

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114064.D
 Acq On : 1 May 2019 13:02
 Operator : JU/SJ
 Sample : K2194-09RE 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 14:56:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	114138	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	425586	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	225254	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	426209	20.00	ng	0.00
76) Chrysene-d12	14.07	240	350191	20.00	ng	0.00
87) Perylene-d12	15.57	264	240698	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	327845	49.13	ng	0.00
7) Phenol-d6	6.52	99	399999	47.78	ng	0.00
23) Nitrobenzene-d5	7.45	82	226452	32.85	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	131169	47.80	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	462044	32.08	ng	0.00
79) Terphenyl-d14	13.00	244	561578	32.88	ng	0.00

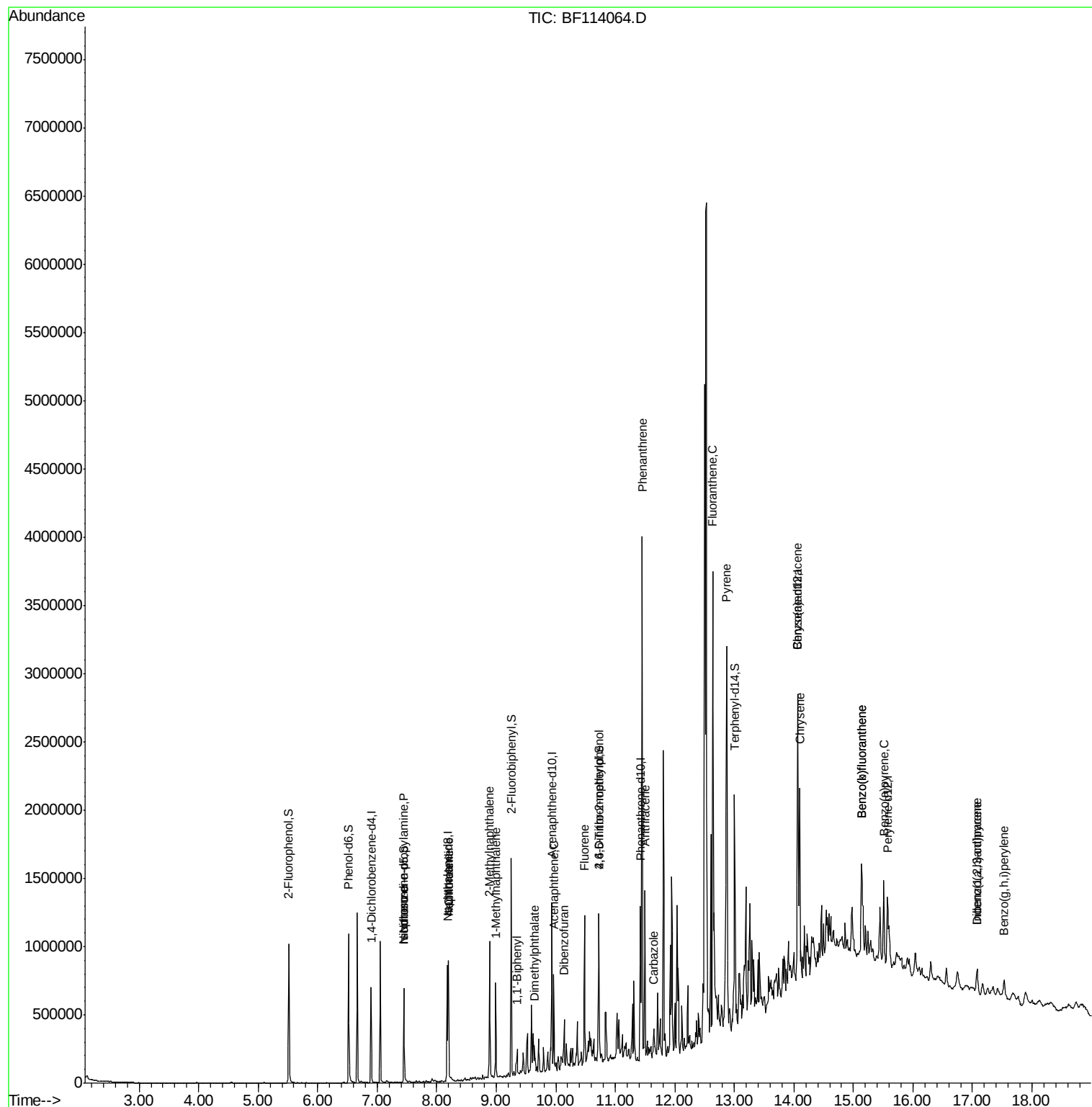
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	394	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	30348	5.597 ng	#	76
25) Isophorone	7.45	82	226450	16.056 ng	#	65
31) Naphthalene	8.20	128	373717	18.485 ng		99
33) 4-Chloroaniline	8.20	127	48079	5.620 ng	#	32
37) 2-Methylnaphthalene	8.89	142	257960	18.921 ng		99
38) 1-Methylnaphthalene	8.99	142	182100	13.839 ng		98
46) 1,1'-Biphenyl	9.35	154	56250	3.269 ng		96
50) Dimethylphthalate	9.64	163	63308	3.886 ng		98
52) Acenaphthene	9.97	154	137820	10.645 ng		94
55) Dibenzofuran	10.14	168	106148	5.473 ng	#	96
58) Fluorene	10.48	166	298483	20.443 ng		100
65) 4,6-Dinitro-2-methylphenol	10.72	198	363	7.466 ng	#	1
71) Phenanthrene	11.45	178	1452933	67.832 ng		99
72) Anthracene	11.50	178	449459	20.779 ng		98
73) Carbazole	11.65	167	81031	4.199 ng		99
75) Fluoranthene	12.64	202	1213771	51.939 ng		99
78) Pyrene	12.87	202	1311965	53.573 ng		100
81) Benzo(a)anthracene	14.06	228	689565	33.421 ng		98
83) Chrysene	14.10	228	594125	29.567 ng		97
86) Indeno(1,2,3-cd)pyrene	17.07	276	125762	6.607 ng		95
88) Benzo(b)fluoranthene	15.14	252	567452	37.262 ng	#	95
89) Benzo(k)fluoranthene	15.14	252	567452	43.319 ng	#	97
90) Benzo(a)pyrene	15.51	252	301753	22.908 ng		97
91) Dibenzo(a,h)anthracene	17.09	278	37398	3.025 ng	#	75
92) Benzo(g,h,i)perylene	17.53	276	122438	9.812 ng		95

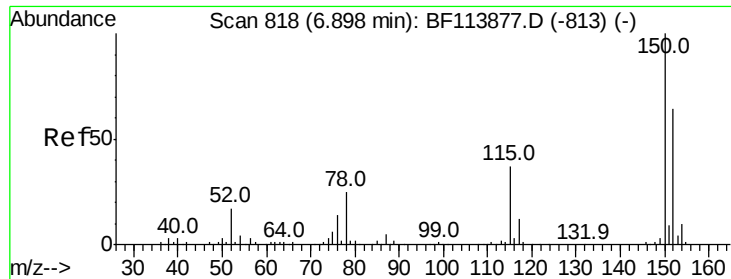
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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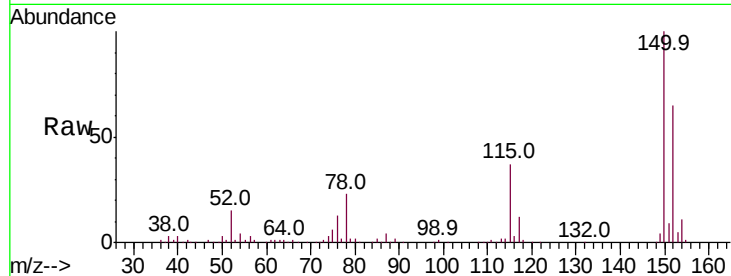


#1

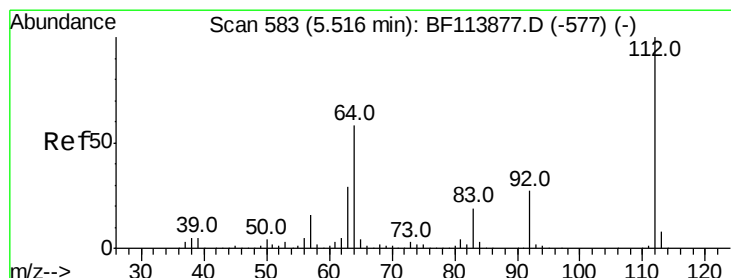
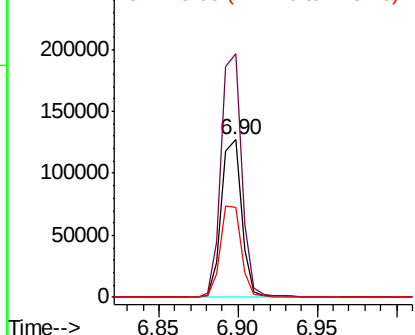
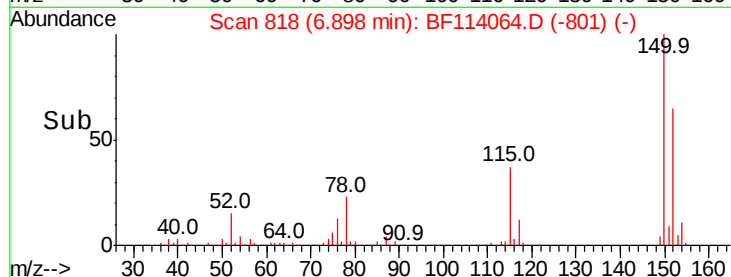
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114138
Ion Ratio Lower Upper
152 100
150 154.8 125.9 188.9
115 57.1 45.9 68.9



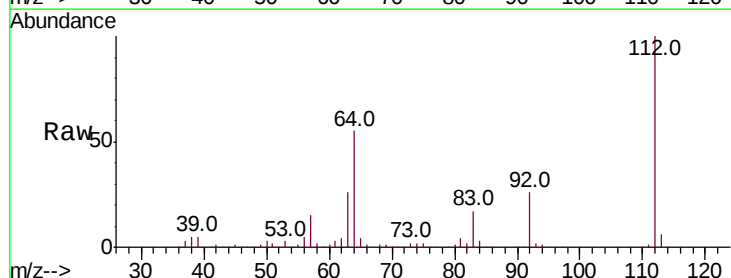
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



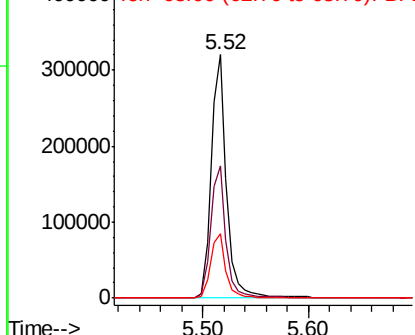
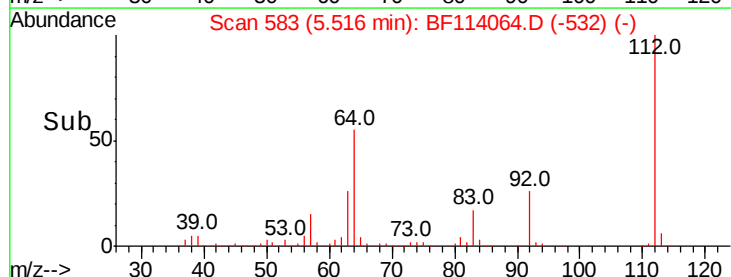
#5

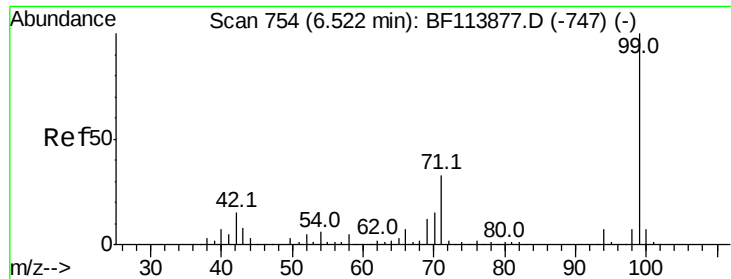
2-Fluorophenol
Concen: 49.128 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Tgt Ion:112 Resp: 327845
Ion Ratio Lower Upper
112 100
64 54.5 46.6 69.8
63 26.4 23.1 34.7



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





#7

Phenol-d6

Concen: 47.775 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :
BNA_F
ClientSampleId :

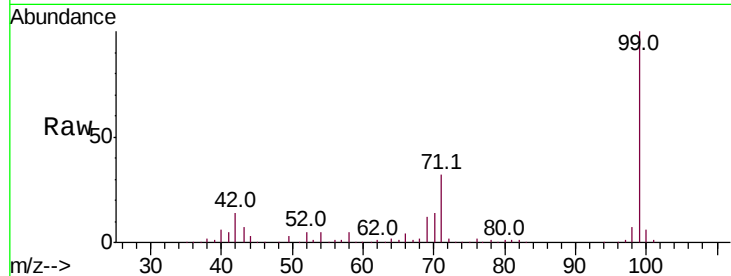
Tot Ion: 99 Resp: 399999

Ion Ratio Lower Upper

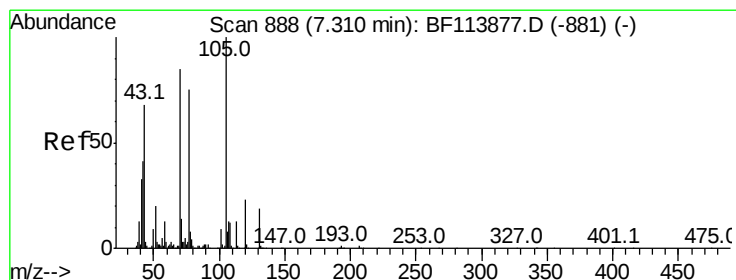
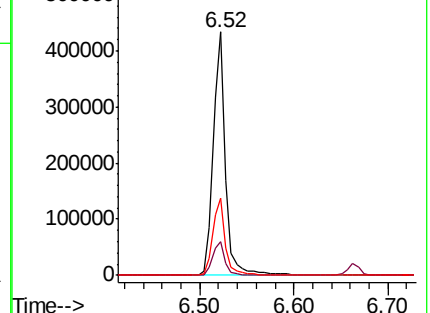
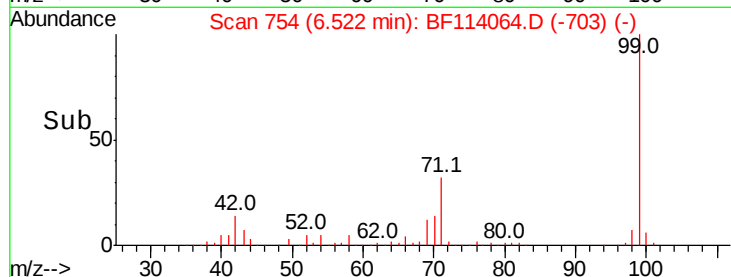
99 100

42 13.7 12.5 18.7

71 31.8 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.597 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Tgt Ion: 70 Resp: 30348

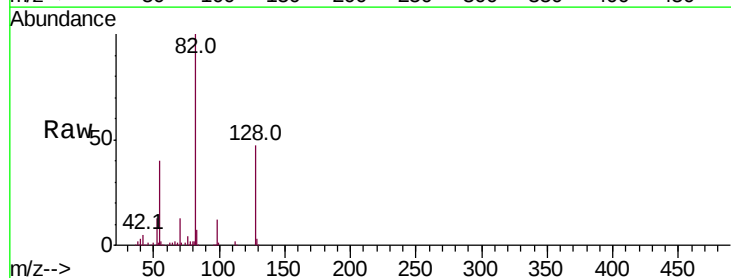
Ion Ratio Lower Upper

70 100

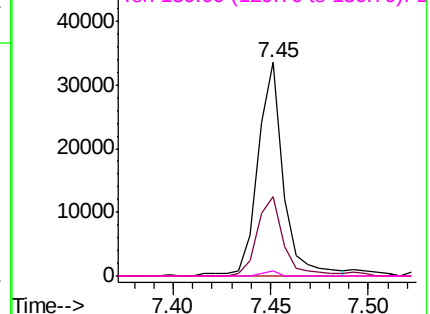
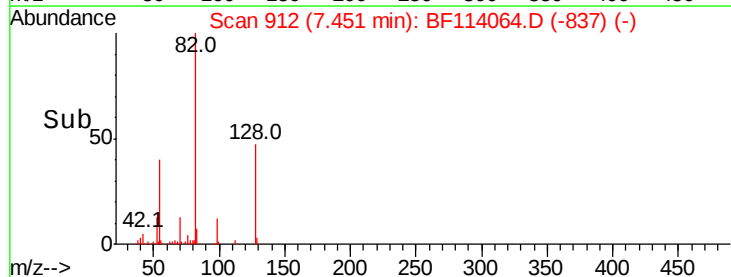
42 37.4 37.3 55.9

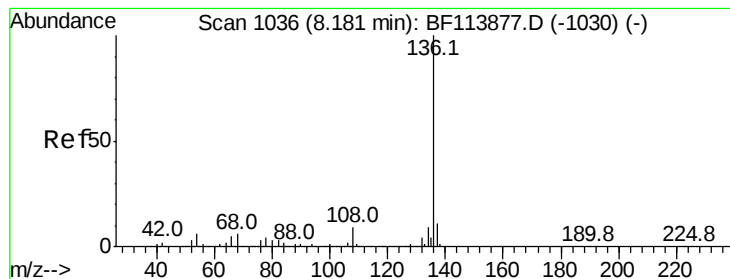
101 0.0 7.8 11.8#

130 2.1 18.2 27.2#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 425586

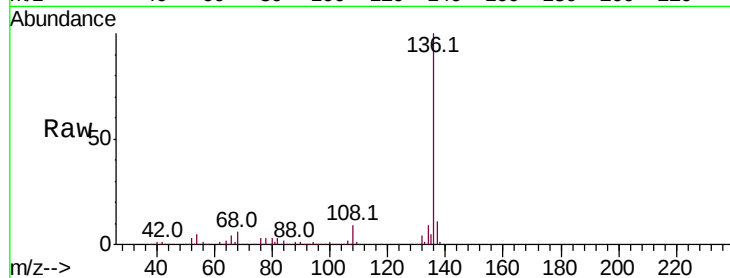
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 5.4 5.0 7.6

68 5.9 4.9 7.3

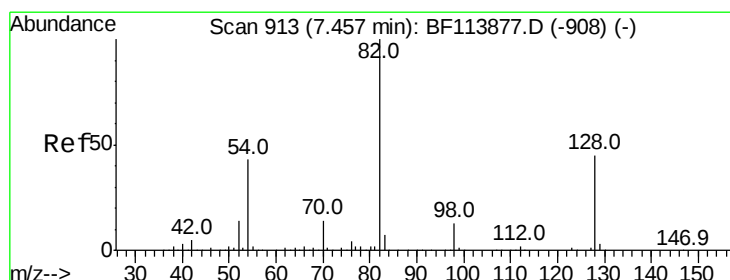
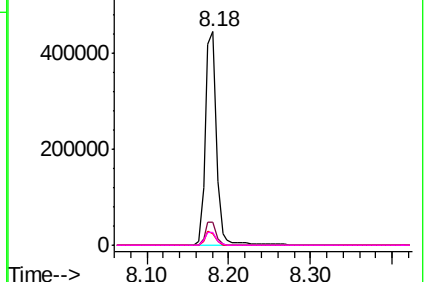
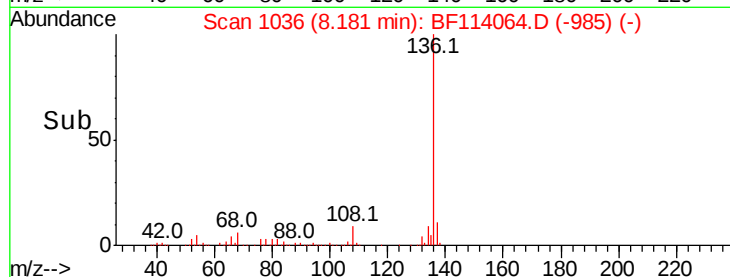


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 32.854 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

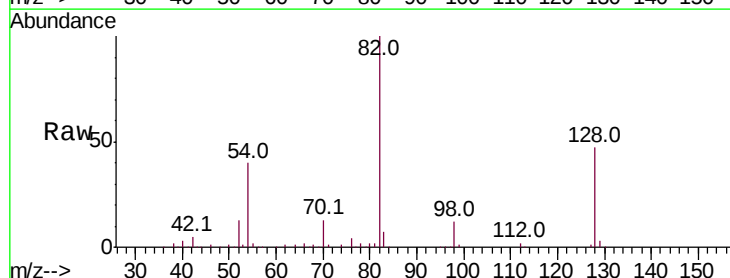
Tgt Ion: 82 Resp: 226452

Ion Ratio Lower Upper

82 100

128 47.1 36.8 55.2

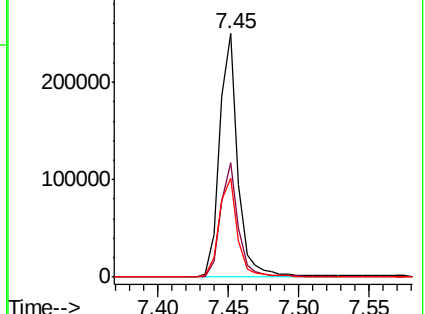
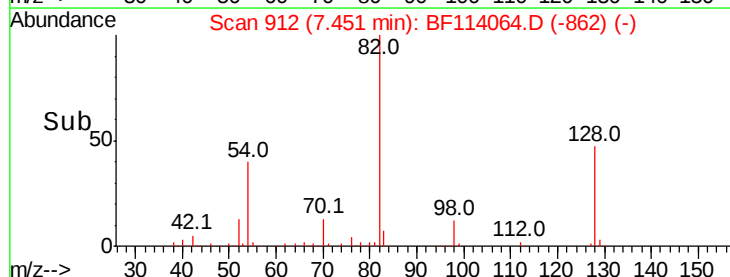
54 40.4 33.8 50.6

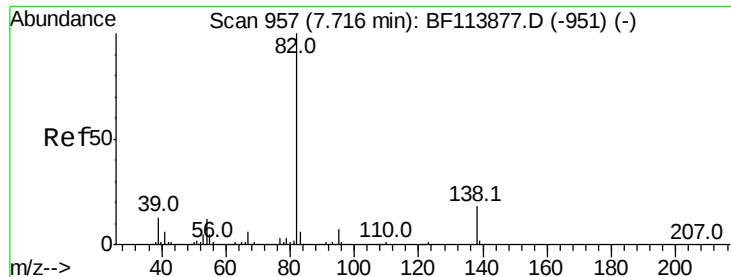


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.056 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

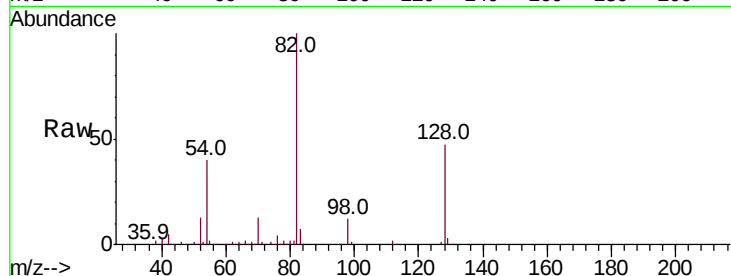
Tot Ion: 82 Resp: 226450

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

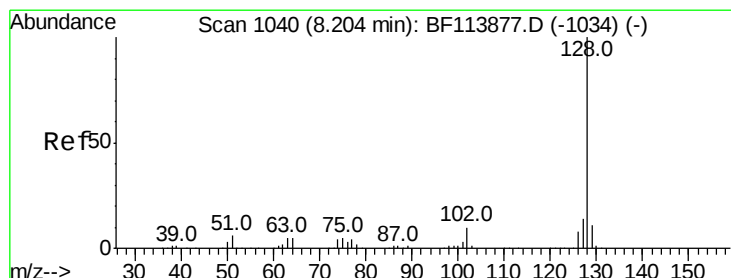
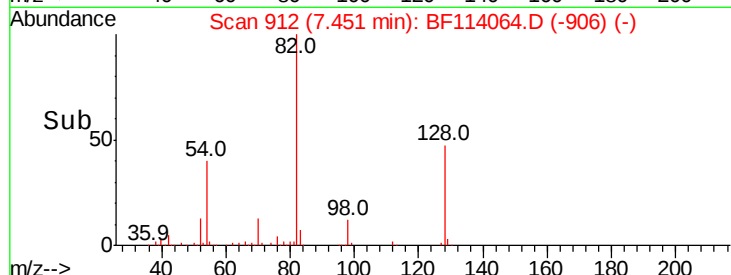
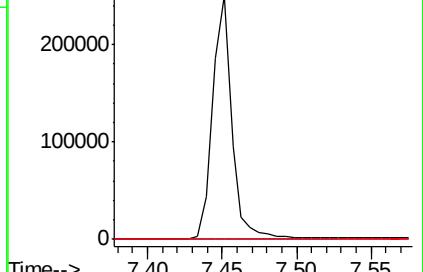
138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 18.485 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

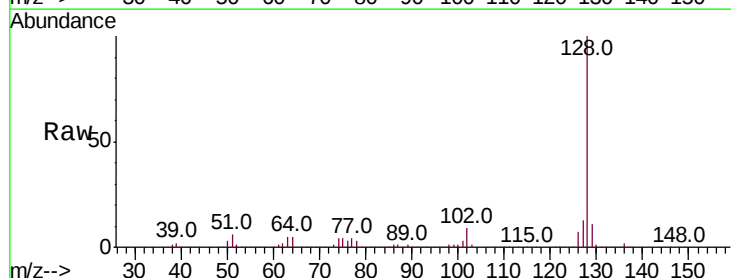
Tgt Ion: 128 Resp: 373717

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

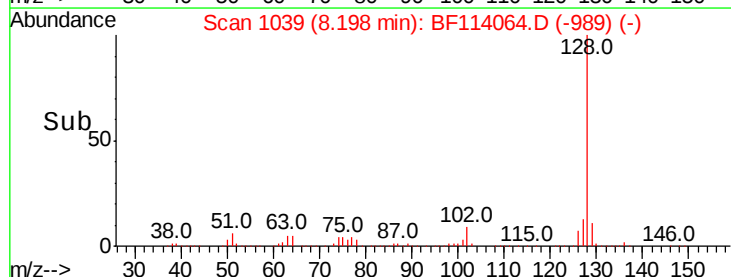
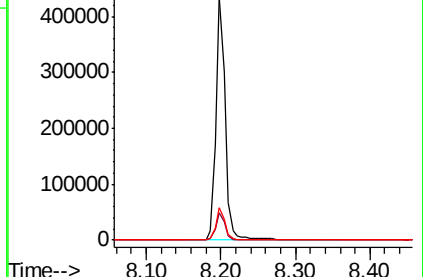
127 13.2 10.8 16.2

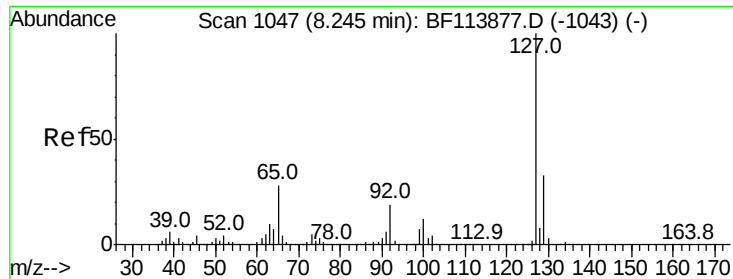


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

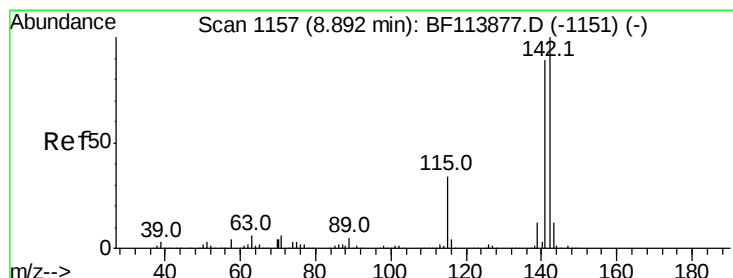
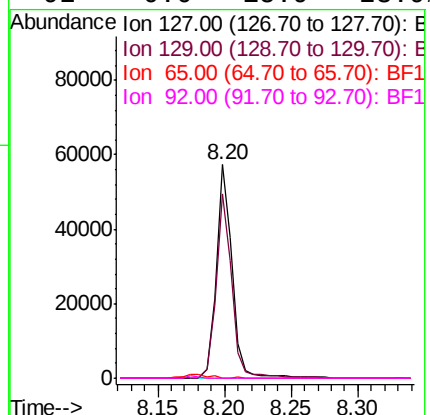
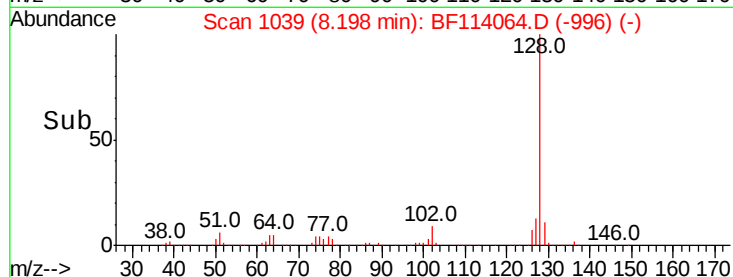
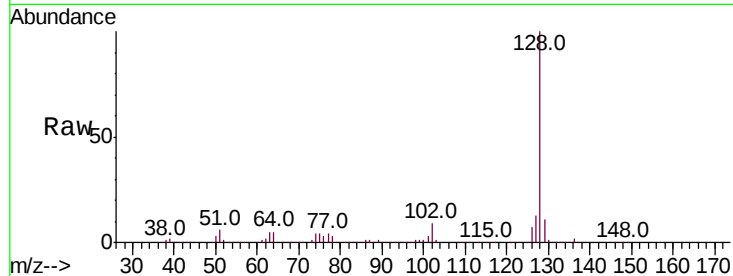




#33
4-Chloroaniline
Concen: 5.620 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

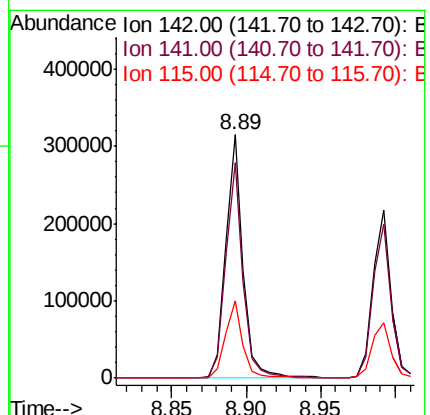
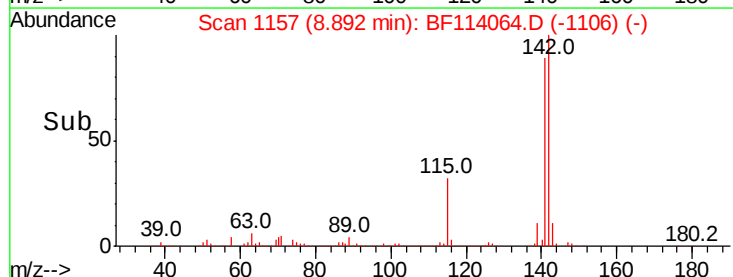
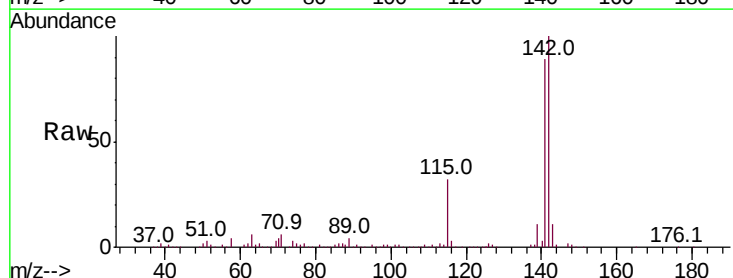
Instrument :
BNA_F
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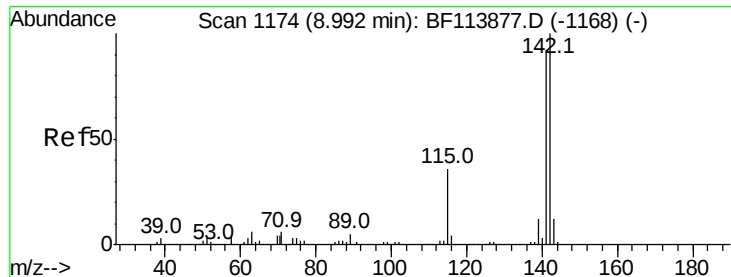
Tot Ion:127 Resp: 48079
Ion Ratio Lower Upper
127 100
129 86.5 26.4 39.6#
65 0.0 24.9 37.3#
92 0.0 15.9 23.9#



#37
2-Methylnaphthalene
Concen: 18.921 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Tgt Ion:142 Resp: 257960
Ion Ratio Lower Upper
142 100
141 88.7 70.4 105.6
115 31.6 26.3 39.5





#38

1-Methylnaphthalene

Concen: 13.839 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

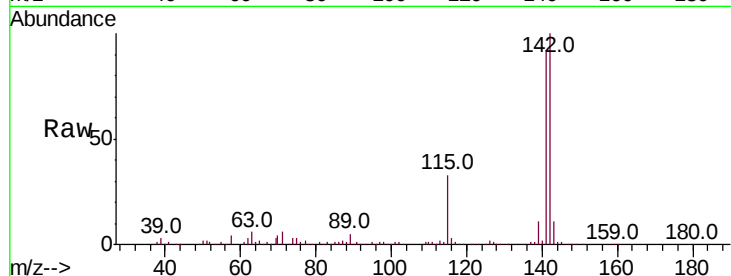
Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 182100

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.3	108.5
116	3.5	3.0	4.4

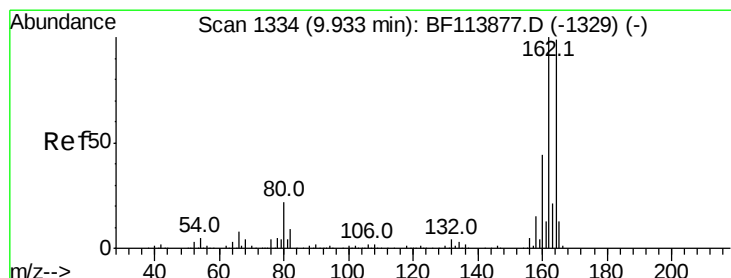
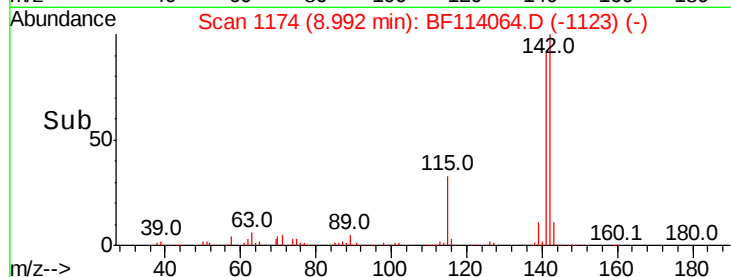
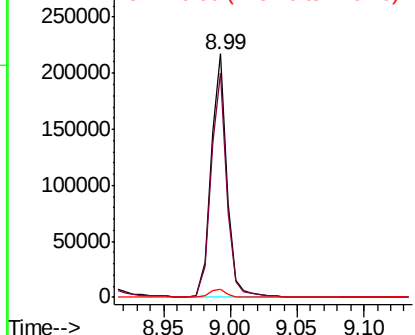


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

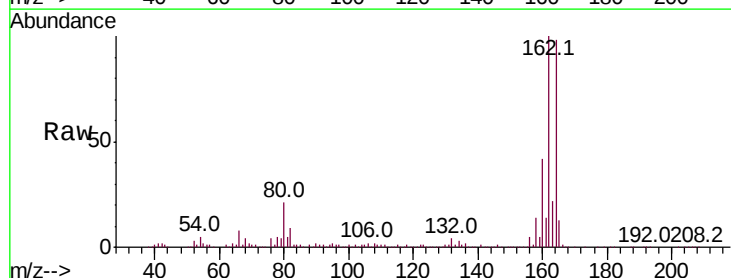
Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Tgt Ion:164 Resp: 225254

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.1	121.7
160	43.4	35.8	53.6

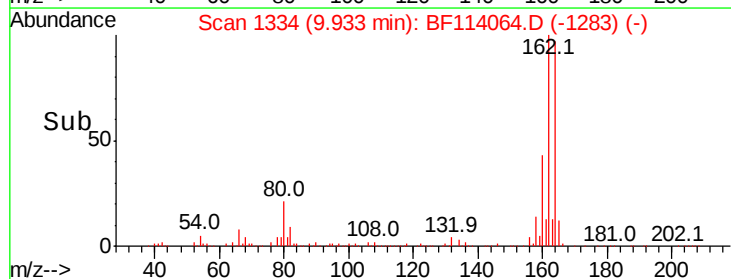
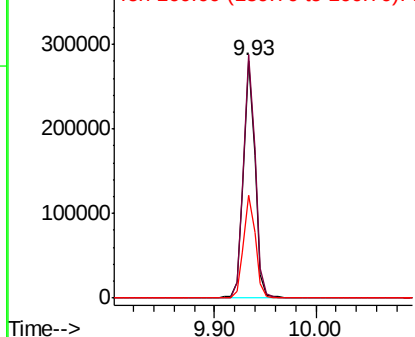


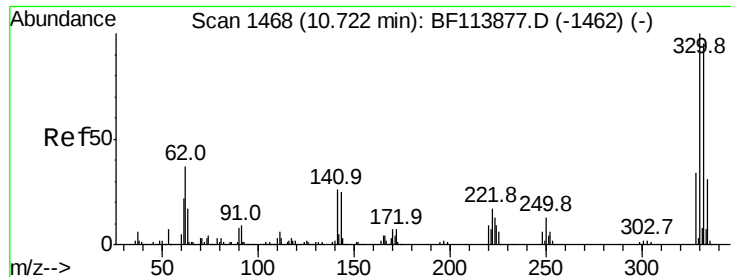
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 47.801 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

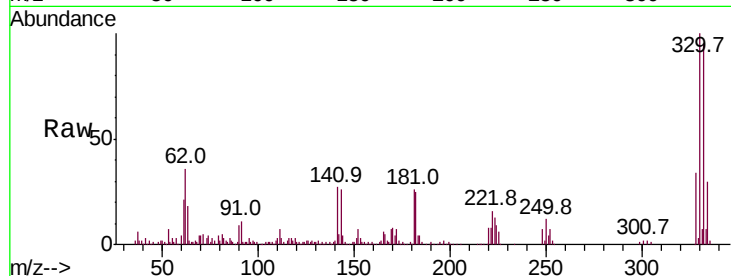
Tot Ion:330 Resp: 131169

Ion Ratio Lower Upper

330 100

332 96.1 77.5 116.3

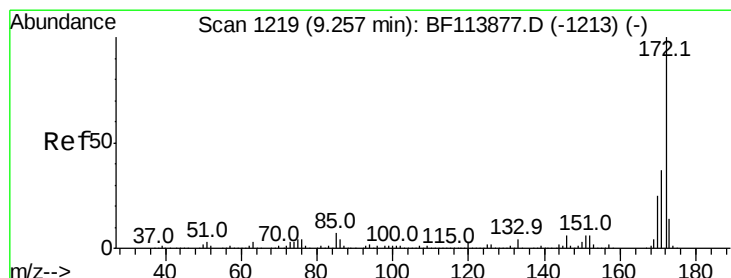
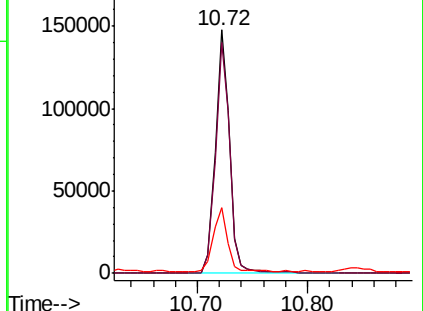
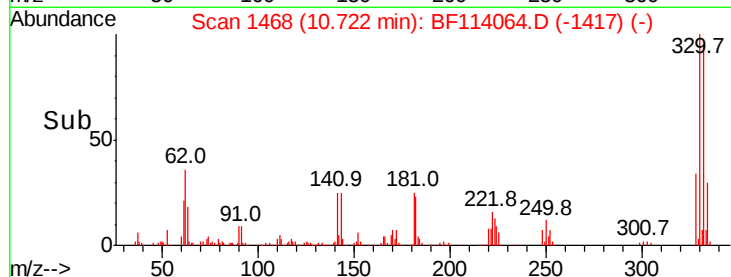
141 25.5 22.2 33.2



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



#45

2-Fluorobiphenyl

Concen: 32.081 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

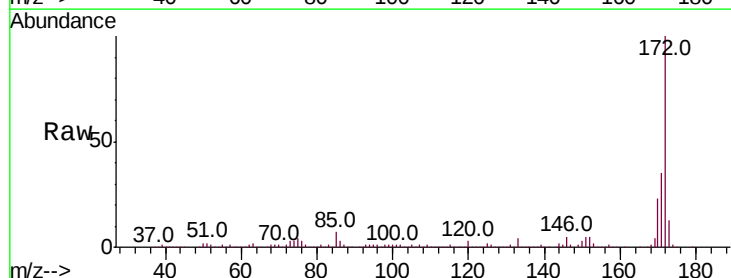
Tgt Ion:172 Resp: 462044

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

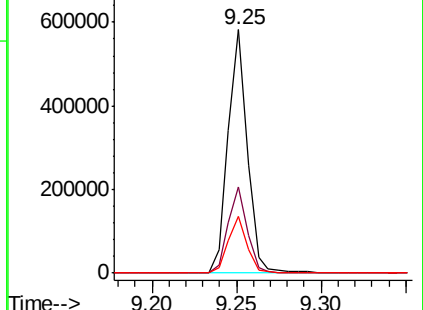
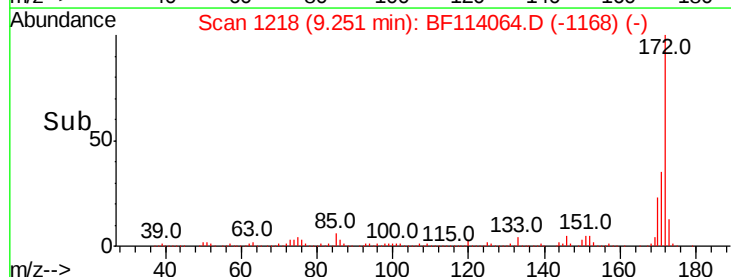
170 23.4 19.9 29.9

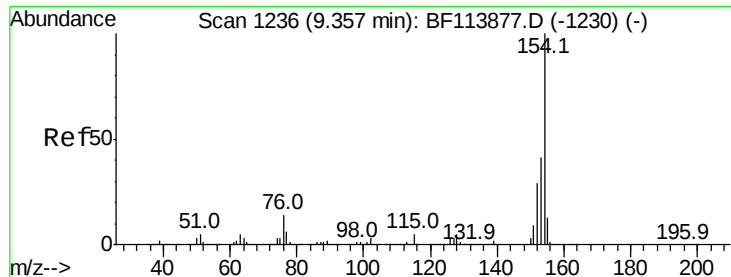


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

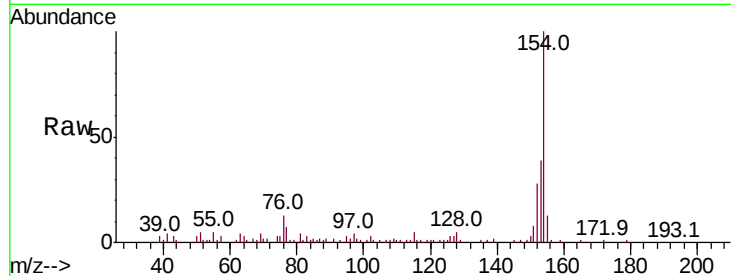




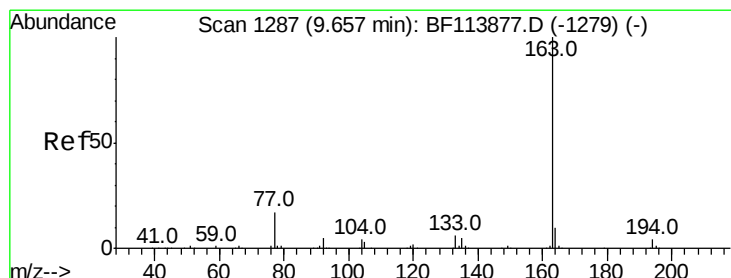
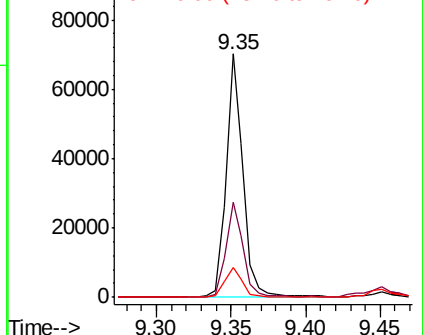
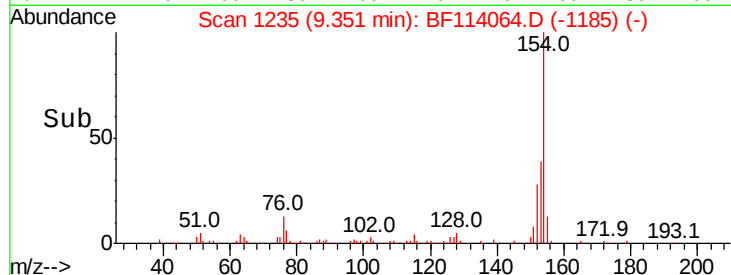
#46
 1,1'-Biphenyl
 Concen: 3.269 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.8	60.8
76	12.5	0.0	35.2

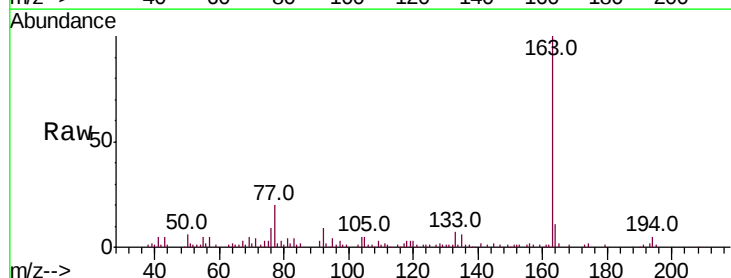


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

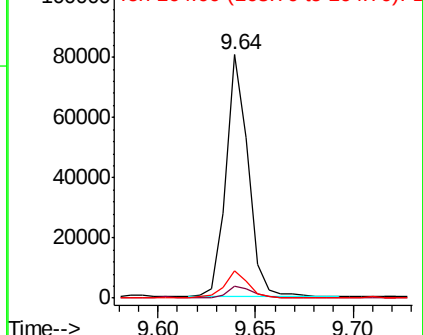
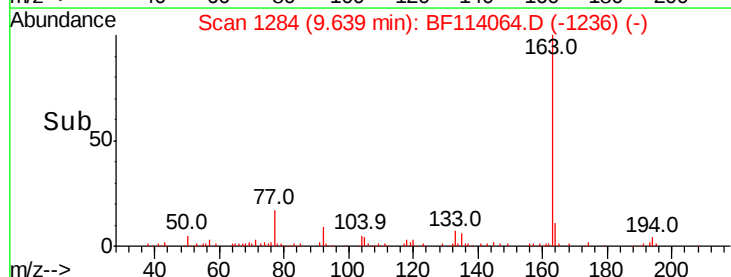


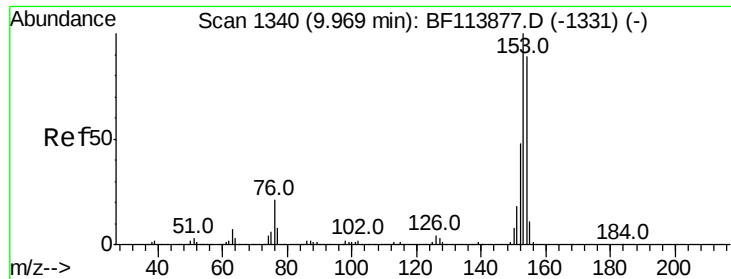
#50
 Dimethylphthalate
 Concen: 3.886 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.02 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	11.5	8.5	12.7



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

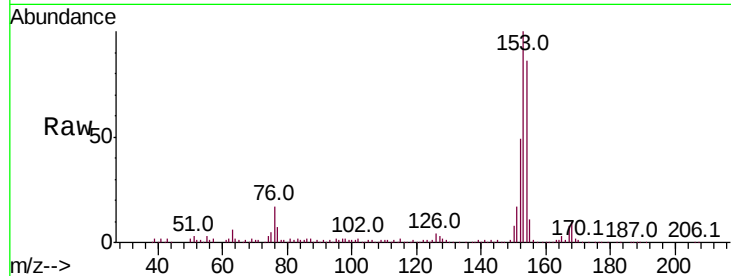




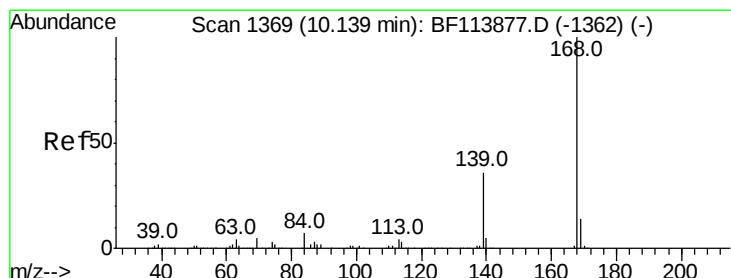
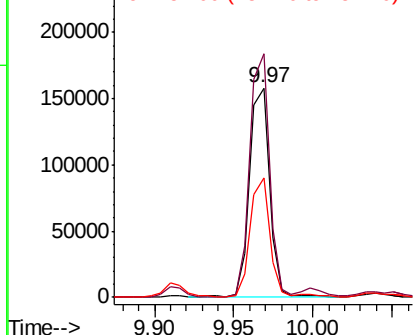
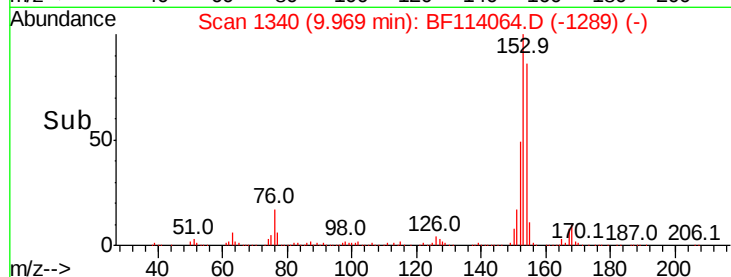
#52
Acenaphthene
Concen: 10.645 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 137820
Ion Ratio Lower Upper
154 100
153 116.2 87.2 130.8
152 56.7 42.3 63.5

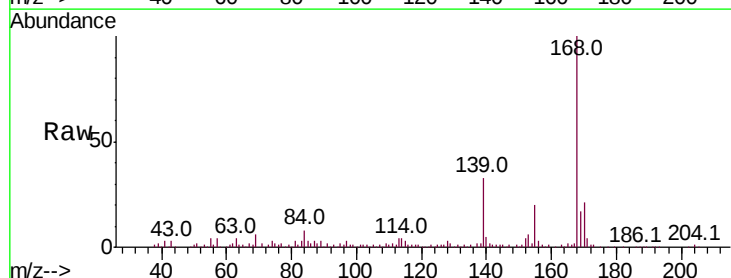


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

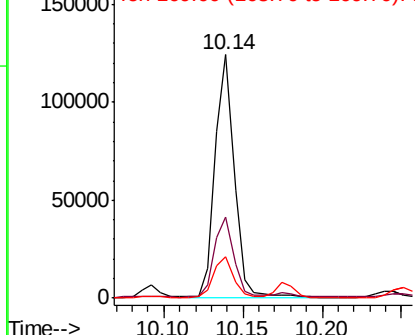
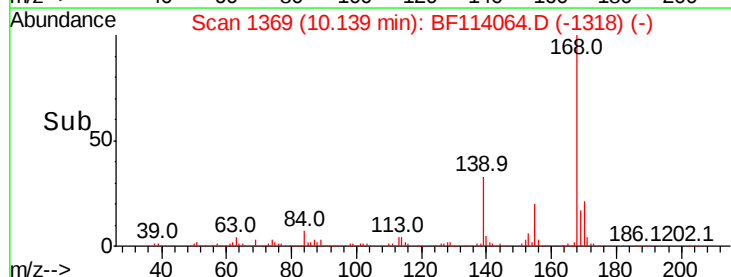


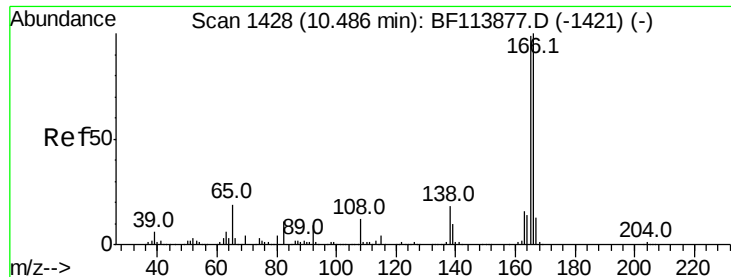
#55
Dibenzofuran
Concen: 5.473 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Tgt Ion:168 Resp: 106148
Ion Ratio Lower Upper
168 100
139 33.3 27.8 41.6
169 16.9 11.0 16.6#



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





#58

Fluorene

Concen: 20.443 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

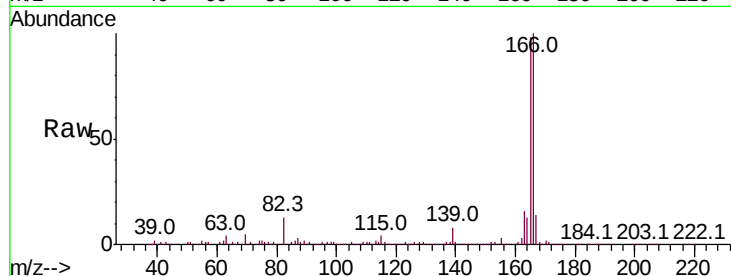
Tot Ion:166 Resp: 298483

Ion Ratio Lower Upper

166 100

165 98.3 78.4 117.6

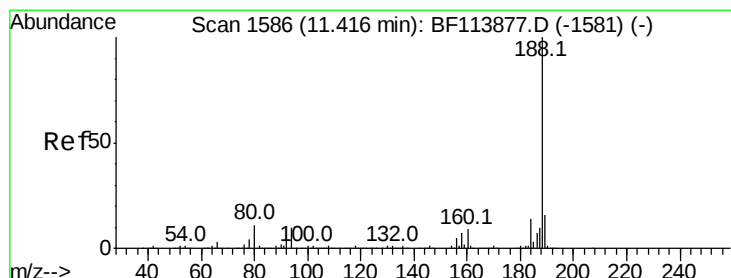
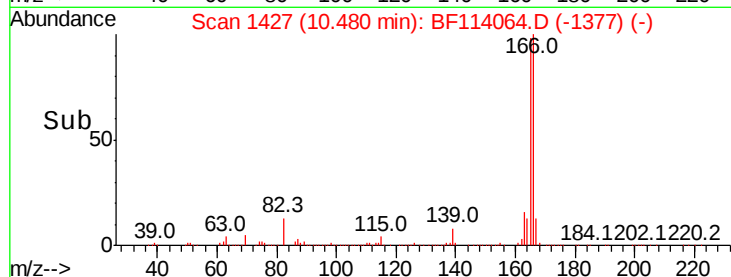
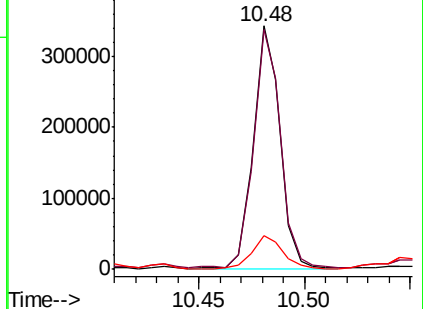
167 13.8 10.9 16.3



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

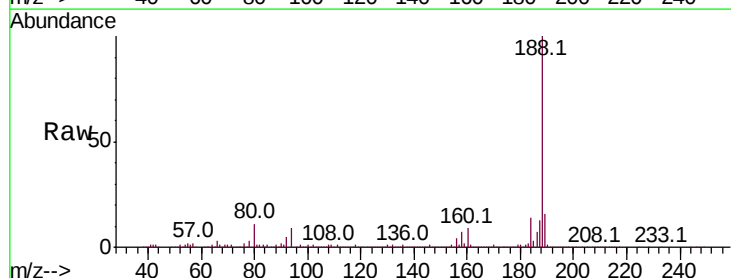
Tgt Ion:188 Resp: 426209

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.4

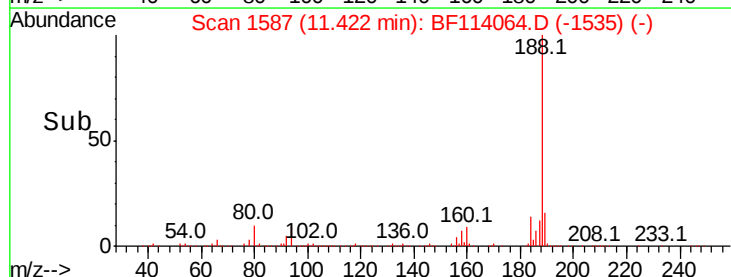
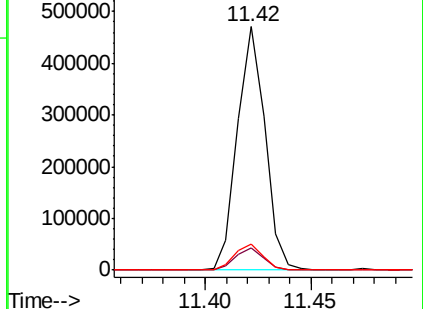
80 10.6 9.0 13.6

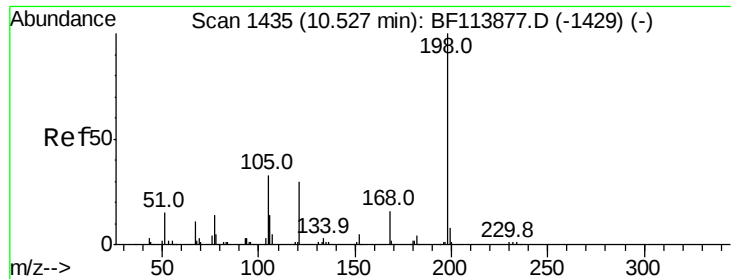


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.466 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

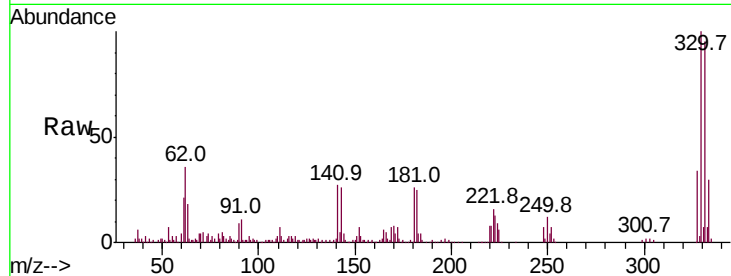
Tot Ion:198 Resp: 363

Ion Ratio Lower Upper

198 100

51 462.4 11.1 51.1#

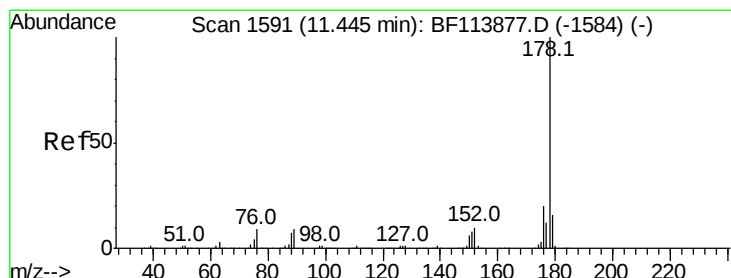
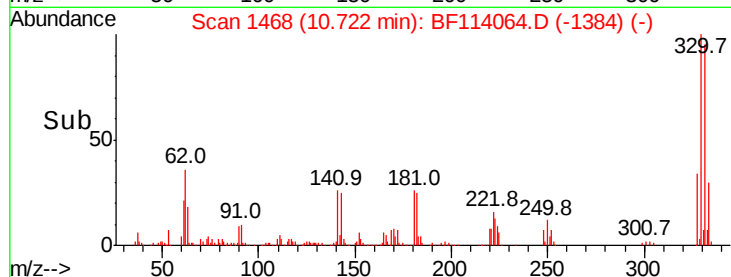
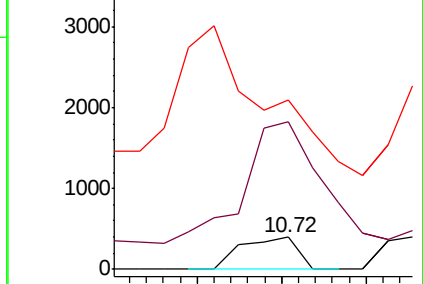
105 528.8 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 67.832 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

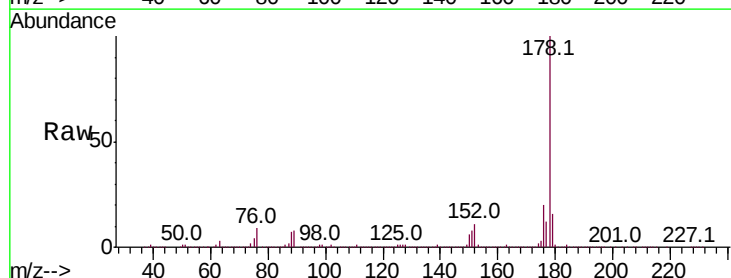
Tgt Ion:178 Resp: 1452933

Ion Ratio Lower Upper

178 100

176 20.5 16.1 24.1

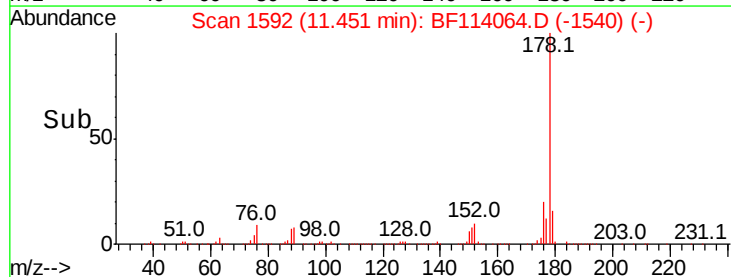
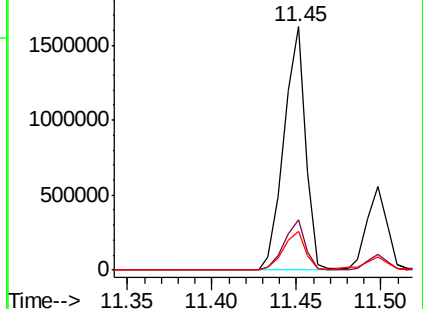
179 16.1 12.8 19.2

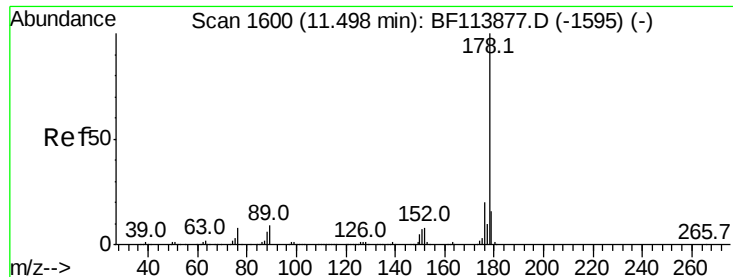


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

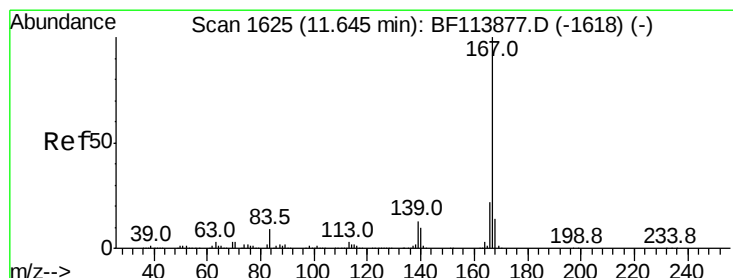
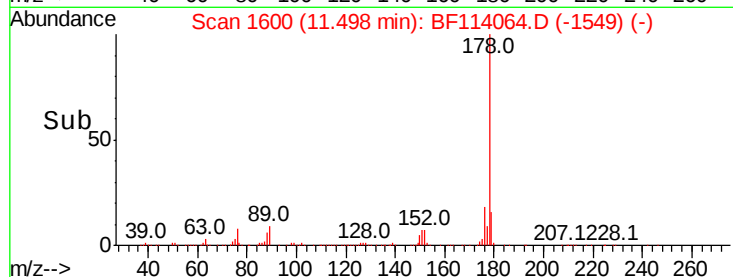
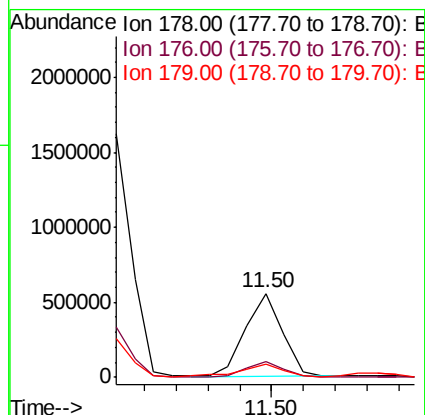
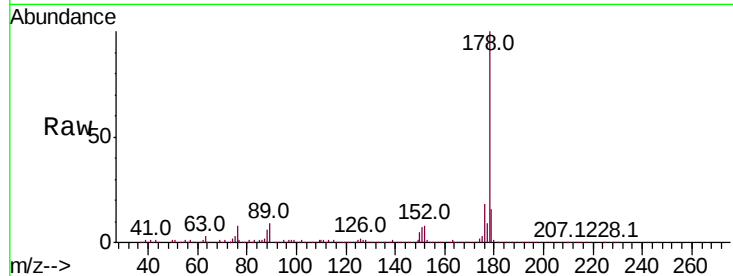




#72
 Anthracene
 Concen: 20.779 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

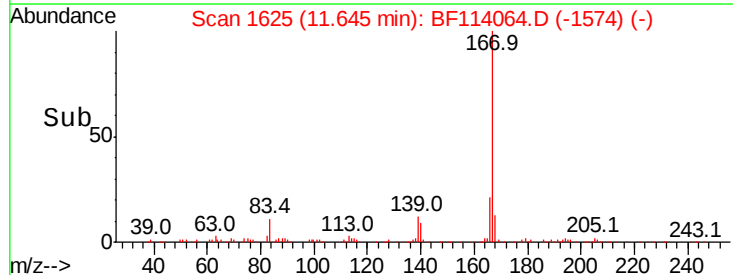
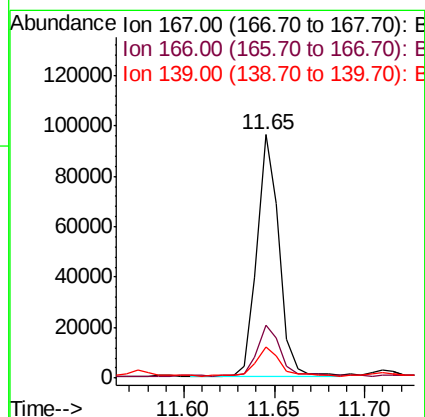
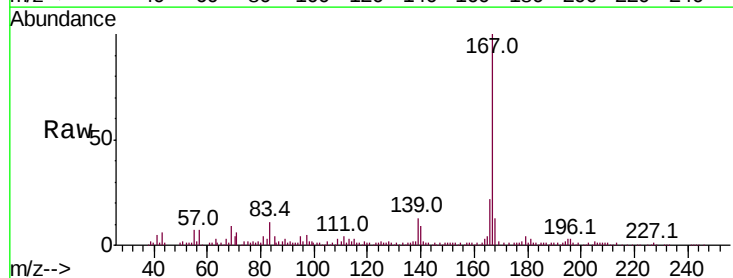
Instrument :
 BNA_F
 ClientSampleId :

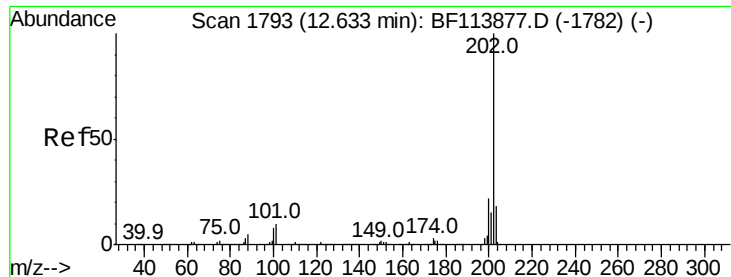
Tot Ion:178 Resp: 449459
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.7 13.0 19.4



#73
 Carbazole
 Concen: 4.199 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

Tgt Ion:167 Resp: 81031
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.7 26.5
 139 13.0 10.0 15.0





#75

Fluoranthene

Concen: 51.939 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

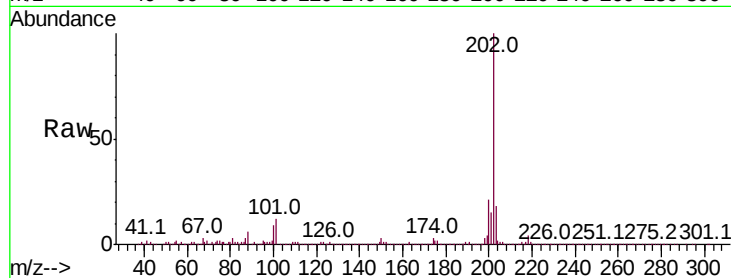
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1213771

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.9
203	18.4	0.0	38.2

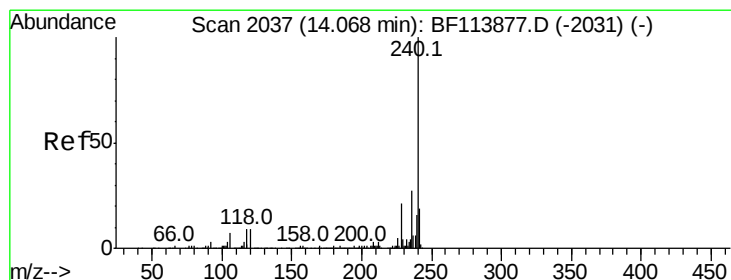
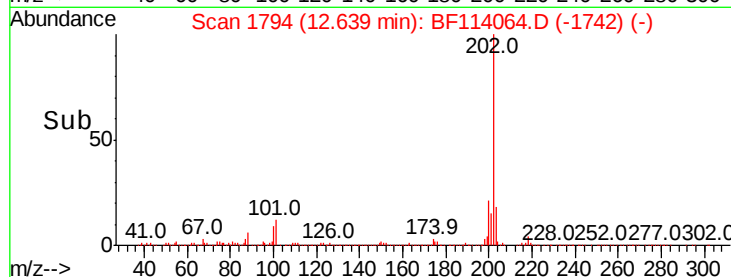
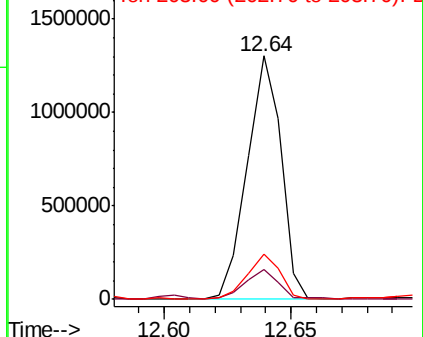


Abundance

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: 14.07 min Scan# 2037

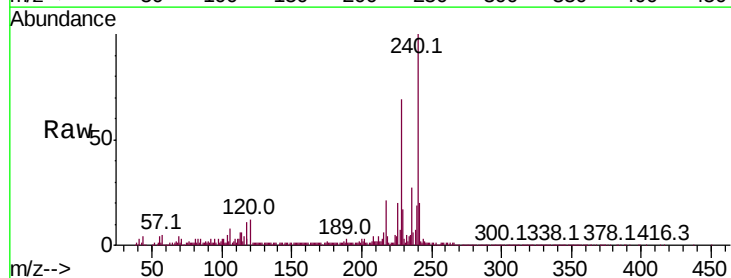
Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Tgt Ion:240 Resp: 350191

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.3	13.9
236	26.8	21.2	31.8

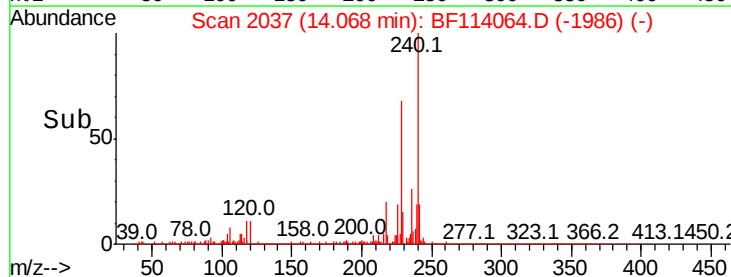
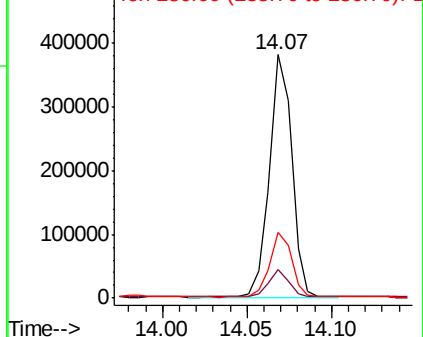


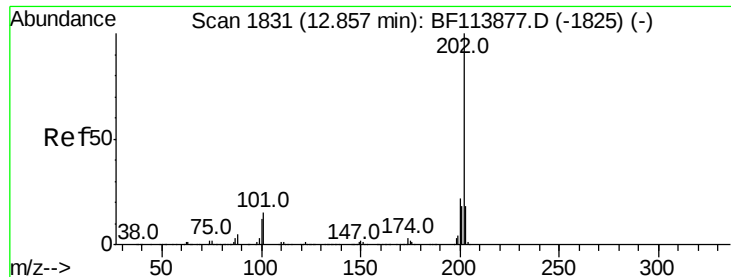
Abundance

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

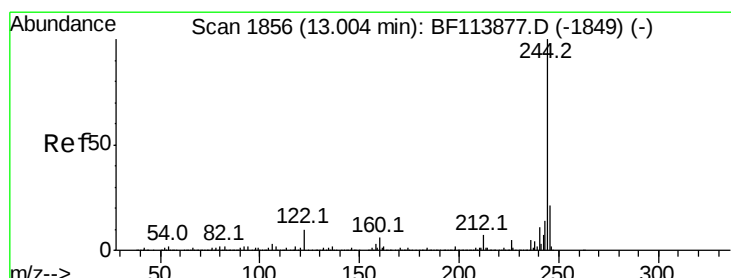
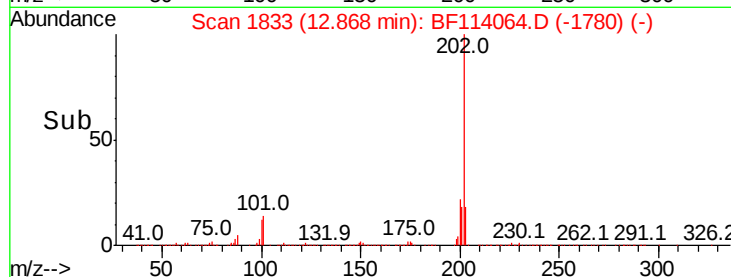
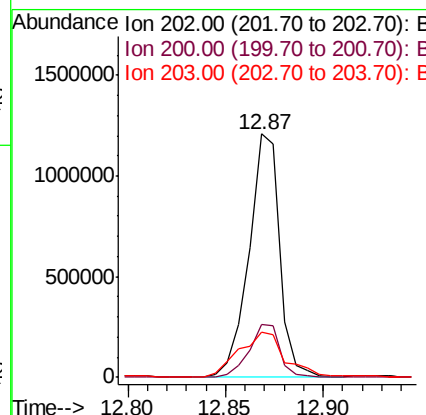
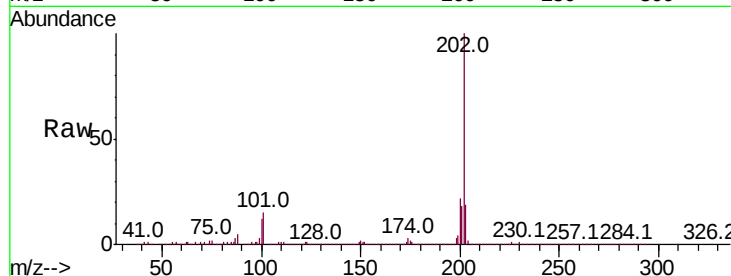




#78
Pvrene
Concen: 53.573 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

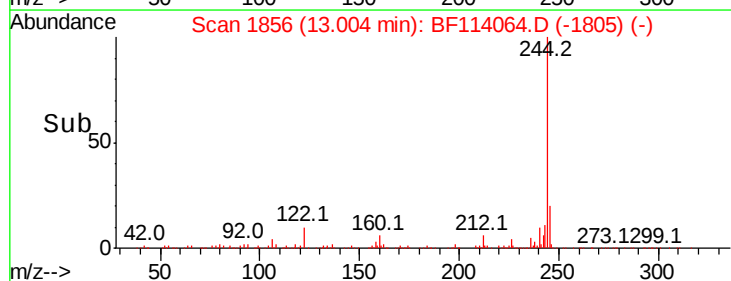
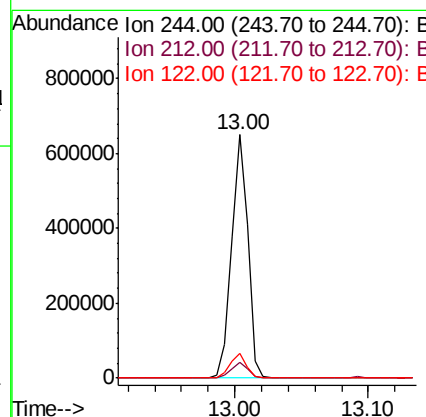
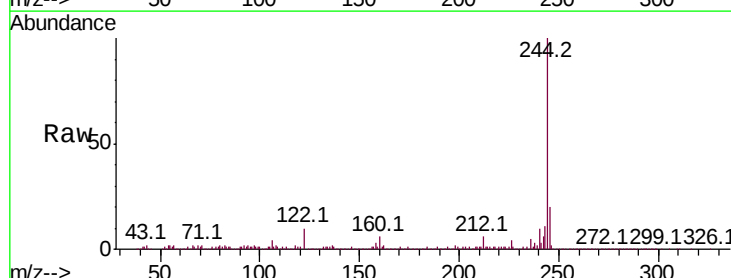
Instrument :
BNA_F
ClientSampleId :

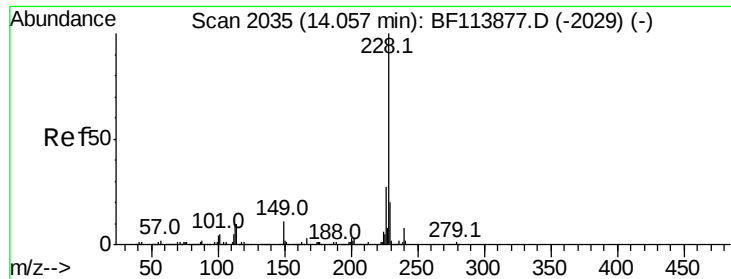
Tot Ion:202 Resp: 1311965
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 18.6 15.0 22.6



#79
Terphenyl-d14
Concen: 32.877 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Tgt Ion:244 Resp: 561578
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.4 7.6 11.4





#81

Benzo(a)anthracene

Concen: 33.421 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

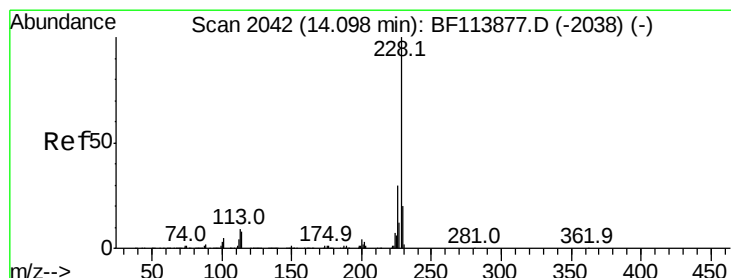
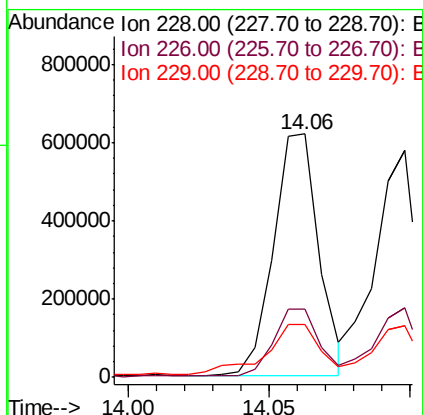
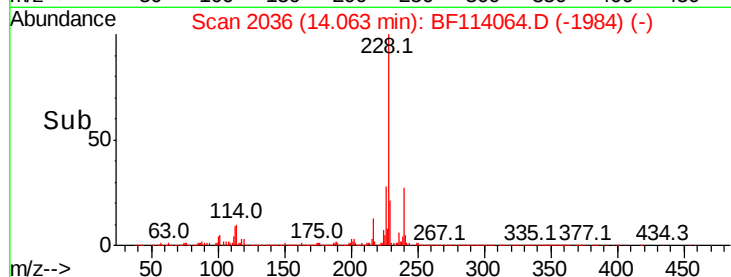
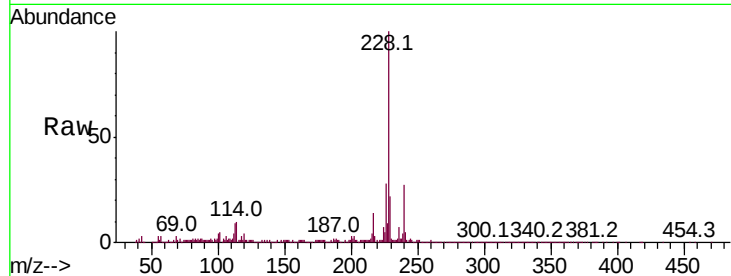
Tot Ion:228 Resp: 689565

Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.2

229 21.8 16.0 24.0



#83

Chrysene

Concen: 29.567 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

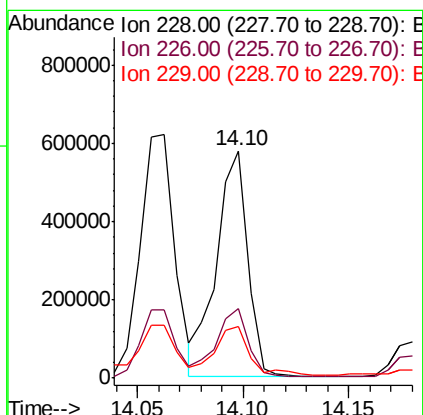
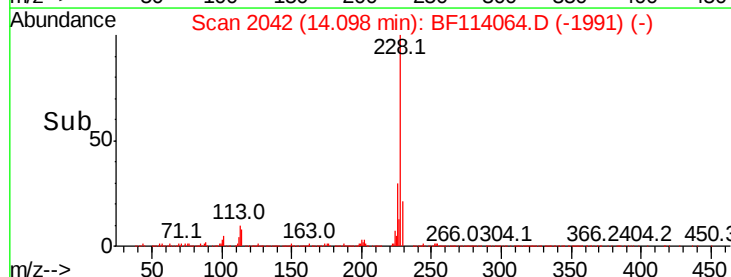
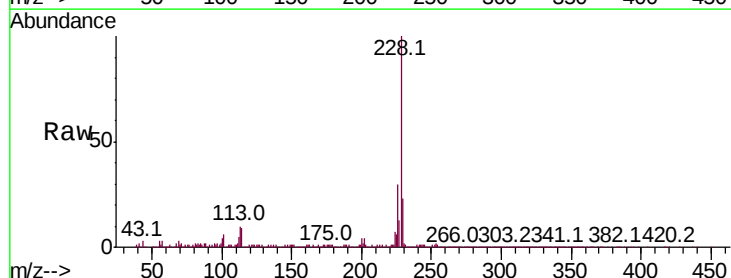
Tgt Ion:228 Resp: 594125

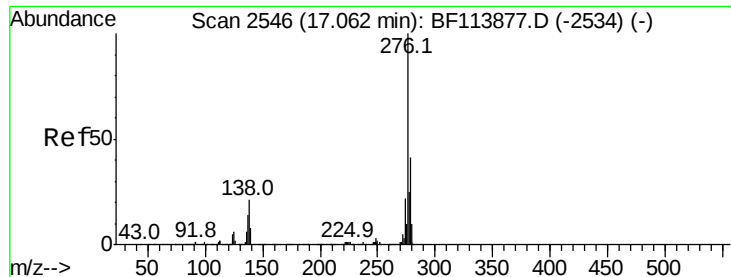
Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

229 23.0 16.7 25.1

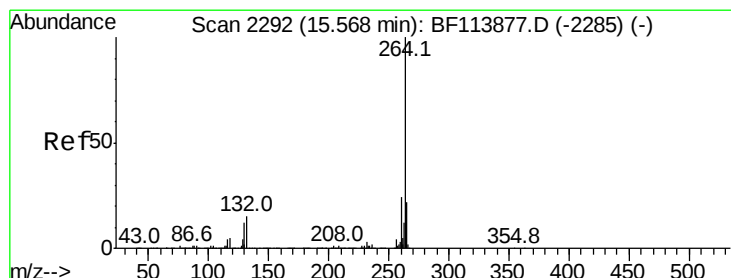
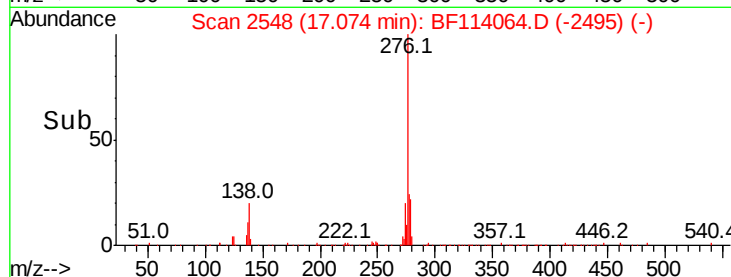
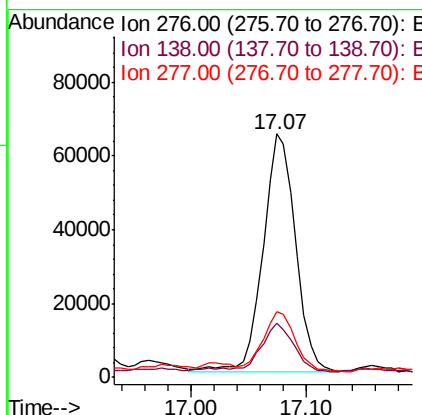
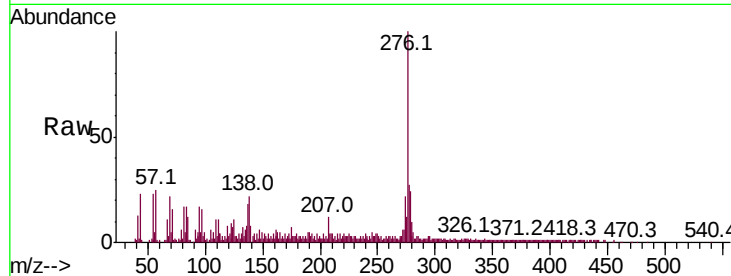




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.607 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. 0.01 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

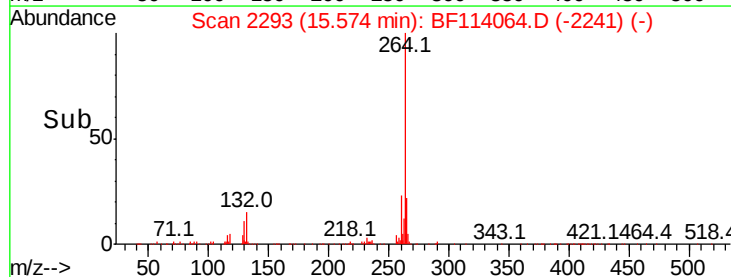
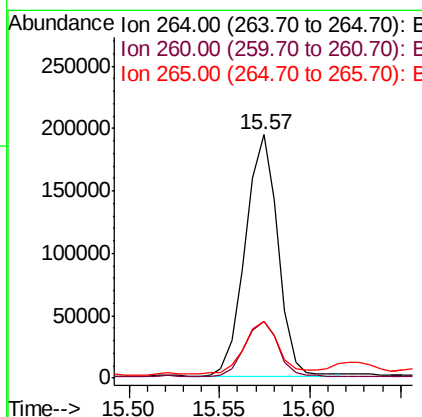
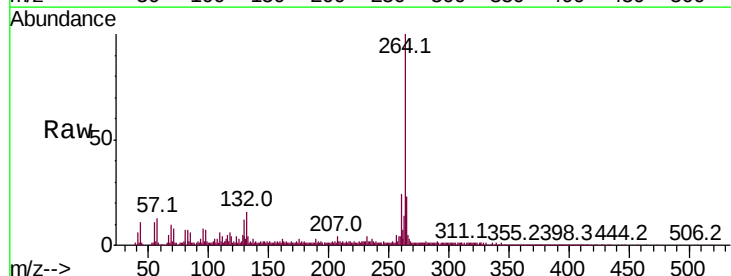
Instrument :
 BNA_F
 ClientSampleId :

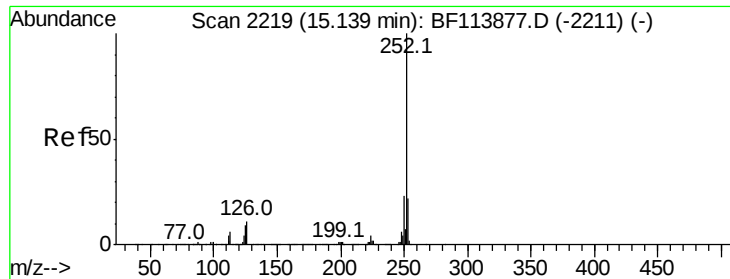
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.6	29.4
277	25.2	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	23.2	17.3	25.9

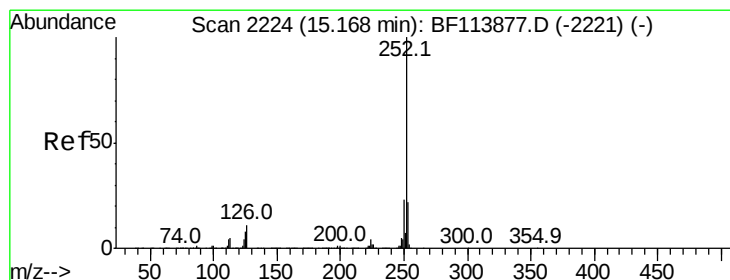
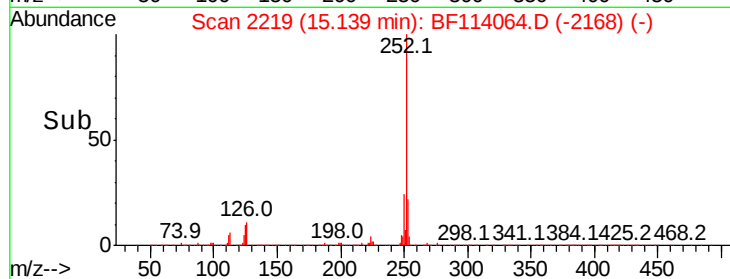
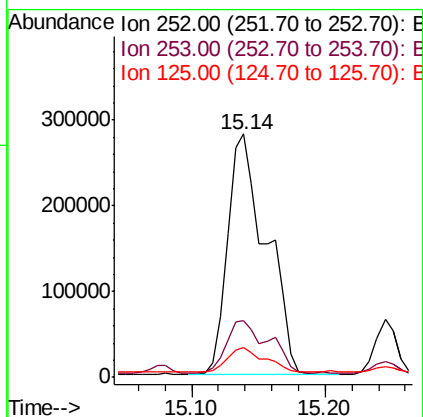
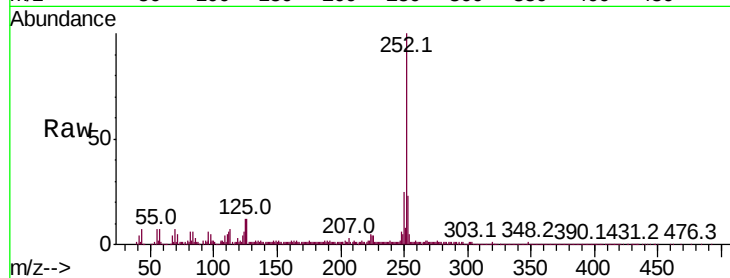




#88
Benzo(b)fluoranthene
Concen: 37.262 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

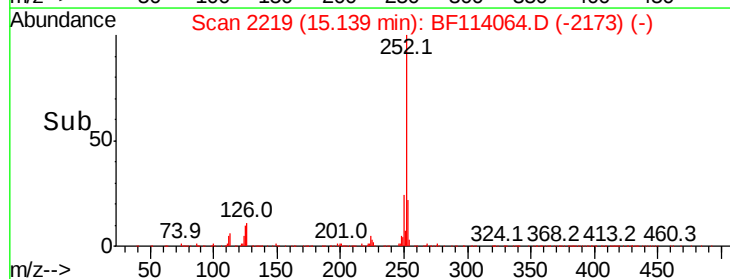
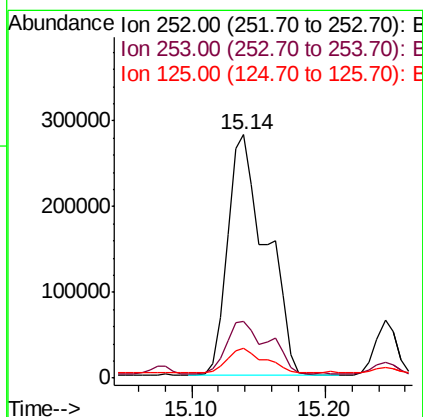
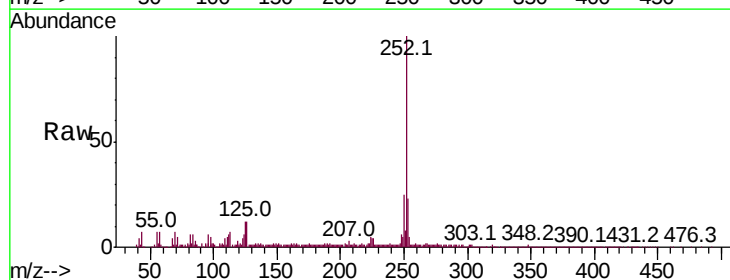
Instrument :
BNA_F
ClientSampleId :

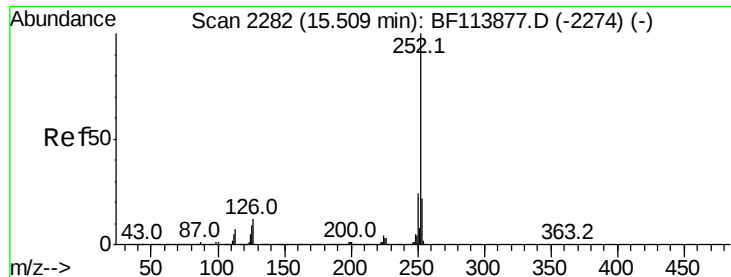
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.2	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 43.319 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF114064.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	12.2	7.4	11.2





#90

Benzo(a)pyrene

Concen: 22.908 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

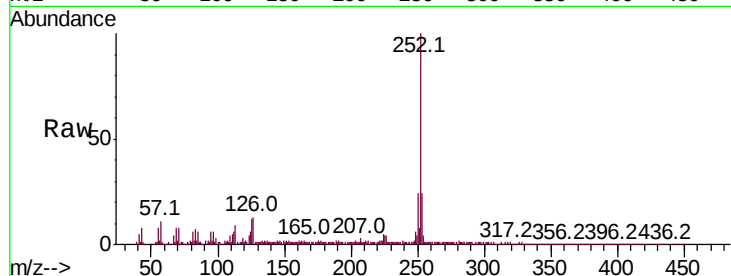
Tot Ion:252 Resp: 301753

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

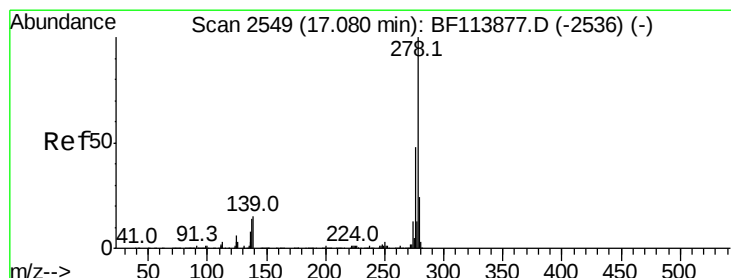
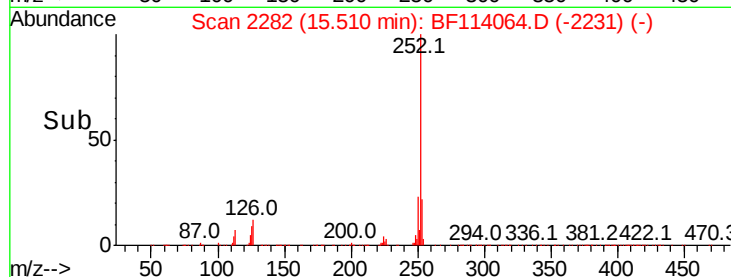
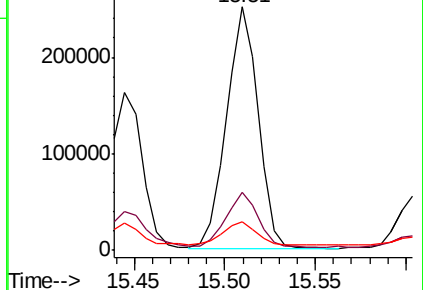
125 11.8 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 3.025 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BF114064.D

Acq: 1 May 2019 13:02

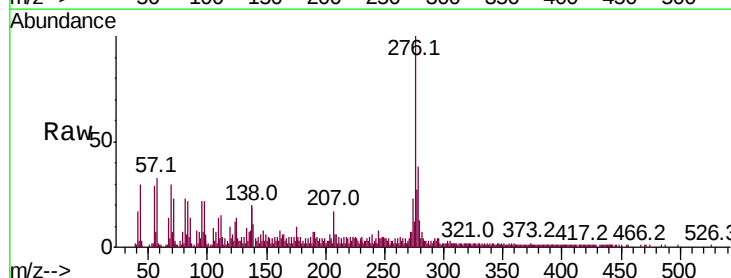
Tgt Ion:278 Resp: 37398

Ion Ratio Lower Upper

278 100

139 28.1 11.6 17.4#

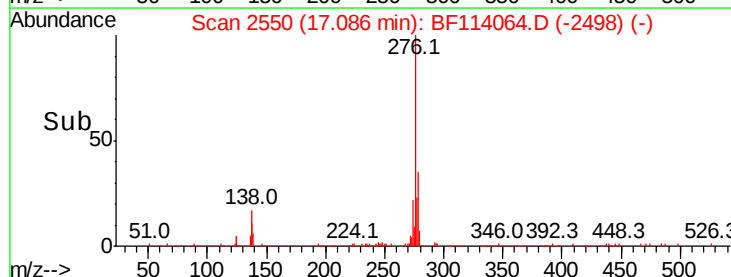
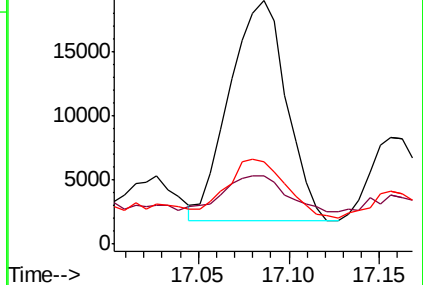
279 33.9 19.0 28.6#

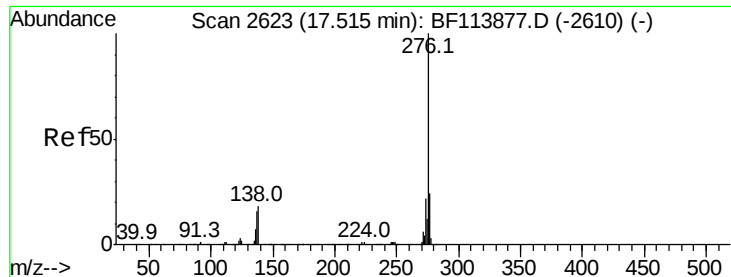


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

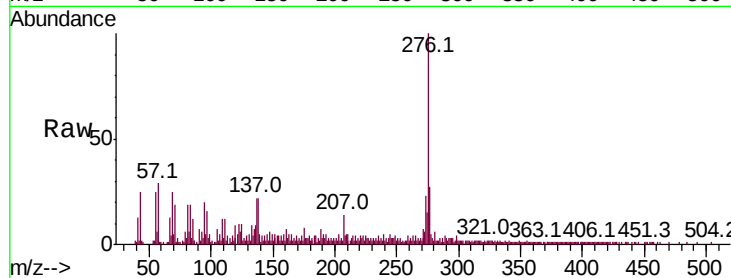




#92
 Benzo(a,h,i)perylene
 Concen: 9.812 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. 0.02 min
 Lab File: BF114064.D
 Acq: 1 May 2019 13:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.0	28.4
138	22.0	16.6	25.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

