

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114486.D
 Acq On : 22 May 2019 15:24
 Operator : JU/SJ
 Sample : PB119674BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Manual Integrations
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mohammad
 5/23/2019 4:07:45 AM

Quant Time: May 22 16:14:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	213444	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	847210	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	411102	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	827985	20.00	ng	0.00
76) Chrysene-d12	14.00	240	596736	20.00	ng	0.00
87) Perylene-d12	15.47	264	598906	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1349555	101.75	ng	0.00
7) Phenol-d6	6.48	99	1720121	109.65	ng	0.00
23) Nitrobenzene-d5	7.39	82	1198492	79.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	444810	104.66	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2110201	77.65	ng	0.00
79) Terphenyl-d14	12.94	244	2240867	77.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	214744	29.456	ng	98
3) Pyridine	3.43	79	559224	27.841	ng	98
4) n-Nitrosodimethylamine	3.38	42	290869	30.029	ng	97
6) Aniline	6.49	93	509960	22.504	ng	# 12
8) 2-Chlorophenol	6.62	128	523359	36.962	ng	95
9) Benzaldehyde	6.38	77	282563	25.729	ng	100
10) Phenol	6.49	94	630288	34.155	ng	89
11) bis(2-Chloroethyl)ether	6.56	93	516371	36.857	ng	99
12) 1,3-Dichlorobenzene	6.77	146	546202	34.365	ng	98
13) 1,4-Dichlorobenzene	6.85	146	560691	35.008	ng	98
14) 1,2-Dichlorobenzene	7.00	146	512497	35.025	ng	99
15) Benzyl Alcohol	6.98	79	400358	32.722	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.10	45	915079	33.687	ng	75
17) 2-Methylphenol	7.09	107	416920	35.844	ng	# 92
18) Hexachloroethane	7.34	117	207731	34.554	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	359375	36.143	ng	98
20) 3+4-Methylphenols	7.25	107	533922	39.730	ng	# 63
22) Acetophenone	7.24	105	703535	37.485	ng	# 91
24) Nitrobenzene	7.42	77	548401	35.667	ng	93
25) Isophorone	7.65	82	1004077	35.863	ng	99
26) 2-Nitrophenol	7.73	139	287781	38.578	ng	96
27) 2,4-Dimethylphenol	7.77	122	461099	39.356	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	644359	35.471	ng	98
29) 2,4-Dichlorophenol	7.98	162	437928	37.537	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	465753	35.108	ng	99
31) Naphthalene	8.13	128	1485073	37.526	ng	98
32) Benzoic acid	7.93	122	256617	33.246	ng	99
33) 4-Chloroaniline	8.19	127	377501	20.933	ng	99
34) Hexachlorobutadiene	8.25	225	256690	34.006	ng	98
35) Caprolactam	8.56	113	150025m	39.437	ng	
36) 4-Chloro-3-methylphenol	8.68	107	460873	39.245	ng	99
37) 2-Methylnaphthalene	8.83	142	1001356	39.218	ng	97
38) 1-Methylnaphthalene	8.93	142	947175	39.392	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	456166	36.631	ng	99

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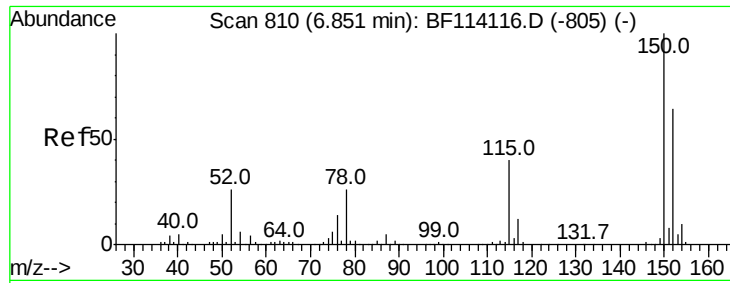
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	255812	46.033	nq	99
43) 2,4,6-Trichlorophenol	9.11	196	287763	33.595	nq	100
44) 2,4,5-Trichlorophenol	9.16	196	299477	34.092	nq	99
46) 1,1'-Biphenyl	9.29	154	1219066	36.706	nq	99
47) 2-Chloronaphthalene	9.32	162	929612	34.780	nq	99
48) 2-Nitroaniline	9.42	65	316582	33.398	nq	100
49) Acenaphthylene	9.73	152	1474472	36.271	nq	98
50) Dimethylphthalate	9.59	163	1067540	35.374	nq	99
51) 2,6-Dinitrotoluene	9.66	165	243025	36.307	nq	95
52) Acenaphthene	9.90	154	859090	34.438	nq	99
53) 3-Nitroaniline	9.83	138	178386	21.469	nq	99
54) 2,4-Dinitrophenol	9.95	184	216851	65.741	nq	95
55) Dibenzofuran	10.07	168	1257439	34.376	nq	99
56) 4-Nitrophenol	10.01	139	264735	45.053	nq	100
57) 2,4-Dinitrotoluene	10.07	165	307880	33.888	nq	# 86
58) Fluorene	10.42	166	1025815	36.306	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	275712	36.376	nq	95
60) Diethylphthalate	10.29	149	1077197	35.130	nq	98
61) 4-Chlorophenyl-phenylether	10.40	204	498004	35.887	nq	99
62) 4-Nitroaniline	10.45	138	284401	32.573	nq	96
63) Azobenzene	10.57	77	1050432	35.391	nq	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	144493	36.318	nq	94
66) n-Nitrosodiphenylamine	10.53	169	929536	36.990	nq	98
67) 4-Bromophenyl-phenylether	10.89	248	313248	34.361	nq	97
68) Hexachlorobenzene	10.97	284	337771	33.492	nq	93
69) Atrazine	11.05	200	278743	35.644	nq	98
70) Pentachlorophenol	11.17	266	257064	53.770	nq	99
71) Phenanthrene	11.38	178	1480986	36.765	nq	99
72) Anthracene	11.43	178	1530201	37.820	nq	99
73) Carbazole	11.59	167	1457959	37.788	nq	99
74) Di-n-butylphthalate	11.91	149	1687251	37.958	nq	99
75) Fluoranthene	12.57	202	1621968	37.391	nq	98
77) Benzdine	12.69	184	808090	30.168	nq	96
78) Pyrene	12.80	202	1643140	34.229	nq	100
80) Butylbenzylphthalate	13.40	149	744862	36.864	nq	98
81) Benzo(a)anthracene	13.99	228	1390182	36.018	nq	100
82) 3,3'-Dichlorobenzidine	13.95	252	385136	25.723	nq	97
83) Chrysene	14.03	228	1369485	36.196	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1010836	38.251	nq	100
85) Di-n-octyl phthalate	14.58	149	1678292	39.177	nq	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1191444	35.631	nq	99
88) Benzo(b)fluoranthene	15.05	252	1424889	37.136	nq	99
89) Benzo(k)fluoranthene	15.07	252	1229130	34.873	nq	100
90) Benzo(a)pyrene	15.42	252	1269474	37.594	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	1004331	35.792	nq	99
92) Benzo(g,h,i)perylene	17.40	276	996010	35.420	nq	99

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



#1

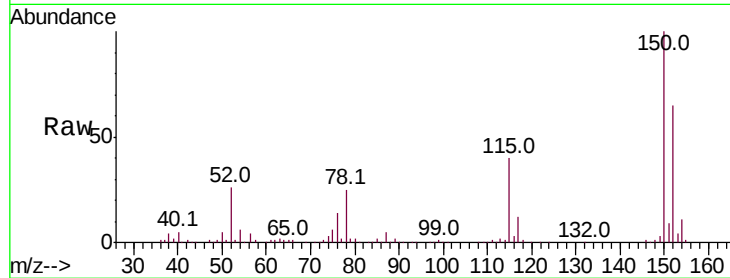
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleID :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	61.0	49.1	73.7

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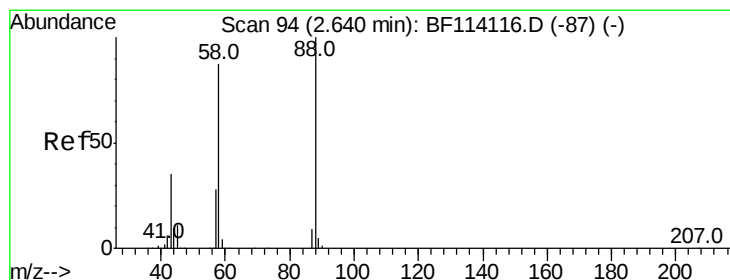
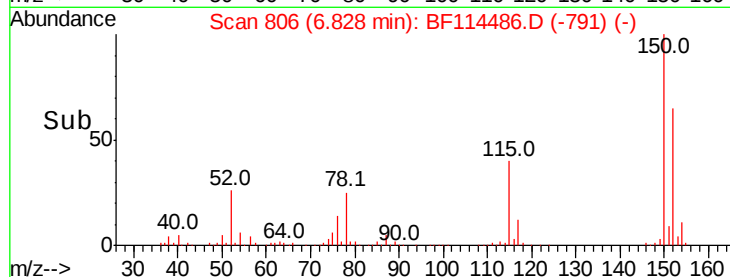
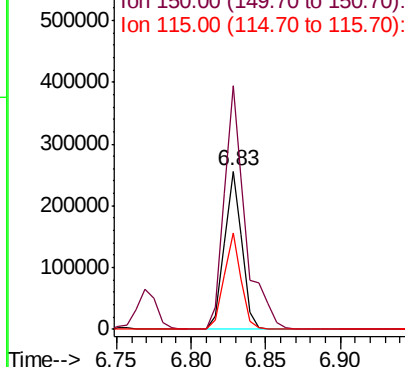


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

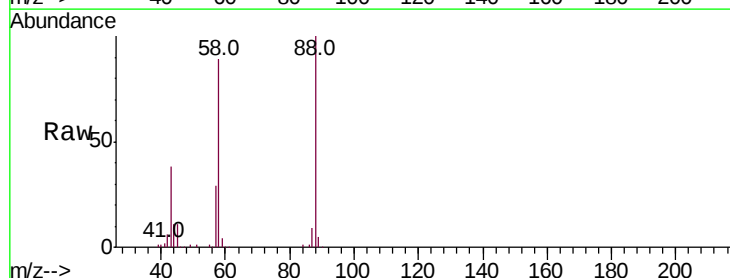
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 29.456 ng
RT: 2.68 min Scan# 101
Delta R.T. 0.10 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.3	68.7	103.1
43	37.2	28.2	42.2

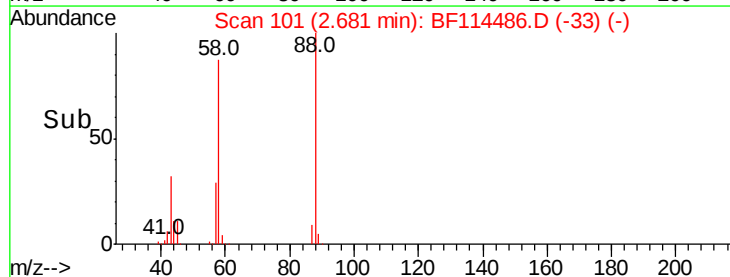
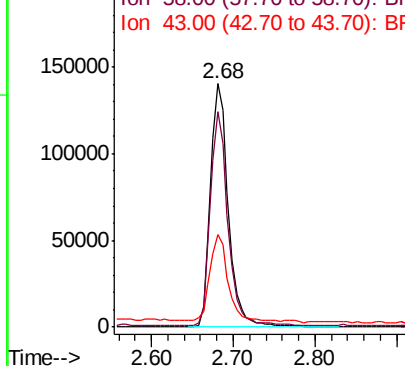


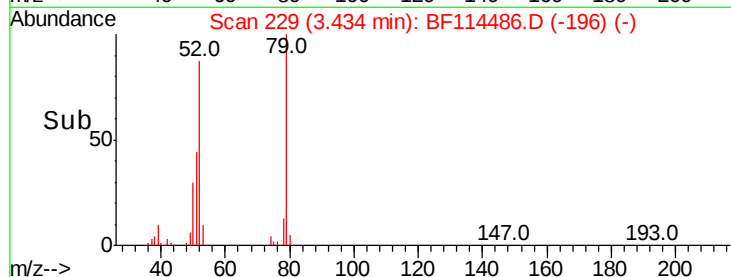
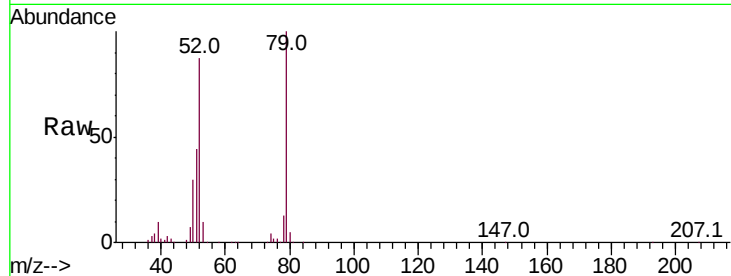
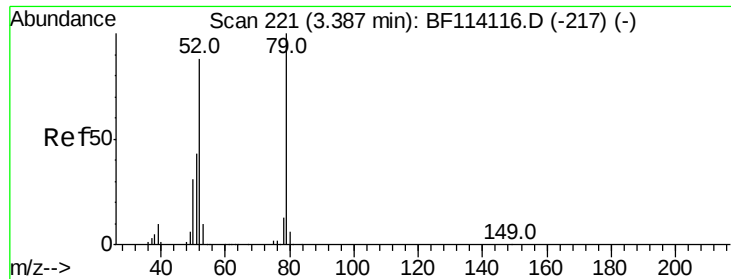
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





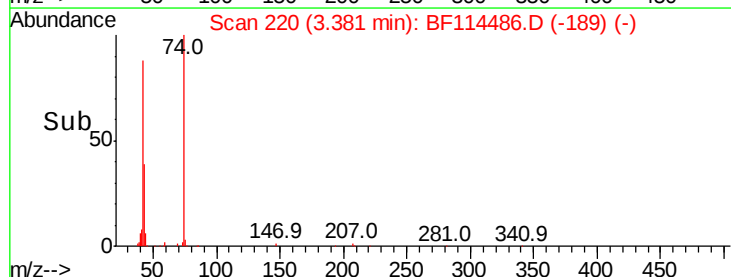
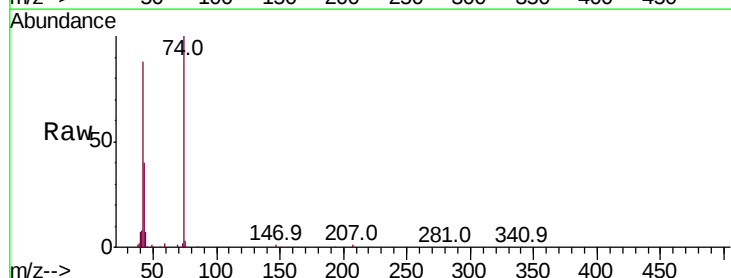
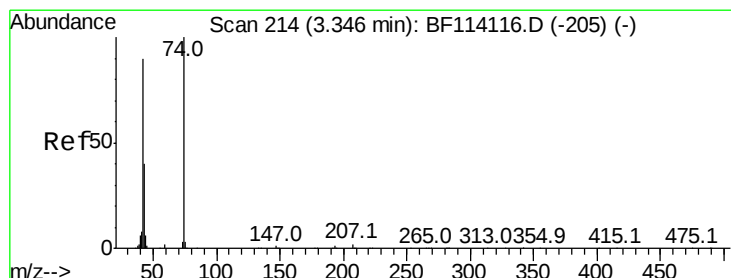
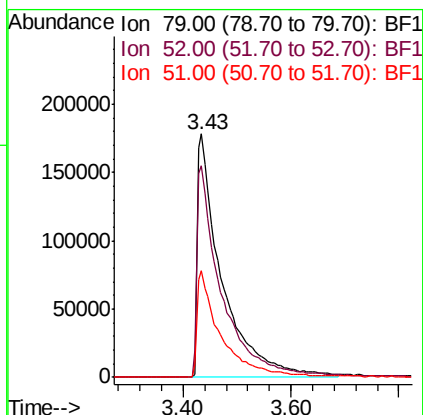
#3
Pvridine
Concen: 27.841 ng
RT: 3.43 min Scan# 229
Delta R.T. 0.09 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tot Ion: 79 Resp: 559224
Ion Ratio Lower Upper
79 100
52 86.7 70.6 105.8
51 43.7 34.2 51.2

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

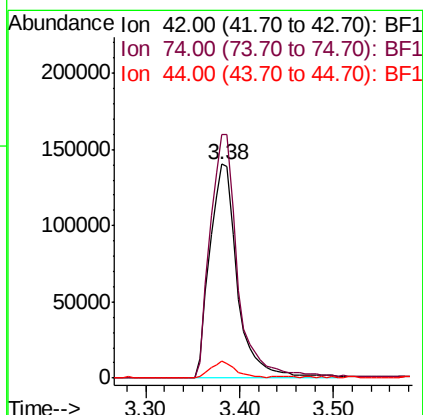
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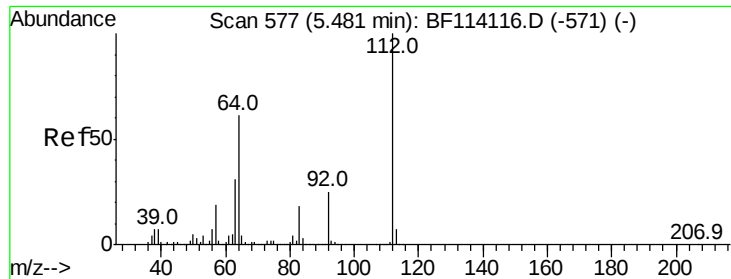
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#4
n-Nitrosodimethylamine
Concen: 30.029 ng
RT: 3.38 min Scan# 220
Delta R.T. 0.08 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion: 42 Resp: 290869
Ion Ratio Lower Upper
42 100
74 113.6 88.6 132.8
44 7.8 5.5 8.3





#5

2-Fluorophenol

Concen: 101.750 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:112 Resp: 1349555

Ion Ratio Lower Upper

112 100

64 62.9 49.0 73.6

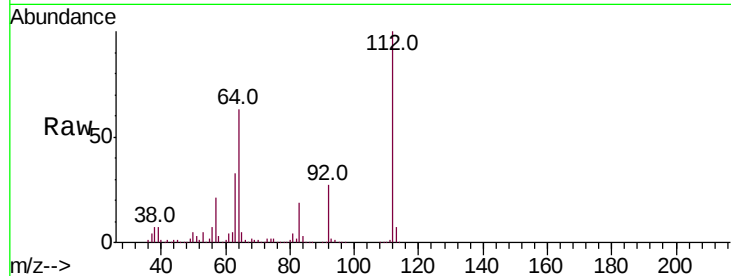
63 32.9 24.6 37.0

Manual Integrations

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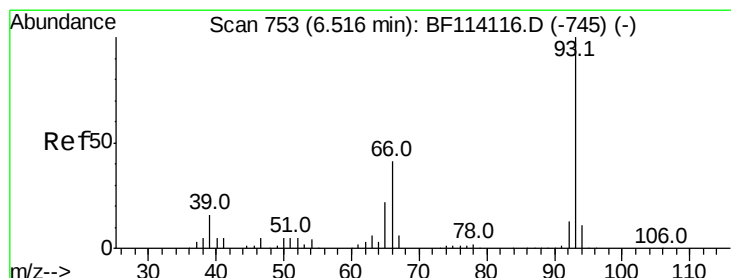
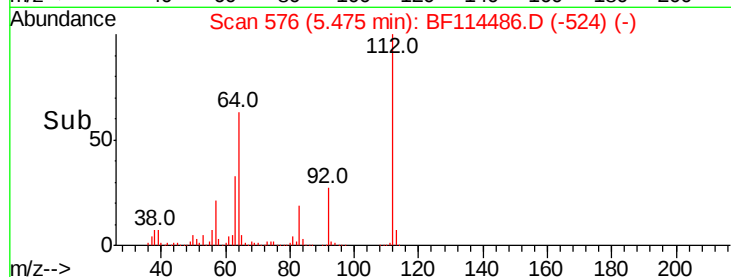
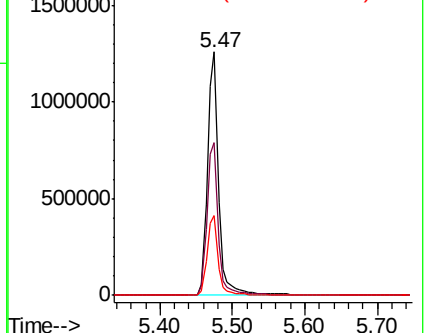
5/23/2019 4:07:45 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.504 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

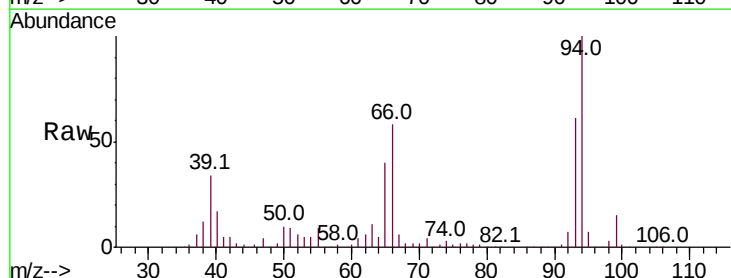
Tgt Ion: 93 Resp: 509960

Ion Ratio Lower Upper

93 100

66 95.9 33.2 49.8#

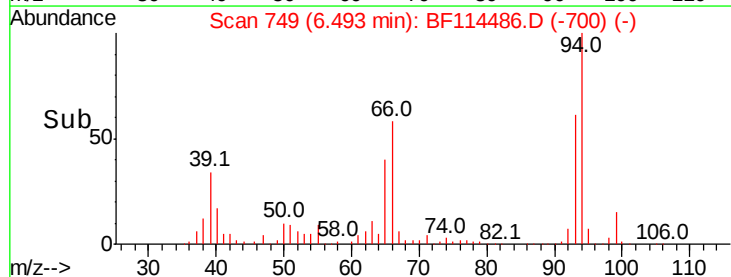
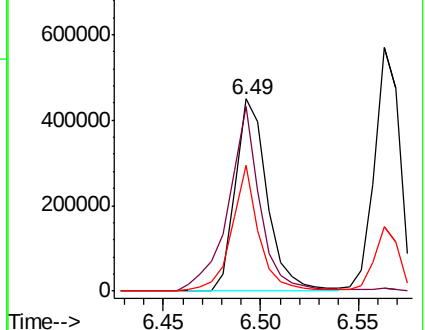
65 65.4 17.6 26.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 109.652 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

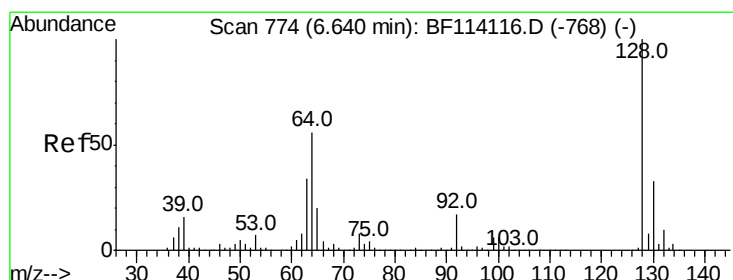
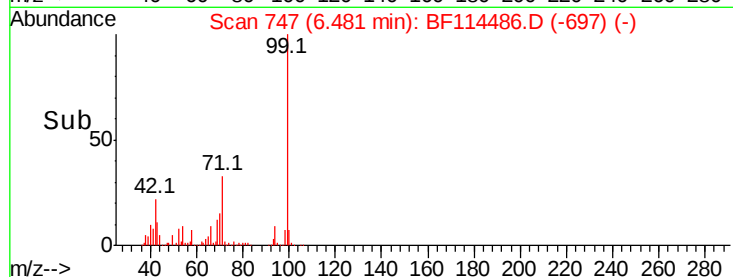
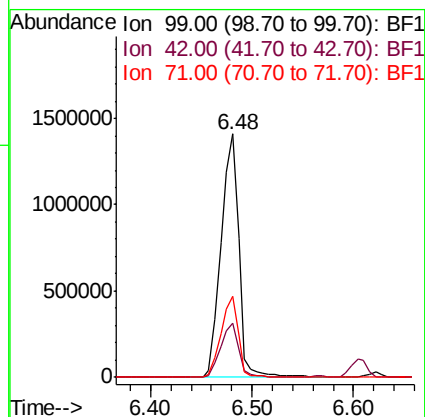
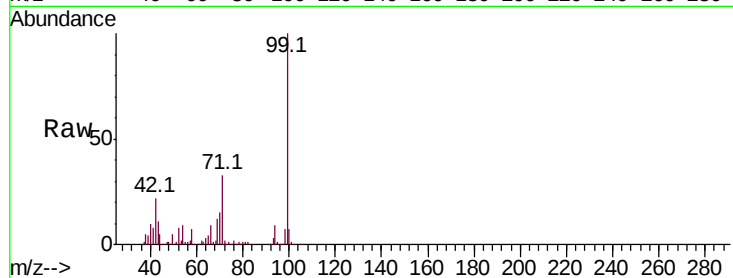
ClientSampleId :

PB119674BSD

Tot Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.9	26.9
71	33.0	26.2	39.2

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#8

2-Chlorophenol

Concen: 36.962 ng

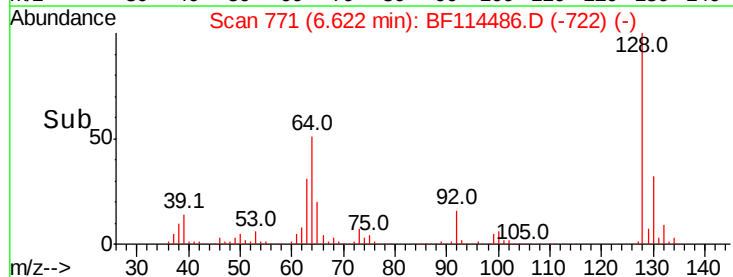
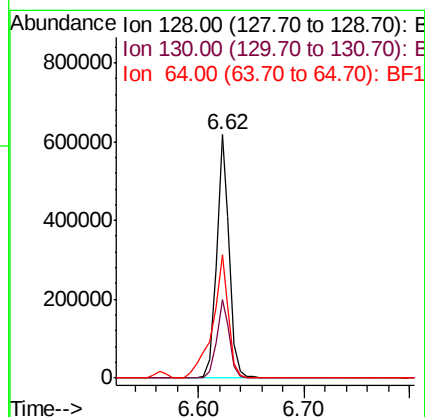
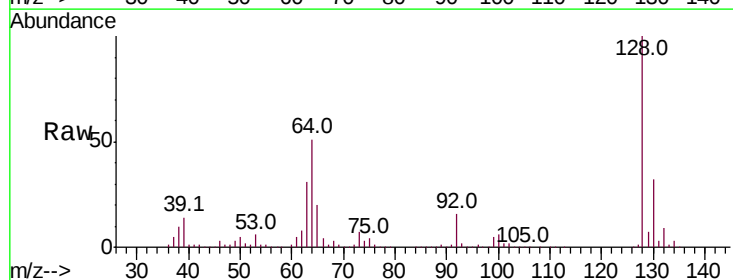
RT: 6.62 min Scan# 771

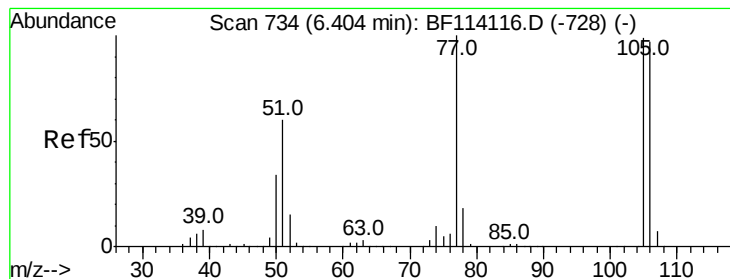
Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	50.6	35.9	75.9





#9

Benzaldehyde

Concen: 25.729 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

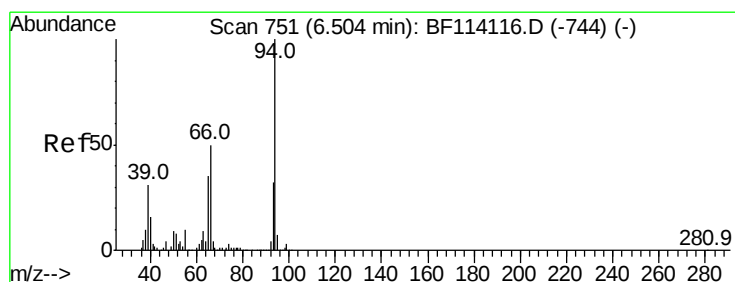
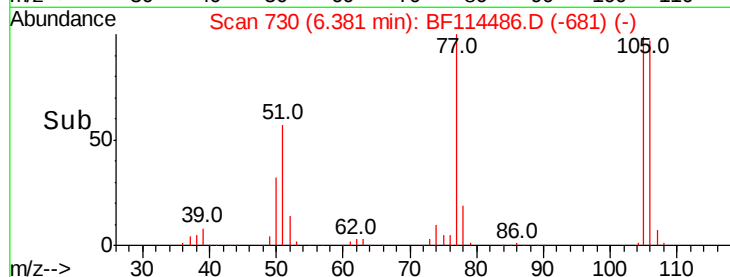
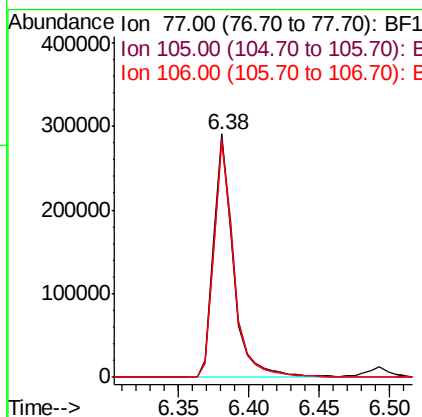
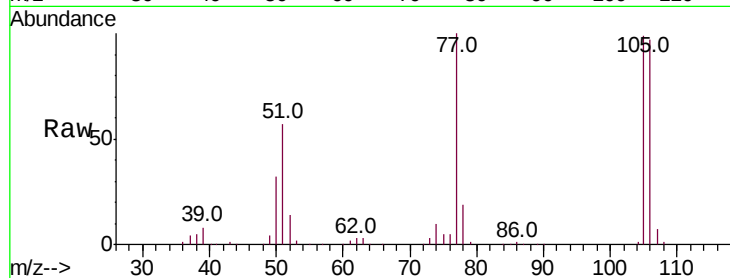
ClientSampleId :

PB119674BSD

Tot Ion	77	Resp	282563
Ion	Ratio	Lower	Upper
77	100		
105	98.7	79.3	119.3
106	96.8	77.0	117.0

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#10

Phenol

Concen: 34.155 ng

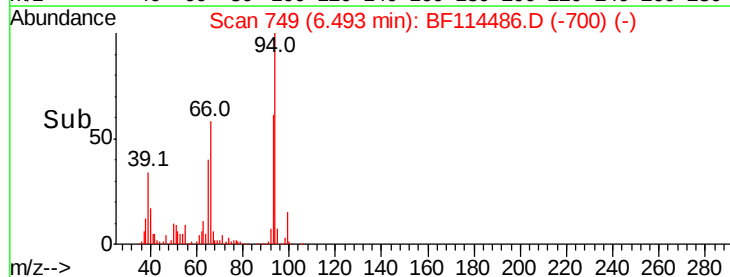
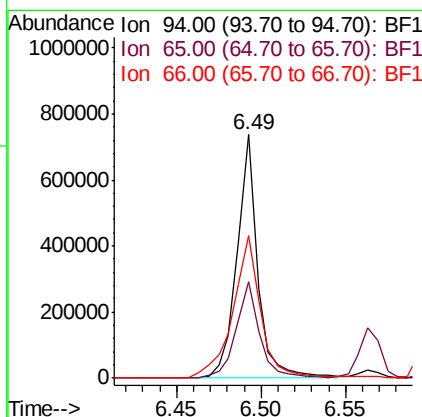
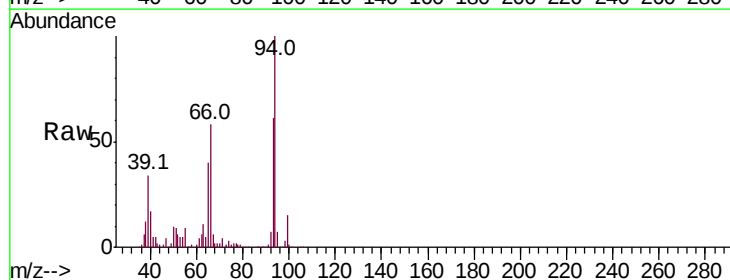
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion	94	Resp	630288
Ion	Ratio	Lower	Upper
94	100		
65	39.9	14.7	54.7
66	58.4	29.6	69.6





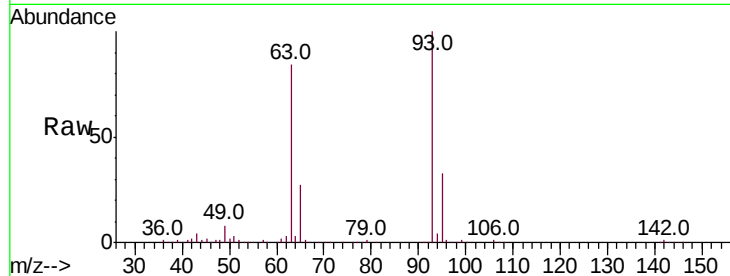
#11
bis(2-Chloroethyl)ether
Concen: 36.857 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

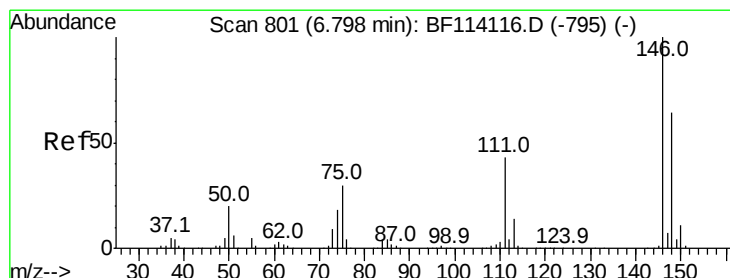
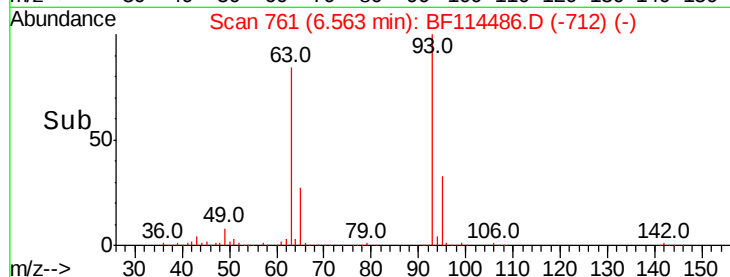
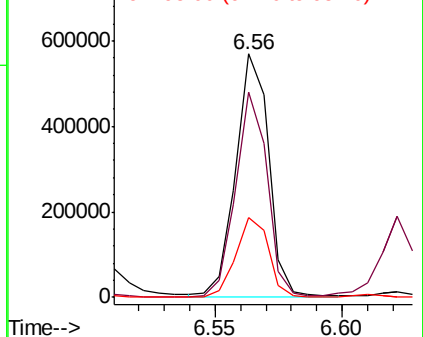
Tot Ion	Ratio	Resp	Lower	Upper
93	100	516371		
63	84.2	63.6	103.6	
95	33.0	13.1	53.1	

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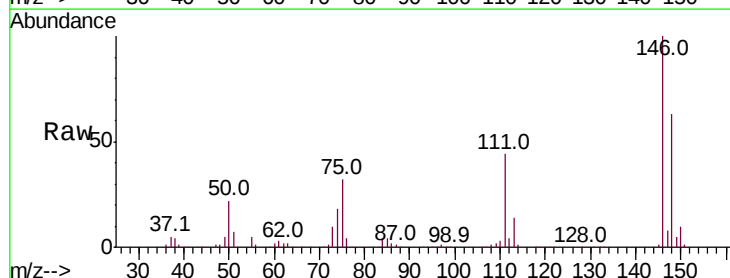


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

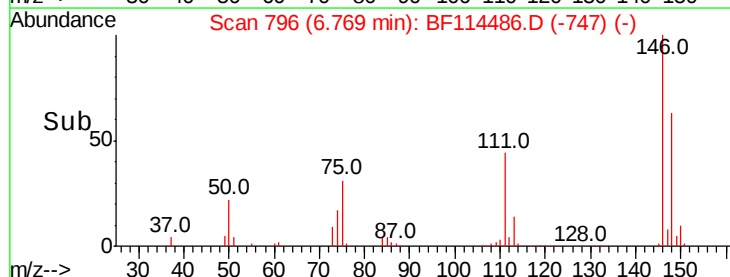
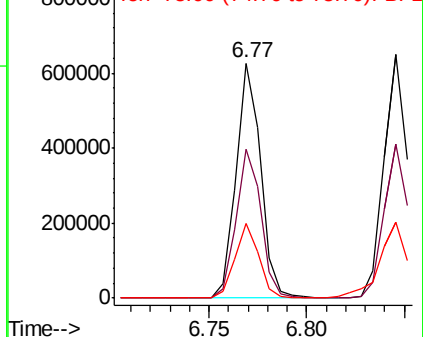


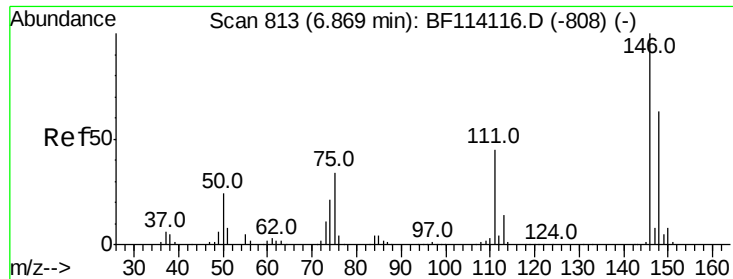
#12
1,3-Dichlorobenzene
Concen: 34.365 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	546202		
148	63.4	51.6	77.4	
75	31.7	24.2	36.2	



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





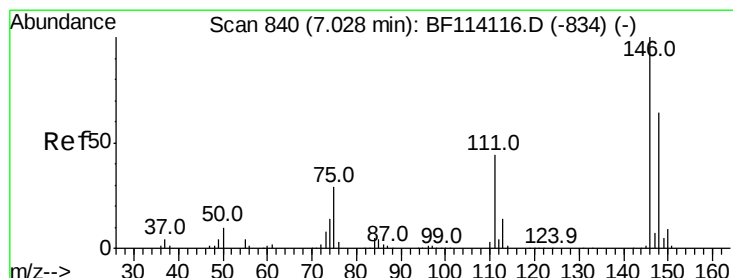
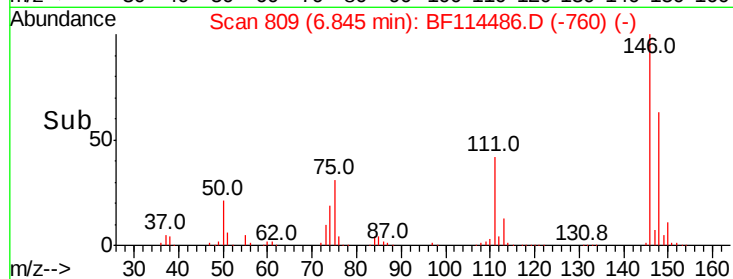
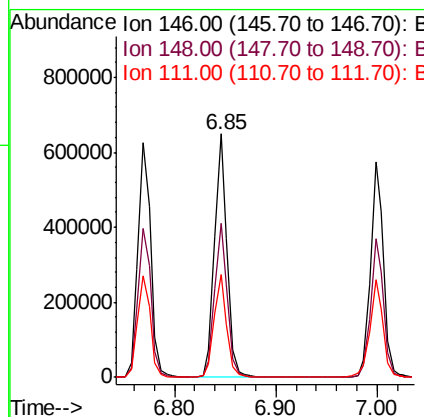
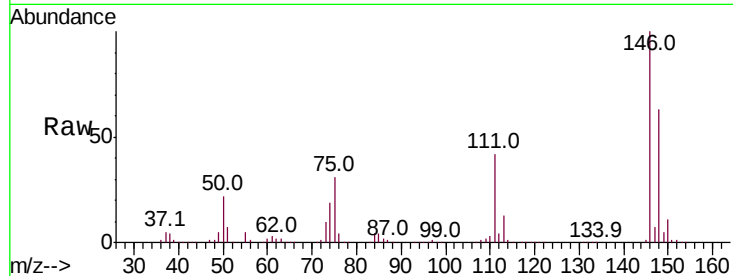
#13
 1,4-Dichlorobenzene
 Concen: 35.008 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.2	75.2
111	42.3	35.8	53.6

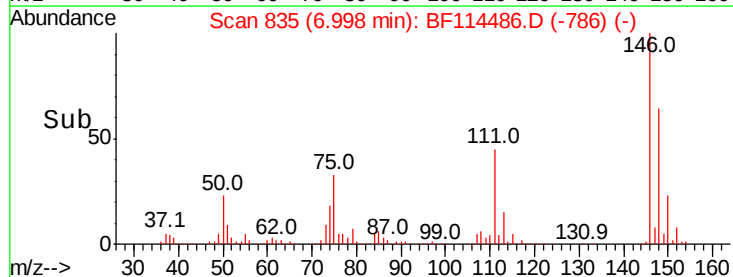
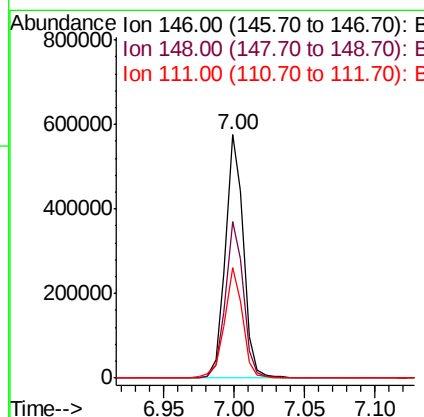
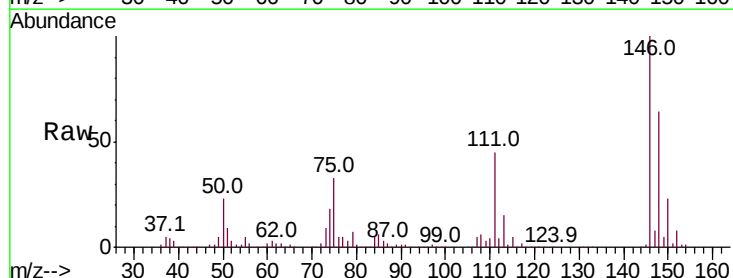
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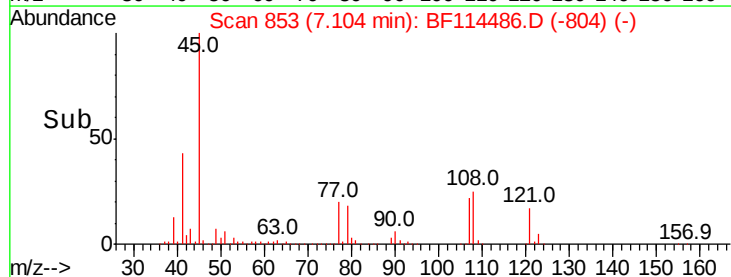
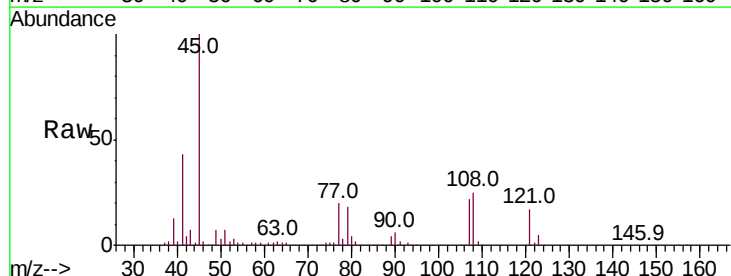
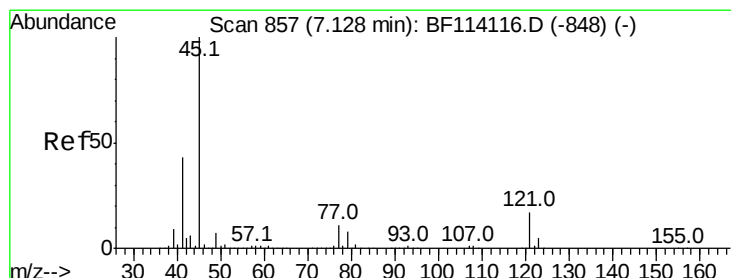
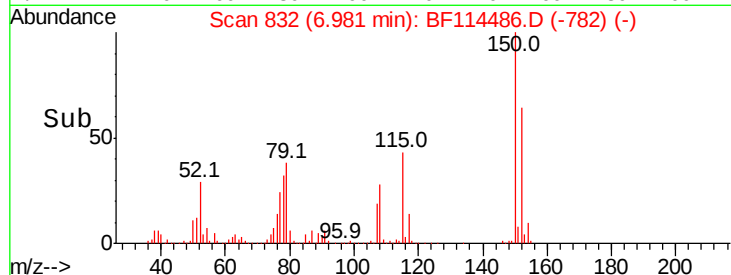
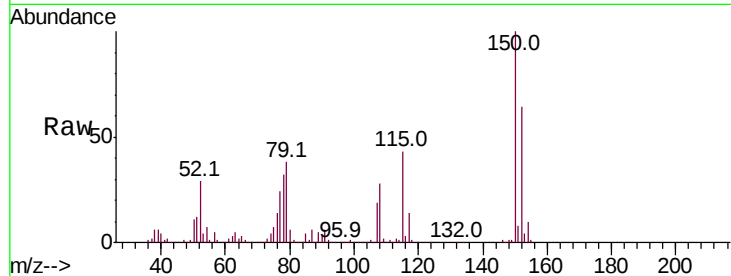
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#14
 1,2-Dichlorobenzene
 Concen: 35.025 ng
 RT: 7.00 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	45.3	35.3	52.9





#15

Benzyl Alcohol

Concen: 32.722 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tot Ion:	79	Resp:	400358
Ion Ratio	Lower	Upper	
79	100		
108	74.9	62.1	93.1
77	62.1	51.0	76.6

Instrument :

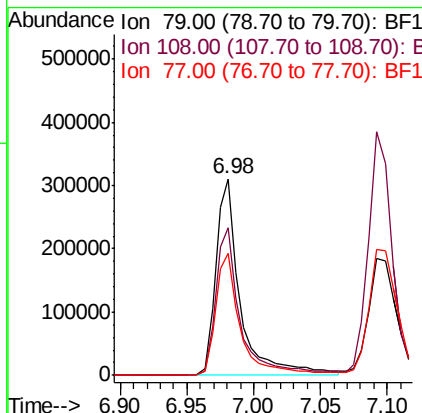
BNA_F

ClientSampled :

PB119674BSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.687 ng

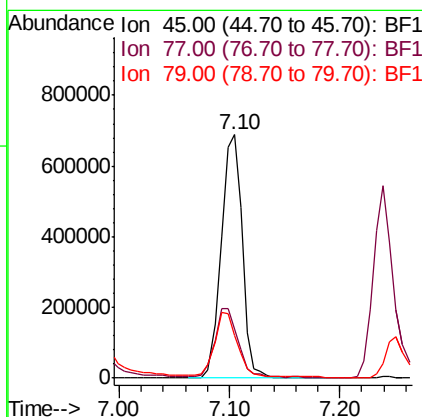
RT: 7.10 min Scan# 853

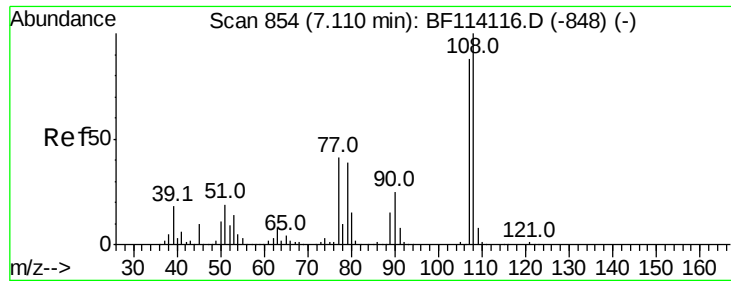
Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion:	45	Resp:	915079
Ion Ratio	Lower	Upper	
45	100		
77	20.2	0.0	31.1
79	17.7	0.0	28.4





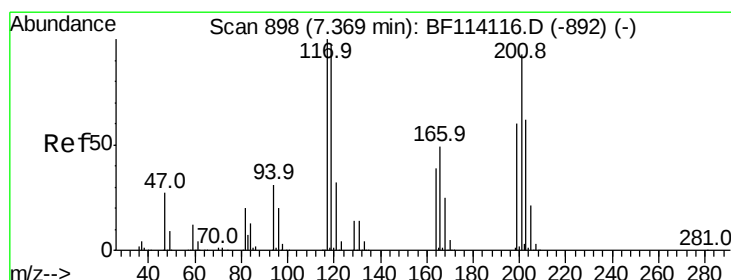
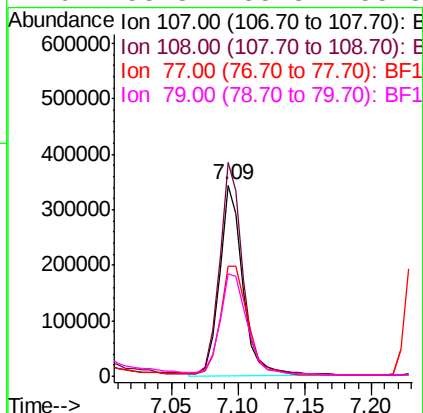
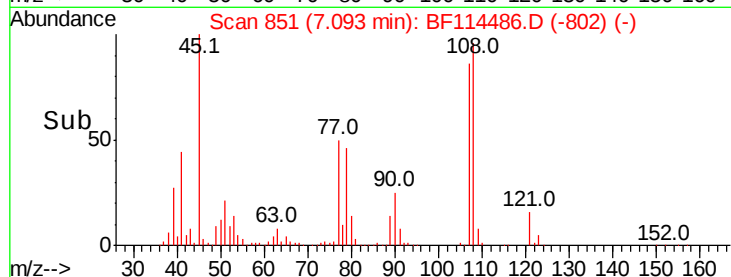
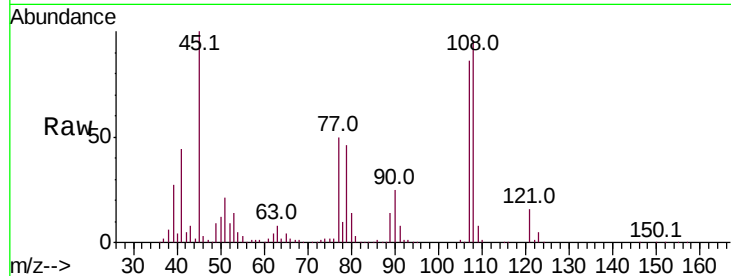
#17
2-Methylphenol
Concen: 35.844 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.9	90.5	135.7	
77	57.7	37.0	55.4	
79	53.8	35.8	53.8	

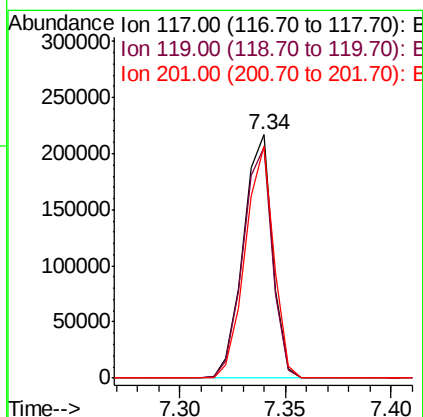
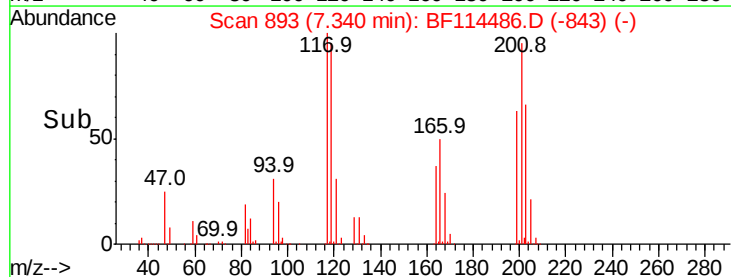
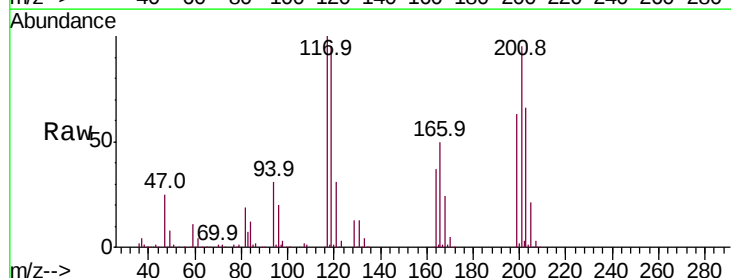
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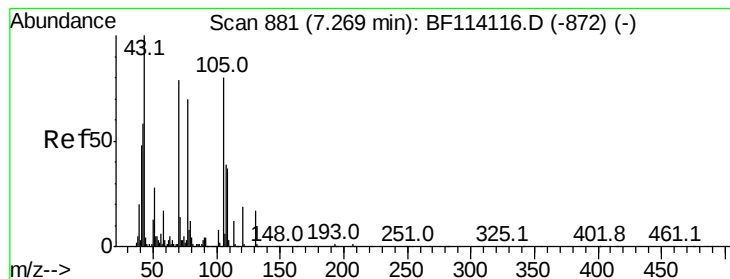
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#18
Hexachloroethane
Concen: 34.554 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	77.4	116.2	
201	95.1	74.5	111.7	





#19

n-Nitroso-di-n-propylamine

Concen: 36.143 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion: 70 Resp: 359375

Ion Ratio Lower Upper

70 100

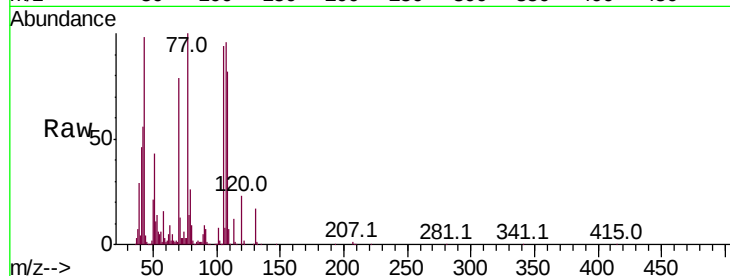
42 71.5 58.6 87.8

101 9.6 7.8 11.8

130 21.5 17.1 25.7

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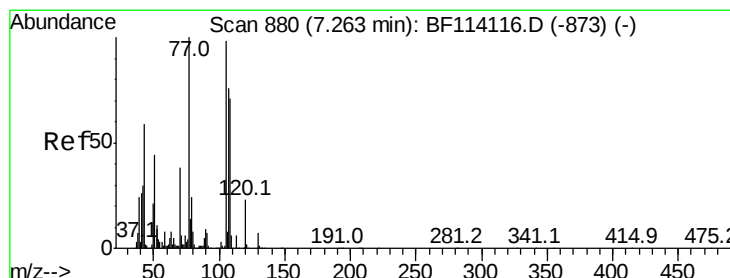
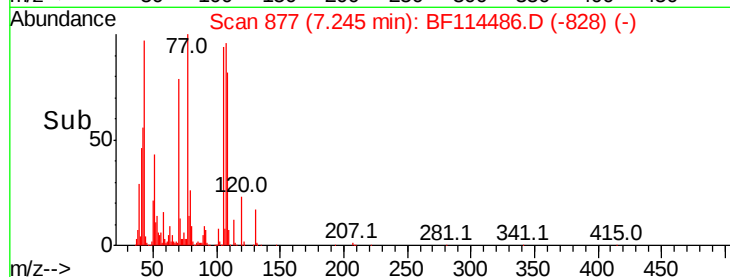
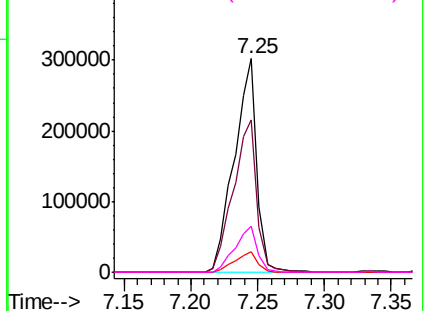


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 39.730 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion: 107 Resp: 533922

Ion Ratio Lower Upper

107 100

108 92.6 73.8 113.8

77 49.4 111.5 151.5#

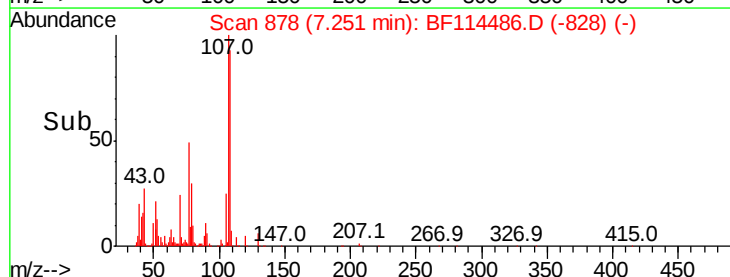
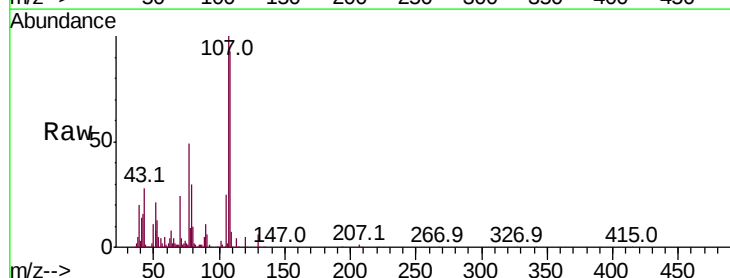
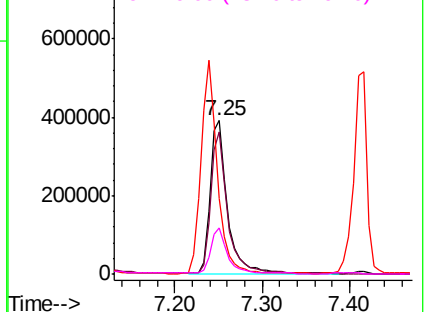
79 30.0 12.0 52.0

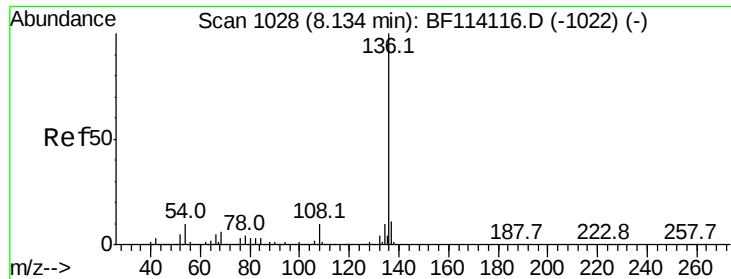
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





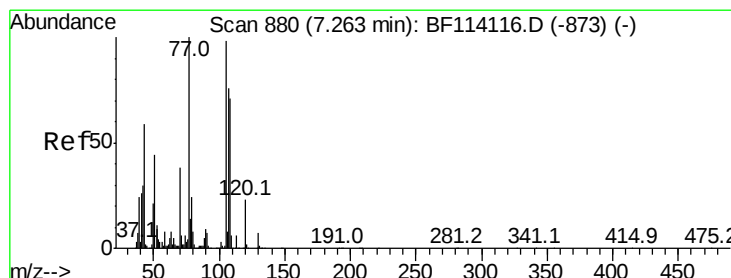
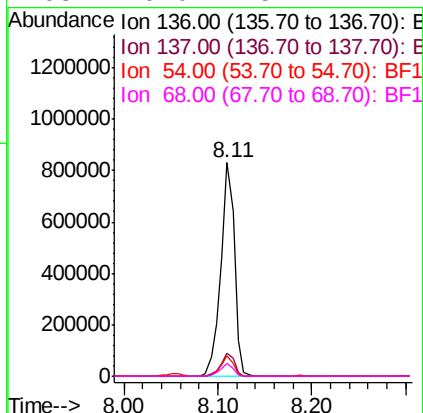
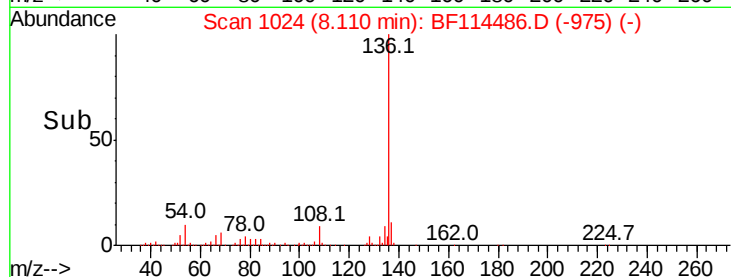
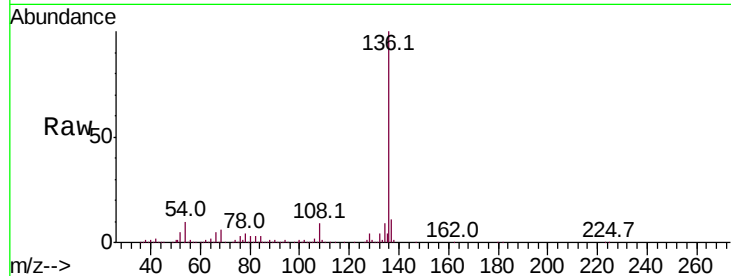
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.8	13.2	
54	9.5	7.8	11.8	
68	6.0	5.1	7.7	

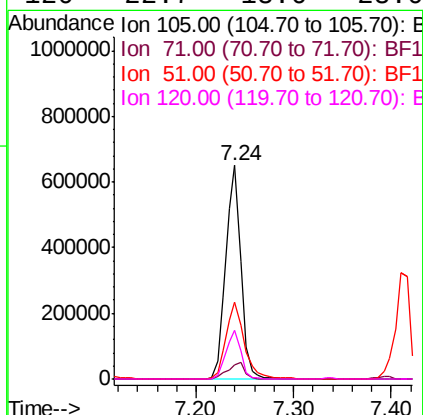
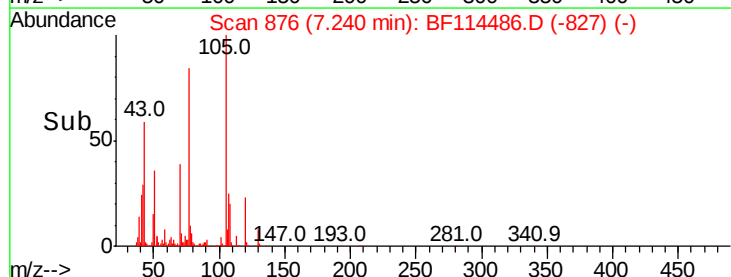
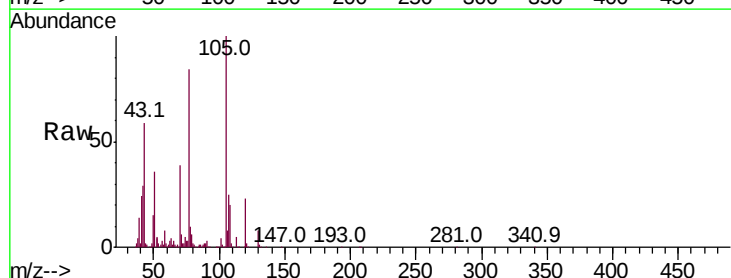
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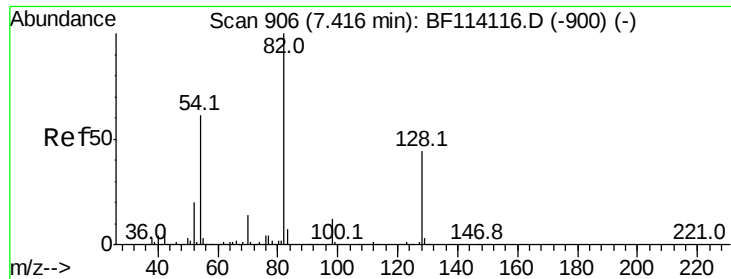
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#22
Acetophenone
Concen: 37.485 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.4	5.3	7.9	
51	35.9	36.2	54.4#	
120	22.7	18.6	28.0	





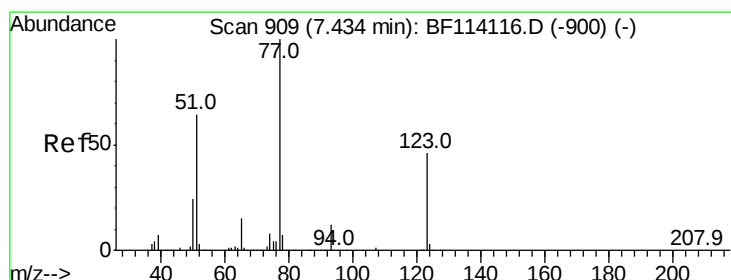
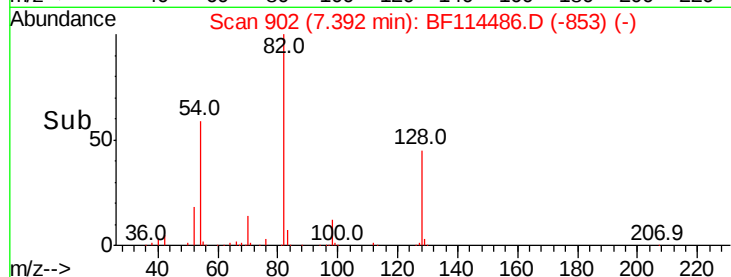
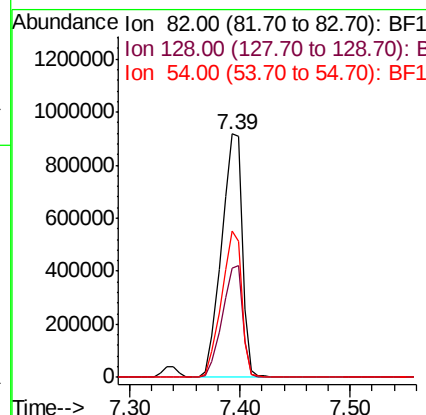
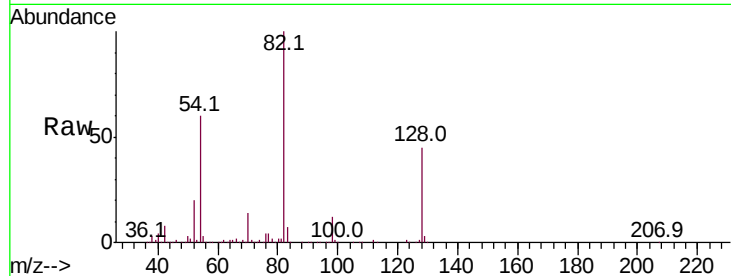
#23
 Nitrobenzene-d5
 Concen: 79.389 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.5	53.3
54	60.1	48.5	72.7

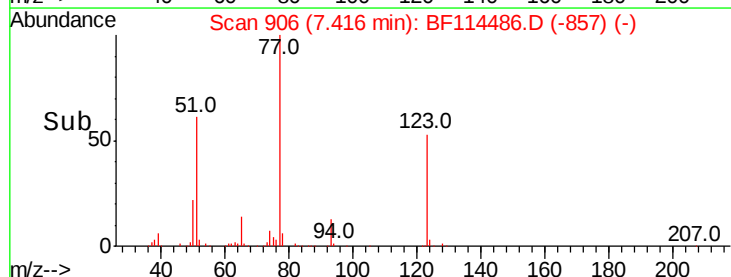
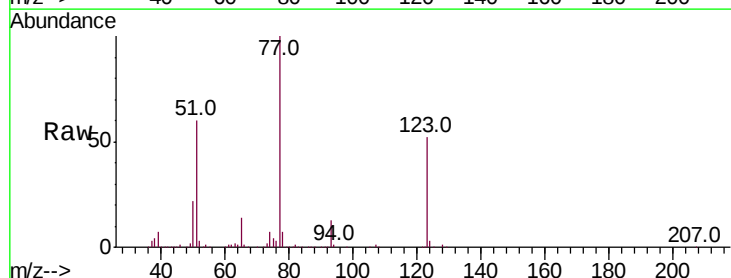
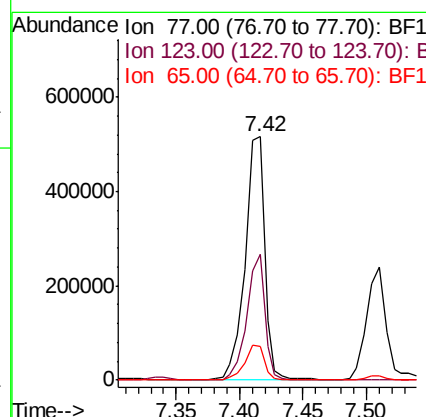
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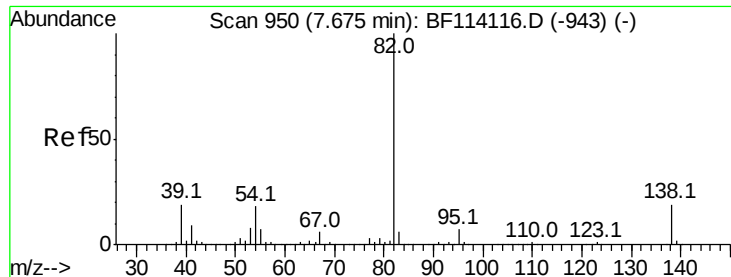
mohammad
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#24
 Nitrobenzene
 Concen: 35.667 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.8	36.9	55.3
65	13.9	11.8	17.6





#25

Isophorone

Concen: 35.863 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion: 82 Resp: 1004077

Ion Ratio Lower Upper

82 100

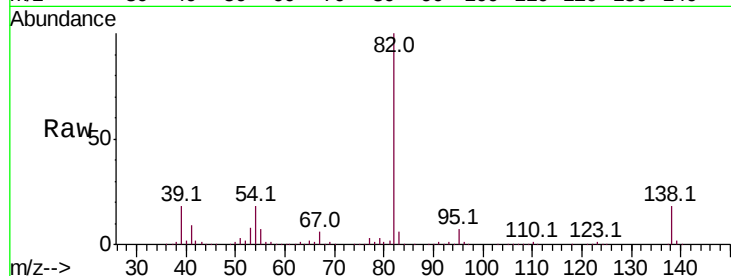
95 6.8 5.6 8.4

138 18.1 14.8 22.2

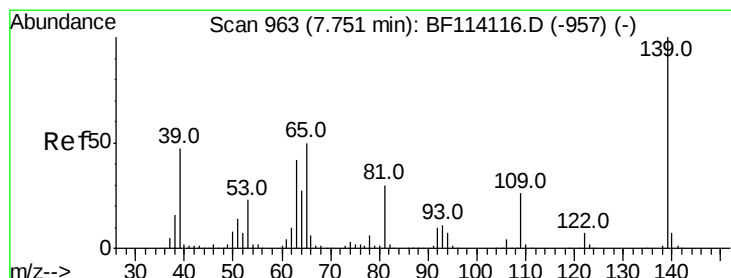
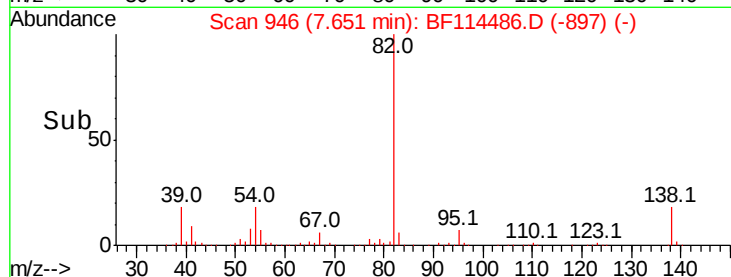
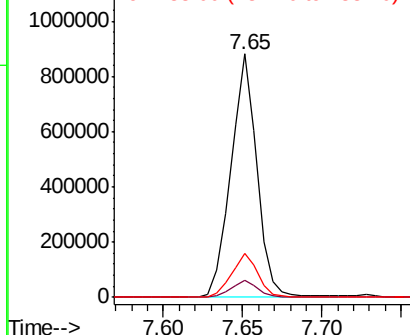
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 38.578 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

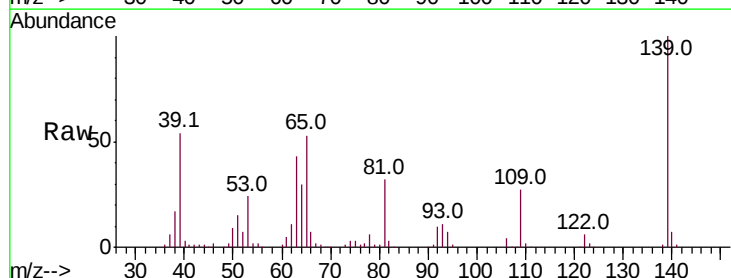
Tgt Ion: 139 Resp: 287781

Ion Ratio Lower Upper

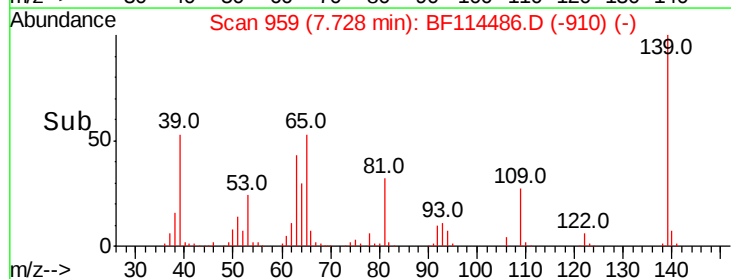
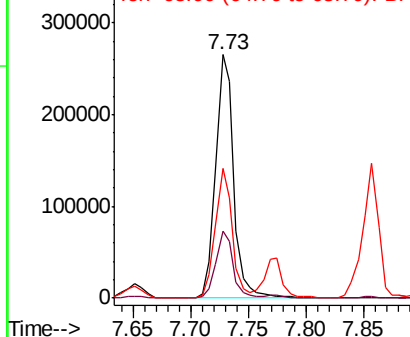
139 100

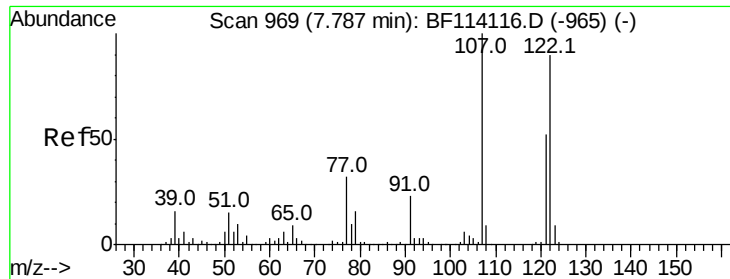
109 27.3 20.7 31.1

65 53.1 40.2 60.2



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





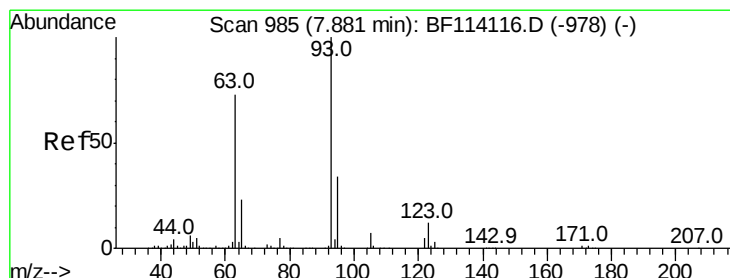
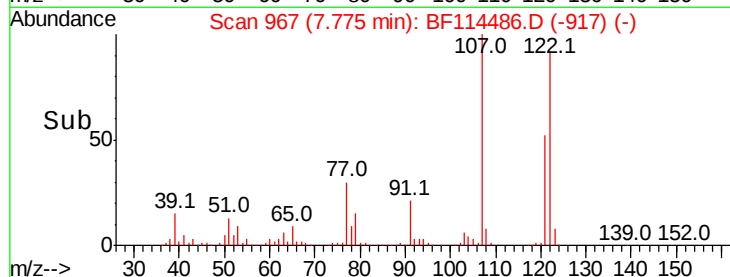
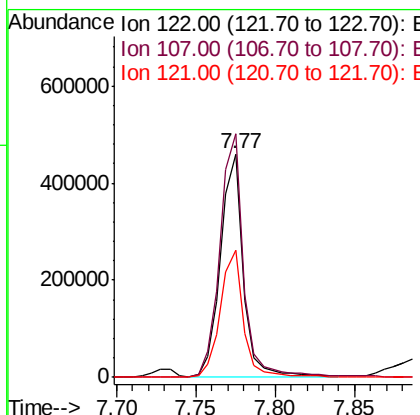
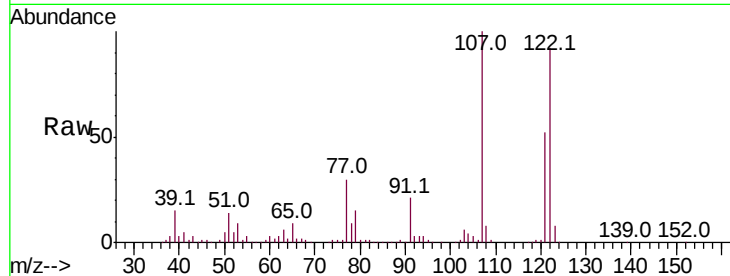
#27
2,4-Dimethylphenol
Concen: 39.356 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.9	88.4	132.6
121	57.0	45.9	68.9

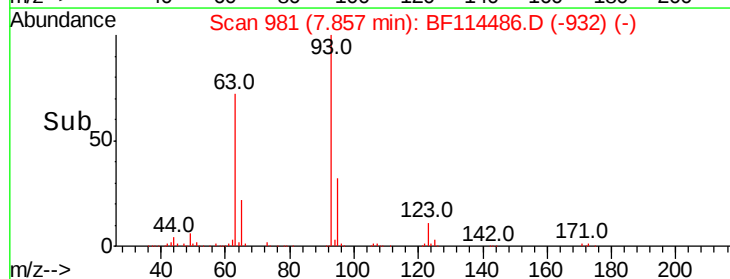
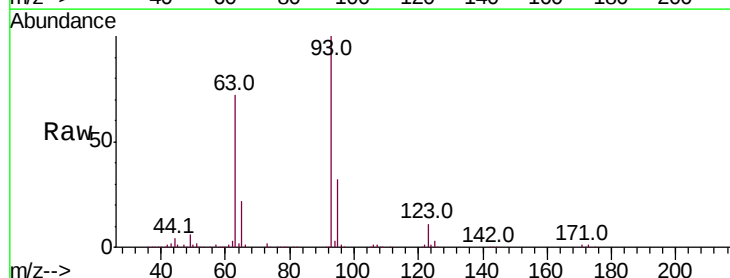
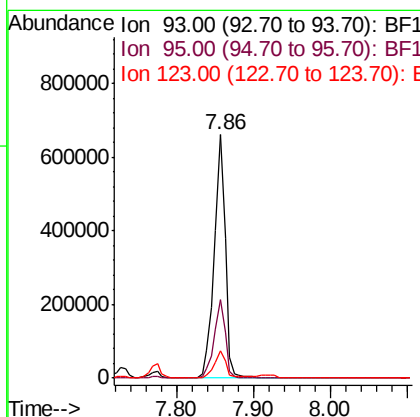
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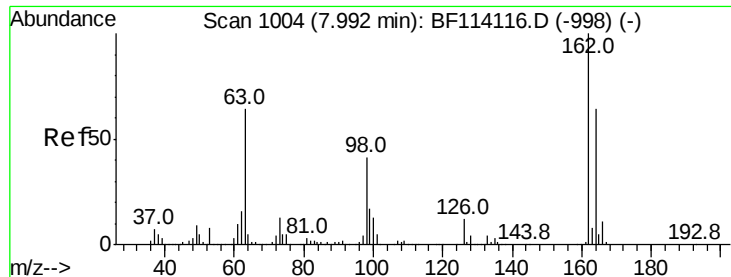
mohammad
5/23/2019 4:07:45 AM



#28
bis(2-Chloroethoxy)methane
Concen: 35.471 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.8	40.2
123	11.3	9.5	14.3





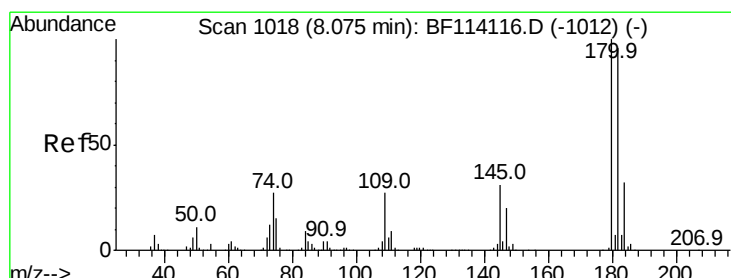
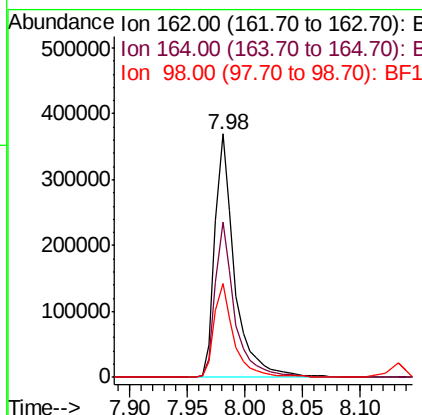
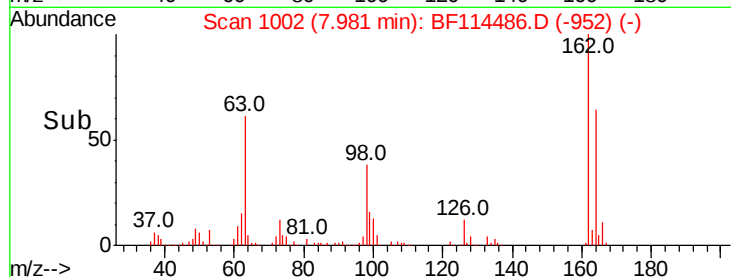
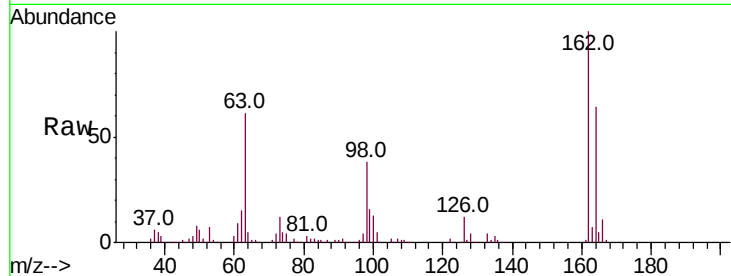
#29
 2,4-Dichlorophenol
 Concen: 37.537 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleID :
 PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	437928		
164	64.0	43.6	83.6	
98	38.4	20.6	60.6	

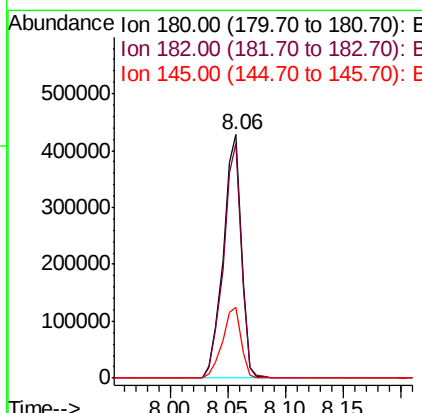
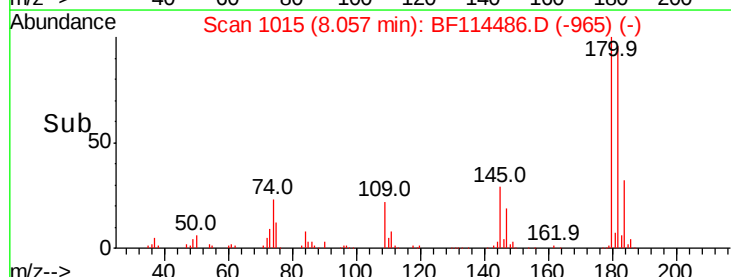
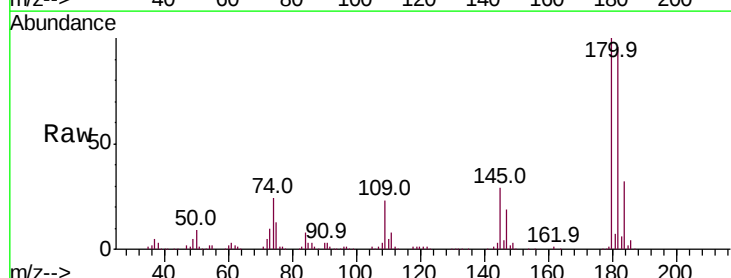
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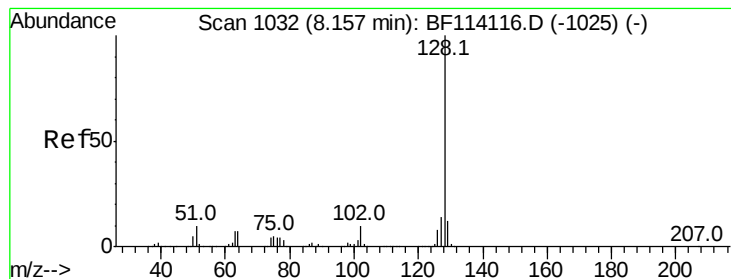
mohammad
 5/23/2019 4:07:45 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 35.108 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	465753		
182	96.1	76.6	114.8	
145	29.2	25.1	37.7	





#31

Naphthalene

Concen: 37.526 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:128 Resp: 1485073

Ion Ratio Lower Upper

128 100

129 11.3 9.6 14.4

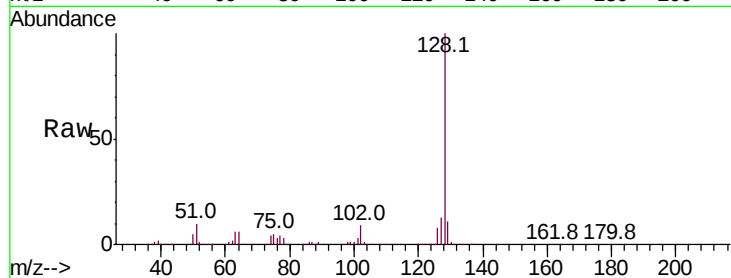
127 13.4 11.3 16.9

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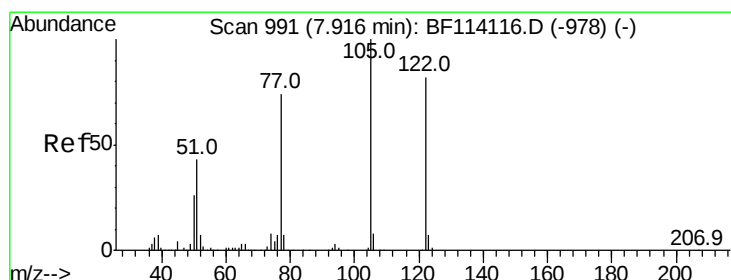
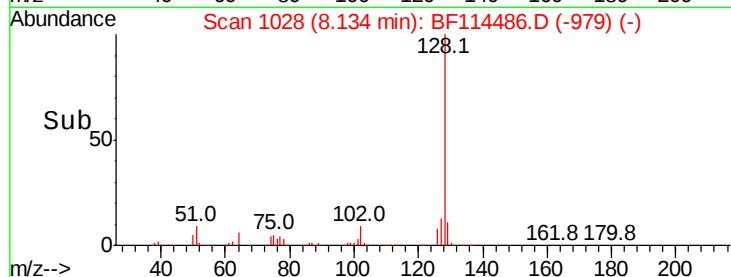
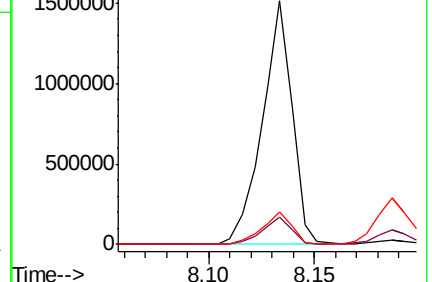
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 33.246 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

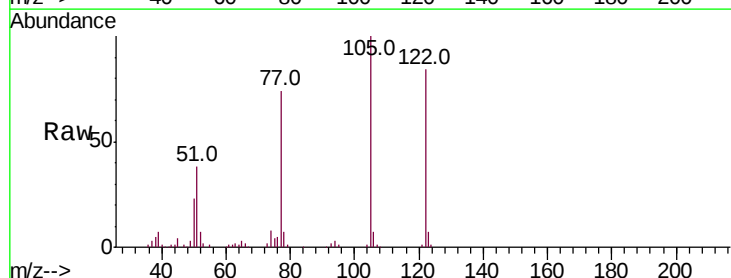
Tgt Ion:122 Resp: 256617

Ion Ratio Lower Upper

122 100

105 118.5 99.9 139.9

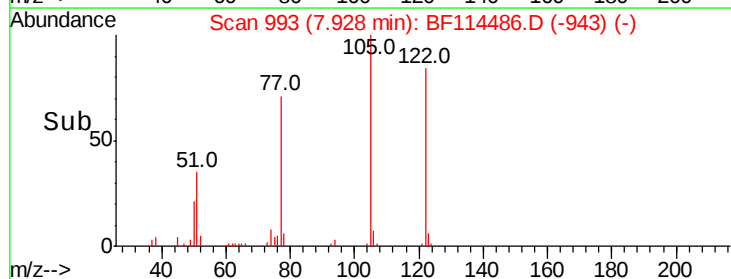
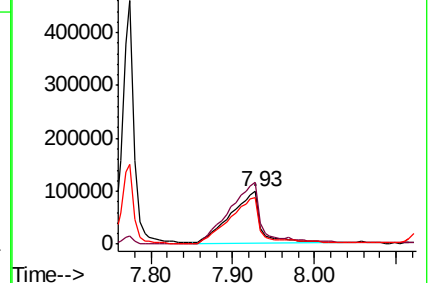
77 88.2 69.4 109.4



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





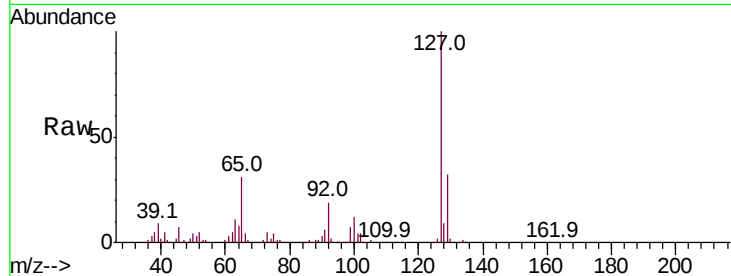
#33
4-Chloroaniline
Concen: 20.933 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

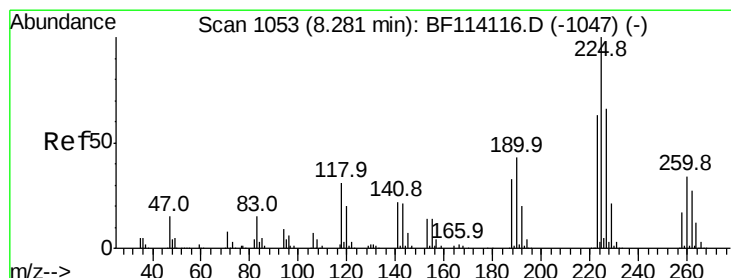
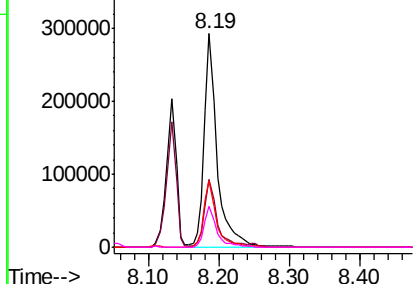
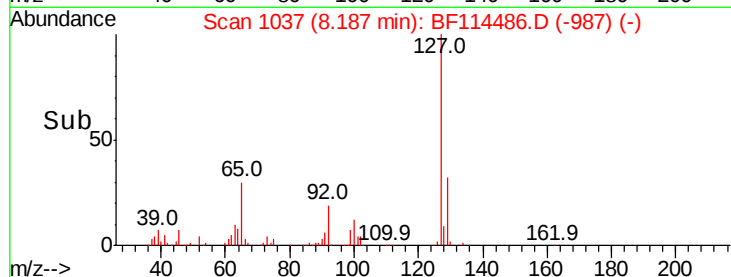
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.0	26.7	40.1	
65	31.3	25.4	38.0	
92	19.5	15.4	23.2	

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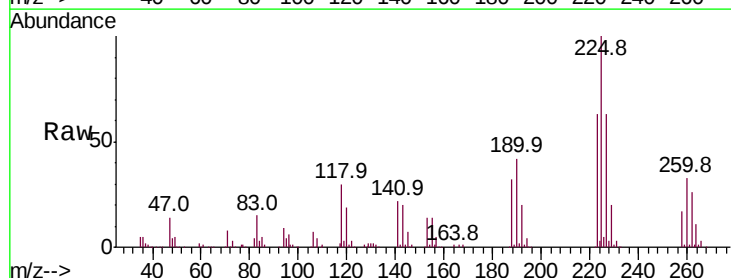


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

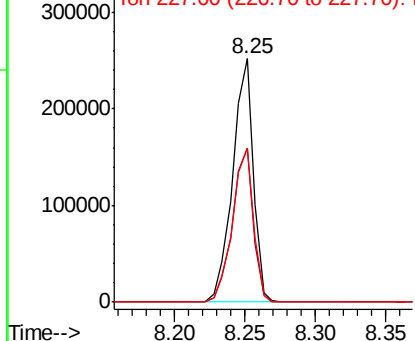
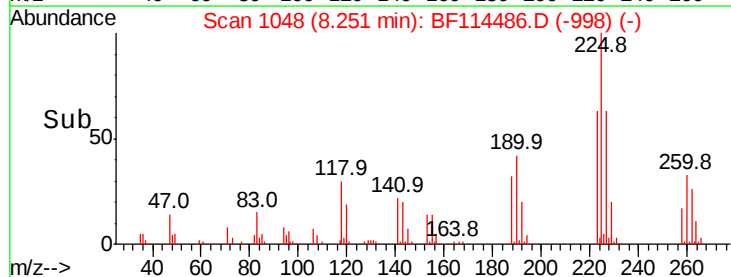


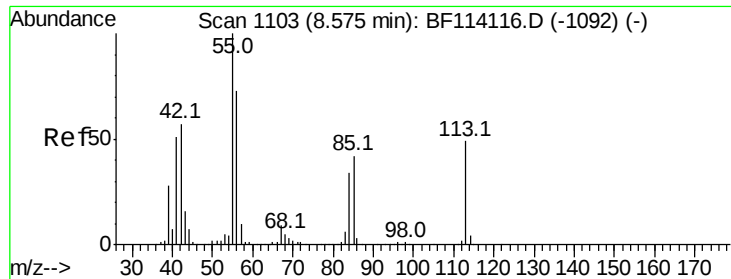
#34
Hexachlorobutadiene
Concen: 34.006 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	50.2	75.2	
227	63.0	52.6	79.0	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





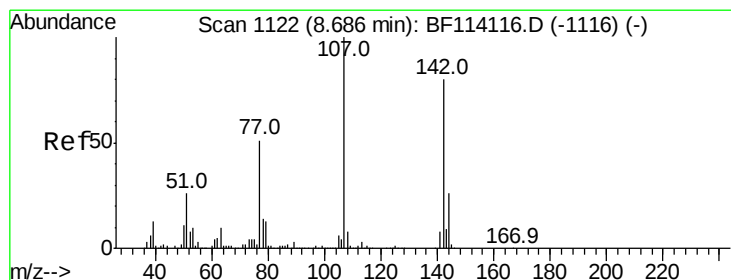
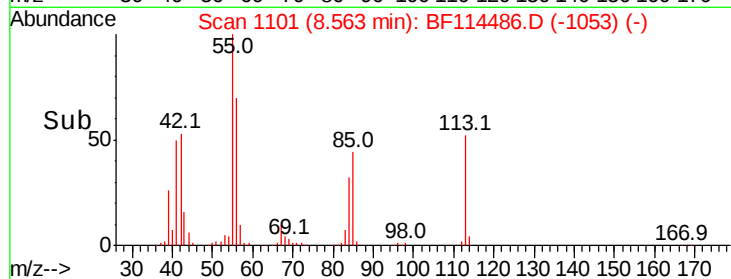
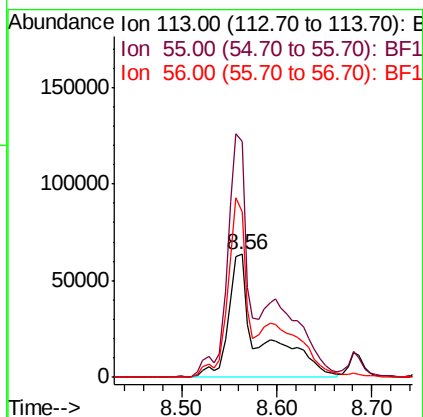
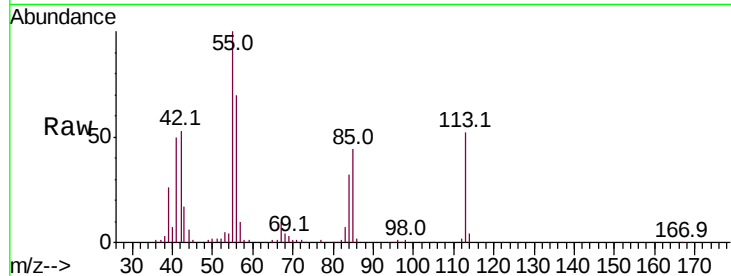
#35
Caprolactam
Concen: 39.437 ng/ml
RT: 8.56 min Scan# 1101
Delta R.T. -0.02 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	192.1	183.5	223.5
56	134.7	128.8	168.8

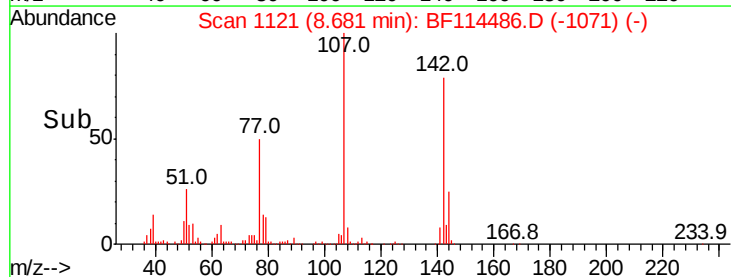
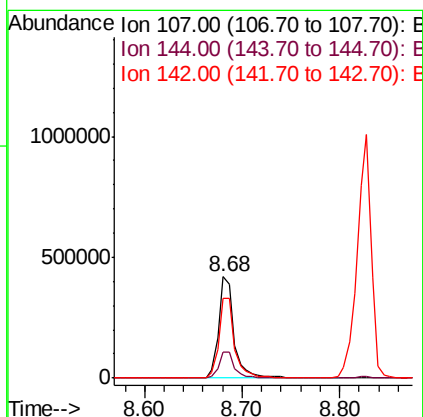
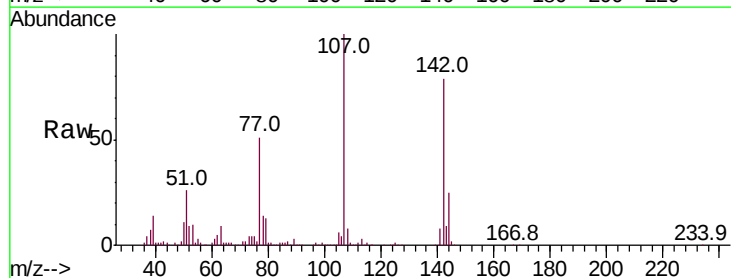
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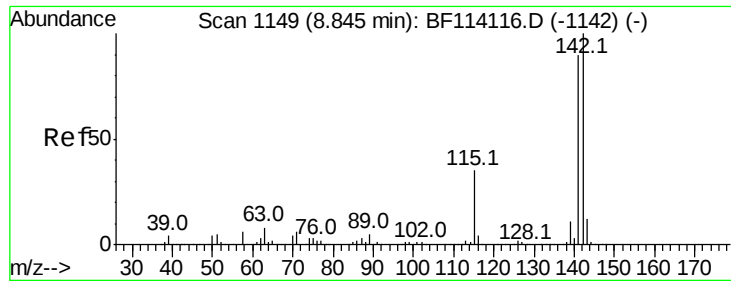
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 39.245 ng/ml
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.4	30.6
142	78.7	64.2	96.4





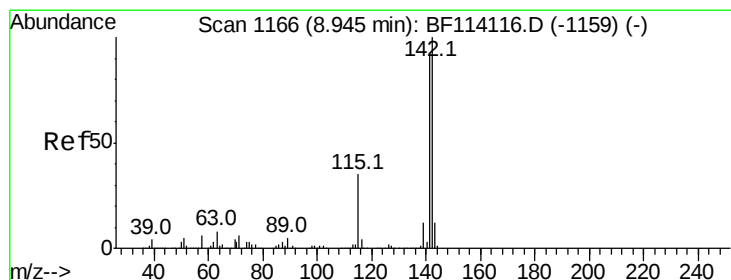
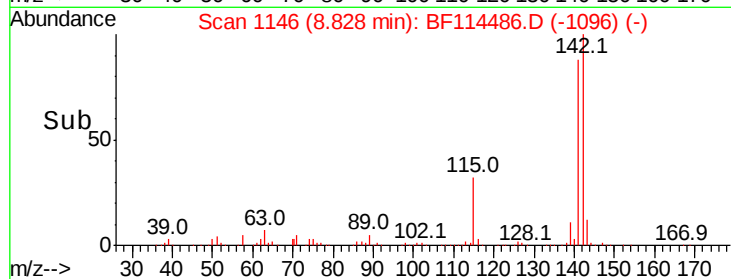
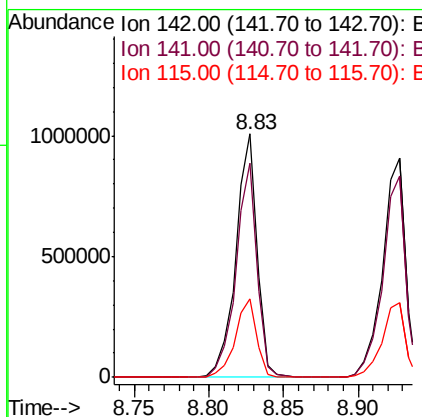
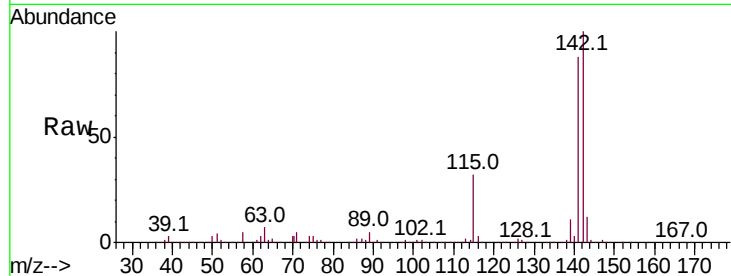
#37
2-Methylnaphthalene
Concen: 39.218 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.1	108.1
115	32.5	28.0	42.0

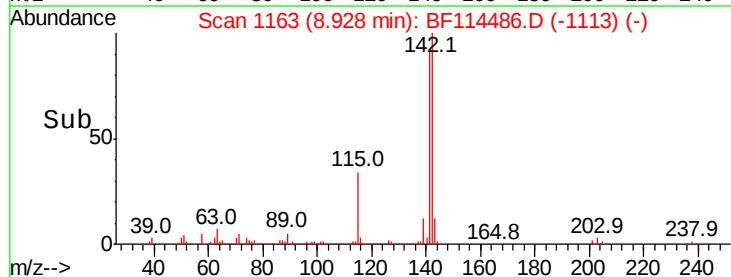
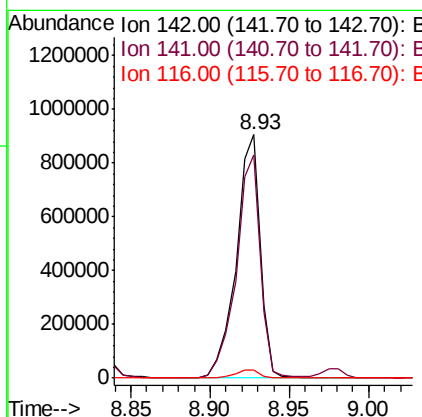
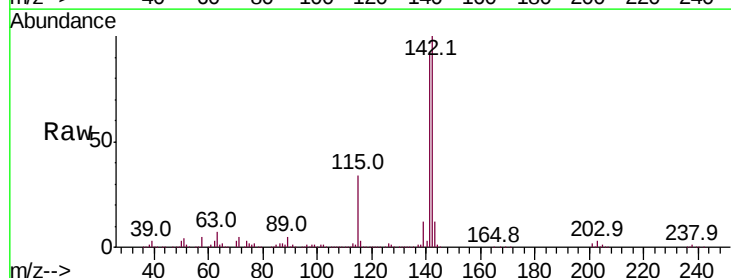
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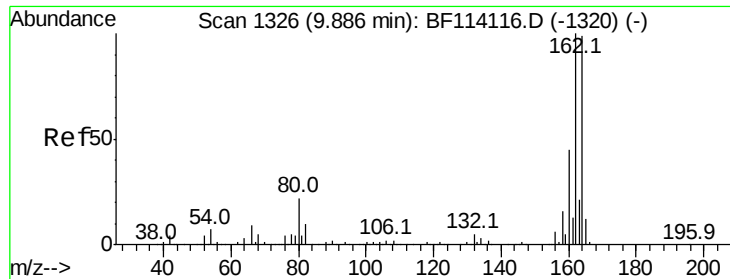
mohammad
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#38
1-Methylnaphthalene
Concen: 39.392 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.0
116	3.4	3.1	4.7





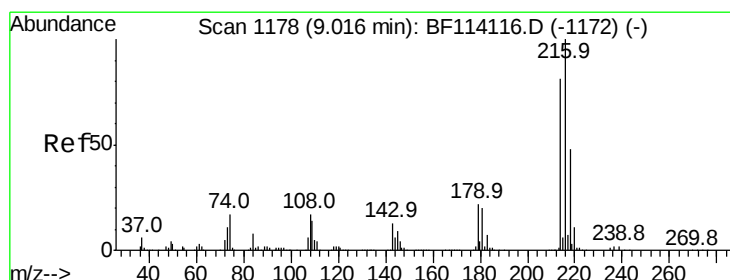
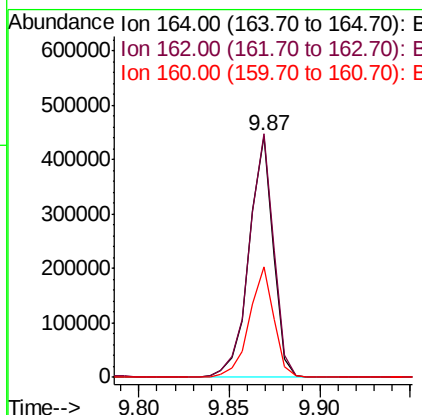
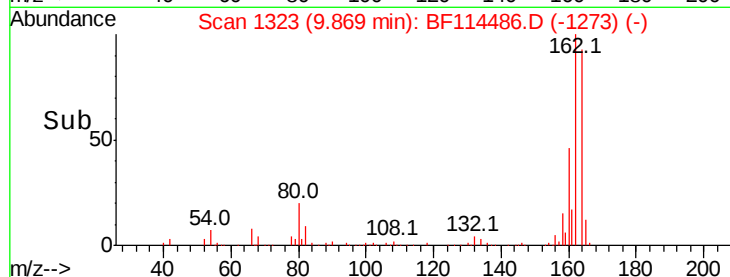
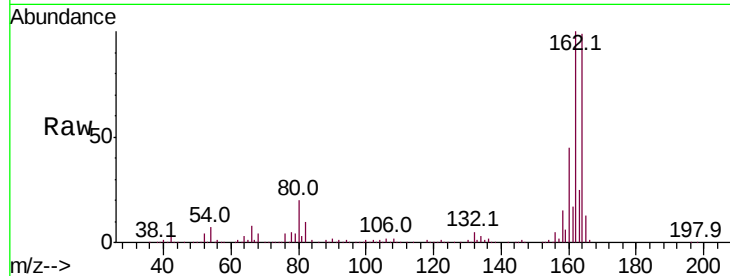
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	80.6	120.8	
160	45.7	36.5	54.7	

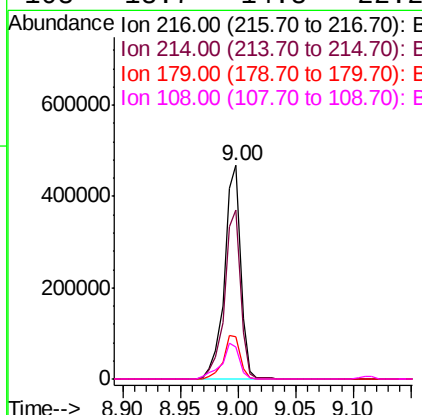
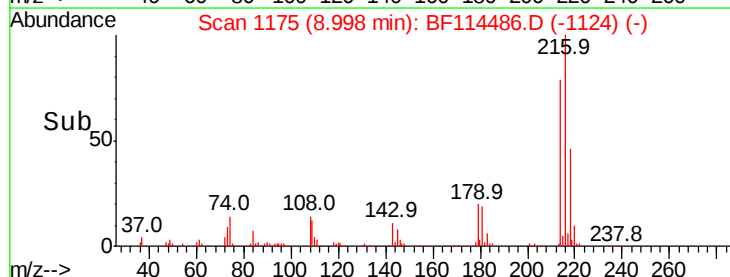
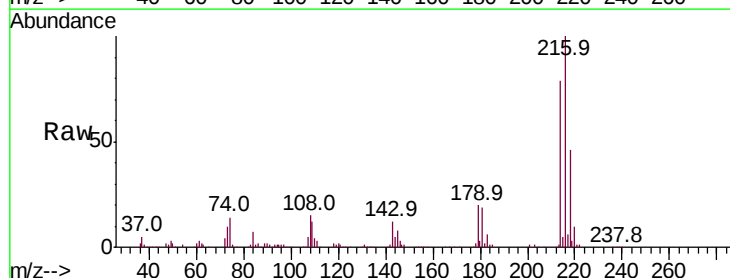
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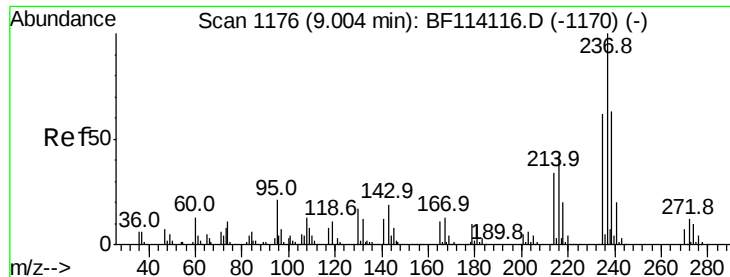
mohammad
 5/23/2019 4:07:45 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.631 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.9	95.9	
179	21.2	17.0	25.6	
108	18.7	14.8	22.2	





#41

Hexachlorocyclopentadiene

Concen: 46.033 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

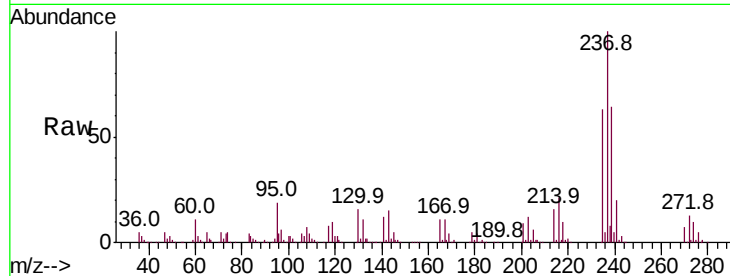
ClientSampleId :

PB119674BSD

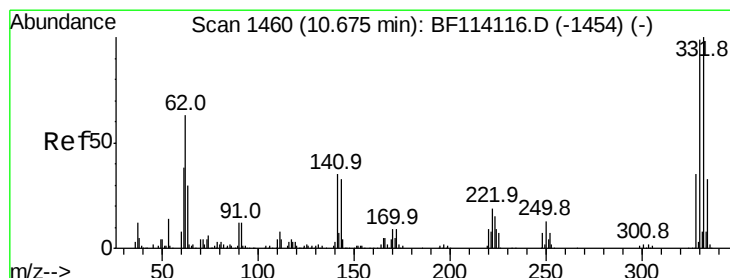
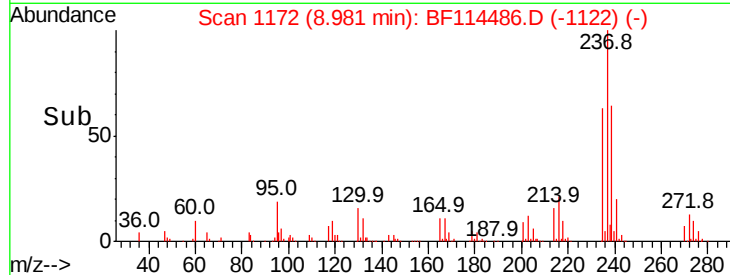
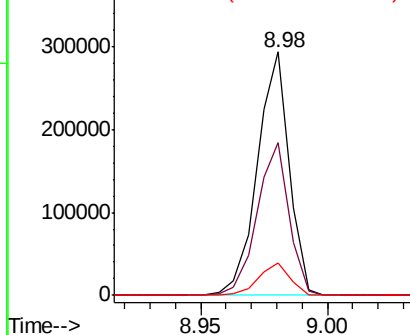
Tot Ion:	237	Resp:	255812
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.0	82.0
272	13.5	0.0	32.4

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



#42

2,4,6-Tribromophenol

Concen: 104.659 ng

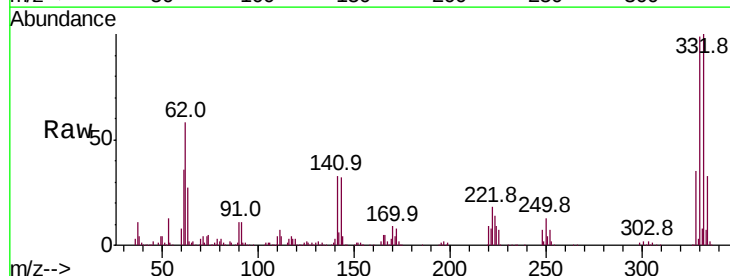
RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

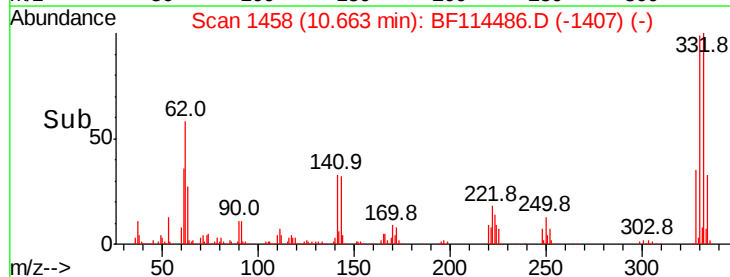
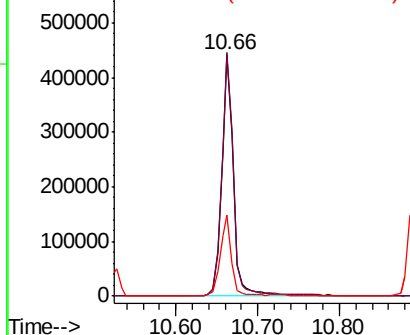
Lab File: BF114486.D

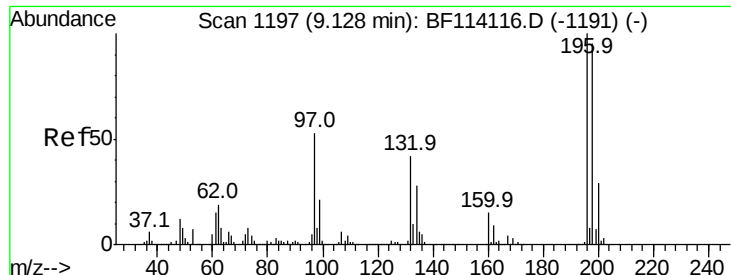
Acq: 22 May 2019 15:24

Tgt Ion:	330	Resp:	444810
Ion Ratio	Lower	Upper	
330	100		
332	102.5	81.4	122.2
141	32.2	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





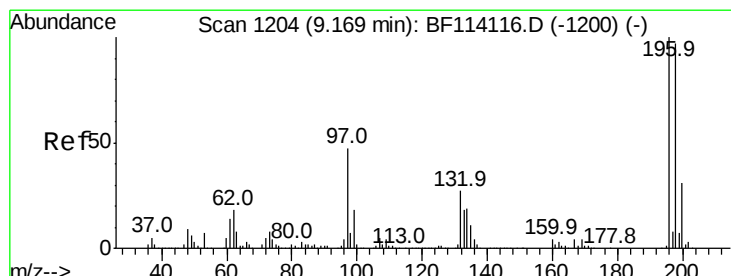
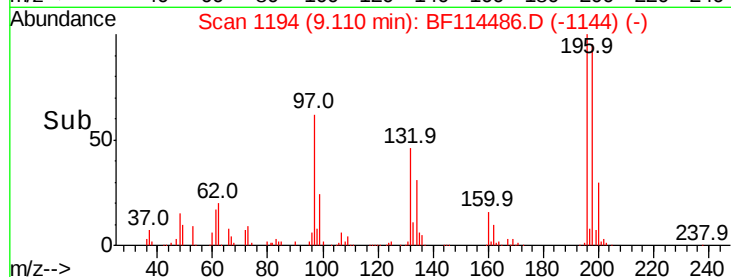
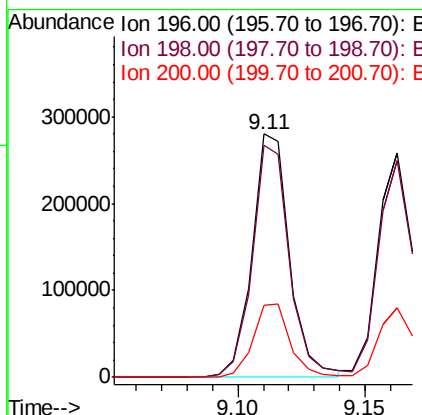
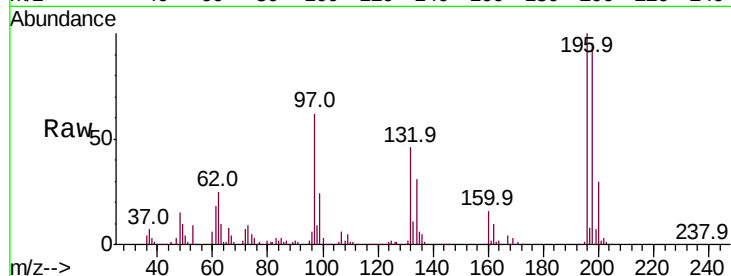
#43
 2,4,6-Trichlorophenol
 Concen: 33.595 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion:	196	Resp:	287763
Ion Ratio	Lower	Upper	
196	100		
198	95.2	75.9	113.9
200	29.7	23.5	35.3

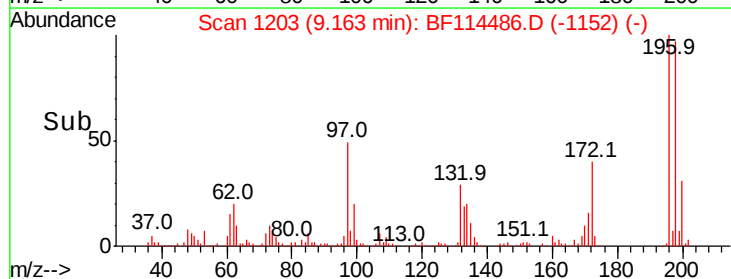
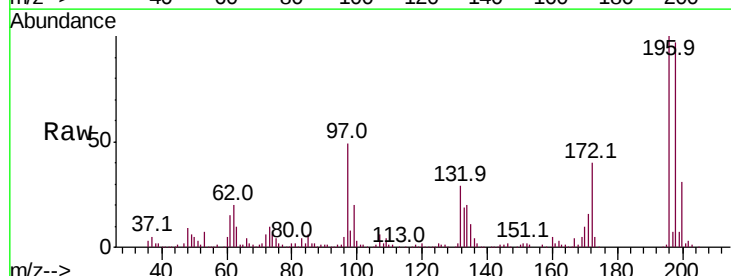
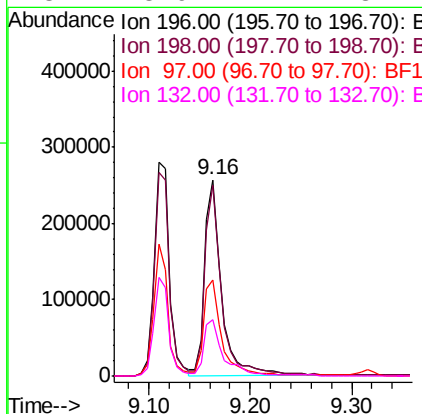
Manual Integrations
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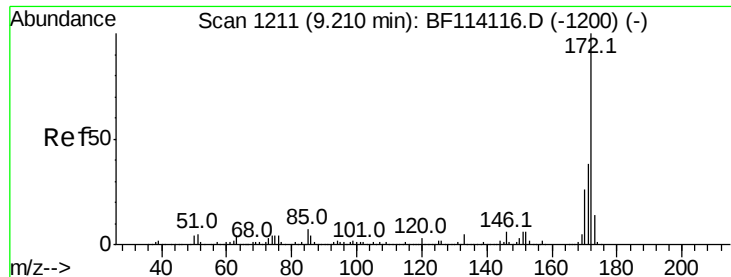
mohammad
 5/23/2019 4:07:45 AM



#44
 2,4,5-Trichlorophenol
 Concen: 34.092 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion:	196	Resp:	299477
Ion Ratio	Lower	Upper	
196	100		
198	97.0	77.7	116.5
97	49.0	38.2	57.2
132	28.9	21.4	32.2





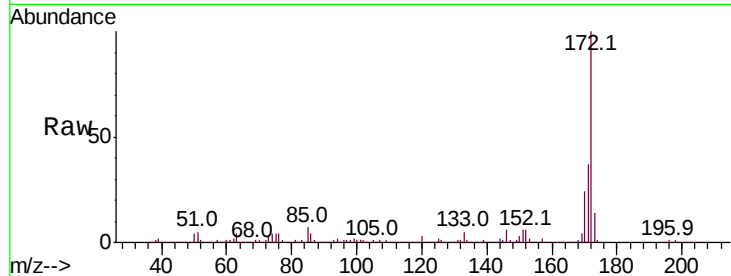
#45
2-Fluorobiphenyl
Concen: 77.646 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.7	46.1
170	23.8	20.5	30.7

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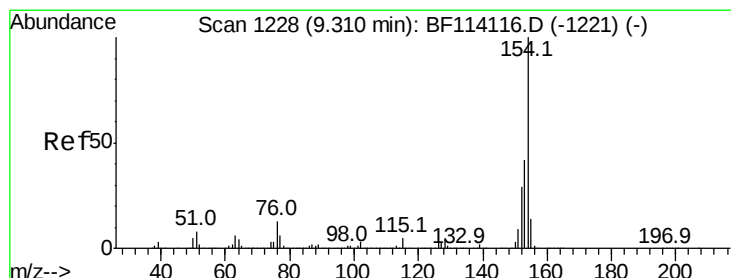
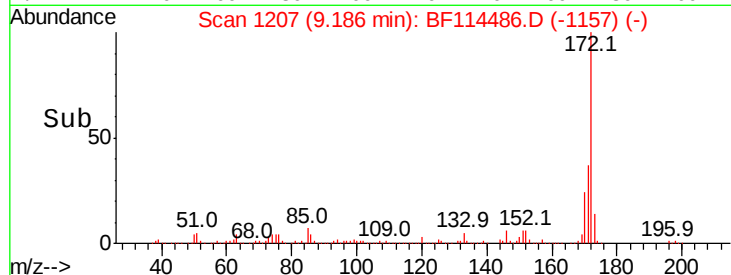
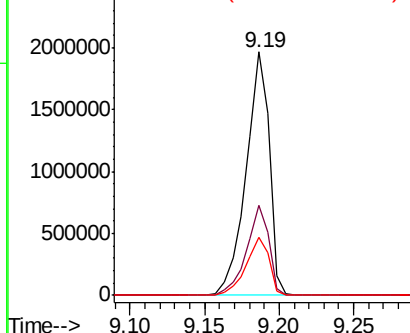


Abundance

Ion 172.00 (171.70 to 172.70): E

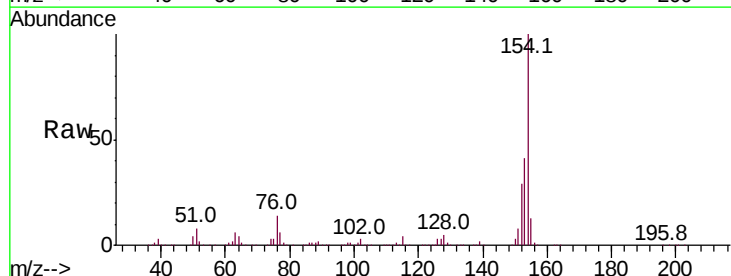
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 36.706 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.9	61.9
76	13.7	0.0	32.8

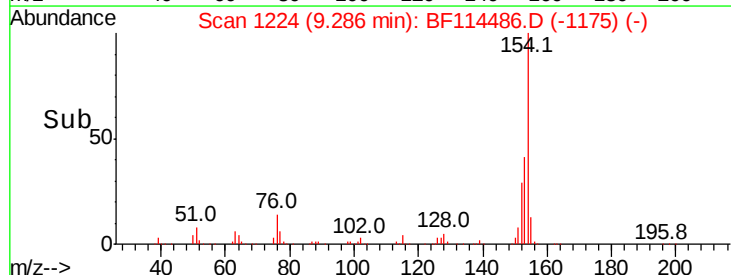
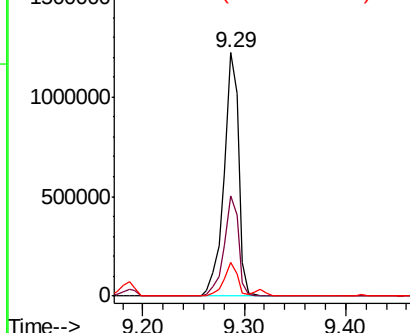


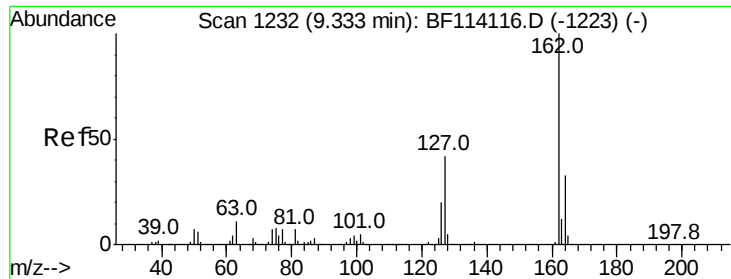
Abundance

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





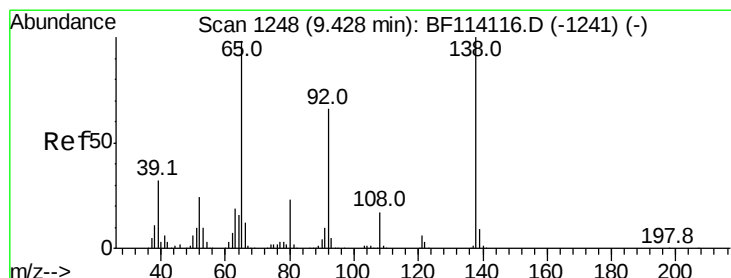
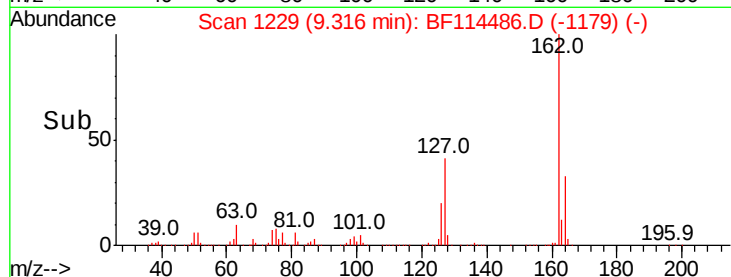
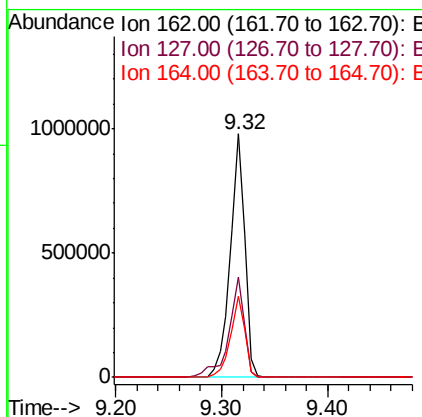
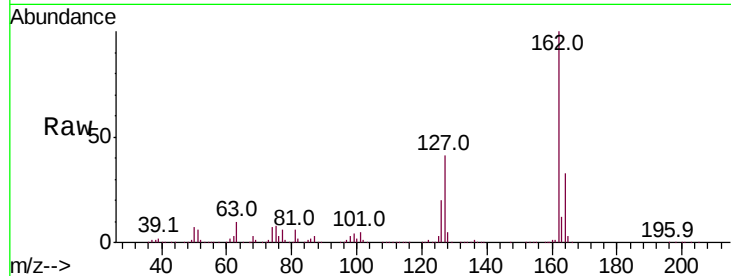
#47
 2-Chloronaphthalene
 Concen: 34.780 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.2	34.0	51.0	
164	33.3	26.7	40.1	

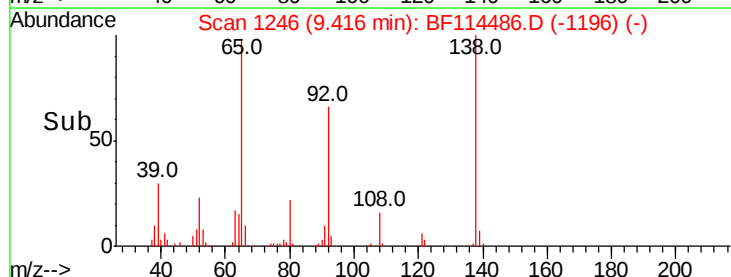
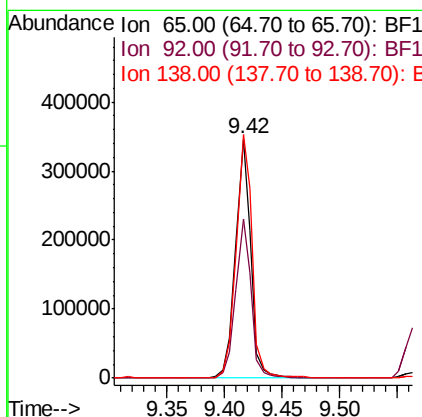
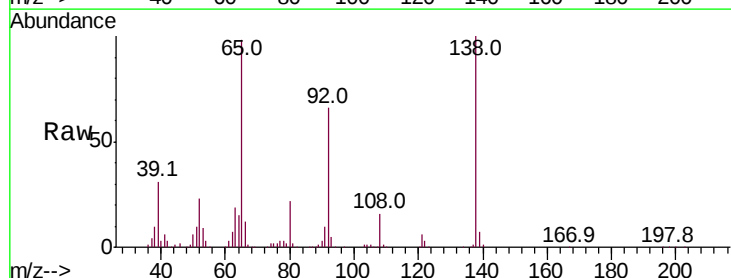
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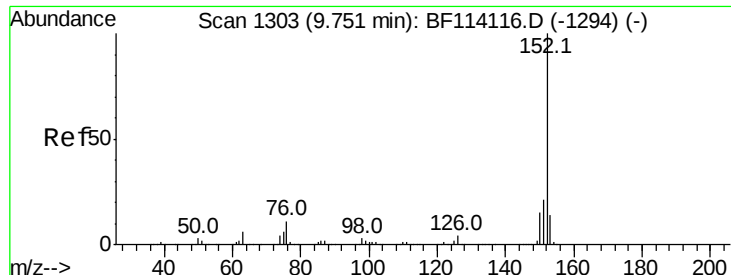
mohammad
 5/23/2019 4:07:45 AM



#48
 2-Nitroaniline
 Concen: 33.398 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	66.9	53.9	80.9	
138	102.1	81.4	122.0	





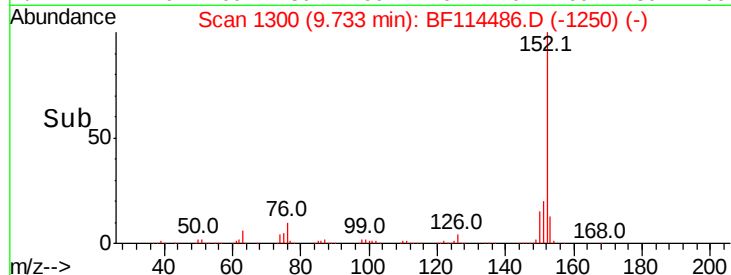
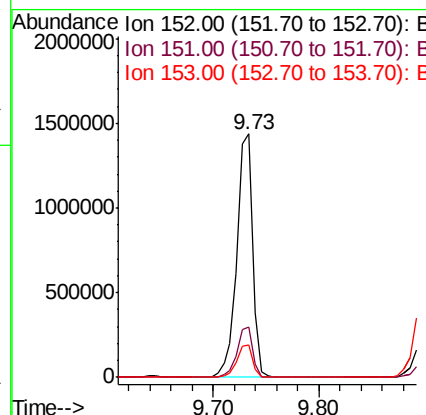
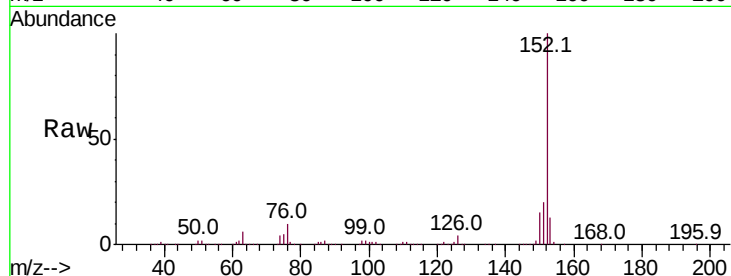
#49
Acenaphthylene
Concen: 36.271 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.3	11.4	17.2

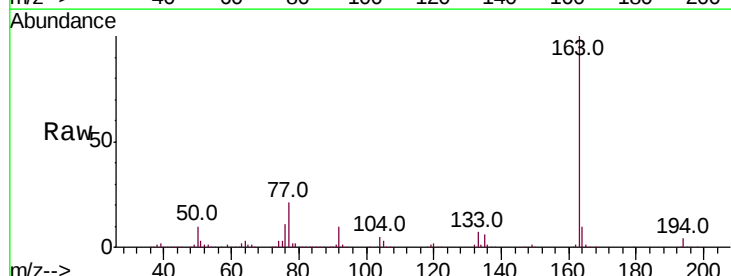
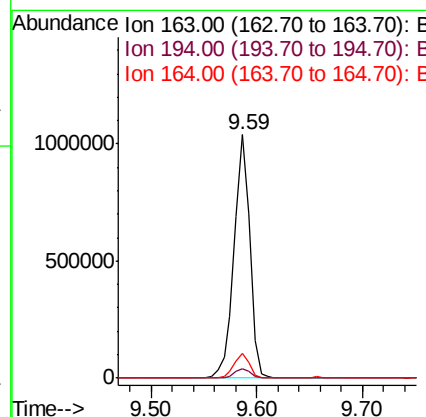
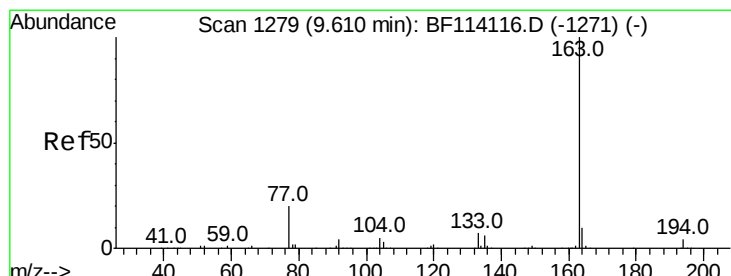
Manual Integrations
APPROVED

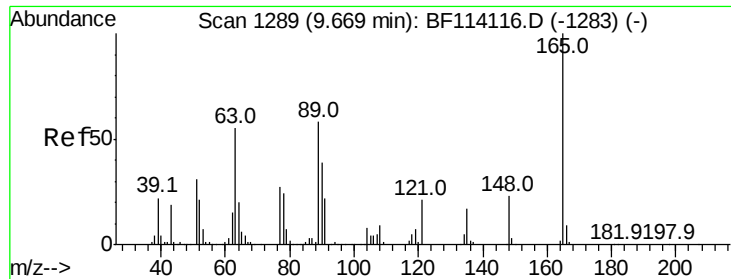
mohammad
5/23/2019 4:07:45 AM



#50
Dimethylphthalate
Concen: 35.374 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.3	8.2	12.2





#51

2,6-Dinitrotoluene

Concen: 36.307 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:165 Resp: 243025

Ion Ratio Lower Upper

165 100

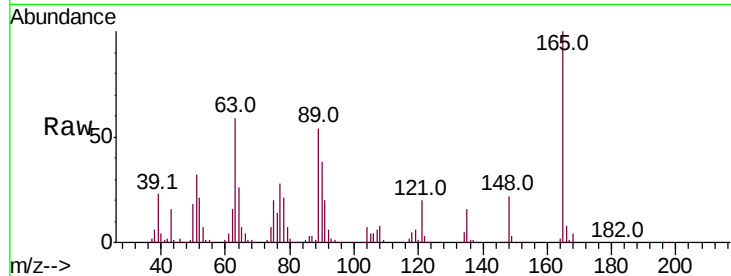
63 59.4 50.2 75.4

89 53.8 46.6 69.8

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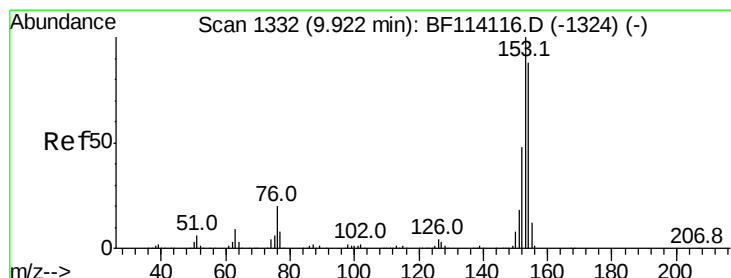
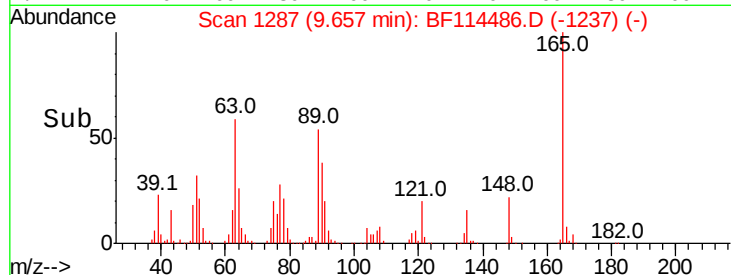
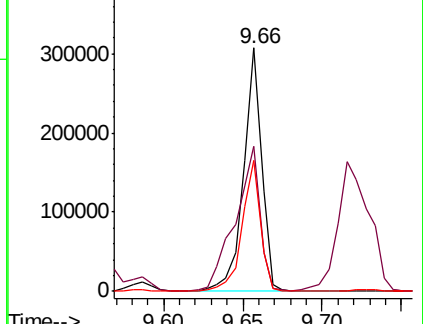
5/23/2019 4:07:45 AM



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: 34.438 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

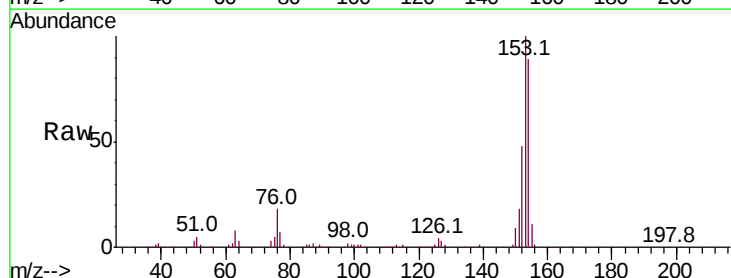
Tgt Ion:154 Resp: 859090

Ion Ratio Lower Upper

154 100

153 112.3 90.5 135.7

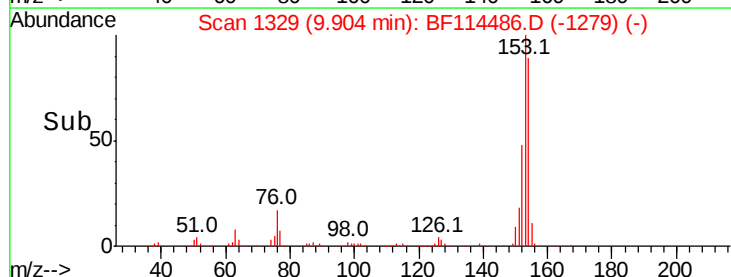
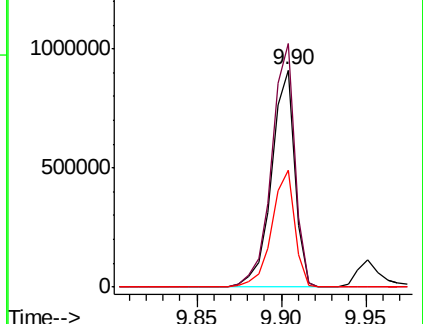
152 54.2 43.4 65.2



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





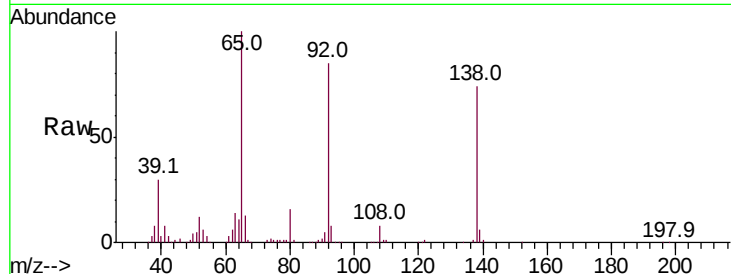
#53
3-Nitroaniline
Concen: 21.469 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.8	11.6
92	115.0	91.2	136.8

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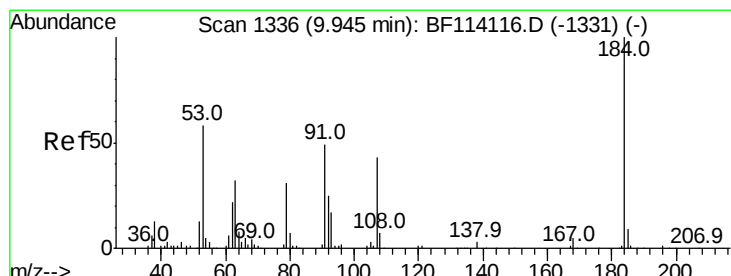
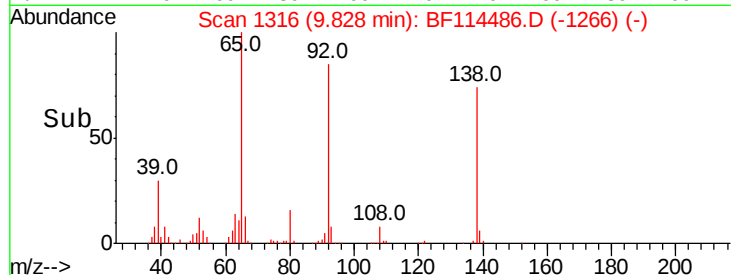
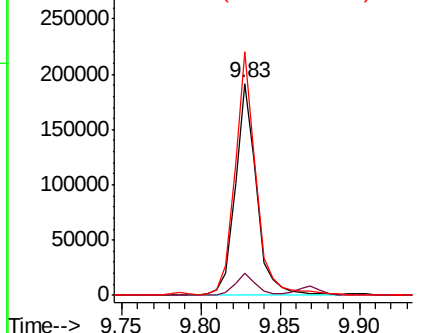


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 65.741 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

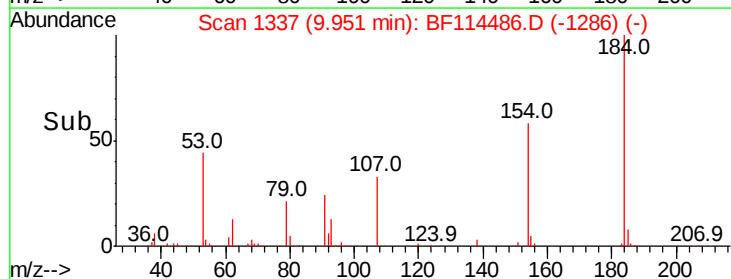
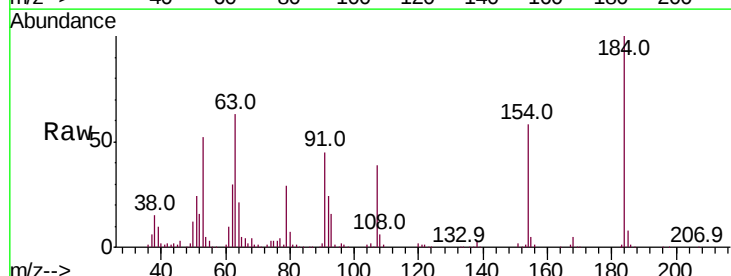
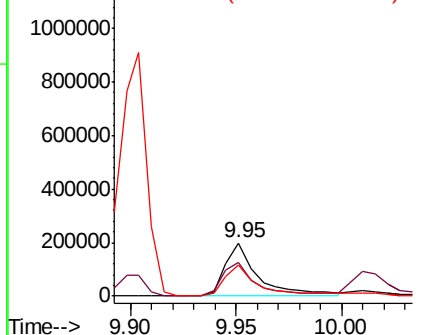
Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.8	55.6	83.4
154	57.6	46.0	69.0

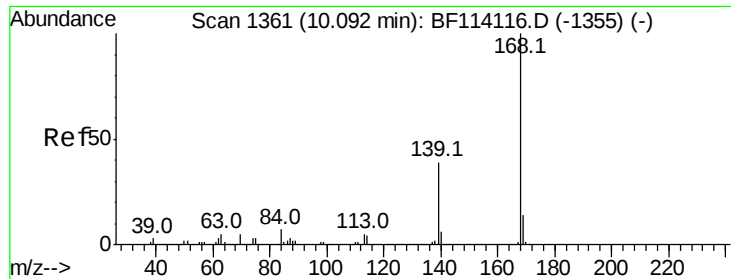
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





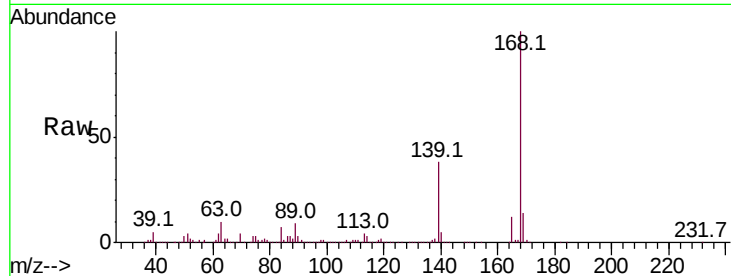
#55
Dibenzofuran
Concen: 34.376 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	31.1	46.7
169	13.9	11.4	17.0

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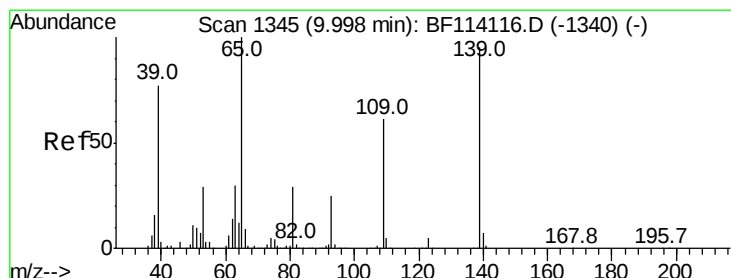
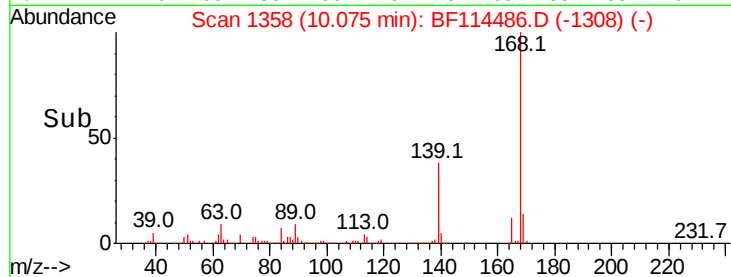
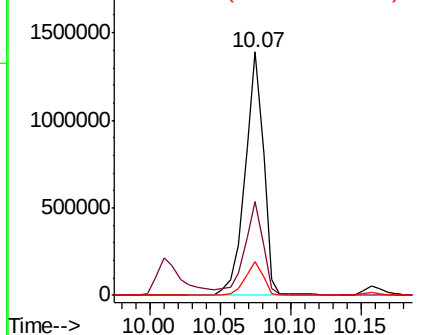


Abundance

Ion 168.00 (167.70 to 168.70): E

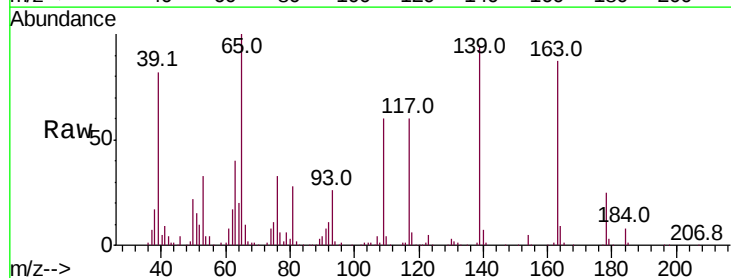
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 45.053 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.0	43.9	83.9
65	106.4	85.7	125.7

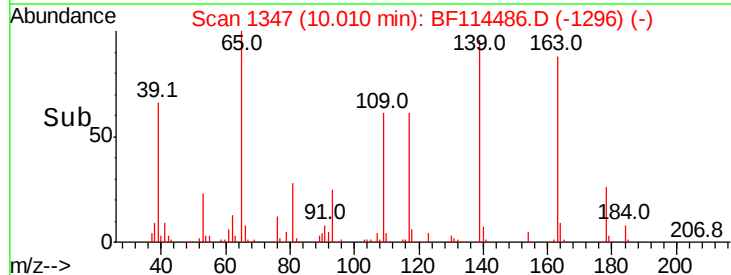
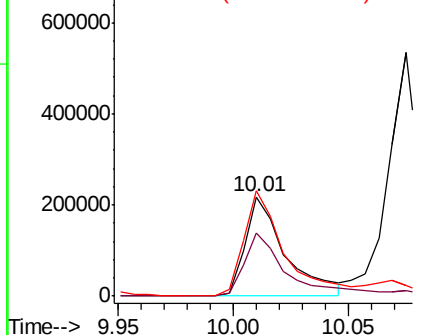


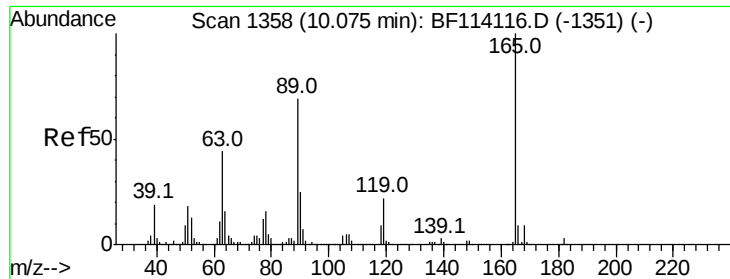
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 33.888 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:165 Resp: 307880

Ion Ratio Lower Upper

165 100

63 59.3 35.5 53.3#

89 76.1 55.2 82.8

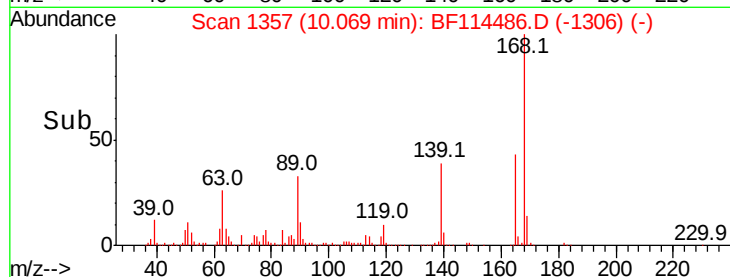
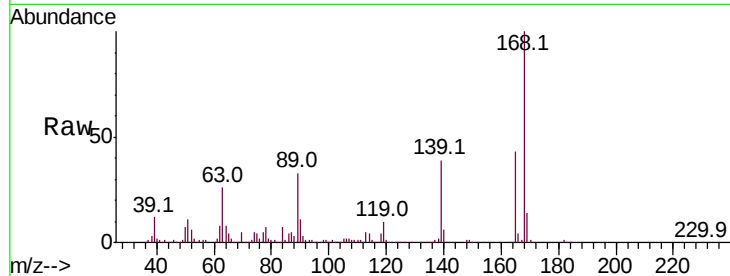
182 2.5 2.2 3.2

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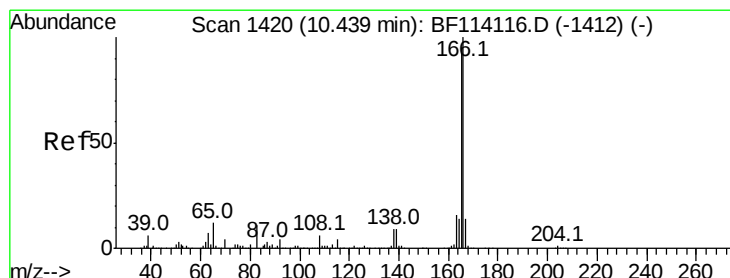
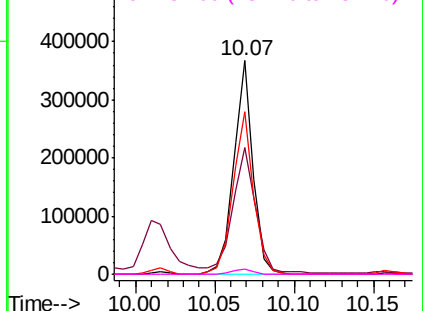


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 36.306 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

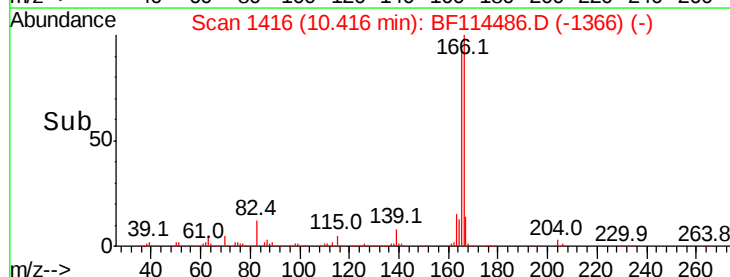
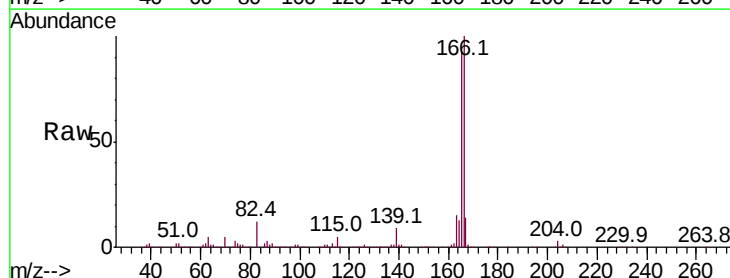
Tgt Ion:166 Resp: 1025815

Ion Ratio Lower Upper

166 100

165 93.4 76.1 114.1

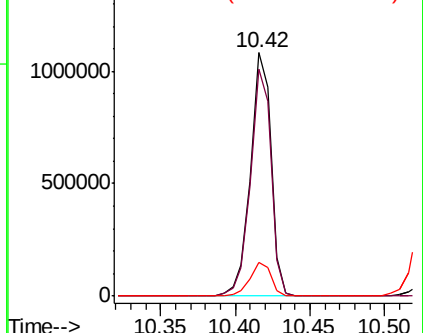
167 13.9 11.1 16.7

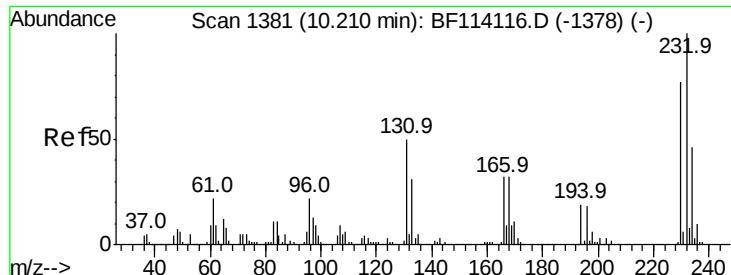


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





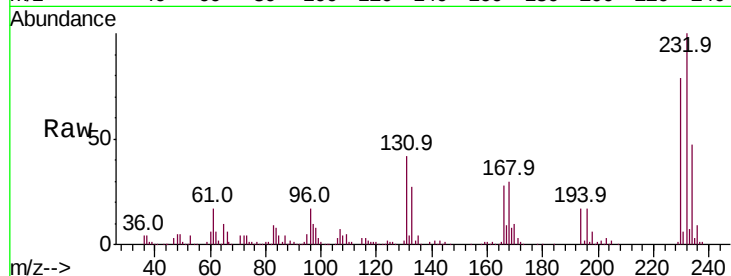
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.376 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	275712		
131	40.9		35.6	53.4
130	2.0		1.6	2.4
166	27.6		24.1	36.1

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Abundance

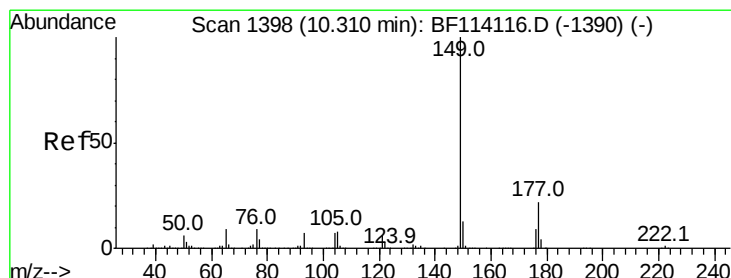
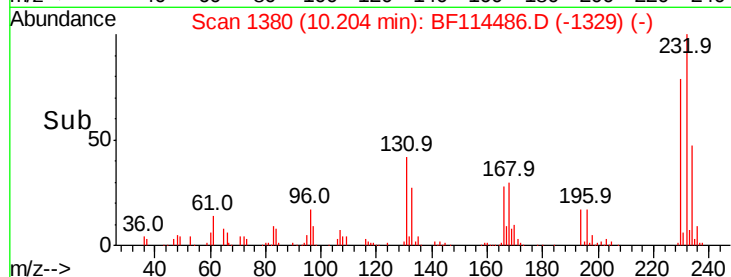
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

Time-->



#60
Diethylphthalate
Concen: 35.130 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1077197		
177	20.9		17.8	26.6
150	12.7		10.2	15.2

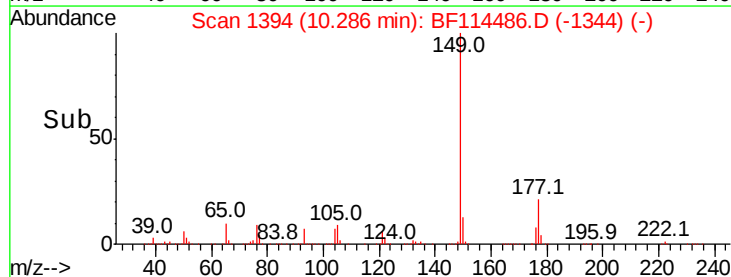
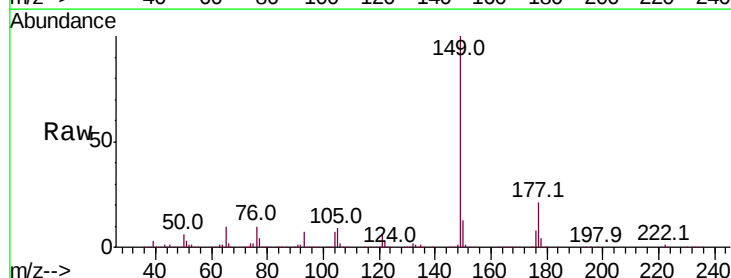
Abundance

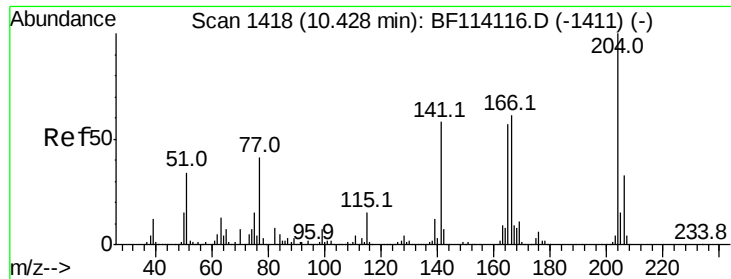
Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->





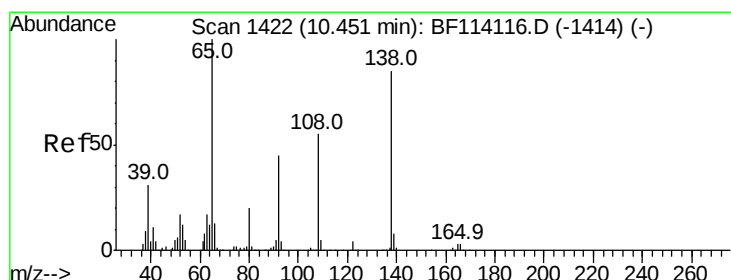
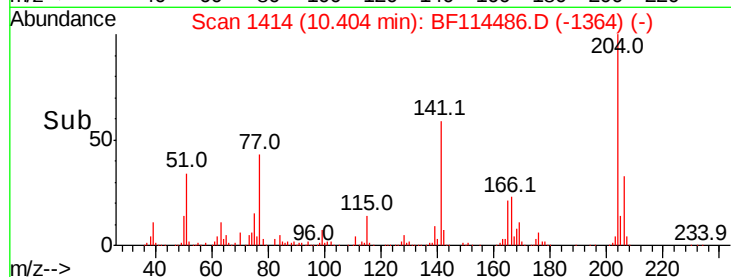
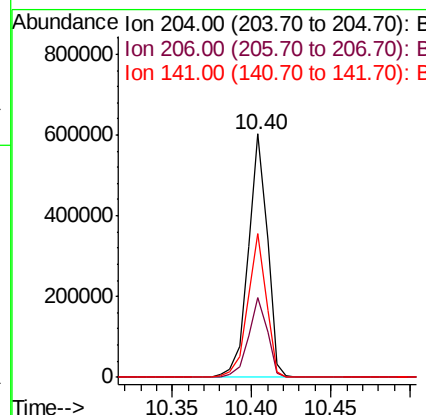
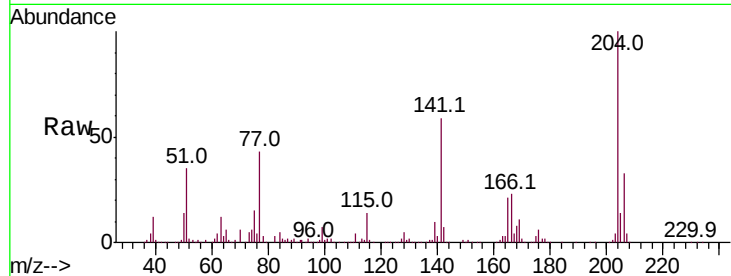
#61
4-Chlorophenyl-phenylether
Concen: 35.887 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	498004		
206	32.7	26.6	39.8	
141	59.0	46.4	69.6	

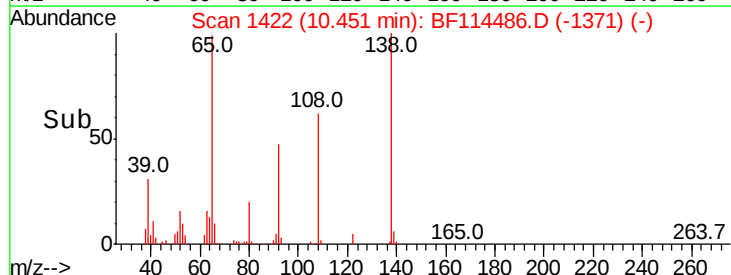
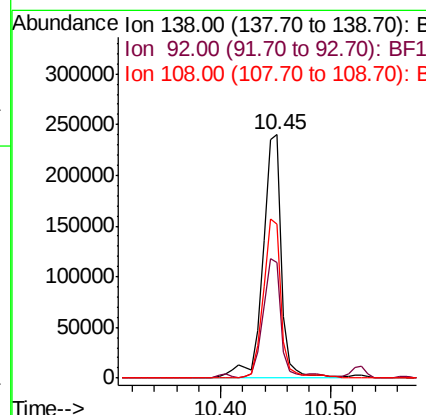
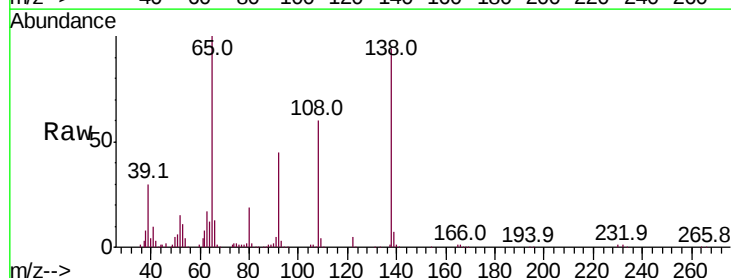
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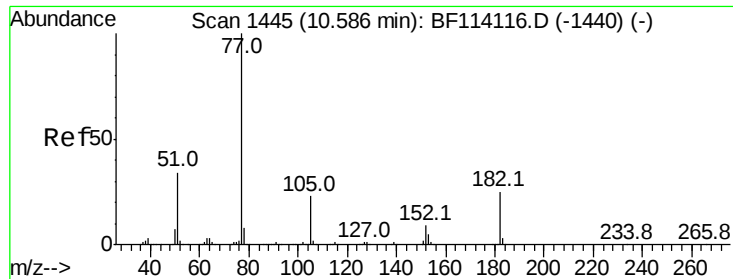
mohammad
5/23/2019 4:07:45 AM



#62
4-Nitroaniline
Concen: 32.573 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	284401		
92	47.7	33.0	73.0	
108	63.3	44.9	84.9	





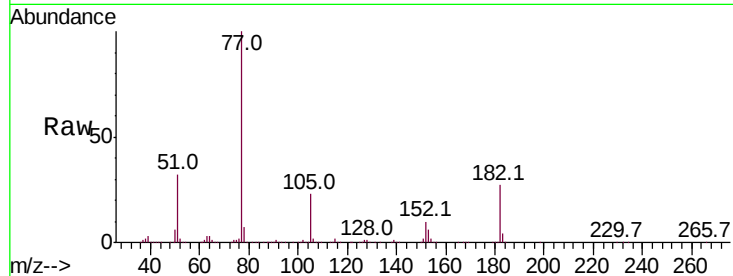
#63
Azobenzene
Concen: 35.391 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.5	4.7	44.7
105	23.4	2.9	42.9
51	32.5	14.6	54.6

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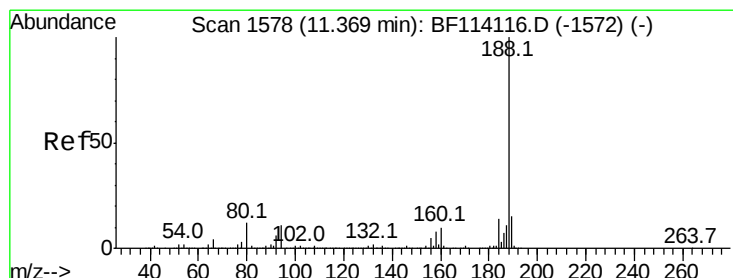
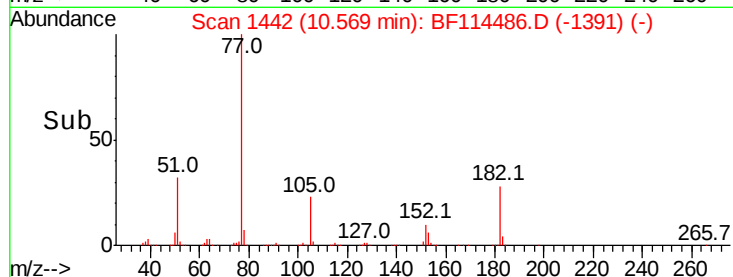
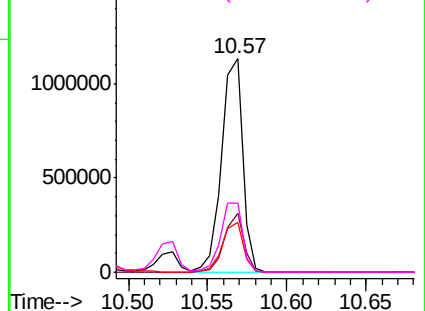
Abundance

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: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

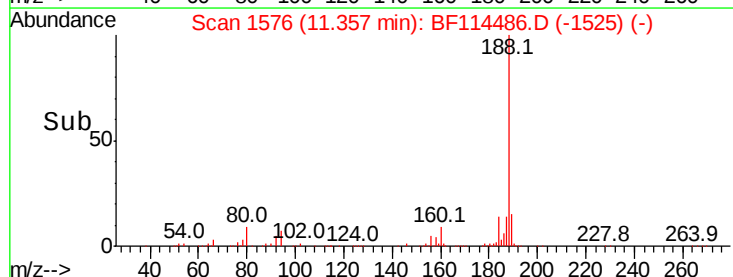
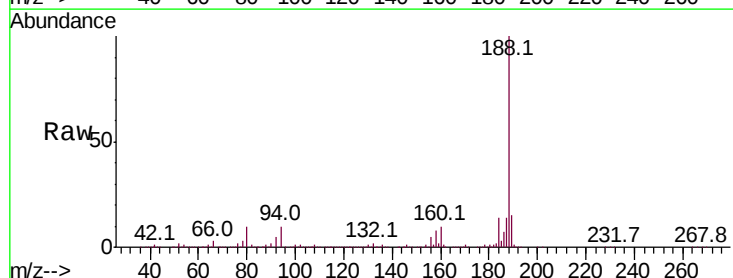
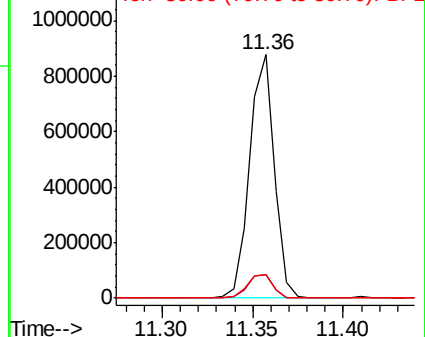
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.4	12.6
80	9.6	9.2	13.8

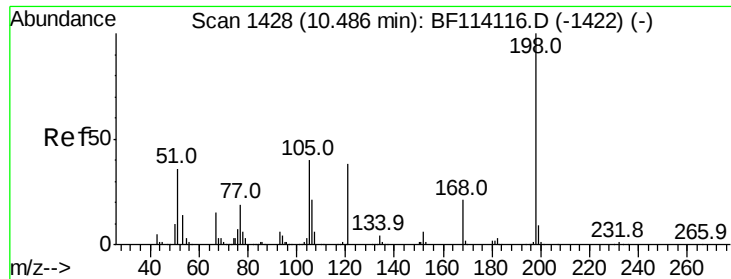
Abundance

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





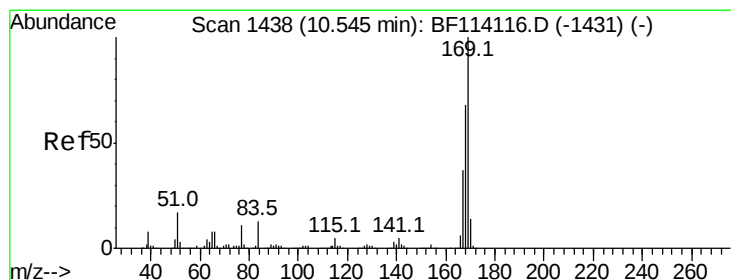
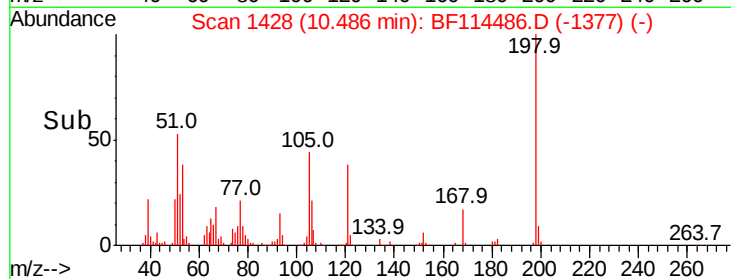
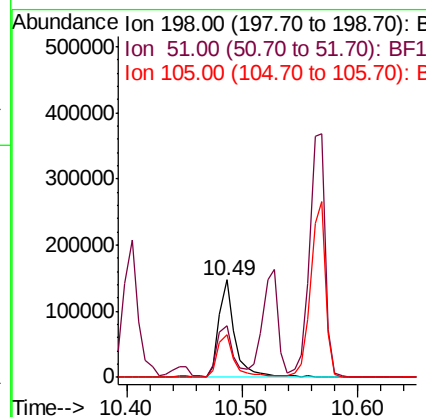
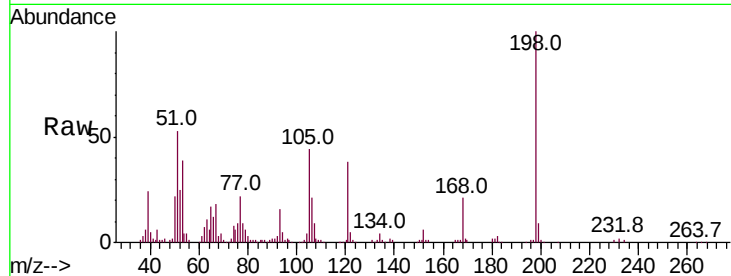
#65
4,6-Dinitro-2-methylphenol
Concen: 36.318 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	144493		
51	52.7	28.0	68.0	
105	43.9	21.1	61.1	

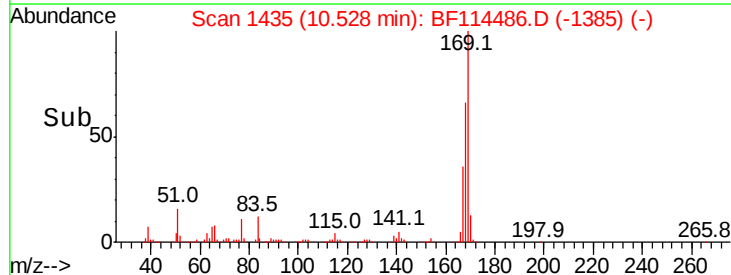
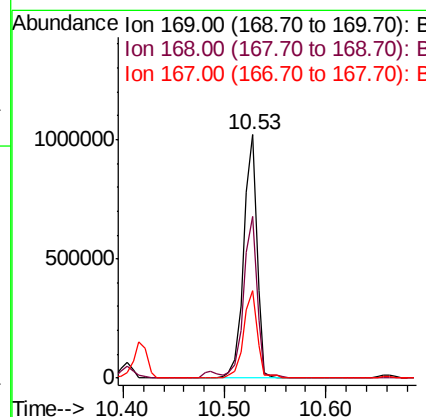
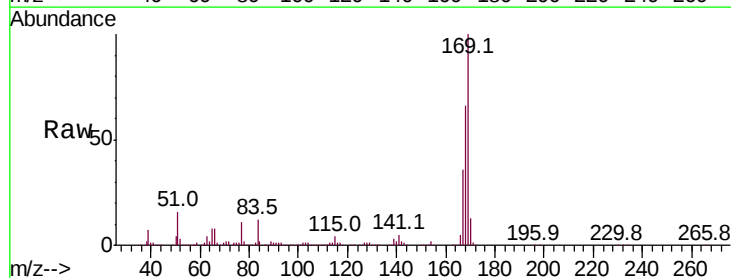
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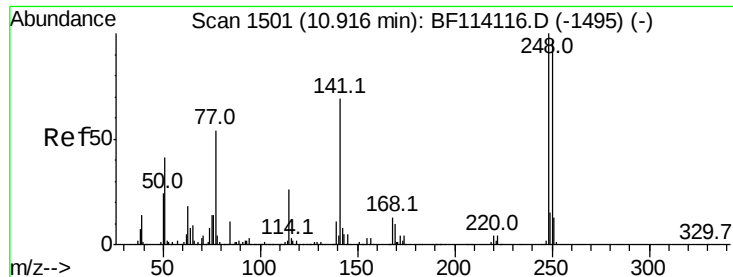
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 36.990 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	929536		
168	66.5	54.2	81.2	
167	36.0	29.8	44.8	





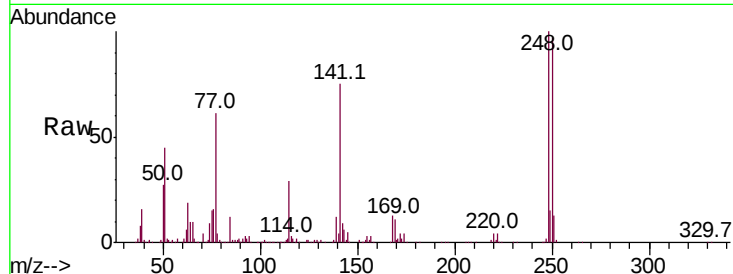
#67
4-Bromophenyl-phenylether
Concen: 34.361 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.4	116.2
141	75.0	55.6	83.4

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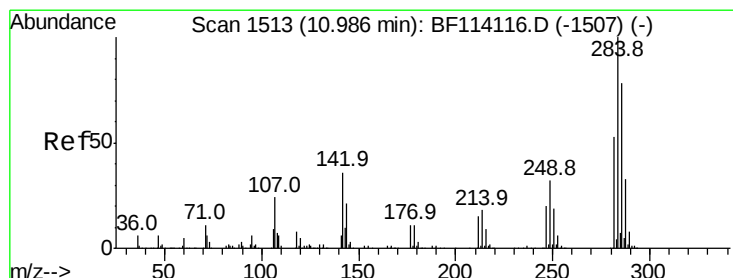
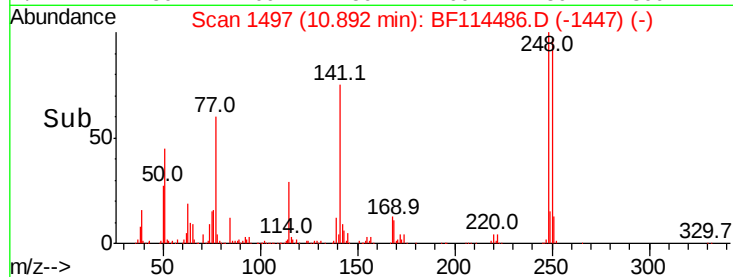
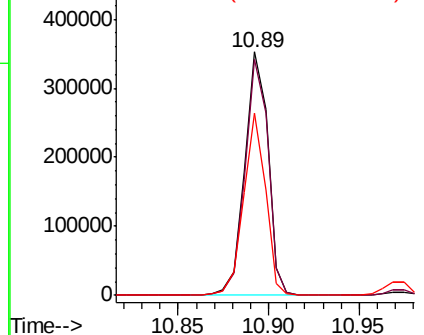


Abundance

Ion 248.00 (247.70 to 248.70): E

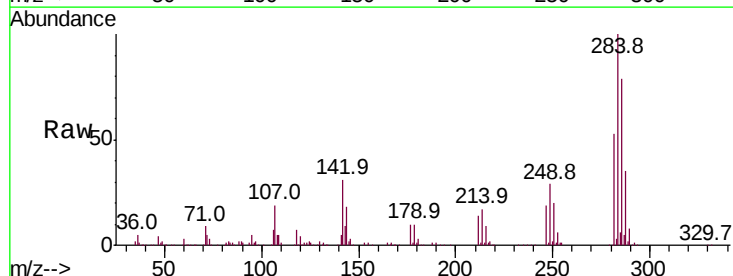
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 33.492 ng
RT: 10.97 min Scan# 1511
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	28.4	42.6
249	28.9	25.2	37.8

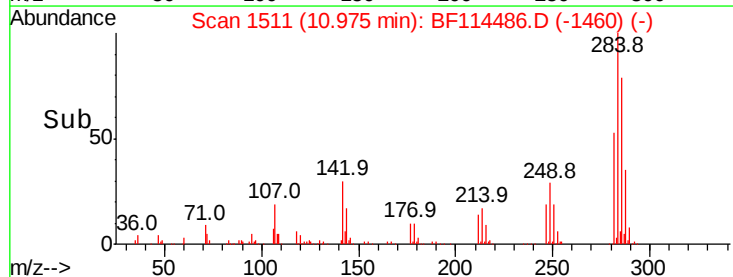
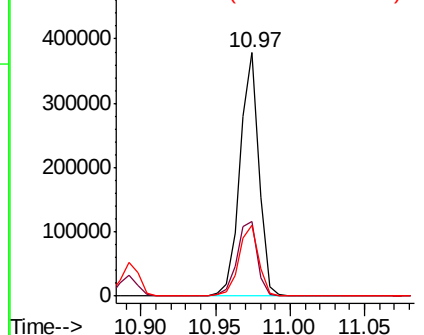


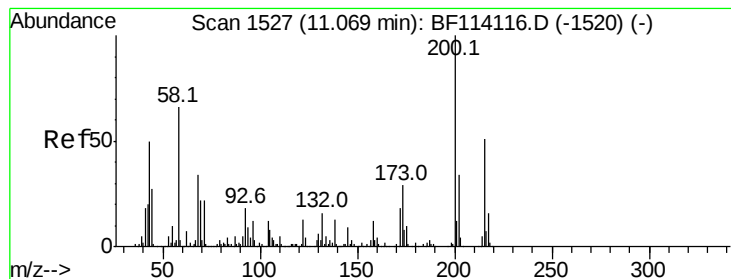
Abundance

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





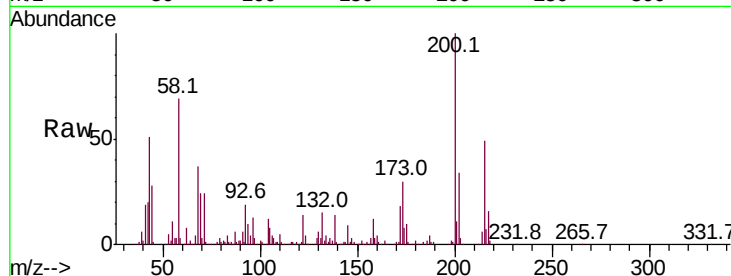
#69
Atrazine
Concen: 35.644 ng
RT: 11.05 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	278743		
173	30.1	8.9	48.9	
215	49.3	30.7	70.7	

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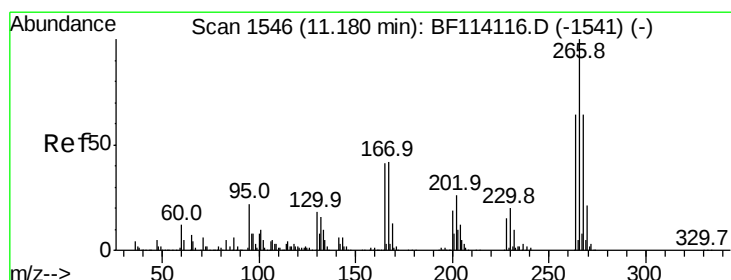
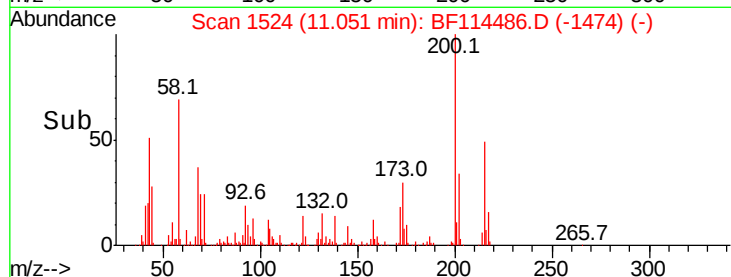
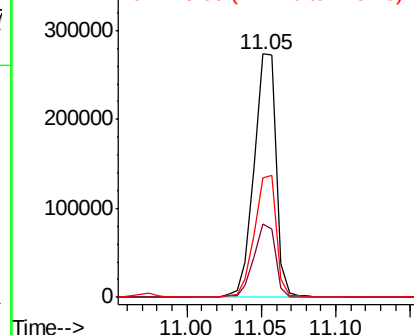


Abundance

Ion 200.00 (199.70 to 200.70): E

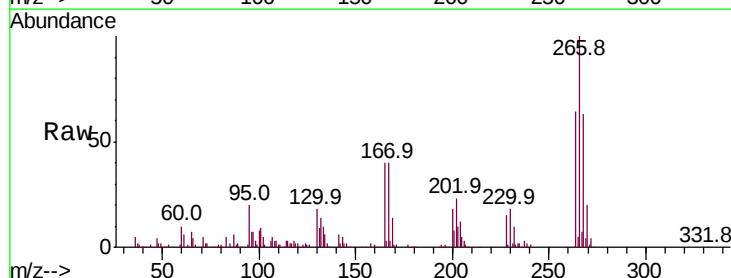
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 53.770 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	257064		
268	63.1	51.1	76.7	
264	63.6	51.1	76.7	

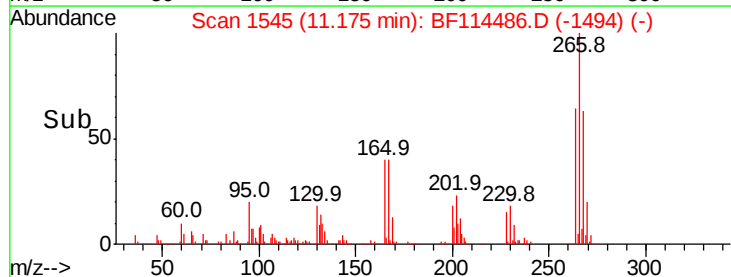
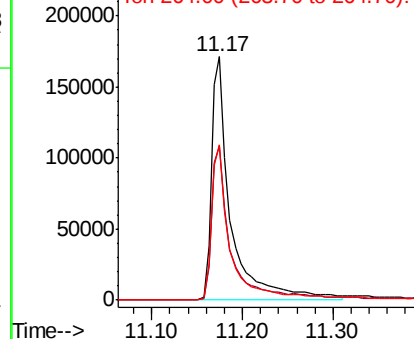


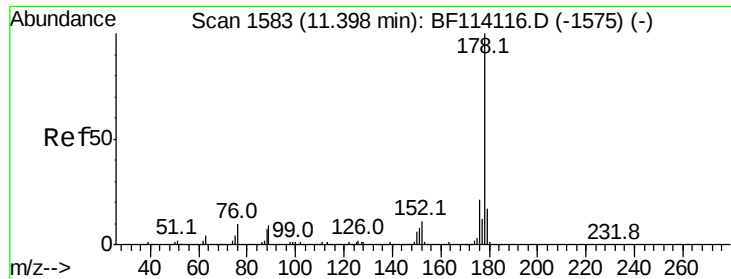
Abundance

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: 36.765 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:178 Resp: 1480986

Ion Ratio Lower Upper

178 100

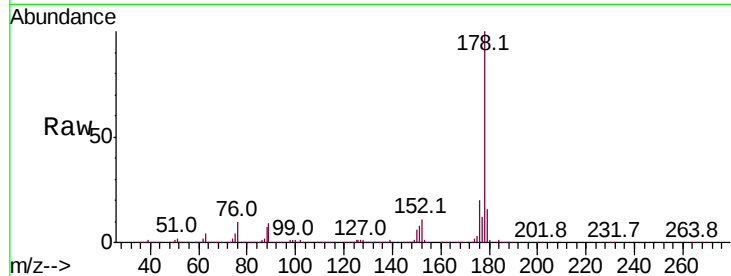
176 20.0 16.4 24.6

179 15.9 13.2 19.8

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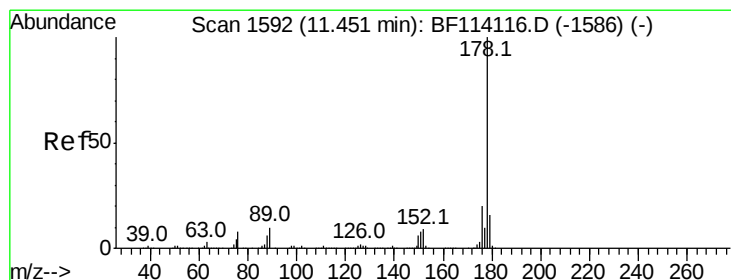
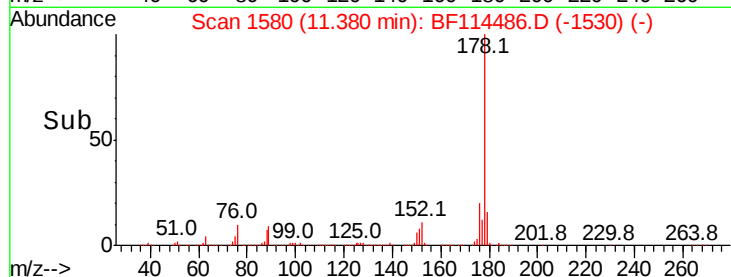
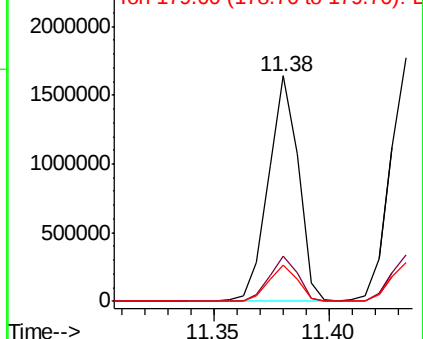
5/23/2019 4:07:45 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 37.820 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion:178 Resp: 1530201

Ion Ratio Lower Upper

178 100

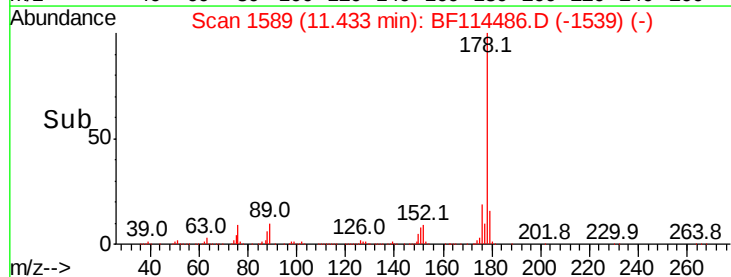
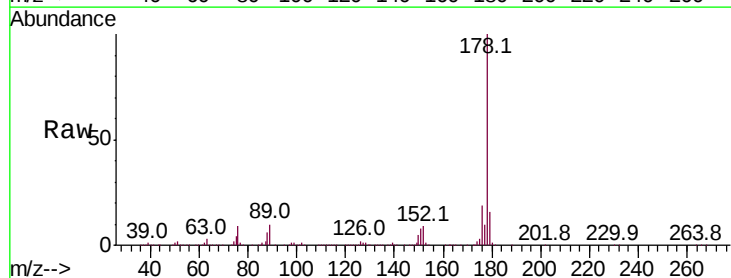
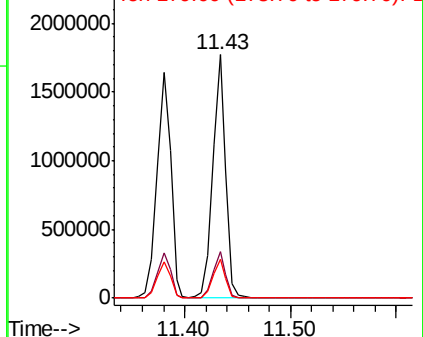
176 18.9 15.8 23.8

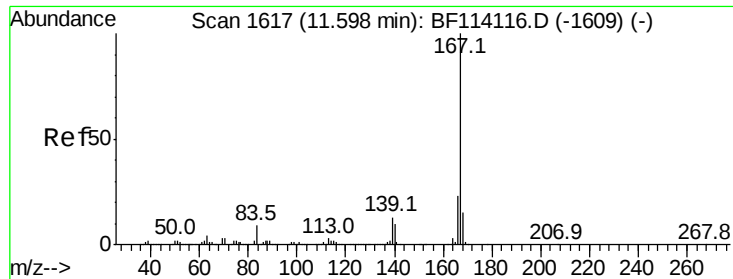
179 15.8 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 37.788 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:167 Resp: 1457959

Ion Ratio Lower Upper

167 100

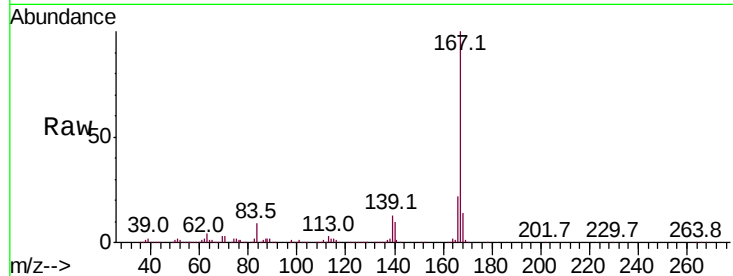
166 21.8 18.2 27.2

139 13.3 10.6 16.0

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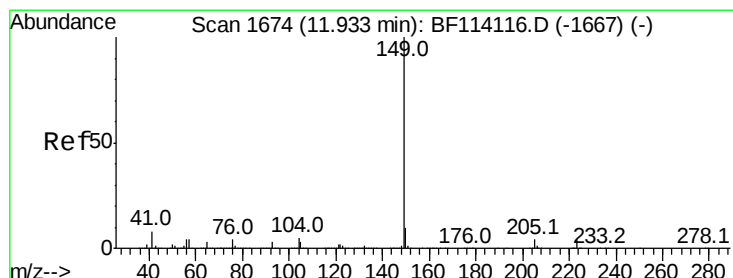
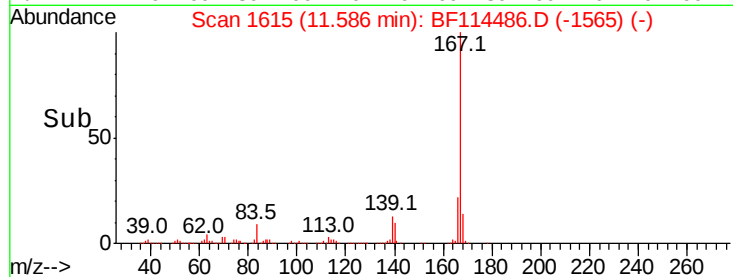
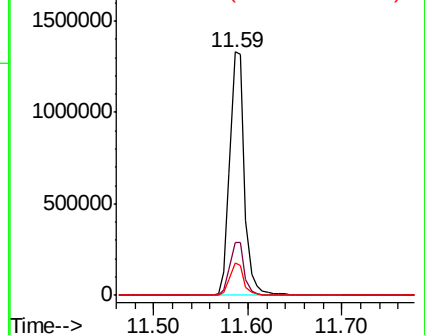
5/23/2019 4:07:45 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 37.958 ng

RT: 11.91 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

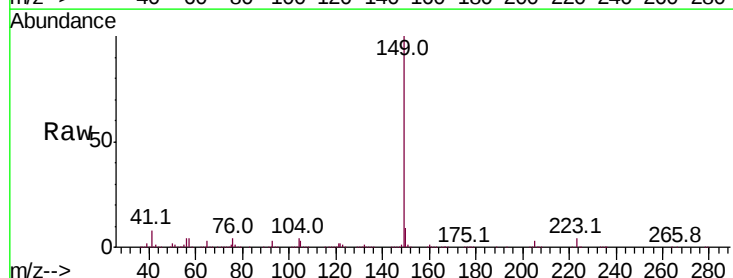
Tgt Ion:149 Resp: 1687251

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

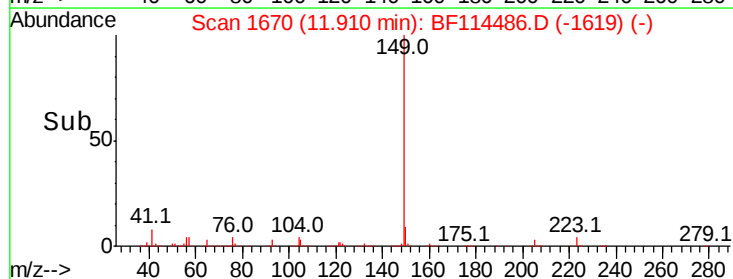
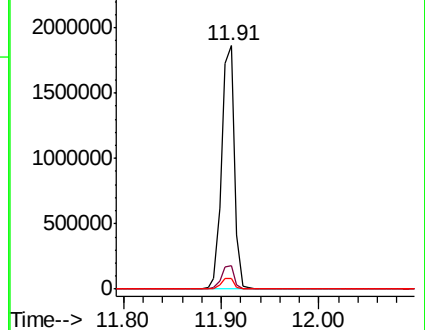
104 4.4 3.6 5.4

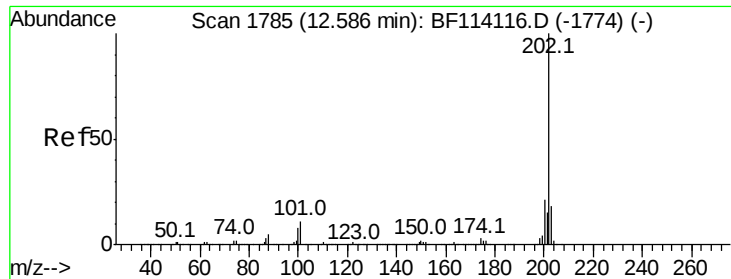


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.391 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:202 Resp: 1621968

Ion Ratio Lower Upper

202 100

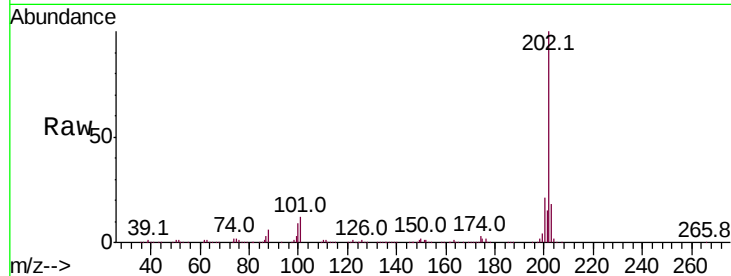
101 12.5 0.0 31.0

203 18.3 0.0 38.4

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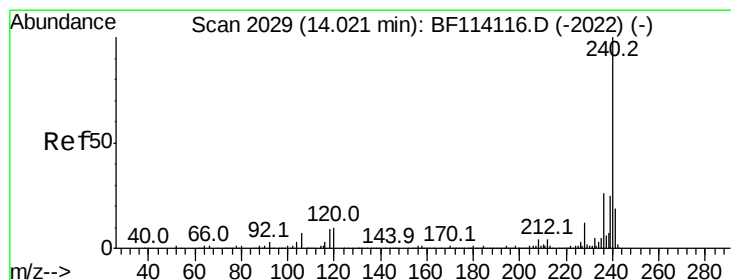
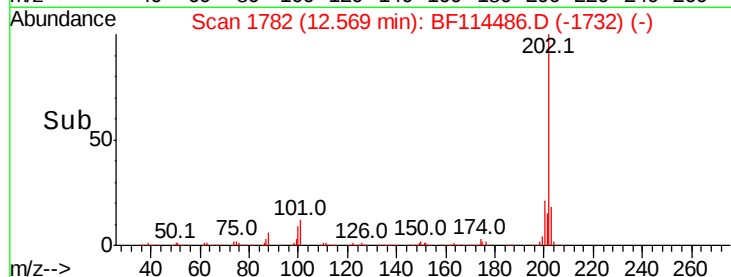
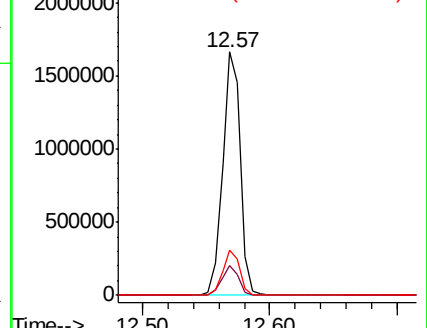
5/23/2019 4:07:45 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

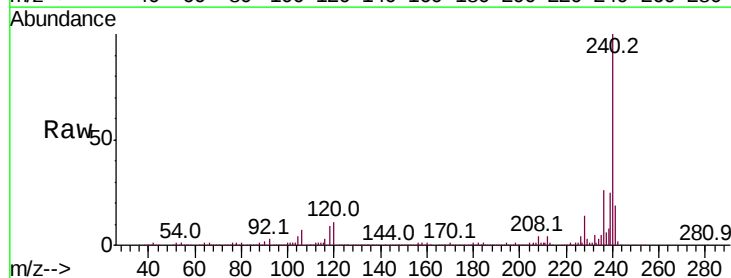
Tgt Ion:240 Resp: 596736

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

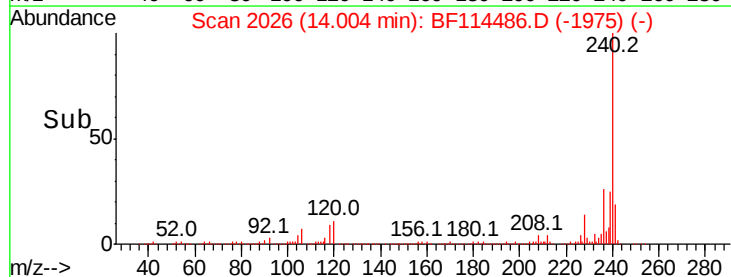
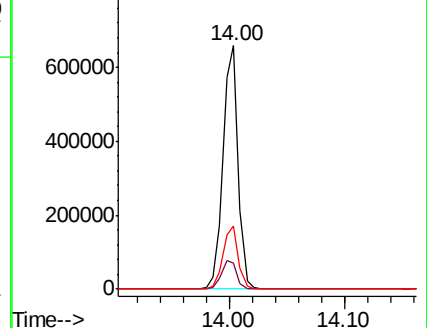
236 26.2 20.8 31.2

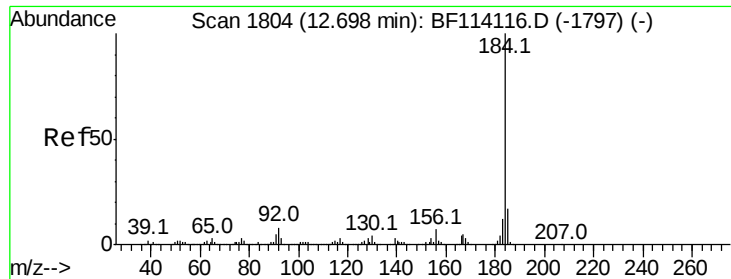


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 30.168 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

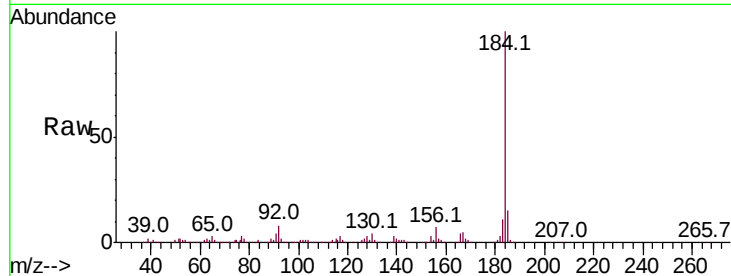
ClientSampled :

PB119674BSD

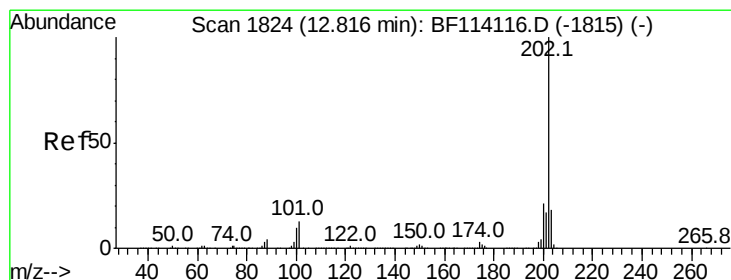
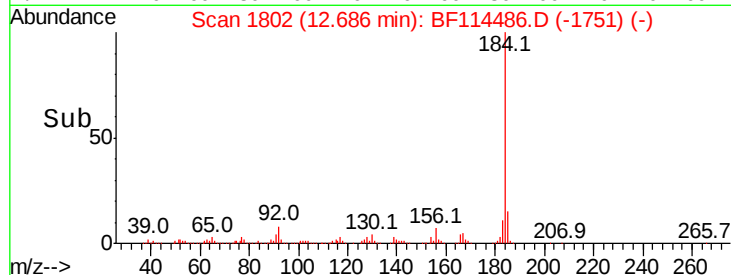
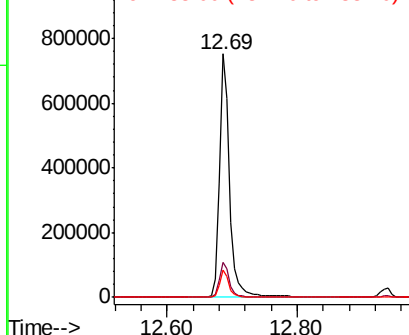
Tot Ion:184	Resp:	808090
Ion Ratio	Lower	Upper
184	100	
185	14.6	13.6 20.4
183	11.1	9.2 13.8

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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: 34.229 ng

RT: 12.80 min Scan# 1821

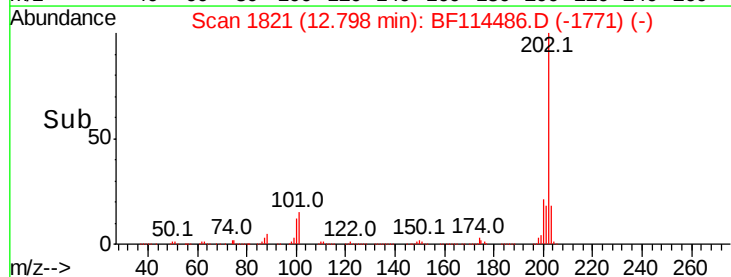
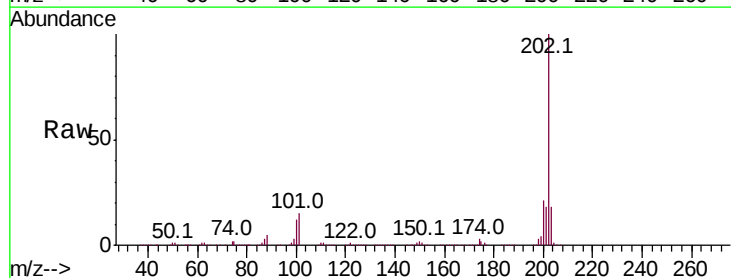
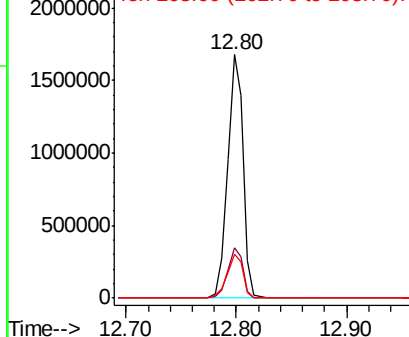
Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion:202	Resp:	1643140
Ion Ratio	Lower	Upper
202	100	
200	20.9	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: 77.411 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:244 Resp: 2240867

Ion Ratio Lower Upper

244 100

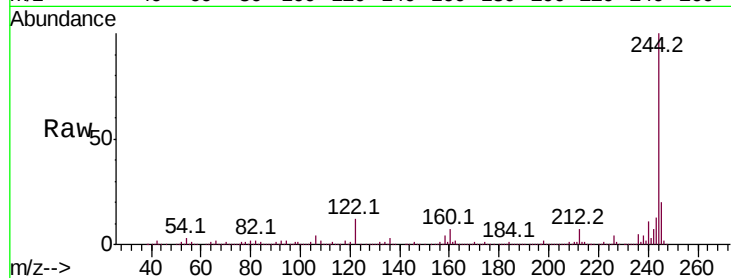
212 6.8 5.8 8.6

122 12.0 9.4 14.2

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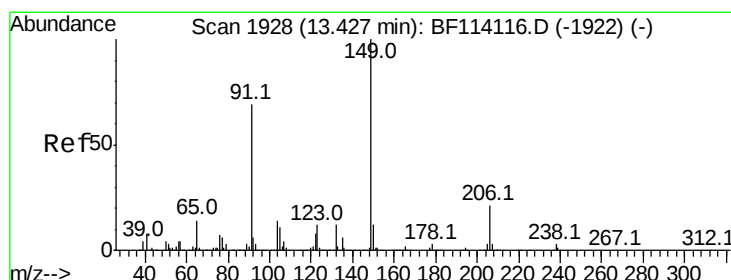
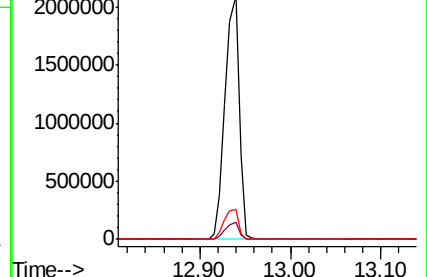
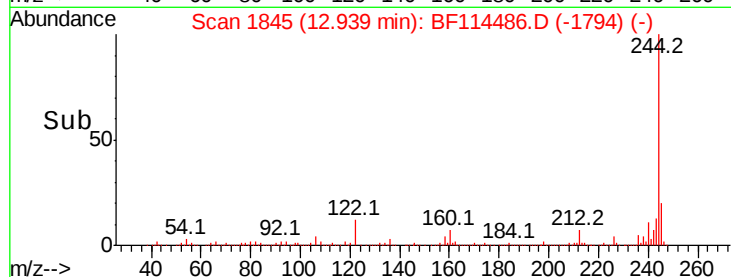
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.864 ng

RT: 13.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

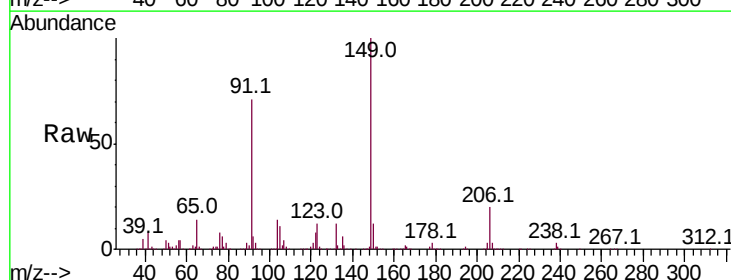
Tgt Ion:149 Resp: 744862

Ion Ratio Lower Upper

149 100

91 70.6 55.0 82.4

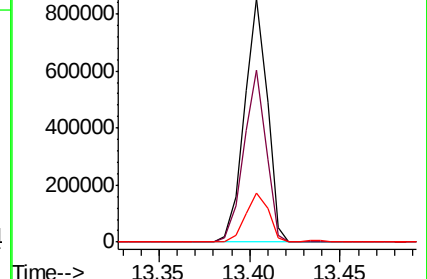
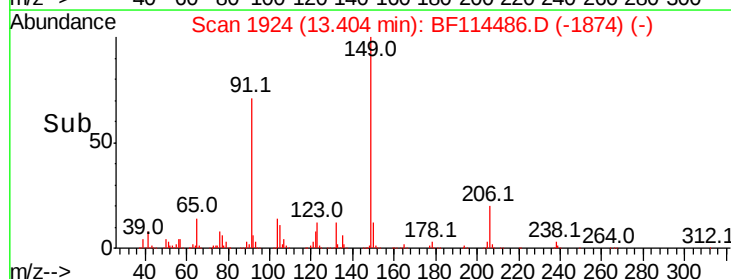
206 20.2 16.9 25.3

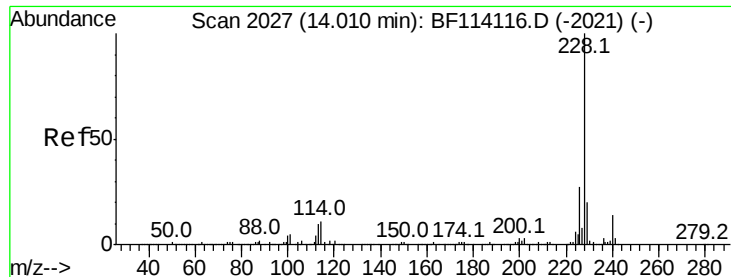


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 36.018 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

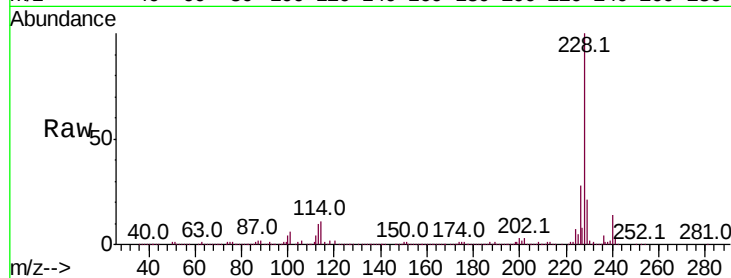
ClientSampleId :

PB119674BSD

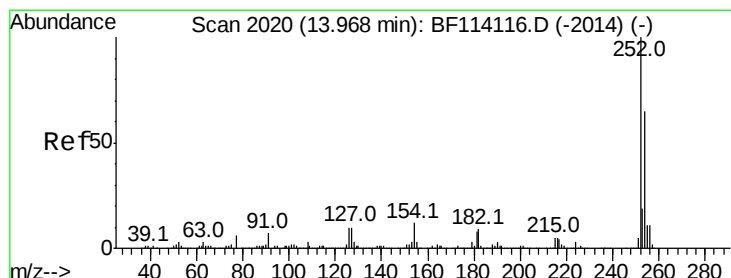
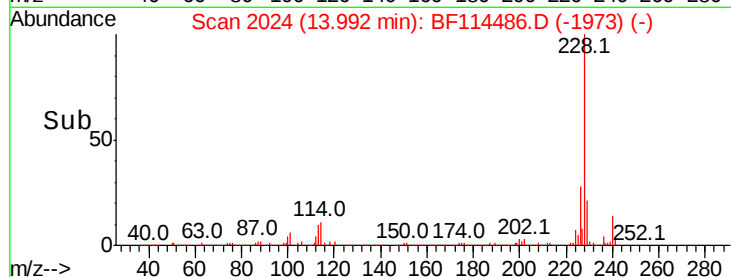
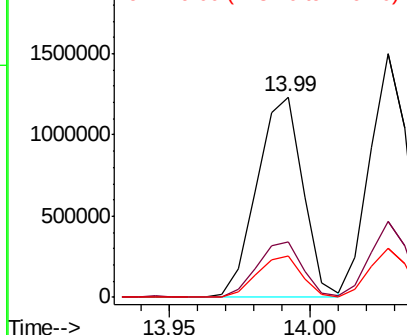
Tot Ion:	228	Resp:	1390182
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.2
229	20.6	16.4	24.6

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



#82

3,3'-Dichlorobenzidine

Concen: 25.723 ng

RT: 13.95 min Scan# 2016

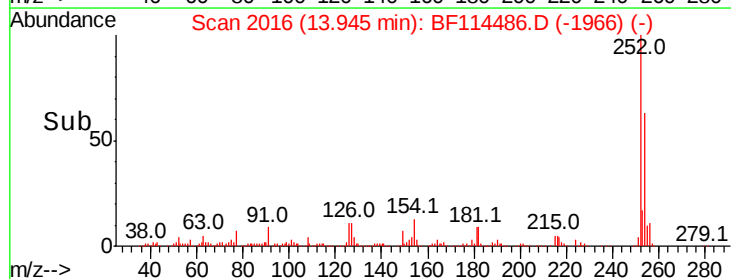
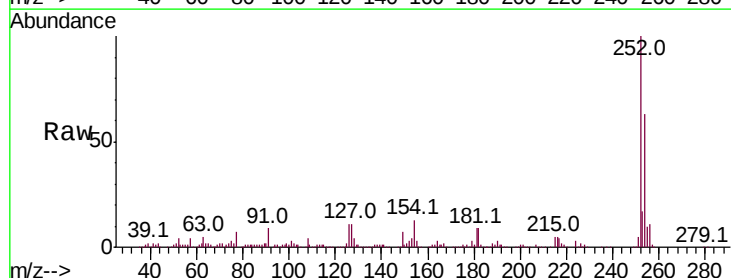
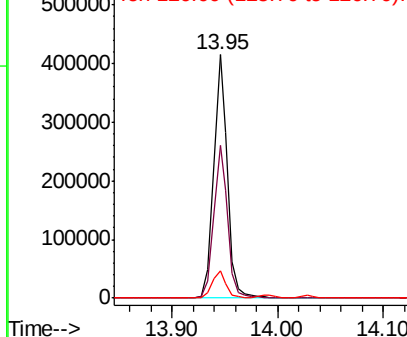
Delta R.T. -0.01 min

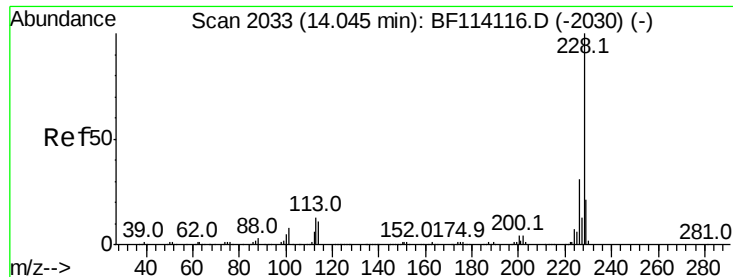
Lab File: BF114486.D

Acq: 22 May 2019 15:24

Tgt Ion:	252	Resp:	385136
Ion Ratio	Lower	Upper	
252	100		
254	63.0	51.9	77.9
126	11.4	7.9	11.9

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





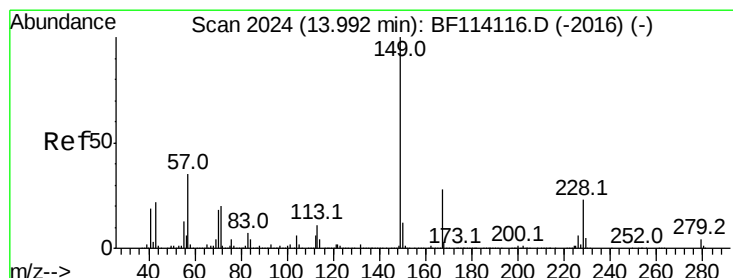
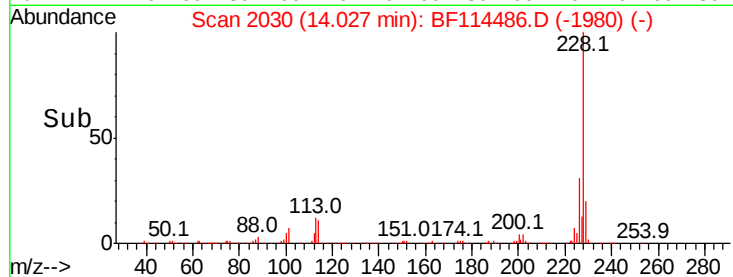
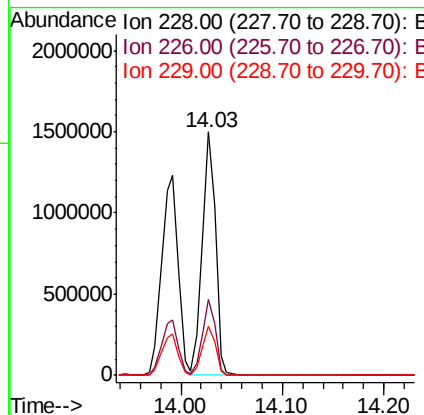
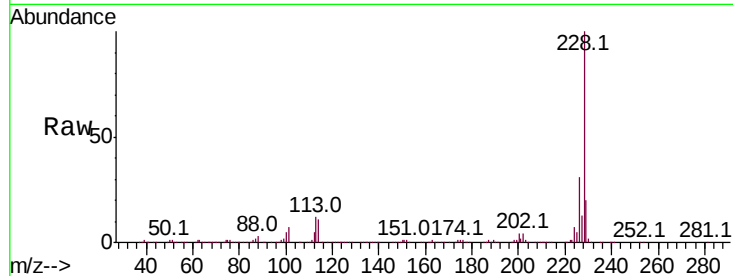
#83
 Chrvsene
 Concen: 36.196 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 PB119674BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	20.4	17.0	25.6

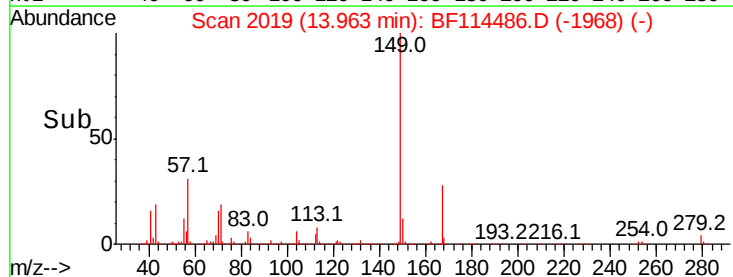
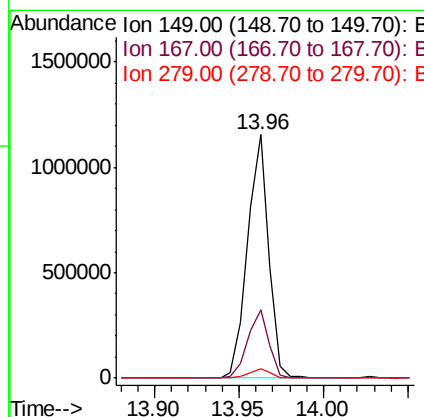
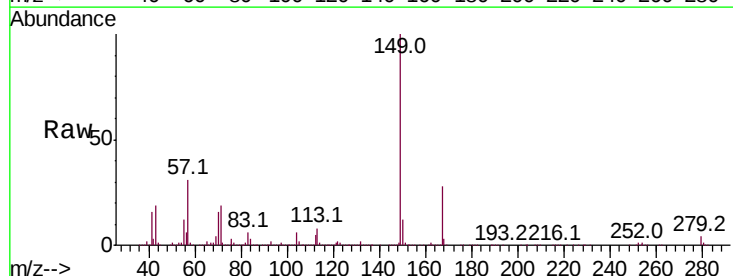
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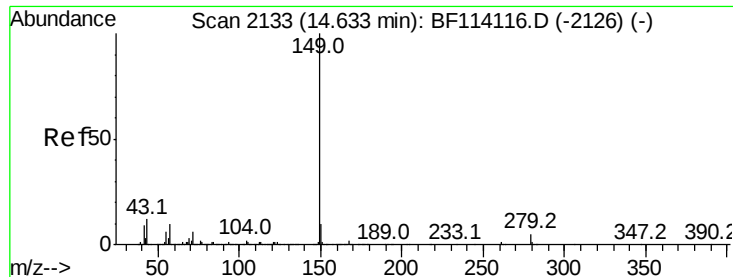
mohammad
 5/23/2019 4:07:45 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.251 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF114486.D
 Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	3.8	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 39.177 ng

RT: 14.58 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

PB119674BSD

Tot Ion:149 Resp: 1678292

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

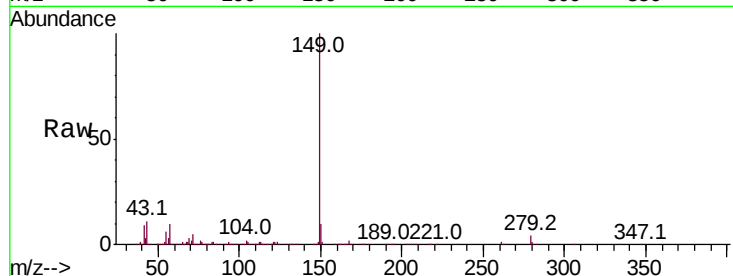
43 11.9 10.1 15.1

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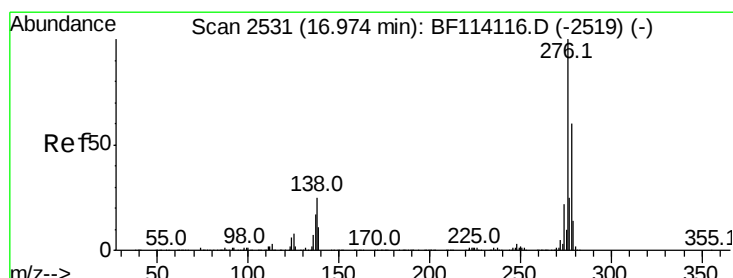
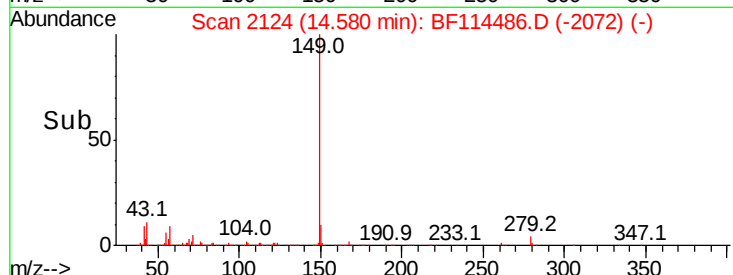
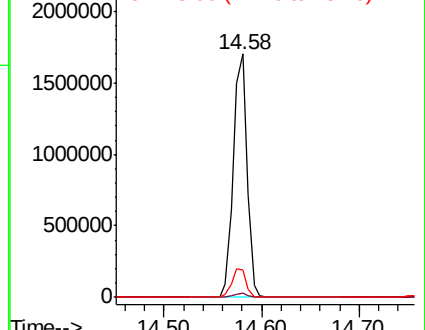
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.631 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF114486.D

Acq: 22 May 2019 15:24

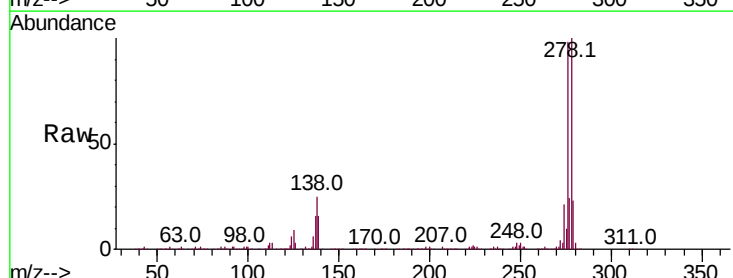
Tgt Ion:276 Resp: 1191444

Ion Ratio Lower Upper

276 100

138 25.5 20.2 30.2

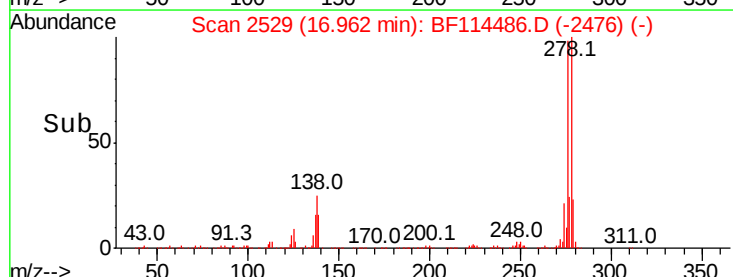
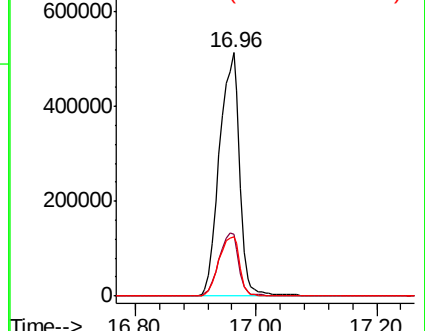
277 25.3 20.0 30.0

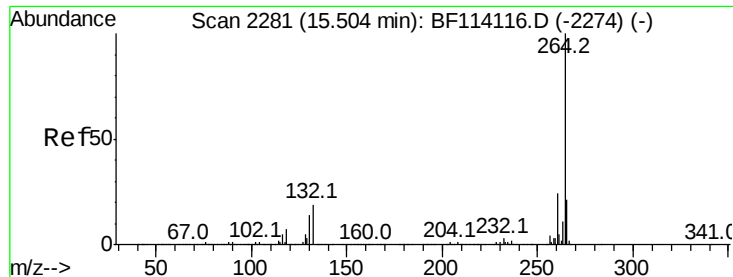


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





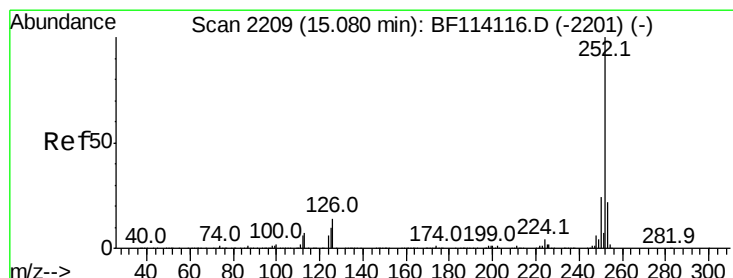
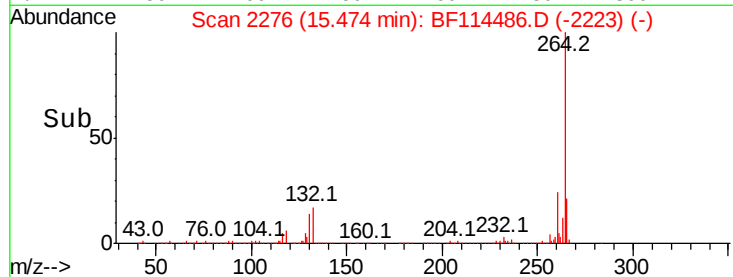
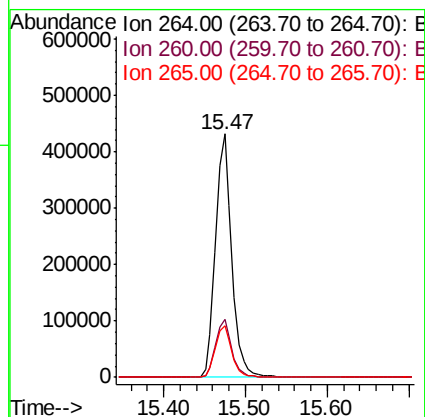
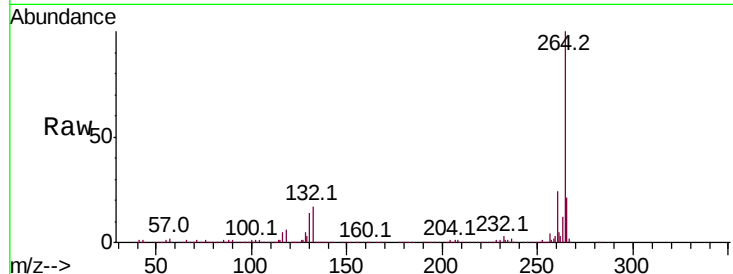
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion:	264	Resp:	598906
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.0
265	21.3	16.9	25.3

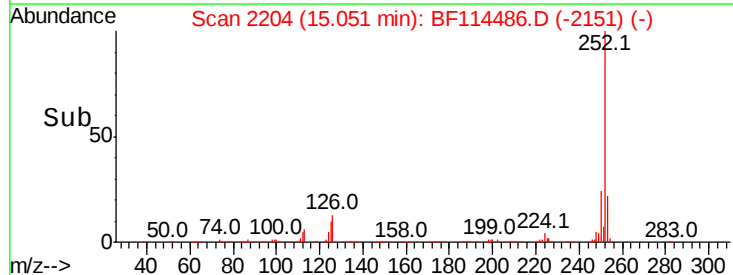
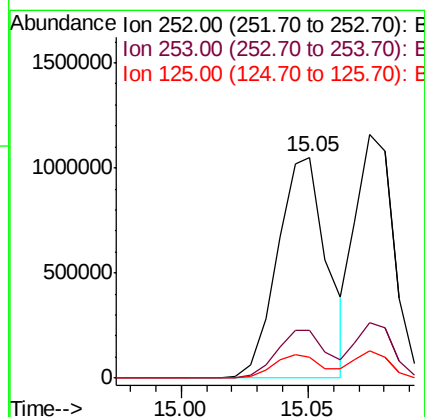
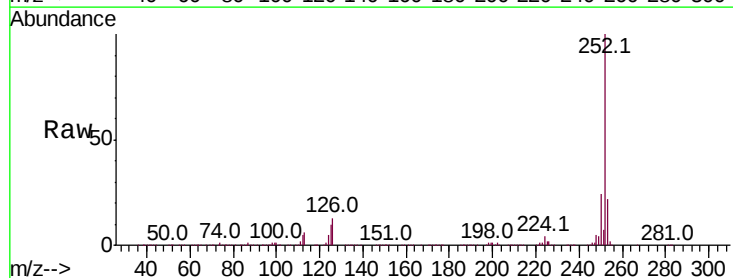
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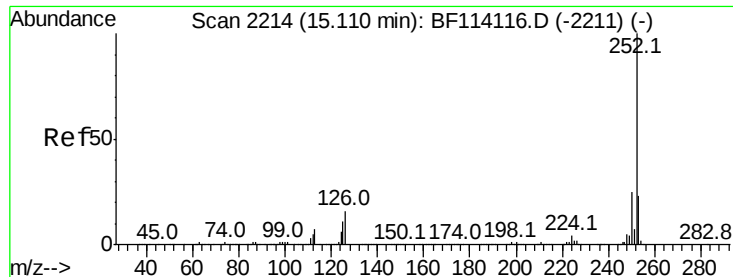
mohammad
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#88
Benzo(b)fluoranthene
Concen: 37.136 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion:	252	Resp:	1424889
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.8	26.8
125	9.6	8.3	12.5





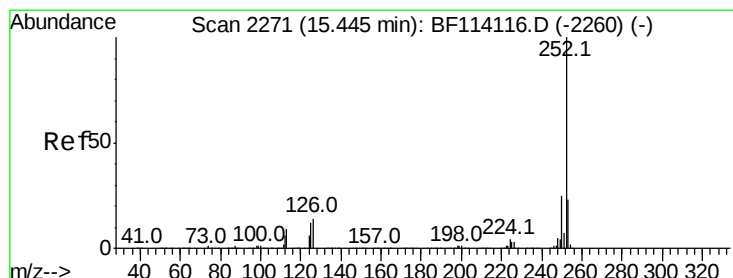
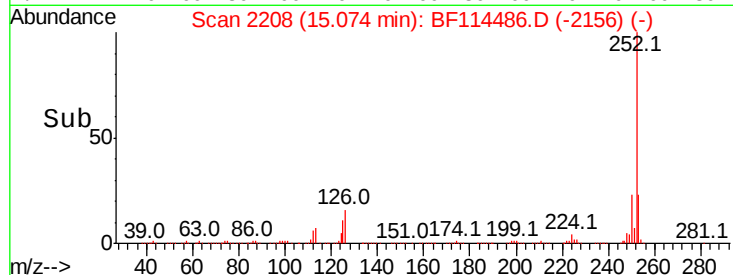
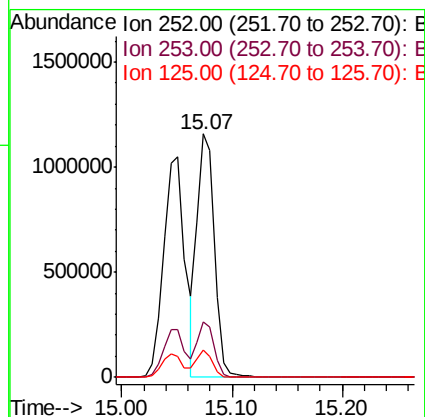
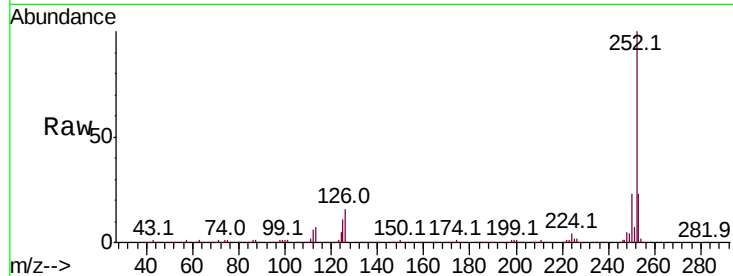
#89
Benzo(k)fluoranthene
Concen: 34.873 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.2	8.6	13.0

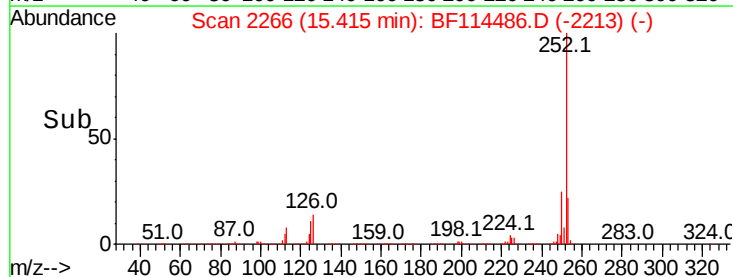
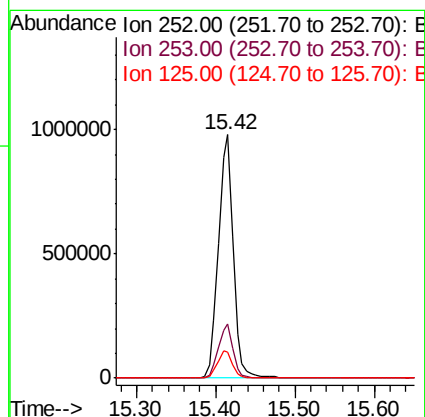
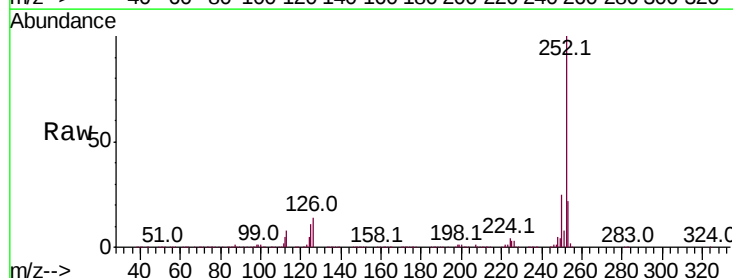
Manual Integrations
APPROVED

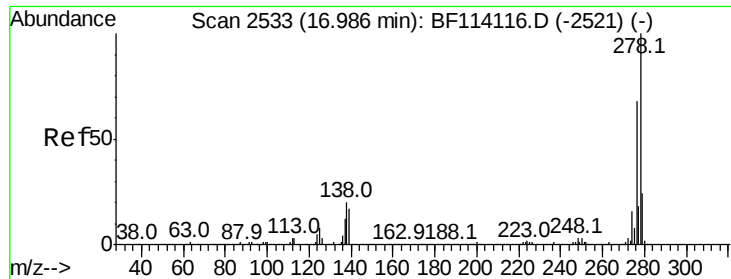
mohammad
5/23/2019 4:07:45 AM



#90
Benzo(a)pyrene
Concen: 37.594 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.8	9.5	14.3





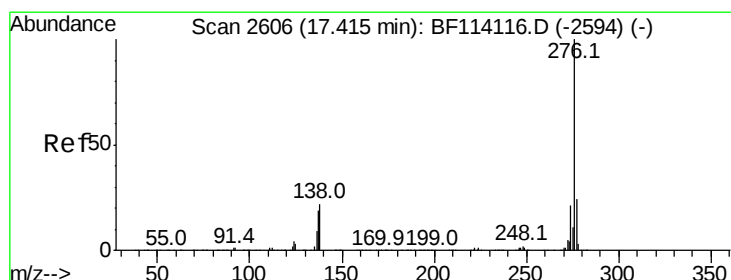
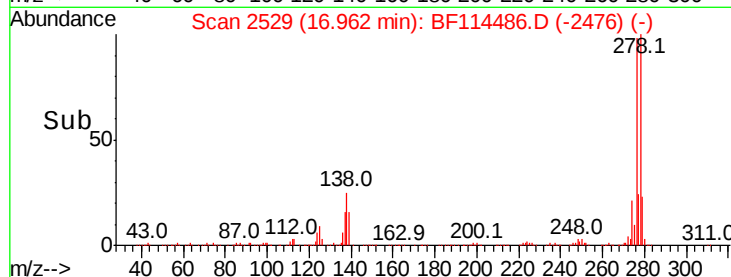
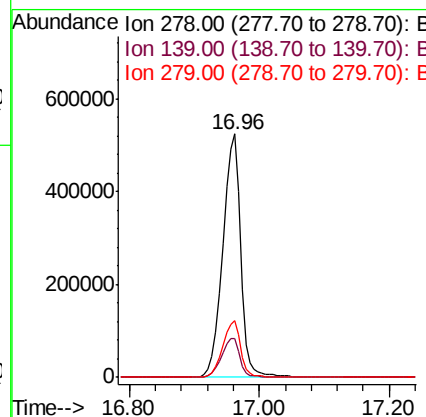
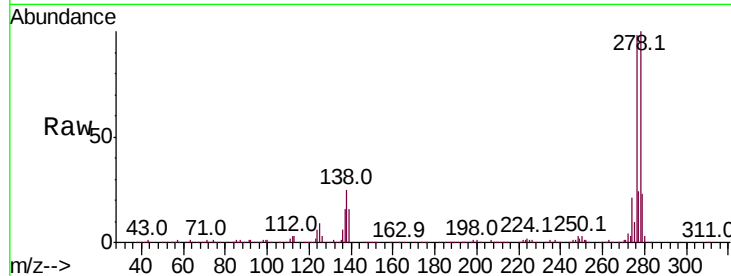
#91
Dibenzo(a,h)anthracene
Concen: 35.792 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
PB119674BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.5	20.3
279	23.3	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/23/2019 4:07:45 AM



#92
Benzo(g,h,i)perylene
Concen: 35.420 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.01 min
Lab File: BF114486.D
Acq: 22 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.8	17.8	26.6

