine	11.04	200	308847	85.868	ng	98
70) Pentachlorophenol	11.16	266	295748	134.501	ng	99
71) Phenanthrene	11.36	178	1596492	86.170	ng	99
72) Anthracene	11.42	178	1650109	88.673	ng	99
73) Carbazole	11.57	167	1539642	86.763	ng	98
74) Di-n-butylphthalate	11.89	149	1877611	91.841	ng	99
75) Fluoranthene	12.56	202	1724303	86.425	ng	99
77) Benzidine	12.67	184	809126	68.451	ng	96
78) Pyrene	12.79	202	1766671	83.397	ng	100
80) Butylbenzylphthalate	13.39	149	825627	92.596	ng	98
81) Benzo(a)anthracene	13.97	228	1483199	87.082	ng	99
82) 3,3'-Dichlorobenzidine	13.93	252	436363	66.043	ng	# 98
83) Chrysene	14.02	228	1430866	85.699	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	1134142	97.255	ng	98
85) Di-n-octyl phthalate	14.56	149	1814196	95.968	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	1224737	83.000	ng	100
88) Benzo(b)fluoranthene	15.03	252	1478621	105.672	ng	99
89) Benzo(k)fluoranthene	15.06	252	1255964	97.713	ng	97
90) Benzo(a)pyrene	15.40	252	1305330	105.998	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	1031413	100.794	ng	98
92) Benzo(g,h,i)perylene	17.37	276	1040714	101.485	ng	99

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



#1

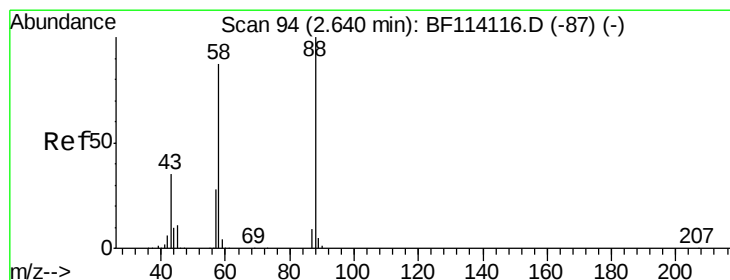
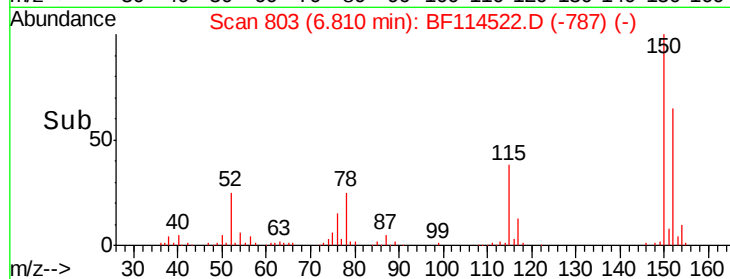
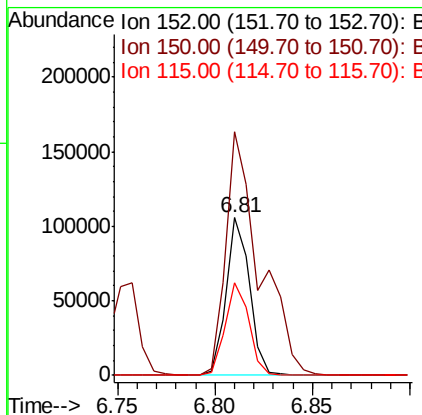
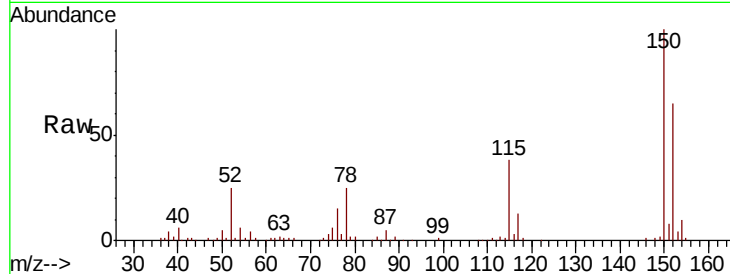
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.3	186.5
115	58.8	49.1	73.7

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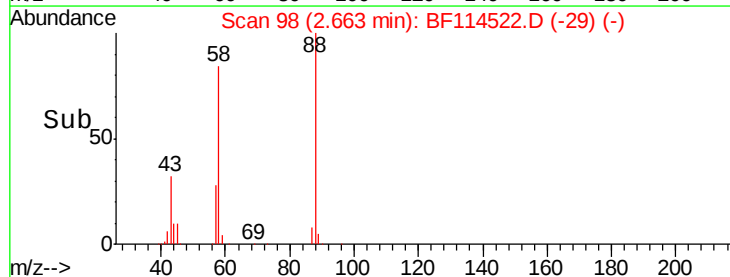
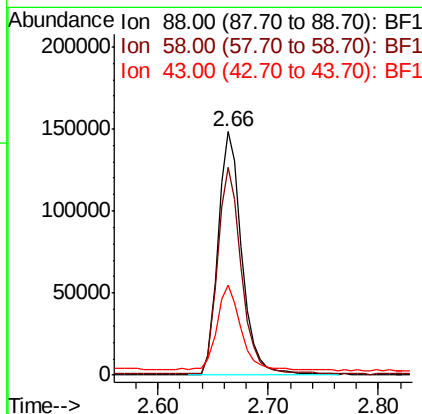
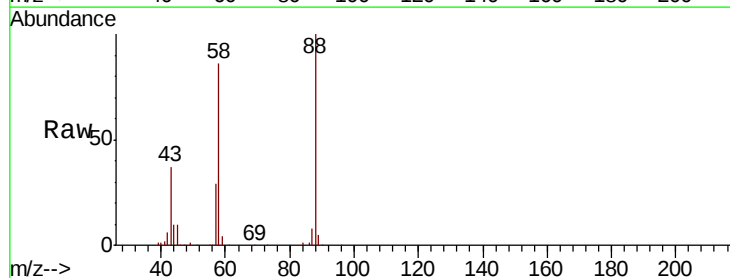
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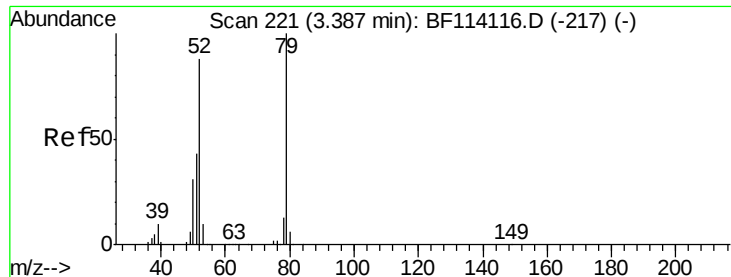


#2

1,4-Dioxane
Concen: 74.180 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.11 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.5	68.7	103.1
43	35.2	28.2	42.2





#3

Pvridine

Concen: 68.157 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.10 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

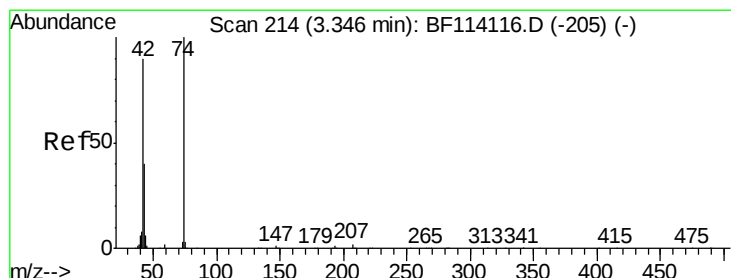
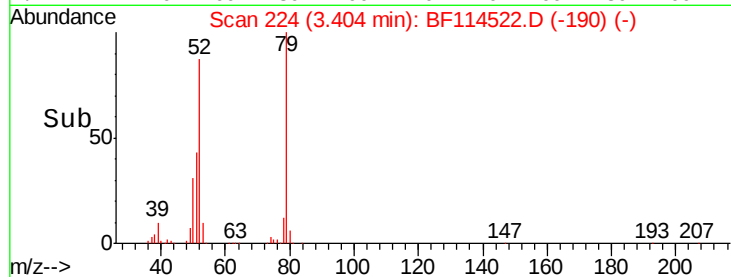
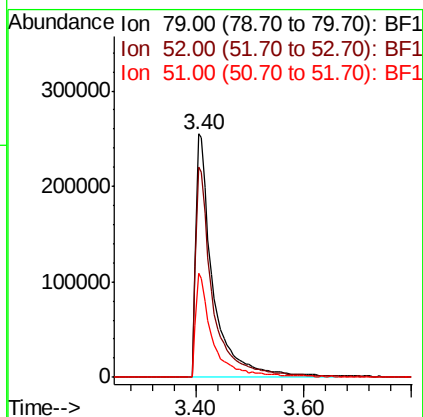
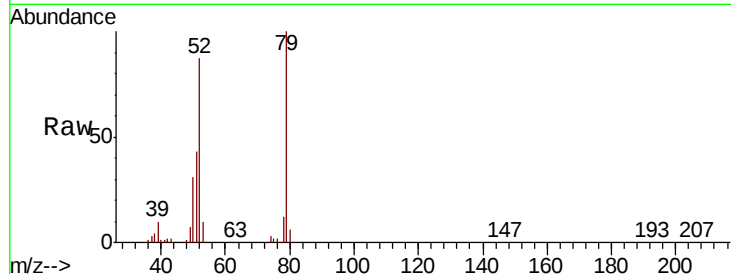
ClientSampleId :

PB119776BS

Tot Ion:	79	Resp:	564778
Ion Ratio	Lower	Upper	
79	100		
52	86.6	70.6	105.8
51	42.9	34.2	51.2

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 73.207 ng

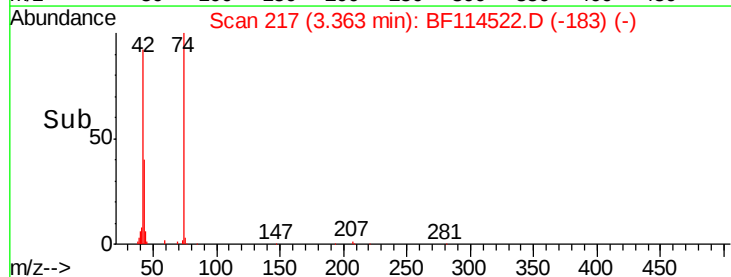
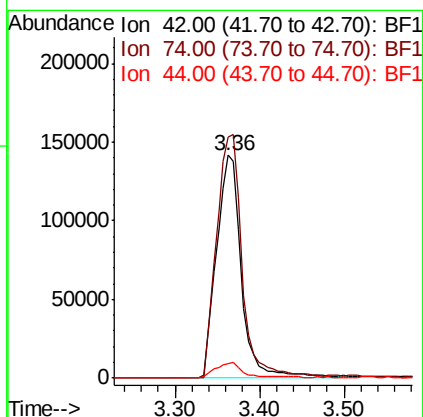
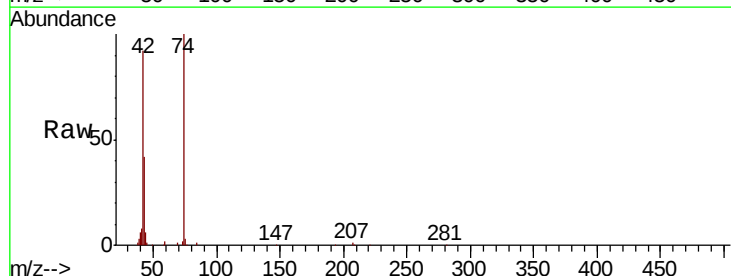
RT: 3.36 min Scan# 217

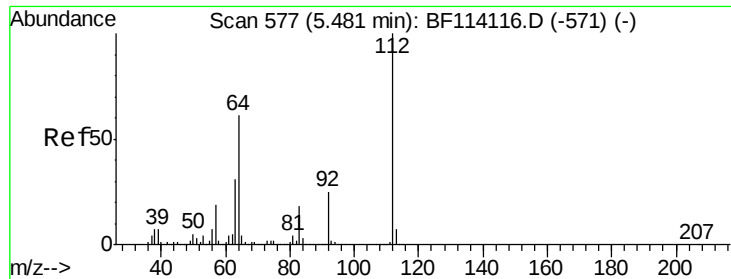
Delta R.T. 0.10 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	42	Resp:	292528
Ion Ratio	Lower	Upper	
42	100		
74	108.5	88.6	132.8
44	6.6	5.5	8.3





#5

2-Fluorophenol

Concen: 109.296 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

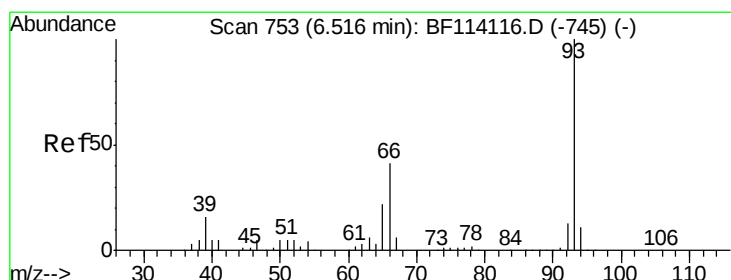
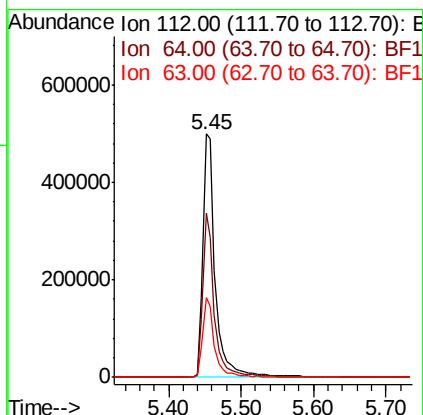
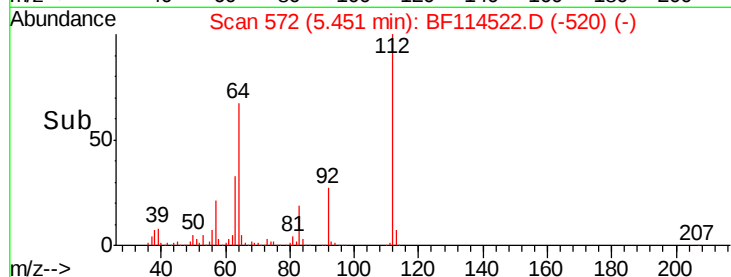
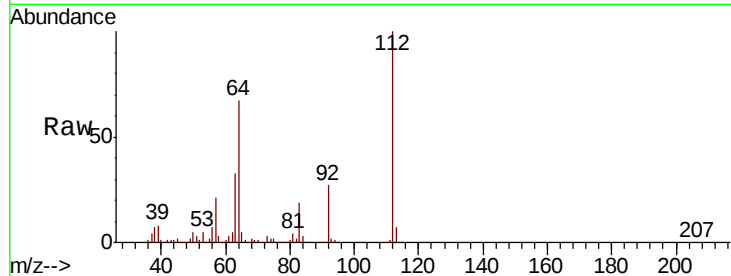
ClientSampleId :

PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	598026		
64	67.5	49.0	73.6	
63	32.9	24.6	37.0	

Manual Integrations
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#6

Aniline

Concen: 60.577 ng

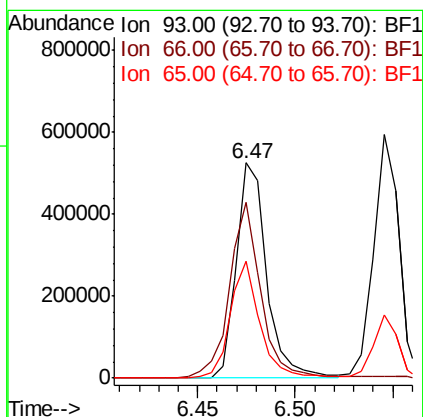
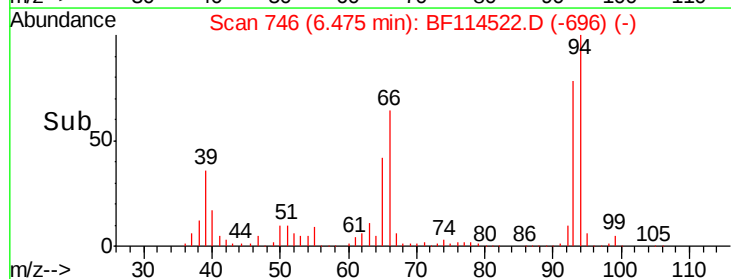
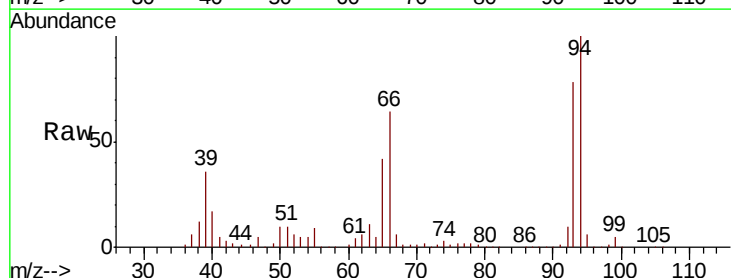
RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	566283		
66	81.9	33.2	49.8#	
65	54.2	17.6	26.4#	





#7

Phenol-d6

Concen: 116.227 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

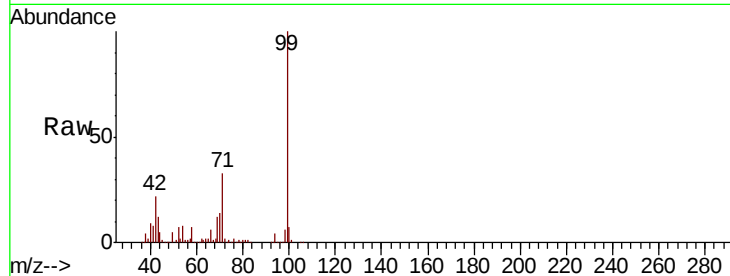
ClientSampleId :

PB119776BS

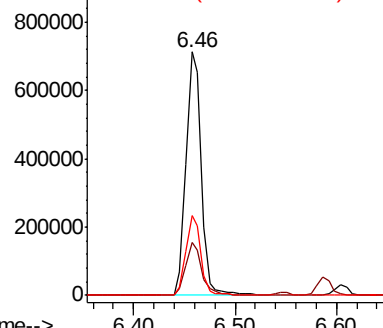
Tot Ion:	99	Resp:	752161
Ion Ratio	Lower	Upper	
99	100		
42	21.8	17.9	26.9
71	32.7	26.2	39.2

Manual Integrations
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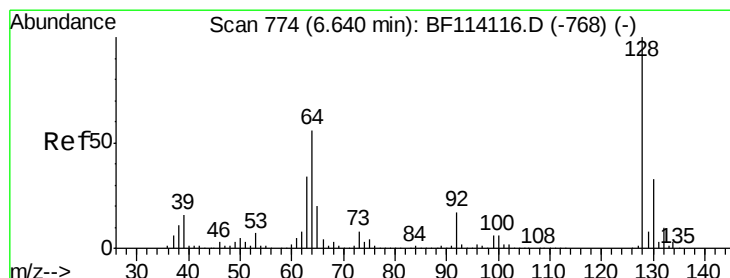
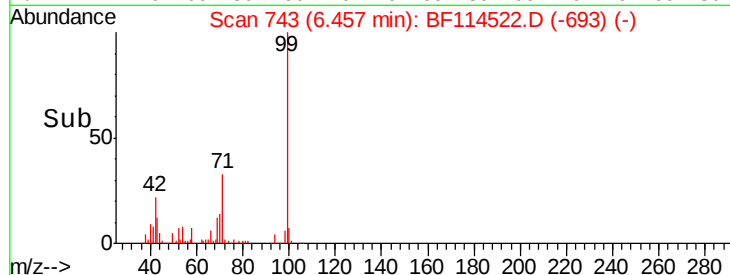
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#8

2-Chlorophenol

Concen: 94.010 ng

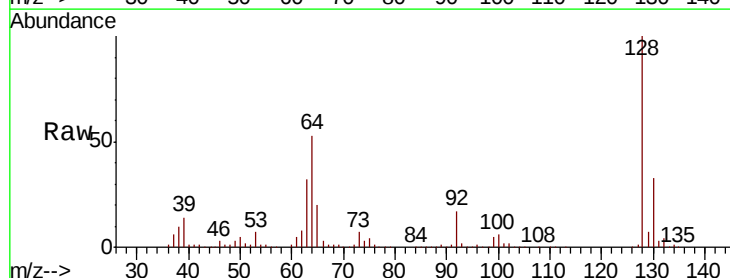
RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

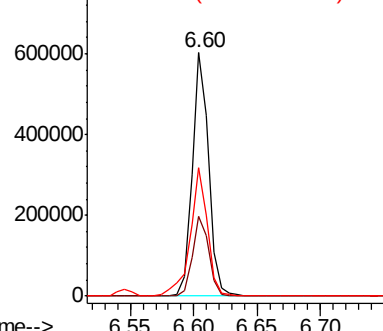
Lab File: BF114522.D

Acq: 23 May 2019 13:26

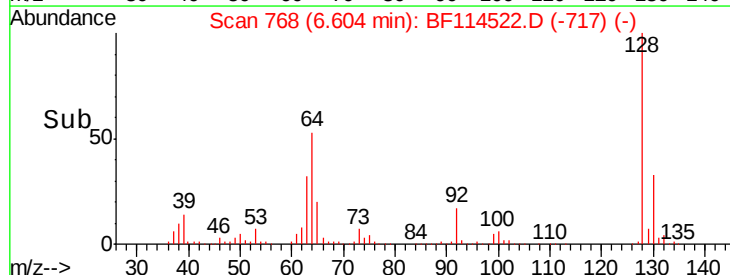
Tgt Ion:	128	Resp:	549137
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.6	52.6
64	53.0	35.9	75.9

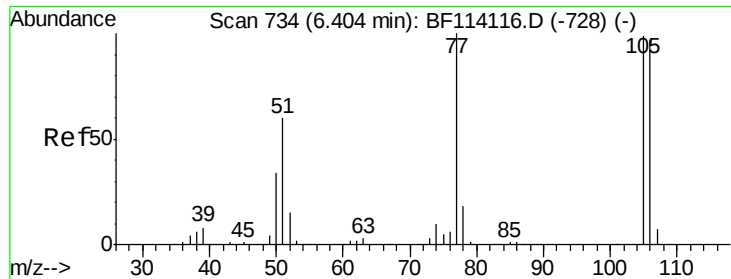


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1



Time-->





#9

Benzaldehyde

Concen: 41.074 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

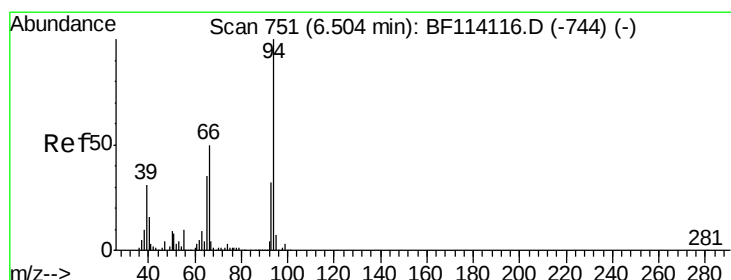
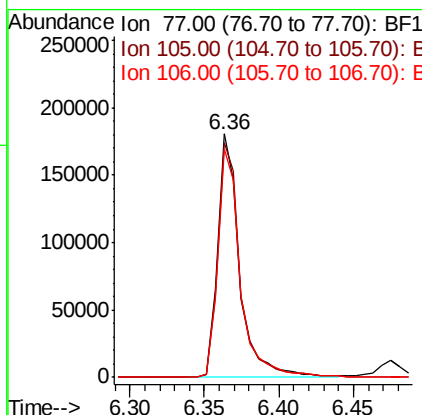
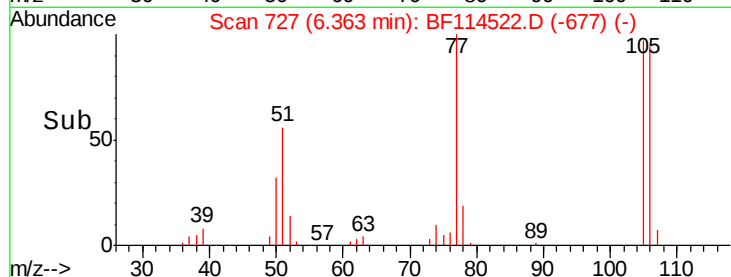
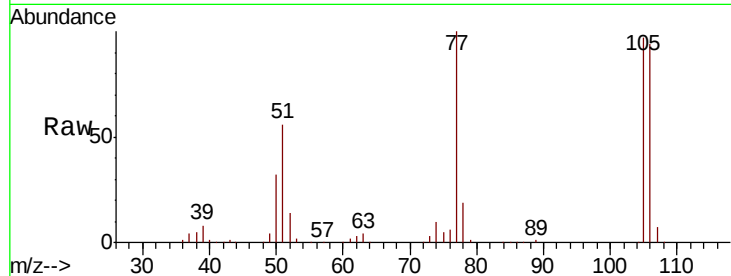
ClientSampleID :

PB119776BS

Tot Ion:	77	Resp:	186085
Ion Ratio	Lower	Upper	
77	100		
105	96.6	79.3	119.3
106	93.7	77.0	117.0

Manual Integrations
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#10

Phenol

Concen: 89.312 ng

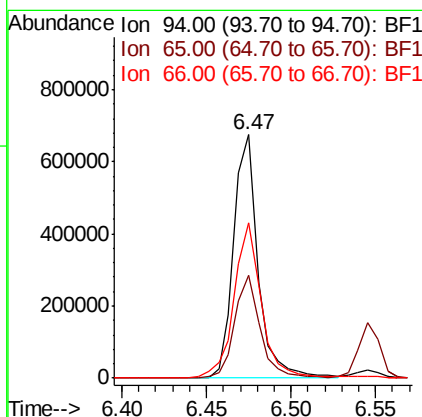
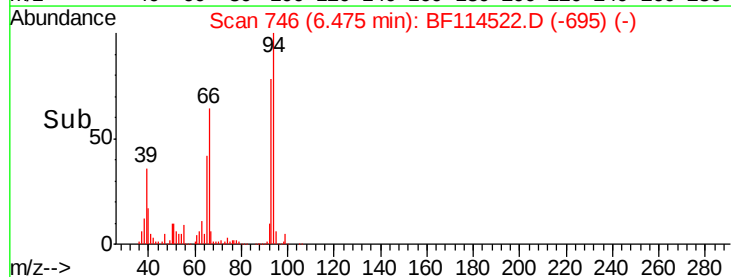
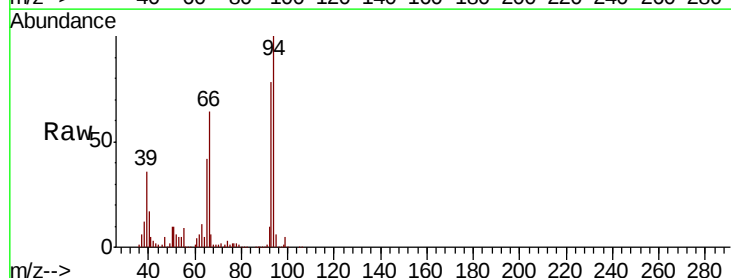
RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

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Tgt Ion:	94	Resp:	679921
Ion Ratio	Lower	Upper	
94	100		
65	42.2	14.7	54.7
66	63.6	29.6	69.6





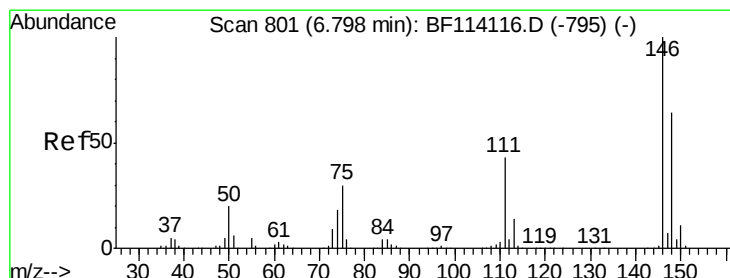
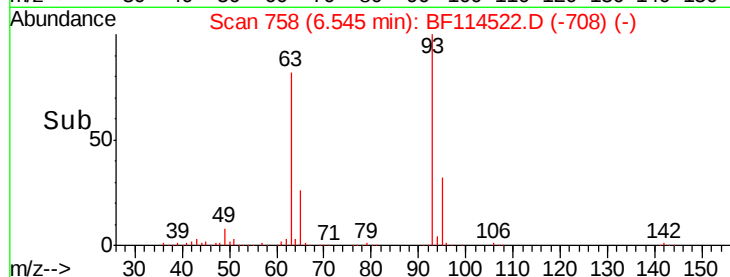
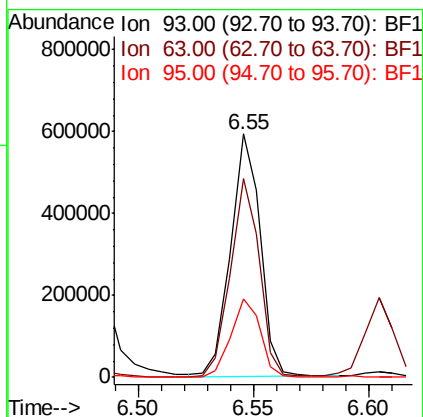
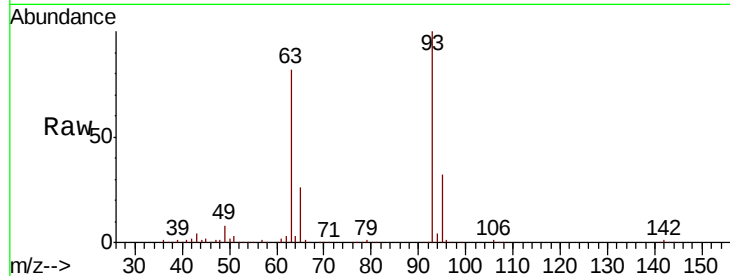
#11
bis(2-Chloroethyl)ether
Concen: 91.238 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.5	63.6	103.6
95	32.4	13.1	53.1

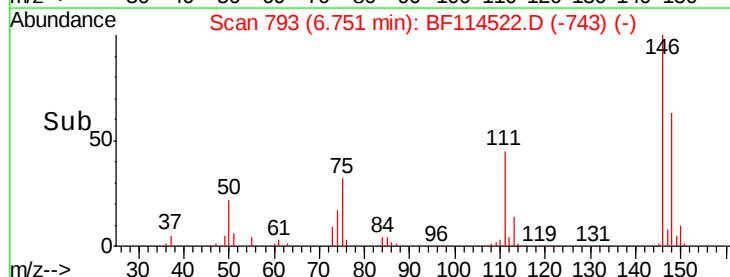
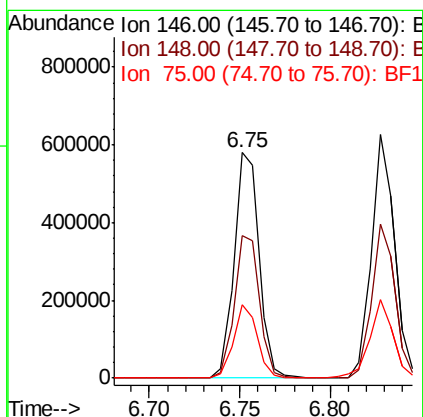
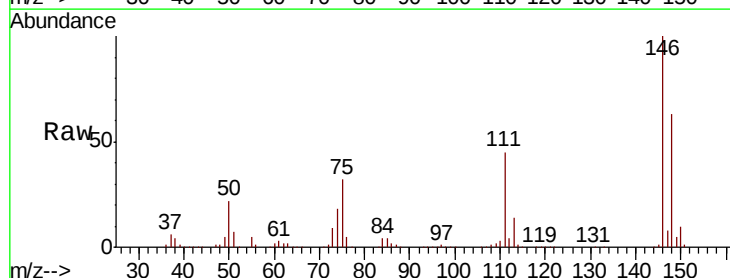
Manual Integrations
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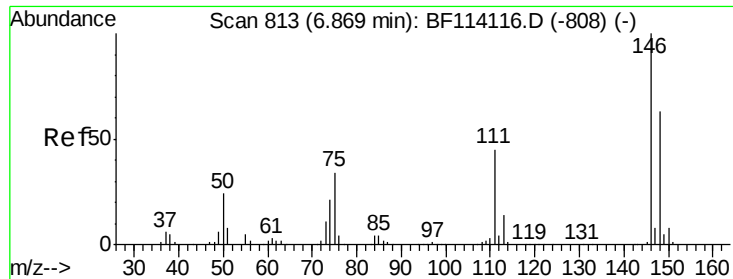
mohammad
5/24/2019 1:36:28 PM



#12
1,3-Dichlorobenzene
Concen: 84.905 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
75	32.4	24.2	36.2





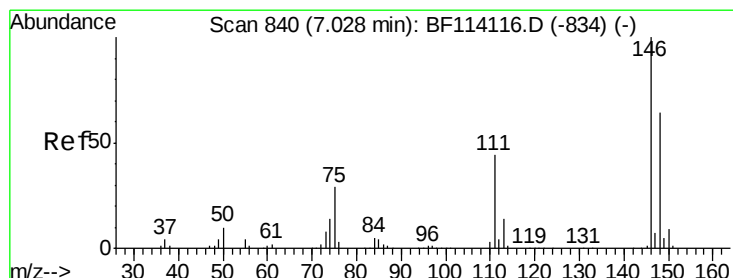
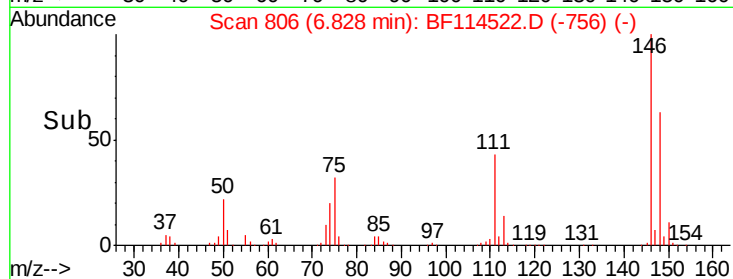
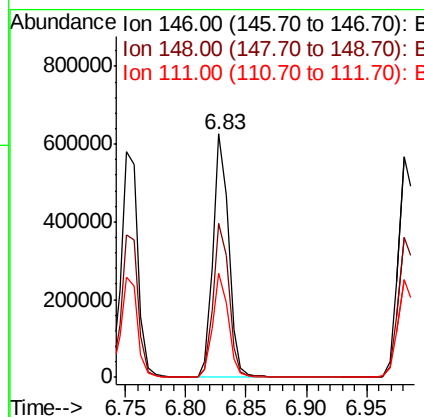
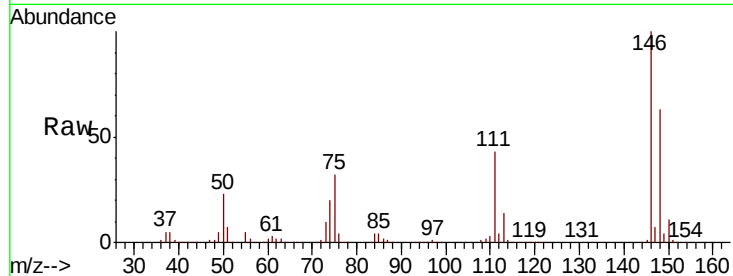
#13
 1,4-Dichlorobenzene
 Concen: 85.335 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	42.6	35.8	53.6

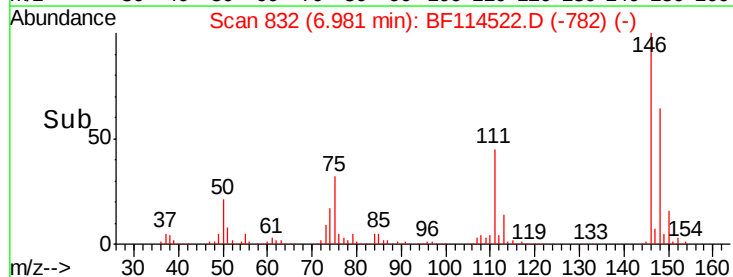
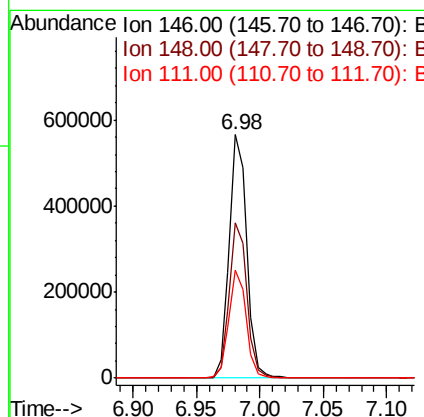
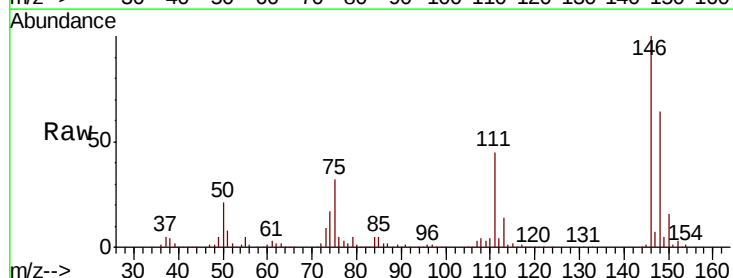
Manual Integrations
 APPROVED

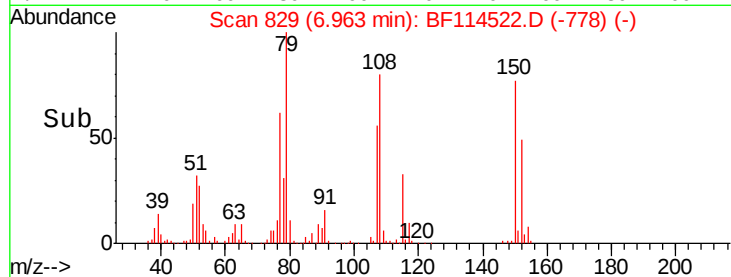
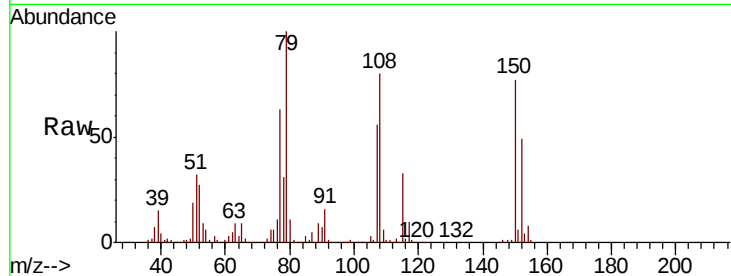
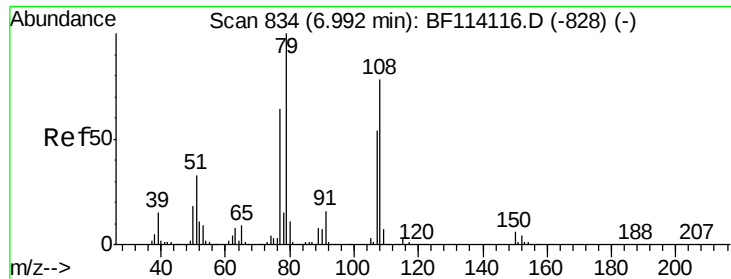
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 89.767 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	44.5	35.3	52.9





#15

Benzyl Alcohol

Concen: 88.786 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tot Ion:	79	Resp:	448133
Ion Ratio	Lower	Upper	
79	100		
108	79.9	62.1	93.1
77	62.6	51.0	76.6

Instrument :

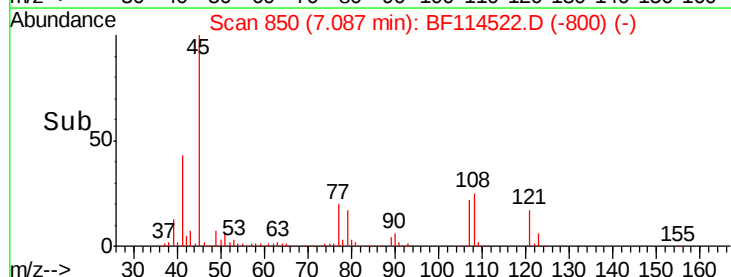
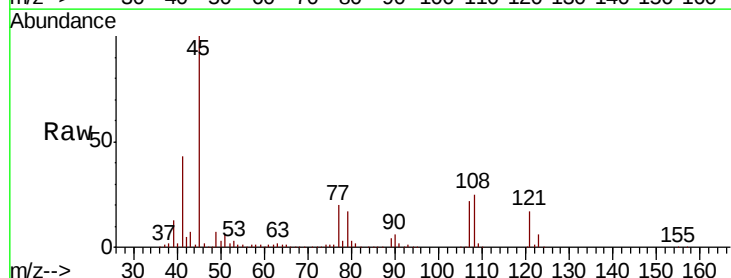
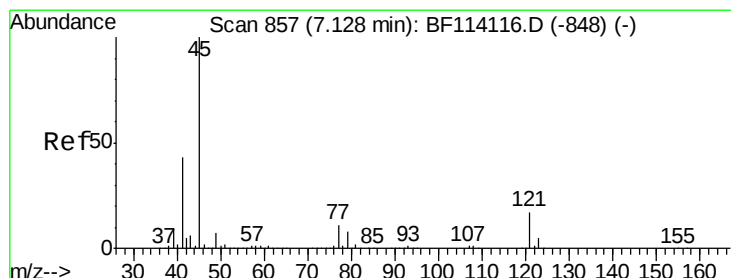
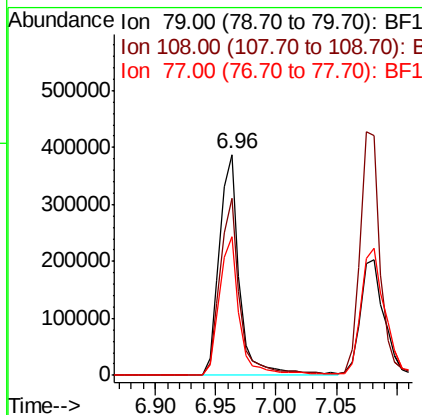
BNA_F

ClientSampled :

PB119776BS

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 84.408 ng

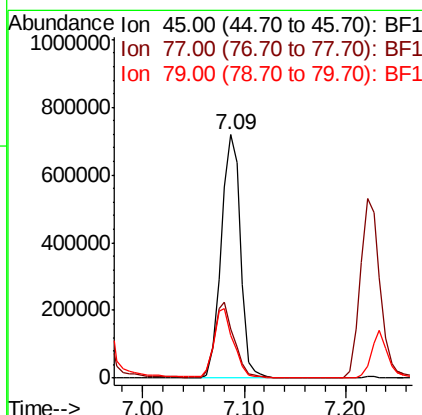
RT: 7.09 min Scan# 850

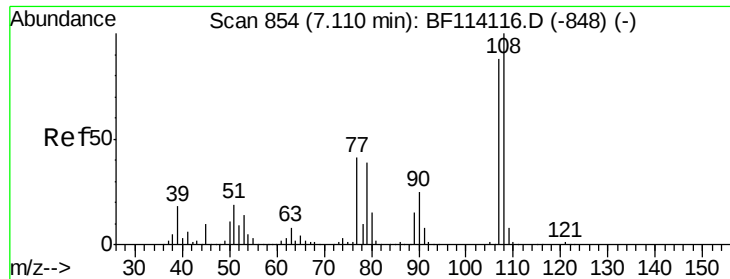
Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	45	Resp:	945896
Ion Ratio	Lower	Upper	
45	100		
77	20.0	0.0	31.1
79	17.4	0.0	28.4





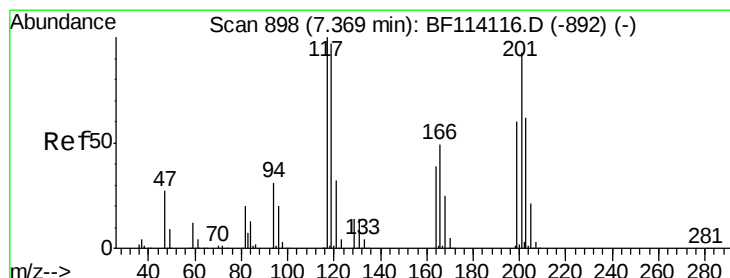
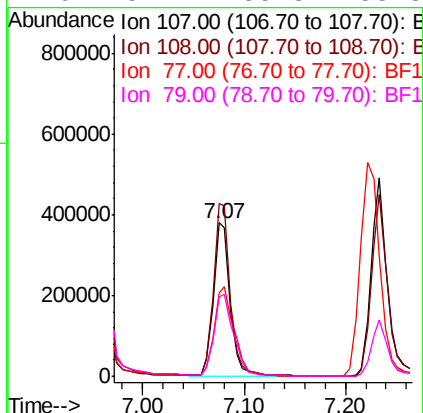
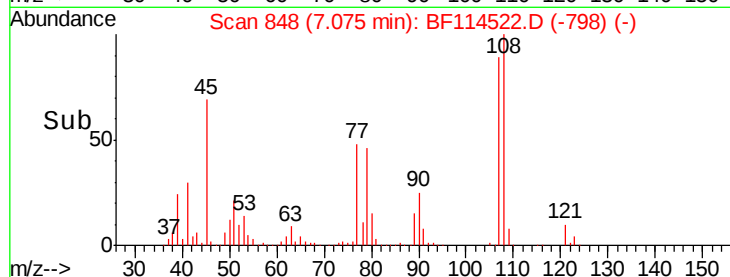
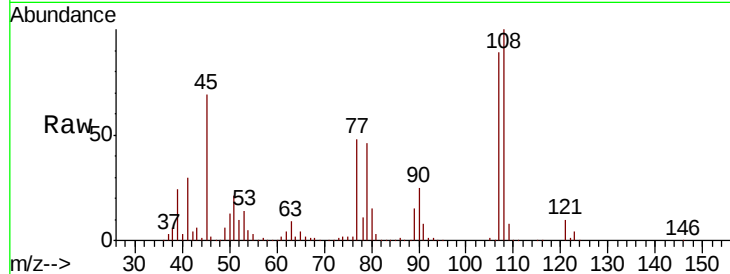
#17
2-Methylphenol
Concen: 90.645 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	112.5	90.5	135.7		
77	54.3	37.0	55.4		
79	51.7	35.8	53.8		

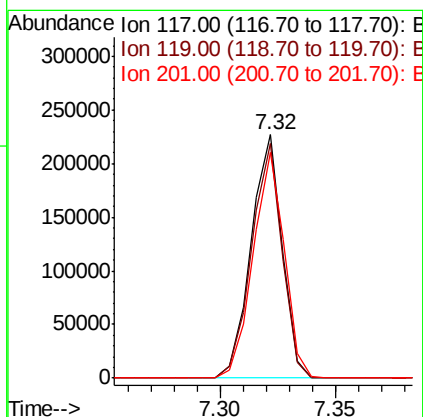
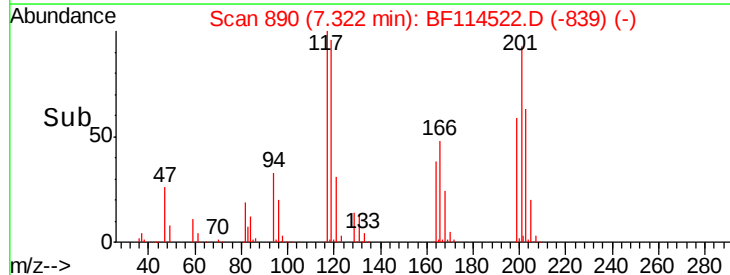
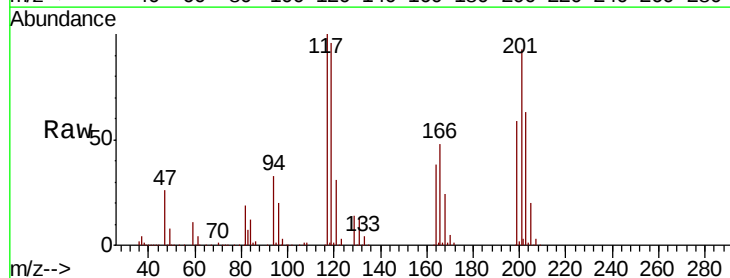
Manual Integrations
APPROVED

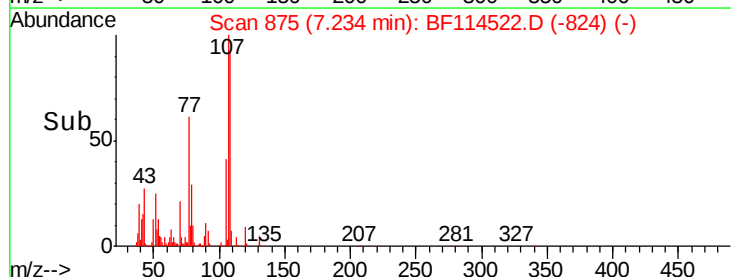
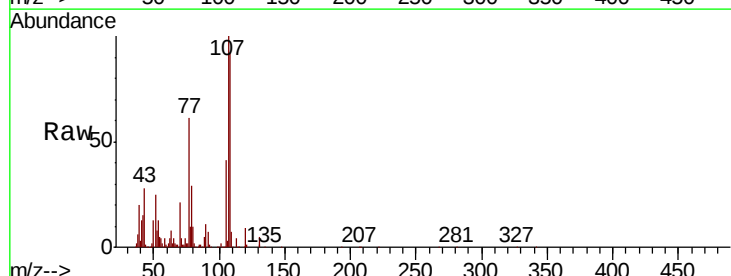
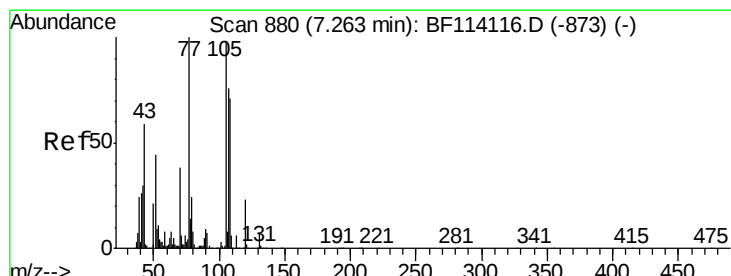
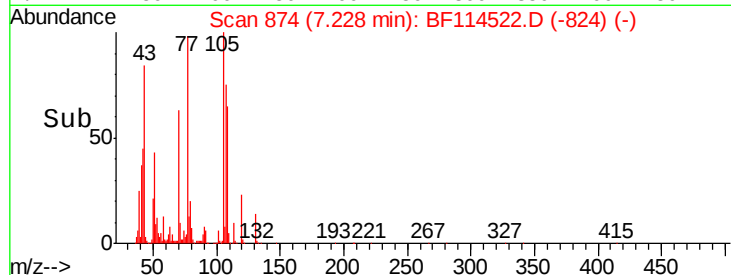
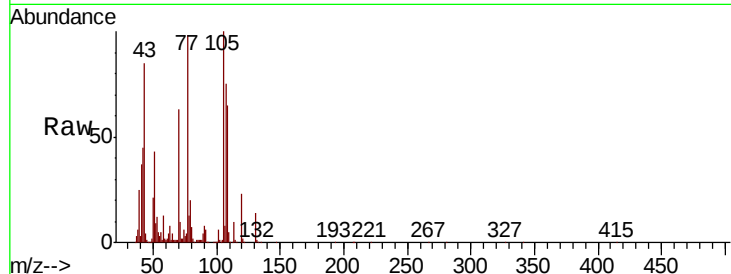
mohammad
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#18
Hexachloroethane
Concen: 85.716 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	96.5	77.4	116.2		
201	92.7	74.5	111.7		





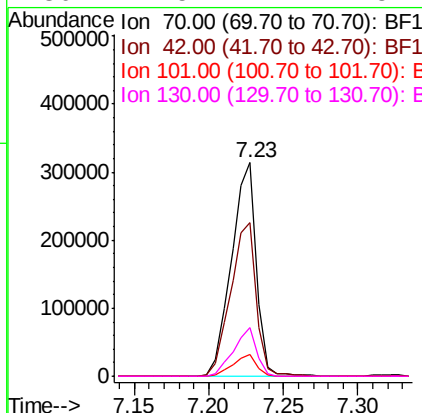
#19
n-Nitroso-di-n-propylamine
Concen: 89.405 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	71.7	58.6	87.8
101	10.0	7.8	11.8
130	22.5	17.1	25.7

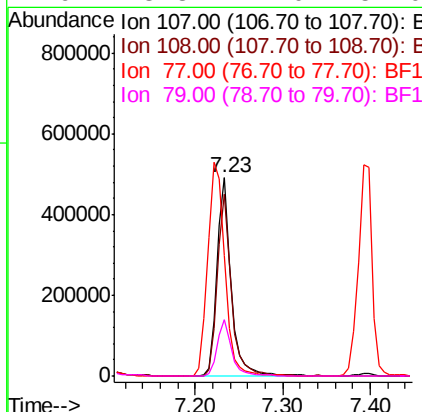
Manual Integrations
APPROVED

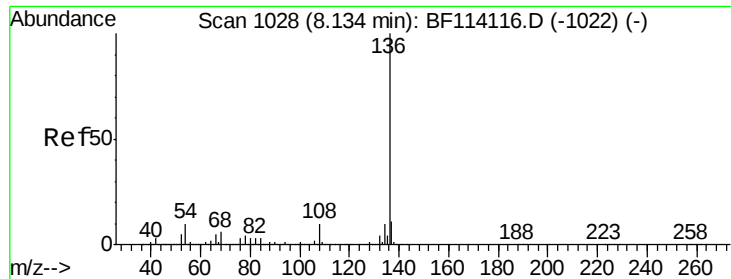
mohammad
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#20
3+4-Methylphenols
Concen: 98.962 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.8	73.8	113.8
77	60.6	111.5	151.5#
79	28.8	12.0	52.0





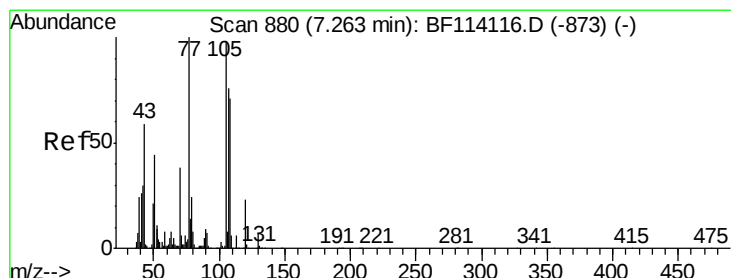
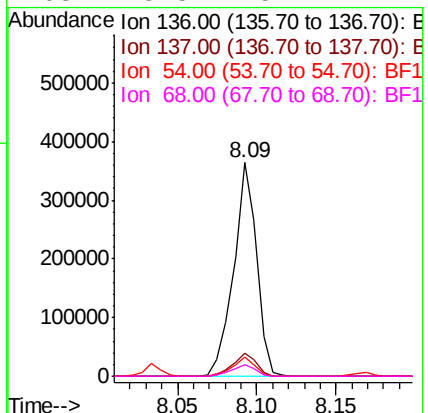
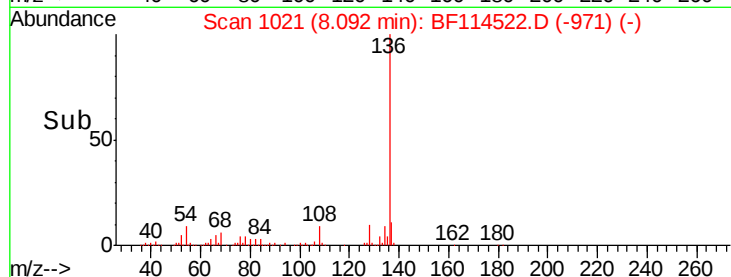
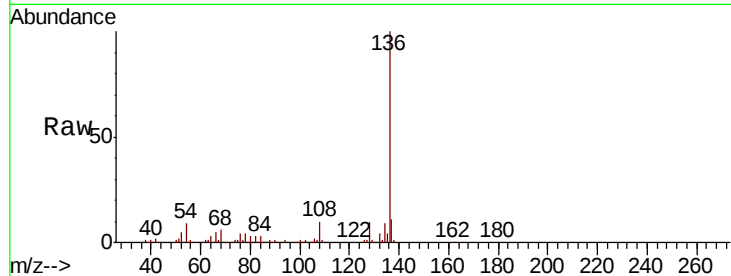
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		364221		
137	10.9		8.8	13.2	
54	8.8		7.8	11.8	
68	5.5		5.1	7.7	

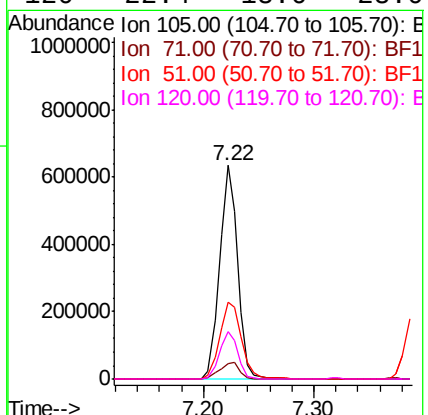
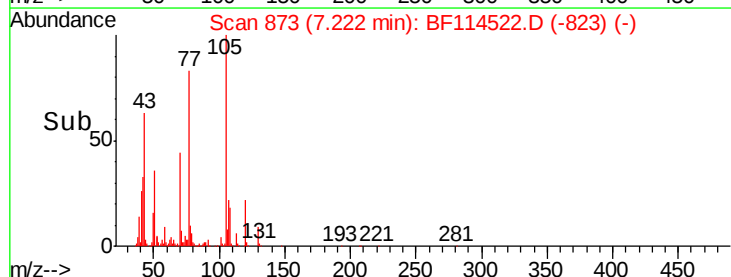
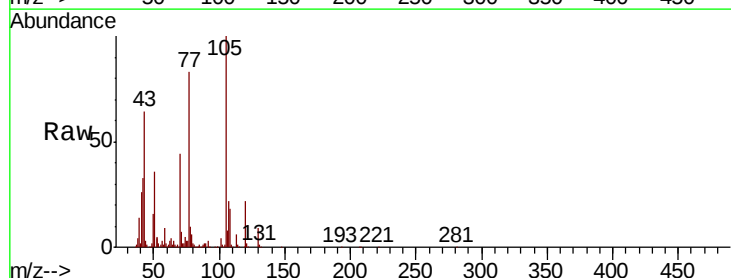
Manual Integrations
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#22
Acetophenone
Concen: 89.184 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		719596		
71	7.4		5.3	7.9	
51	35.9		36.2	54.4	
120	22.4		18.6	28.0	





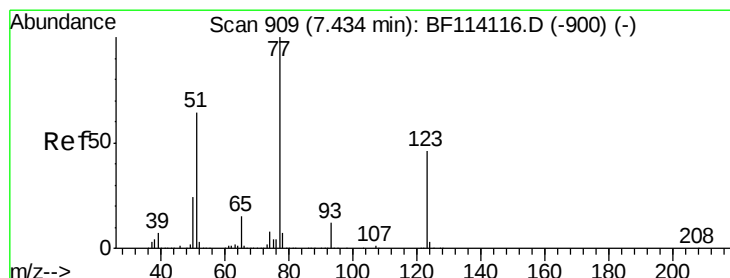
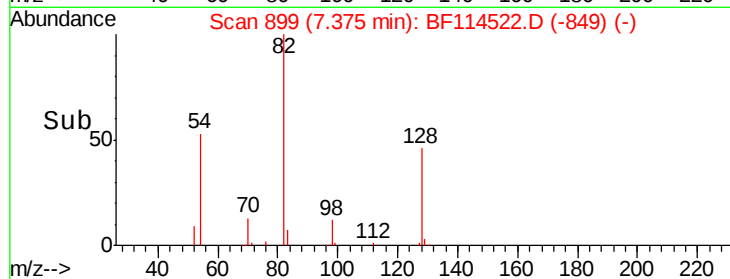
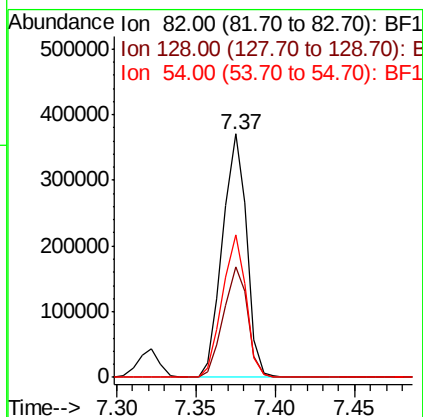
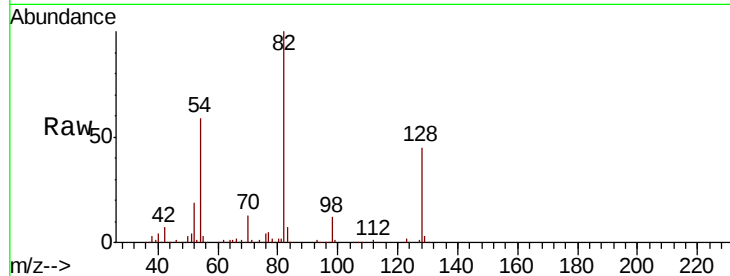
#23
 Nitrobenzene-d5
 Concen: 60.484 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	392543		
128	45.5	35.5	53.3	
54	58.7	48.5	72.7	

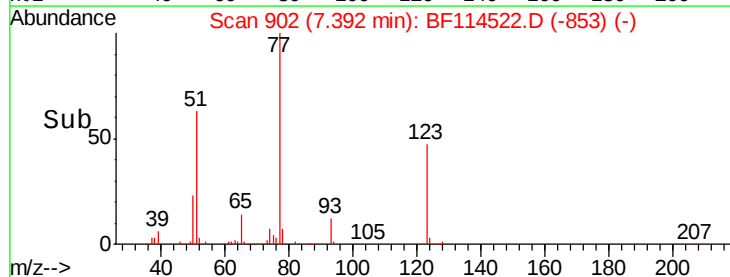
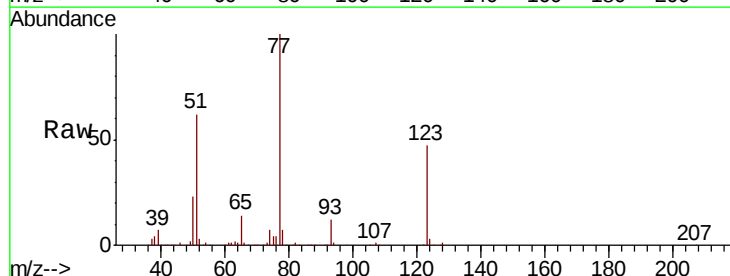
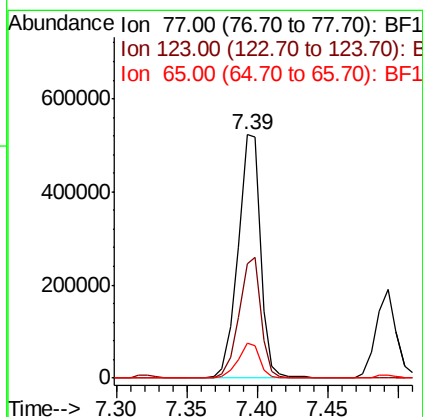
Manual Integrations
 APPROVED

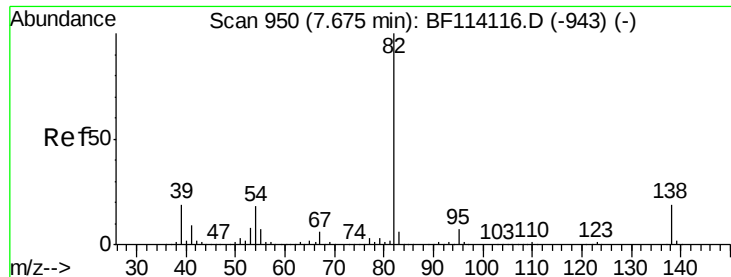
mohammad
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#24
 Nitrobenzene
 Concen: 87.588 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	578971		
123	46.9	36.9	55.3	
65	14.2	11.8	17.6	





#25

Isophorone

Concen: 88.706 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampled :

PB119776BS

Tot Ion: 82 Resp: 1067699

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

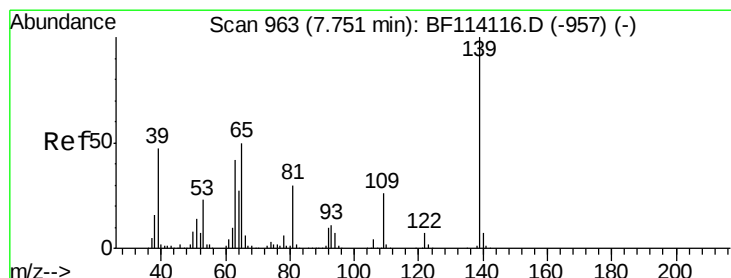
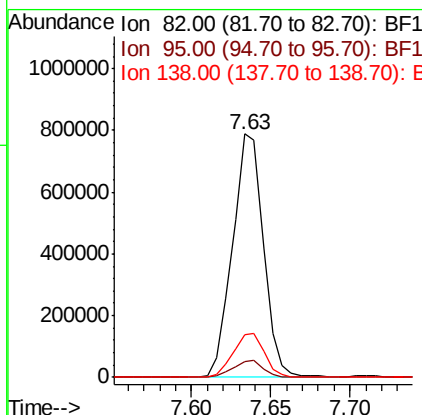
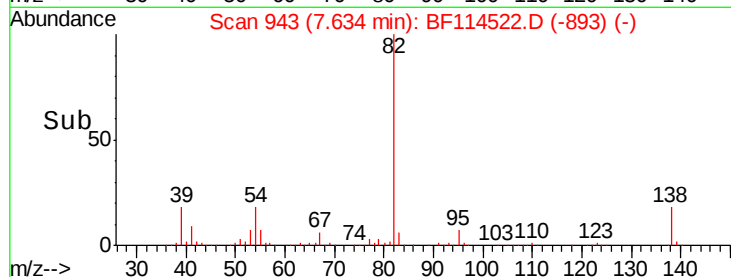
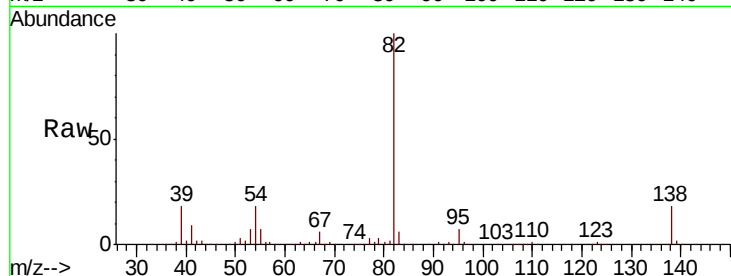
138 17.6 14.8 22.2

Manual Integrations

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#26

2-Nitrophenol

Concen: 92.754 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

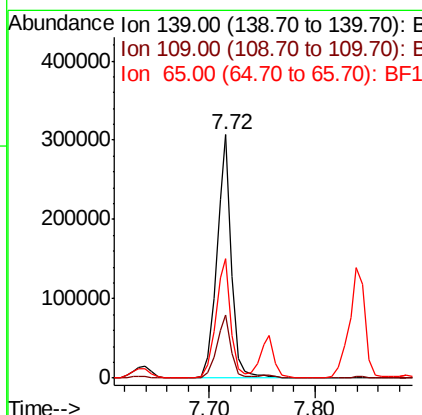
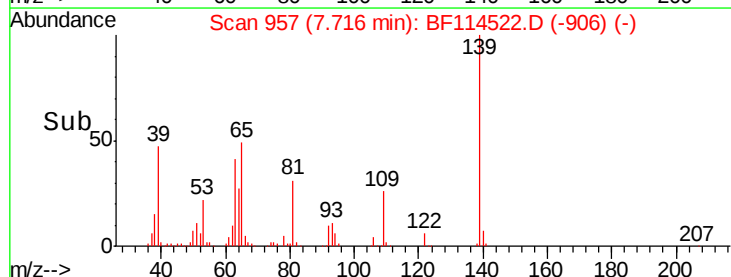
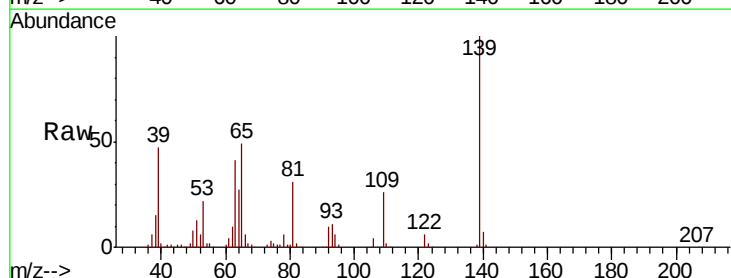
Tgt Ion: 139 Resp: 297463

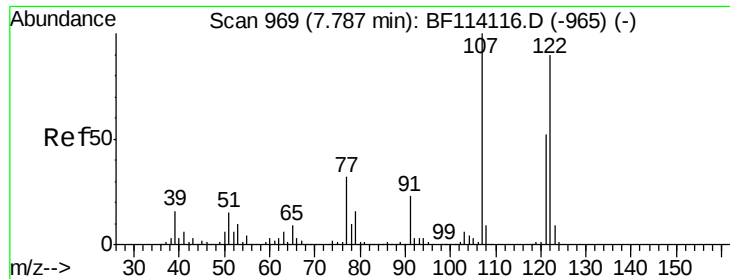
Ion Ratio Lower Upper

139 100

109 26.0 20.7 31.1

65 49.2 40.2 60.2





#27

2,4-Dimethylphenol

Concen: 96.093 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

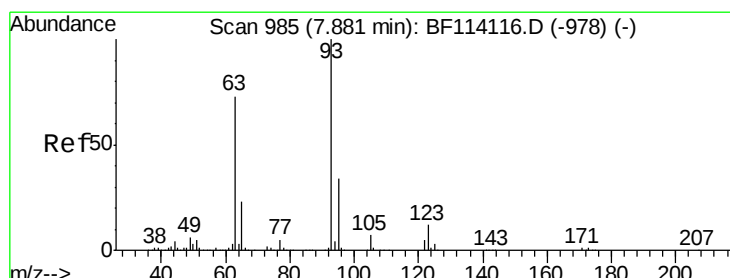
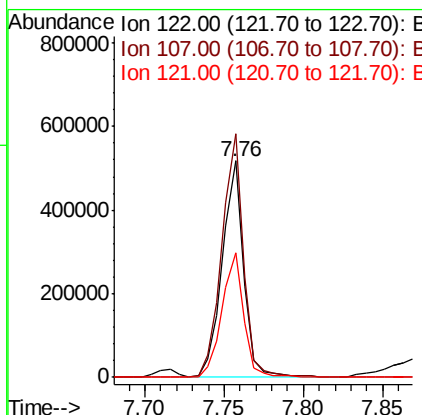
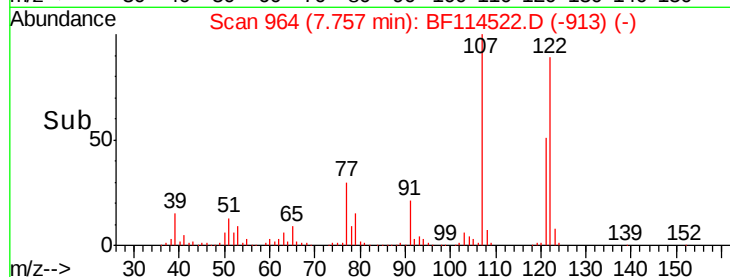
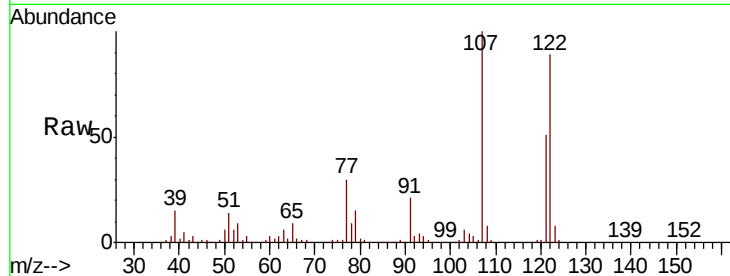
ClientSampleId :

PB119776BS

Tot Ion:	122	Resp:	484008
Ion Ratio	Lower	Upper	
122	100		
107	112.6	88.4	132.6
121	57.8	45.9	68.9

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#28

bis(2-Chloroethoxy)methane

Concen: 86.225 ng

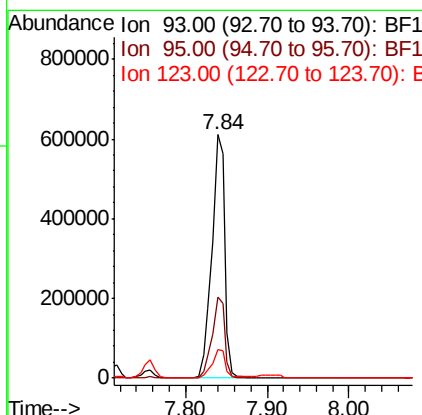
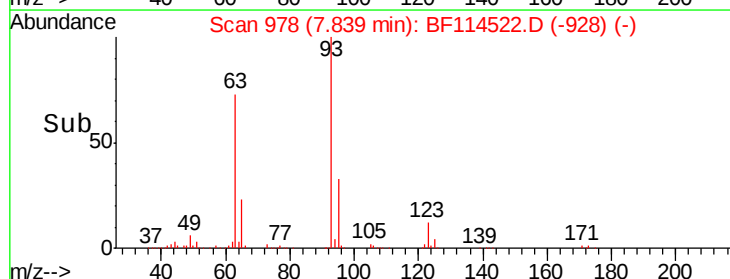
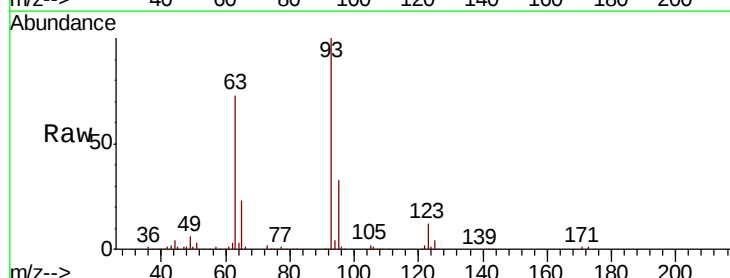
RT: 7.84 min Scan# 978

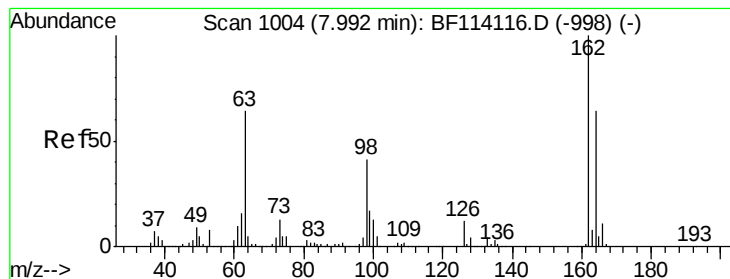
Delta R.T. -0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	93	Resp:	673395
Ion Ratio	Lower	Upper	
93	100		
95	33.5	26.8	40.2
123	11.7	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 91.666 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

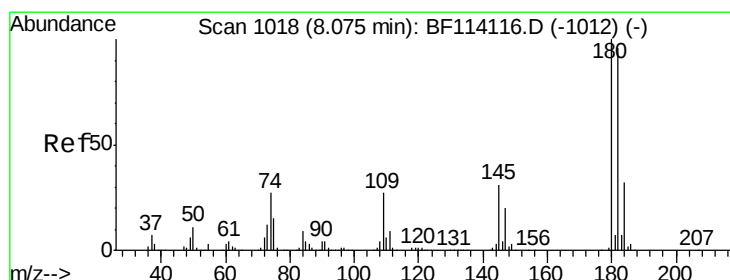
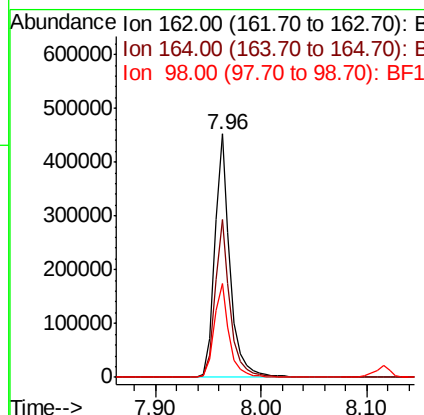
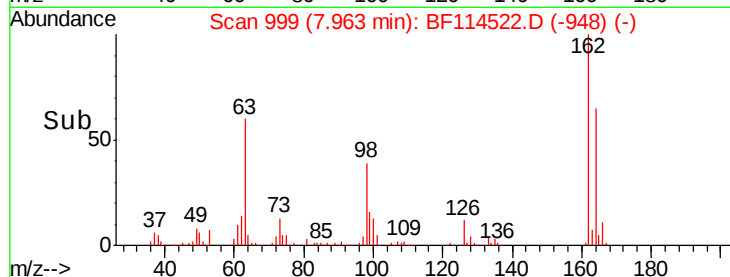
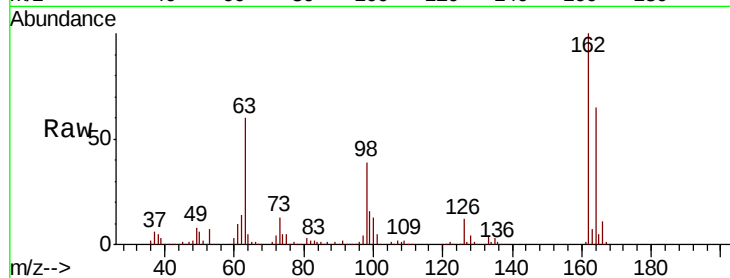
ClientSampleId :

PB119776BS

Tot Ion:	162	Resp:	459752
Ion Ratio	Lower	Upper	
162	100		
164	64.7	43.6	83.6
98	38.7	20.6	60.6

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#30

1,2,4-Trichlorobenzene

Concen: 84.406 ng

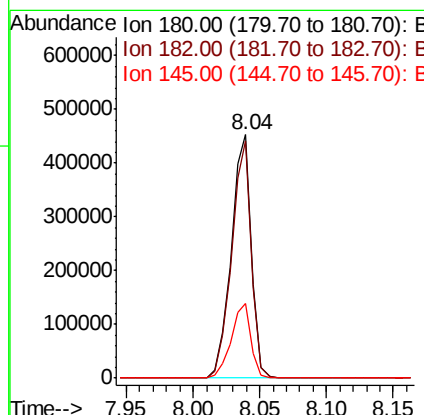
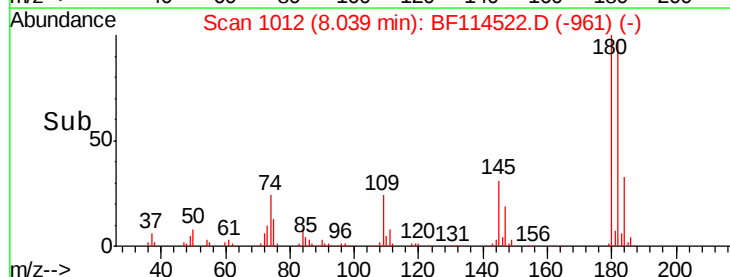
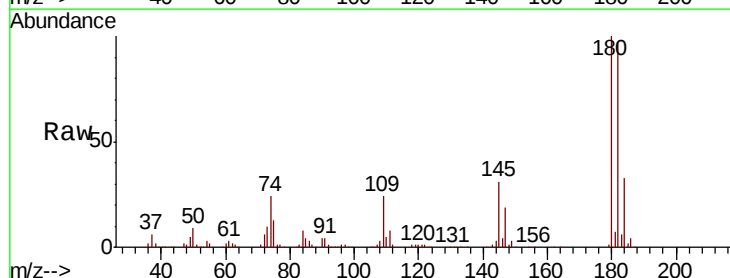
RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	180	Resp:	481389
Ion Ratio	Lower	Upper	
180	100		
182	97.3	76.6	114.8
145	30.5	25.1	37.7





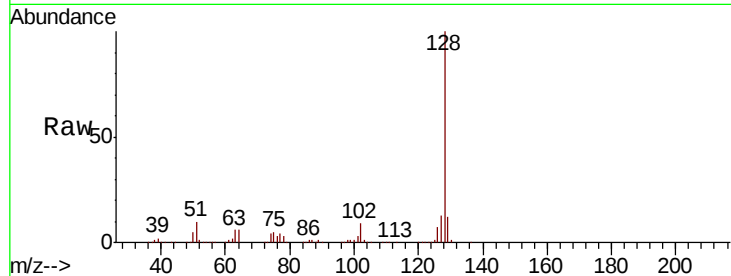
#31
Naphthalene
Concen: 91.387 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.4	11.3	16.9

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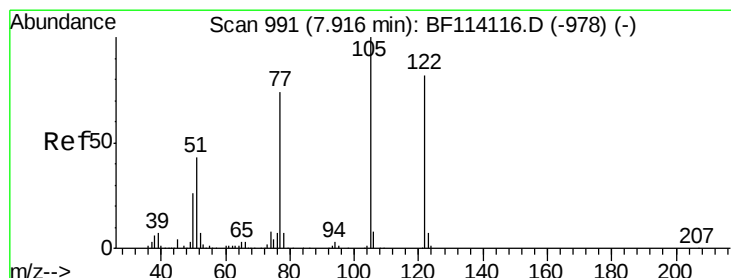
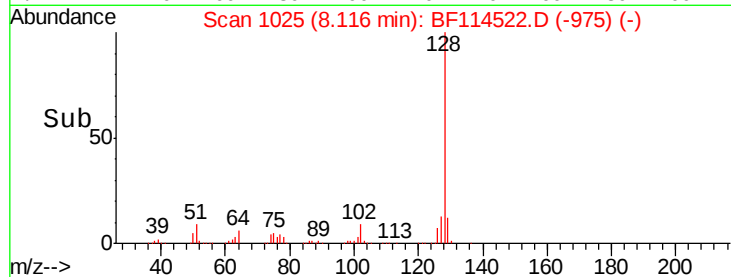
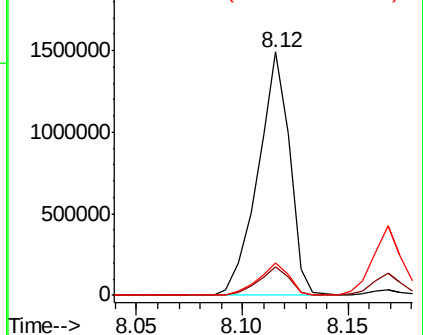


Abundance

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: 77.963 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

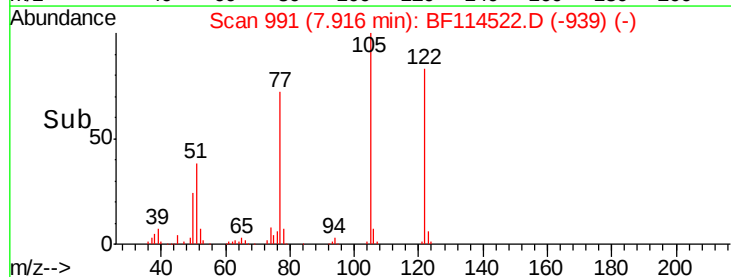
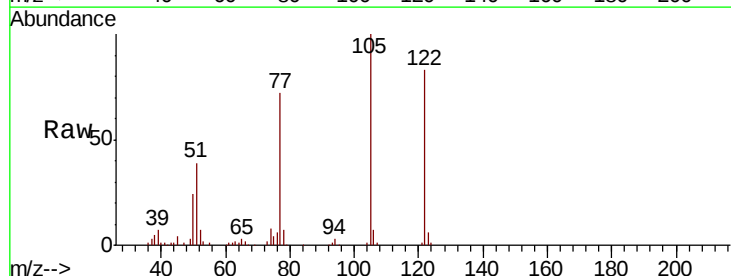
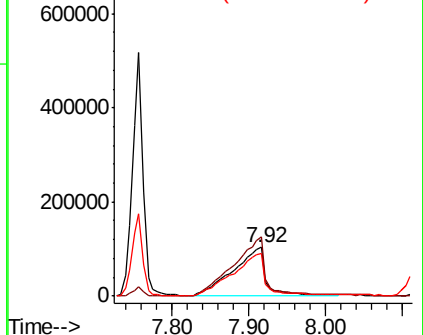
Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.2	99.9	139.9
77	87.4	69.4	109.4

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





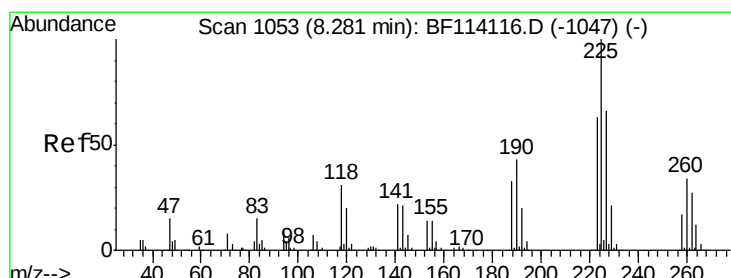
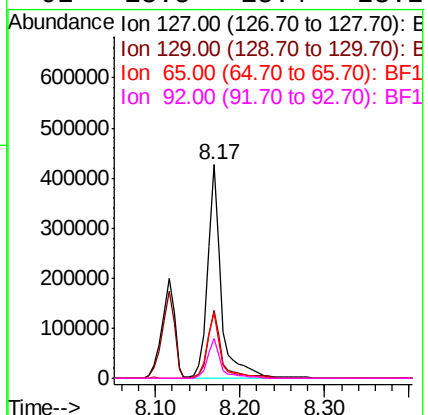
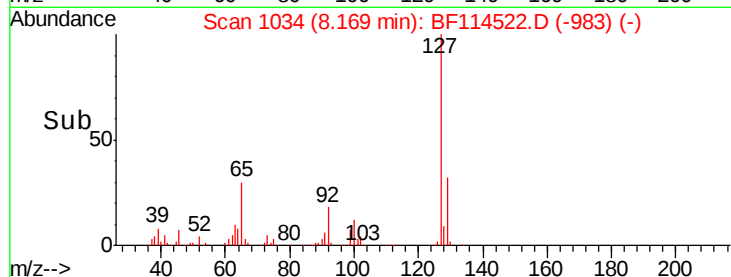
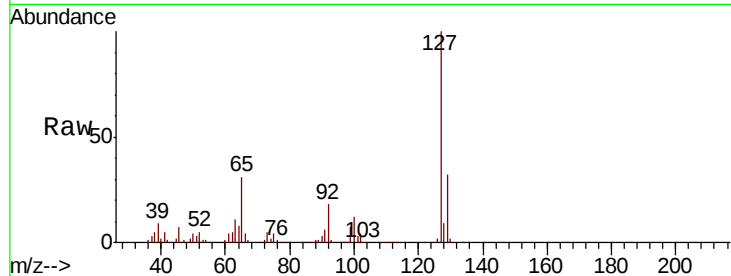
#33
4-Chloroaniline
Concen: 61.178 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		474307		
129	31.9	26.7	40.1		
65	30.6	25.4	38.0		
92	18.5	15.4	23.2		

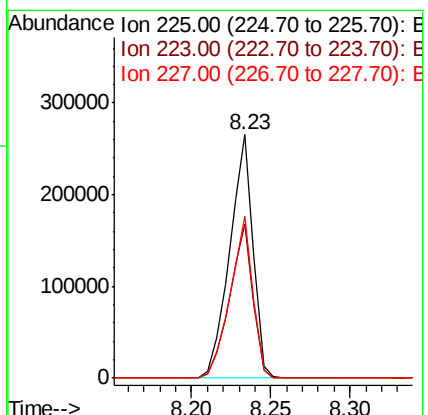
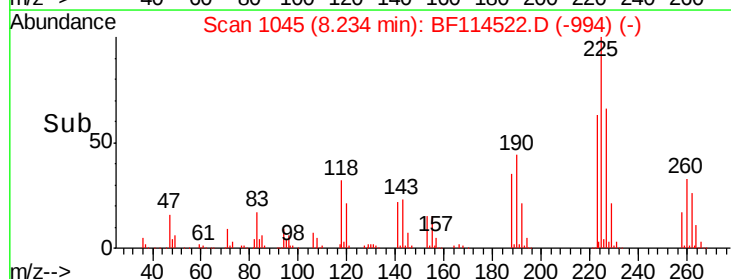
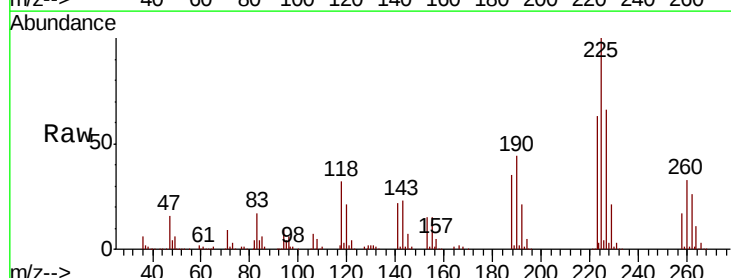
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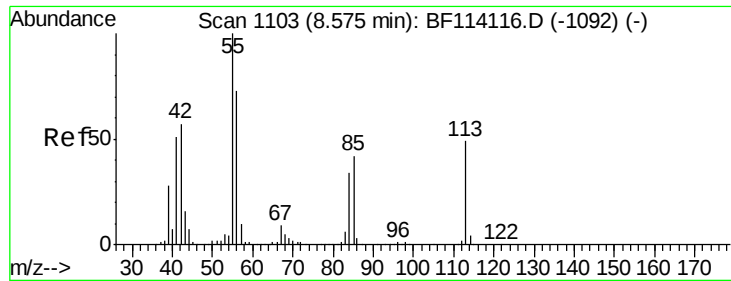
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#34
Hexachlorobutadiene
Concen: 83.081 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		269605		
223	63.4	50.2	75.2		
227	66.2	52.6	79.0		





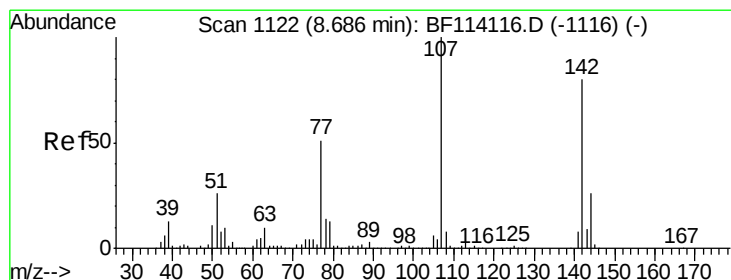
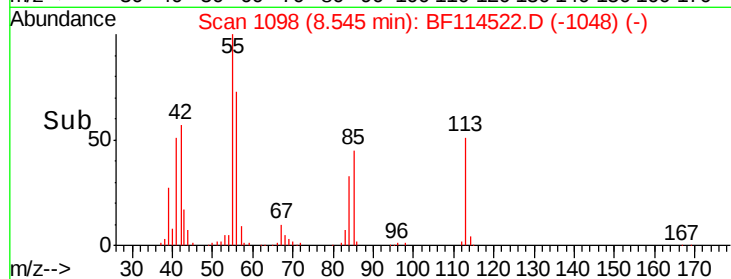
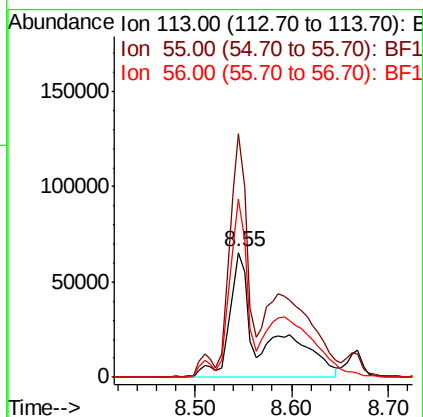
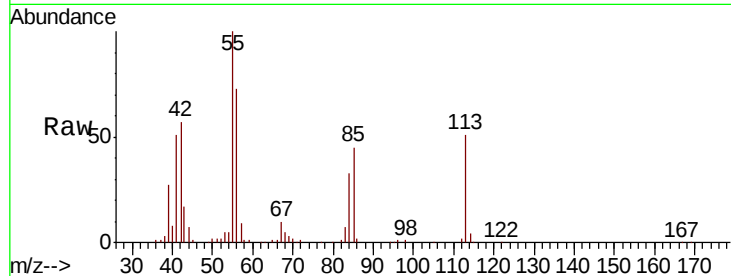
#35
Caprolactam
Concen: 98.879 ng/ml
RT: 8.55 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	195.3	183.5	223.5
56	143.1	128.8	168.8

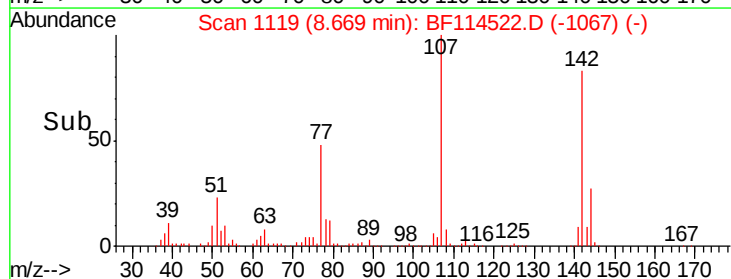
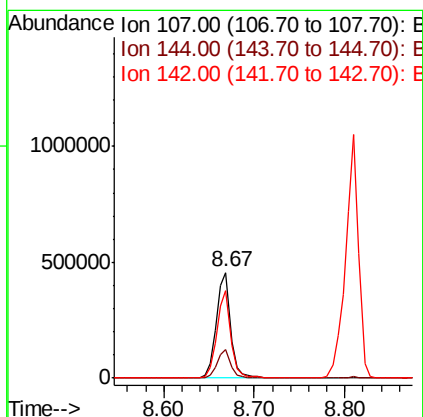
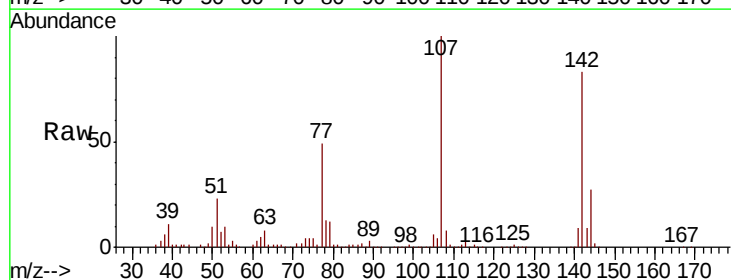
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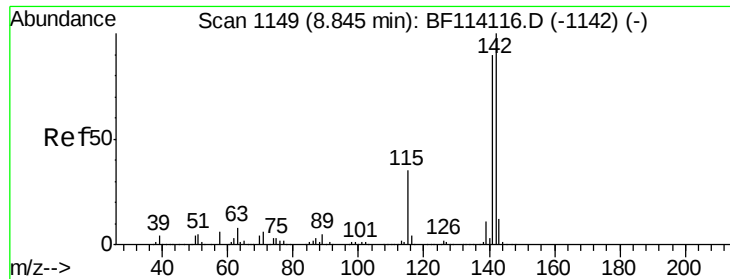
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 98.204 ng/ml
RT: 8.67 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.4	30.6
142	82.8	64.2	96.4





#37

2-Methylnaphthalene

Concen: 96.511 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampled :

PB119776BS

Tot Ion:142 Resp: 1059393

Ion Ratio Lower Upper

142 100

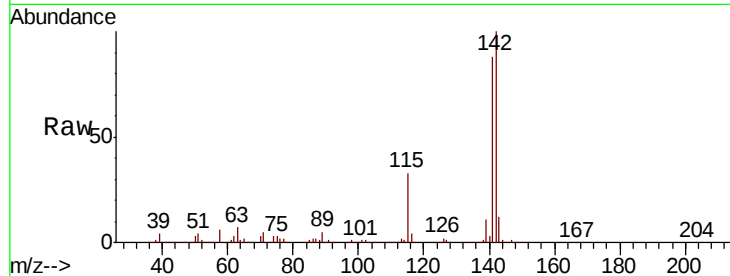
141 88.0 72.1 108.1

115 33.4 28.0 42.0

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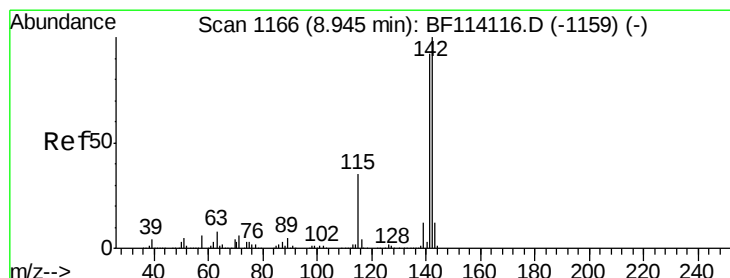
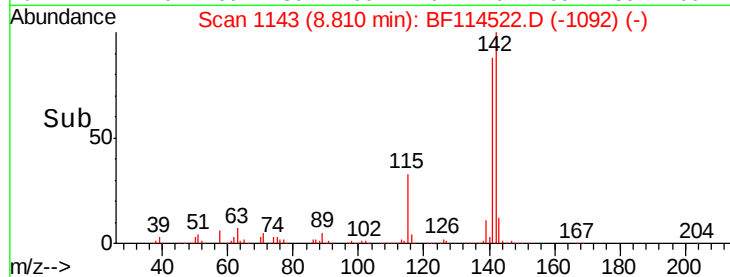
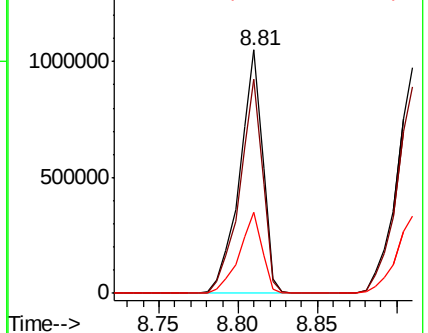
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 95.788 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

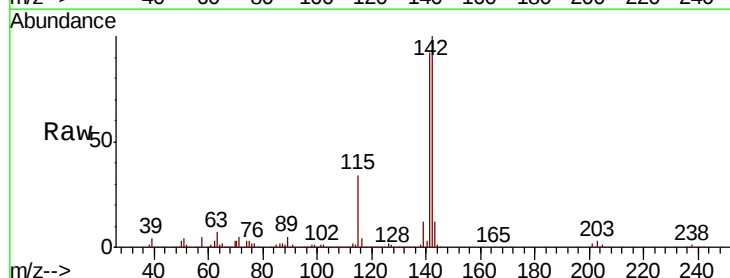
Tgt Ion:142 Resp: 990181

Ion Ratio Lower Upper

142 100

141 91.7 73.4 110.0

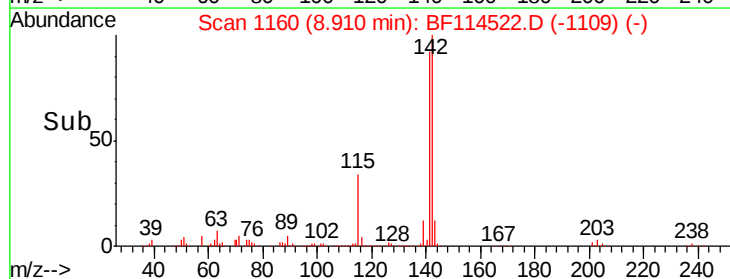
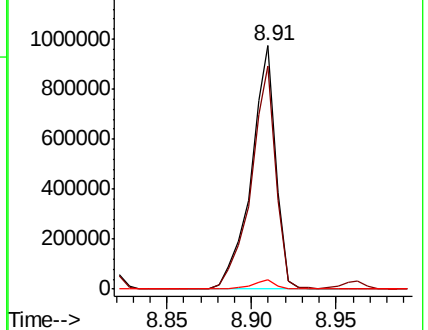
116 3.6 3.1 4.7

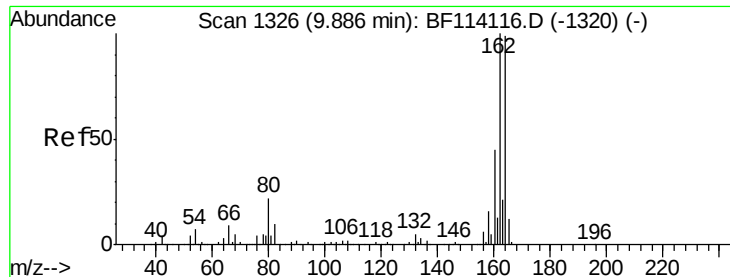


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





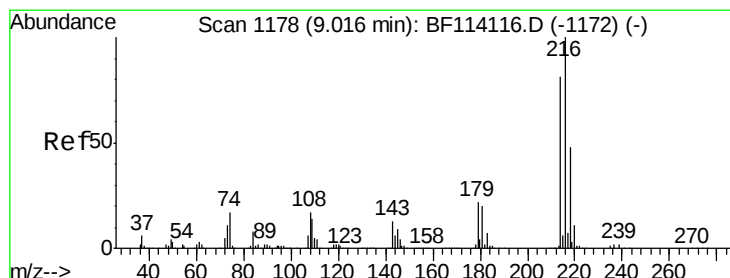
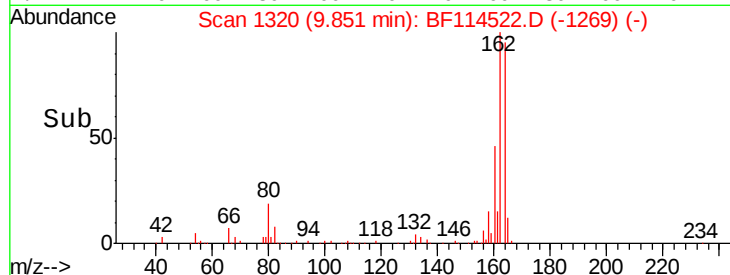
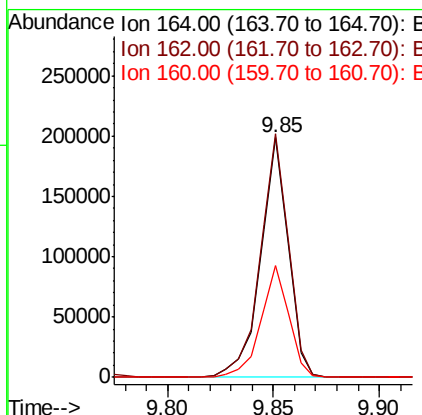
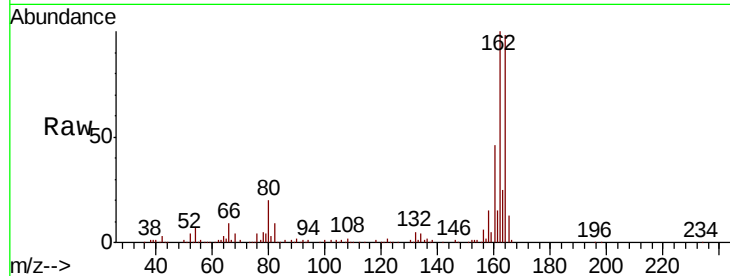
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampled :
PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	80.6	120.8	
160	46.8	36.5	54.7	

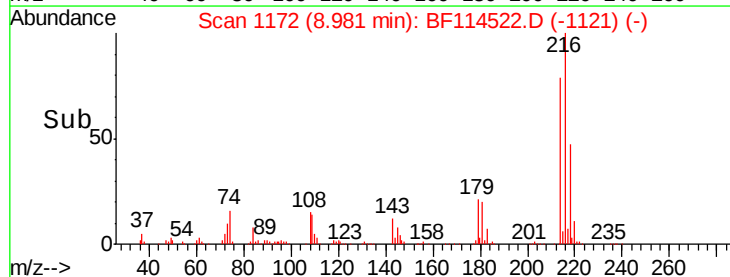
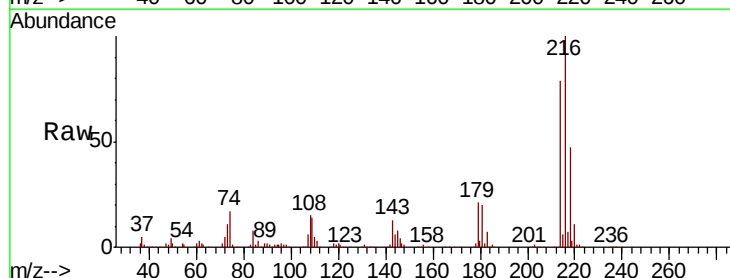
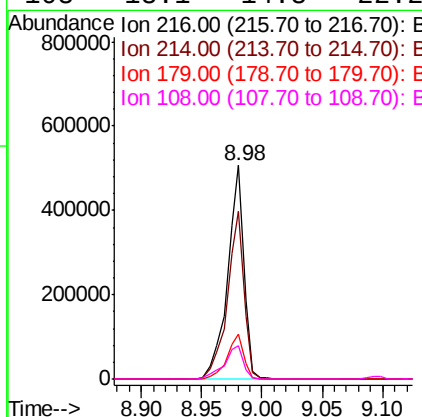
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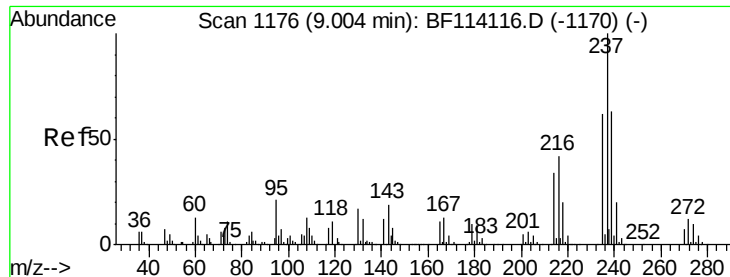
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 86.486 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.8	63.9	95.9	
179	21.1	17.0	25.6	
108	18.1	14.8	22.2	





#41

Hexachlorocyclopentadiene

Concen: 85.253 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

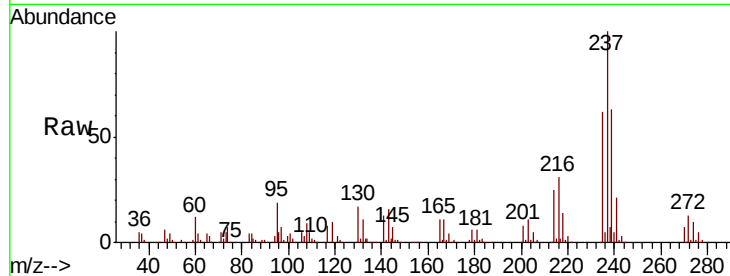
ClientSampleId :

PB119776BS

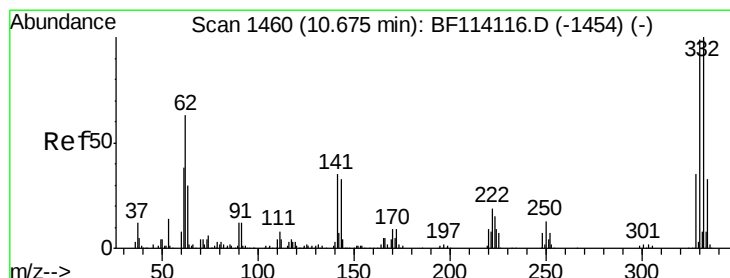
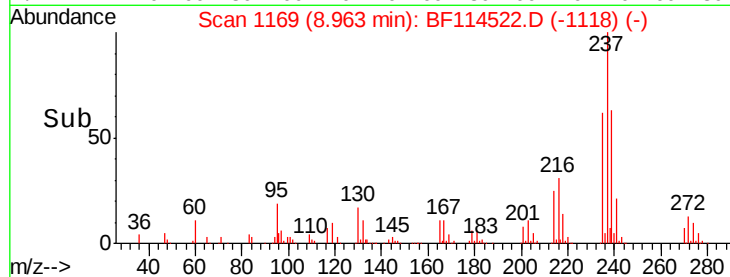
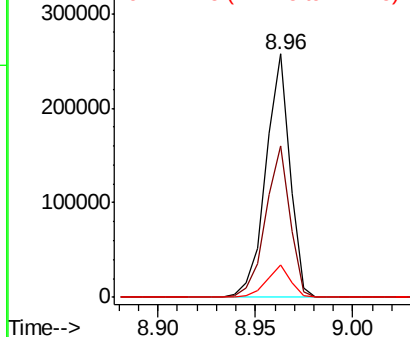
Tot Ion:	237	Resp:	219580
Ion Ratio	Lower	Upper	
237	100		
235	62.0	42.0	82.0
272	13.4	0.0	32.4

Manual Integrations
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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: 103.210 ng

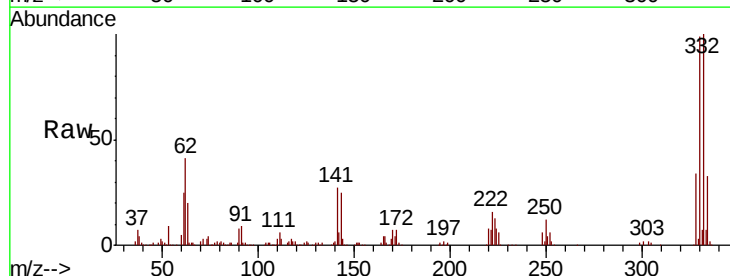
RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

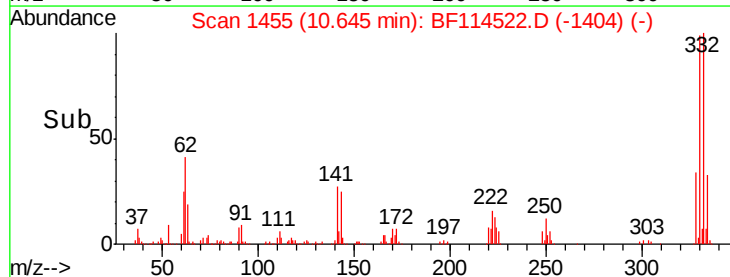
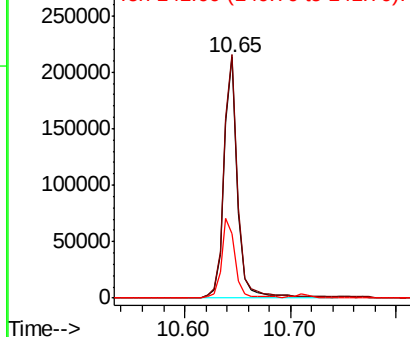
Lab File: BF114522.D

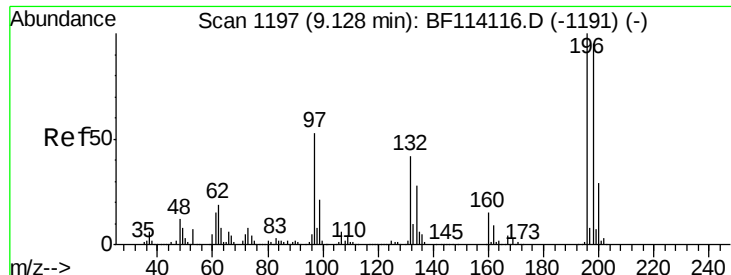
Acq: 23 May 2019 13:26

Tgt Ion:	330	Resp:	194054
Ion Ratio	Lower	Upper	
330	100		
332	102.0	81.4	122.2
141	33.6	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





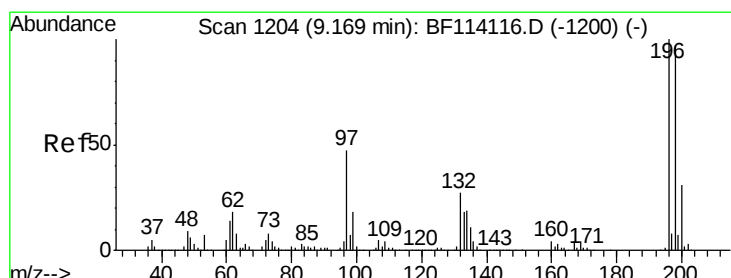
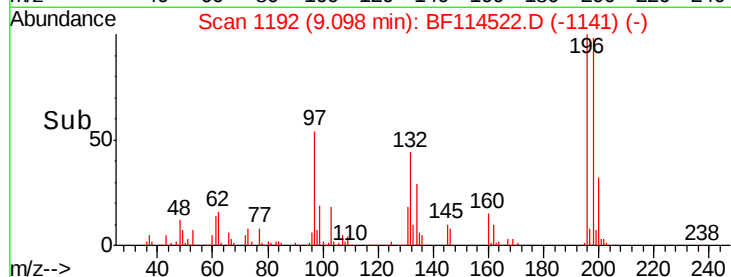
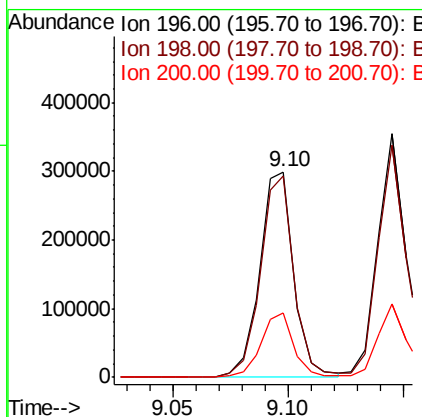
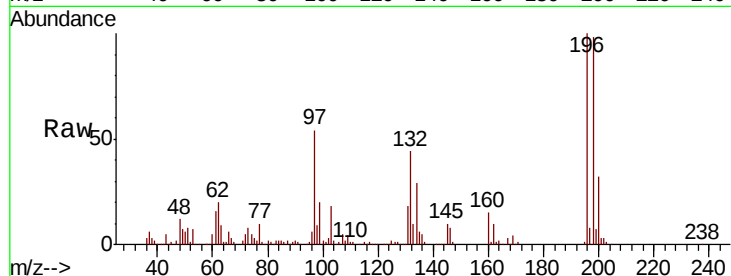
#43
 2,4,6-Trichlorophenol
 Concen: 81.268 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	307952		
198	98.2	75.9	113.9	
200	31.5	23.5	35.3	

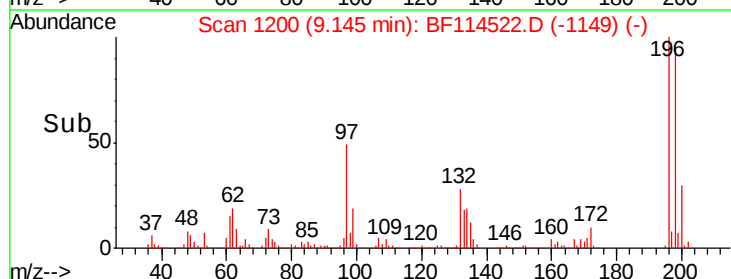
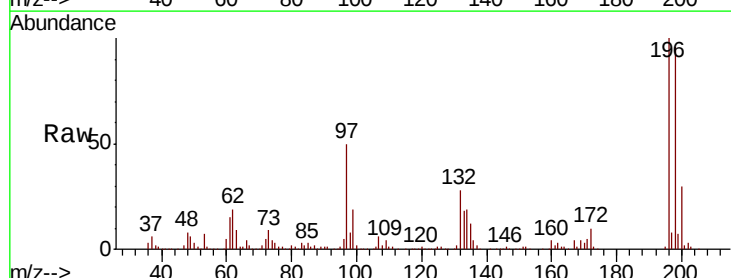
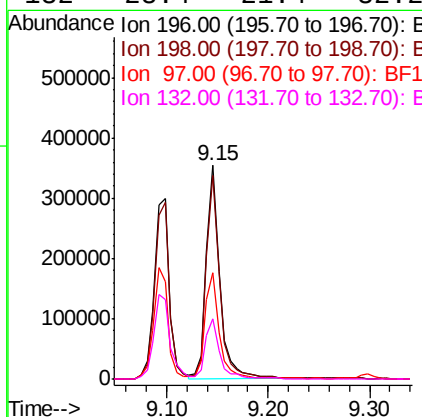
Manual Integrations
 APPROVED

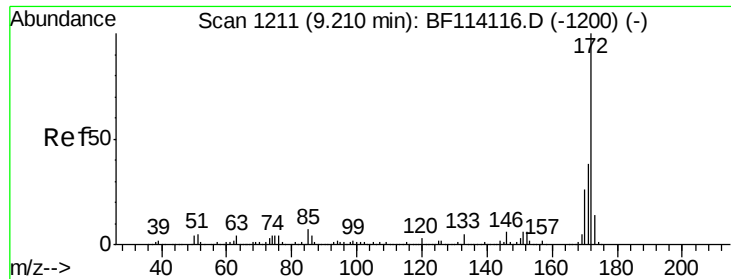
mohammad
 5/24/2019 1:36:28 PM



#44
 2,4,5-Trichlorophenol
 Concen: 85.543 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	332430		
198	95.6	77.7	116.5	
97	49.5	38.2	57.2	
132	28.4	21.4	32.2	





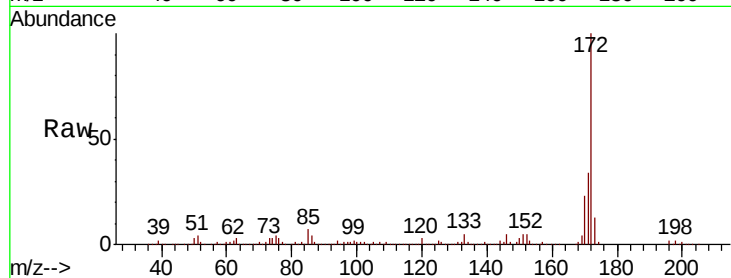
#45
2-Fluorobiphenyl
Concen: 65.302 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
172	100	785116		
171	34.2		30.7	46.1
170	22.8		20.5	30.7

Manual Integrations
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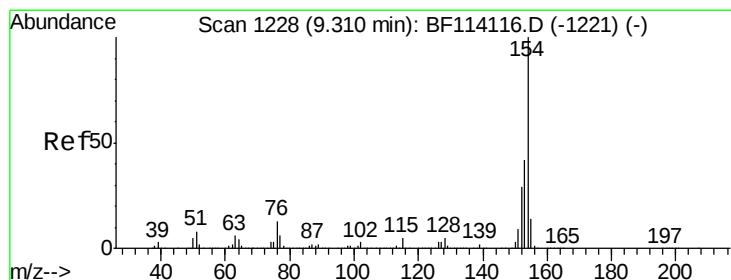
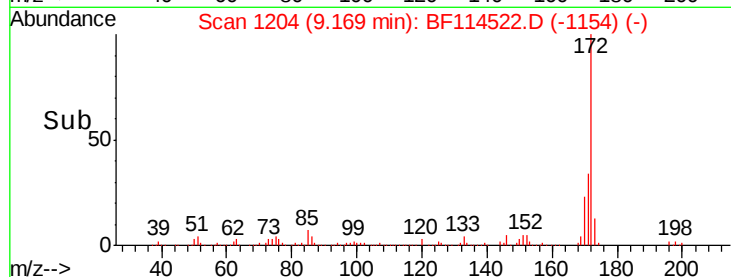
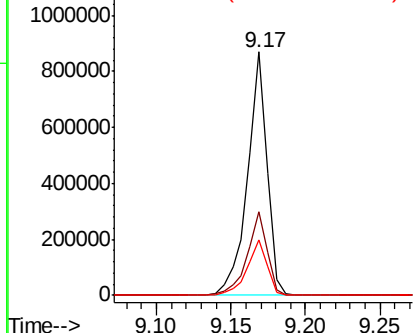


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 87.217 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

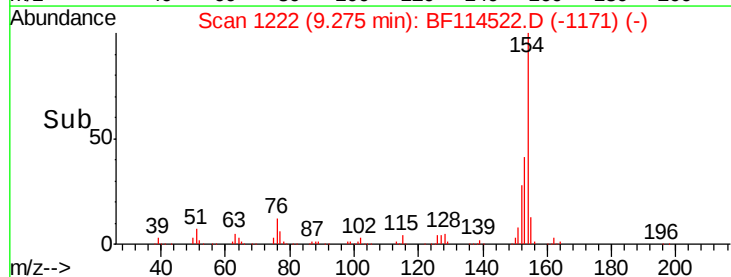
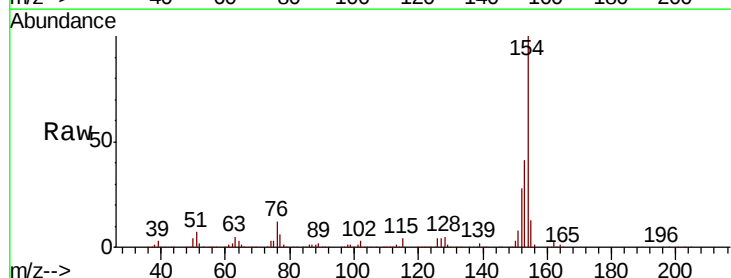
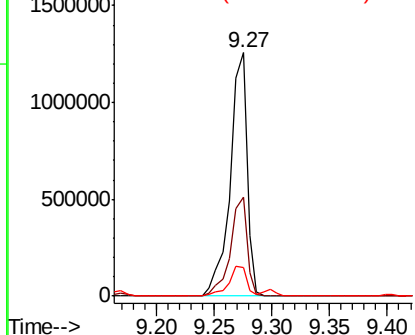
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1281413		
153	40.6		21.9	61.9
76	11.6		0.0	32.8

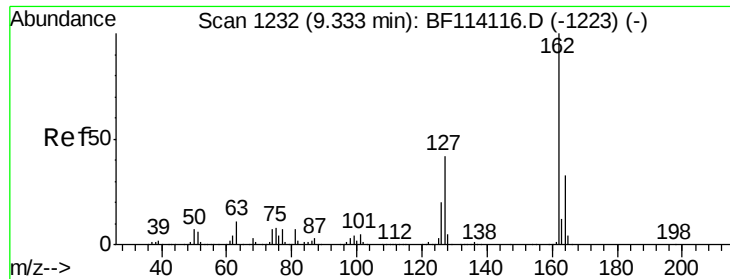
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





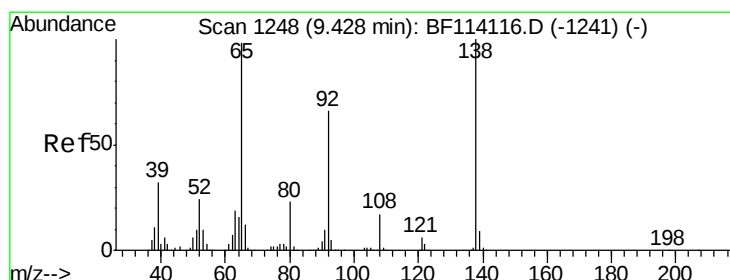
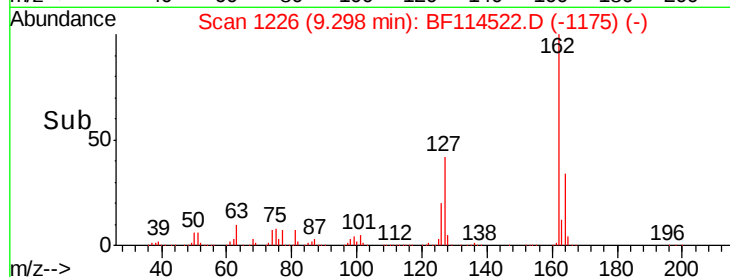
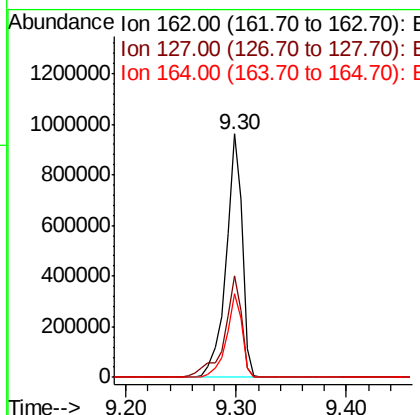
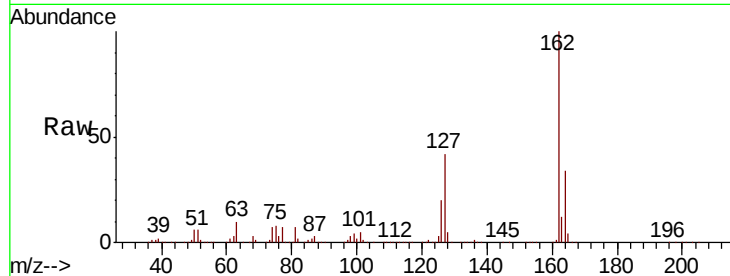
#47
 2-Chloronaphthalene
 Concen: 82.771 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion:	162	Resp:	978700
Ion Ratio	Lower	Upper	
162	100		
127	41.6	34.0	51.0
164	34.1	26.7	40.1

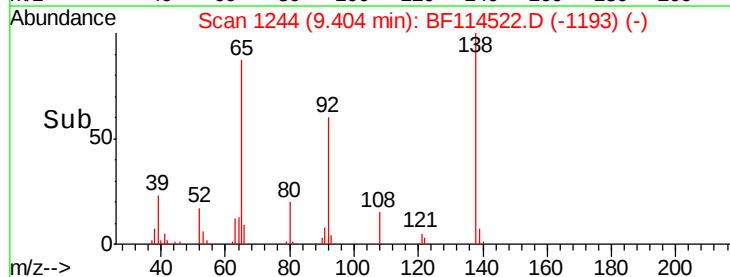
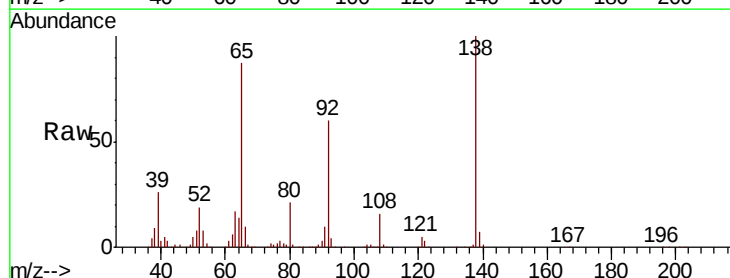
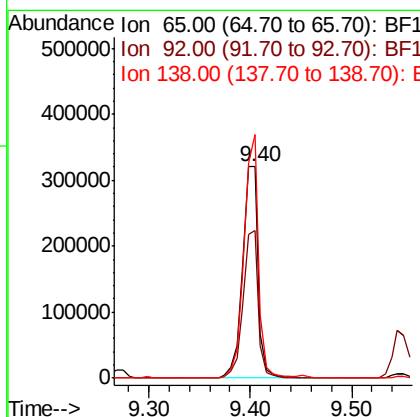
Manual Integrations
 APPROVED

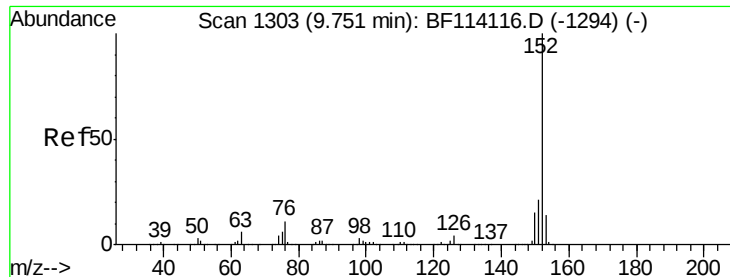
mohammad
 5/24/2019 1:36:28 PM



#48
 2-Nitroaniline
 Concen: 81.474 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion:	65	Resp:	341656
Ion Ratio	Lower	Upper	
65	100		
92	69.6	53.9	80.9
138	115.2	81.4	122.0





#49

Acenaphthylene

Concen: 86.832 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:152 Resp: 1561588

Ion Ratio Lower Upper

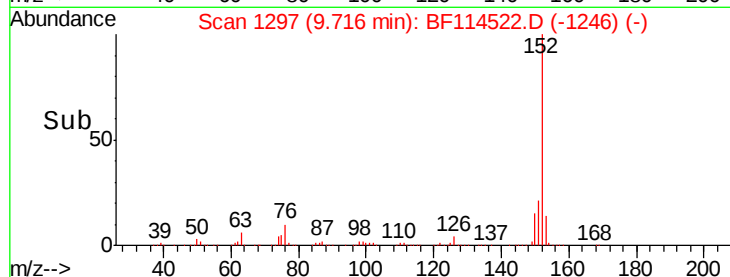
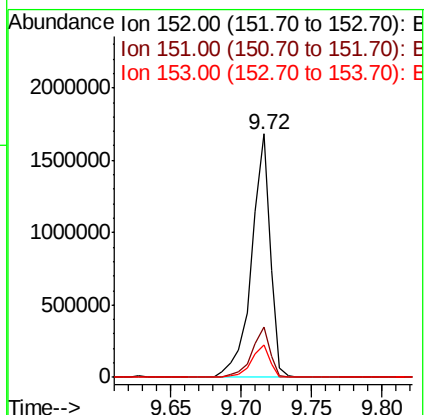
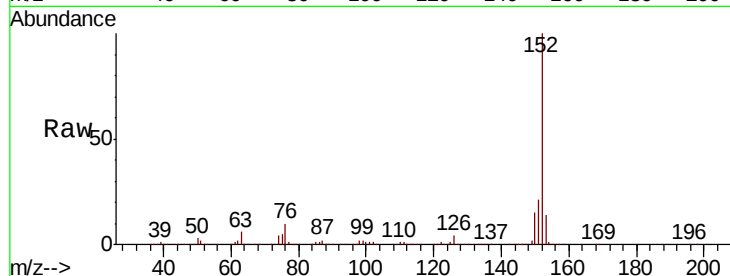
152 100

151 20.7 16.8 25.2

153 13.6 11.4 17.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 87.246 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

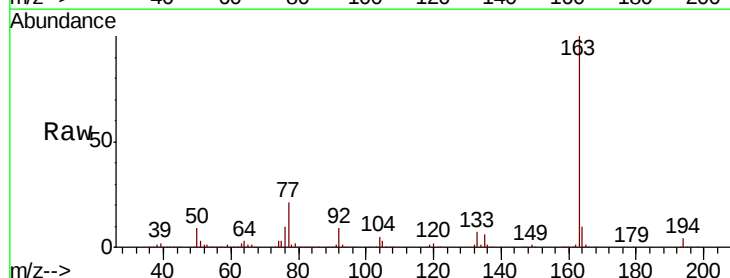
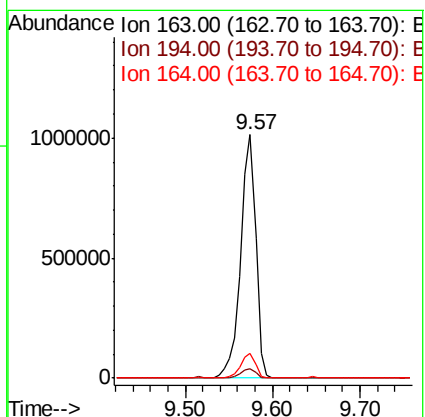
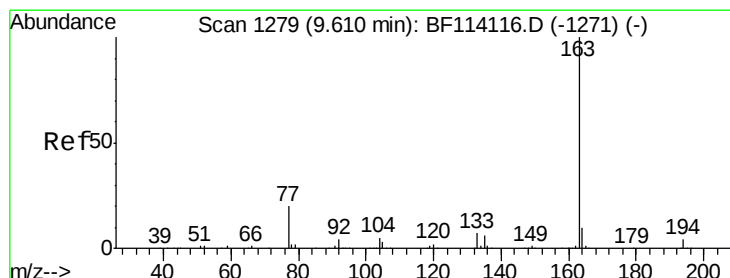
Tgt Ion:163 Resp: 1164798

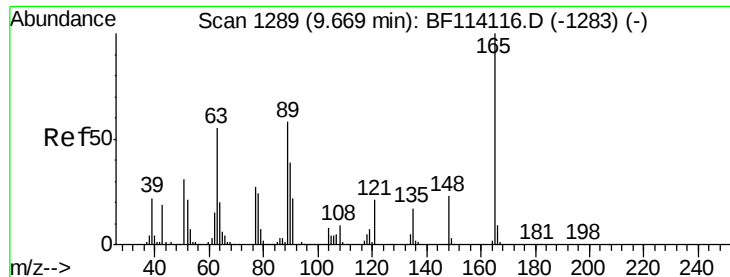
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 87.578 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:165 Resp: 259333
Ion Ratio Lower Upper

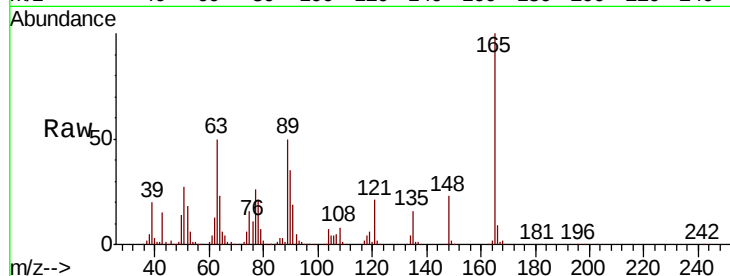
165 100

63 50.4 50.2 75.4

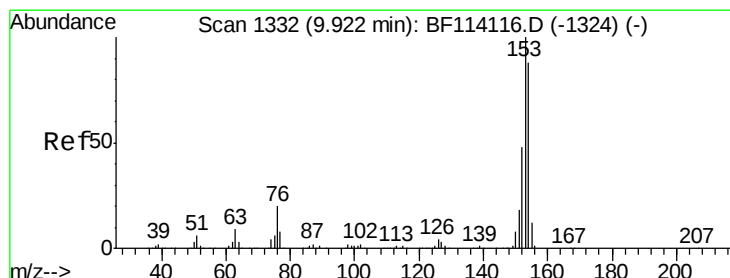
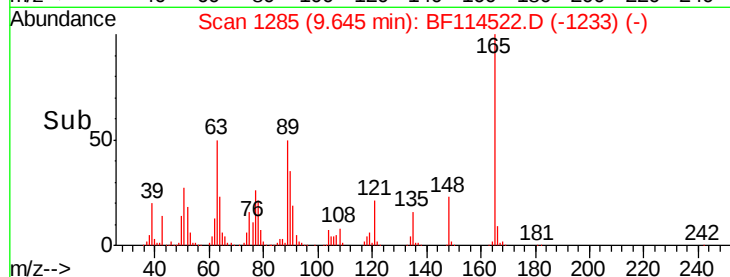
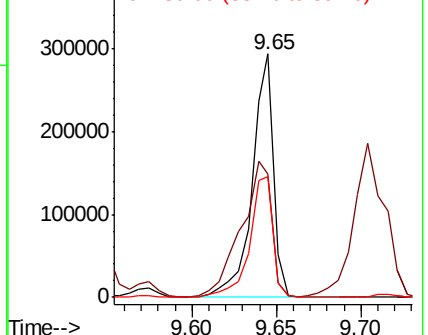
89 49.6 46.6 69.8

Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 82.914 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114522.D

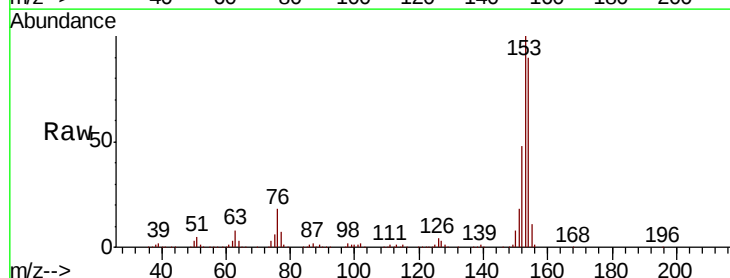
Acq: 23 May 2019 13:26

Tgt Ion:154 Resp: 915011
Ion Ratio Lower Upper

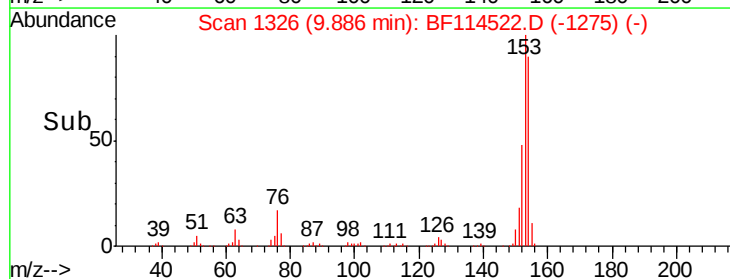
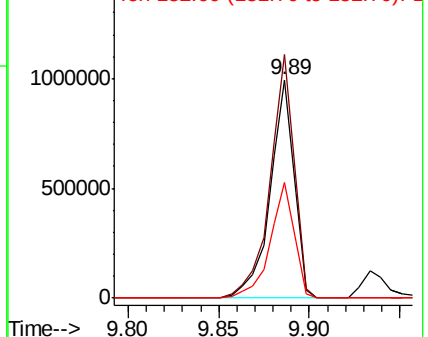
154 100

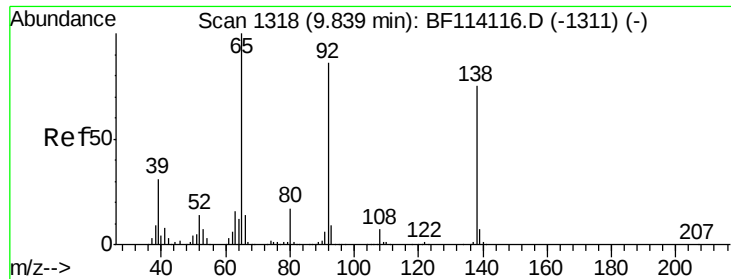
153 111.3 90.5 135.7

152 53.1 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





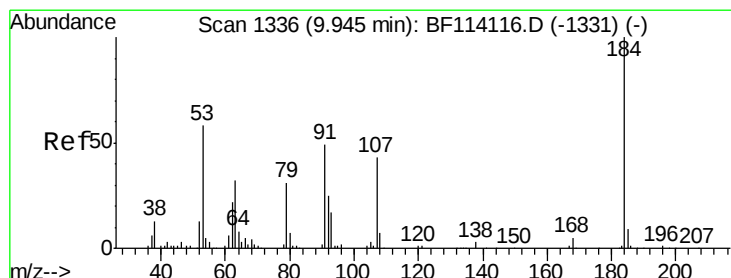
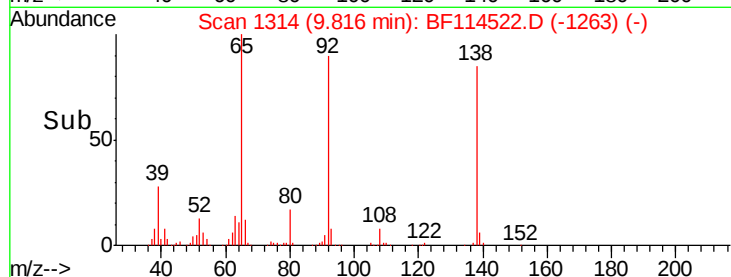
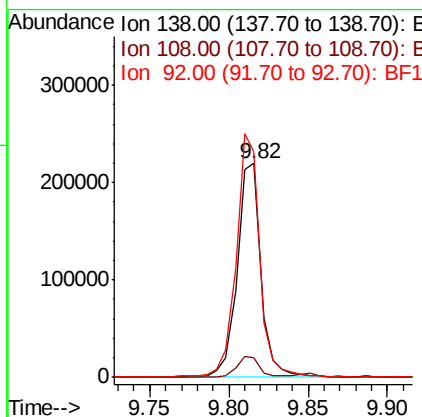
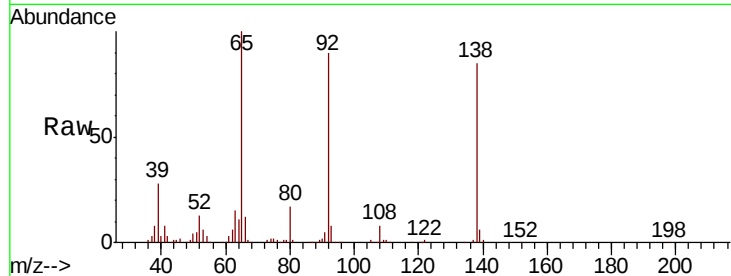
#53
3-Nitroaniline
Concen: 62.248 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	228815		
108	8.9	7.8	11.6	
92	105.6	91.2	136.8	

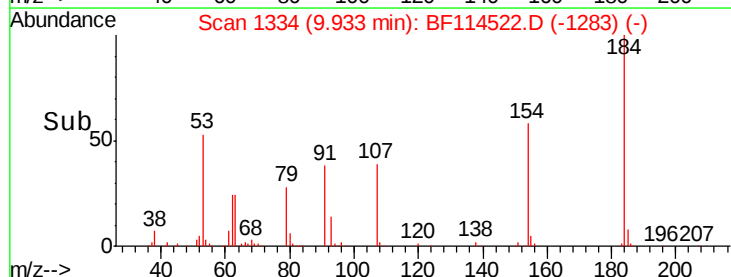
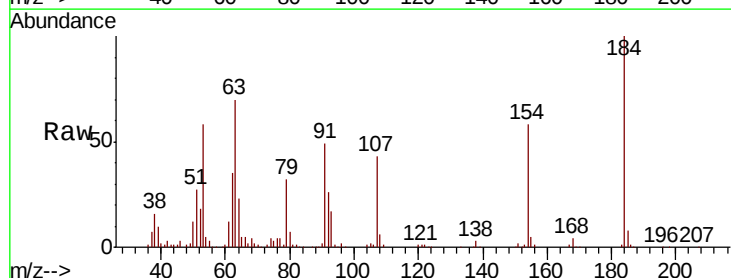
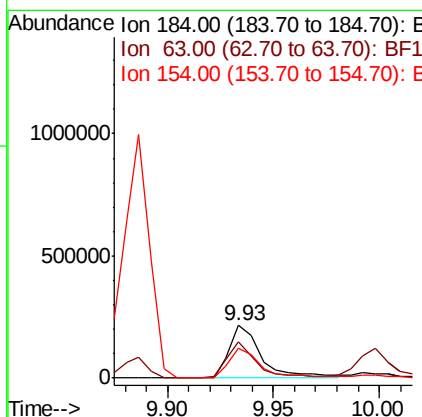
Manual Integrations
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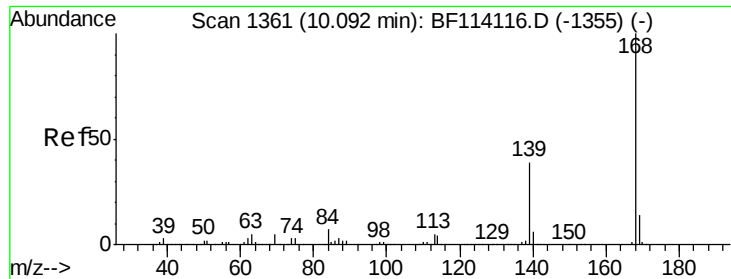
mohammad
5/24/2019 1:36:28 PM



#54
2,4-Dinitrophenol
Concen: 148.421 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	230377		
63	69.8	55.6	83.4	
154	58.0	46.0	69.0	





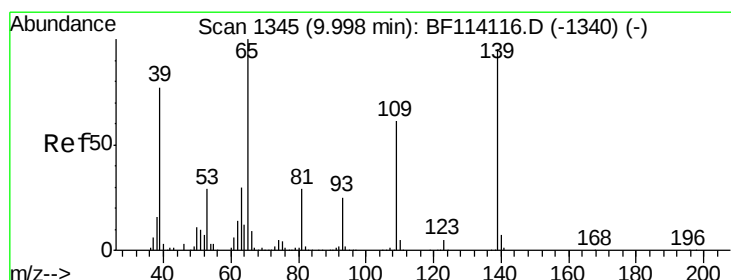
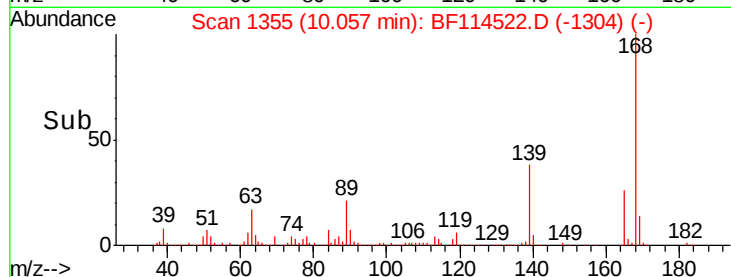
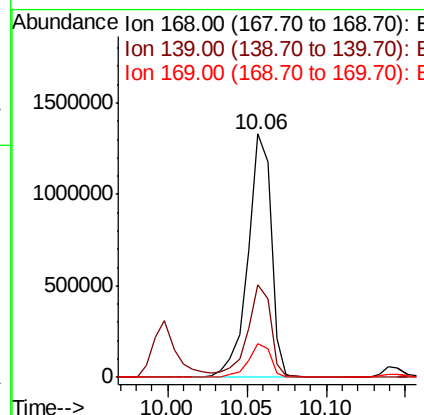
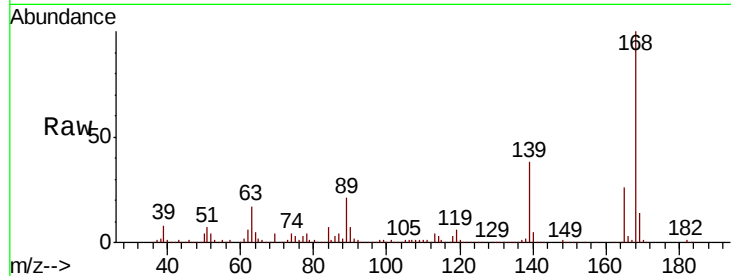
#55
Dibenzofuran
Concen: 83.186 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.1	46.7
169	13.8	11.4	17.0

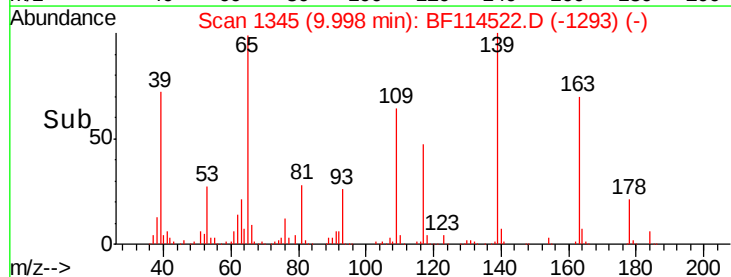
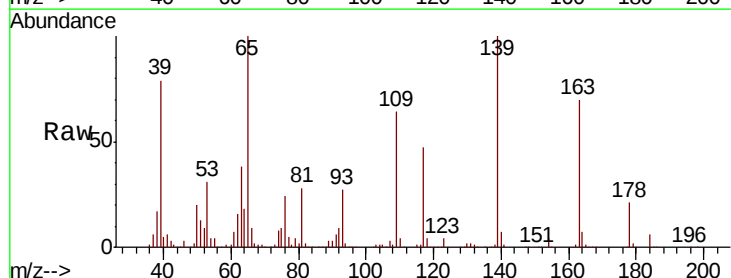
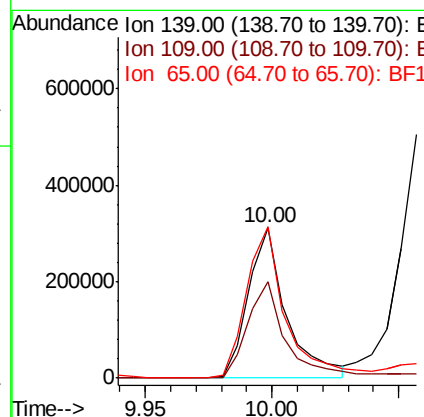
Manual Integrations
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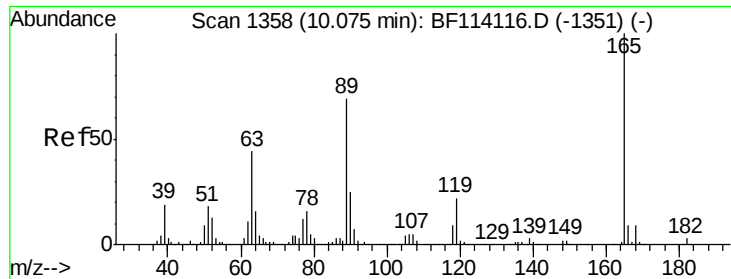
mohammad
5/24/2019 1:36:28 PM



#56
4-Nitrophenol
Concen: 125.676 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.9	43.9	83.9
65	100.3	85.7	125.7





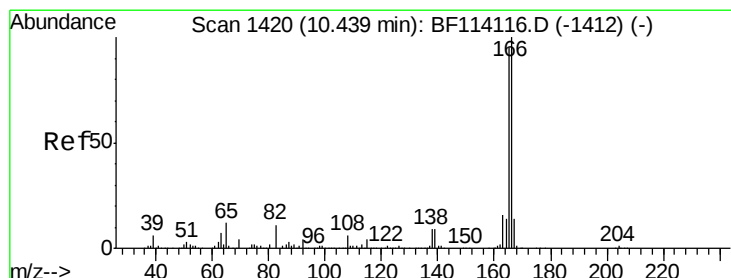
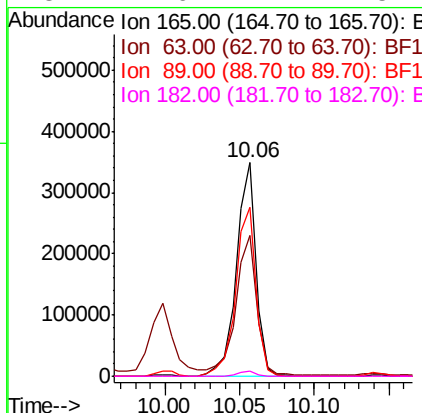
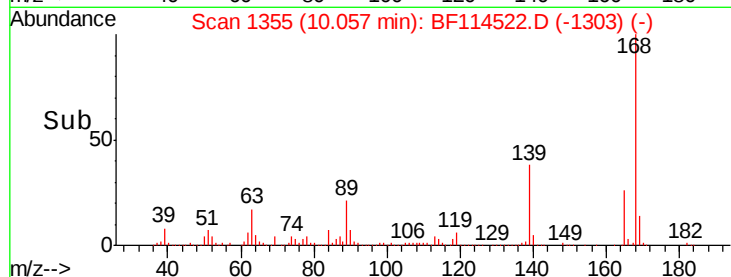
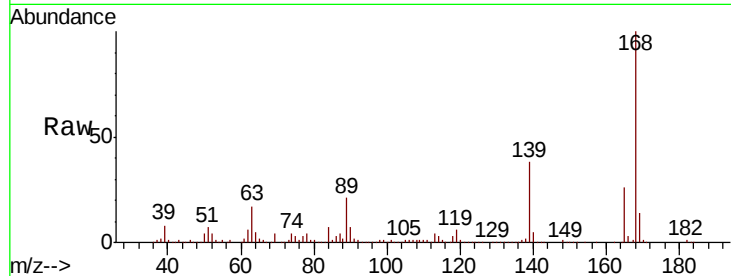
#57
2,4-Dinitrotoluene
Concen: 80.058 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleID :
PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	321768		
63	65.9	35.5	53.3	#
89	79.3	55.2	82.8	
182	2.6	2.2	3.2	

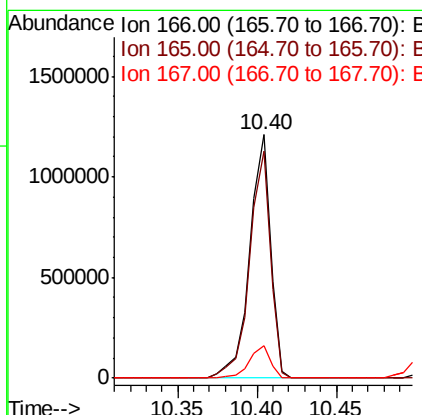
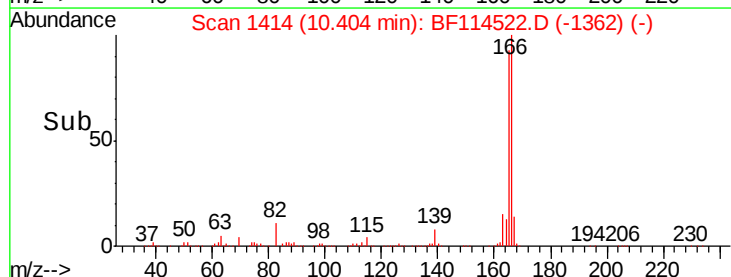
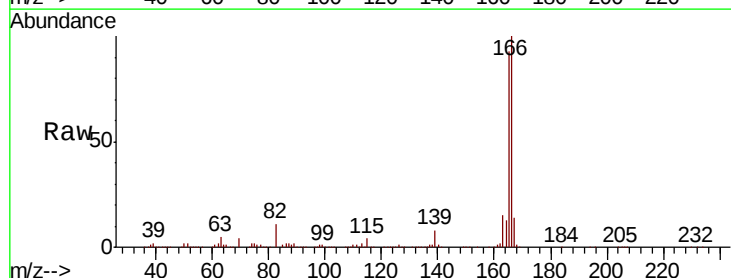
Manual Integrations
APPROVED

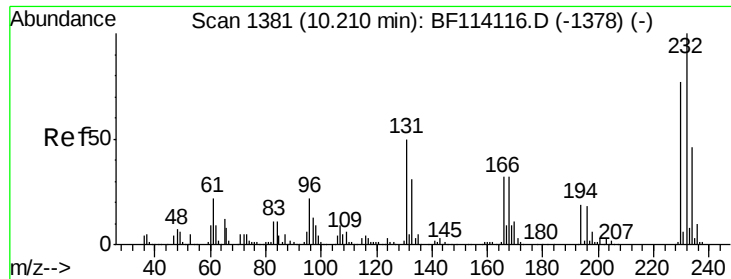
mohammad
5/24/2019 1:36:28 PM



#58
Fluorene
Concen: 88.734 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1109113		
165	93.3	76.1	114.1	
167	13.5	11.1	16.7	





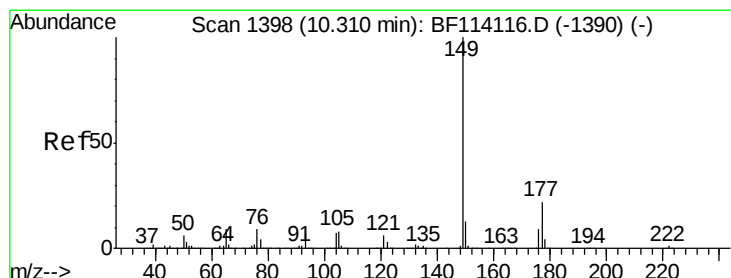
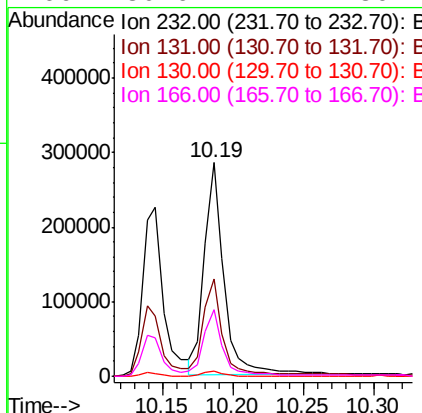
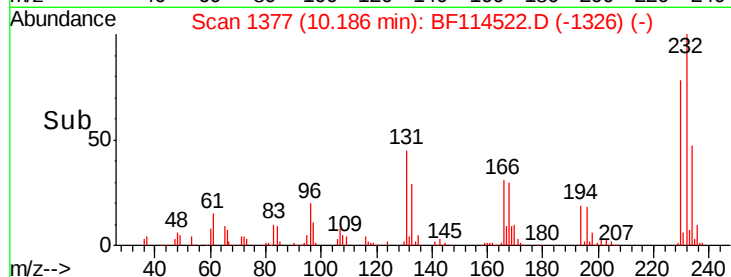
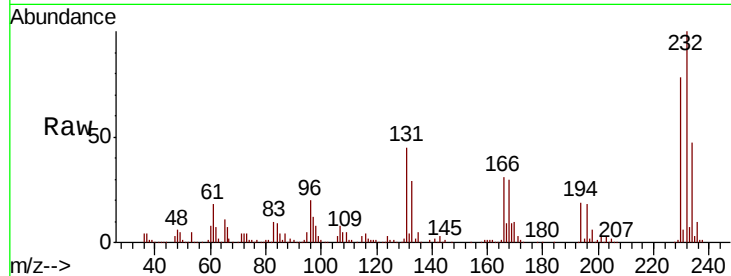
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 82.447 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	276454		
131	44.3		35.6	53.4
130	2.4		1.6	2.4
166	30.6		24.1	36.1

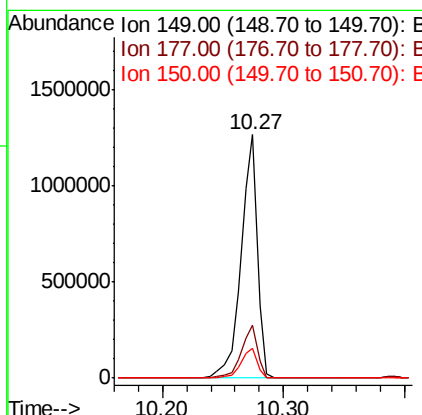
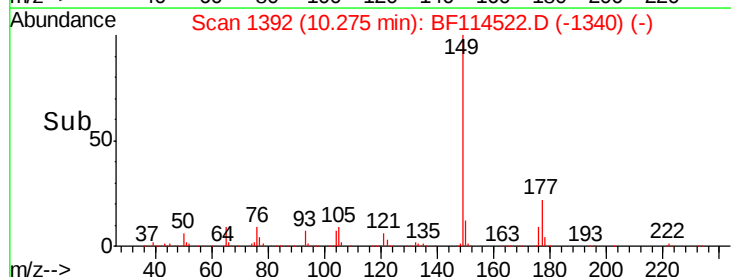
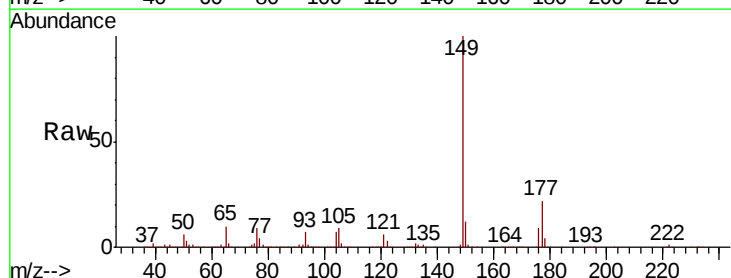
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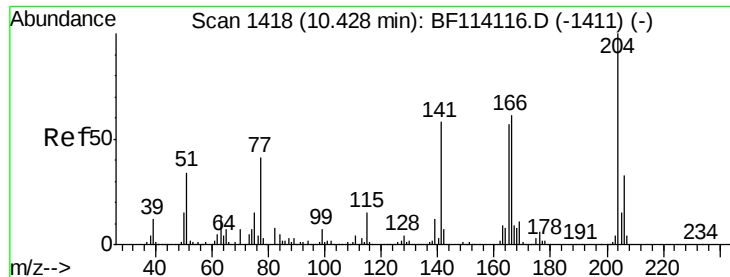
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#60
 Diethylphthalate
 Concen: 87.567 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1187855		
177	22.0		17.8	26.6
150	12.3		10.2	15.2





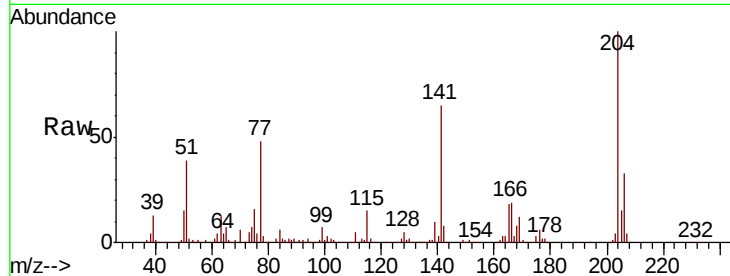
#61
4-Chlorophenyl-phenylether
Concen: 86.131 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

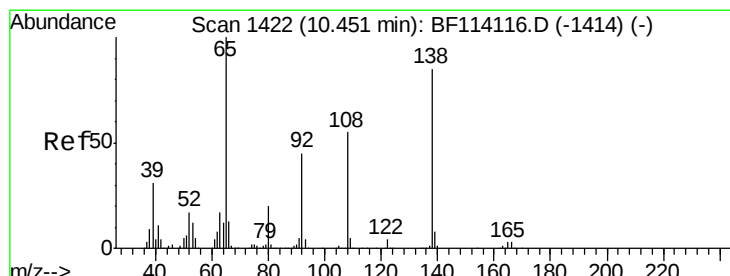
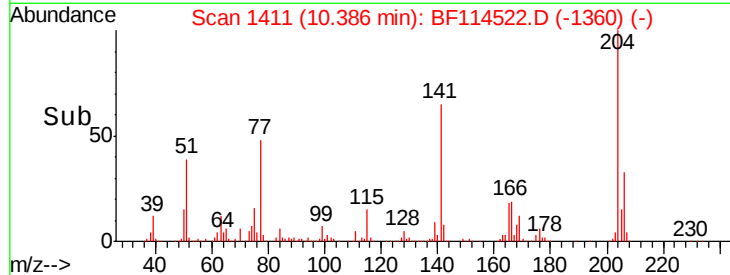
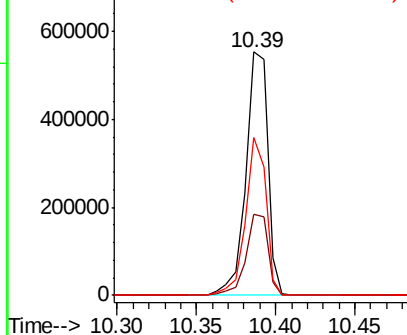
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	39.8
141	64.7	46.4	69.6

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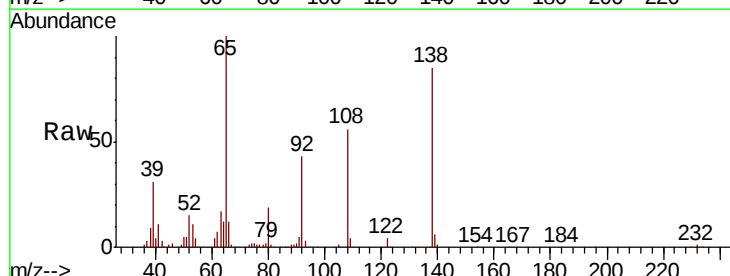


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

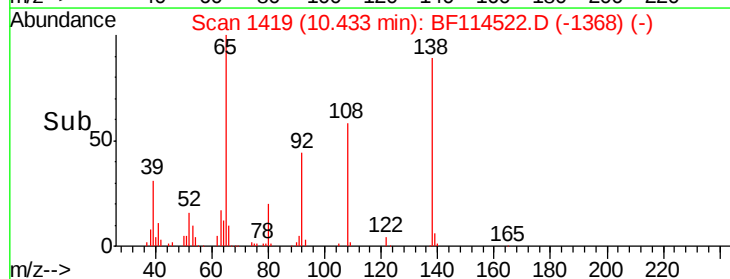
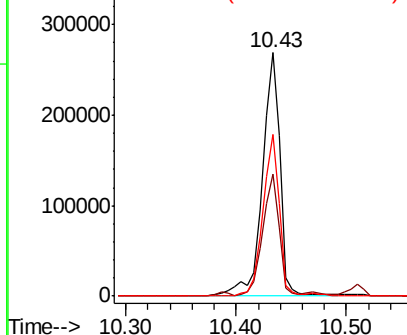


#62
4-Nitroaniline
Concen: 78.899 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	33.0	73.0
108	66.2	44.9	84.9



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





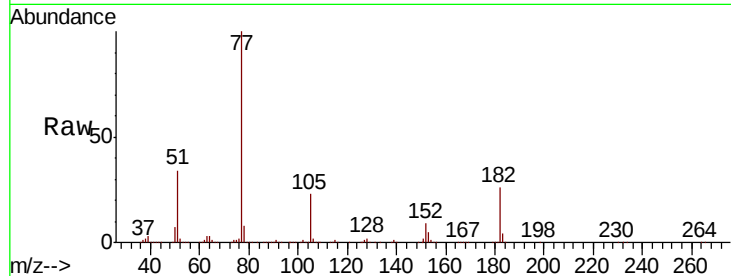
#63
Azobenzene
Concen: 85.531 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

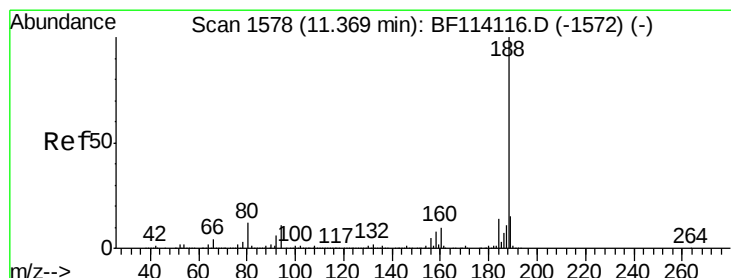
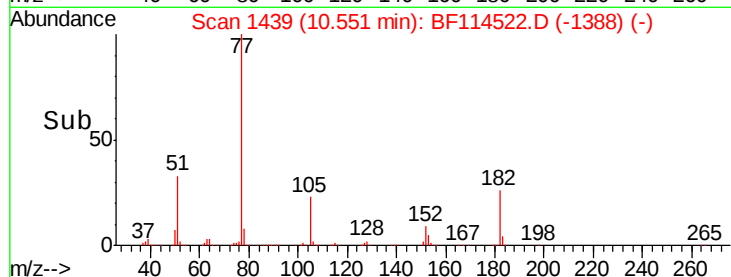
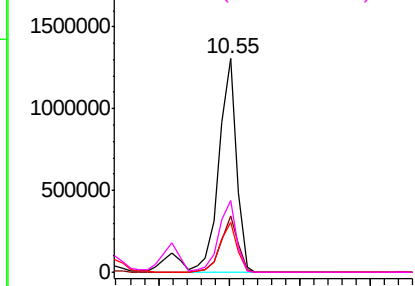
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.2	4.7	44.7
105	23.2	2.9	42.9
51	33.6	14.6	54.6

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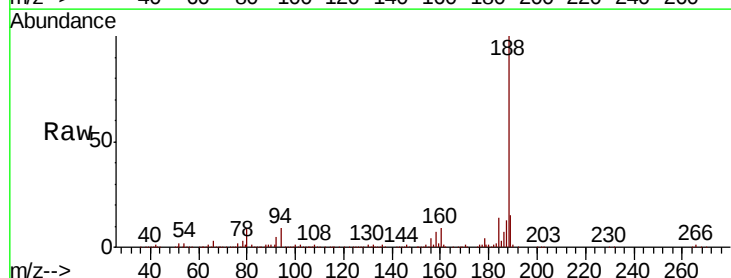


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

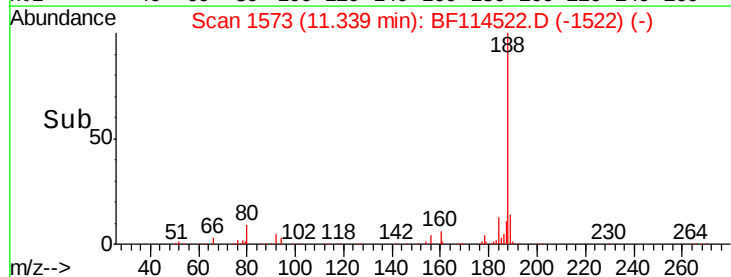
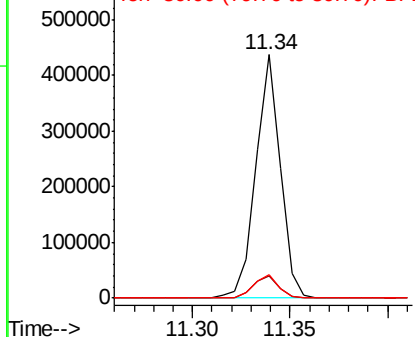


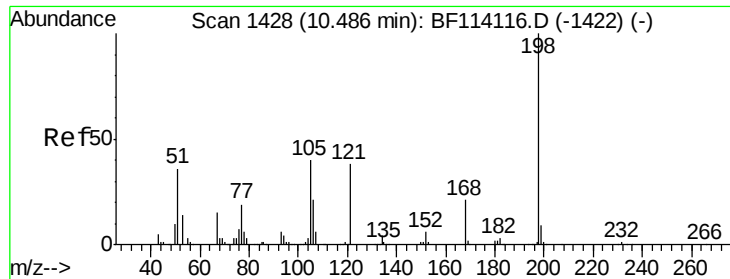
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.4	12.6
80	9.4	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: 87.278 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

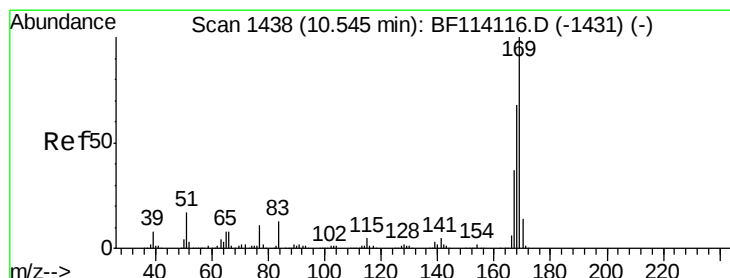
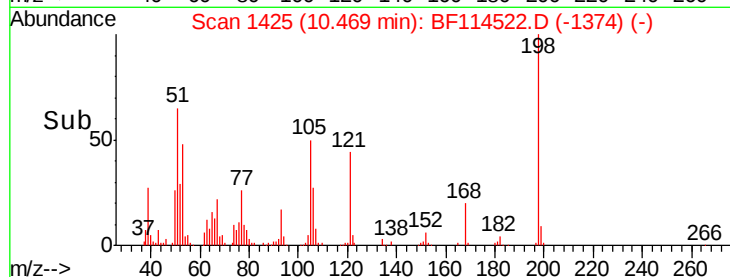
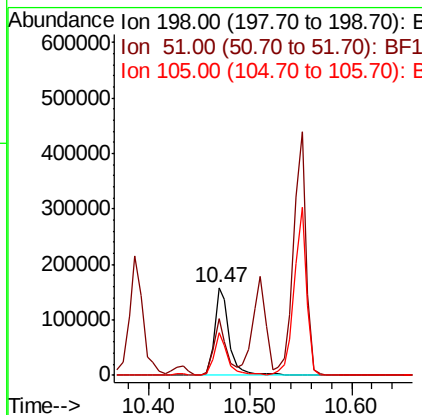
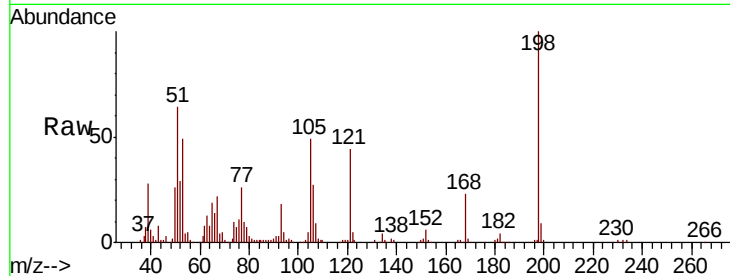
ClientSampled :

PB119776BS

Tot Ion:	198	Resp:	159708
Ion Ratio	Lower	Upper	
198	100		
51	64.4	28.0	68.0
105	49.5	21.1	61.1

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#66

n-Nitrosodiphenylamine

Concen: 86.407 ng

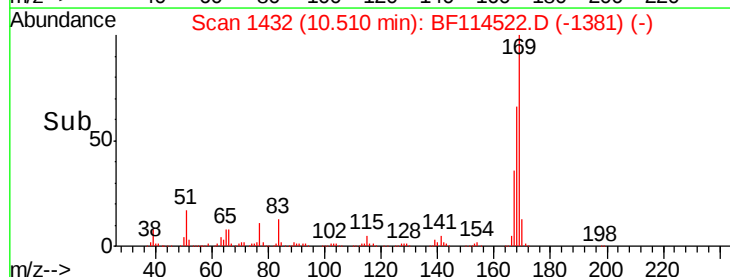
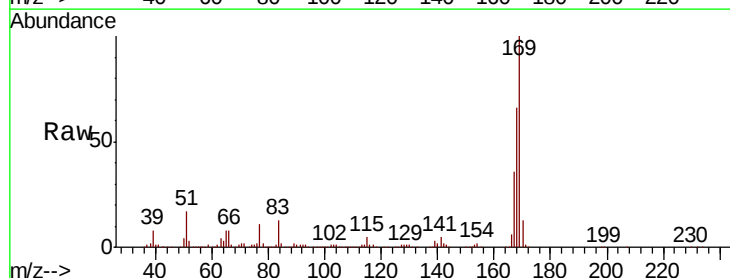
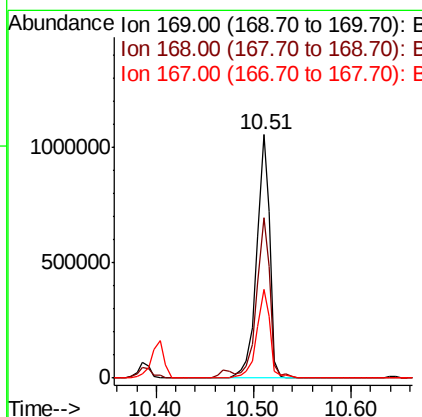
RT: 10.51 min Scan# 1432

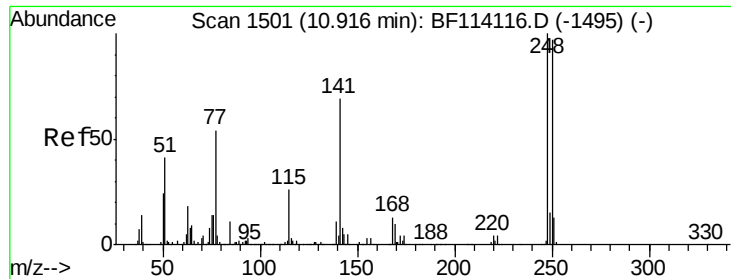
Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	169	Resp:	998683
Ion Ratio	Lower	Upper	
169	100		
168	66.1	54.2	81.2
167	36.4	29.8	44.8





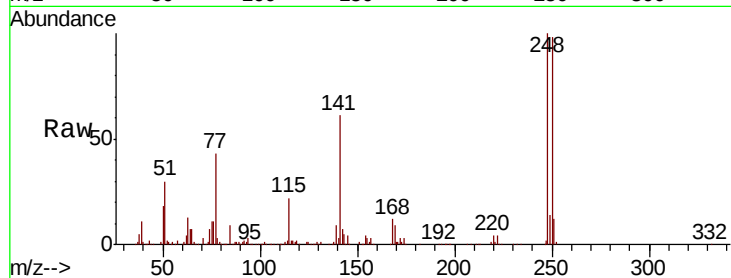
#67
4-Bromophenyl-phenylether
Concen: 80.321 ng
RT: 10.88 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.2
141	60.7	55.6	83.4

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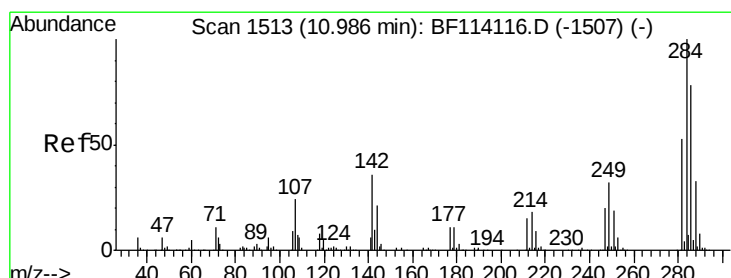
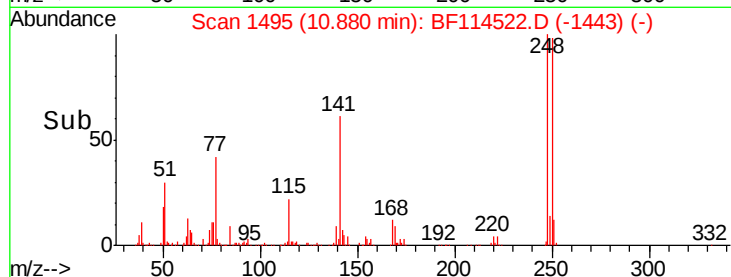
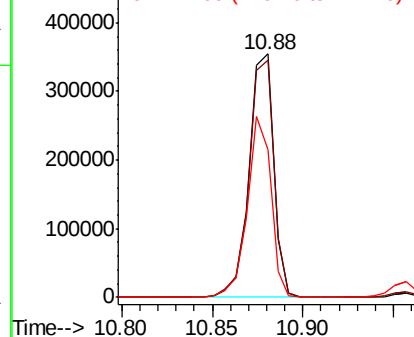


Abundance

Ion 248.00 (247.70 to 248.70): E

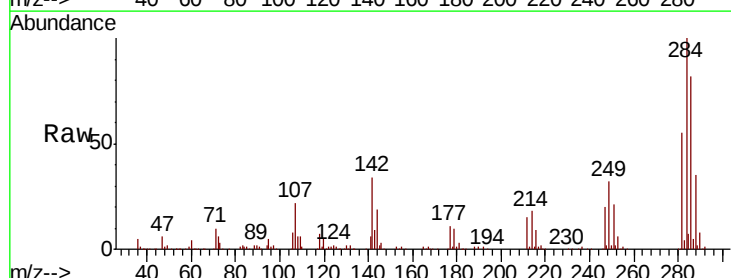
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 77.906 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.3	28.4	42.6
249	31.8	25.2	37.8

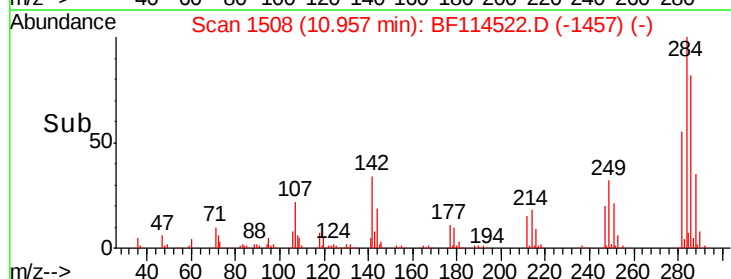
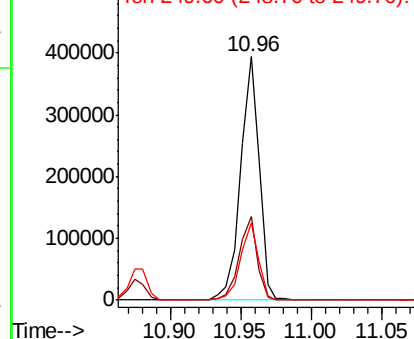


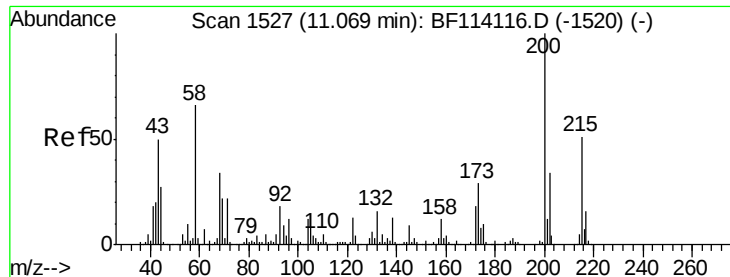
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





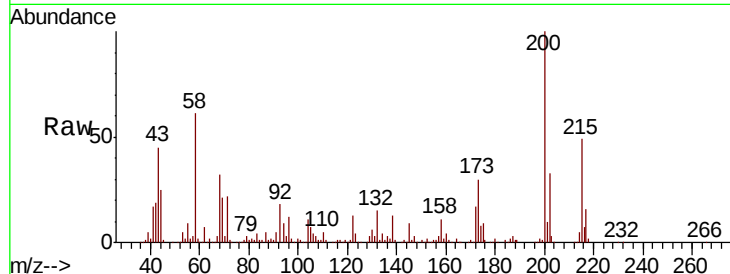
#69
 Atrazine
 Concen: 85.868 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

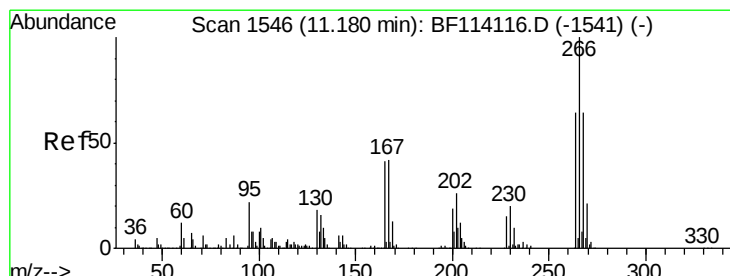
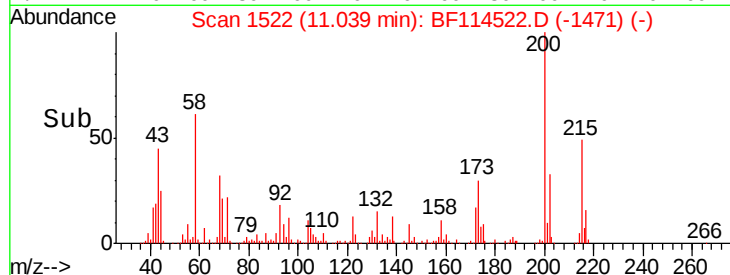
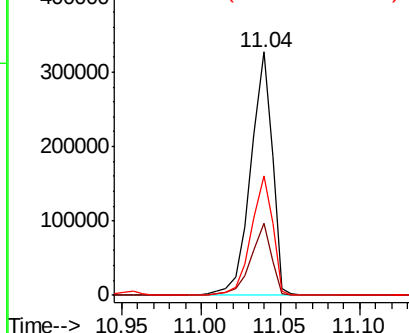
Tot Ion:	200	Resp:	308847
Ion Ratio	Lower	Upper	
200	100		
173	29.6	8.9	48.9
215	49.0	30.7	70.7

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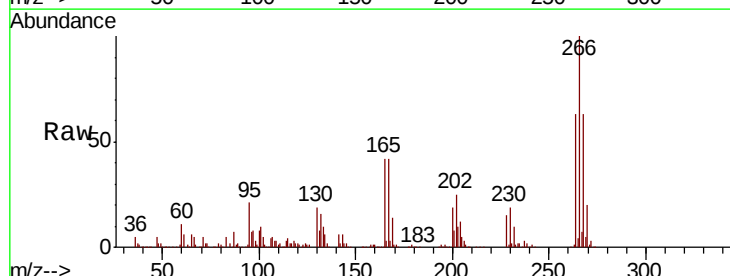


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

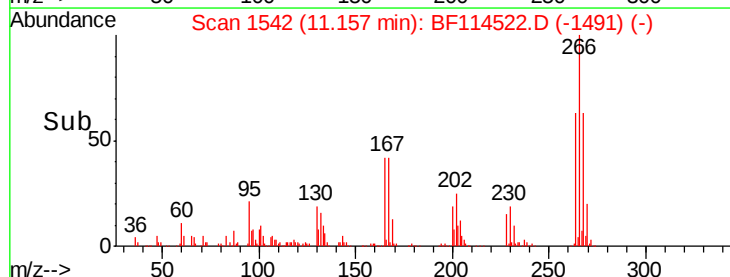
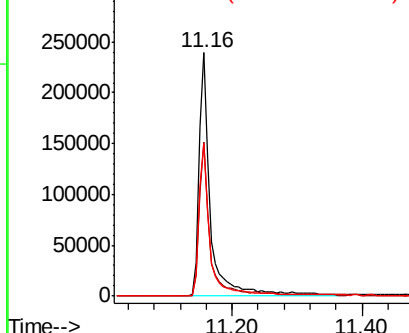


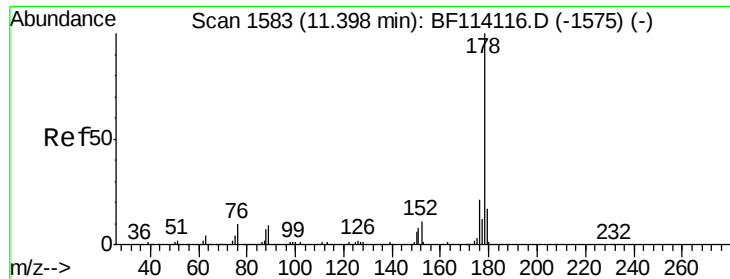
#70
 Pentachlorophenol
 Concen: 134.501 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion:	266	Resp:	295748
Ion Ratio	Lower	Upper	
266	100		
268	63.4	51.1	76.7
264	62.9	51.1	76.7



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





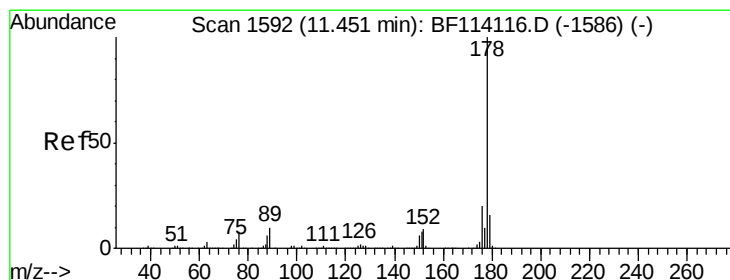
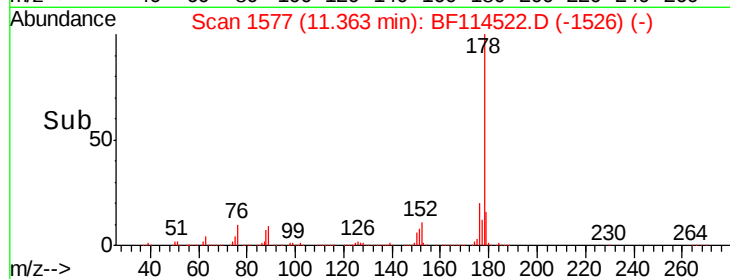
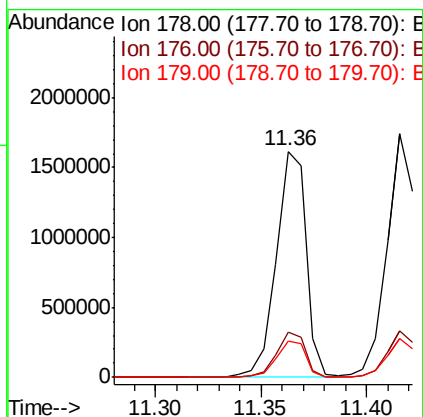
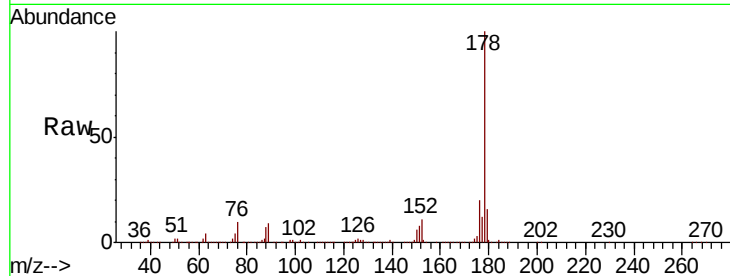
#71
Phenanthrene
Concen: 86.170 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion:178 Resp: 1596492
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.8 13.2 19.8

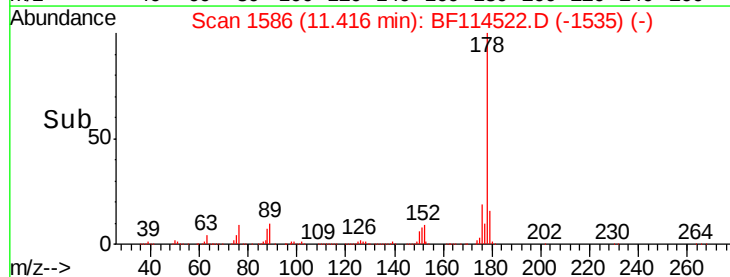
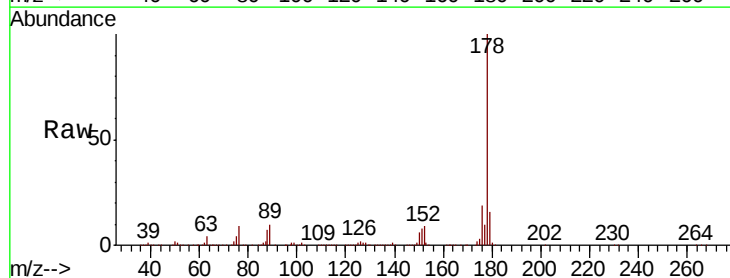
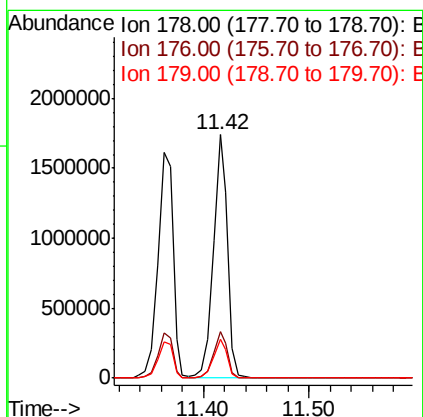
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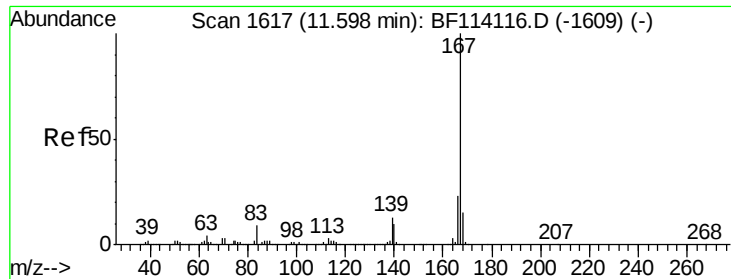
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#72
Anthracene
Concen: 88.673 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion:178 Resp: 1650109
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.1 13.0 19.4





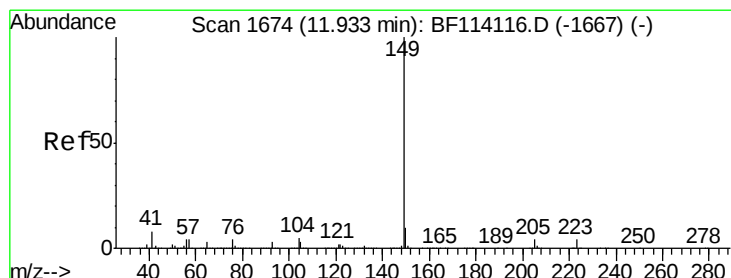
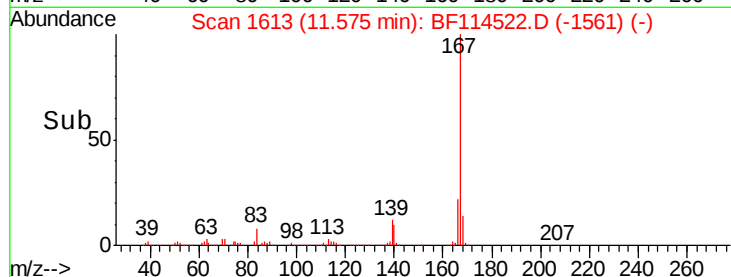
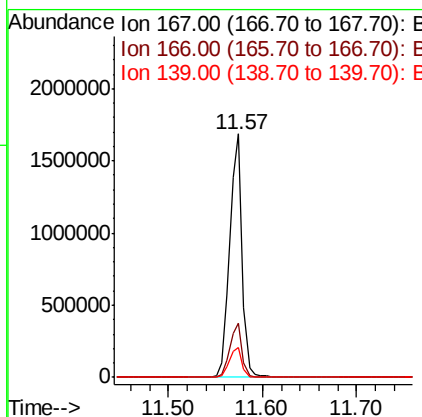
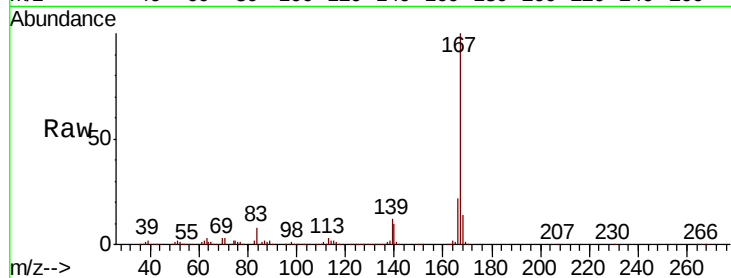
#73
 Carbazole
 Concen: 86.763 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.2
139	12.5	10.6	16.0

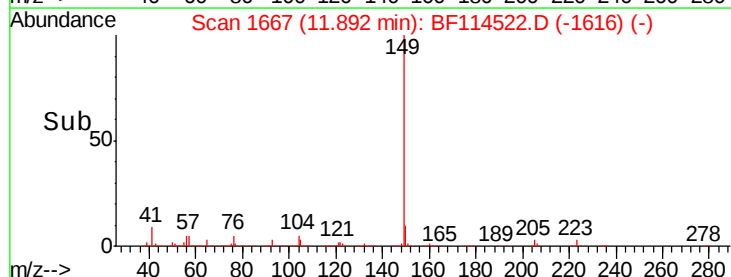
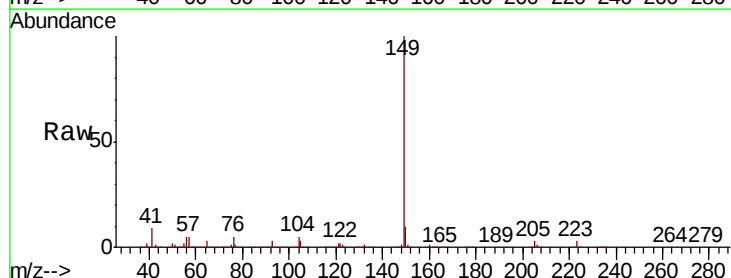
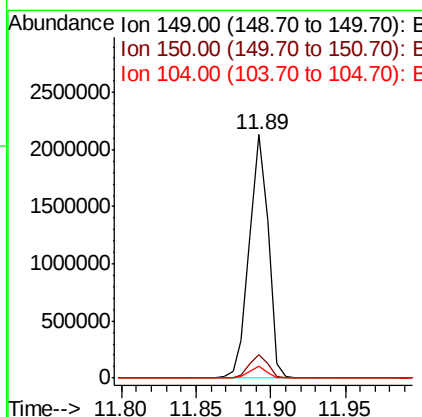
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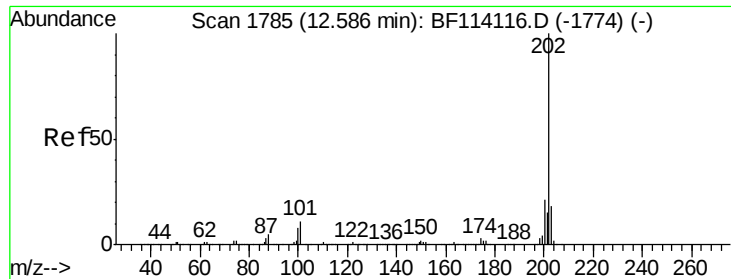
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#74
 Di-n-butylphthalate
 Concen: 91.841 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	4.8	3.6	5.4





#75

Fluoranthene

Concen: 86.425 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:202 Resp: 1724303

Ion Ratio Lower Upper

202 100

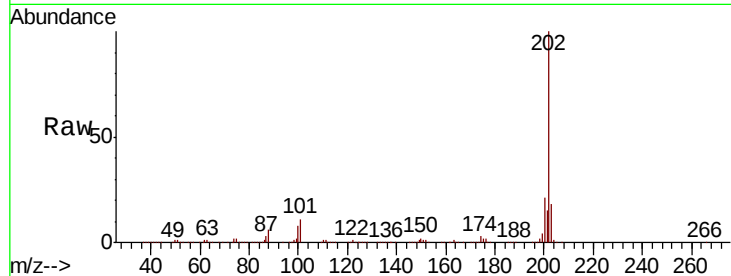
101 11.0 0.0 31.0

203 18.0 0.0 38.4

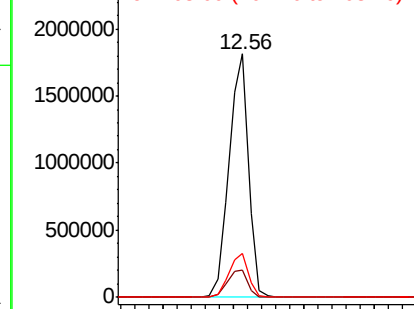
Manual Integrations
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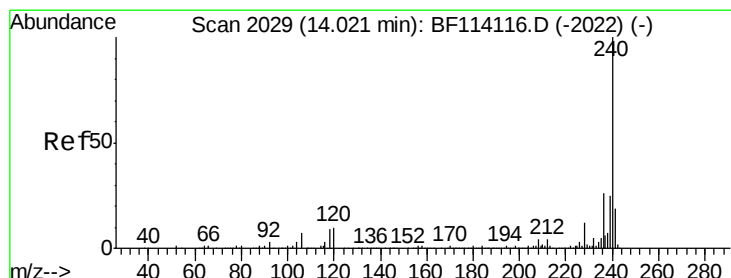
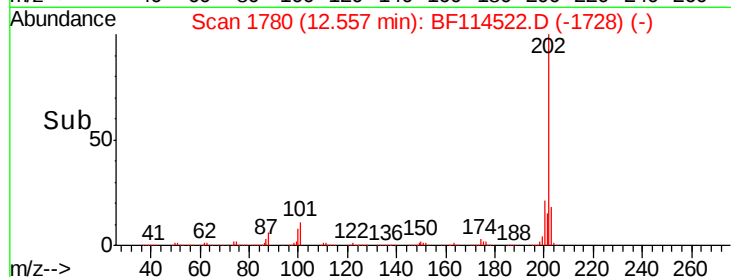
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

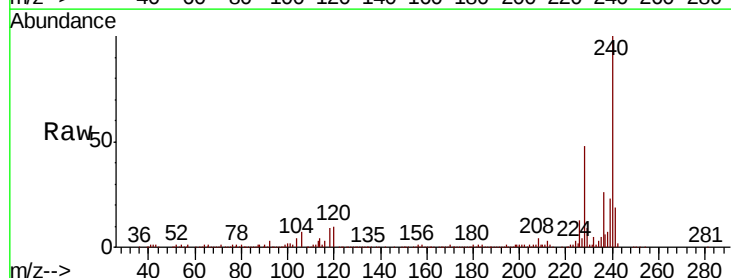
Tgt Ion:240 Resp: 263332

Ion Ratio Lower Upper

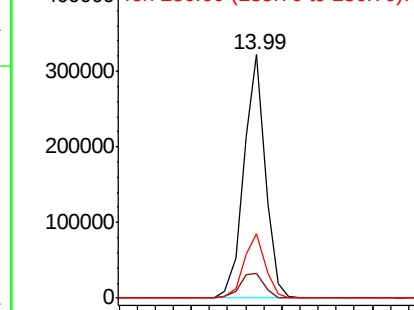
240 100

120 10.4 8.3 12.5

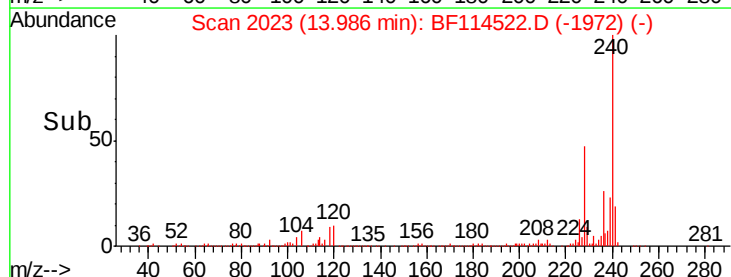
236 26.2 20.8 31.2

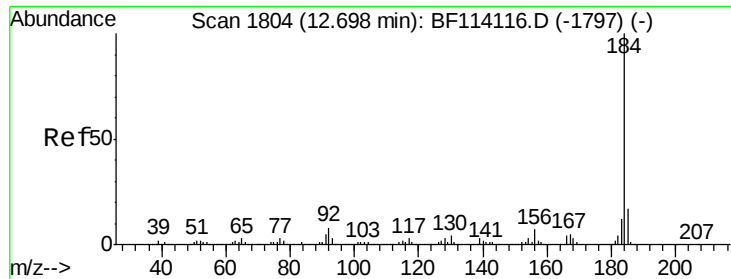


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 68.451 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

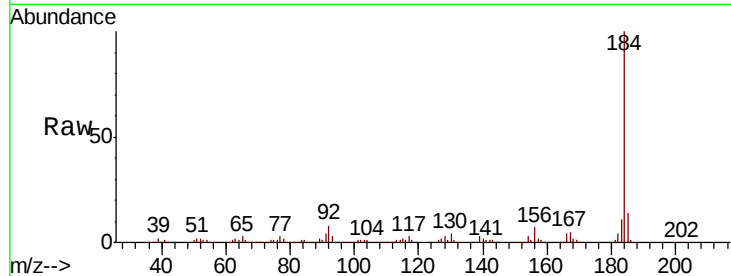
ClientSampled :

PB119776BS

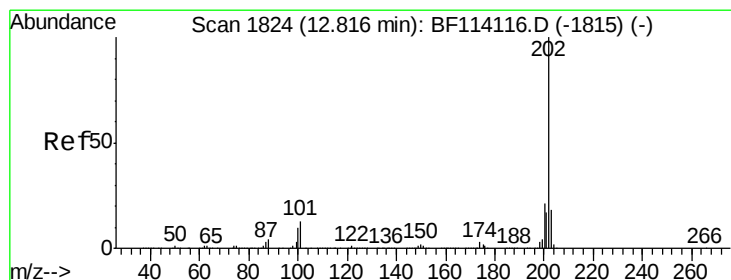
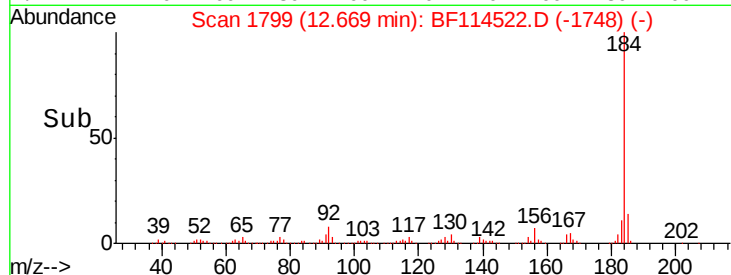
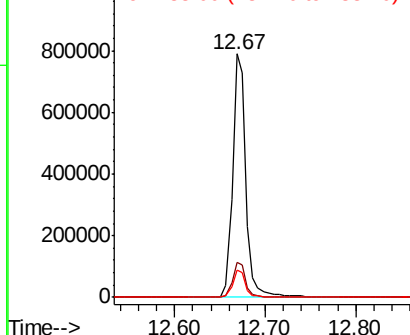
Tot Ion:	184	Resp:	809126
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.6	20.4
183	11.0	9.2	13.8

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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: 83.397 ng

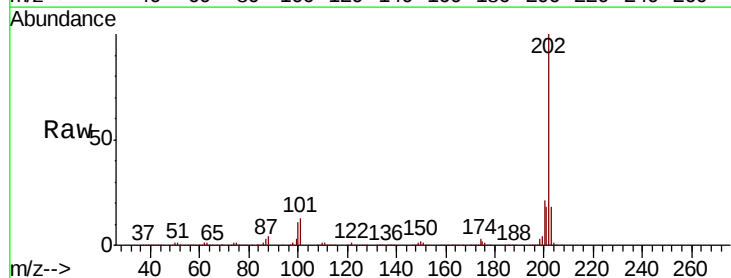
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

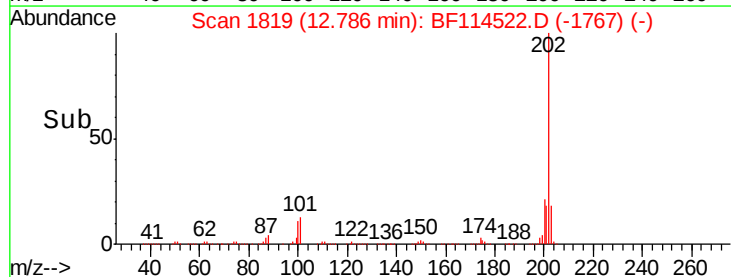
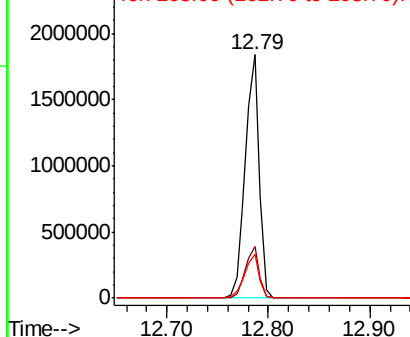
Lab File: BF114522.D

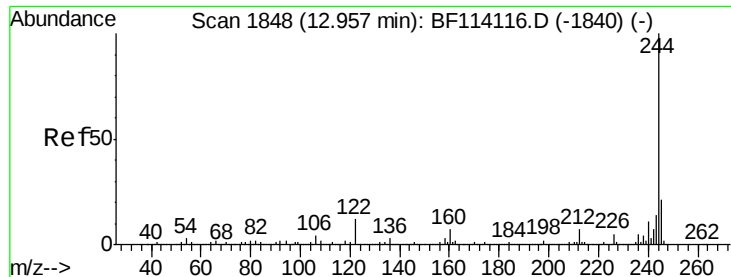
Acq: 23 May 2019 13:26

Tgt Ion:	202	Resp:	1766671
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	18.2	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





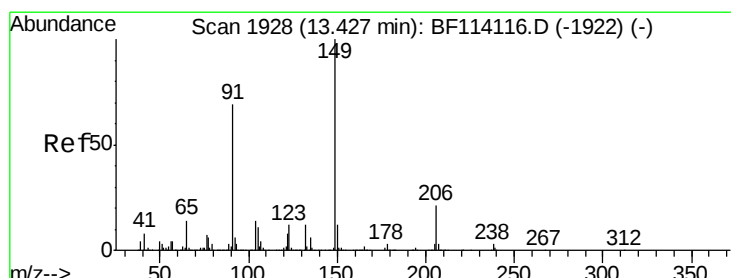
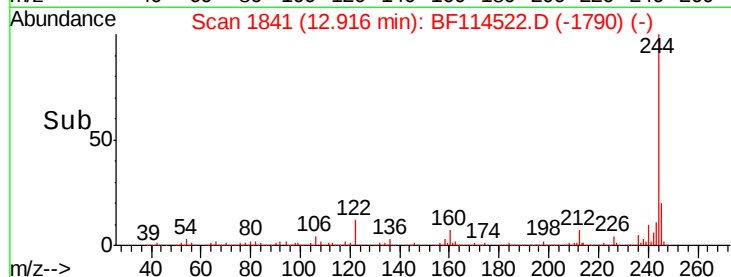
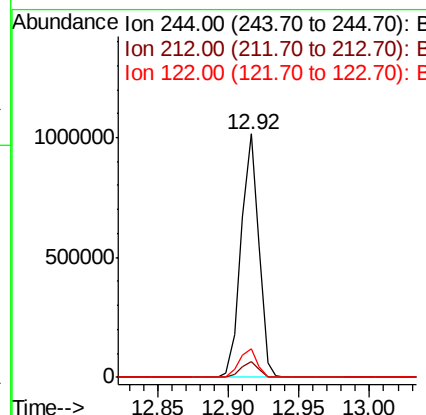
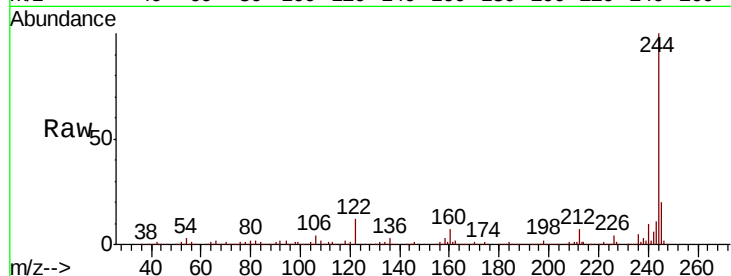
#79
 Terphenyl-d14
 Concen: 69.401 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Resp	Lower	Upper
244	100	886545		
212	6.6		5.8	8.6
122	11.8		9.4	14.2

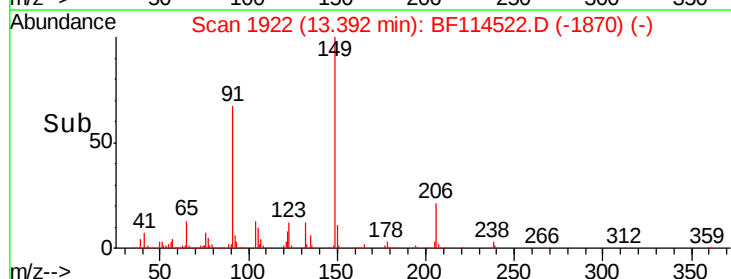
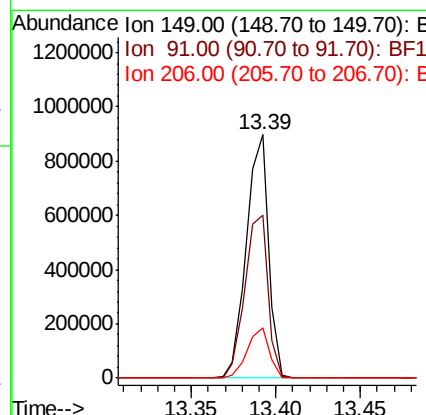
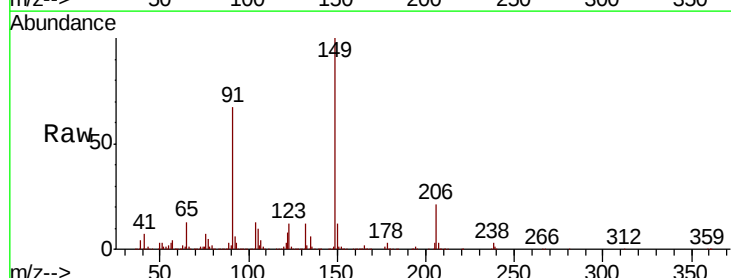
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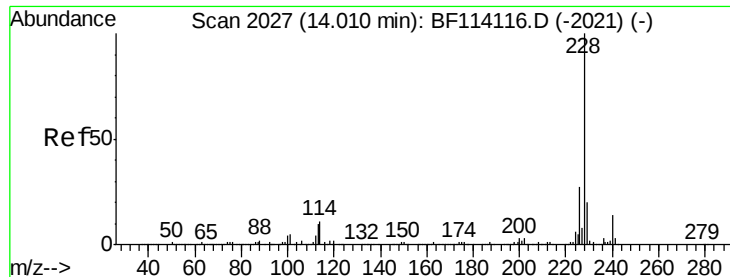
mohammad
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#80
 Butylbenzylphthalate
 Concen: 92.596 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	825627		
91	67.1		55.0	82.4
206	20.9		16.9	25.3





#81

Benzo(a)anthracene

Concen: 87.082 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:228 Resp: 1483199

Ion Ratio Lower Upper

228 100

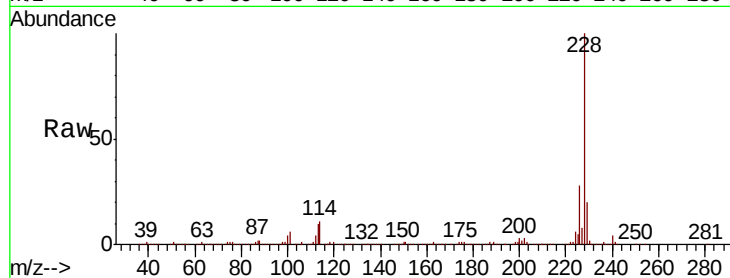
226 27.6 22.2 33.2

229 20.0 16.4 24.6

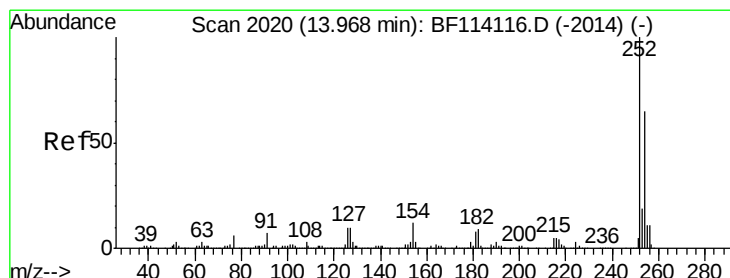
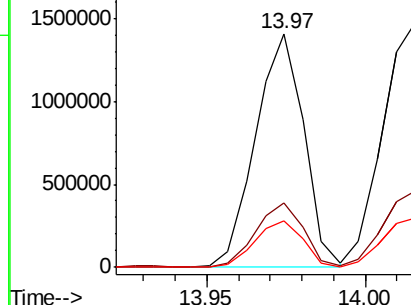
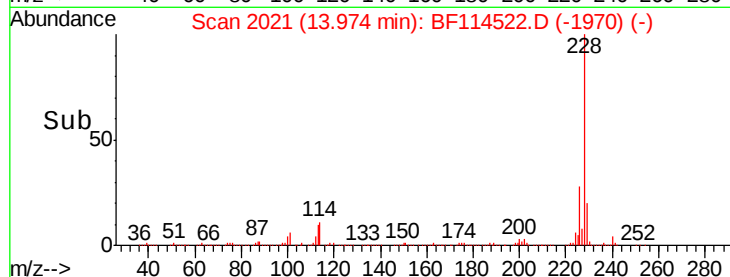
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Abundance Ion 228.00 (227.70 to 228.70): E
2000000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 66.043 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

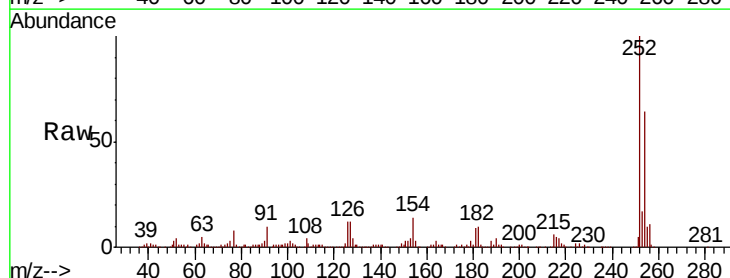
Tgt Ion:252 Resp: 436363

Ion Ratio Lower Upper

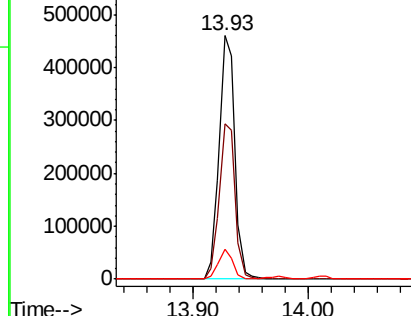
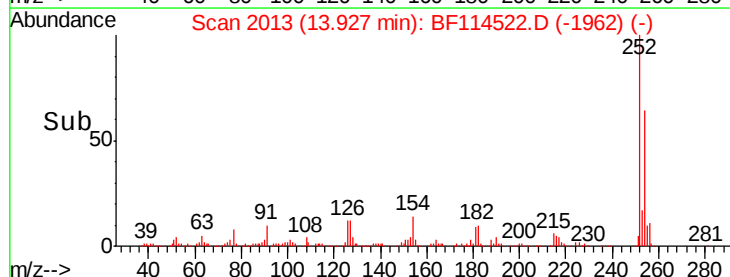
252 100

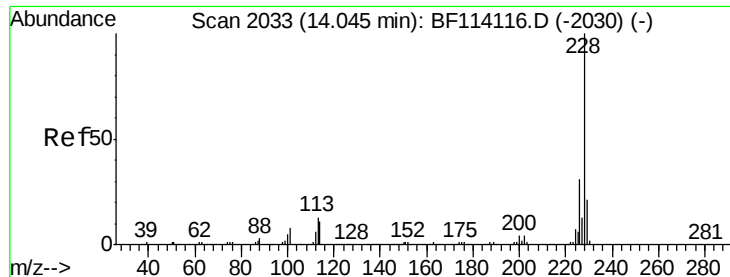
254 64.0 51.9 77.9

126 12.4 7.9 11.9#



Abundance Ion 252.00 (251.70 to 252.70): E
600000
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





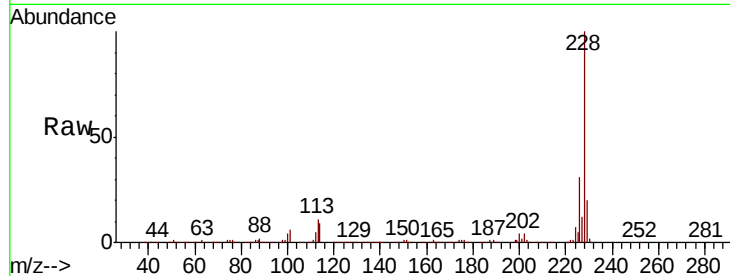
#83
 Chrvsene
 Concen: 85.699 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB119776BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	20.0	17.0	25.6

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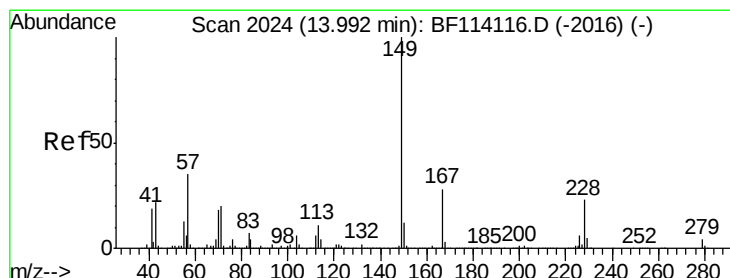
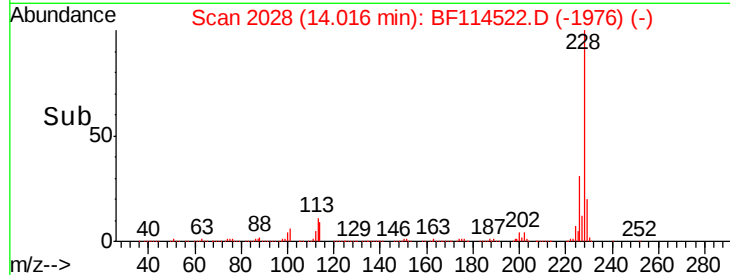
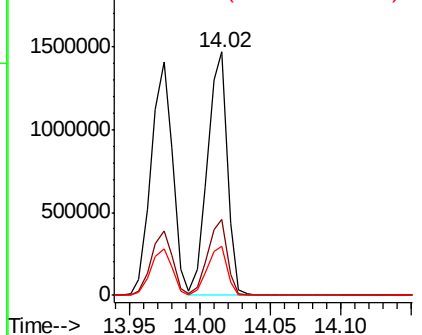


Abundance

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



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 97.255 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF114522.D
 Acq: 23 May 2019 13:26

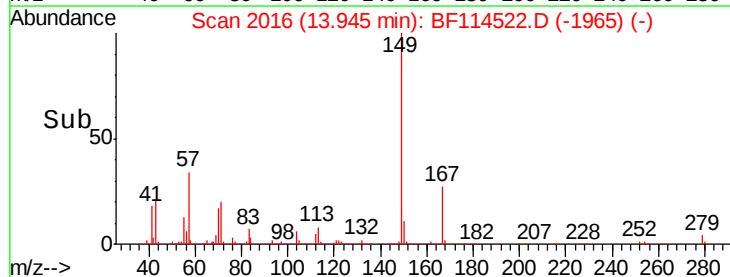
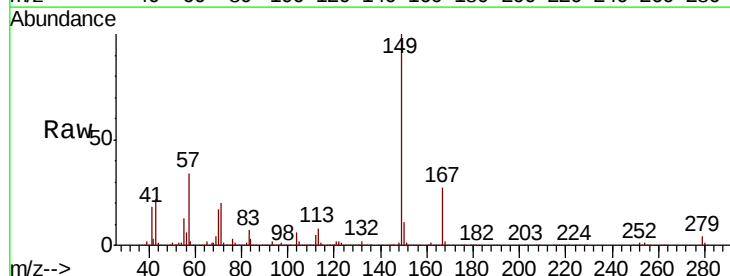
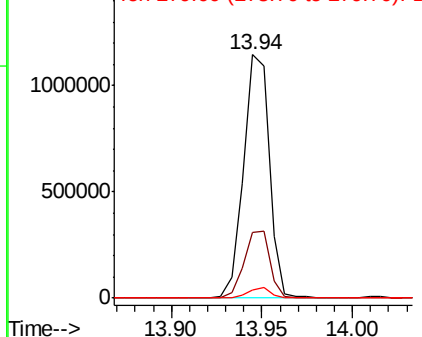
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.6	33.8
279	3.6	3.0	4.6

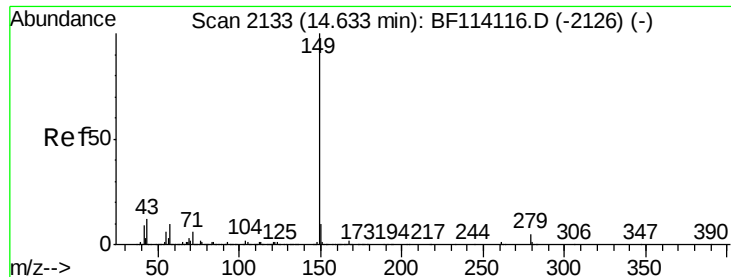
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 95.968 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:149 Resp: 1814196

Ion Ratio Lower Upper

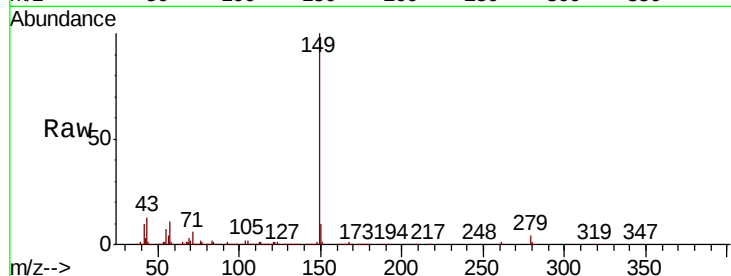
149 100

167 1.6 1.3 1.9

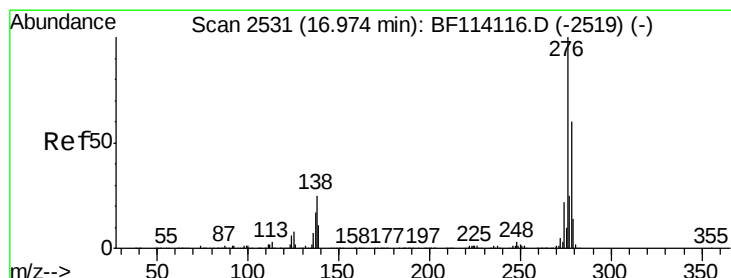
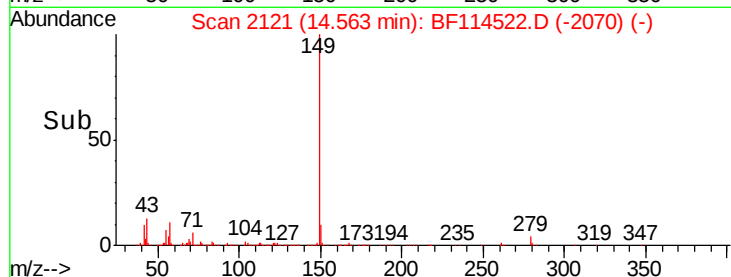
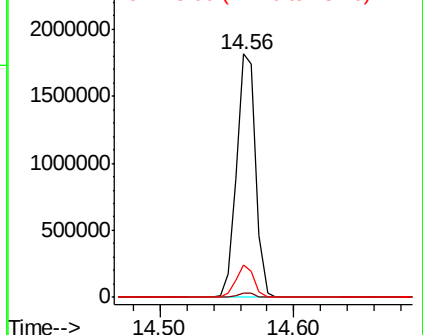
43 12.1 10.1 15.1

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Abundance Ion 149.00 (148.70 to 149.70): E
2500000
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: 83.000 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

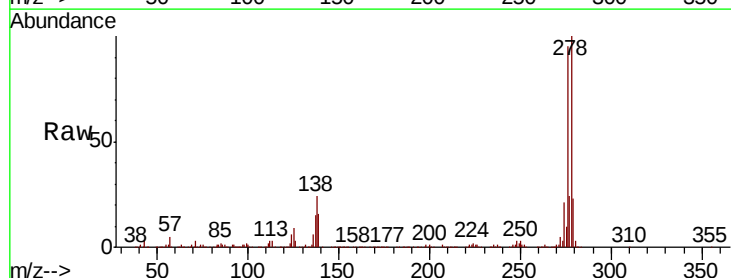
Tgt Ion:276 Resp: 1224737

Ion Ratio Lower Upper

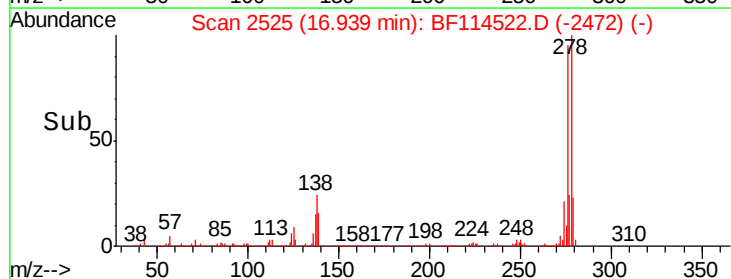
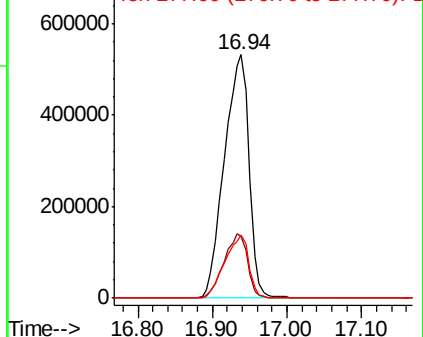
276 100

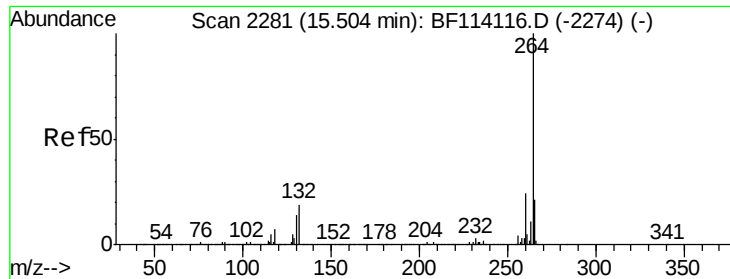
138 25.3 20.2 30.2

277 25.1 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E
600000
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: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

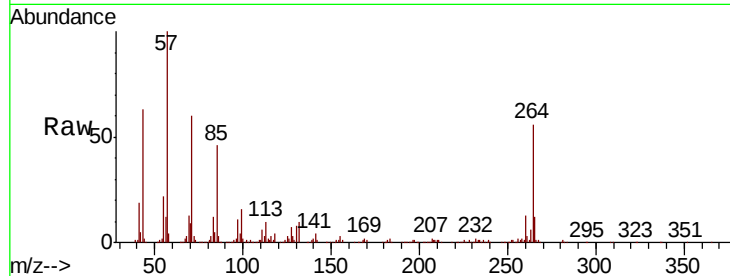
ClientSampleId :

PB119776BS

Tot Ion:	264	Resp:	218410
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.0
265	21.6	16.9	25.3

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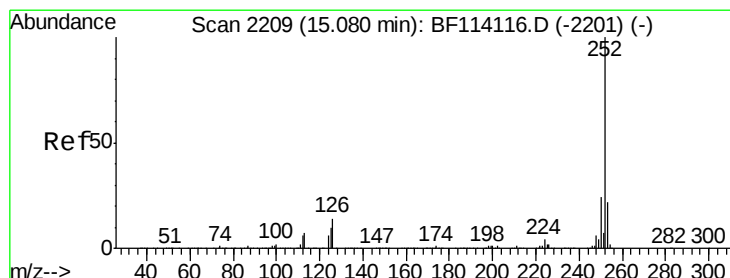
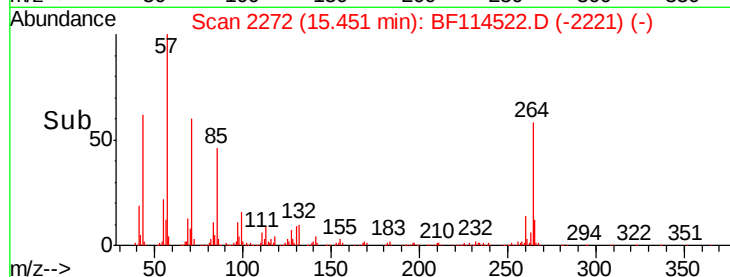
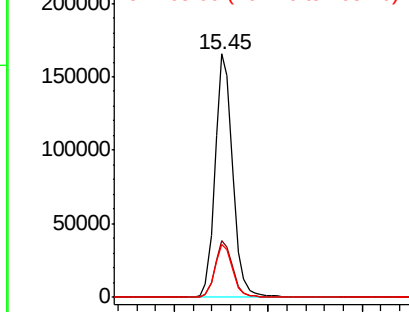


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 105.672 ng

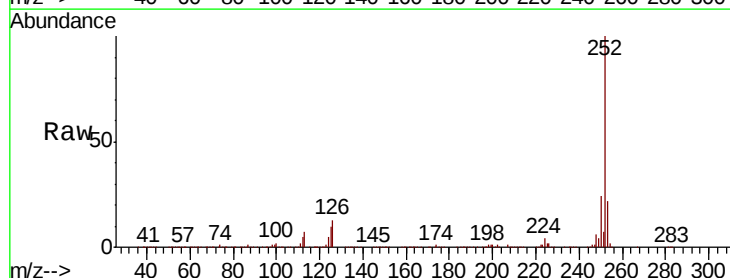
RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Tgt Ion:	252	Resp:	1478621
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.8
125	10.0	8.3	12.5

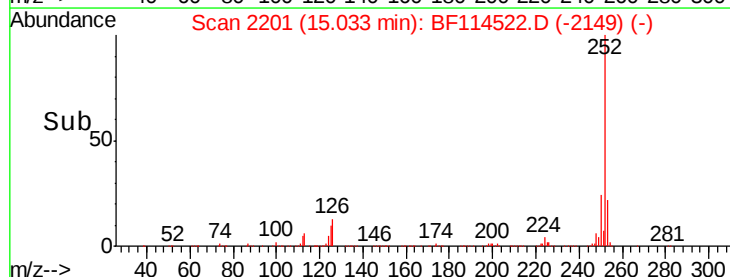
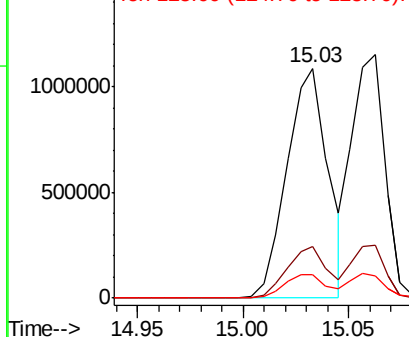


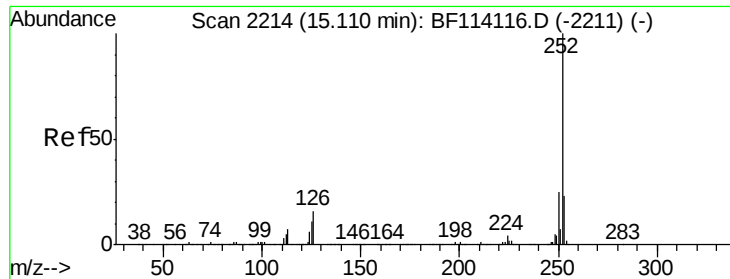
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





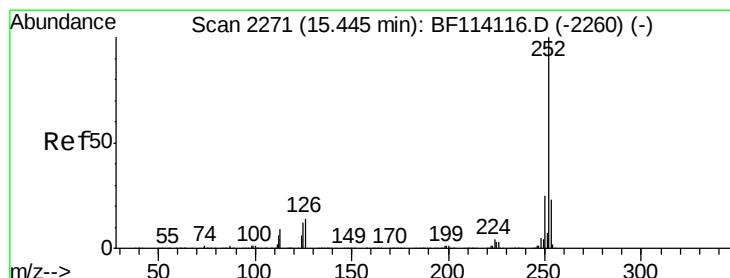
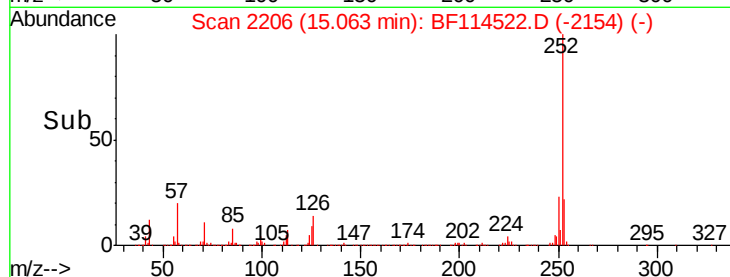
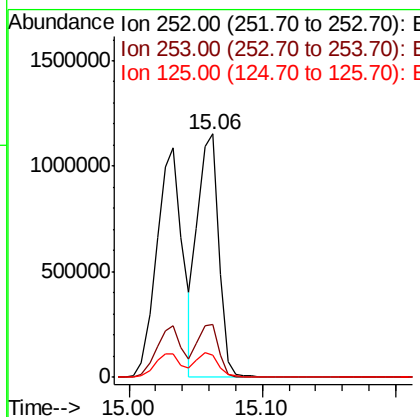
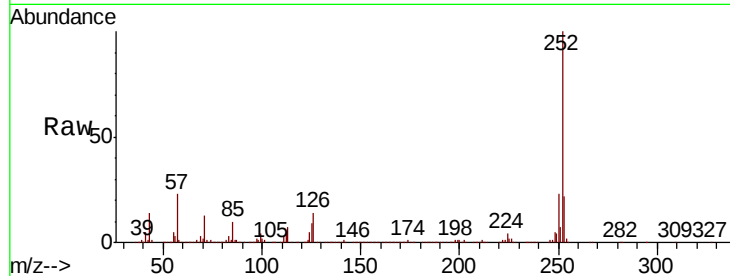
#89
Benzo(k)fluoranthene
Concen: 97.713 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Instrument :
BNA_F
ClientSampleId :
PB119776BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	9.3	8.6	13.0

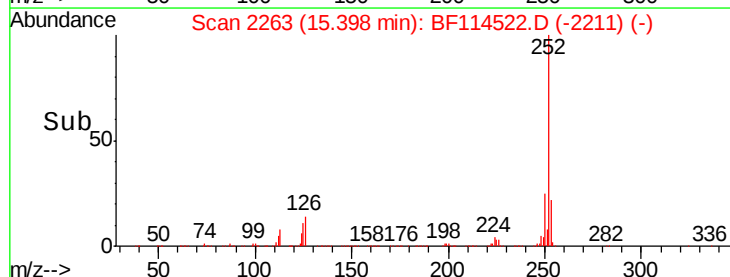
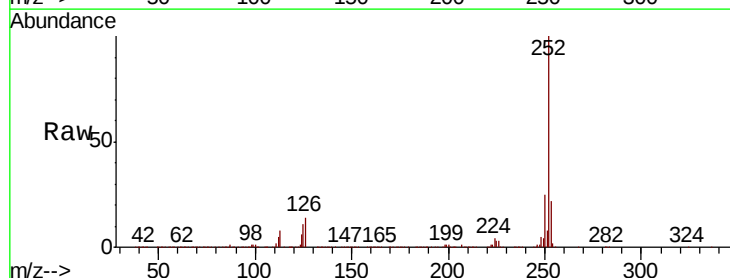
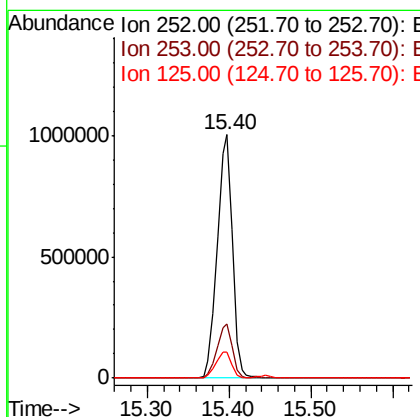
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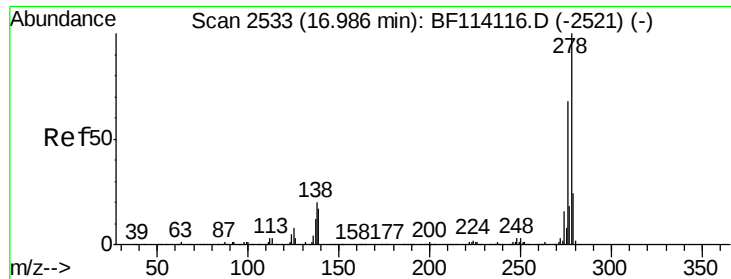
mohammad
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#90
Benzo(a)pyrene
Concen: 105.998 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF114522.D
Acq: 23 May 2019 13:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.8	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 100.794 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

Instrument :

BNA_F

ClientSampleId :

PB119776BS

Tot Ion:278 Resp: 1031413

Ion Ratio Lower Upper

278 100

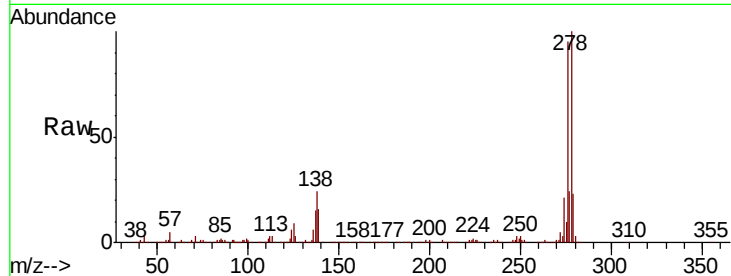
139 15.8 13.5 20.3

279 23.1 19.0 28.6

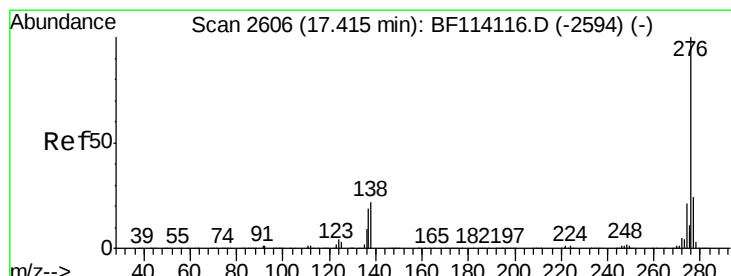
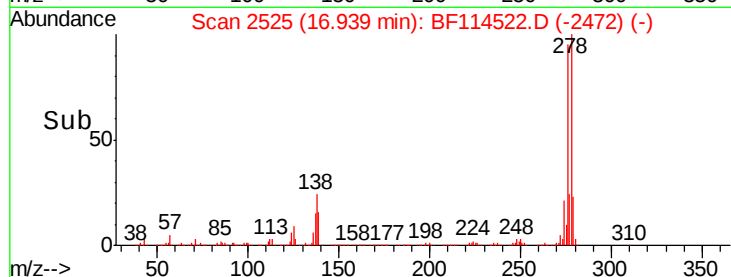
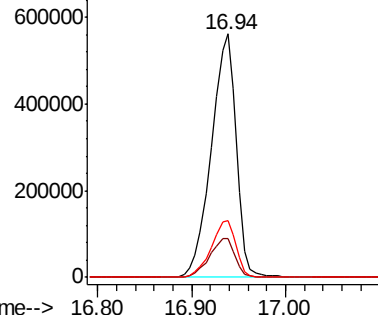
Manual Integrations
APPROVED

mohammad

5/24/2019 1:36:28 PM



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: 101.485 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BF114522.D

Acq: 23 May 2019 13:26

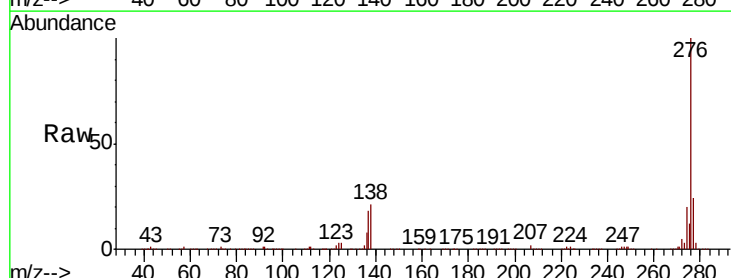
Tgt Ion:276 Resp: 1040714

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 21.3 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

