

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113899.D
 Acq On : 23 Apr 2019 00:55
 Operator : JU/SJ
 Sample : K2201-05RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 23 03:57:15 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	164421	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	577797	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	284056	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	609114	20.00	ng	0.00
76) Chrysene-d12	14.06	240	575565	20.00	ng	-0.01
87) Perylene-d12	15.54	264	460150	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	428043	44.53	ng	0.00
7) Phenol-d6	6.52	99	523162	43.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	287982	30.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	169213	48.90	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	603020	33.20	ng	0.00
79) Terphenyl-d14	13.00	244	898785	32.01	ng	0.00

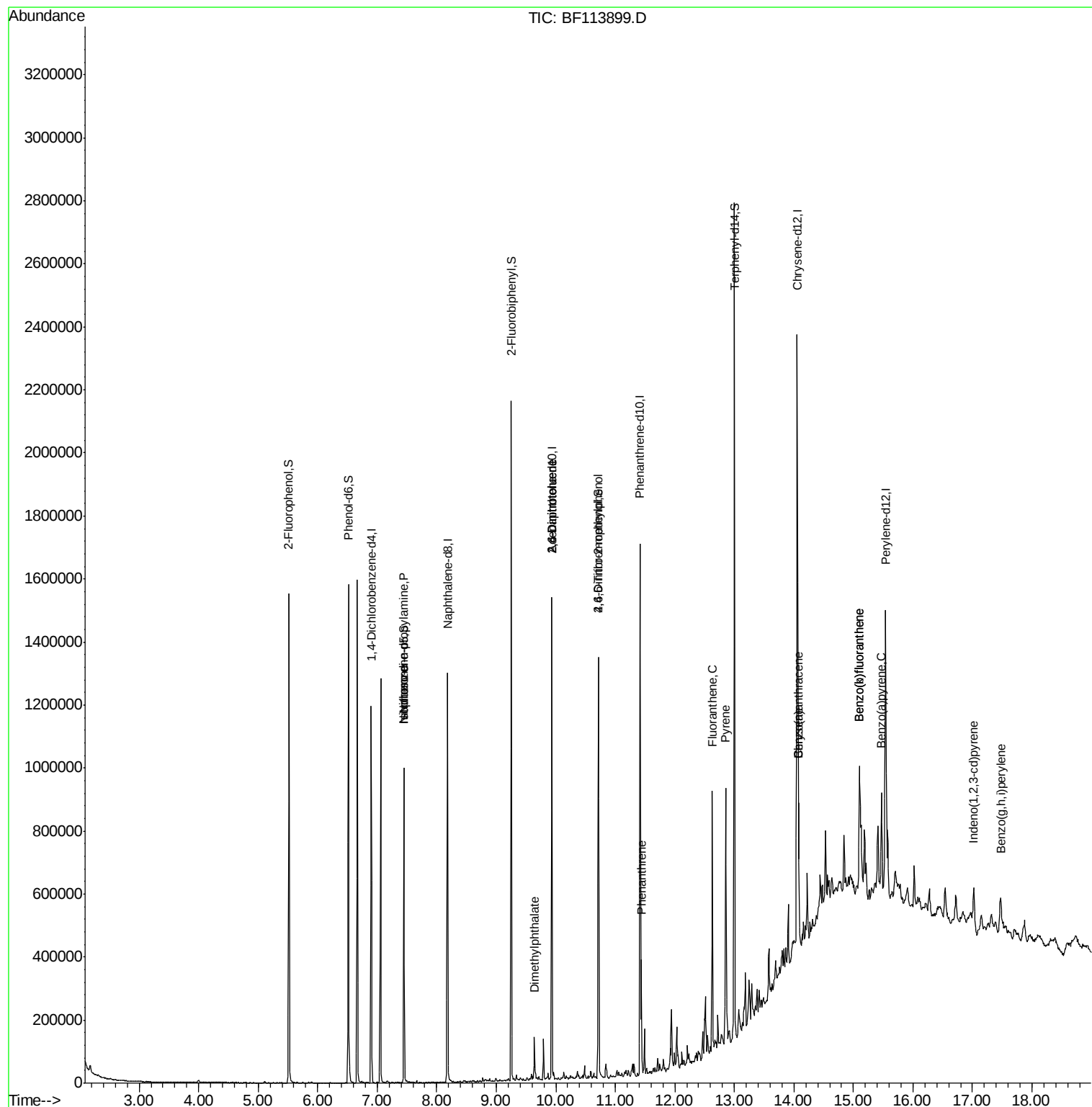
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	757	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	37295	4.775	ng	# 78
25) Isophorone	7.45	82	287977	15.040	ng	# 65
50) Dimethylphthalate	9.64	163	49193	2.395	ng	100
51) 2,6-Dinitrotoluene	9.93	165	37436	8.494	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	37436	6.729	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	251	7.384	ng	# 1
71) Phenanthrene	11.44	178	126253	4.124	ng	98
75) Fluoranthene	12.63	202	323461	9.685	ng	99
78) Pyrene	12.86	202	317012	7.876	ng	98
81) Benzo(a)anthracene	14.08	228	178485	5.263	ng	97
83) Chrysene	14.08	228	178485	5.404	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	88244	2.821	ng	# 94
88) Benzo(b)fluoranthene	15.10	252	291444	10.011	ng	# 95
89) Benzo(k)fluoranthene	15.10	252	291444	11.638	ng	# 96
90) Benzo(a)pyrene	15.47	252	148356	5.891	ng	97
92) Benzo(a,h,i)perylene	17.47	276	80120	3.359	ng	95

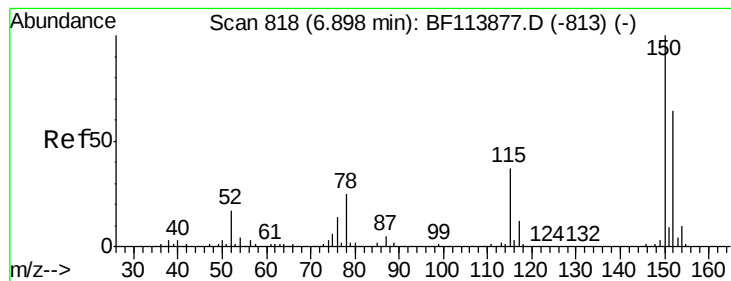
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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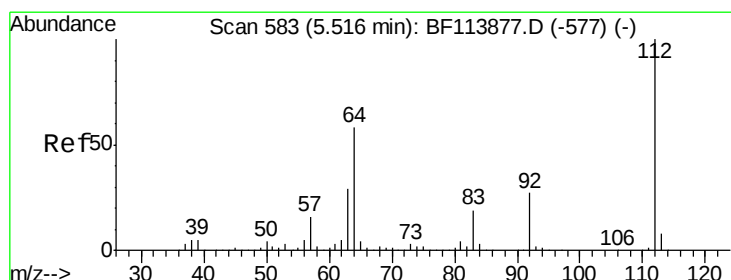
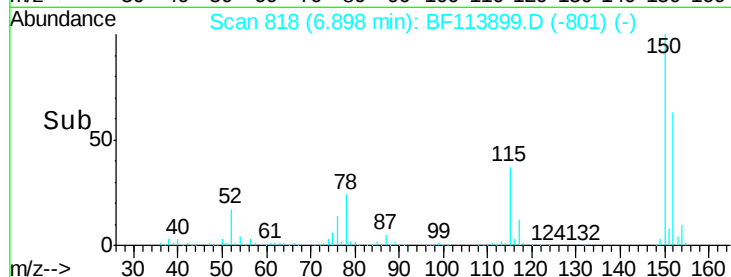
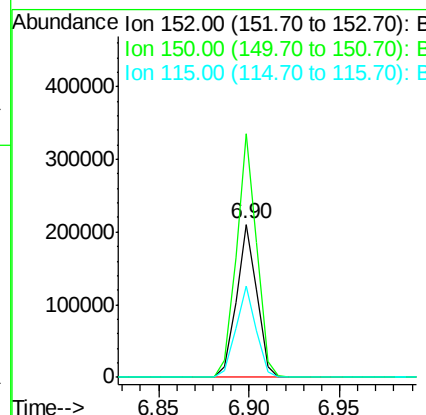
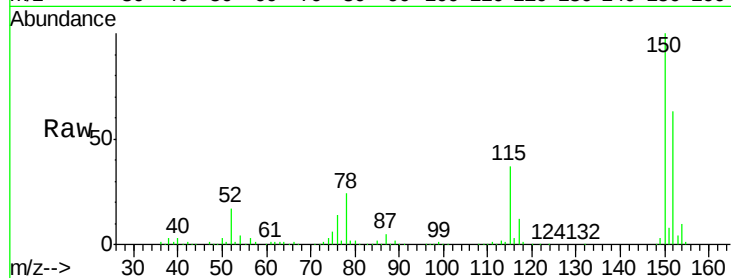


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

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

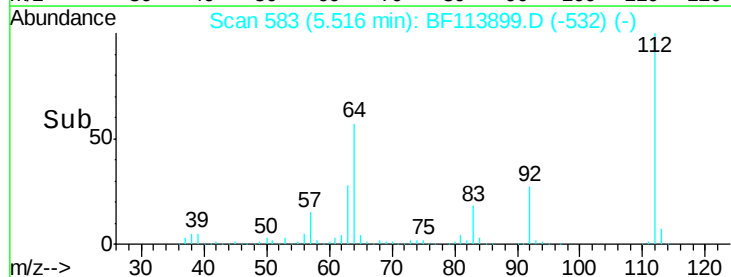
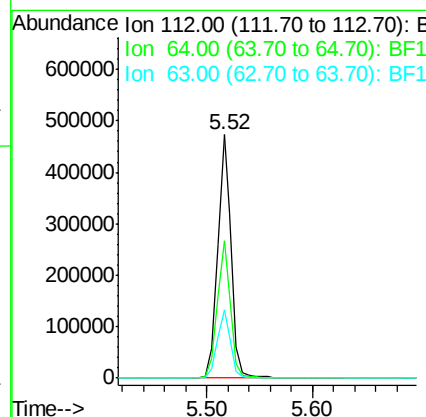
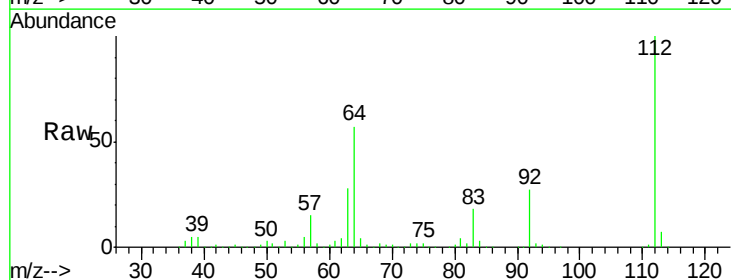
Tot Ion:152 Resp: 164421
Ion Ratio Lower Upper
152 100
150 158.8 125.9 188.9
115 59.2 45.9 68.9

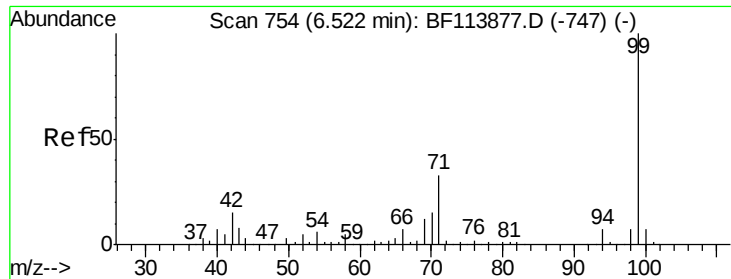


#5

2-Fluorophenol
Concen: 44.526 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

Tgt Ion:112 Resp: 428043
Ion Ratio Lower Upper
112 100
64 56.7 46.6 69.8
63 28.0 23.1 34.7

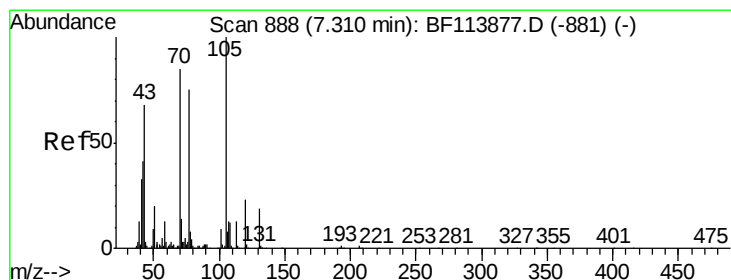
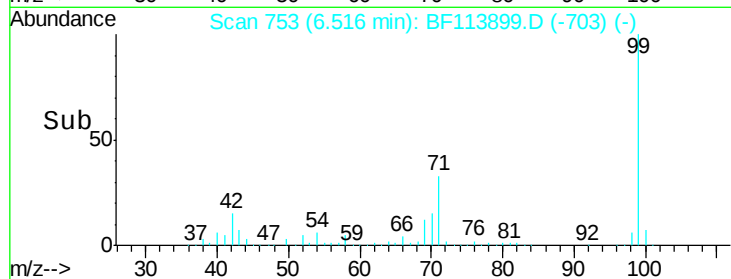
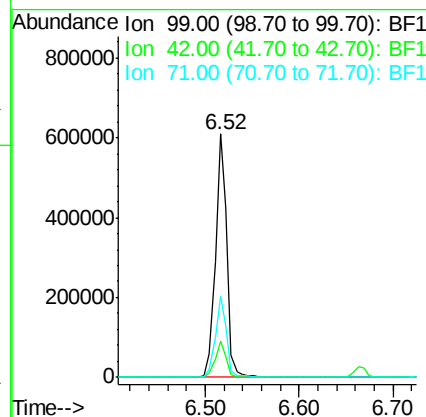
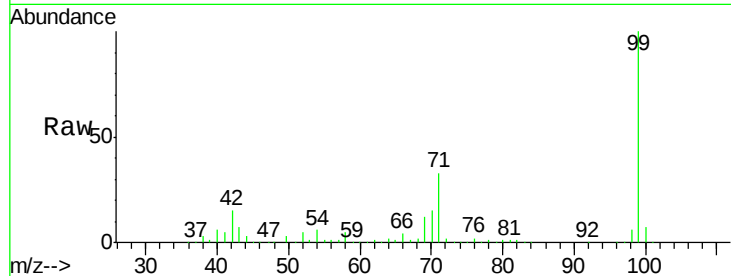




#7
 Phenol-d6
 Concen: 43.376 ng
 RT: 6.52 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

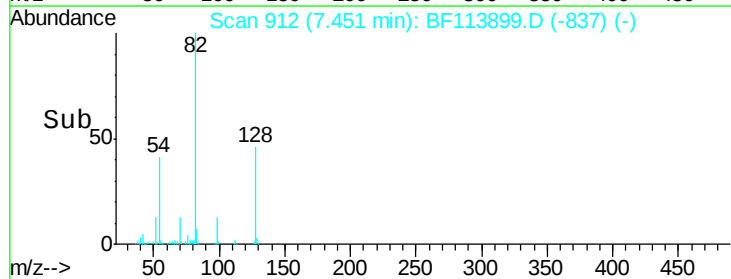
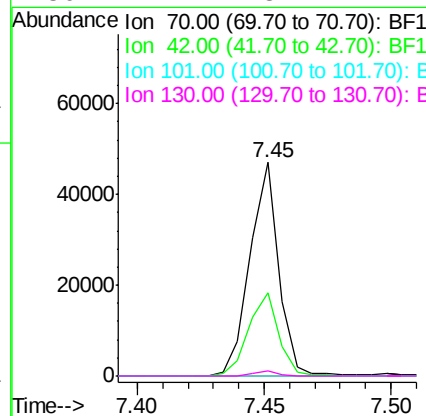
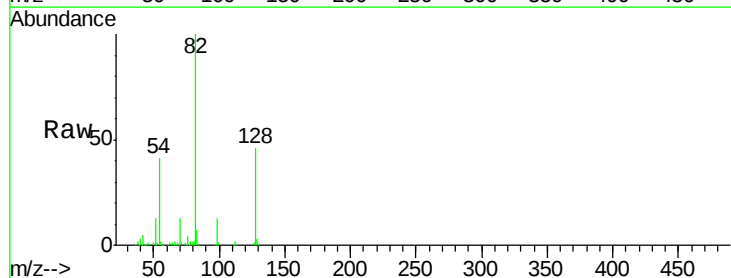
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-C

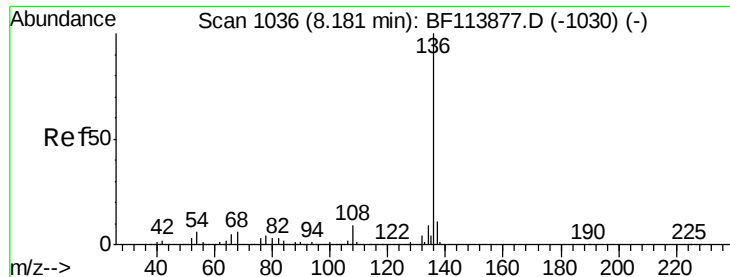
Tot Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.5	18.7
71	33.2	26.9	40.3



#19
 n-Nitroso-di-n-propylamine
 Concen: 4.775 ng
 RT: 7.45 min Scan# 912
 Delta R.T. 0.14 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.1	37.3	55.9
101	0.0	7.8	11.8#
130	2.4	18.2	27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-C

Tot Ion:136 Resp: 577797

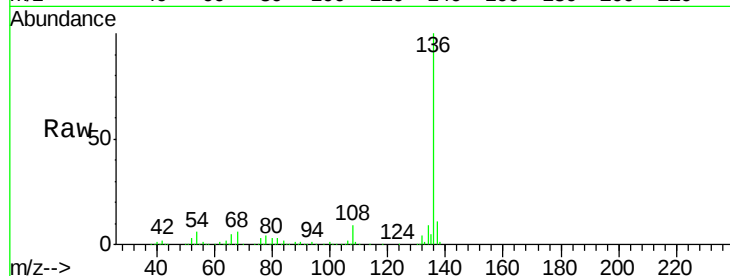
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.1 5.0 7.6

68 5.8 4.9 7.3

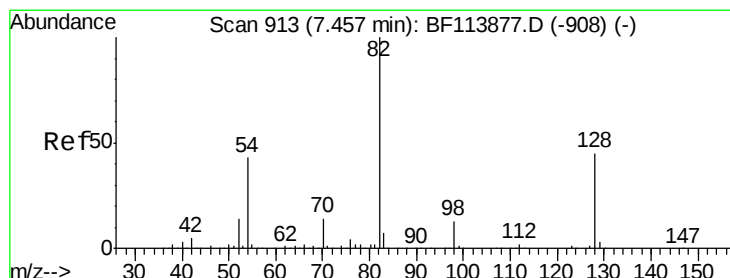
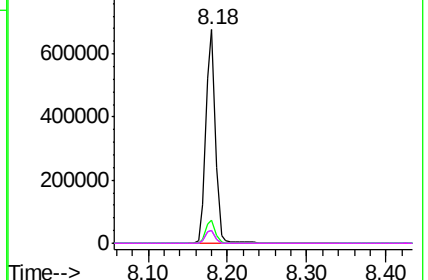
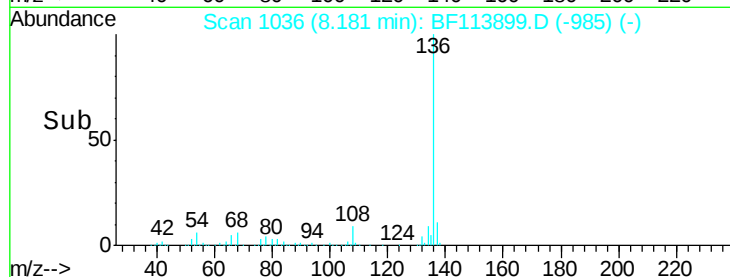


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.774 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

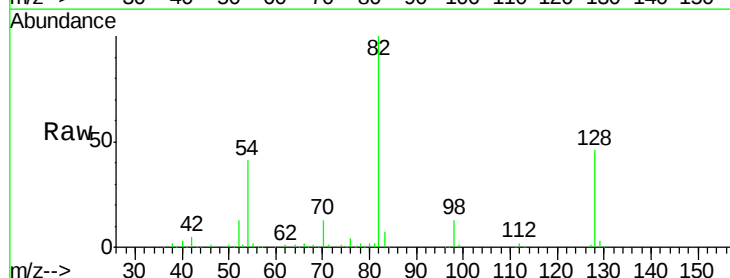
Tgt Ion: 82 Resp: 287982

Ion Ratio Lower Upper

82 100

128 46.3 36.8 55.2

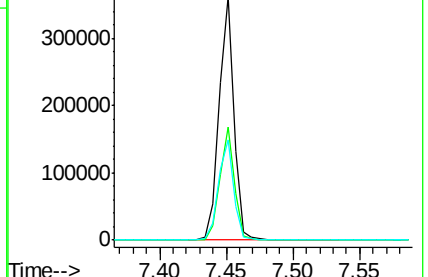
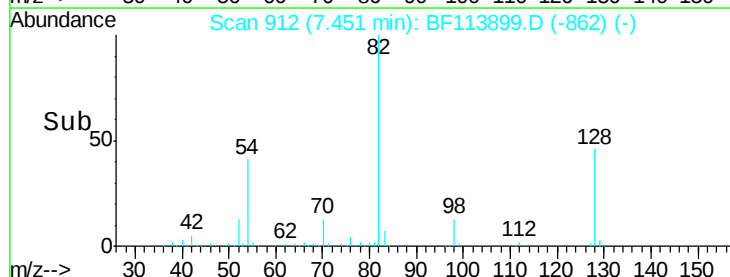
54 41.4 33.8 50.6



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: 15.040 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

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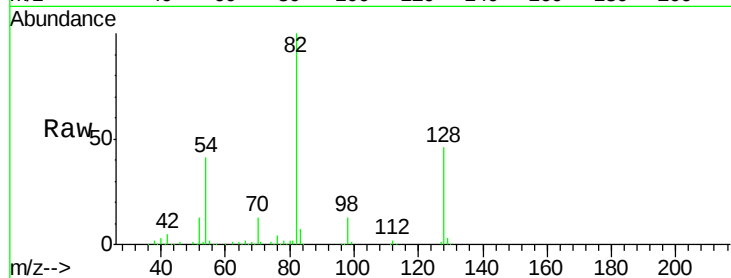
Tot Ion: 82 Resp: 287977

Ion Ratio Lower Upper

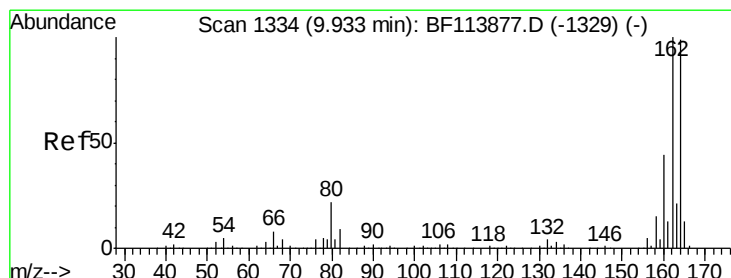
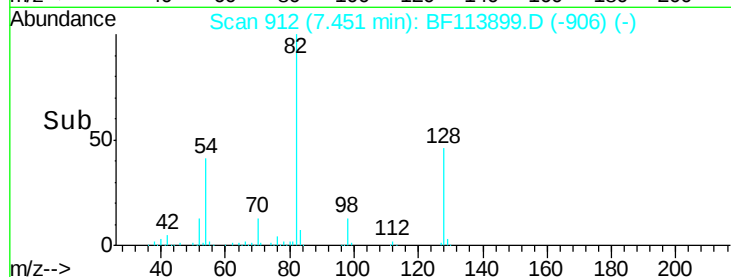
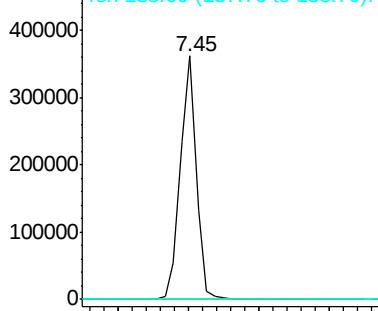
82 100

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: BF113899.D

Acq: 23 Apr 2019 00:55

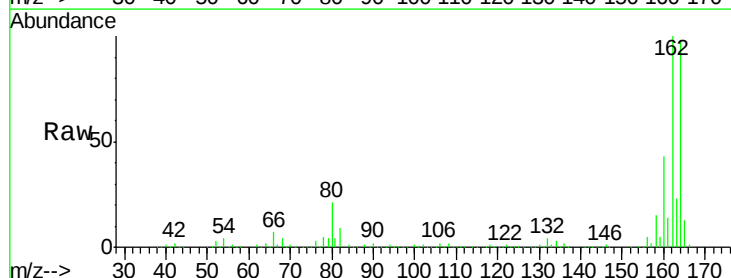
Tgt Ion:164 Resp: 284056

Ion Ratio Lower Upper

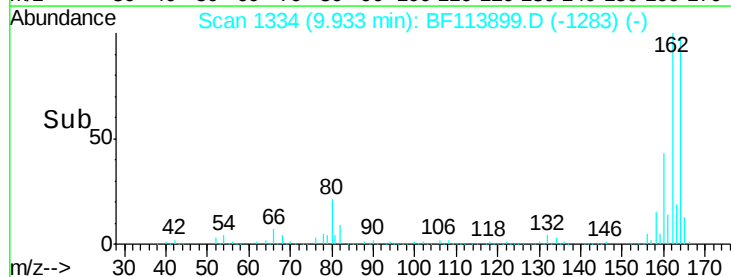
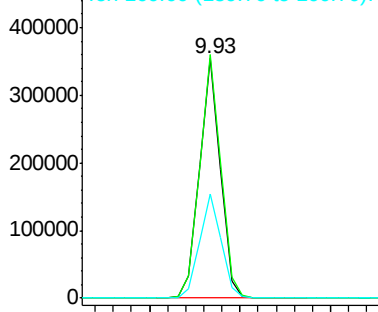
164 100

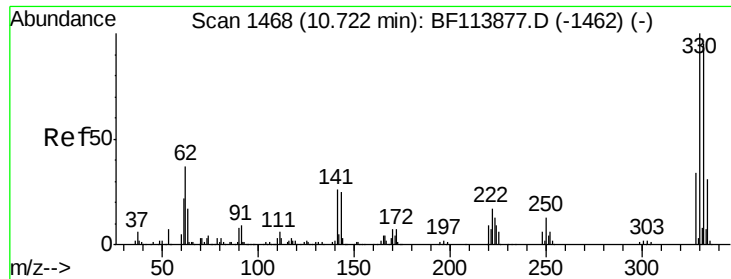
162 101.7 81.1 121.7

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

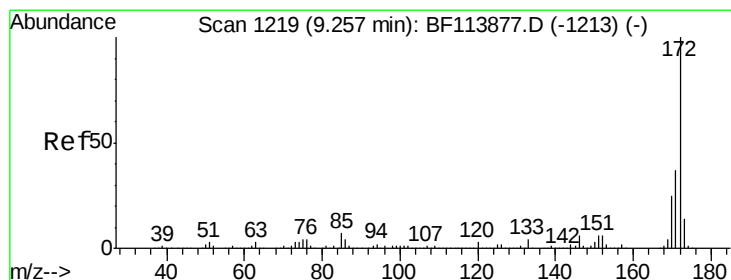
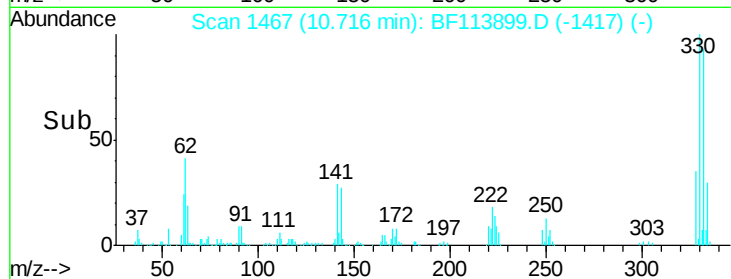
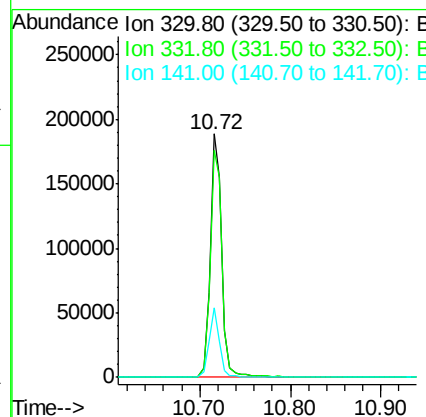
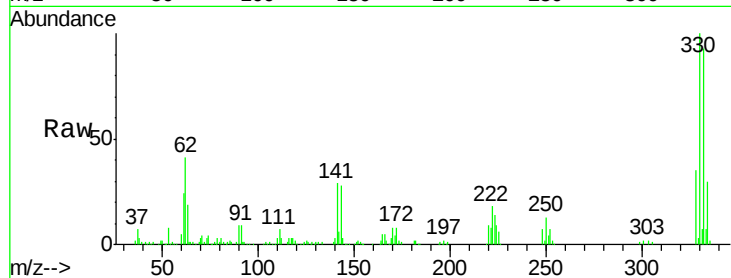




#42
 2,4,6-Tribromophenol
 Concen: 48.900 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

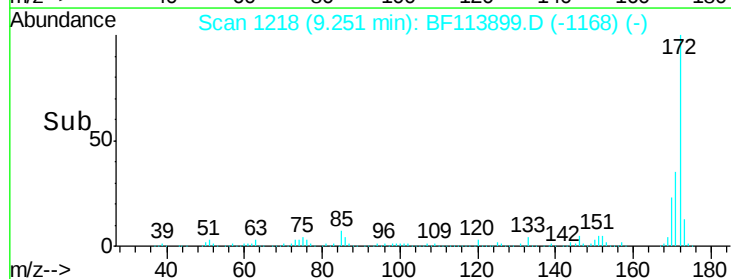
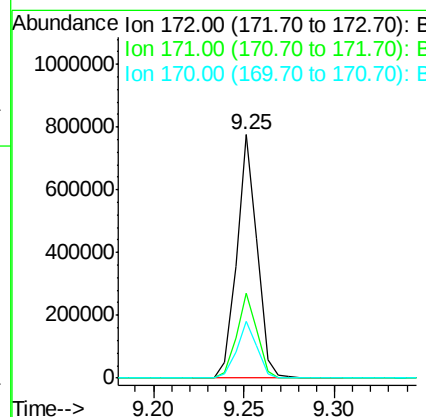
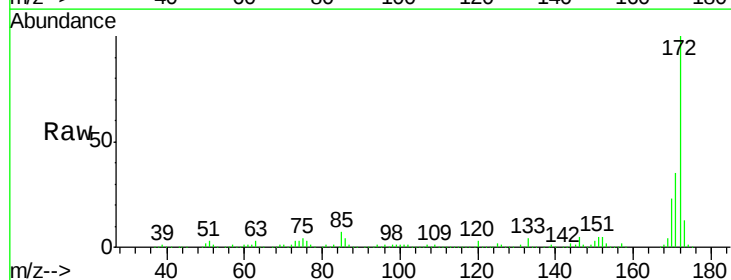
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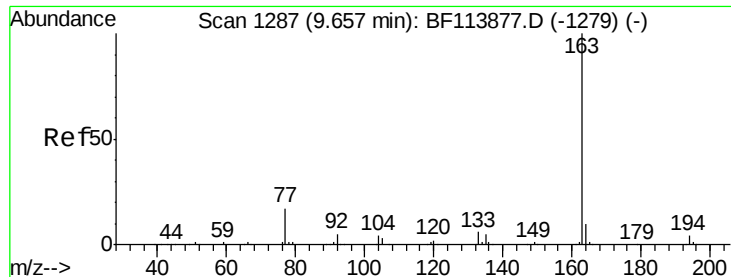
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	26.5	22.2	33.2



#45
 2-Fluorobiphenyl
 Concen: 33.203 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	23.4	19.9	29.9





#50

Dimethylphthalate

Concen: 2.395 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-C

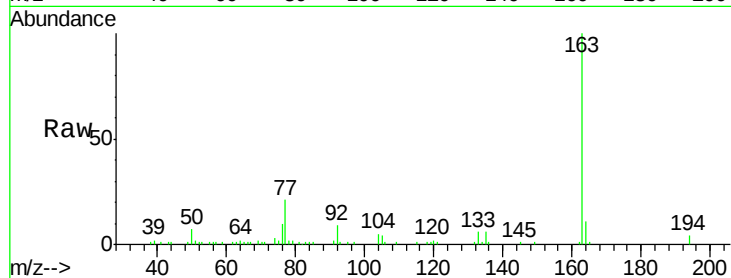
Tot Ion:163 Resp: 49193

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

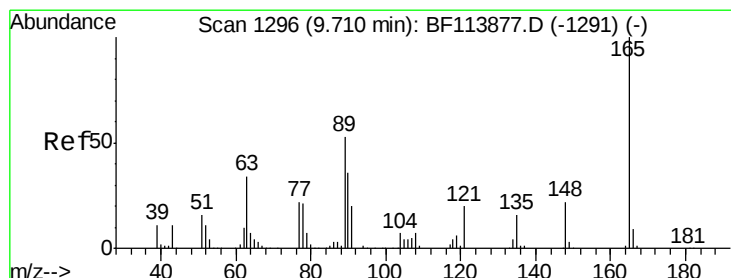
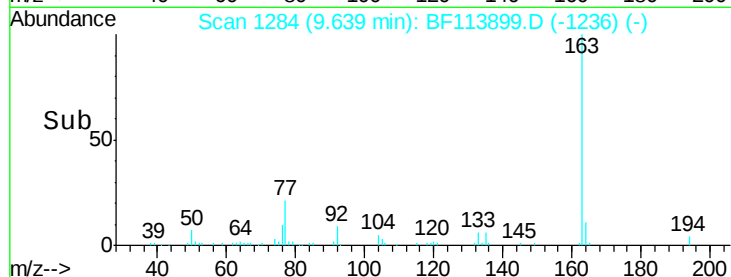
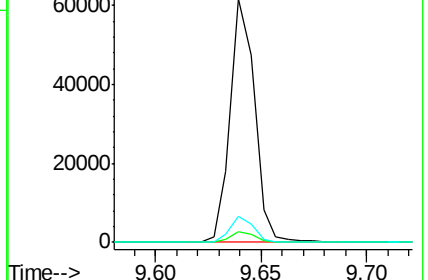
164 10.8 8.5 12.7



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: 8.494 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

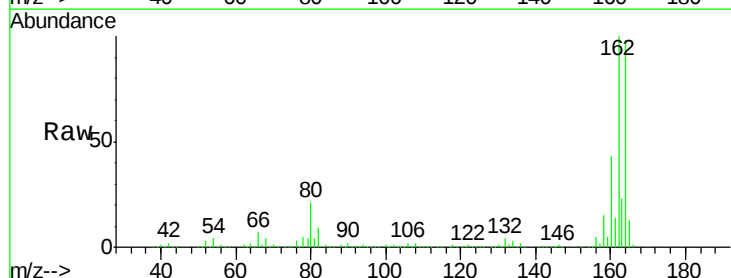
Tgt Ion:165 Resp: 37436

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

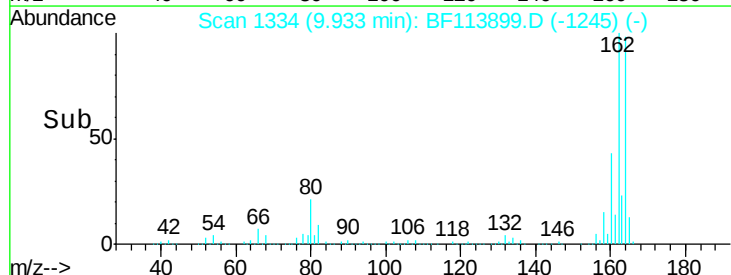
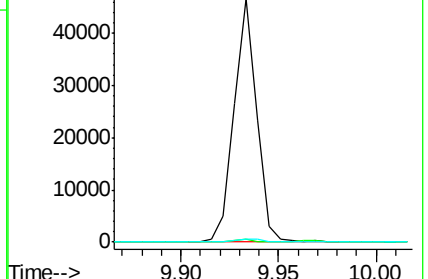
89 1.3 38.2 57.2#

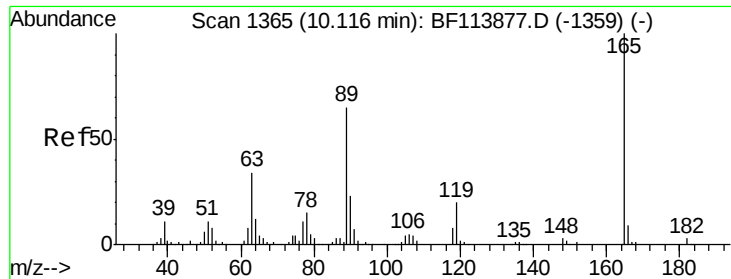


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

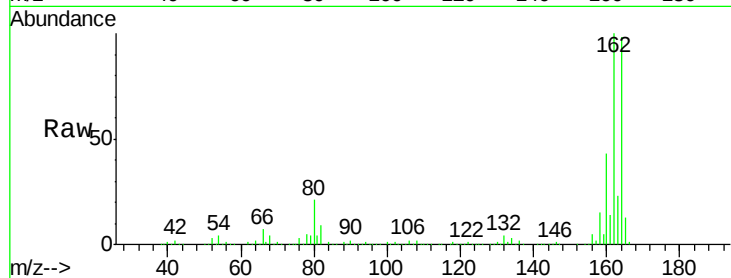




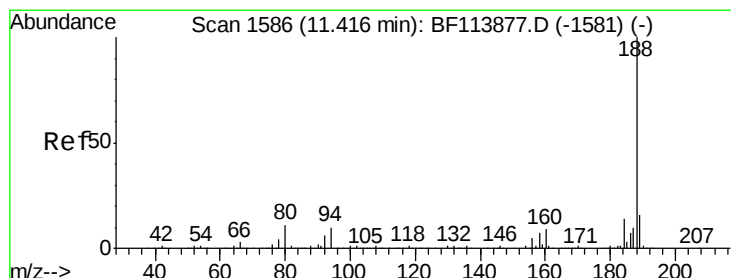
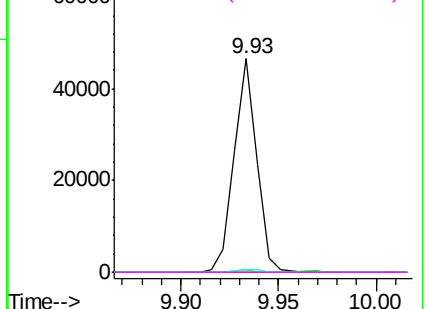
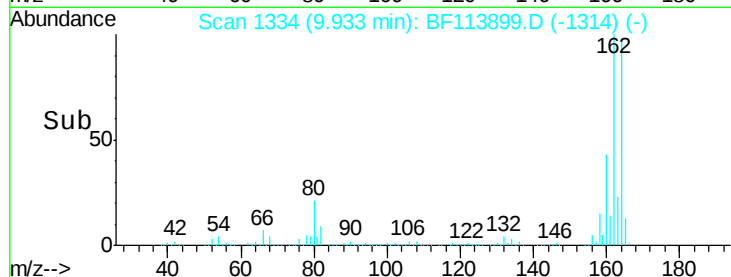
#57
 2,4-Dinitrotoluene
 Concen: 6.729 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

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

Tot Ion:165 Resp: 37436
 Ion Ratio Lower Upper
 165 100
 63 1.1 27.4 41.0#
 89 1.3 51.8 77.6#
 182 0.0 2.2 3.2#

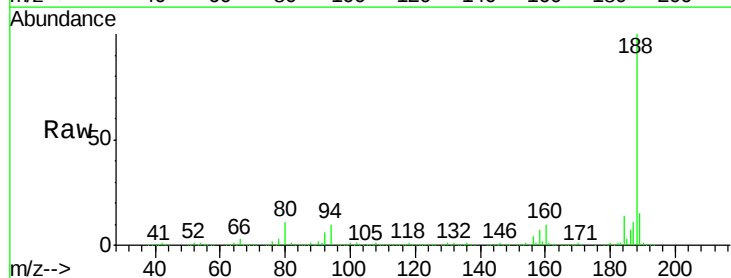


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

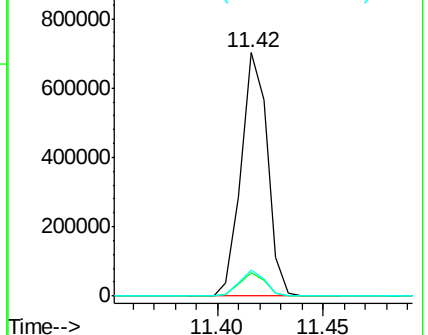
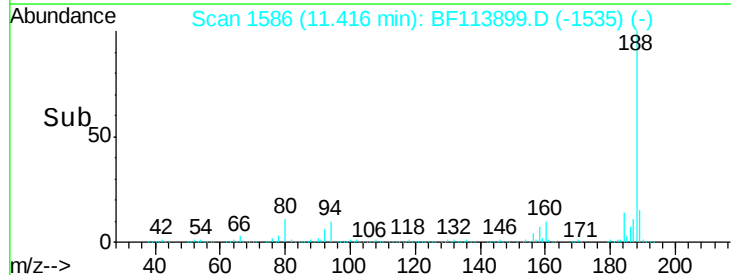


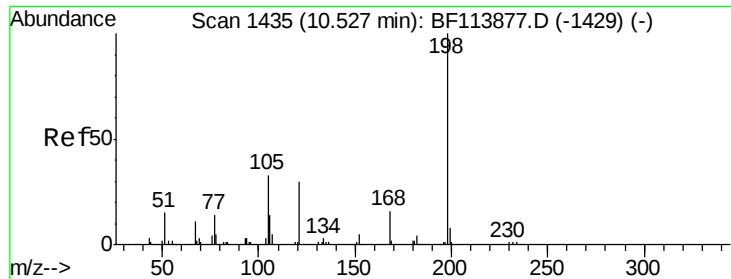
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

Tgt Ion:188 Resp: 609114
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.2 12.4
 80 10.8 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: 7.384 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-C

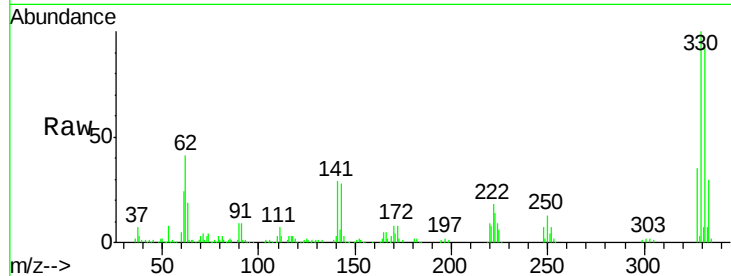
Tot Ion:198 Resp: 251

Ion Ratio Lower Upper

198 100

51 161.7 11.1 51.1#

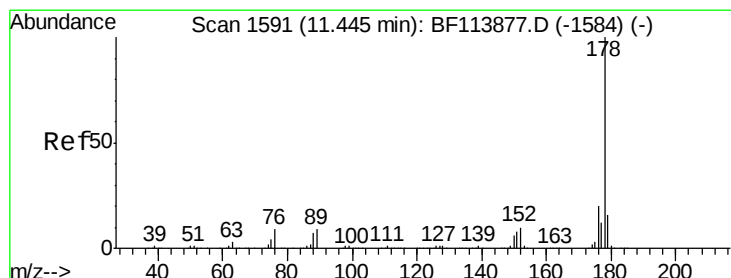
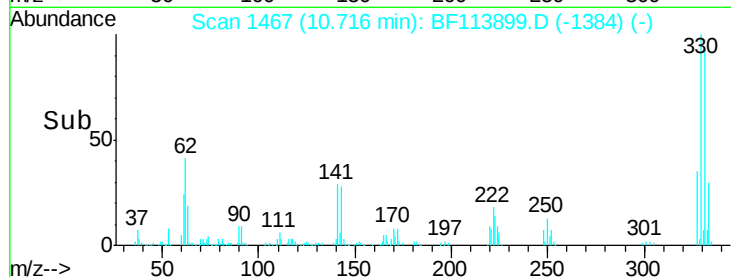
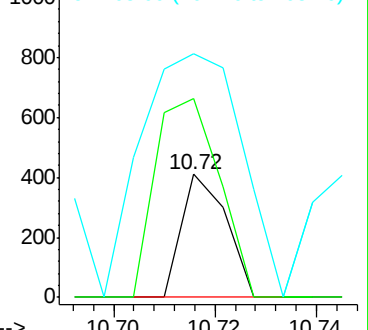
105 198.0 20.7 60.7#



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: 4.124 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

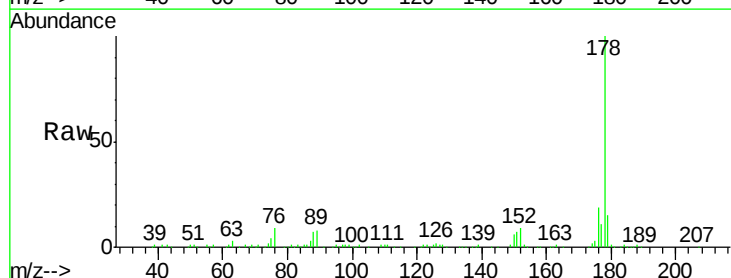
Tgt Ion:178 Resp: 126253

Ion Ratio Lower Upper

178 100

176 19.2 16.1 24.1

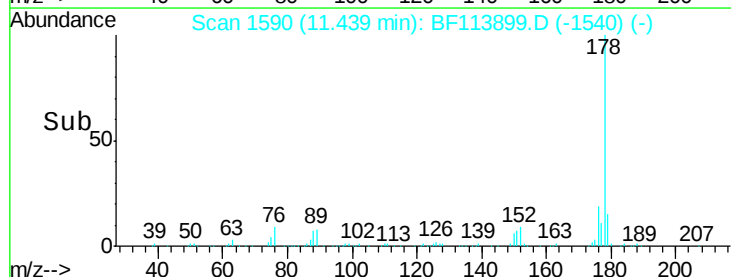
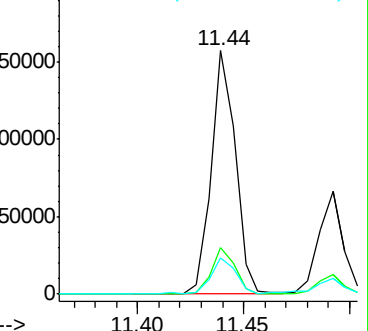
179 14.8 12.8 19.2

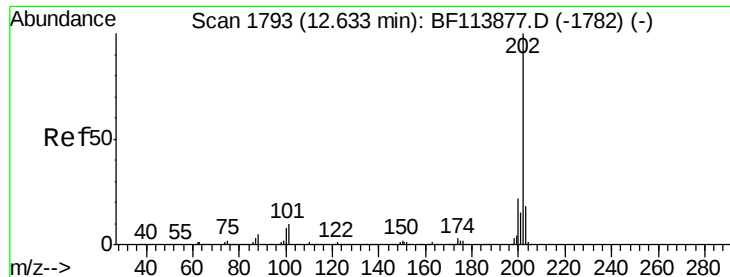


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.685 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-C

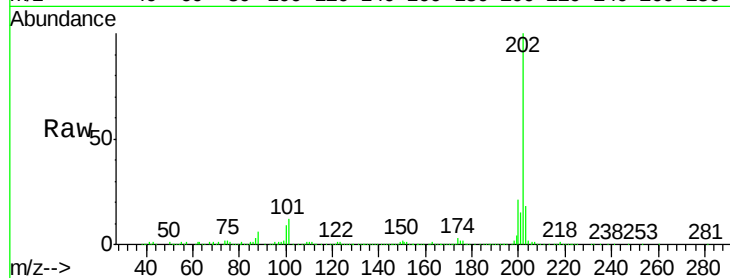
Tot Ion:202 Resp: 323461

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.9

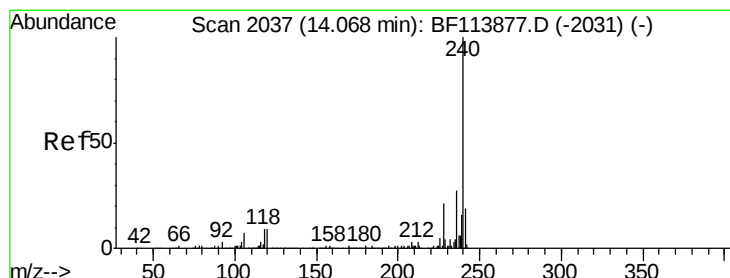
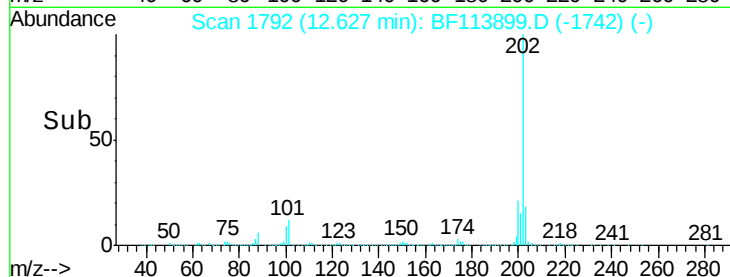
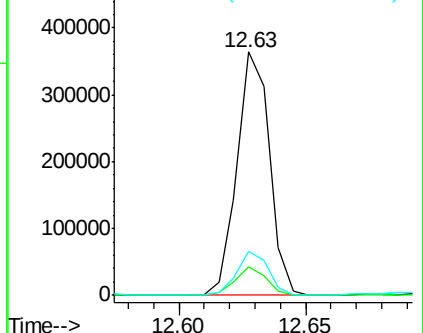
203 17.9 0.0 38.2



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

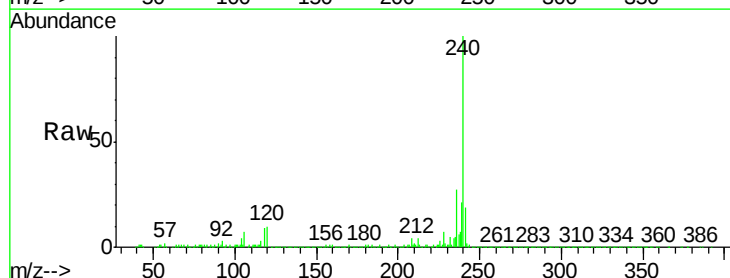
Tgt Ion:240 Resp: 575565

Ion Ratio Lower Upper

240 100

120 10.3 9.3 13.9

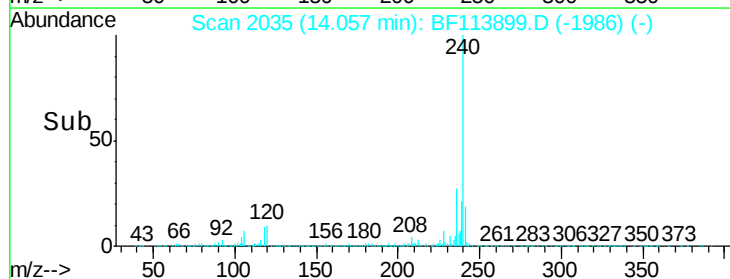
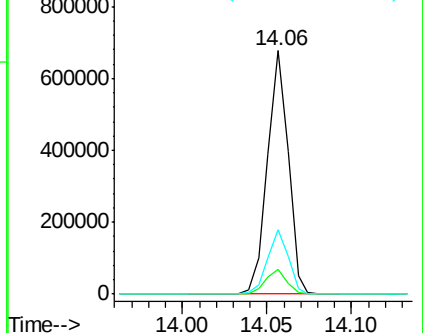
236 26.7 21.2 31.8

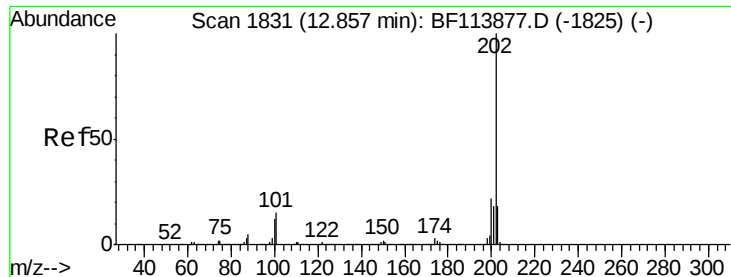


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

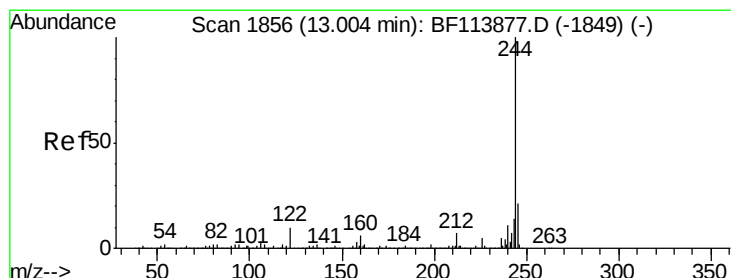
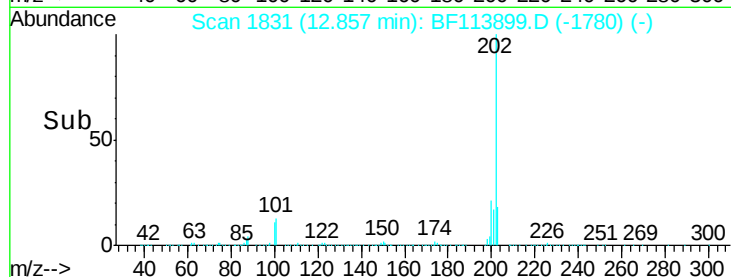
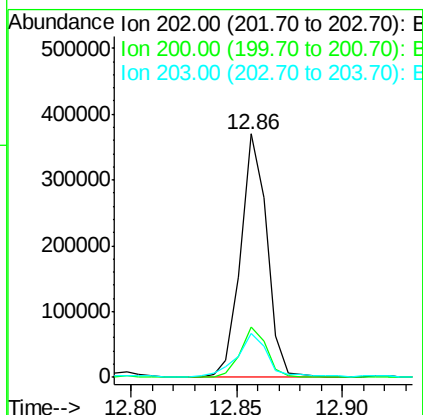
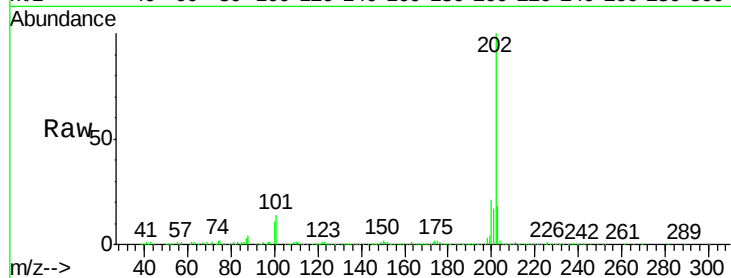




#78
Pvrene
Concen: 7.876 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

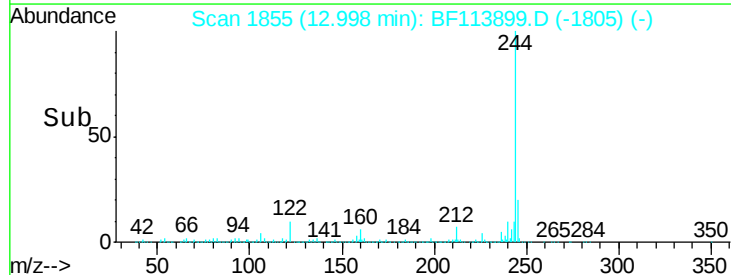
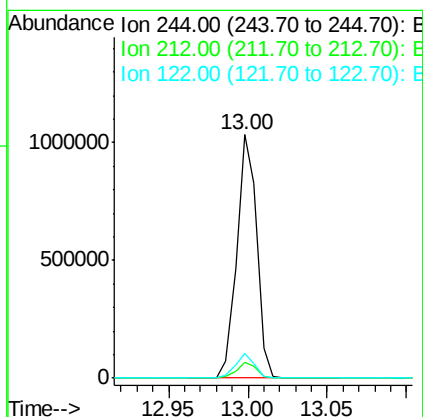
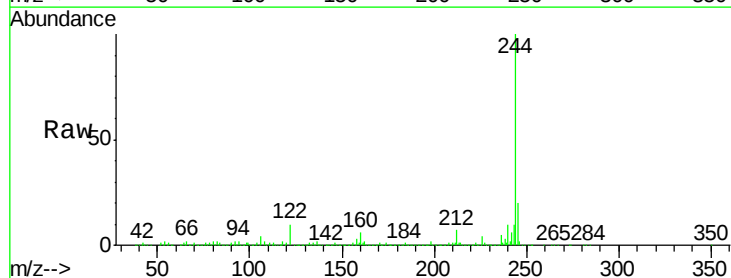
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-C

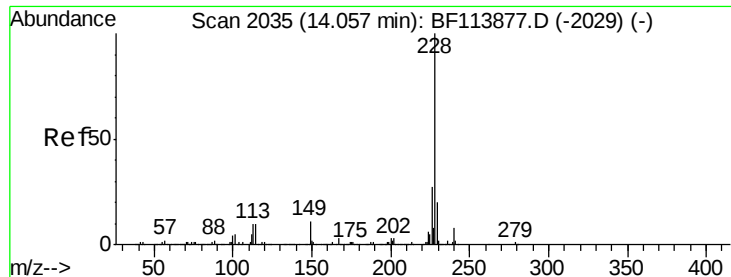
Tot Ion:202 Resp: 317012
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 18.1 15.0 22.6



#79
Terphenyl-d14
Concen: 32.014 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

Tgt Ion:244 Resp: 898785
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 5.263 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.02 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-C

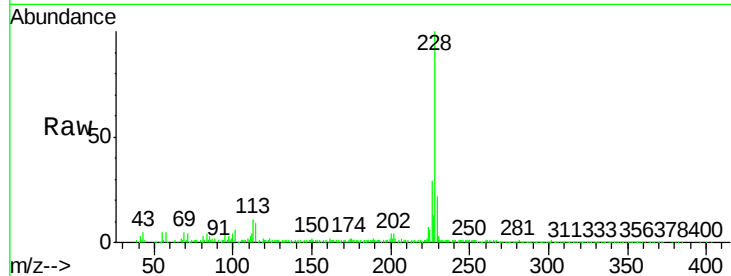
Tot Ion:228 Resp: 178485

Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.2

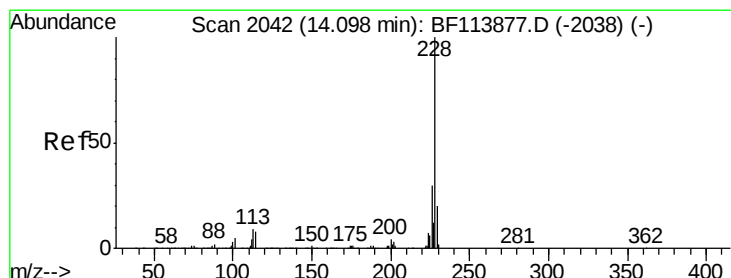
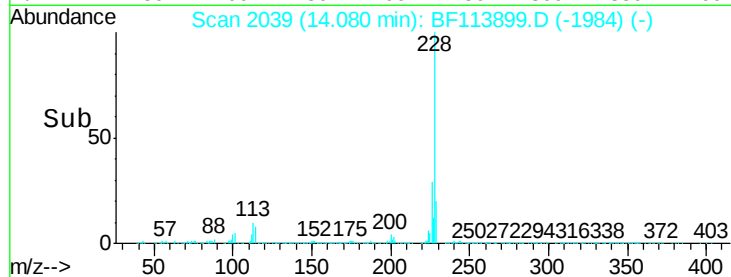
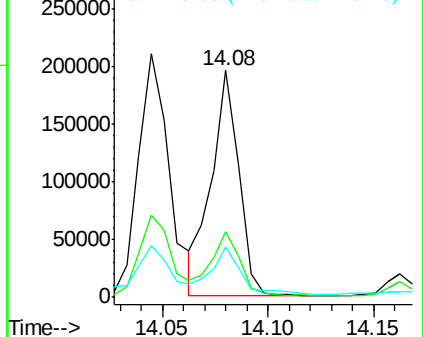
229 21.9 16.0 24.0



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: 5.404 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113899.D

Acq: 23 Apr 2019 00:55

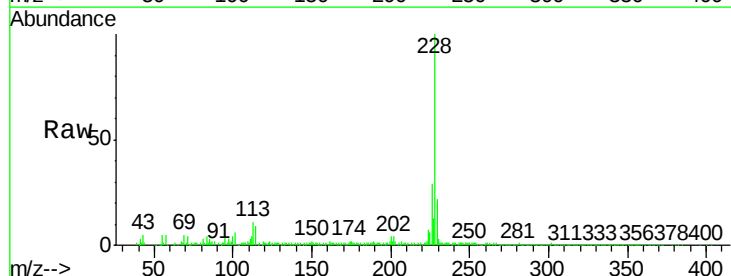
Tgt Ion:228 Resp: 178485

Ion Ratio Lower Upper

228 100

226 29.2 25.2 37.8

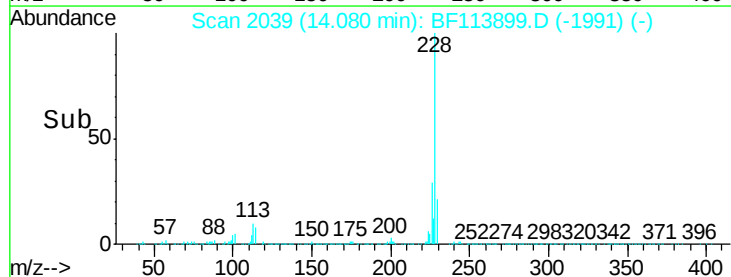
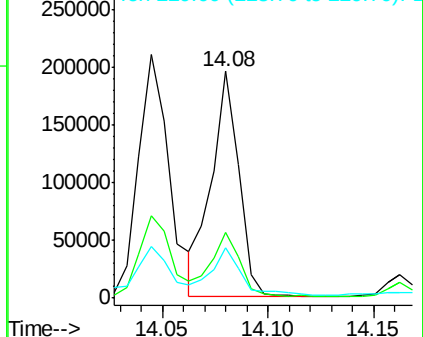
229 21.9 16.7 25.1

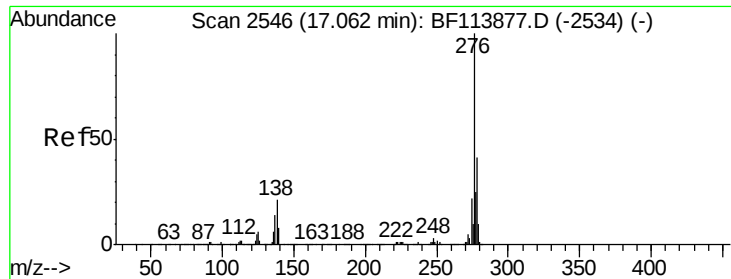


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

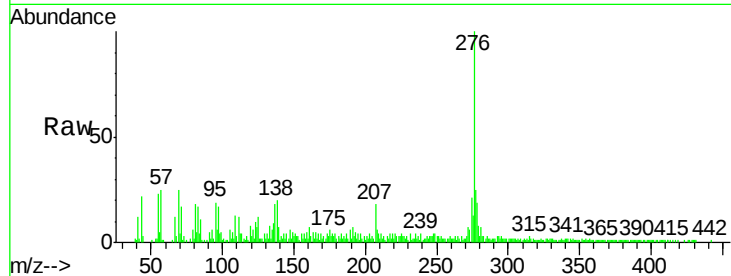




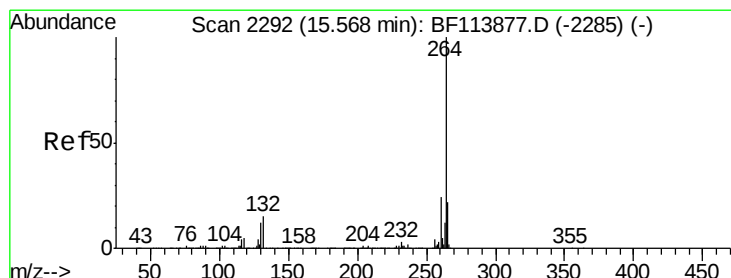
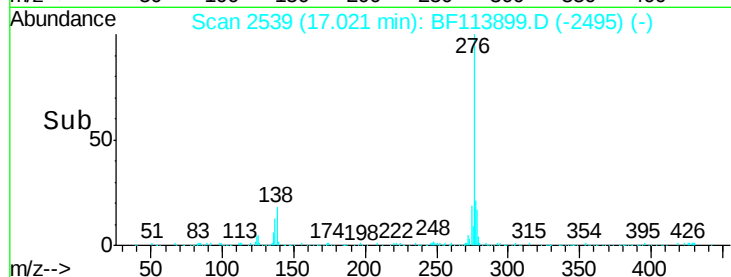
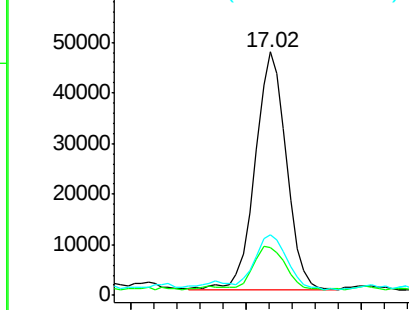
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.821 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	19.6	29.4
277	24.3	20.2	30.4

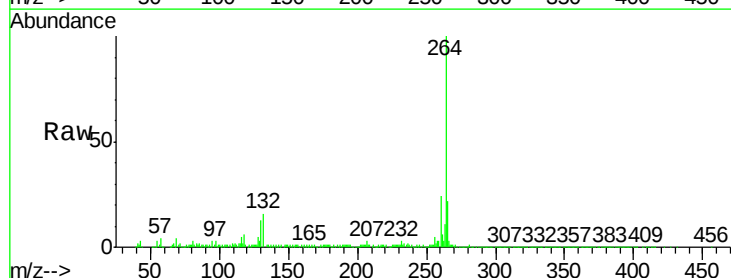


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

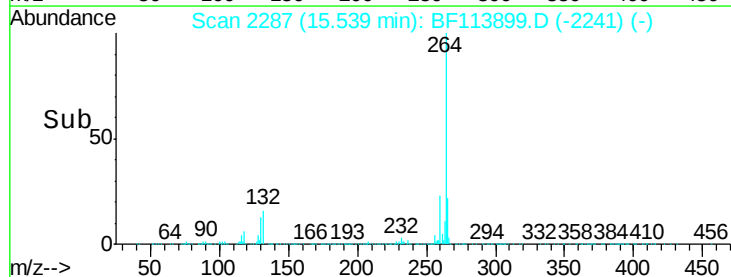
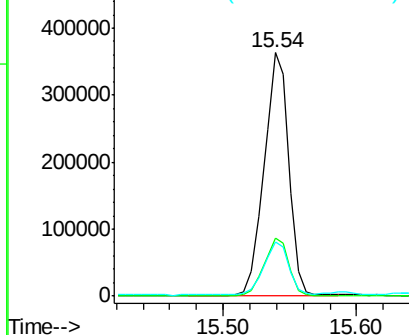


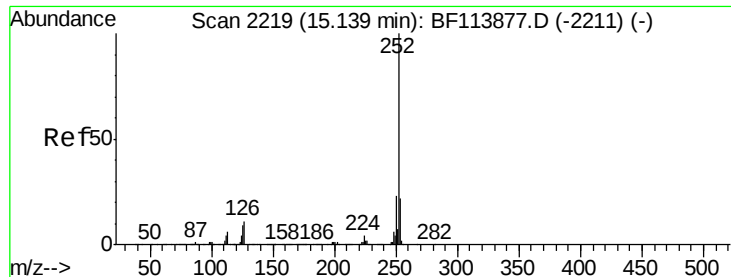
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.03 min
 Lab File: BF113899.D
 Acq: 23 Apr 2019 00:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.2	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

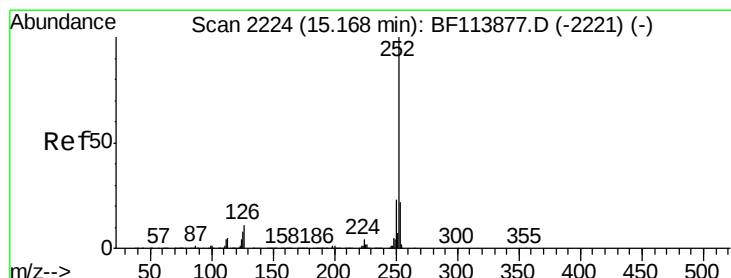
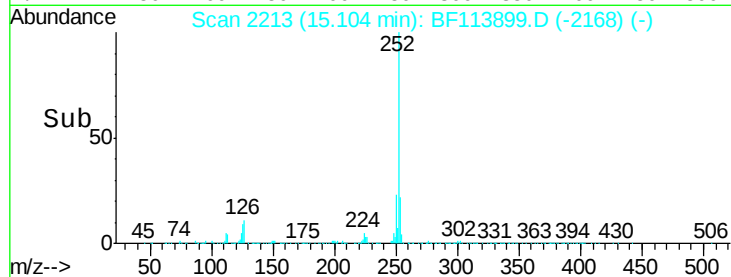
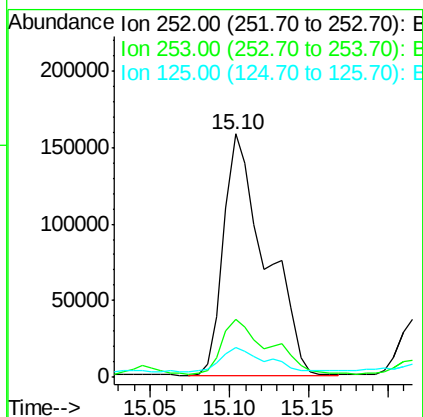
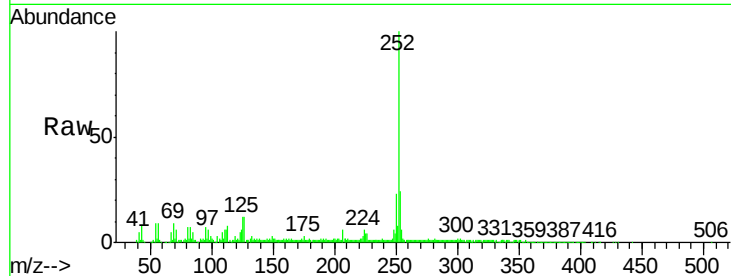




#88
Benzo(b)fluoranthene
Concen: 10.011 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

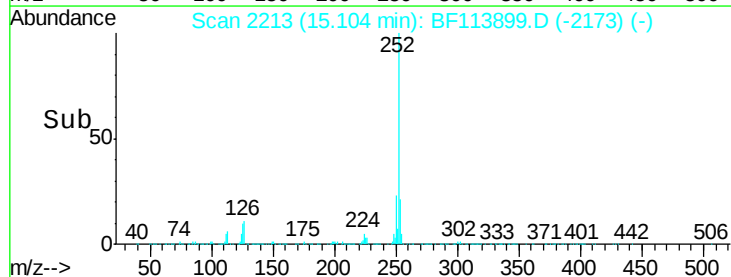
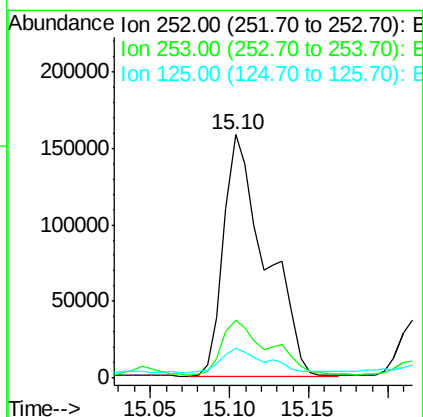
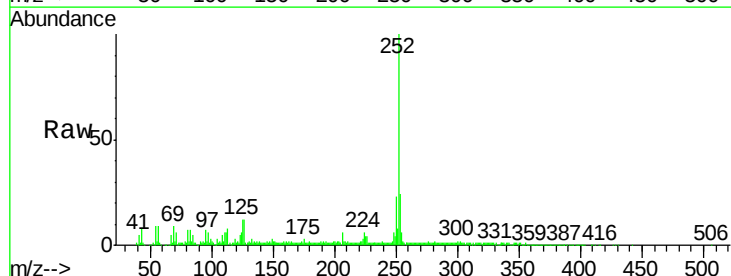
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-C

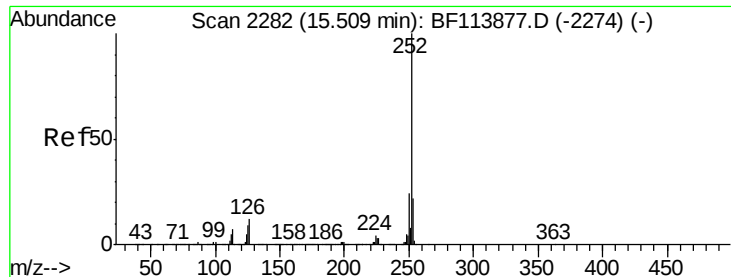
Tot Ion:252 Resp: 291444
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 12.3 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 11.638 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

Tgt Ion:252 Resp: 291444
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 12.3 7.4 11.2#

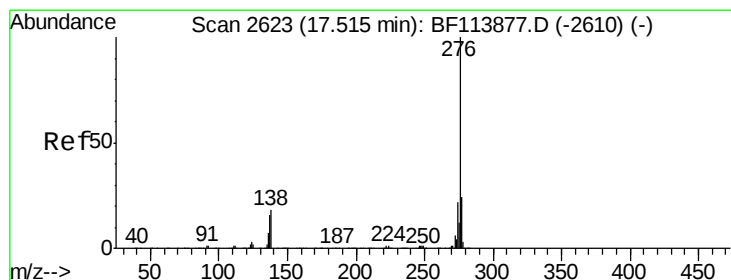
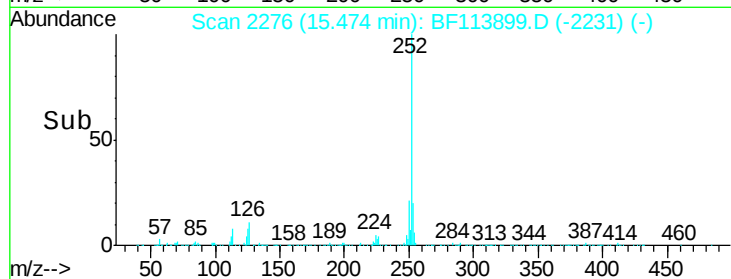
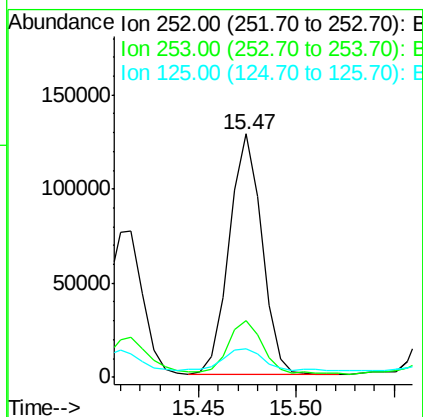
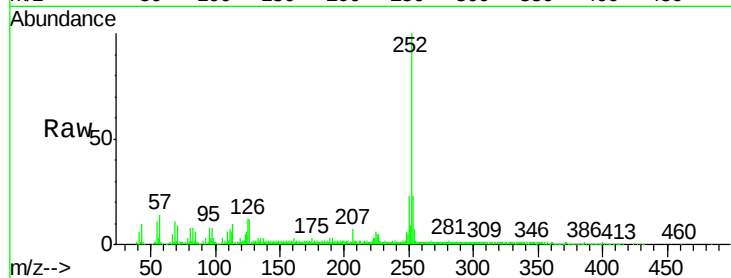




#90
Benzo(a)pyrene
Concen: 5.891 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.9	8.5	12.7



#92
Benzo(g,h,i)perylene
Concen: 3.359 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF113899.D
Acq: 23 Apr 2019 00:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.4
138	21.6	16.6	25.0

