

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113898.D
 Acq On : 23 Apr 2019 00:28
 Operator : JU/SJ
 Sample : K2202-03RE 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

Quant Time: Apr 23 03:56:50 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	176188	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	601537	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	295272	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	627279	20.00	ng	0.00
76) Chrysene-d12	14.06	240	592315	20.00	ng	-0.01
87) Perylene-d12	15.54	264	477292	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	523148	50.78	ng	0.00
7) Phenol-d6	6.52	99	644019	49.83	ng	0.00
23) Nitrobenzene-d5	7.45	82	359510	36.90	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	196323	54.58	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	640346	33.92	ng	0.00
79) Terphenyl-d14	13.00	244	867660	30.03	ng	0.00

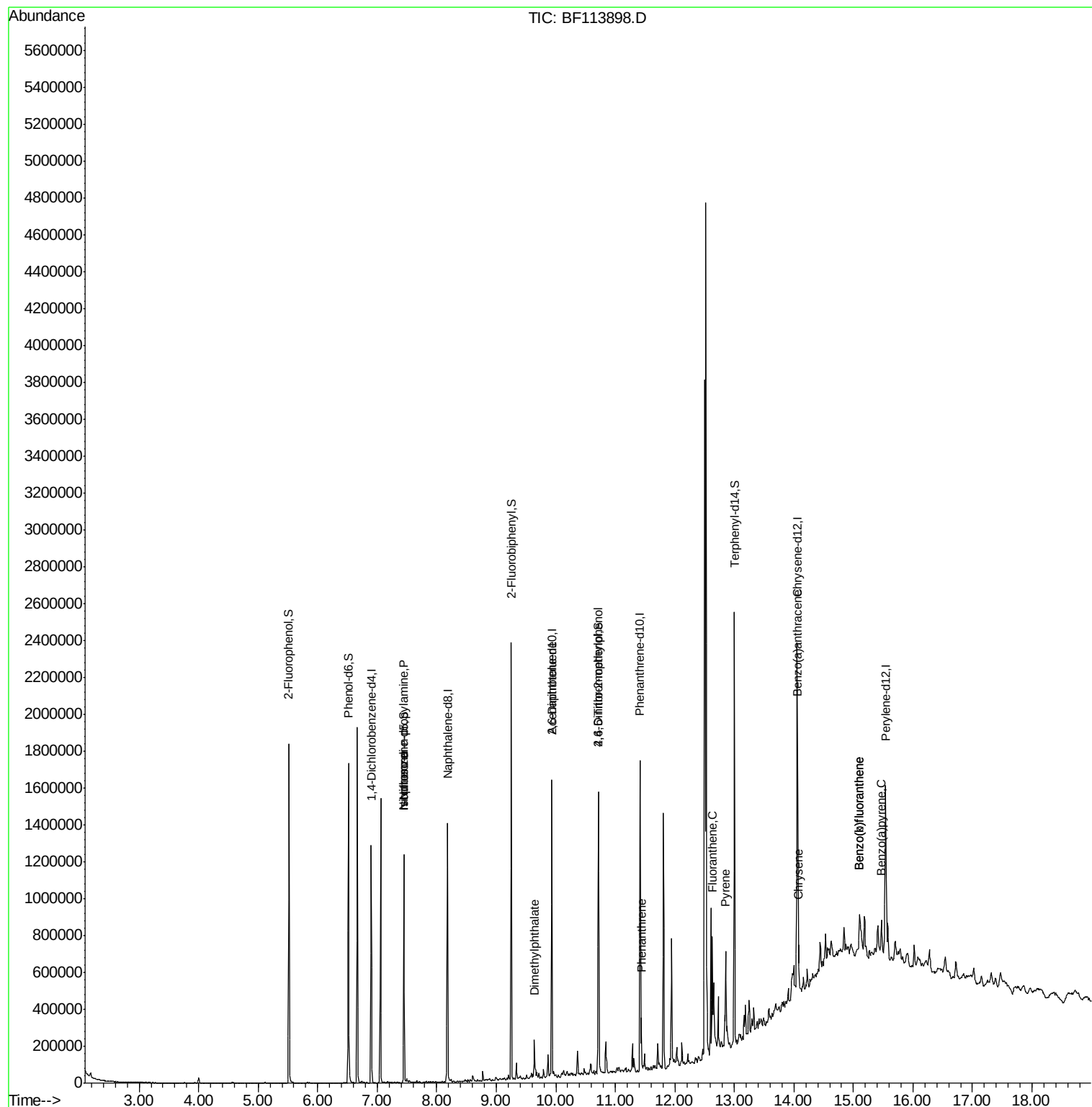
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	11639	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.45	70	47334	5.656 ng	#	78
25) Isophorone	7.45	82	357517	17.935 ng	#	65
50) Dimethylphthalate	9.64	163	72808	3.409 ng		100
51) 2,6-Dinitrotoluene	9.93	165	39533	8.629 ng	#	33
65) 4,6-Dinitro-2-methylphenol	10.72	198	291	7.394 ng	#	1
71) Phenanthrene	11.44	178	96667	3.066 ng		98
75) Fluoranthene	12.63	202	187483	5.451 ng		98
78) Pyrene	12.86	202	207144	5.001 ng		98
81) Benzo(a)anthracene	14.04	228	116902	3.350 ng		96
83) Chrysene	14.08	228	98299	2.892 ng		98
88) Benzo(b)fluoranthene	15.10	252	147631	4.889 ng	#	89
89) Benzo(k)fluoranthene	15.10	252	147631	5.683 ng	#	90
90) Benzo(a)pyrene	15.47	252	84357	3.230 ng	#	91

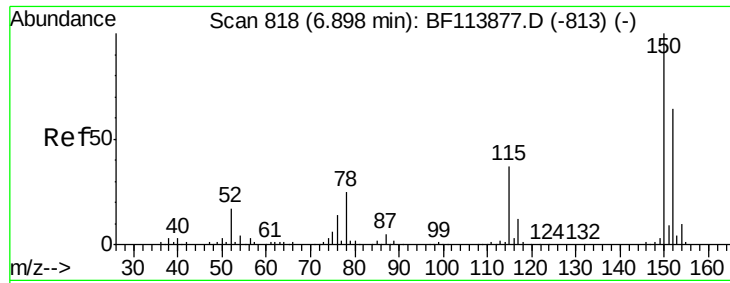
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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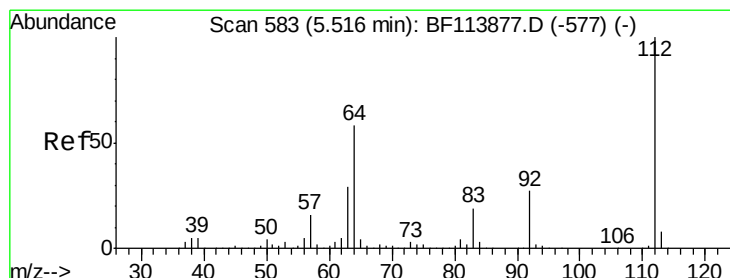
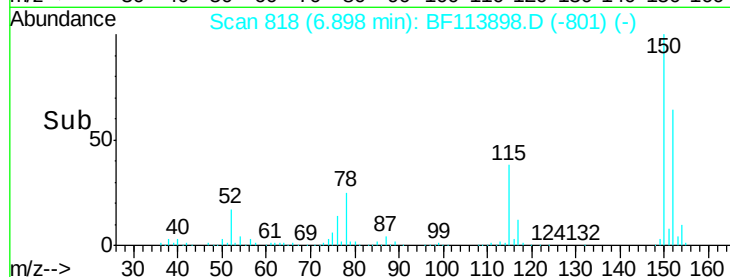
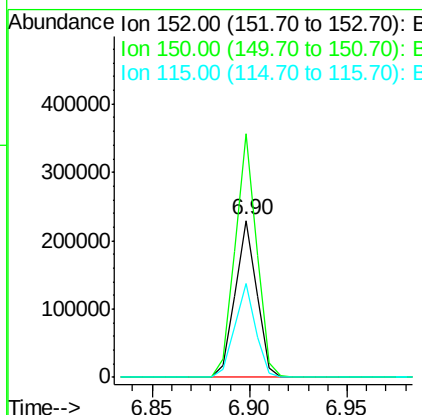
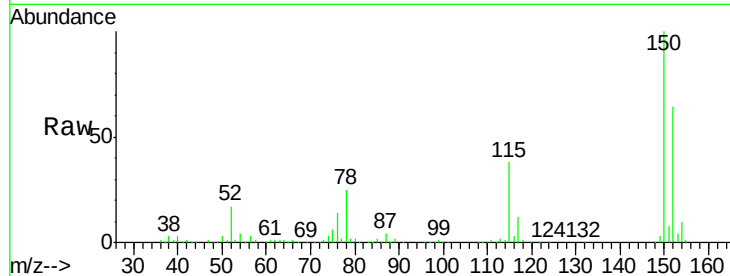




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113898.D
 Acq: 23 Apr 2019 00:28

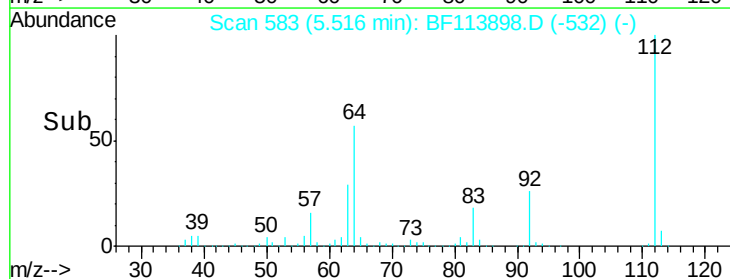
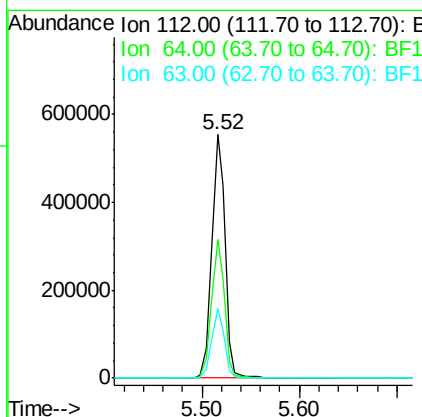
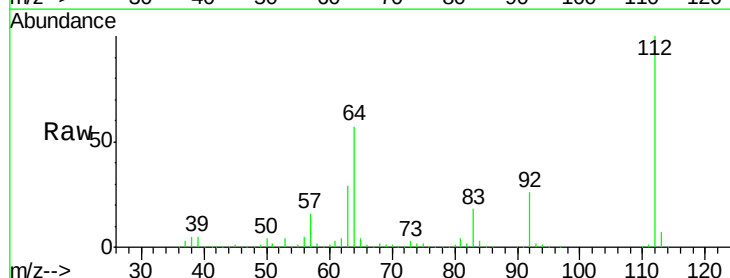
Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-B

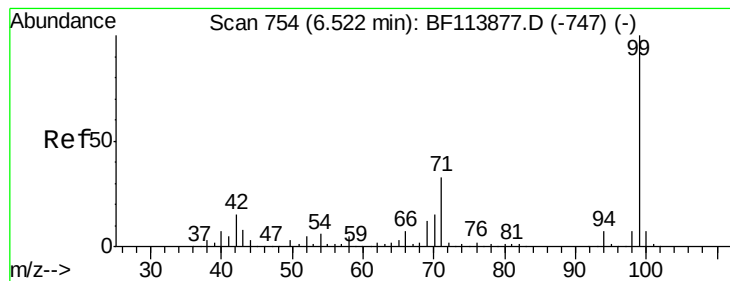
Tot Ion:152 Resp: 176188
 Ion Ratio Lower Upper
 152 100
 150 155.4 125.9 188.9
 115 59.8 45.9 68.9



#5
 2-Fluorophenol
 Concen: 50.785 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF113898.D
 Acq: 23 Apr 2019 00:28

Tgt Ion:112 Resp: 523148
 Ion Ratio Lower Upper
 112 100
 64 57.2 46.6 69.8
 63 28.7 23.1 34.7





#7

Phenol-d6

Concen: 49.831 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

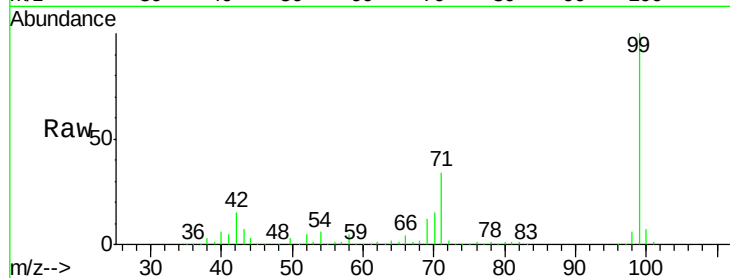
Tot Ion: 99 Resp: 644019

Ion Ratio Lower Upper

99 100

42 15.0 12.5 18.7

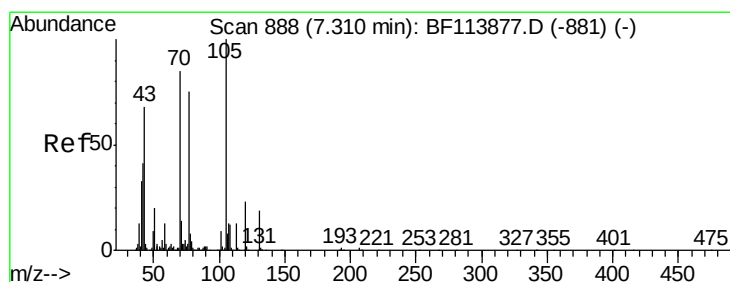
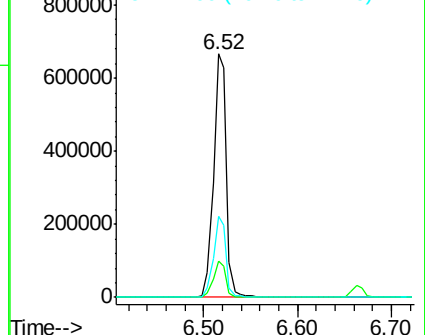
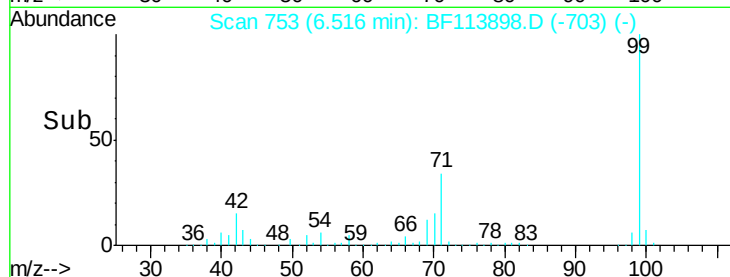
71 33.6 26.9 40.3



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: 5.656 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Tgt Ion: 70 Resp: 47334

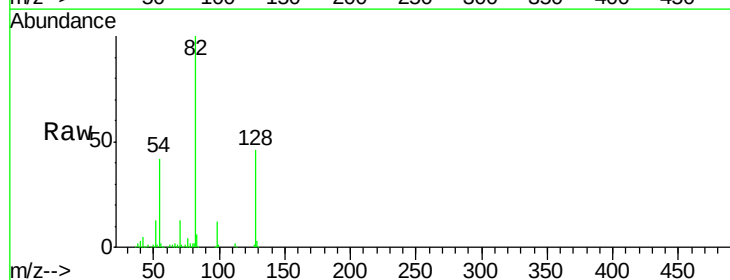
Ion Ratio Lower Upper

70 100

42 38.7 37.3 55.9

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

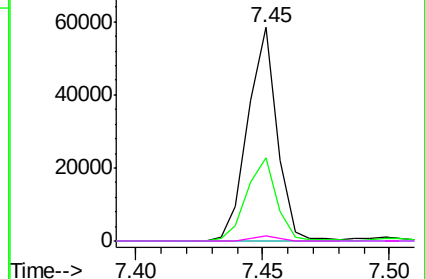
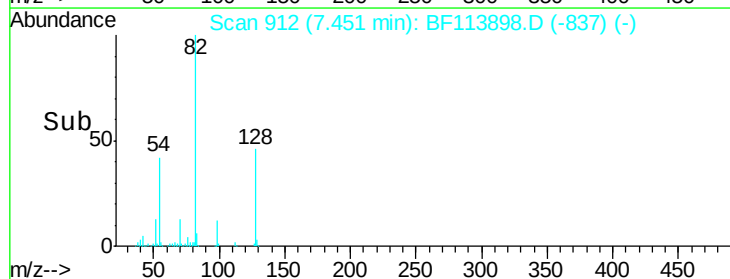


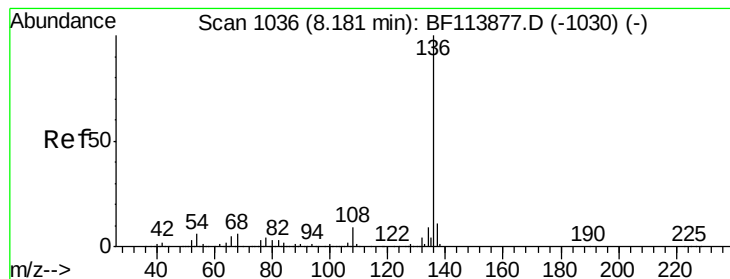
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

Tot Ion:136 Resp: 601537

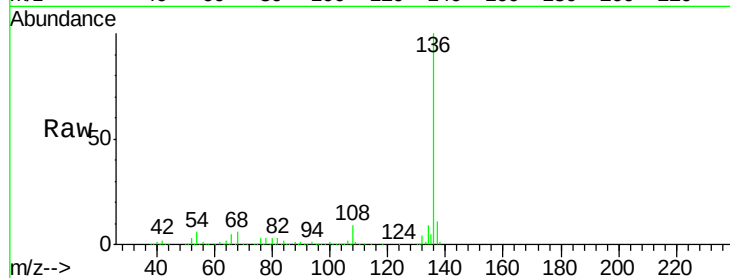
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.1 5.0 7.6

68 5.9 4.9 7.3

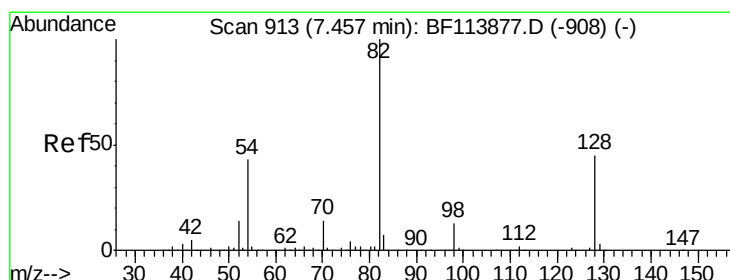
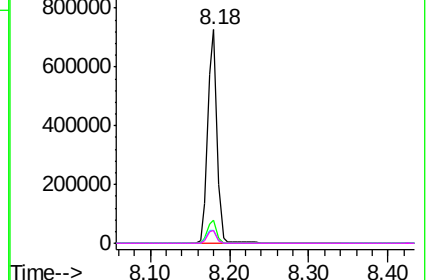
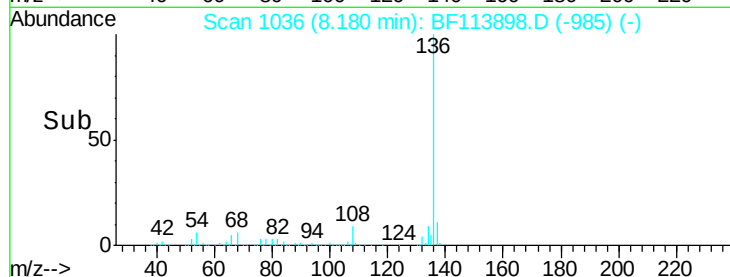


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.901 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

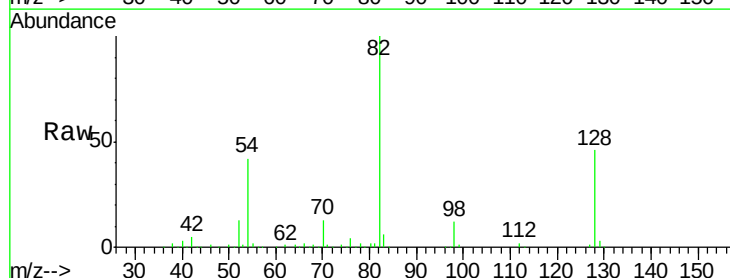
Tgt Ion: 82 Resp: 359510

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

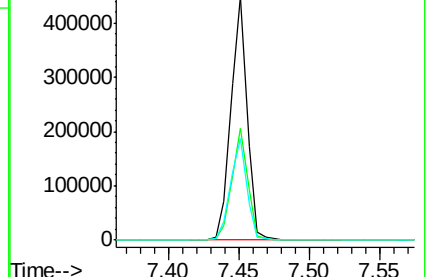
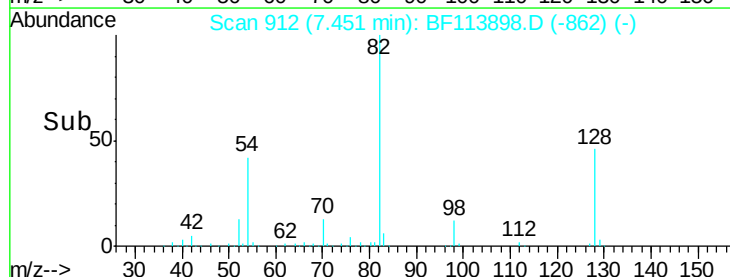
54 41.8 33.8 50.6

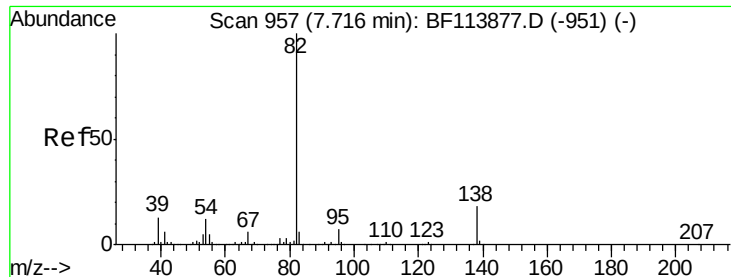


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.935 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

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ClientSampleId :

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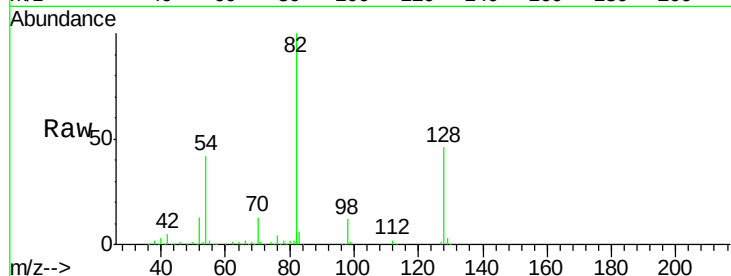
Tot Ion: 82 Resp: 357517

Ion Ratio Lower Upper

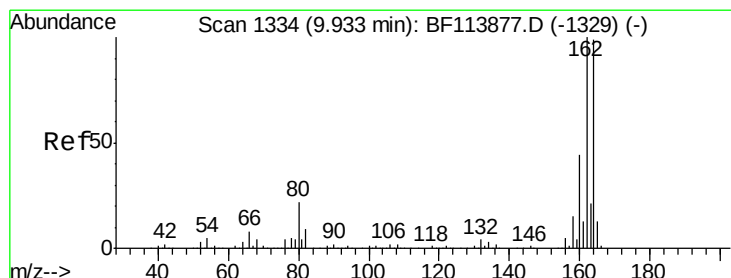
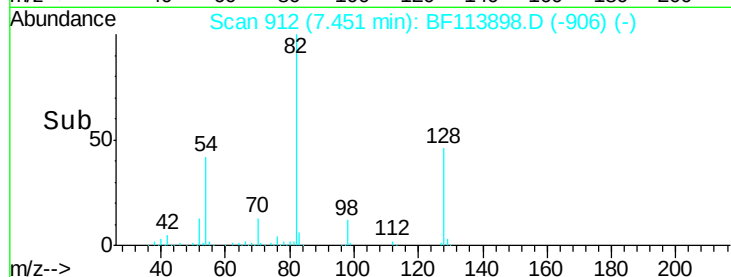
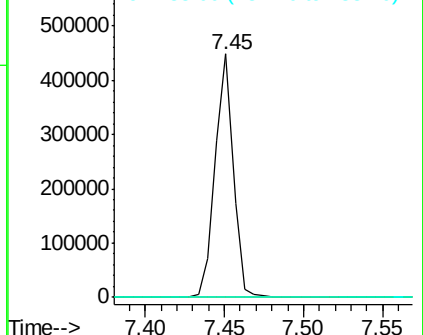
82 100

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# 1334

Delta R.T. -0.00 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

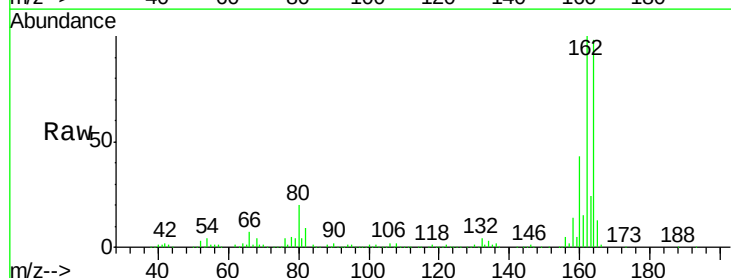
Tgt Ion:164 Resp: 295272

Ion Ratio Lower Upper

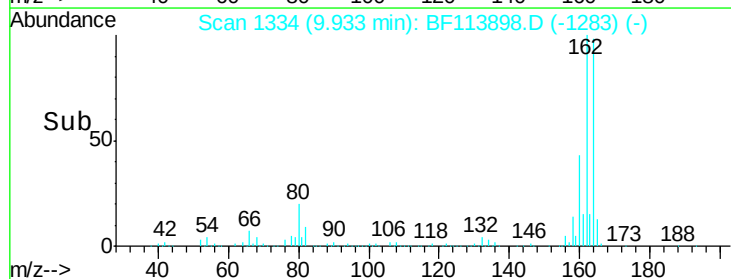
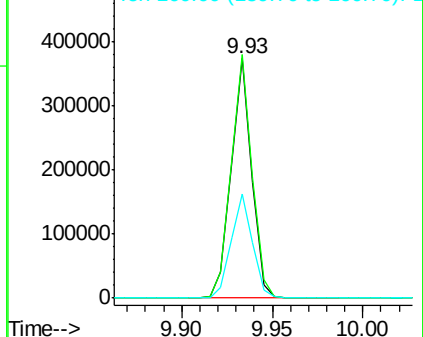
164 100

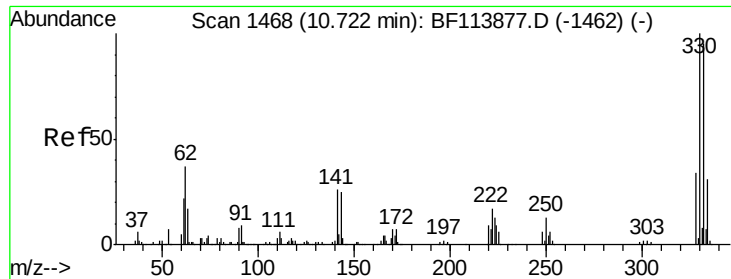
162 101.6 81.1 121.7

160 43.6 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: 54.579 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113898.D

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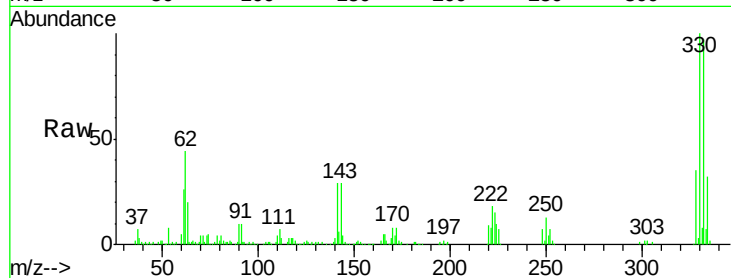
Tot Ion:330 Resp: 196323

Ion Ratio Lower Upper

330 100

332 98.9 77.5 116.3

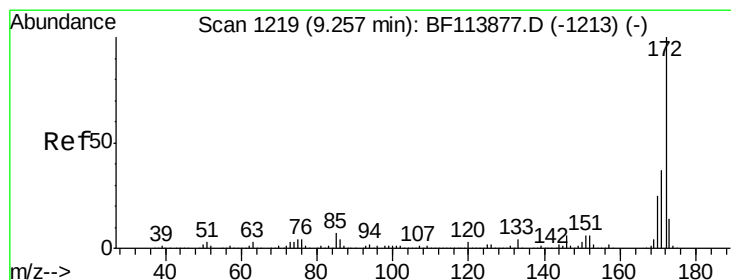
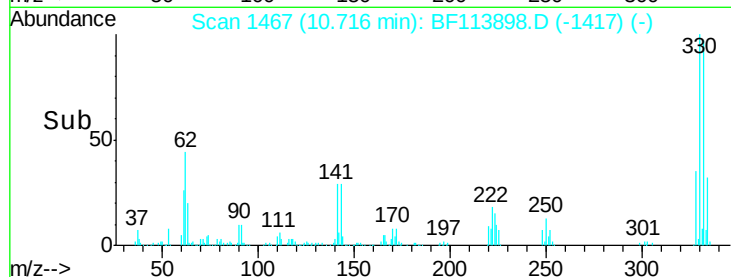
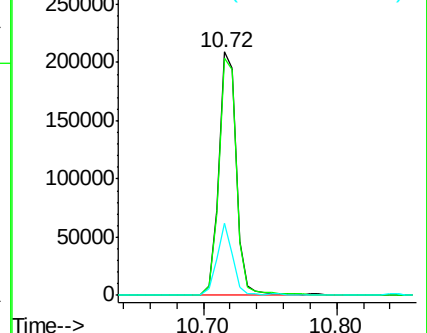
141 26.8 22.2 33.2



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: 33.918 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

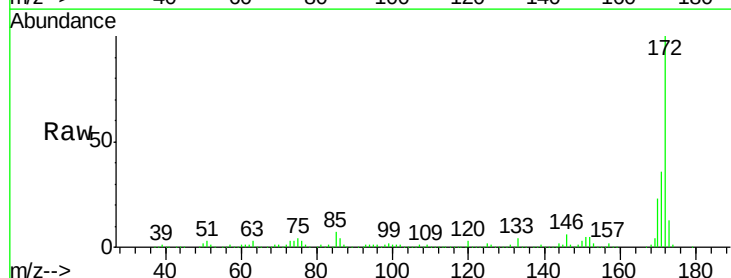
Tgt Ion:172 Resp: 640346

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.0

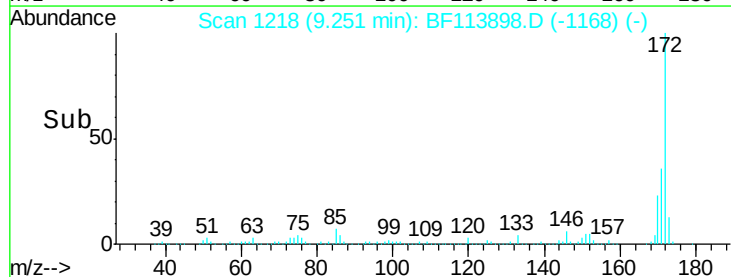
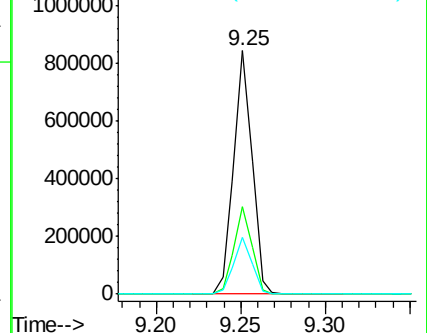
170 23.5 19.9 29.9

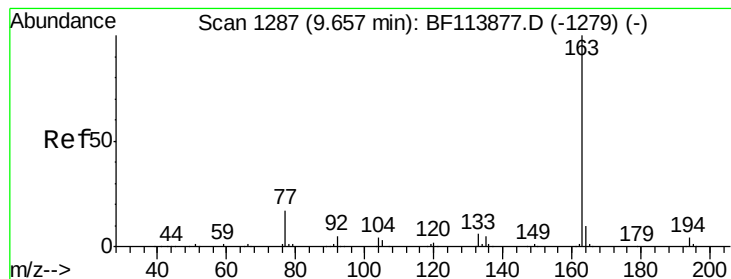


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.409 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

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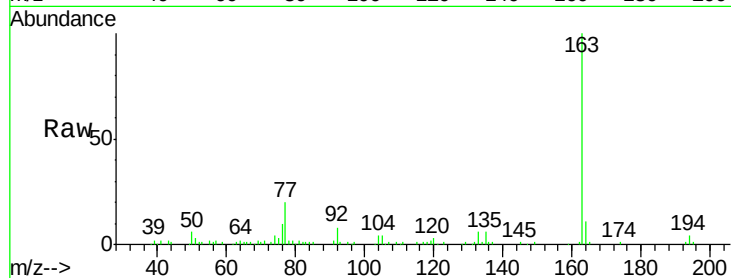
Tot Ion:163 Resp: 72808

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

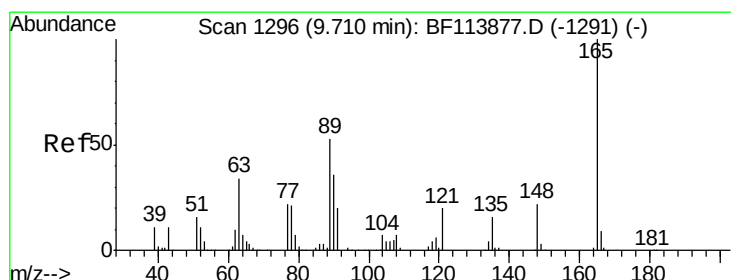
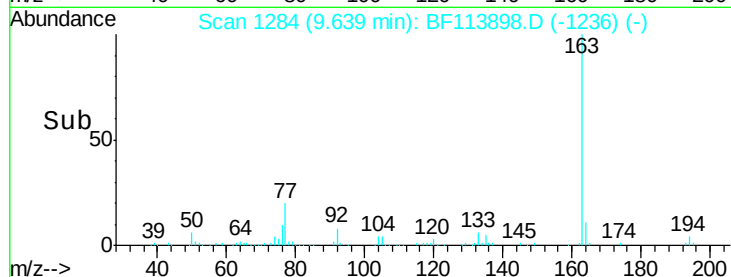
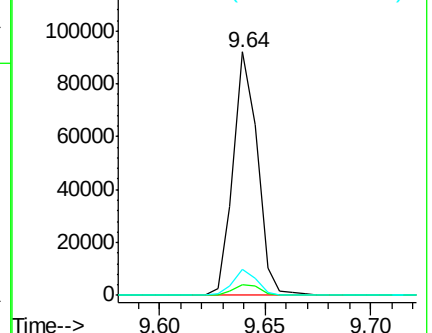
164 10.6 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 8.629 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

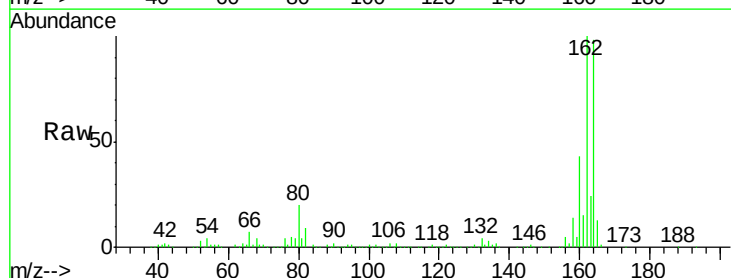
Tgt Ion:165 Resp: 39533

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

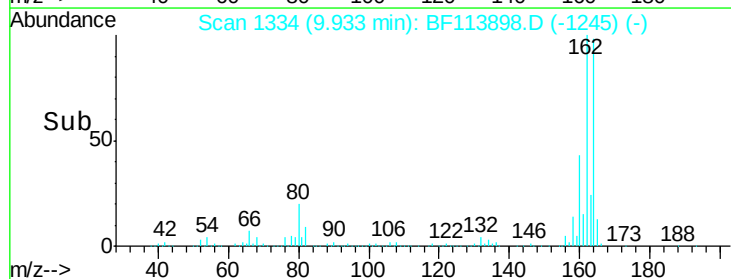
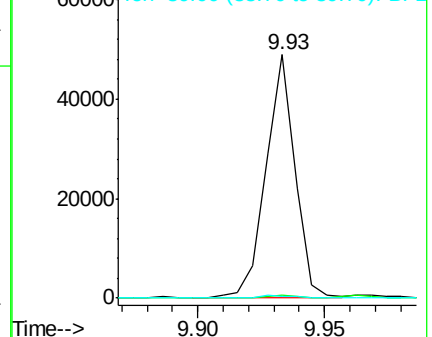
89 0.9 38.2 57.2#

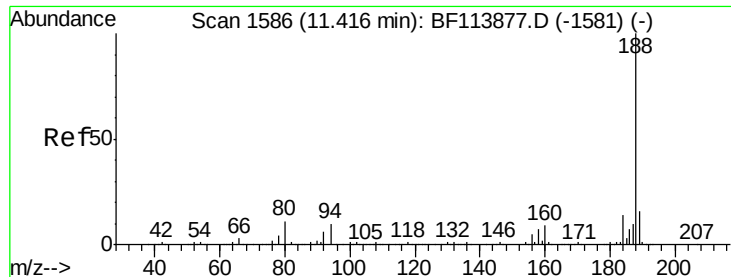


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF113898.D

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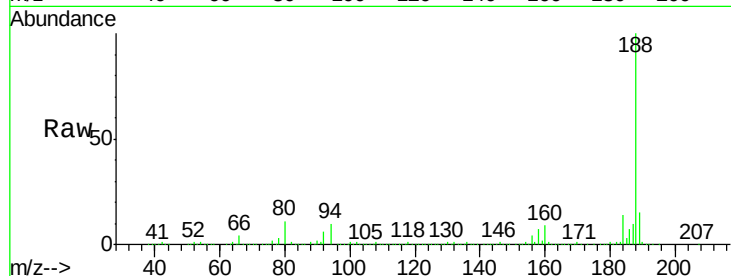
Tot Ion:188 Resp: 627279

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.4

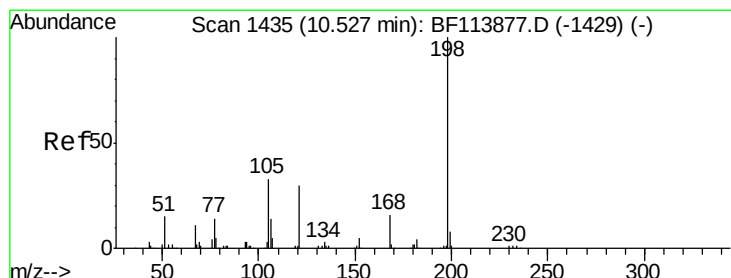
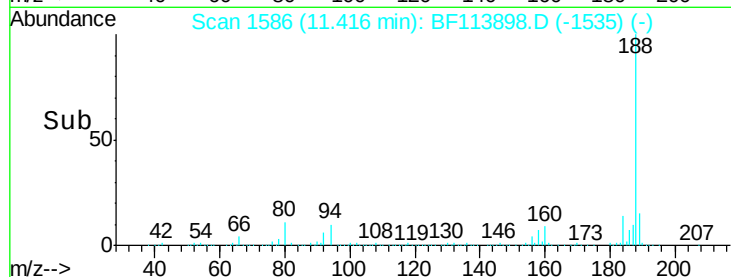
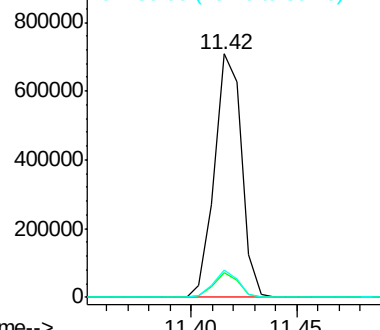
80 11.1 9.0 13.6



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: 7.394 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

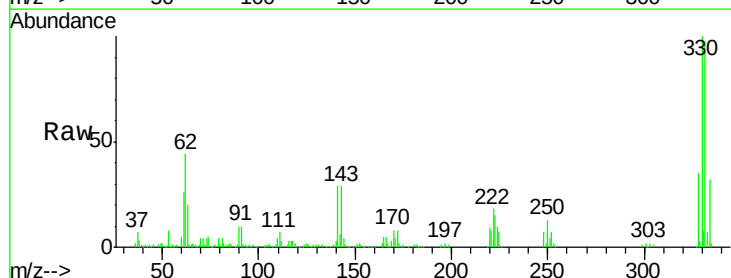
Tgt Ion:198 Resp: 291

Ion Ratio Lower Upper

198 100

51 173.9 11.1 51.1#

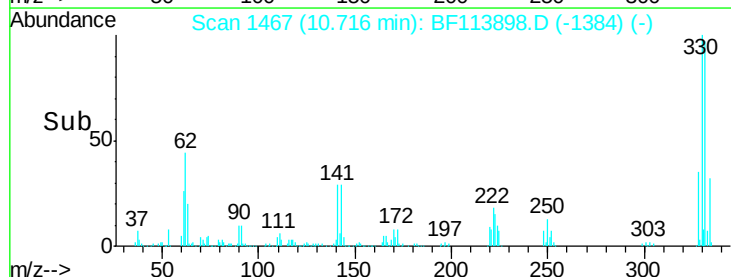
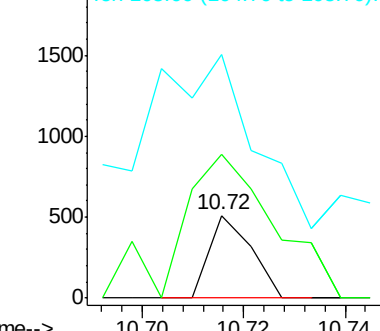
105 295.5 20.7 60.7#

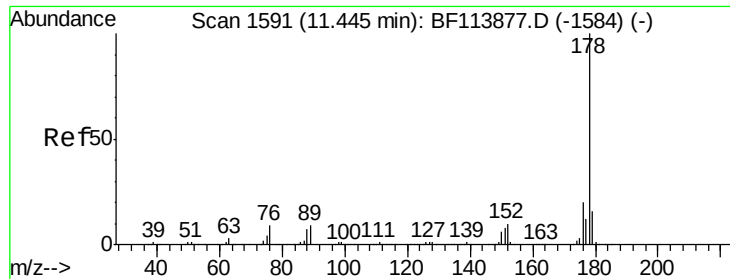


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 3.066 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

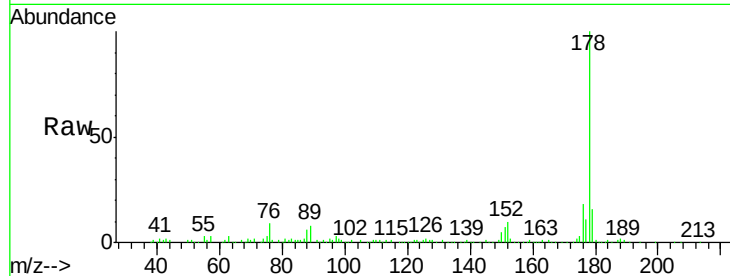
Tot Ion:178 Resp: 96667

Ion Ratio Lower Upper

178 100

176 18.4 16.1 24.1

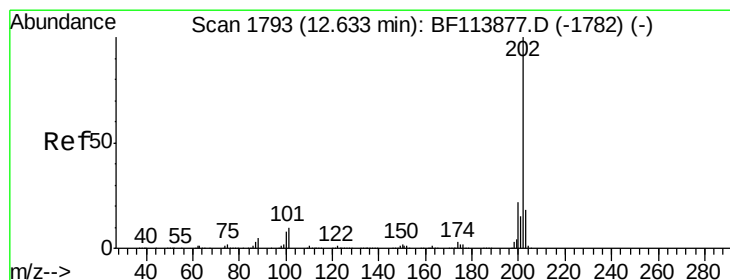
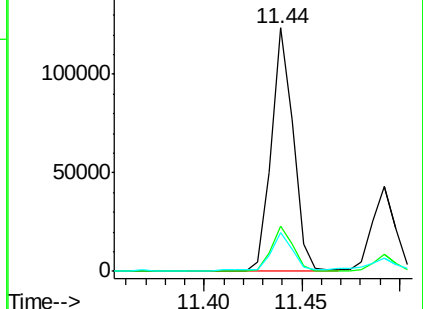
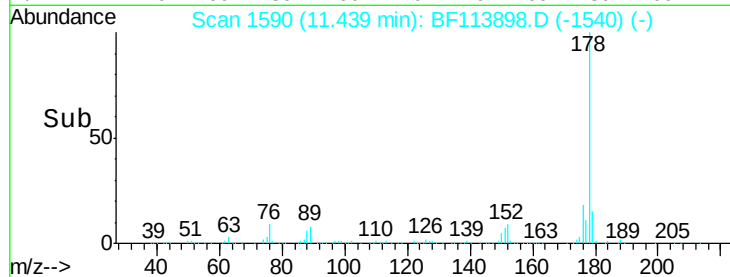
179 15.9 12.8 19.2



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



#75

Fluoranthene

Concen: 5.451 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

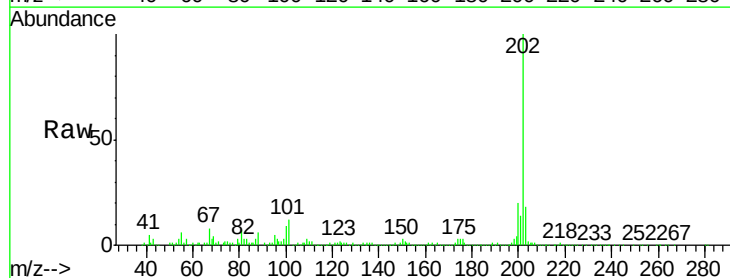
Tgt Ion:202 Resp: 187483

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.9

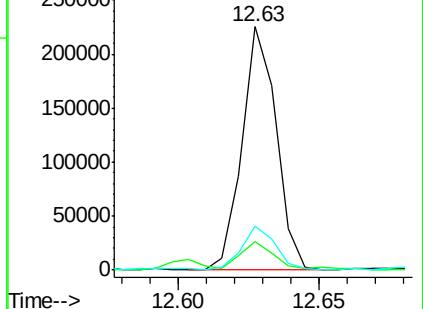
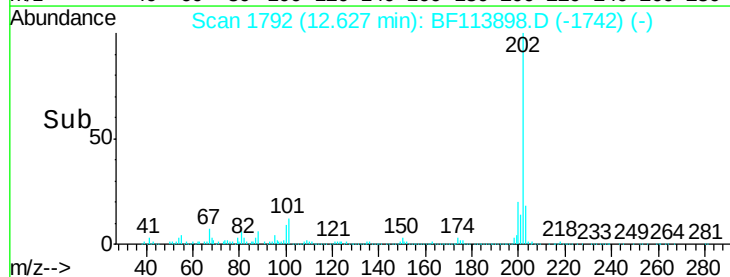
203 18.3 0.0 38.2

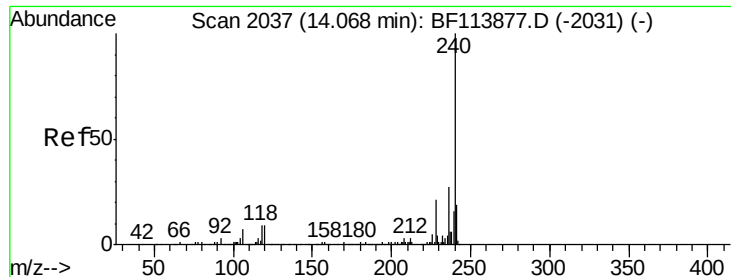


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

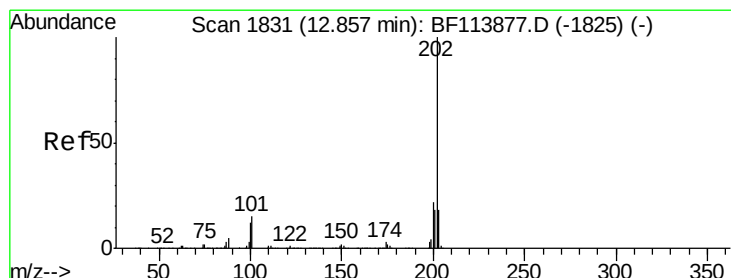
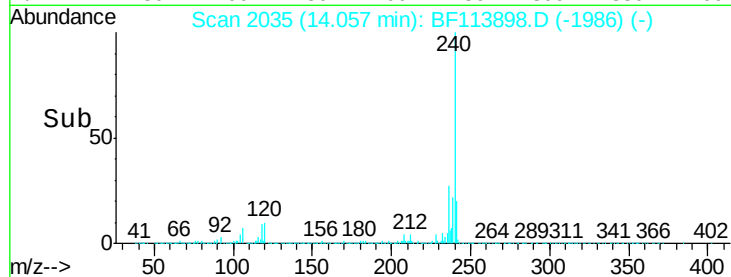
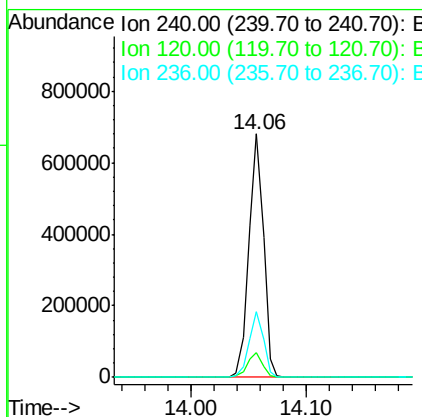
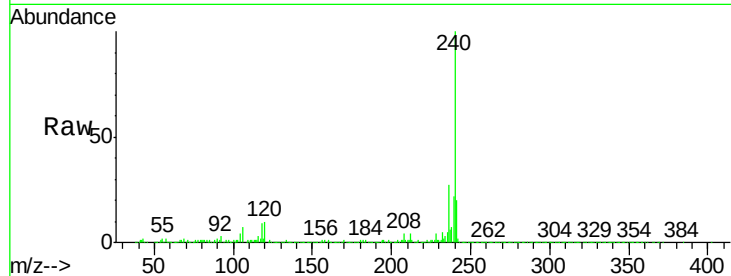




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113898.D
Acq: 23 Apr 2019 00:28

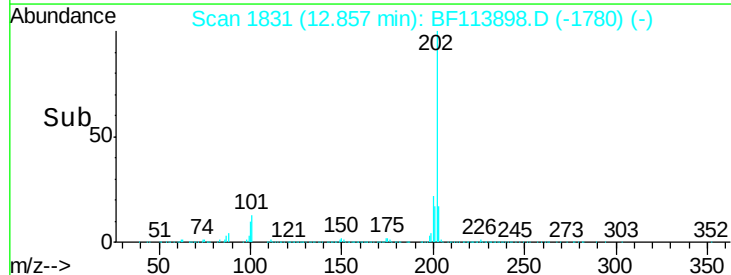
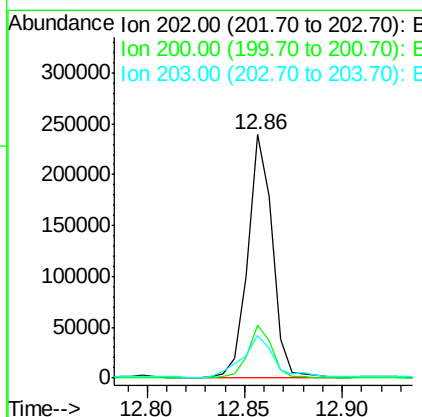
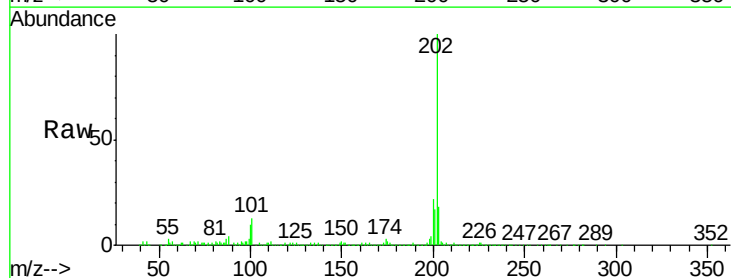
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

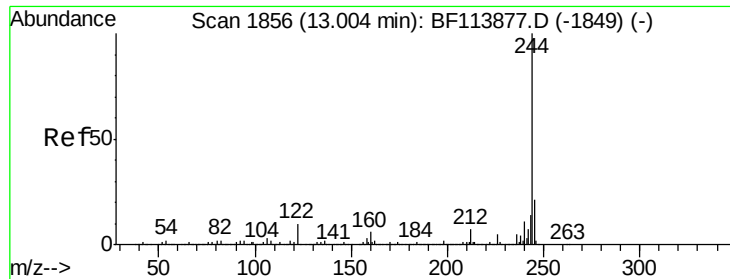
Tot Ion:240 Resp: 592315
Ion Ratio Lower Upper
240 100
120 9.9 9.3 13.9
236 26.8 21.2 31.8



#78
Pyrene
Concen: 5.001 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF113898.D
Acq: 23 Apr 2019 00:28

Tgt Ion:202 Resp: 207144
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.7 15.0 22.6





#79

Terphenyl-d14

Concen: 30.032 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

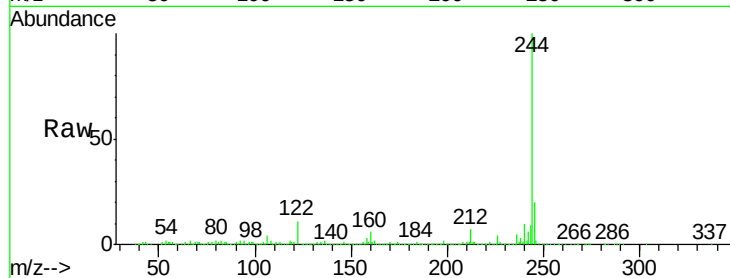
Tot Ion:244 Resp: 867660

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

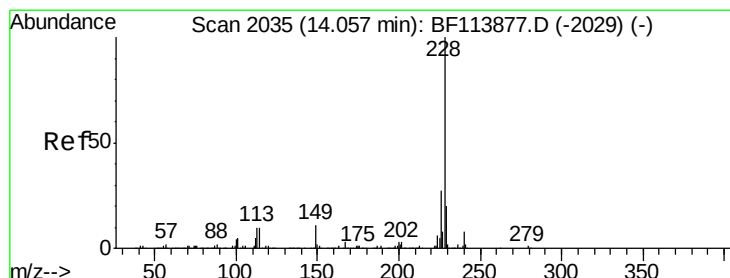
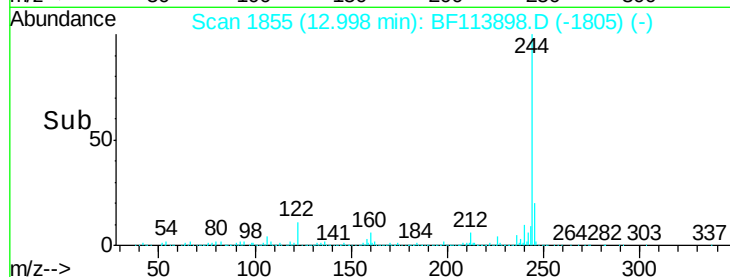
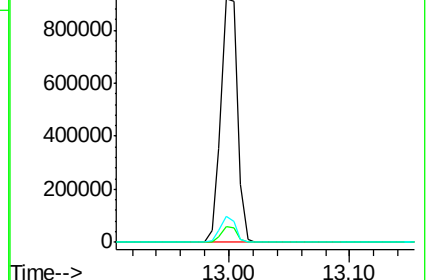
122 10.9 7.6 11.4



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



#81

Benzo(a)anthracene

Concen: 3.350 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

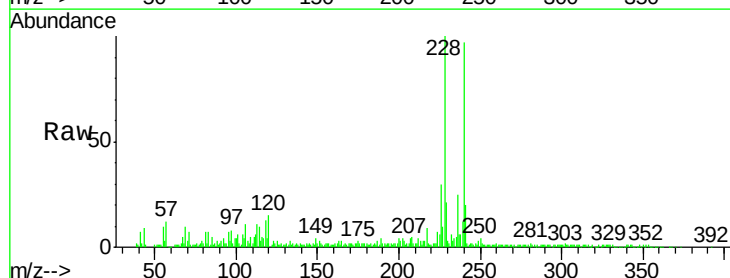
Tgt Ion:228 Resp: 116902

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.2

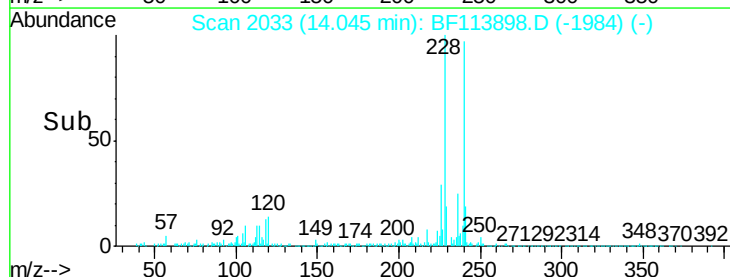
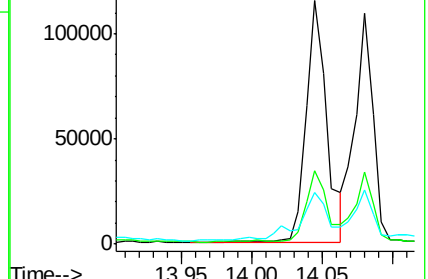
229 21.4 16.0 24.0

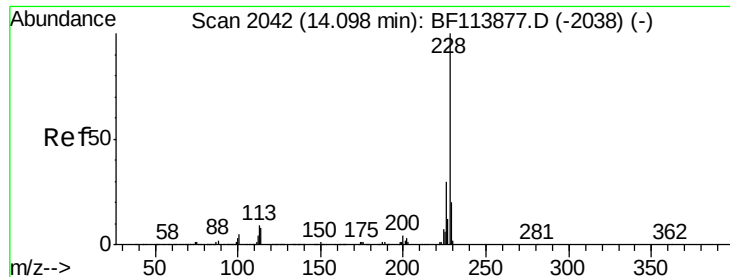


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.892 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

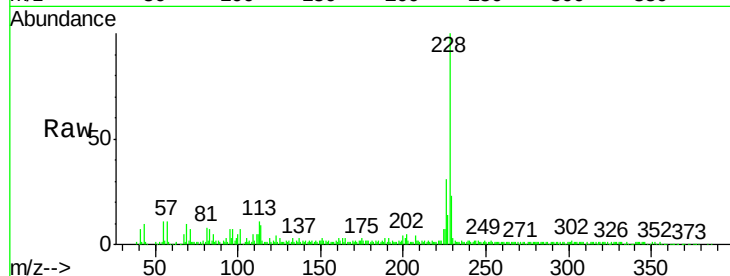
Tot Ion:228 Resp: 98299

Ion Ratio Lower Upper

228 100

226 31.3 25.2 37.8

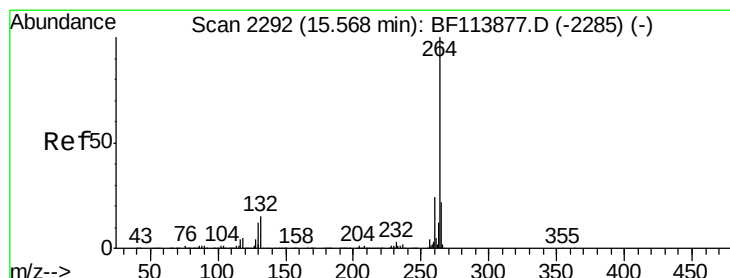
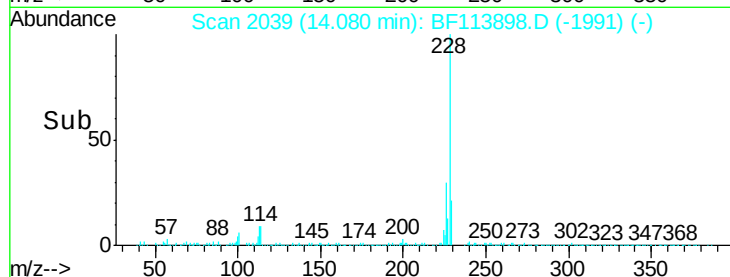
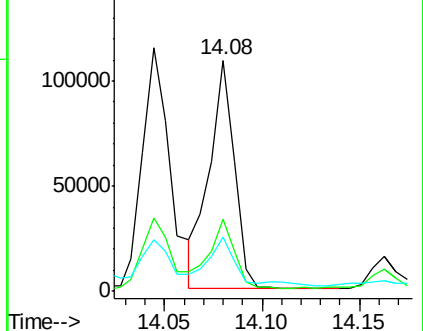
229 23.2 16.7 25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

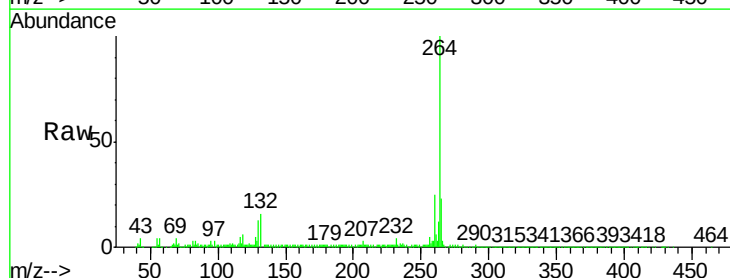
Tgt Ion:264 Resp: 477292

Ion Ratio Lower Upper

264 100

260 24.9 18.9 28.3

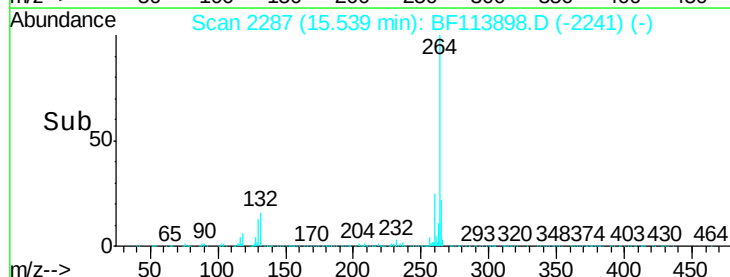
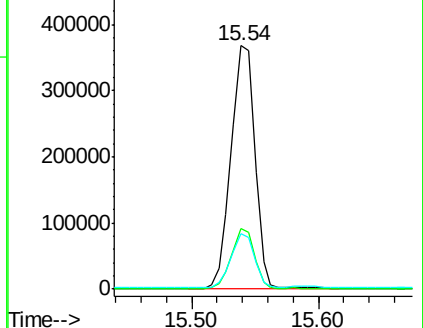
265 22.8 17.3 25.9

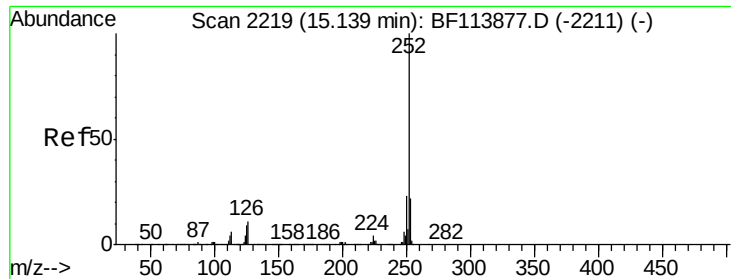


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

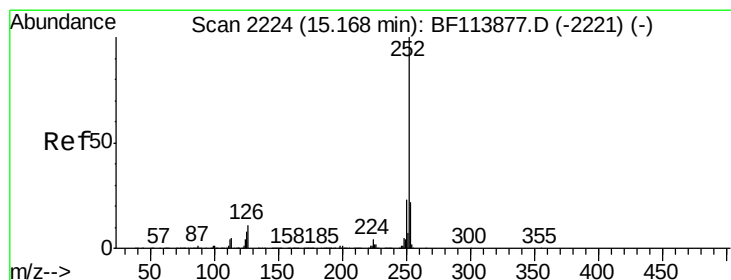
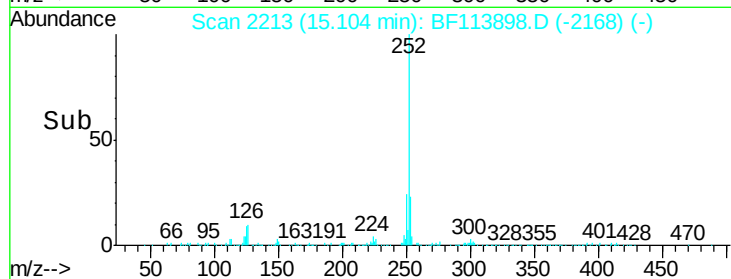
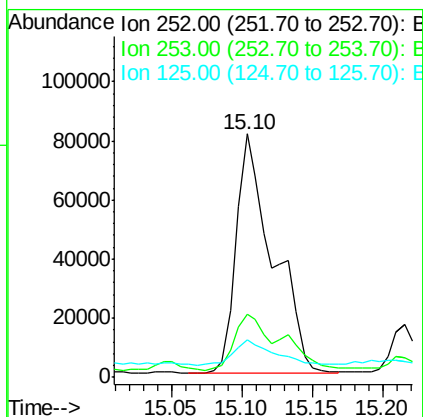
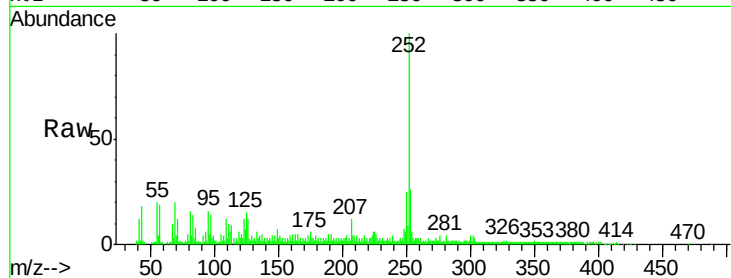




#88
Benzo(b)fluoranthene
Concen: 4.889 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113898.D
Acq: 23 Apr 2019 00:28

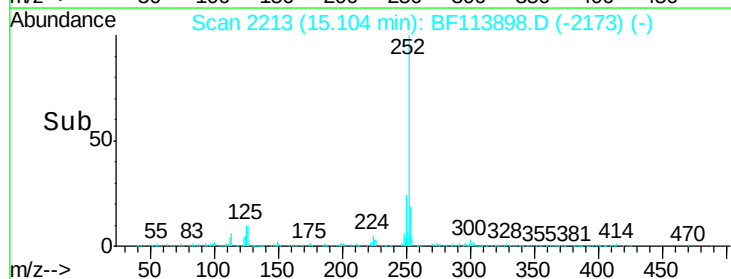
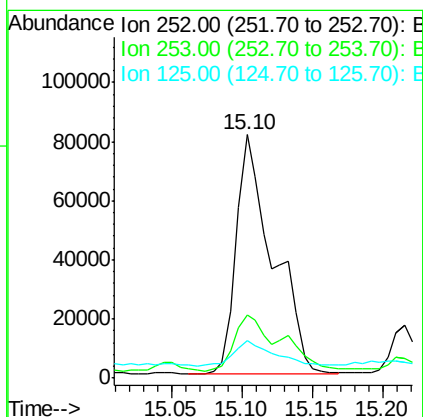
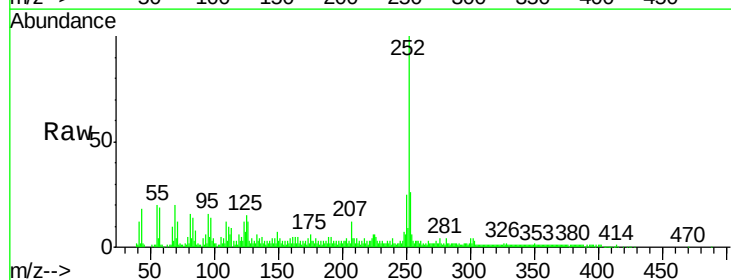
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

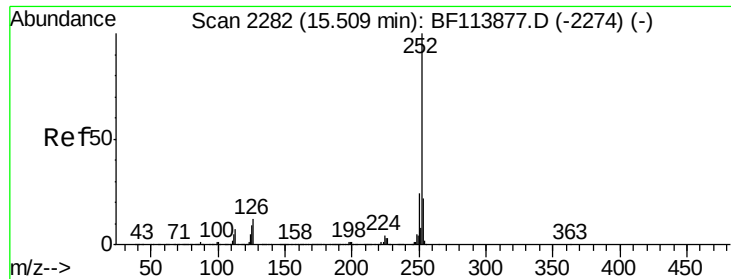
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.6
125	15.2	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 5.683 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF113898.D
Acq: 23 Apr 2019 00:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	15.2	7.4	11.2





#90

Benzo(a)pyrene

Concen: 3.230 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.04 min

Lab File: BF113898.D

Acq: 23 Apr 2019 00:28

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-B

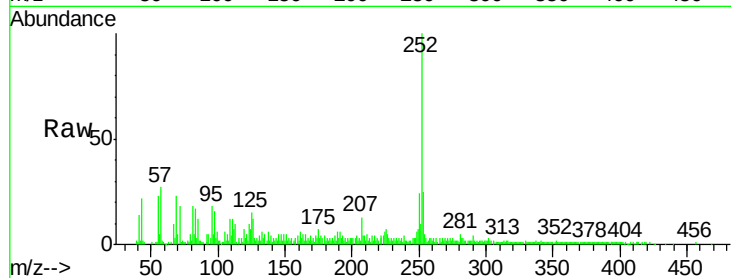
Tot Ion: 252 Resp: 84357

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 15.0 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

