

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\
 Data File : BF114033.D
 Acq On : 29 Apr 2019 19:54
 Operator : JU/SJ
 Sample : K2601-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 01:22:48 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	124223	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	464854	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	221363	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	390435	20.00	ng	0.00
76) Chrysene-d12	14.05	240	312140	20.00	ng	-0.02
87) Perylene-d12	15.54	264	308975	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	391842	53.95	ng	0.00
7) Phenol-d6	6.52	99	542573	59.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	311153	41.33	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	173581	64.37	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	675972	47.76	ng	-0.01
79) Terphenyl-d14	13.00	244	829901	54.51	ng	0.00

Target Compounds

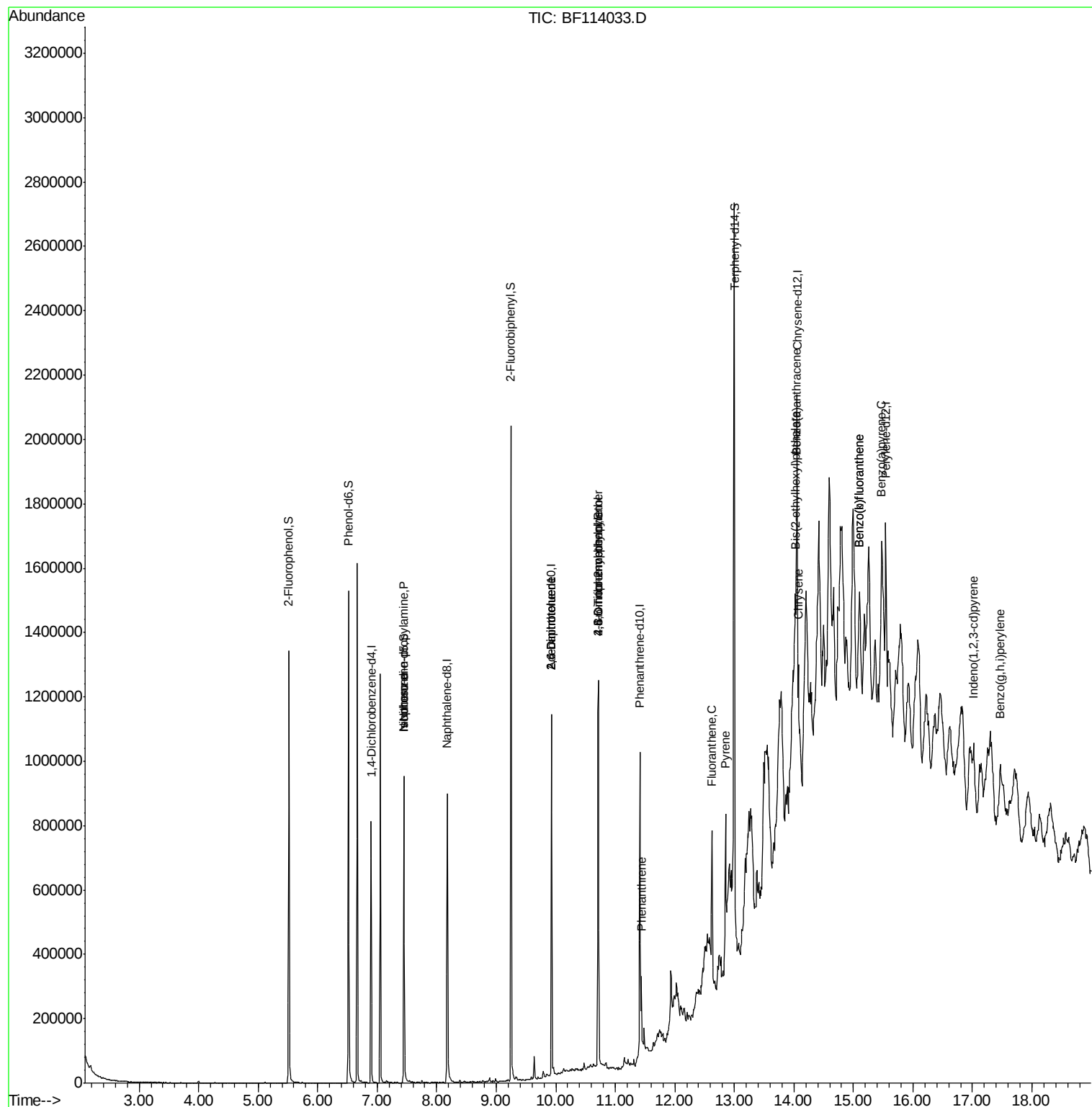
						Qvalue
9) Benzaldehyde	6.52	77	798	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	40859	6.924 ng	#	79
25) Isophorone	7.45	82	311196	20.201 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	29251	8.517 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	29251	6.747 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	109	7.360 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	10933	2.318 ng	#	1
71) Phenanthrene	11.43	178	78933	4.023 ng		98
75) Fluoranthene	12.63	202	178935	8.358 ng		94
78) Pyrene	12.85	202	179664	8.231 ng		99
81) Benzo(a)anthracene	14.04	228	107588	5.850 ng		97
83) Chrysene	14.08	228	96198	5.371 ng		98
84) Bis(2-ethylhexyl)phthalate	14.03	149	34807	3.185 ng		93
86) Indeno(1,2,3-cd)pyrene	17.03	276	40367	2.379 ng		96
88) Benzo(b)fluoranthene	15.11	252	155910	7.975 ng	#	81
89) Benzo(k)fluoranthene	15.11	252	155910	9.272 ng	#	83
90) Benzo(a)pyrene	15.48	252	82852	4.900 ng	#	74
92) Benzo(g,h,i)perylene	17.47	276	37837	2.362 ng	#	89

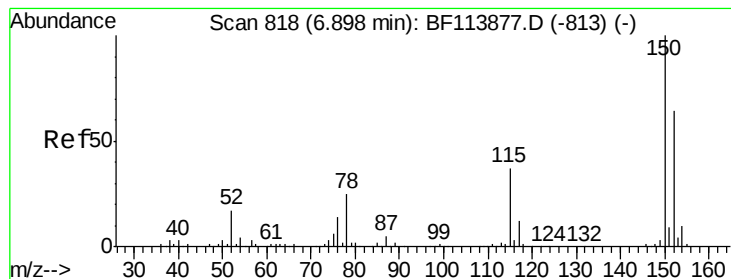
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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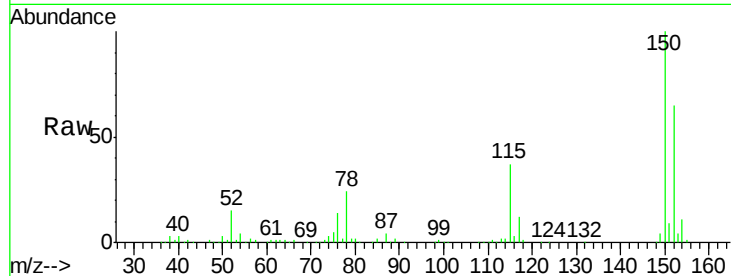


#1

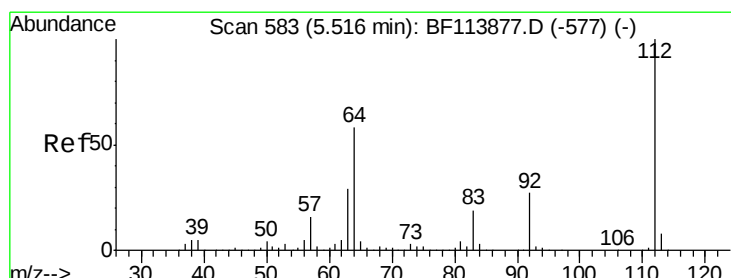
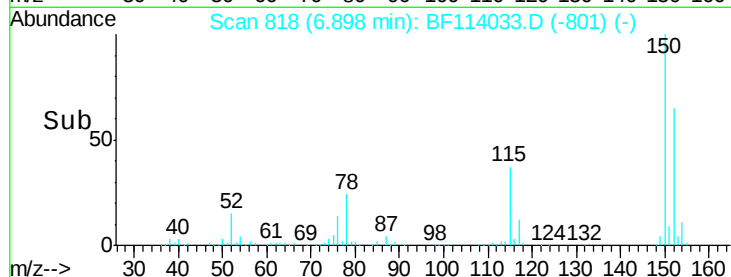
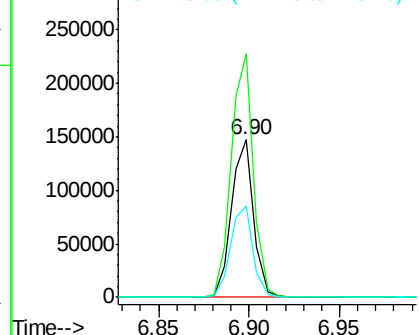
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124223
Ion Ratio Lower Upper
152 100
150 154.5 125.9 188.9
115 57.9 45.9 68.9



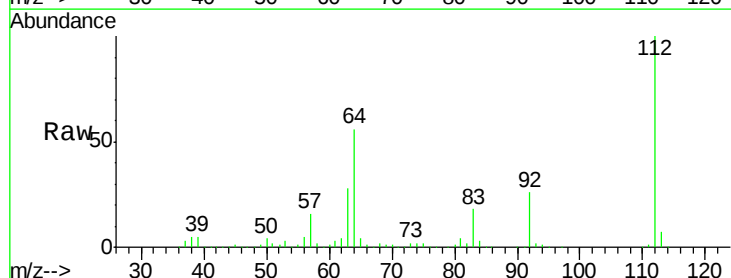
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



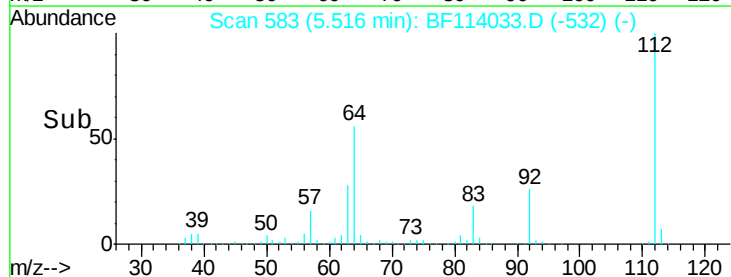
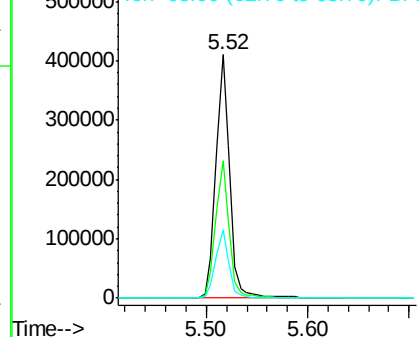
#5

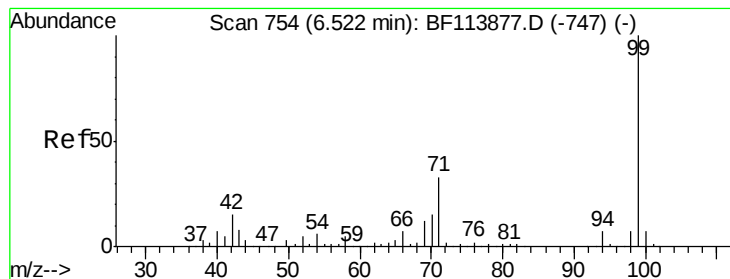
2-Fluorophenol
Concen: 53.950 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion:112 Resp: 391842
Ion Ratio Lower Upper
112 100
64 56.2 46.6 69.8
63 27.9 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: 59.543 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampled :

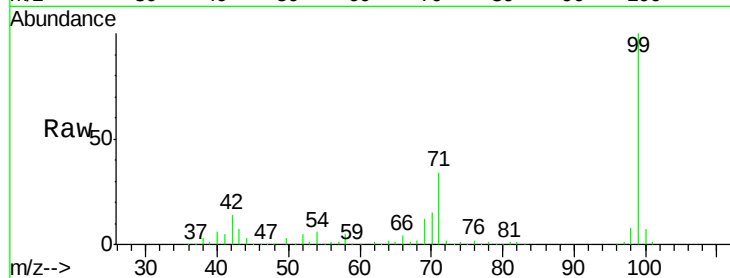
Tot Ion: 99 Resp: 542573

Ion Ratio Lower Upper

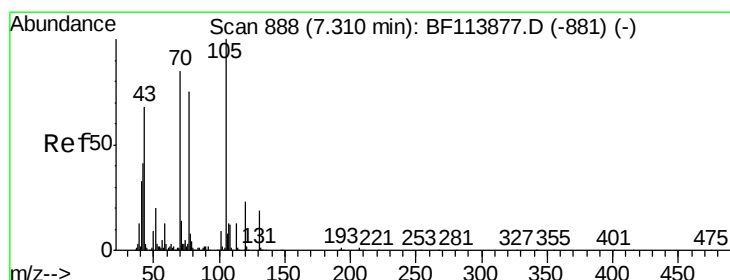
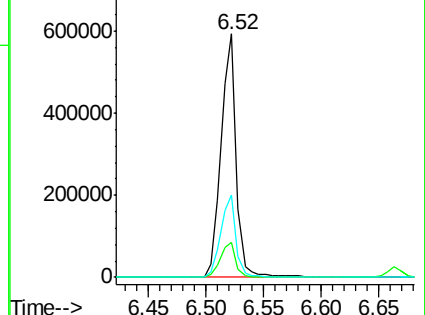
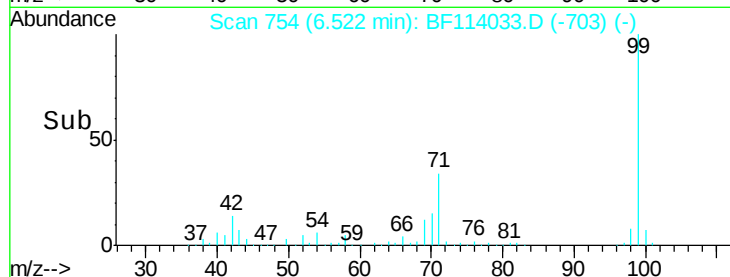
99 100

42 14.5 12.5 18.7

71 33.6 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: 6.924 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion: 70 Resp: 40859

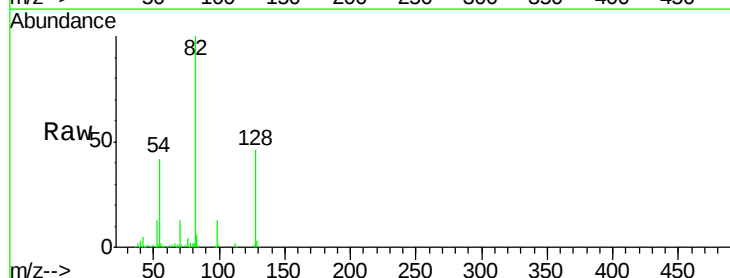
Ion Ratio Lower Upper

70 100

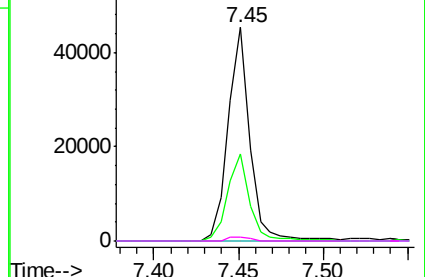
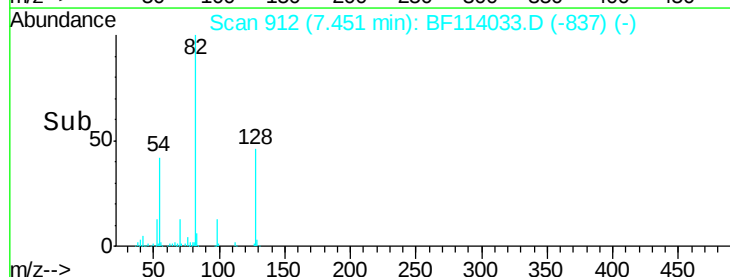
42 40.5 37.3 55.9

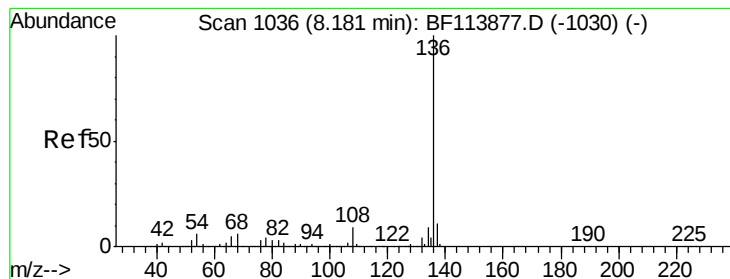
101 0.0 7.8 11.8#

130 2.0 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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 464854

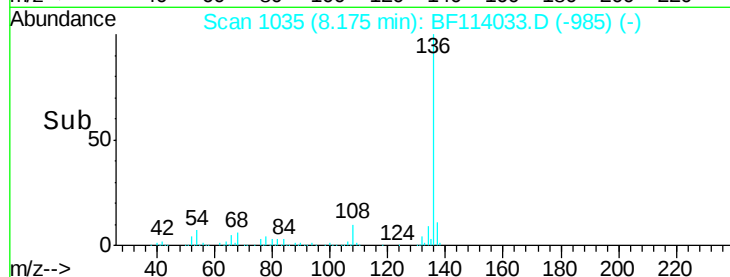
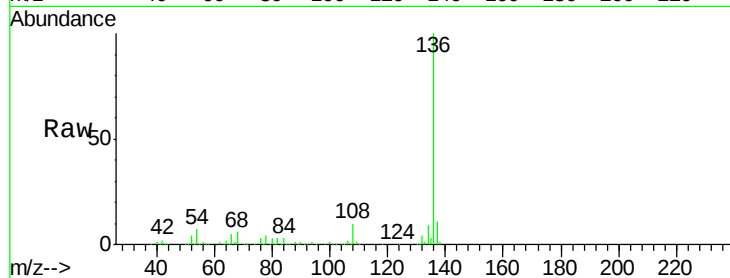
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.7 5.0 7.6

68 6.2 4.9 7.3

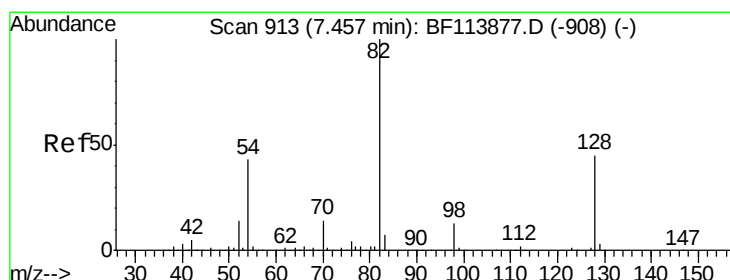
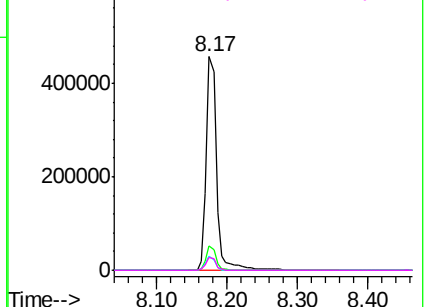


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.329 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

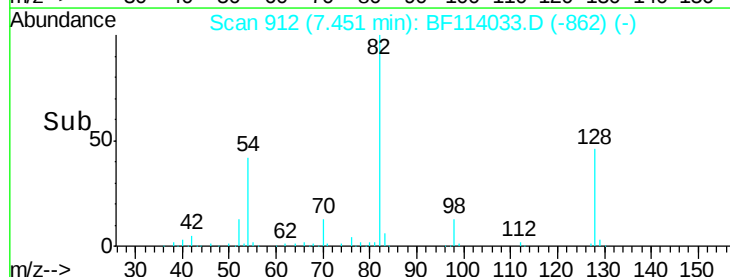
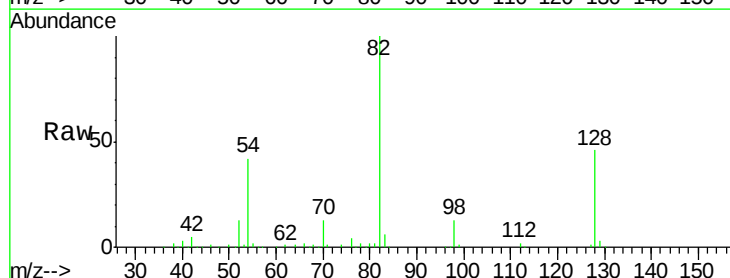
Tgt Ion: 82 Resp: 311153

Ion Ratio Lower Upper

82 100

128 45.6 36.8 55.2

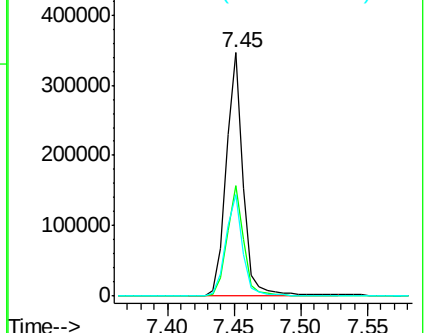
54 41.6 33.8 50.6

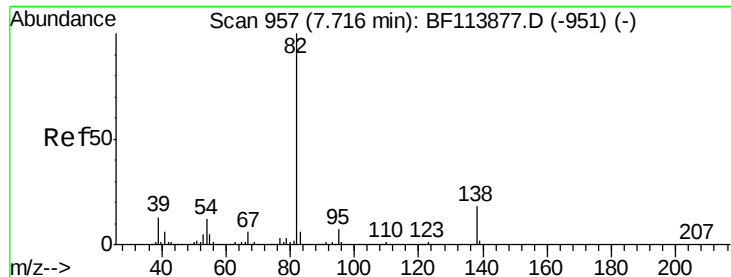


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.201 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampled :

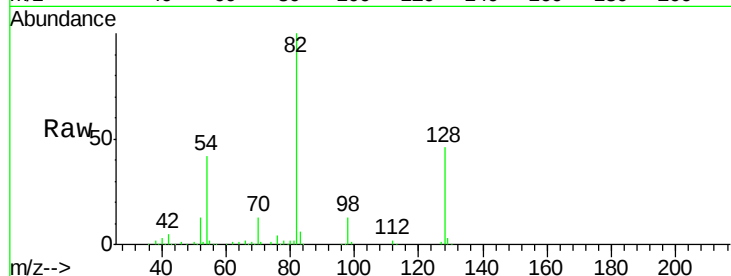
Tot Ion: 82 Resp: 311196

Ion Ratio Lower Upper

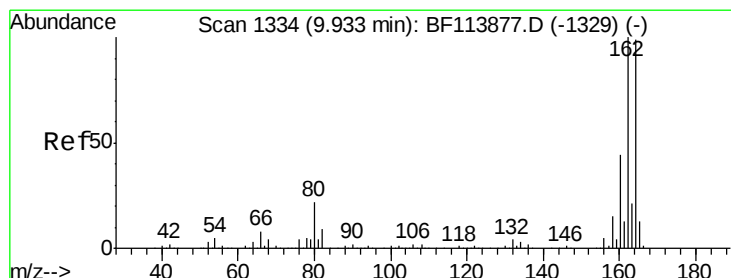
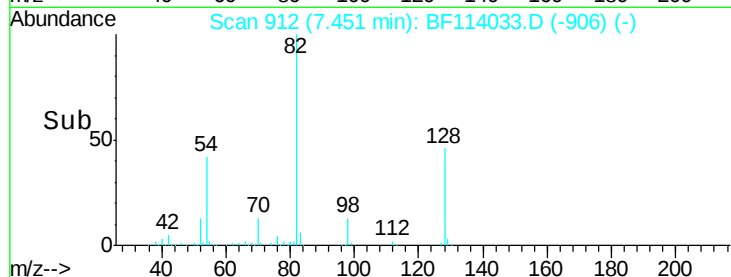
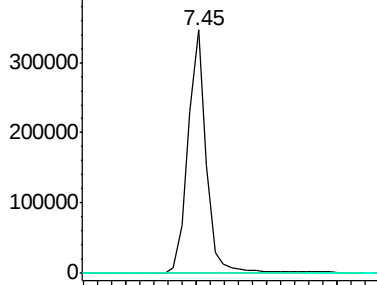
82 100

95 0.0 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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

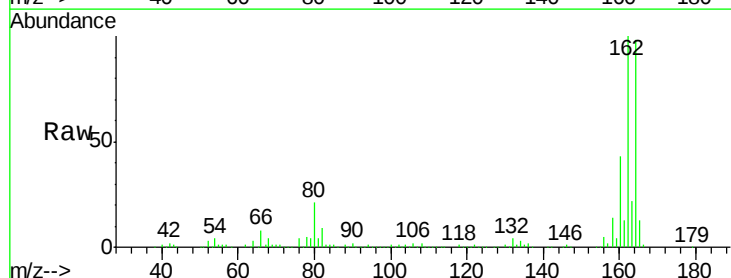
Tgt Ion:164 Resp: 221363

Ion Ratio Lower Upper

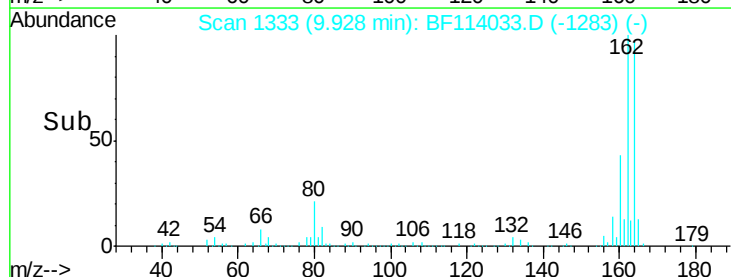
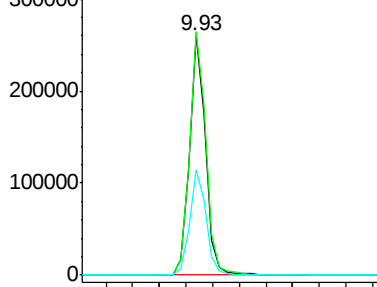
164 100

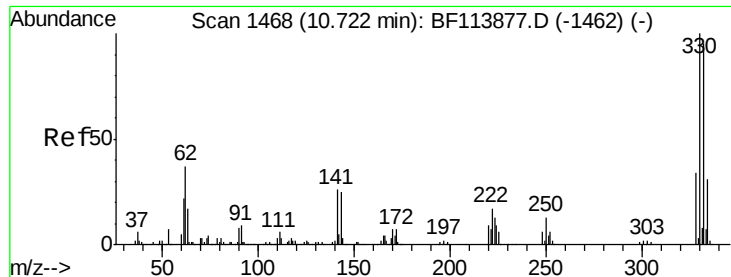
162 101.6 81.1 121.7

160 43.9 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

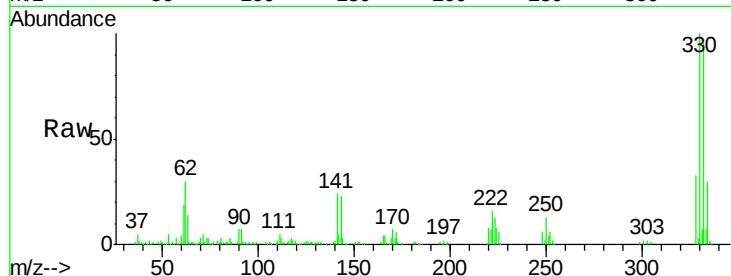




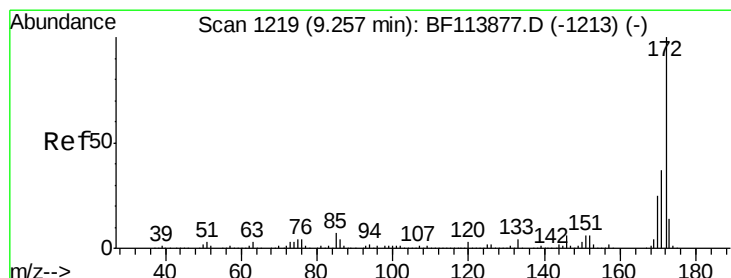
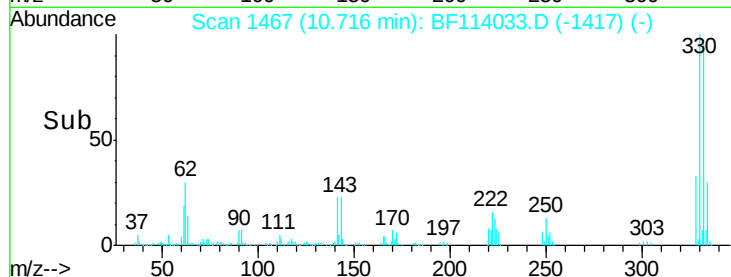
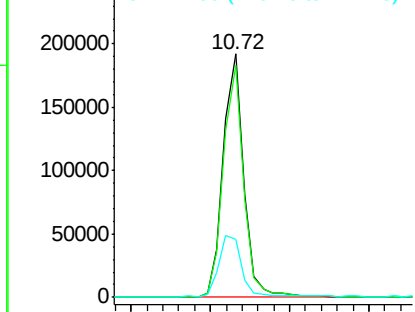
#42
 2,4,6-Tribromophenol
 Concen: 64.369 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 173581
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.5 116.3
 141 27.5 22.2 33.2

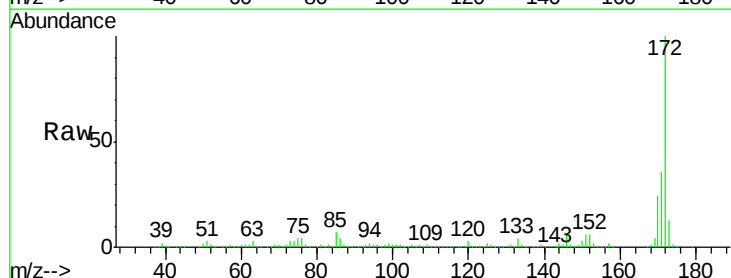


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

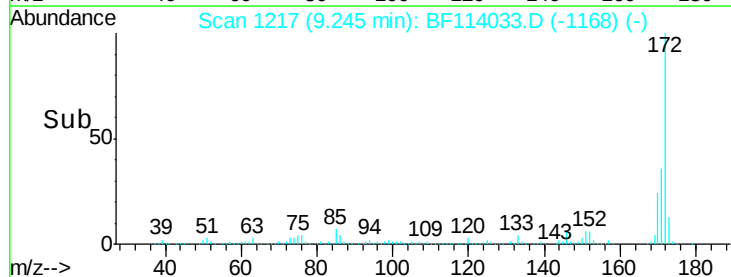
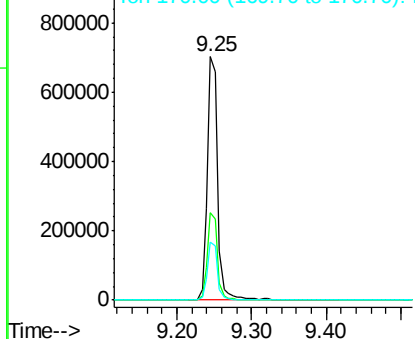


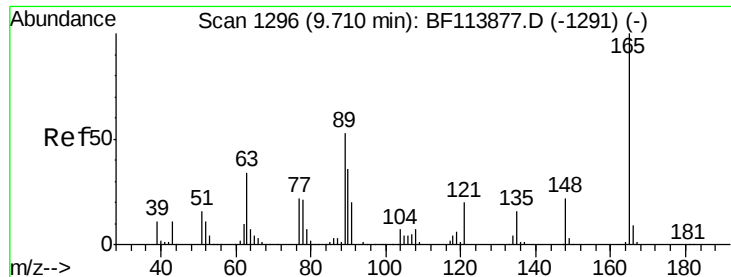
#45
 2-Fluorobiphenyl
 Concen: 47.760 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Tgt Ion:172 Resp: 675972
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.7 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





#51

2,6-Dinitrotoluene

Concen: 8.517 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampleId :

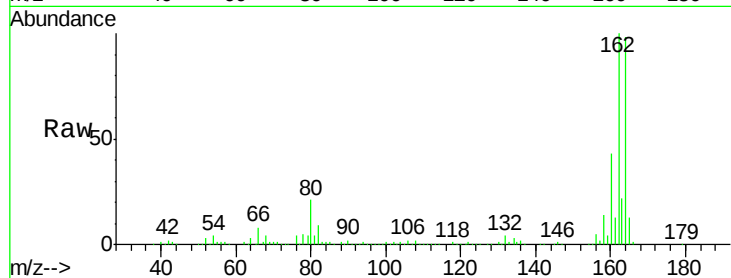
Tot Ion:165 Resp: 29251

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

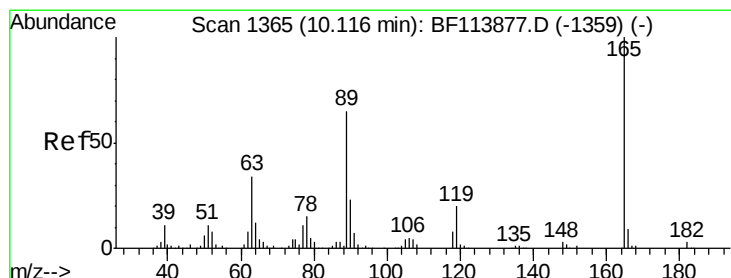
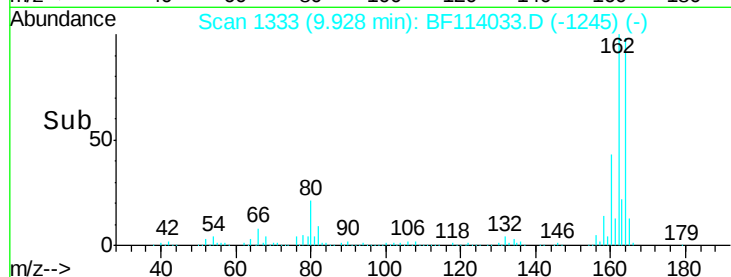
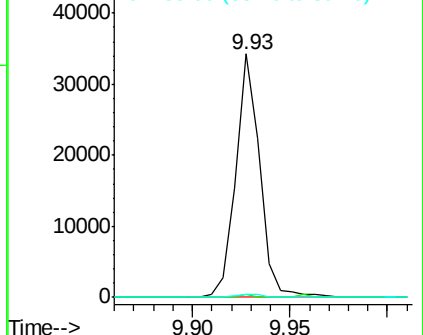
89 1.3 38.2 57.2#



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



#57

2,4-Dinitrotoluene

Concen: 6.747 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion:165 Resp: 29251

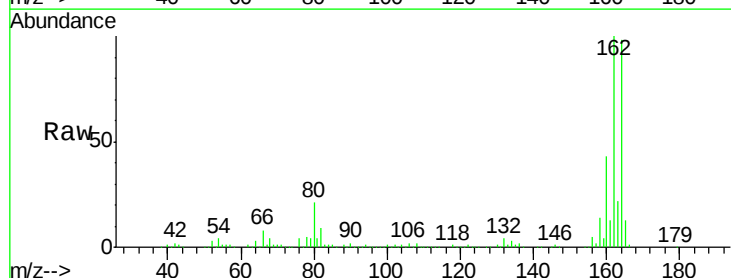
Ion Ratio Lower Upper

165 100

63 1.3 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

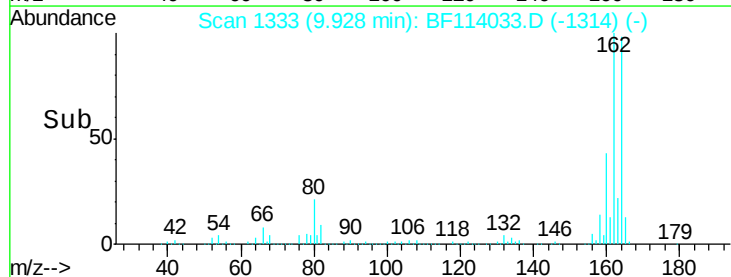
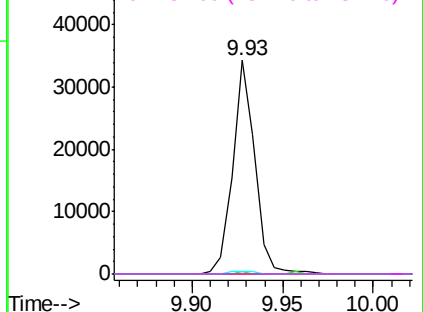


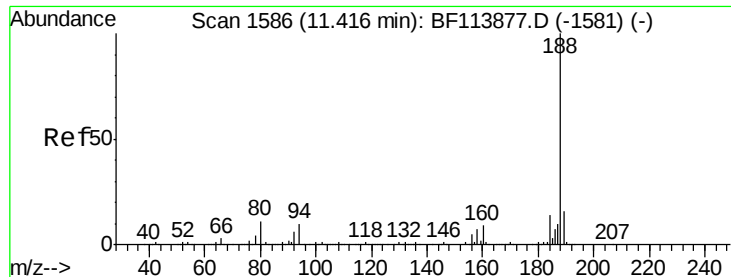
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampled :

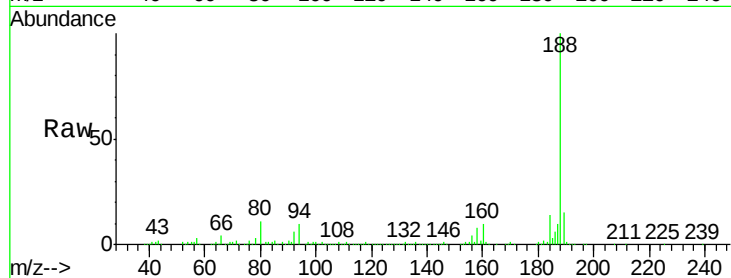
Tot Ion:188 Resp: 390435

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

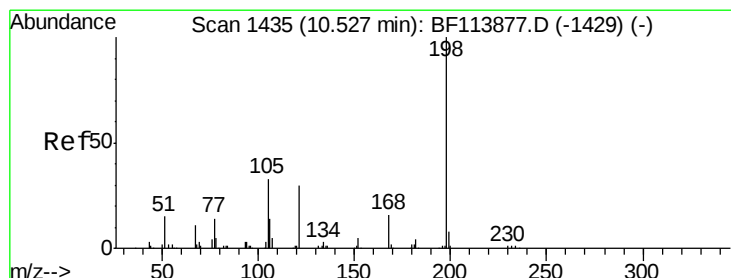
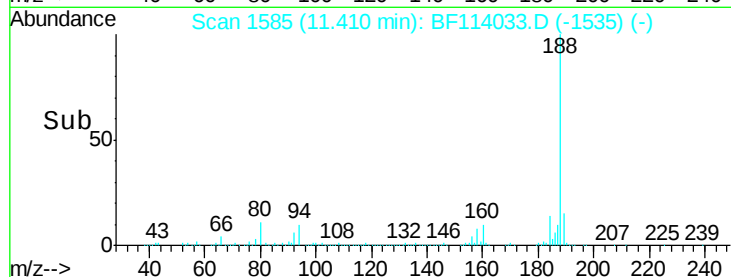
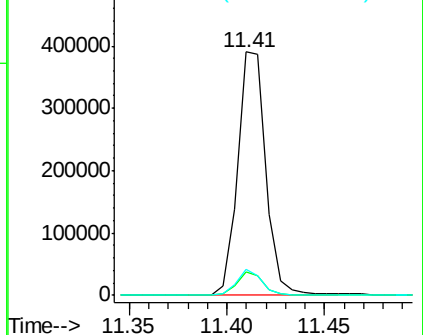
80 10.9 9.0 13.6



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: 7.360 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

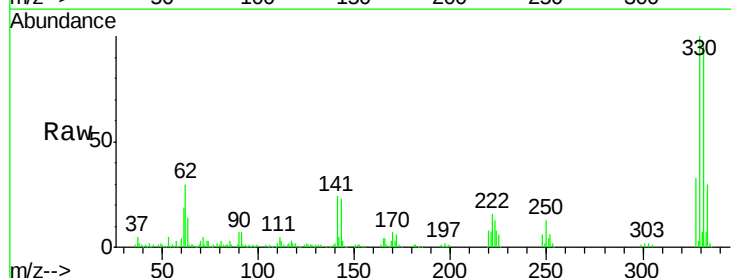
Tgt Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 209.7 11.1 51.1#

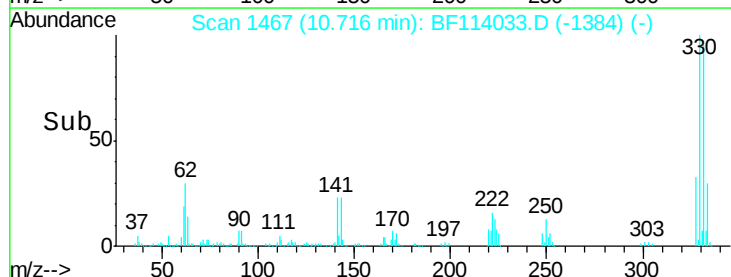
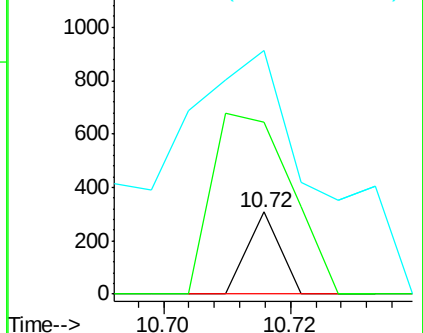
105 296.1 20.7 60.7#

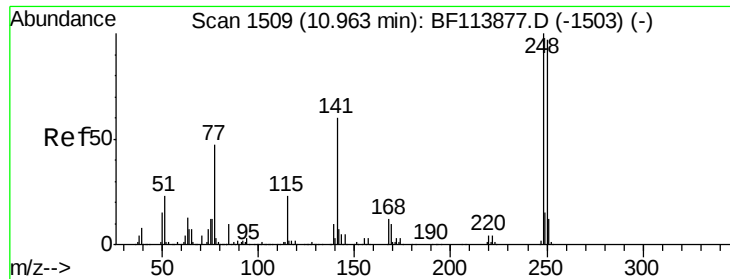


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

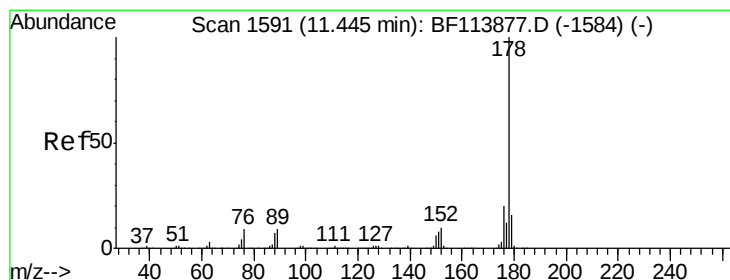
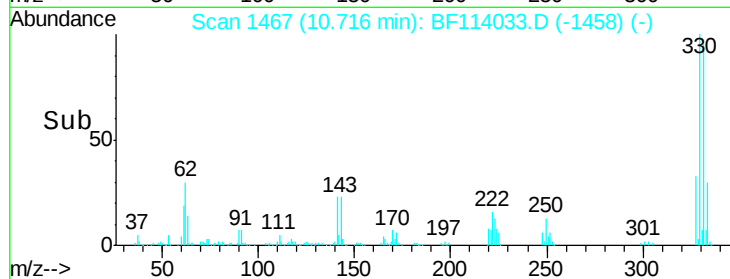
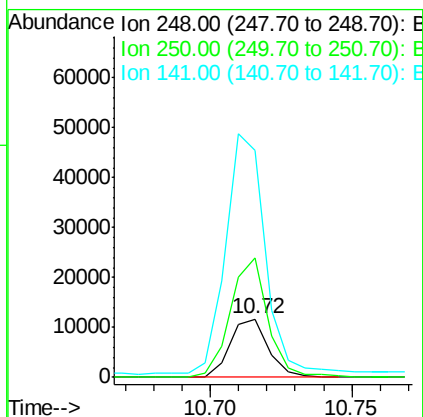
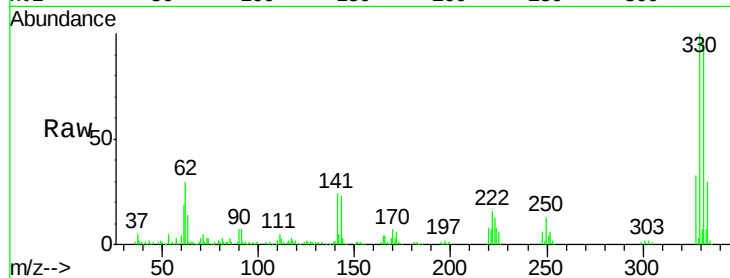




#67
 4-Bromophenyl-phenylether
 Concen: 2.318 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

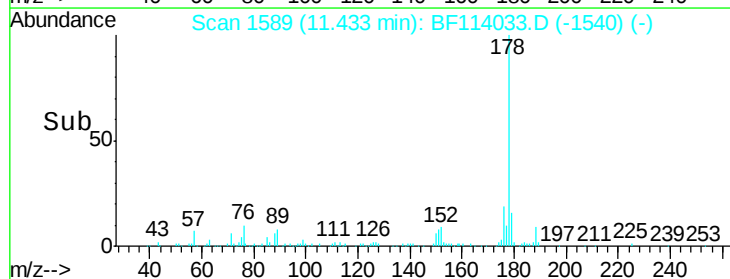
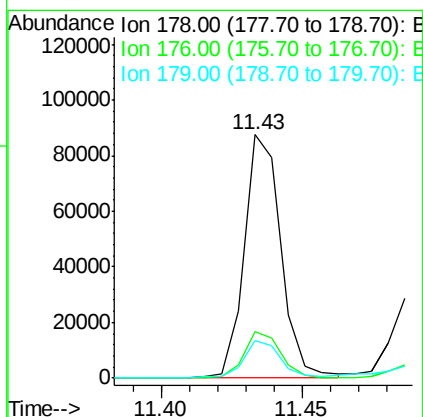
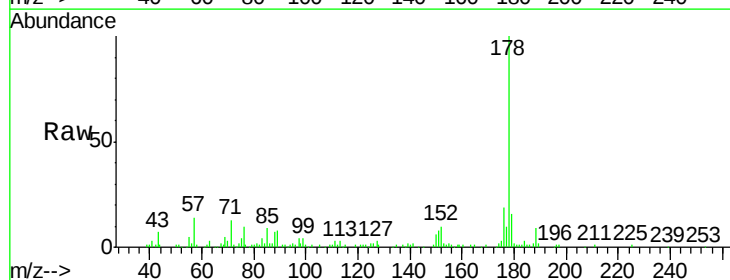
Instrument :
 BNA_F
 ClientSampleId :

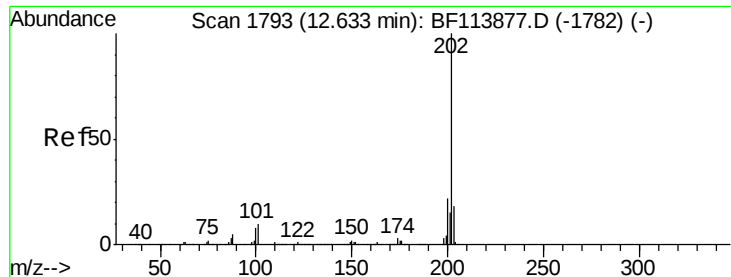
Tot Ion:248 Resp: 10933
 Ion Ratio Lower Upper
 248 100
 250 206.0 75.8 113.6#
 141 390.3 50.2 75.4#



#71
 Phenanthrene
 Concen: 4.023 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Tgt Ion:178 Resp: 78933
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.1 24.1
 179 15.6 12.8 19.2





#75

Fluoranthene

Concen: 8.358 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampleId :

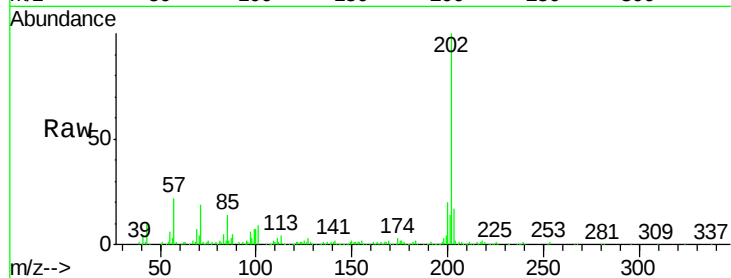
Tot Ion:202 Resp: 178935

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.9

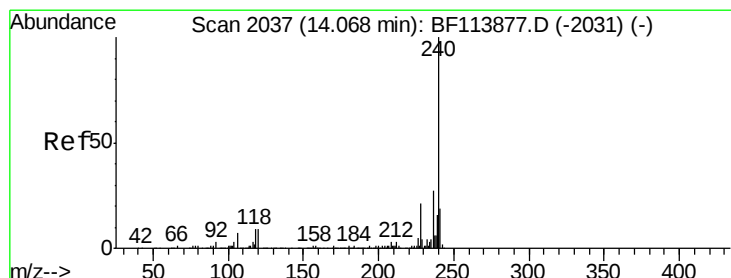
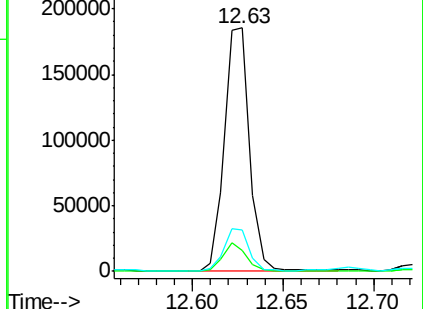
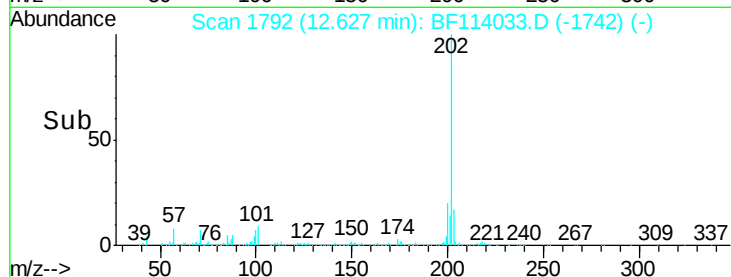
203 16.9 0.0 38.2



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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

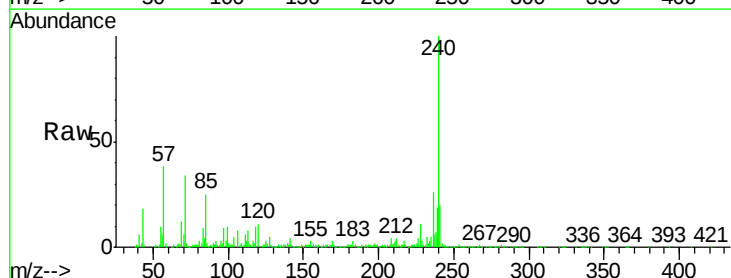
Tgt Ion:240 Resp: 312140

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

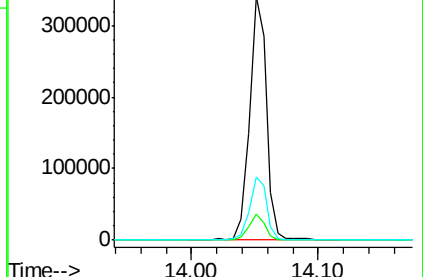
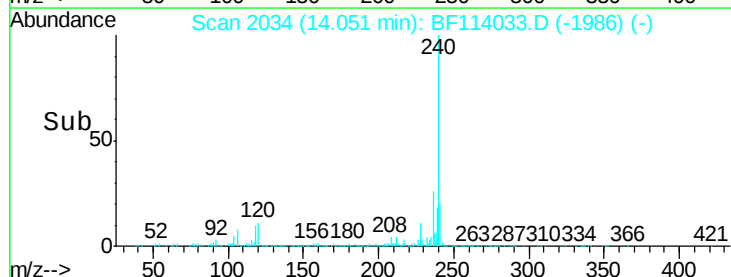
236 25.9 21.2 31.8

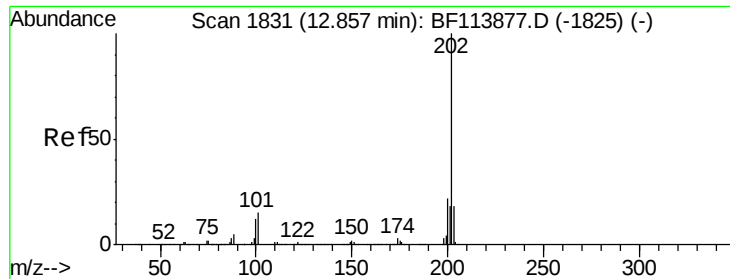


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

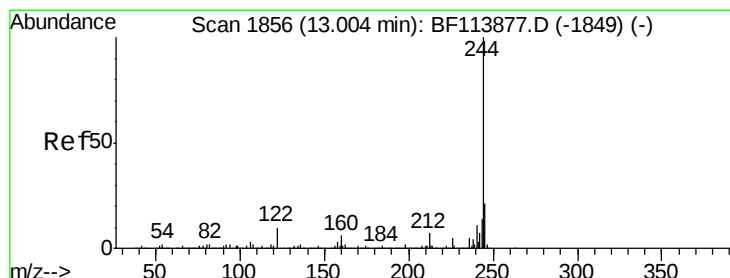
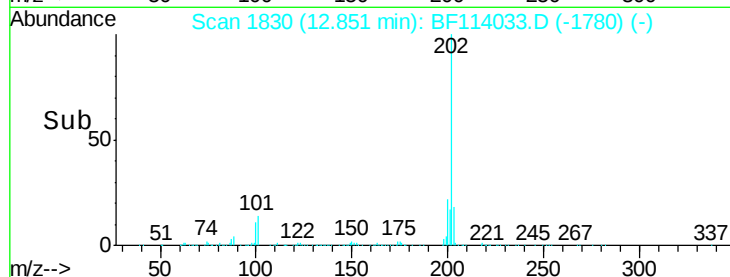
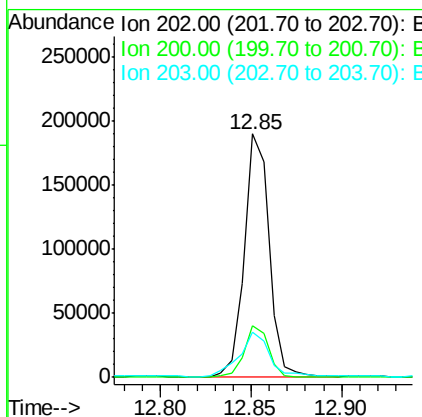
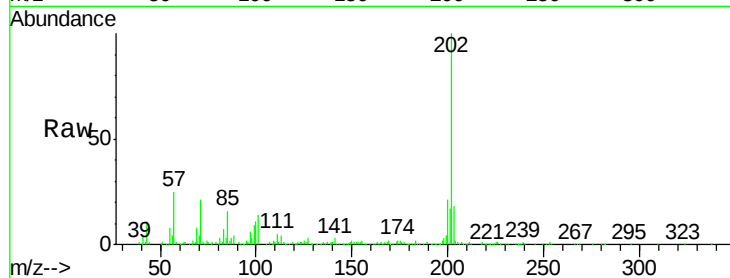




#78
Pvrene
Concen: 8.231 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

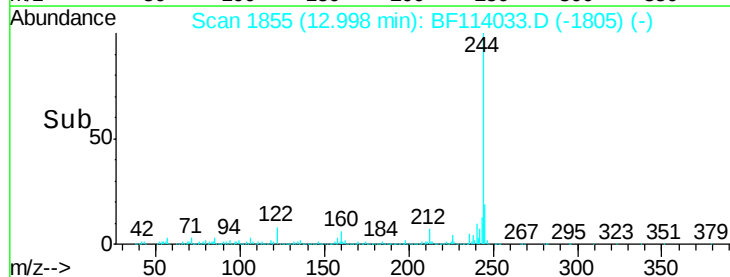
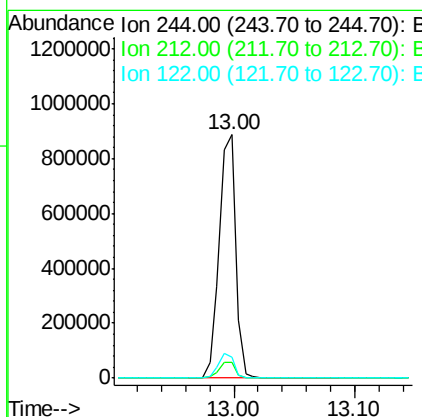
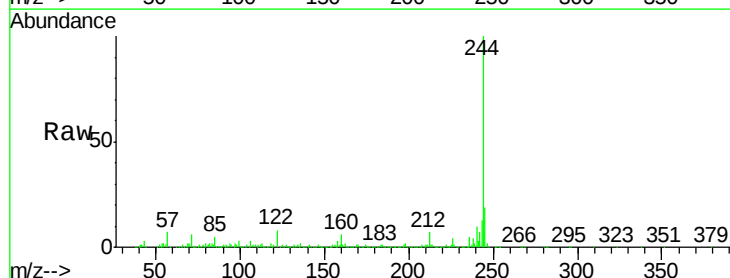
Instrument :
BNA_F
ClientSampleId :

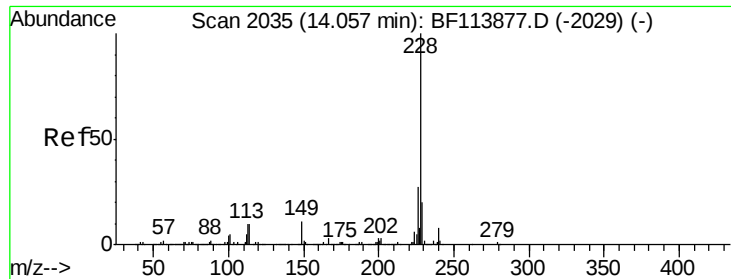
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.4	15.0	22.6



#79
Terphenyl-d14
Concen: 54.508 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	8.4	7.6	11.4

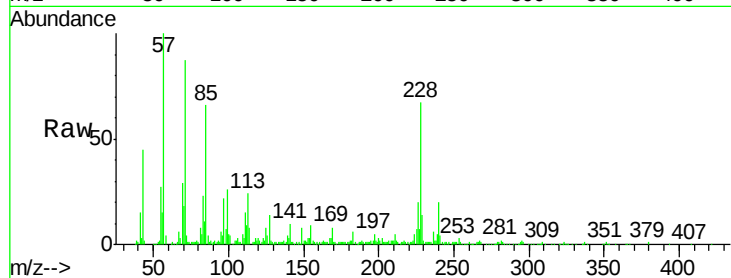




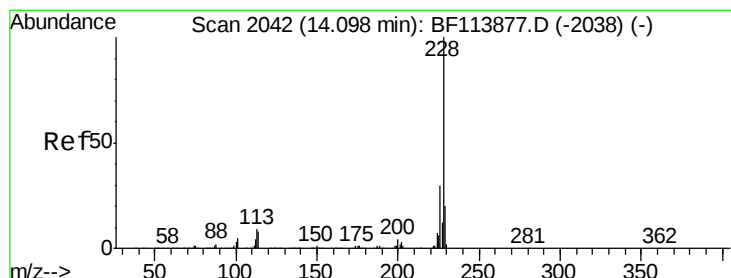
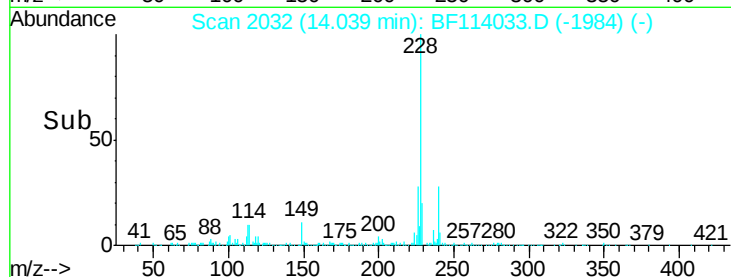
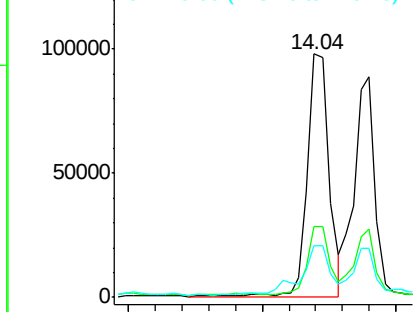
#81
Benzo(a)anthracene
Concen: 5.850 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.2	33.2
229	21.0	16.0	24.0

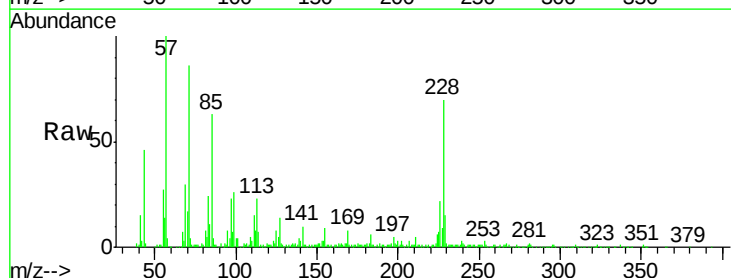


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

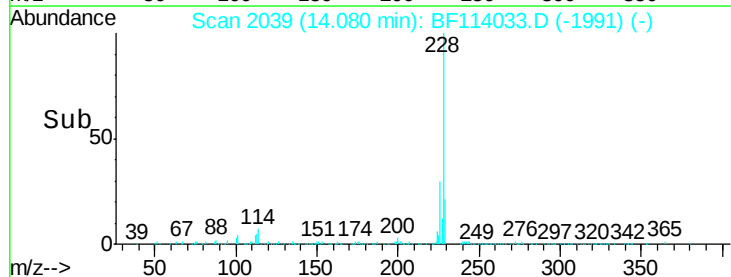
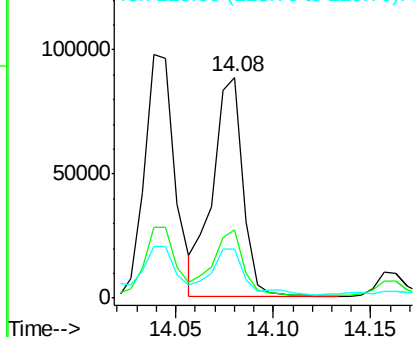


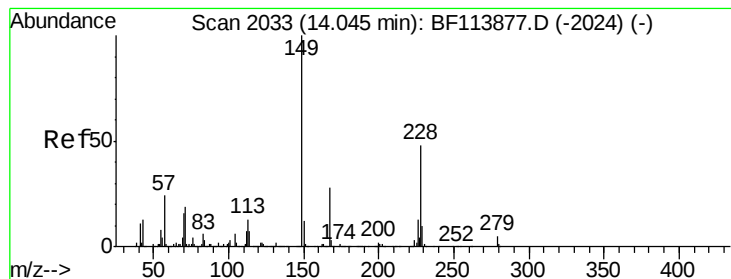
#83
Chrysene
Concen: 5.371 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	22.1	16.7	25.1



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.185 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

ClientSampleId :

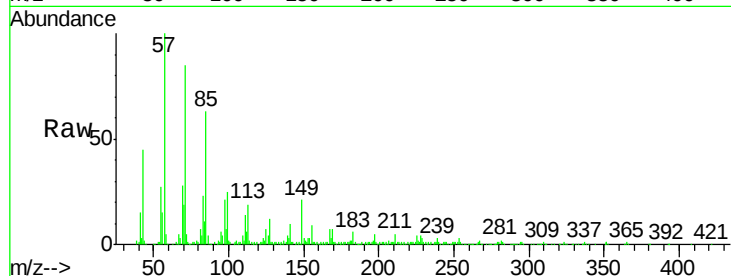
Tot Ion:149 Resp: 34807

Ion Ratio Lower Upper

149 100

167 33.1 22.9 34.3

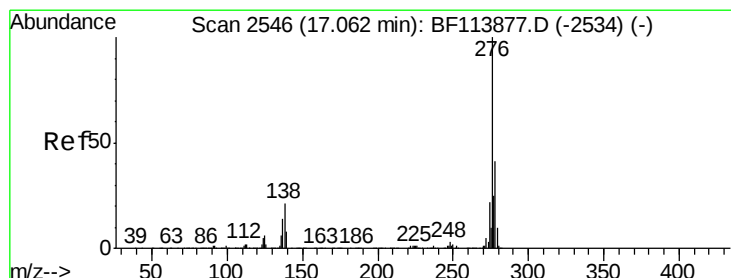
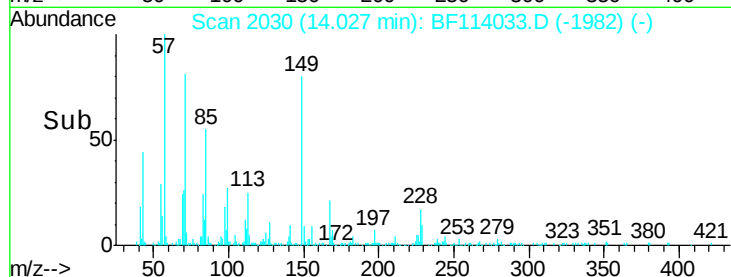
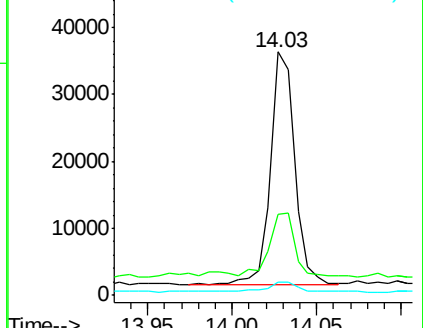
279 5.5 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.379 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.04 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

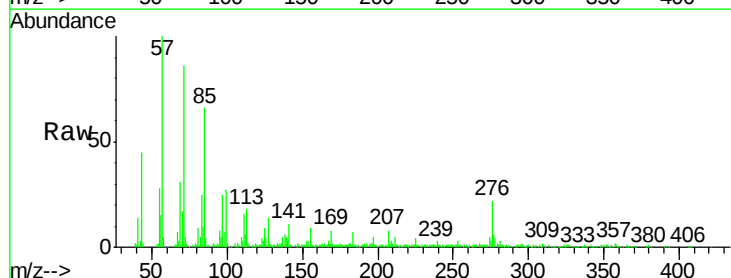
Tgt Ion:276 Resp: 40367

Ion Ratio Lower Upper

276 100

138 21.8 19.6 29.4

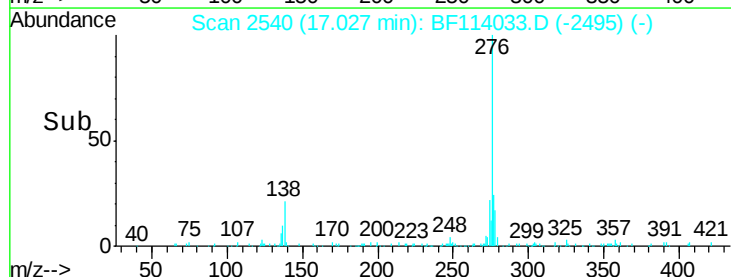
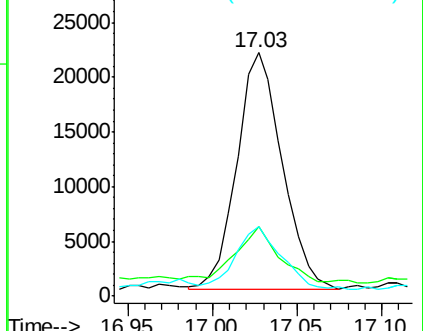
277 27.0 20.2 30.4

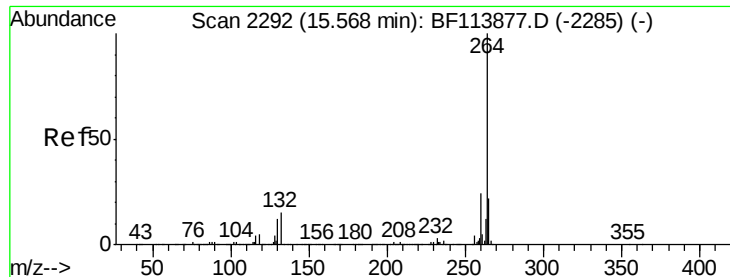


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

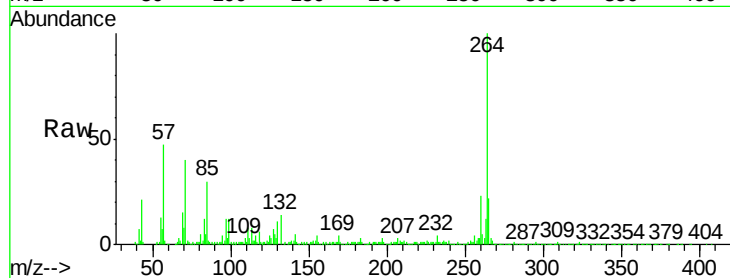
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 308975

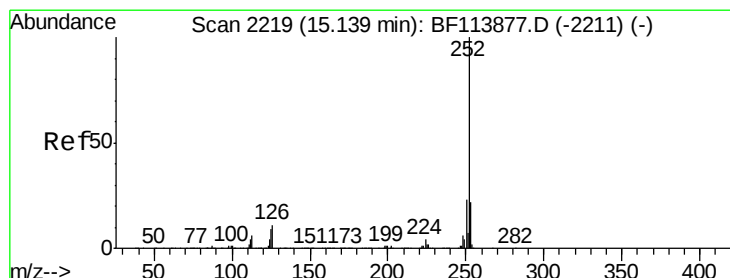
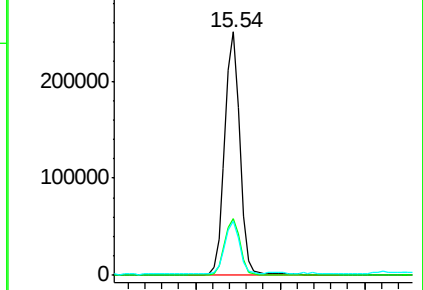
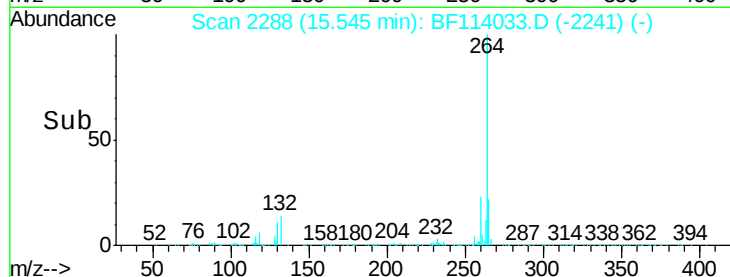
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.1	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.975 ng

RT: 15.11 min Scan# 2214

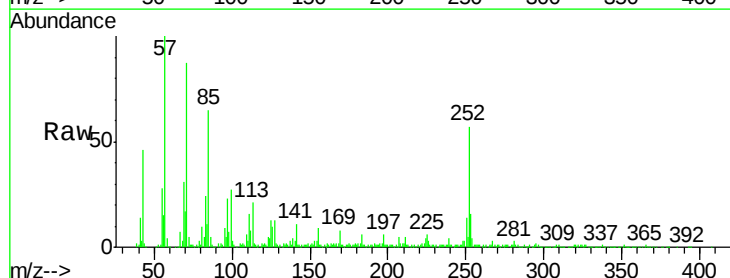
Delta R.T. -0.03 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion:252 Resp: 155910

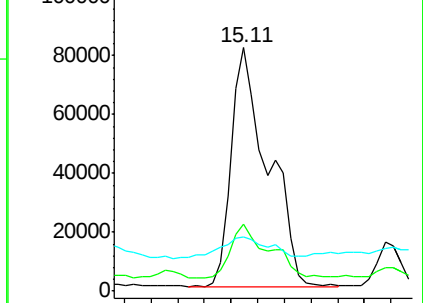
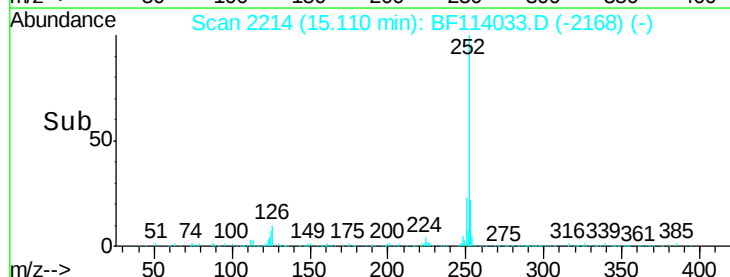
Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.8	26.6#
125	22.3	7.0	10.6#

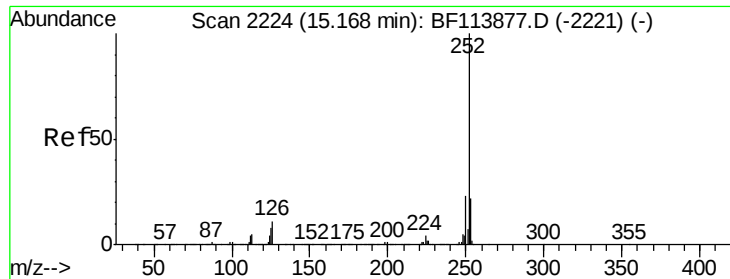


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

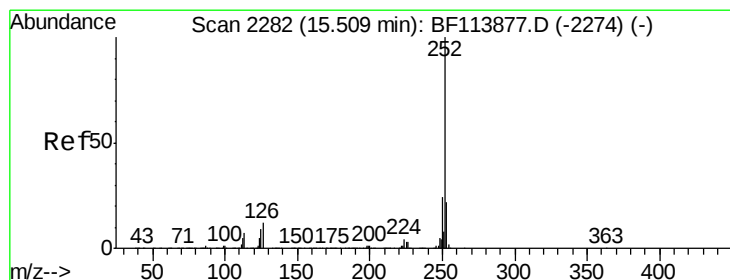
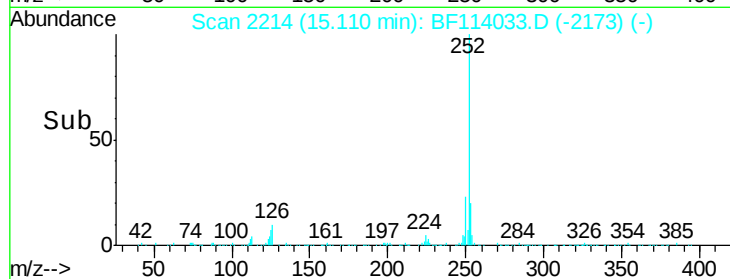
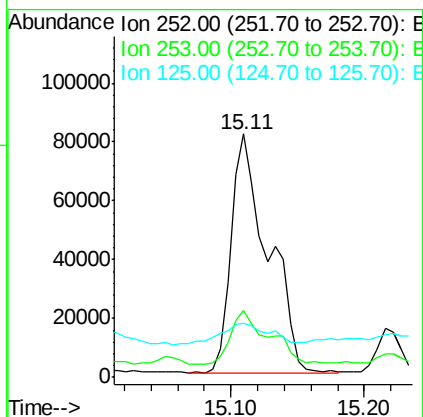
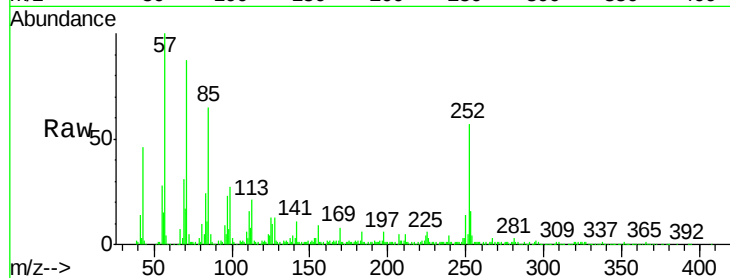




#89
Benzo(k)fluoranthene
Concen: 9.272 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

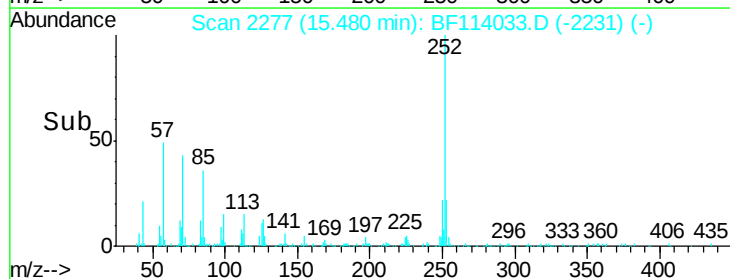
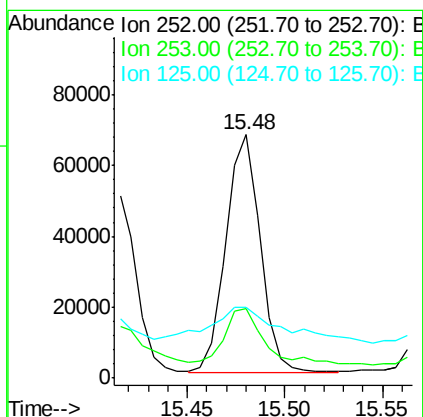
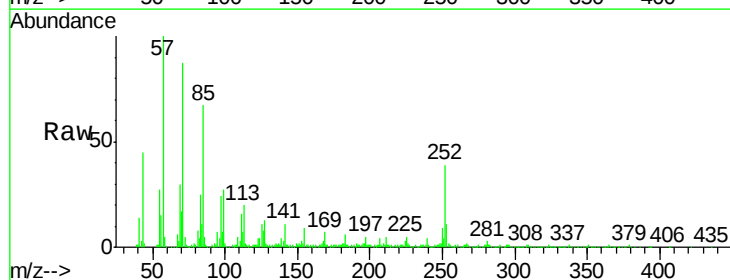
Instrument :
BNA_F
ClientSampleId :

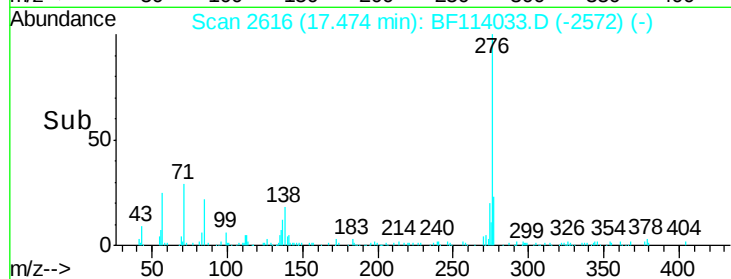
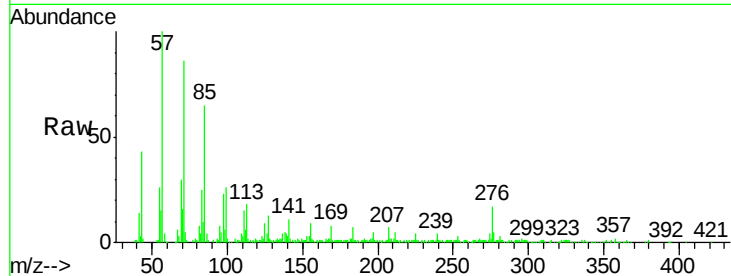
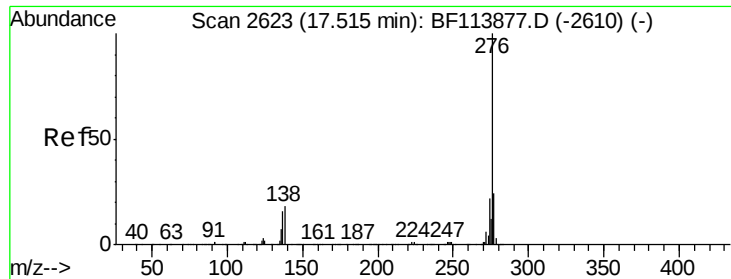
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.2	27.2#
125	22.3	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 4.900 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.5	26.3#
125	29.1	8.5	12.7#





#92
Benzo(a,h,i)perylene
Concen: 2.362 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.0	28.4
138	26.8	16.6	25.0

