

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113896.D
 Acq On : 22 Apr 2019 23:36
 Operator : JU/SJ
 Sample : K2201-01DL 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

Quant Time: Apr 23 03:56:32 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	160438	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	554722	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	277855	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	601831	20.00	ng	0.00
76) Chrysene-d12	14.06	240	585294	20.00	ng	-0.01
87) Perylene-d12	15.54	264	491550	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	188598	20.11	ng	0.00
7) Phenol-d6	6.51	99	231287	19.65	ng	-0.01
23) Nitrobenzene-d5	7.45	82	125062	13.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	70734	20.90	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	261386	14.71	ng	0.00
79) Terphenyl-d14	13.00	244	390555	13.68	ng	0.00

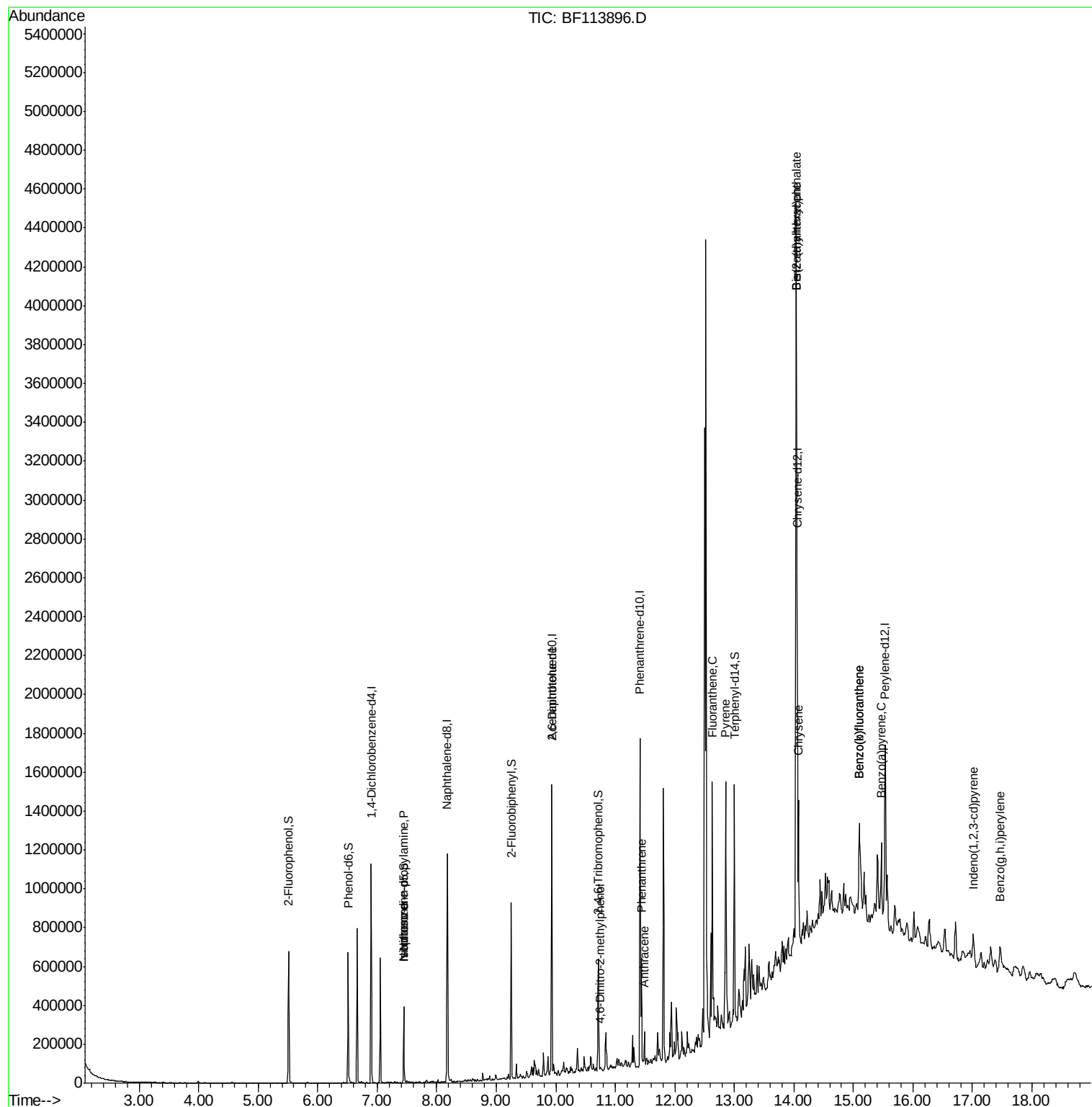
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	319	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	16772	2.201	ng	# 82
25) Isophorone	7.45	82	124934	6.796	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	37404	8.676	ng	# 33
65) 4,6-Dinitro-2-methylphenol	10.75	198	125	7.347	ng	# 1
71) Phenanthrene	11.44	178	186397	6.163	ng	98
72) Anthracene	11.49	178	69282	2.268	ng	96
75) Fluoranthene	12.63	202	467188	14.158	ng	98
78) Pyrene	12.86	202	510861	12.481	ng	99
81) Benzo(a)anthracene	14.04	228	299715	8.691	ng	94
83) Chrysene	14.08	228	270075	8.042	ng	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	976551	47.661	ng	100
86) Indeno(1,2,3-cd)pyrene	17.02	276	95229	2.993	ng	96
88) Benzo(b)fluoranthene	15.10	252	365792	11.762	ng	# 94
89) Benzo(k)fluoranthene	15.10	252	365792	13.674	ng	# 95
90) Benzo(a)pyrene	15.47	252	183414	6.818	ng	# 96
92) Benzo(a,h,i)perylene	17.46	276	87811	3.446	ng	94

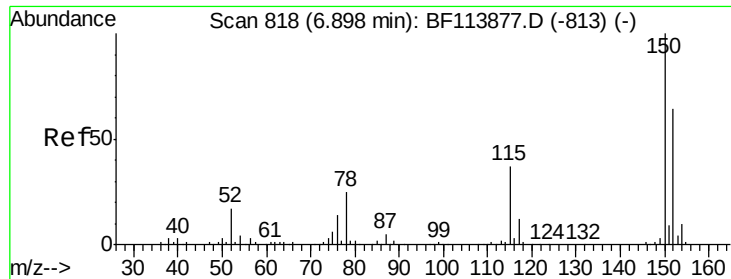
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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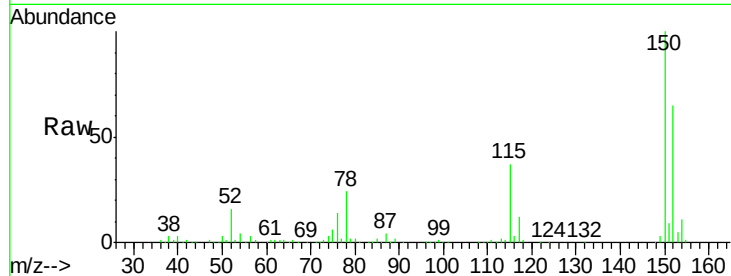


#1

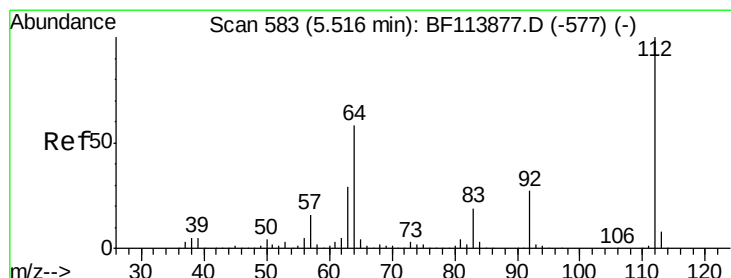
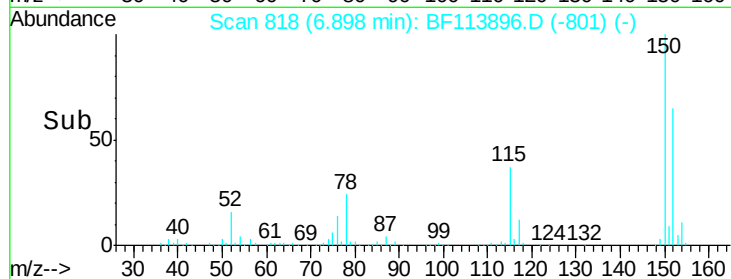
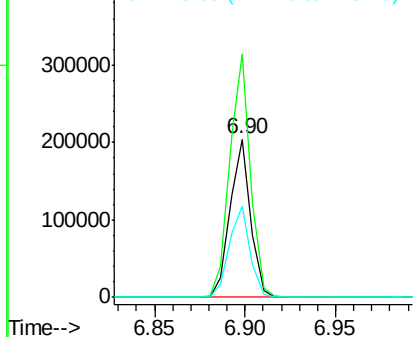
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

Tot Ion:152 Resp: 160438
Ion Ratio Lower Upper
152 100
150 153.7 125.9 188.9
115 57.3 45.9 68.9



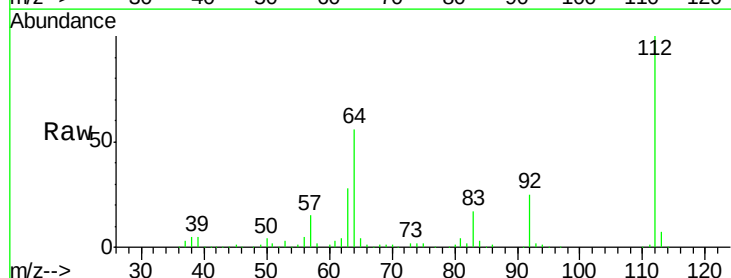
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



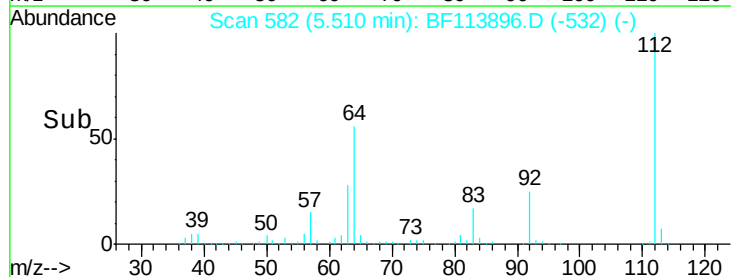
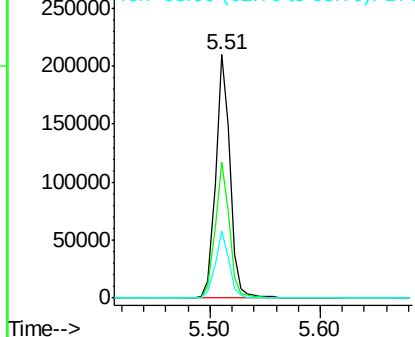
#5

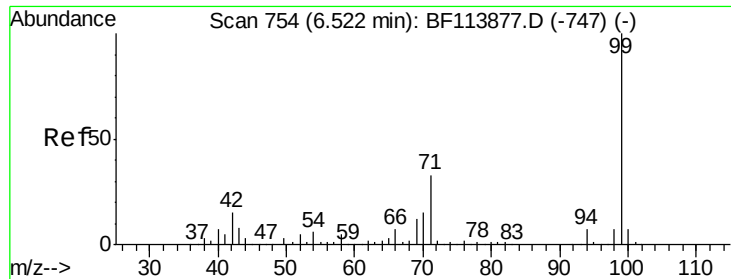
2-Fluorophenol
Concen: 20.106 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion:112 Resp: 188598
Ion Ratio Lower Upper
112 100
64 56.0 46.6 69.8
63 27.5 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: 19.653 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-ADL

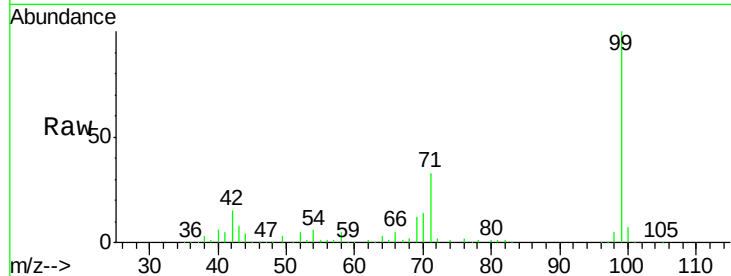
Tot Ion: 99 Resp: 231287

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

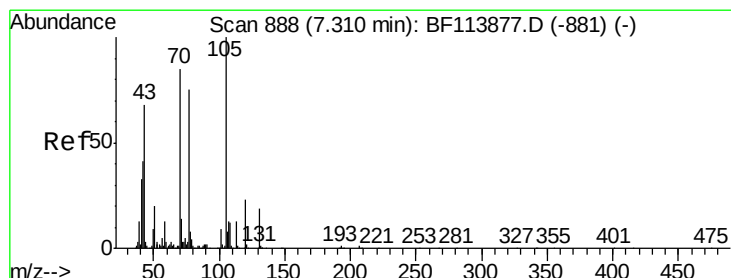
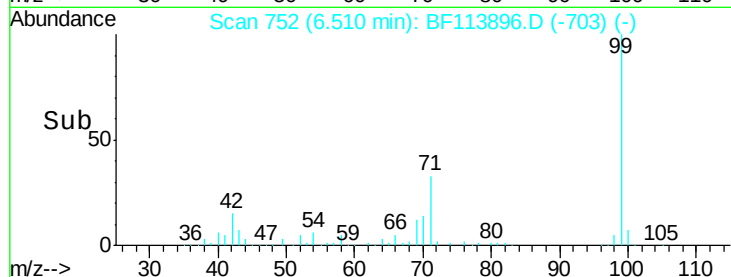
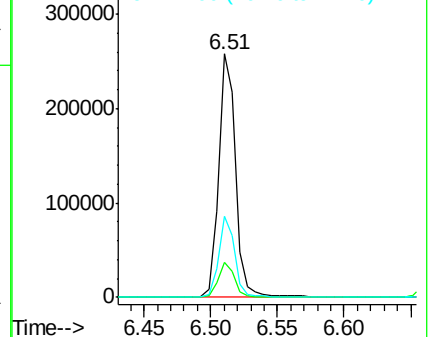
71 33.2 26.9 40.3



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: 2.201 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion: 70 Resp: 16772

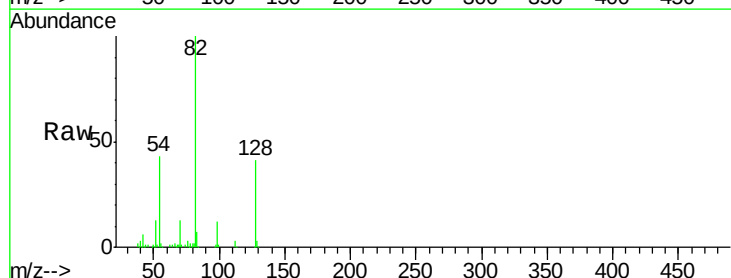
Ion Ratio Lower Upper

70 100

42 43.0 37.3 55.9

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

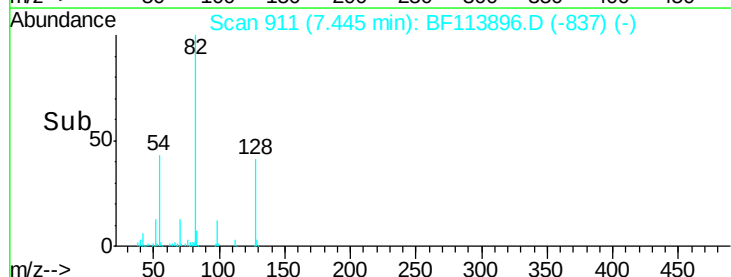
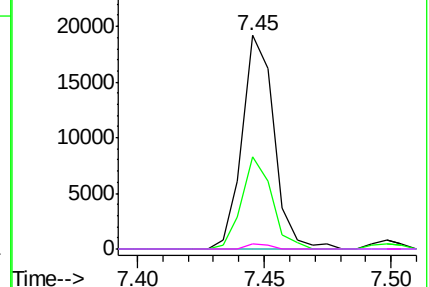


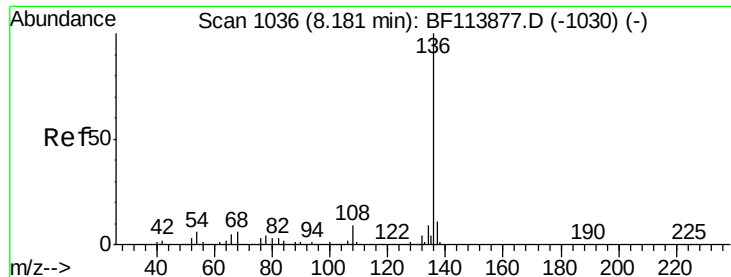
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

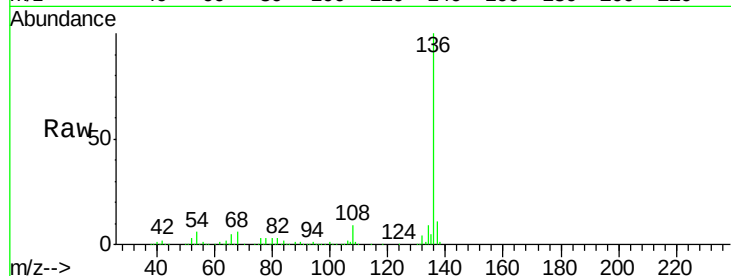




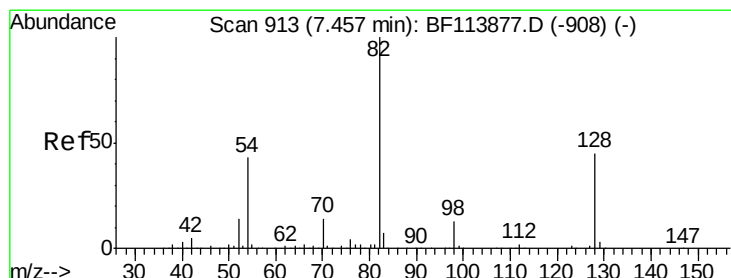
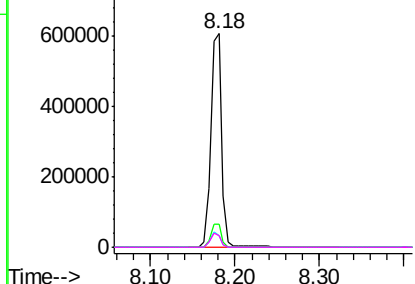
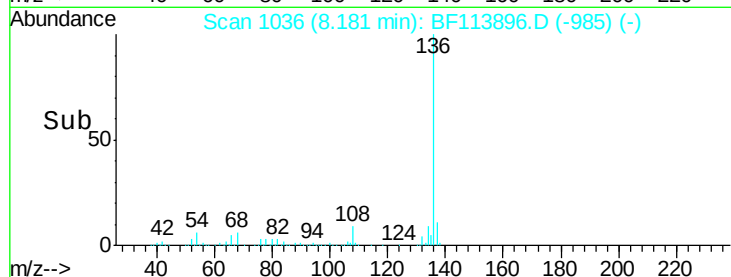
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

Tot Ion:136	Resp:	554722
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.6	12.8
54 5.7	5.0	7.6
68 5.5	4.9	7.3

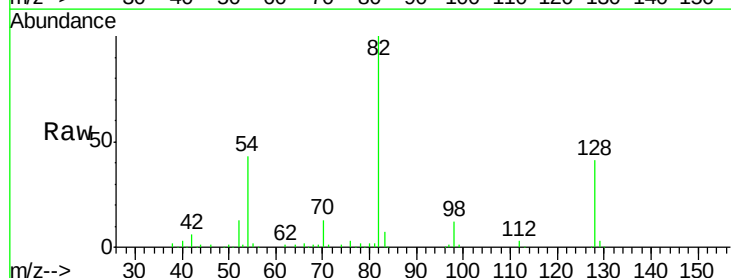


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

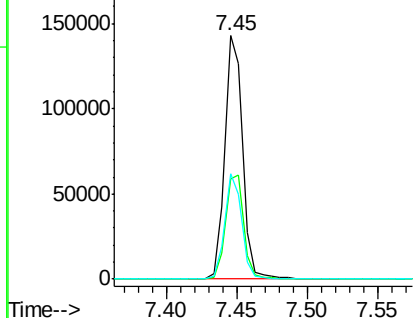
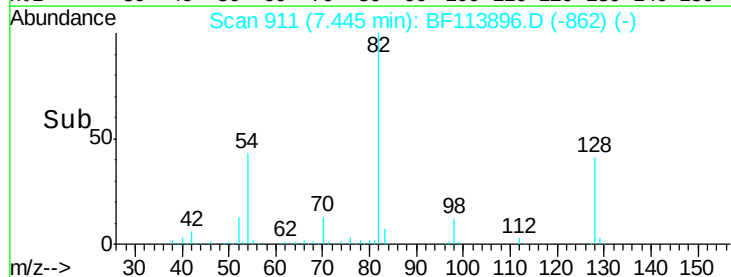


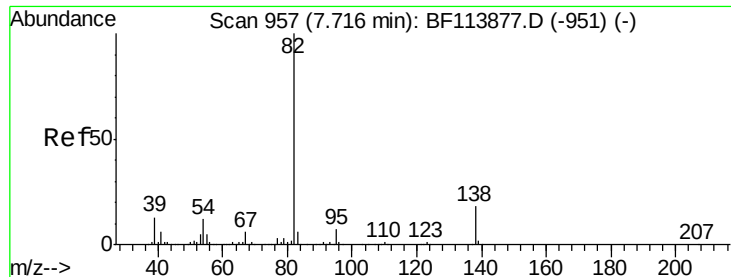
#23
Nitrobenzene-d5
Concen: 13.920 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt	Ion: 82	Resp:	125062
Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.8	55.2
54	43.1	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: 6.796 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-ADL

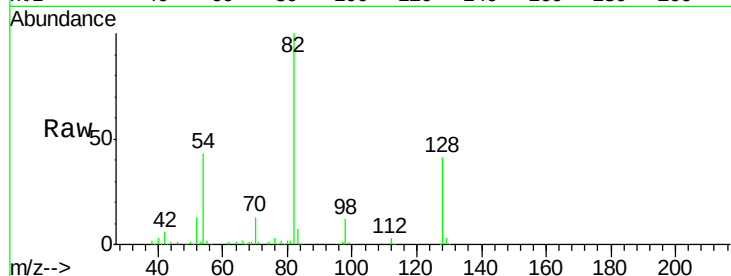
Tot Ion: 82 Resp: 124934

Ion Ratio Lower Upper

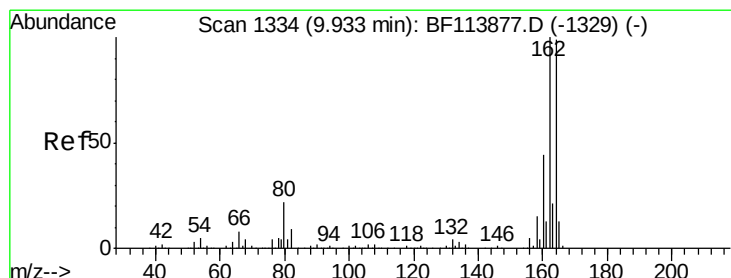
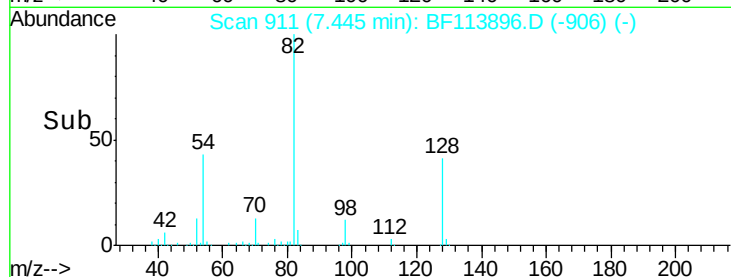
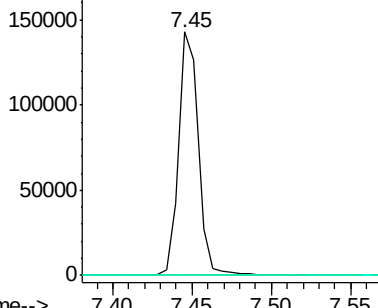
82 100

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: BF113896.D

Acq: 22 Apr 2019 23:36

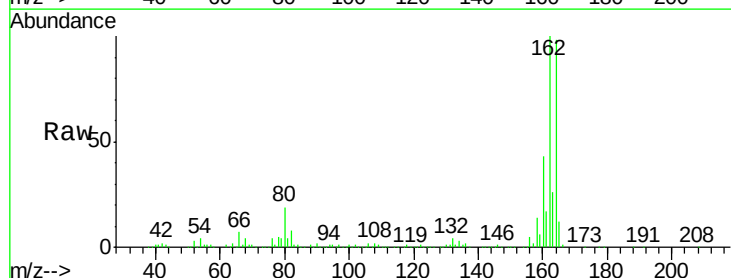
Tgt Ion:164 Resp: 277855

Ion Ratio Lower Upper

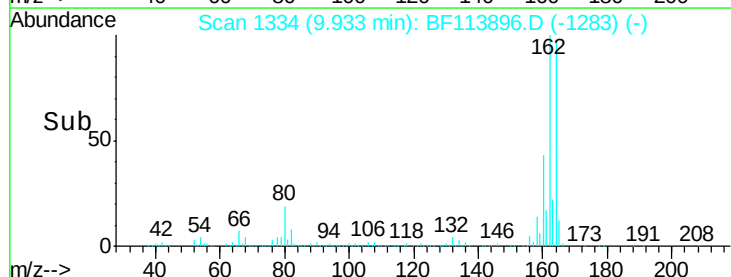
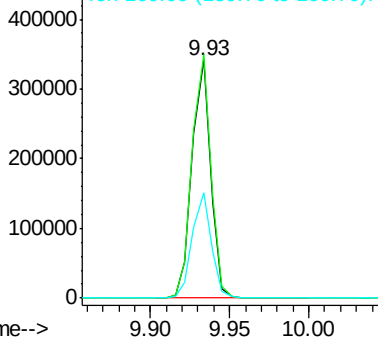
164 100

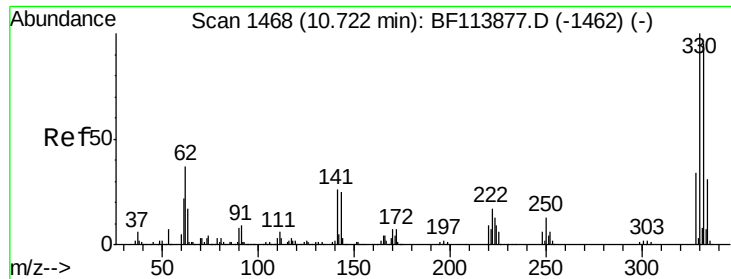
162 102.2 81.1 121.7

160 44.5 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 20.897 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

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PL-01-041819-ADL

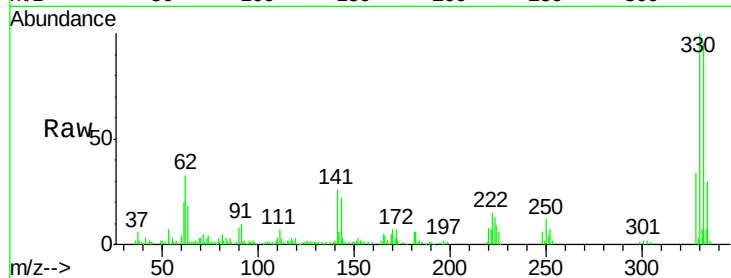
Tot Ion:330 Resp: 70734

Ion Ratio Lower Upper

330 100

332 97.3 77.5 116.3

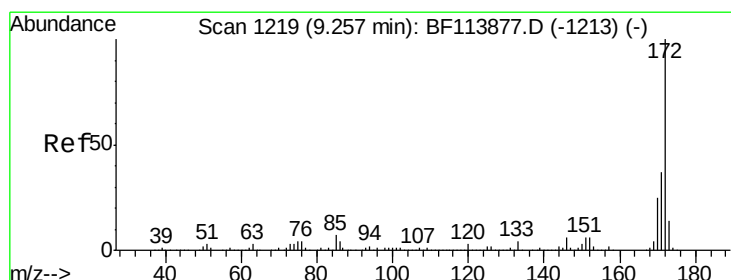
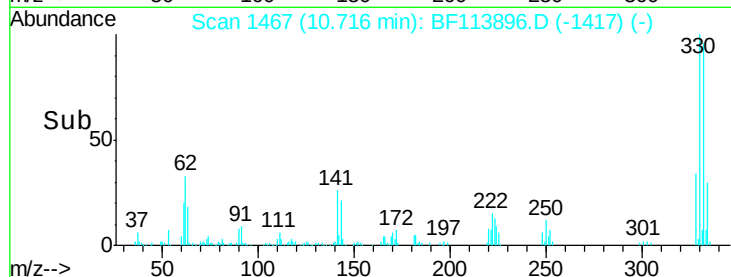
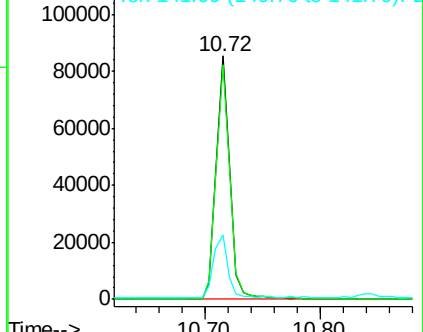
141 28.1 22.2 33.2



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: 14.713 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

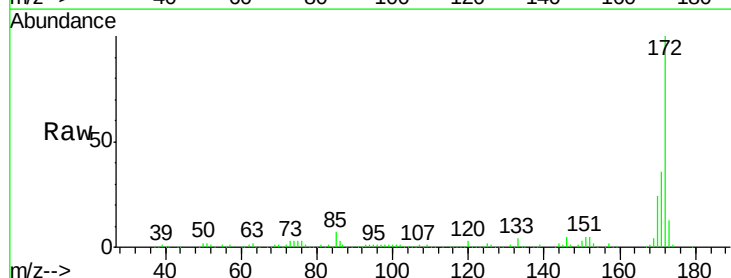
Tgt Ion:172 Resp: 261386

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

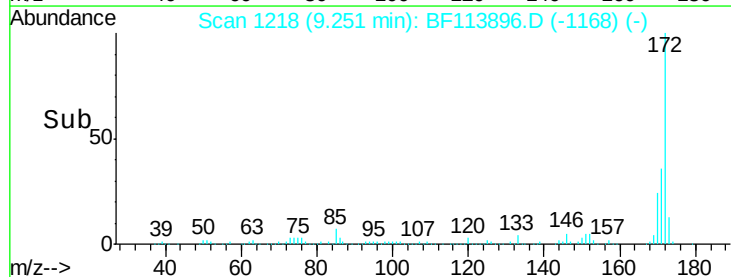
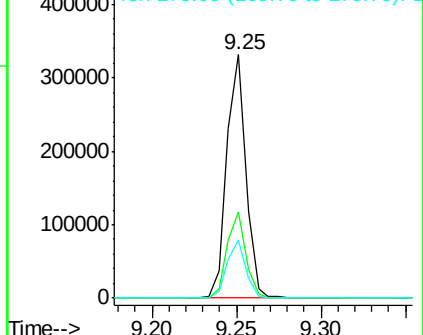
170 23.9 19.9 29.9

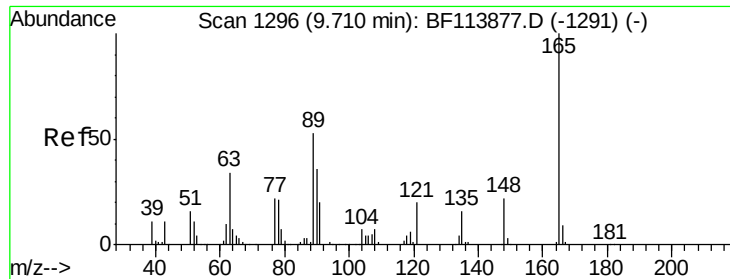


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.676 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113896.D

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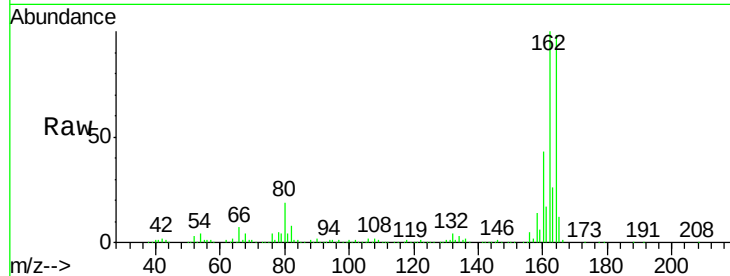
Tot Ion:165 Resp: 37404

Ion Ratio Lower Upper

165 100

63 1.2 33.8 50.8#

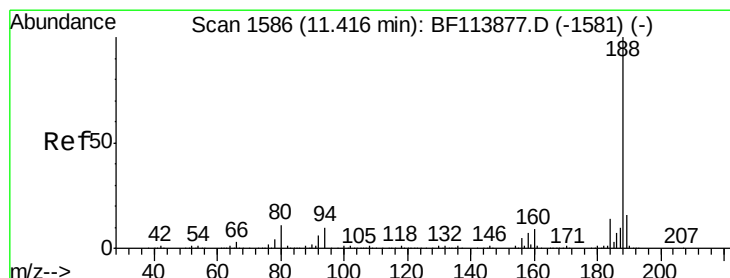
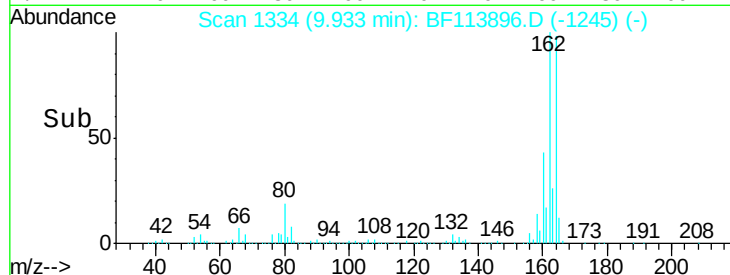
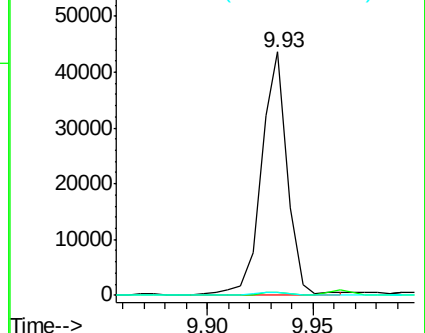
89 1.4 38.2 57.2#



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: BF113896.D

Acq: 22 Apr 2019 23:36

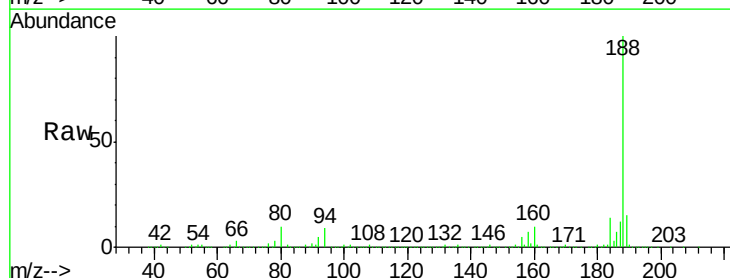
Tgt Ion:188 Resp: 601831

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

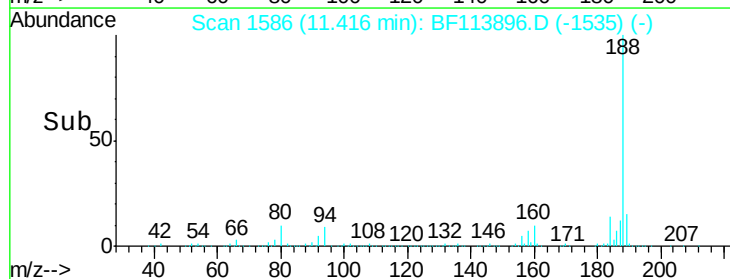
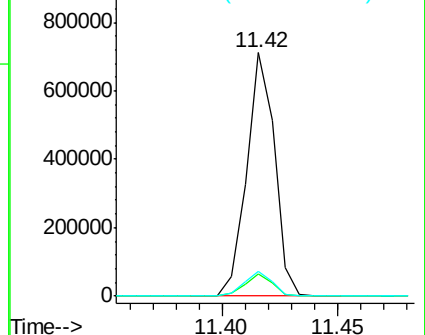
80 10.4 9.0 13.6

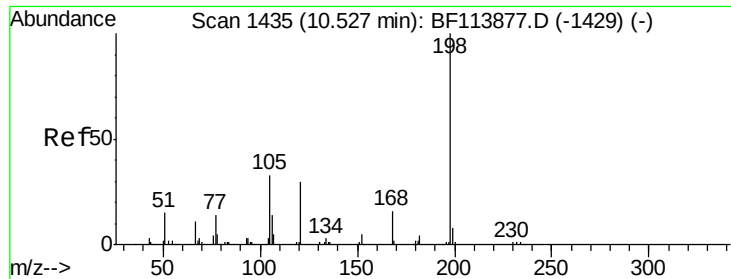


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

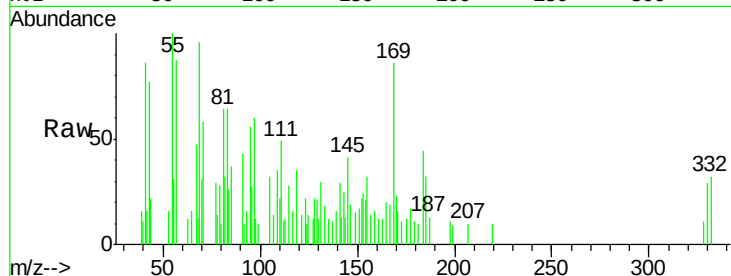




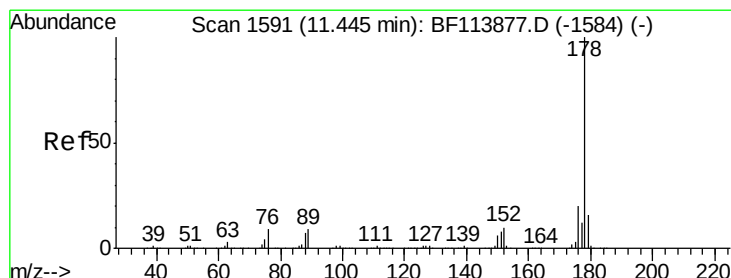
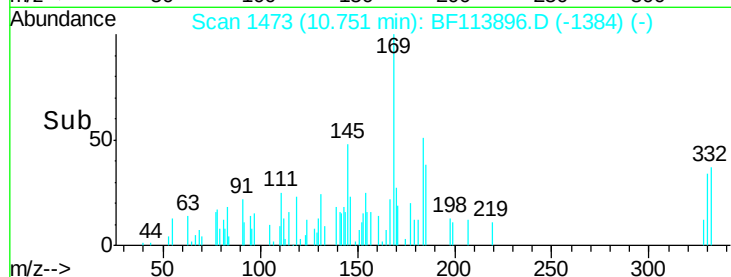
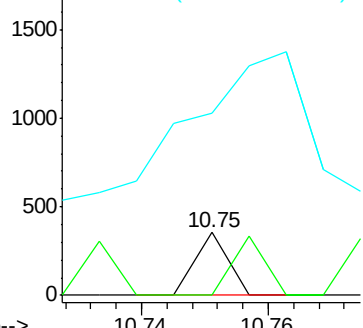
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.347 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.22 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

Tot Ion:198 Resp: 125
 Ion Ratio Lower Upper
 198 100
 51 0.0 11.1 51.1#
 105 289.5 20.7 60.7#

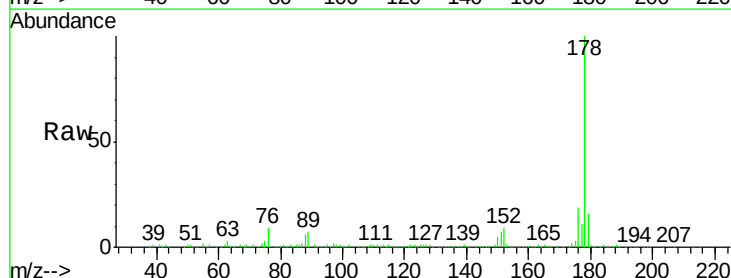


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

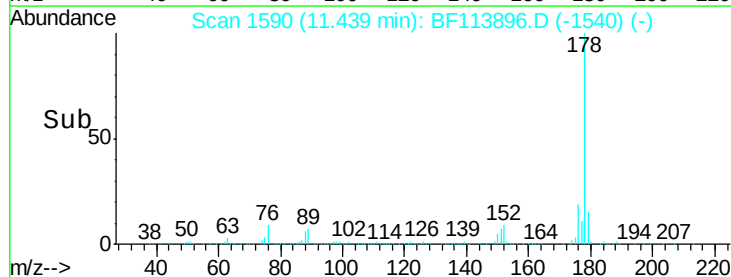
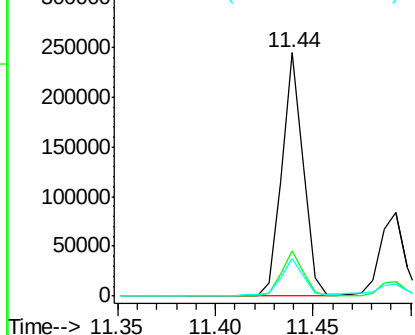


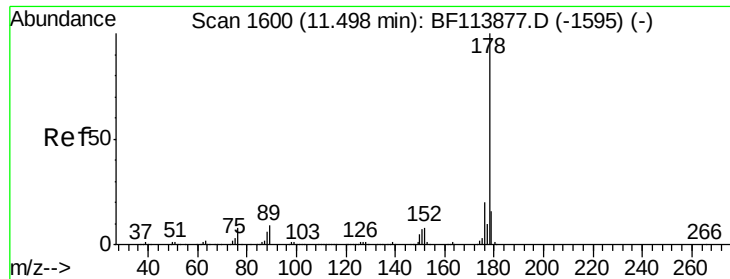
#71
 Phenanthrene
 Concen: 6.163 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Tgt Ion:178 Resp: 186397
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.1 24.1
 179 15.5 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

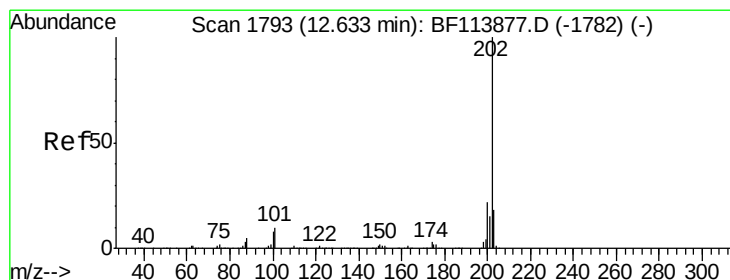
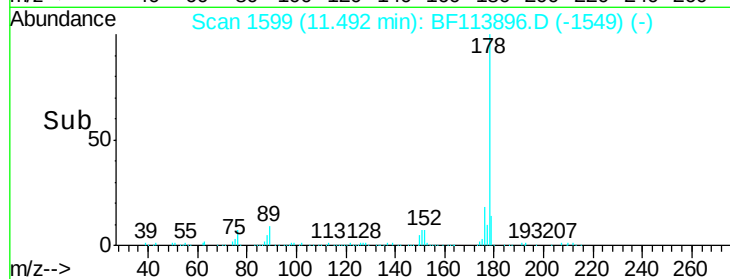
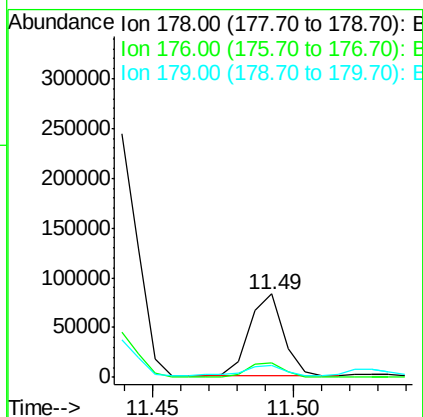
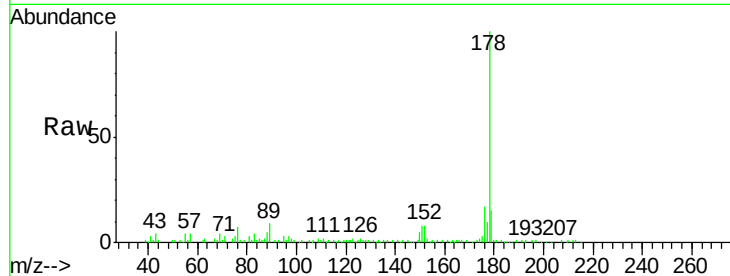




#72
 Anthracene
 Concen: 2.268 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

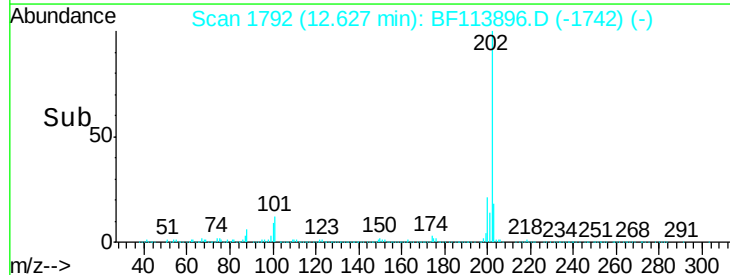
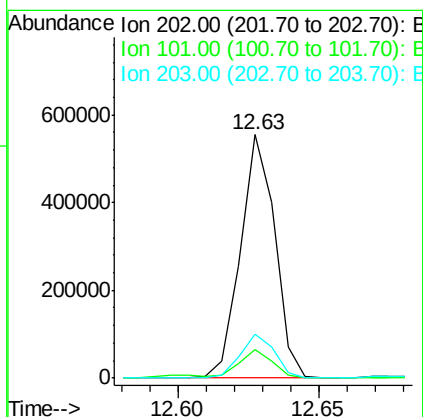
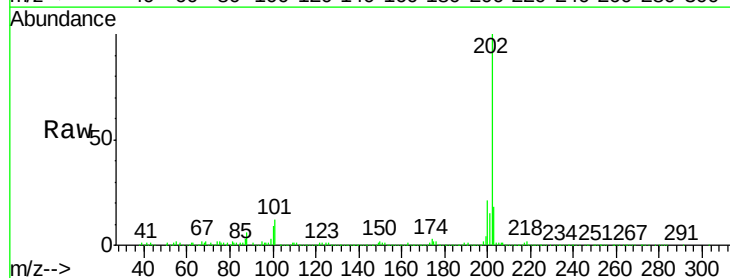
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

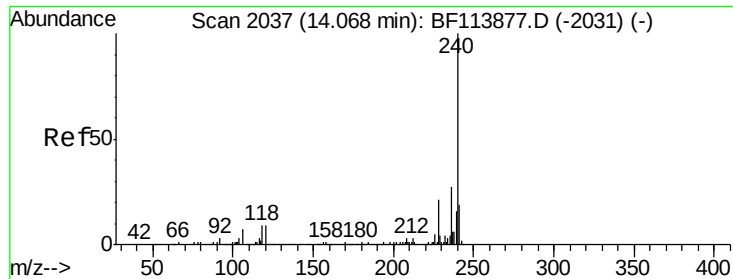
Tot Ion:178 Resp: 69282
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.7 23.5
 179 15.0 13.0 19.4



#75
 Fluoranthene
 Concen: 14.158 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Tgt Ion:202 Resp: 467188
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.9
 203 17.9 0.0 38.2

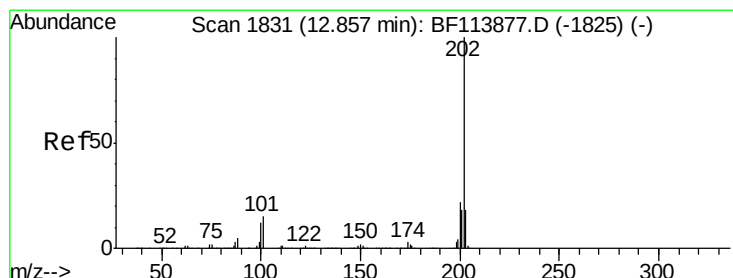
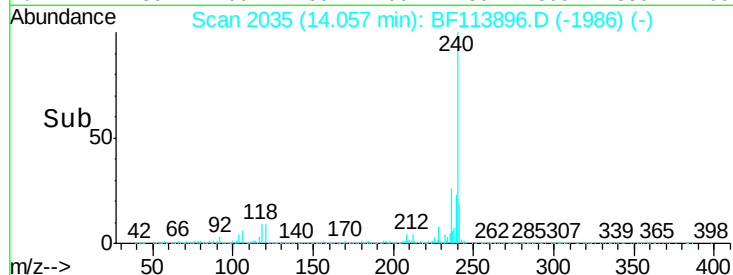
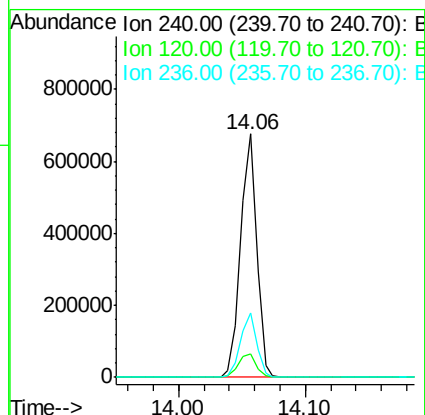
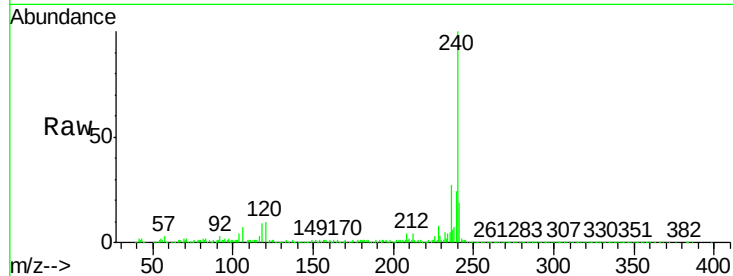




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

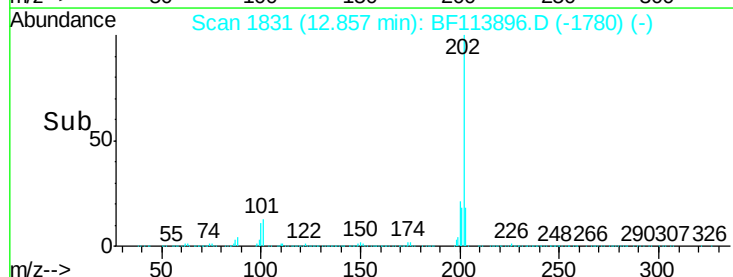
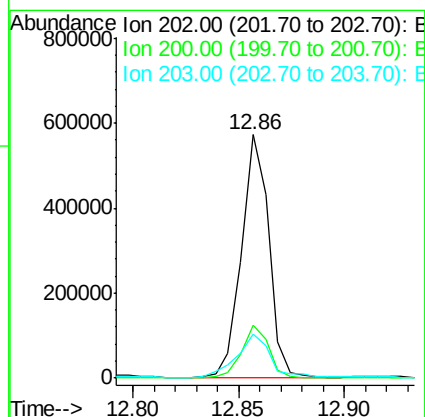
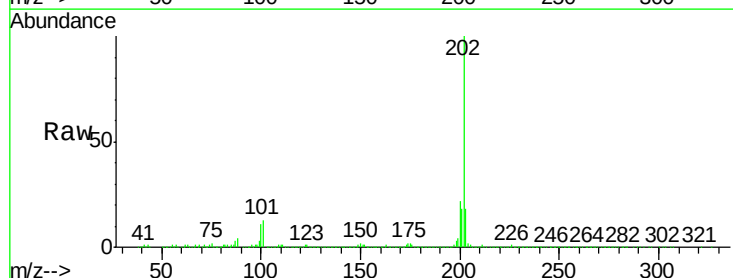
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

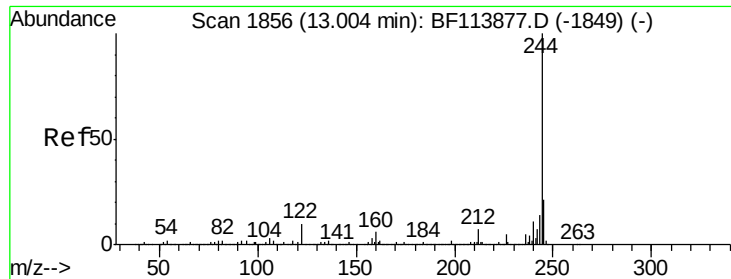
Tot Ion:240 Resp: 585294
Ion Ratio Lower Upper
240 100
120 9.7 9.3 13.9
236 26.6 21.2 31.8



#78
Pyrene
Concen: 12.481 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion:202 Resp: 510861
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.0 15.0 22.6





#79

Terphenyl-d14

Concen: 13.680 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-ADL

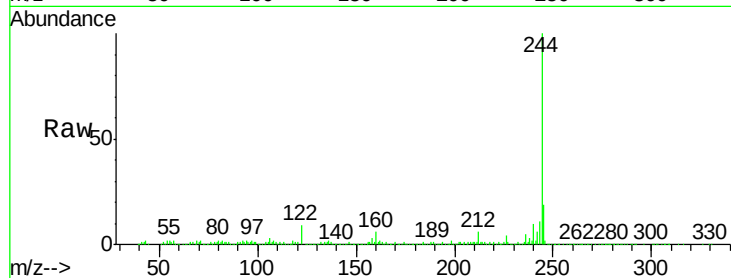
Tot Ion:244 Resp: 390555

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

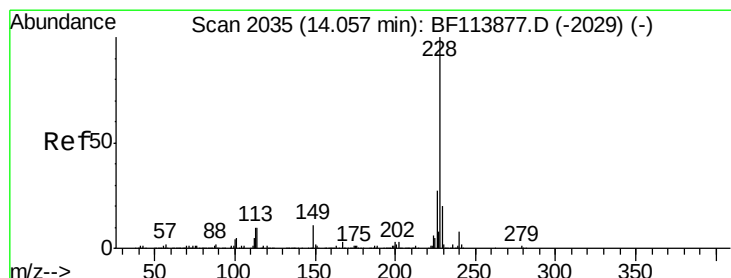
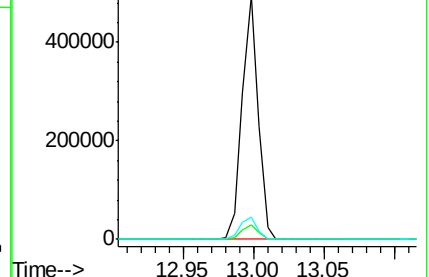
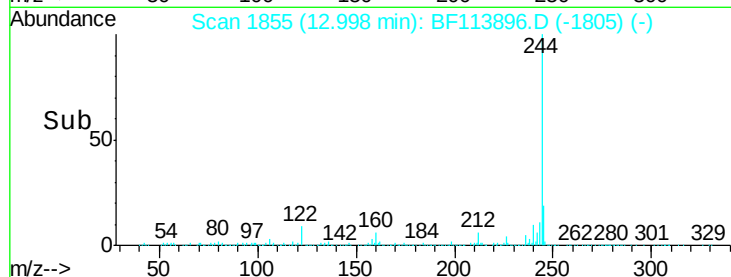
122 9.3 7.6 11.4



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: 8.691 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

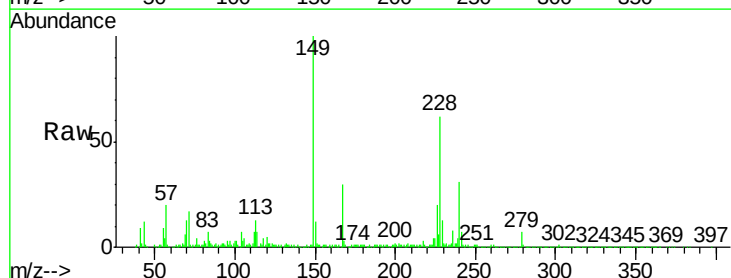
Tgt Ion:228 Resp: 299715

Ion Ratio Lower Upper

228 100

226 31.8 22.2 33.2

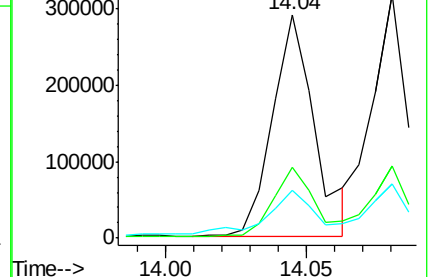
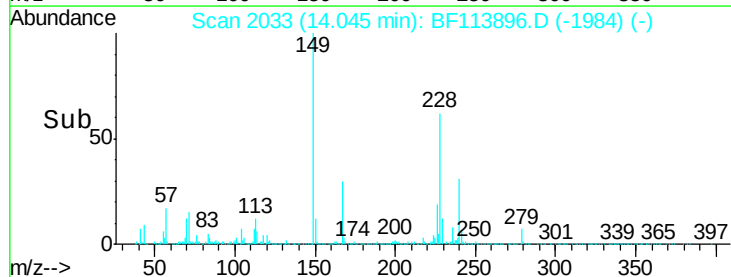
229 21.6 16.0 24.0

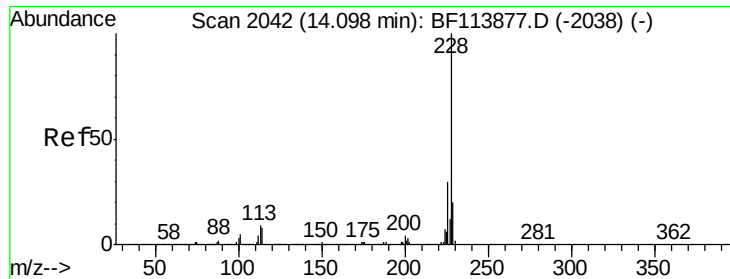


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.042 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-ADL

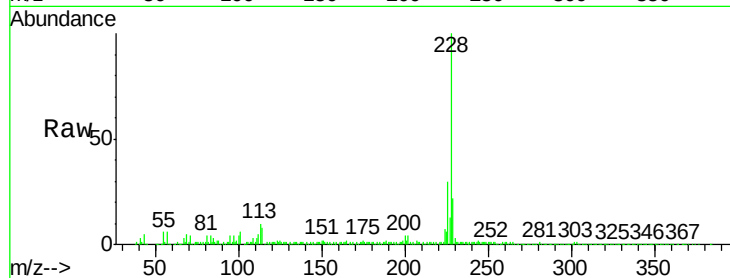
Tot Ion:228 Resp: 270075

Ion Ratio Lower Upper

228 100

226 29.6 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

400000

300000

200000

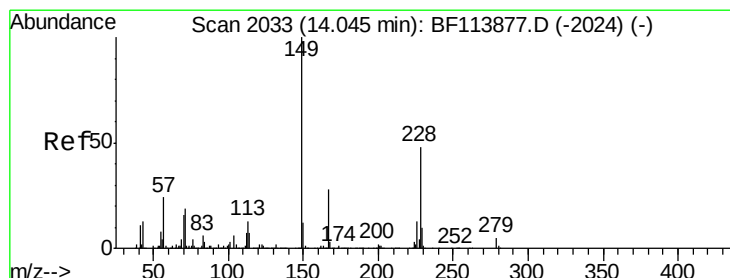
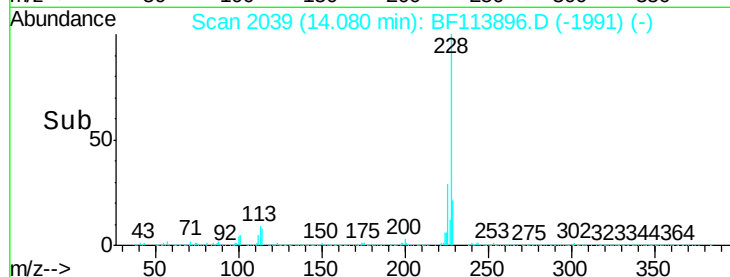
100000

0

14.05

14.10

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.661 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

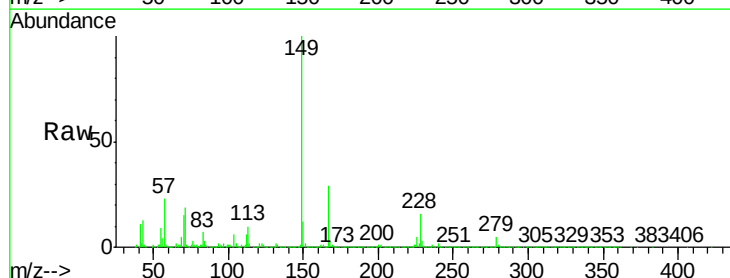
Tgt Ion:149 Resp: 976551

Ion Ratio Lower Upper

149 100

167 28.5 22.9 34.3

279 5.1 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

1500000

1000000

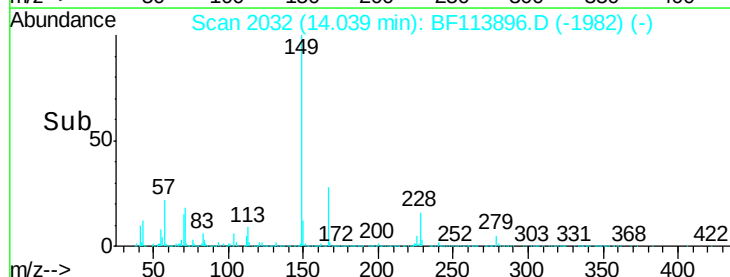
500000

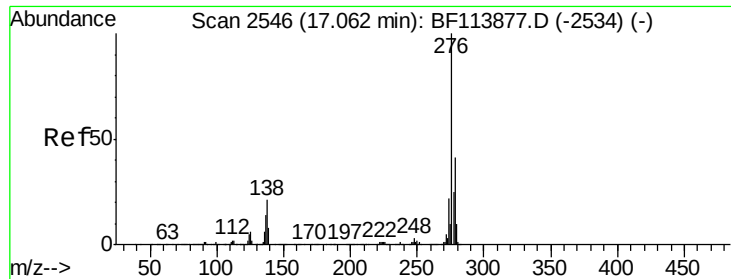
0

14.00

14.05

Time-->

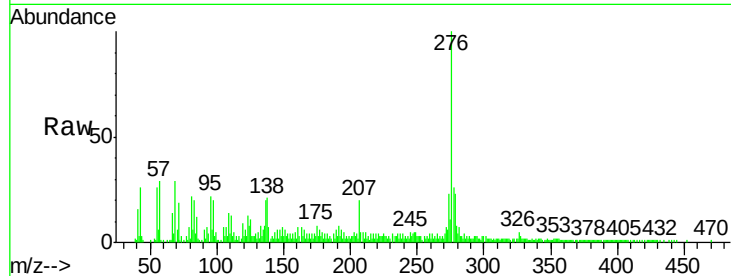




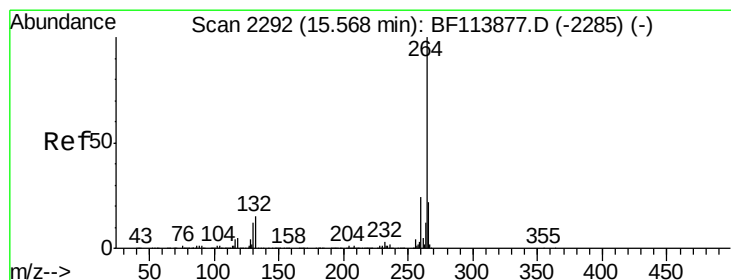
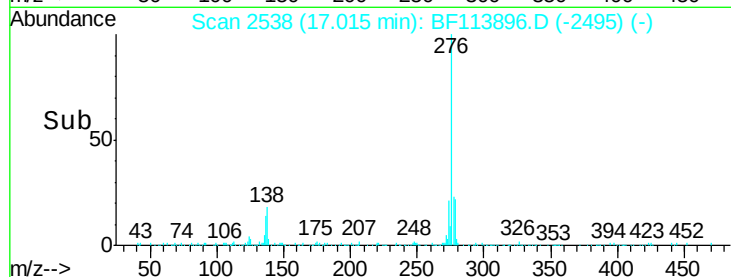
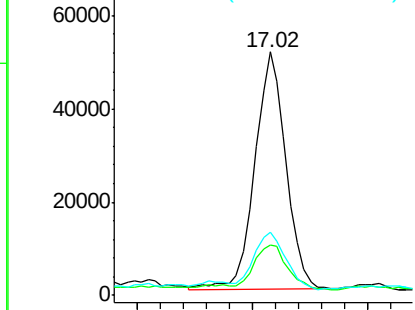
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.993 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.05 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.6	29.4
277	24.1	20.2	30.4

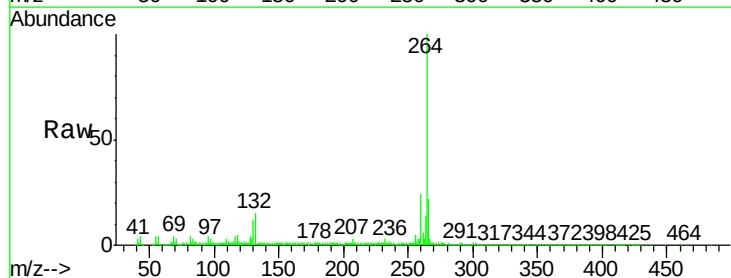


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

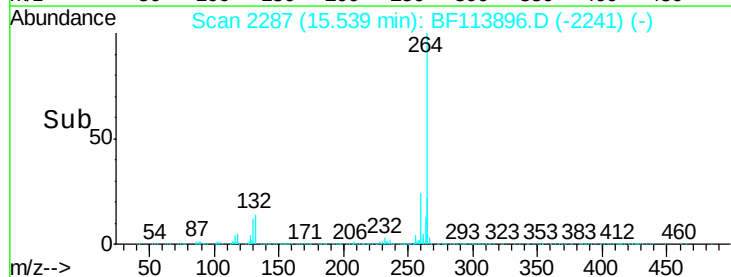
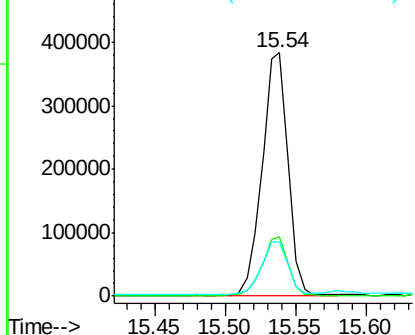


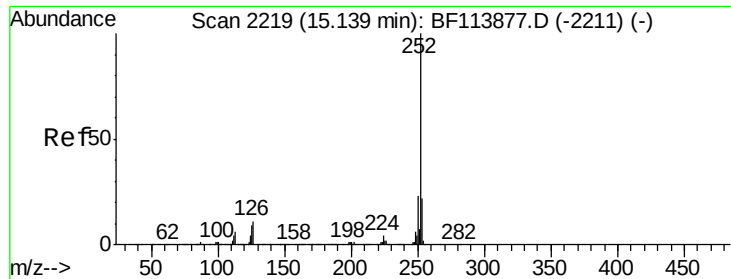
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	22.4	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

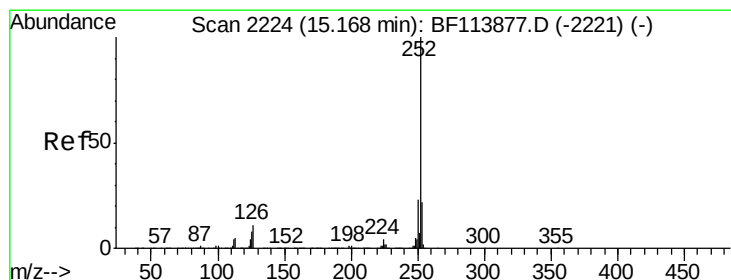
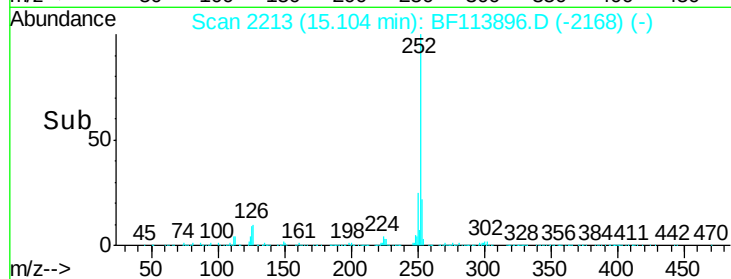
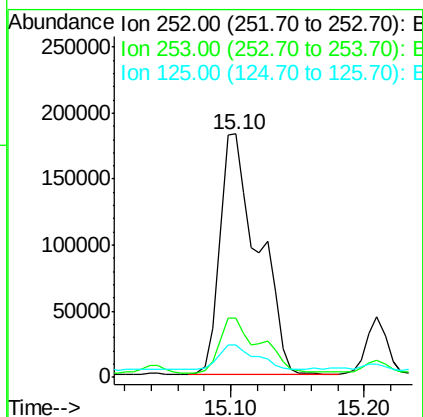
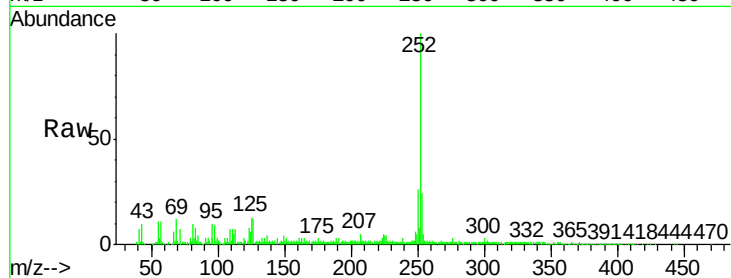




#88
Benzo(b)fluoranthene
Concen: 11.762 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

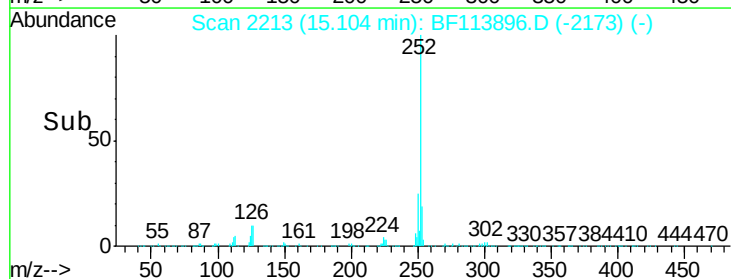
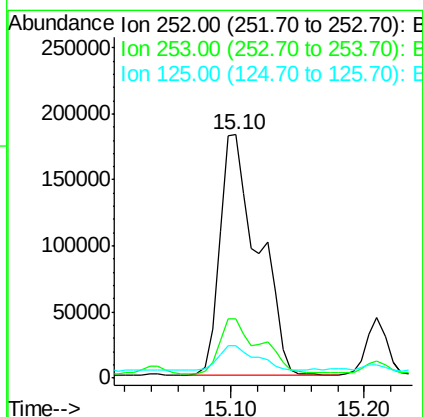
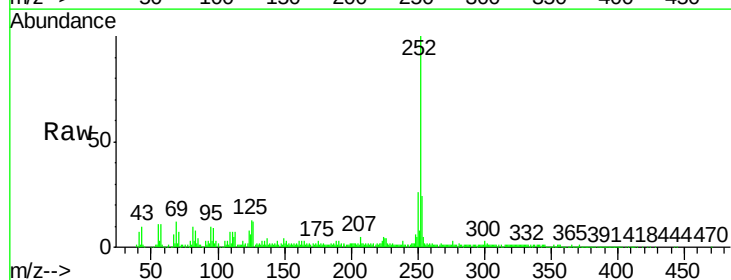
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

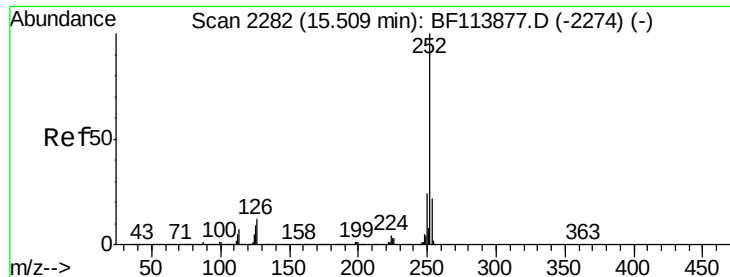
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	13.1	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 13.674 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	13.1	7.4	11.2





#90

Benzo(a)pyrene

Concen: 6.818 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-ADL

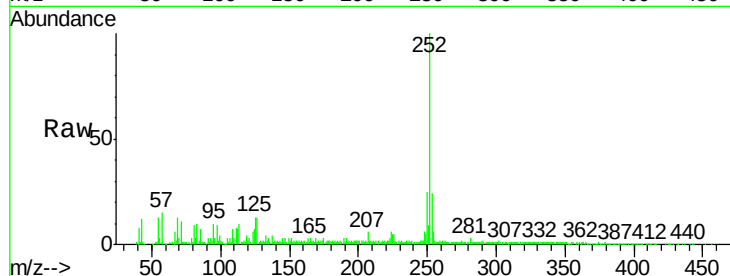
Tot Ion:252 Resp: 183414

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

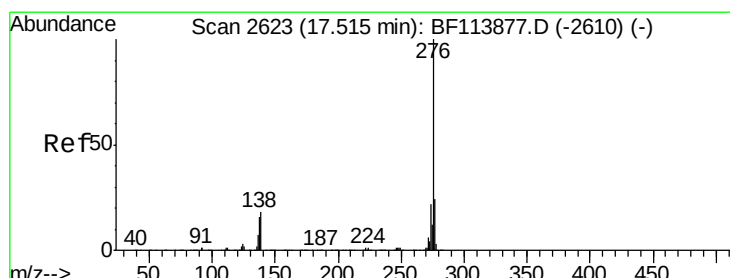
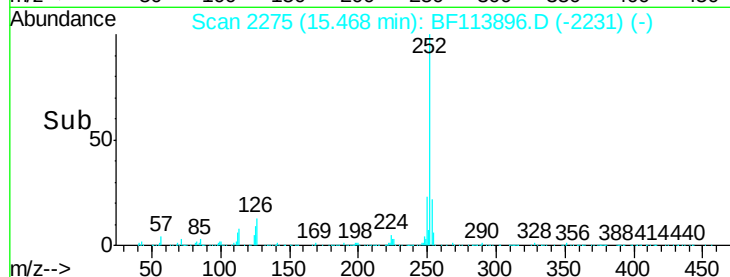
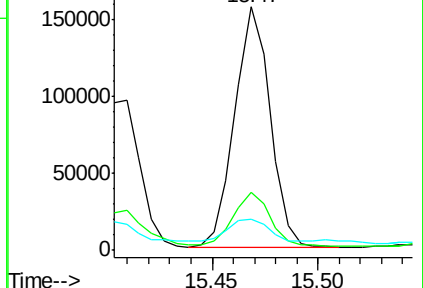
125 12.9 8.5 12.7#



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



#92

Benzo(g,h,i)perylene

Concen: 3.446 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.05 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

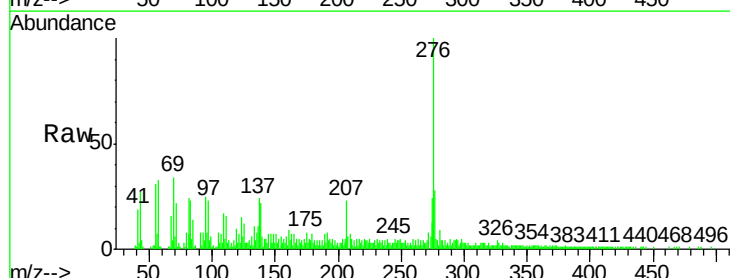
Tgt Ion:276 Resp: 87811

Ion Ratio Lower Upper

276 100

277 27.7 19.0 28.4

138 22.3 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

