

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113897.D
 Acq On : 23 Apr 2019 00:02
 Operator : JU/SJ
 Sample : K2202-01RE 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Apr 23 03:56:41 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	194490	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	658756	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	312243	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	646741	20.00	ng	0.00
76) Chrysene-d12	14.06	240	642259	20.00	ng	-0.01
87) Perylene-d12	15.54	264	532731	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	590188	51.90	ng	0.00
7) Phenol-d6	6.52	99	729372	51.12	ng	0.00
23) Nitrobenzene-d5	7.45	82	407779	38.22	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	216542	56.93	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	745984	37.37	ng	0.00
79) Terphenyl-d14	13.00	244	991852	31.66	ng	0.00

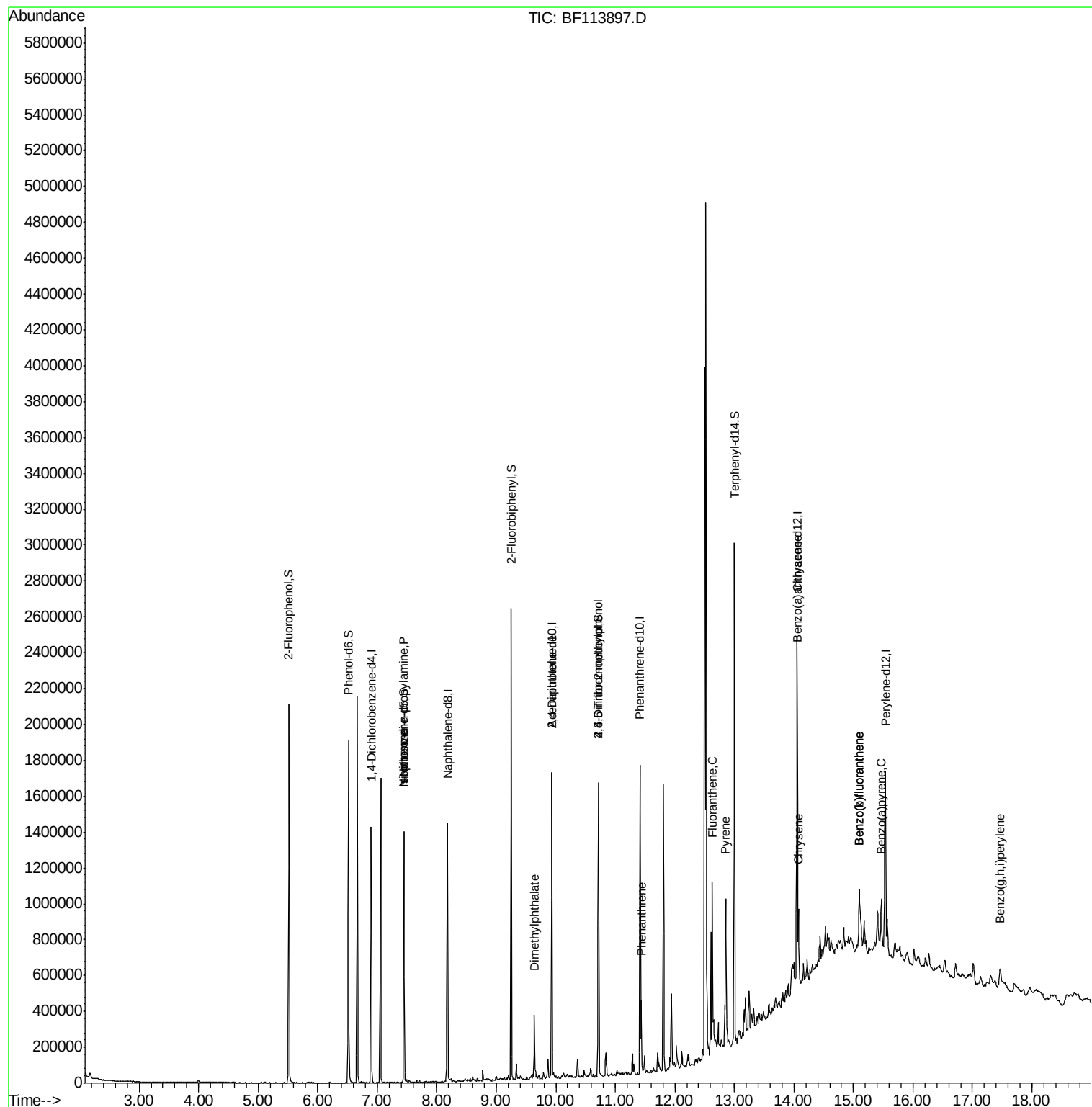
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	13725	Below Cal		80
19) n-Nitroso-di-n-propylamine	7.45	70	53664	5.808	ng	# 78
25) Isophorone	7.45	82	405441	18.572	ng	# 65
50) Dimethylphthalate	9.64	163	124436	5.510	ng	100
57) 2,4-Dinitrotoluene	9.93	165	42089	6.883	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	407	7.425	ng	# 1
71) Phenanthrene	11.44	178	137100	4.218	ng	98
75) Fluoranthene	12.63	202	337423	9.515	ng	98
78) Pyrene	12.86	202	330975	7.369	ng	98
81) Benzo(a)anthracene	14.04	228	180279	4.764	ng	95
83) Chrysene	14.08	228	158230	4.294	ng	97
88) Benzo(b)fluoranthene	15.10	252	246944	7.327	ng	# 92
89) Benzo(k)fluoranthene	15.10	252	246944	8.517	ng	# 93
90) Benzo(a)pyrene	15.47	252	127739	4.382	ng	# 94
92) Benzo(a,h,i)perylene	17.47	276	67679	2.451	ng	94

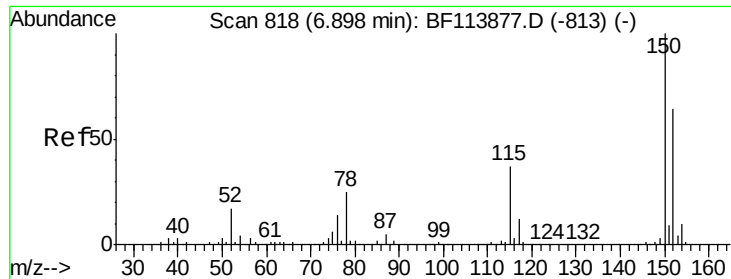
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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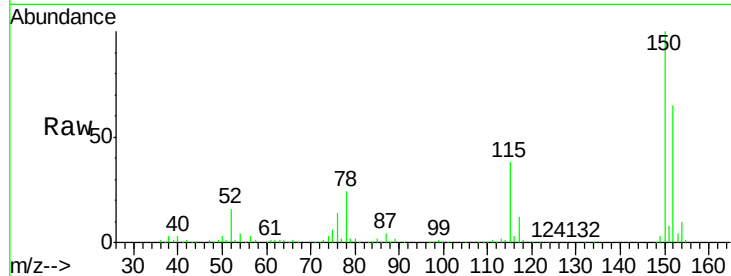


#1

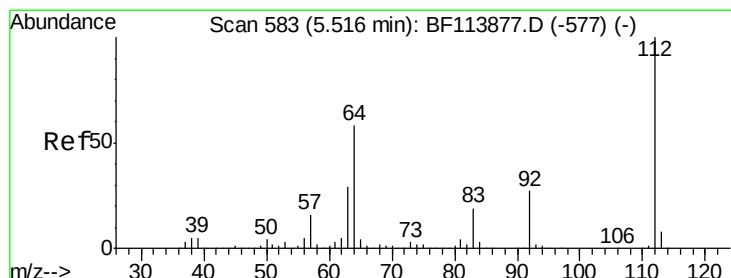
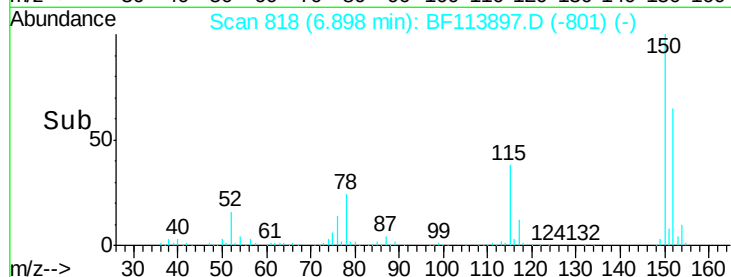
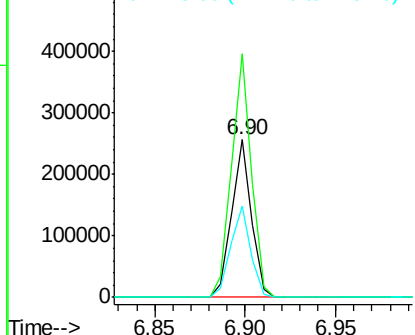
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

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

Tot Ion:152 Resp: 194490
Ion Ratio Lower Upper
152 100
150 154.4 125.9 188.9
115 58.0 45.9 68.9



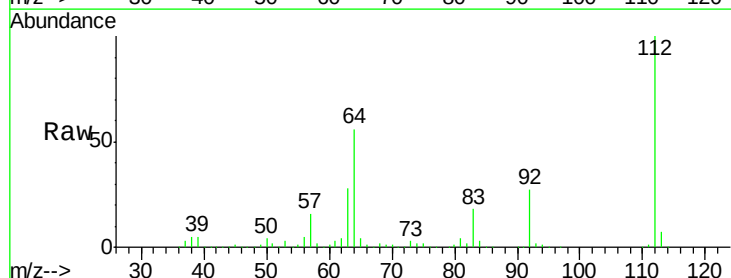
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



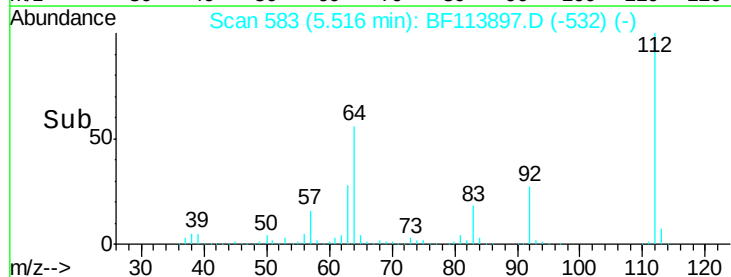
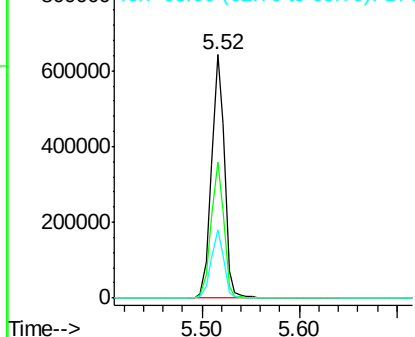
#5

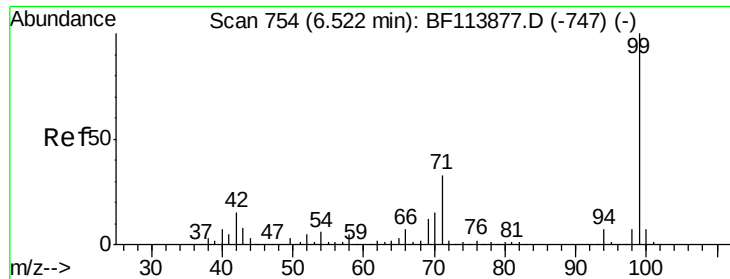
2-Fluorophenol
Concen: 51.901 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

Tgt Ion:112 Resp: 590188
Ion Ratio Lower Upper
112 100
64 56.0 46.6 69.8
63 28.0 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: 51.124 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

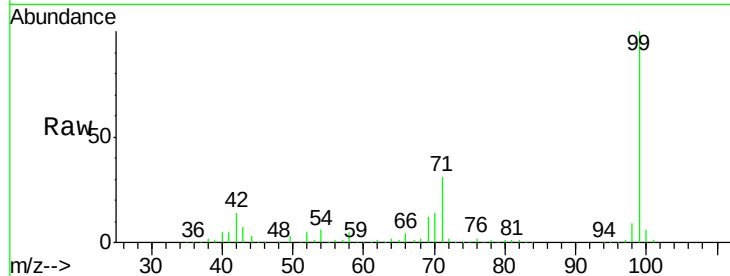
Tot Ion: 99 Resp: 729372

Ion Ratio Lower Upper

99 100

42 13.6 12.5 18.7

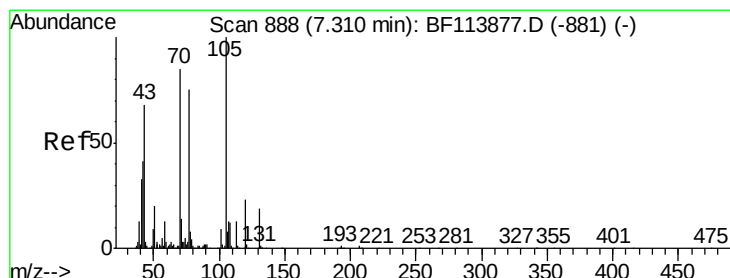
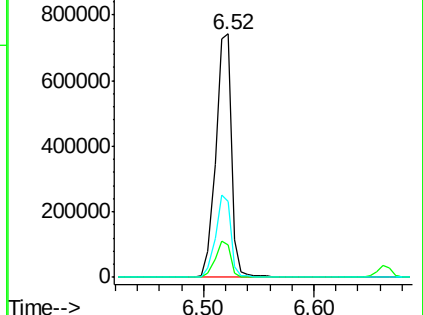
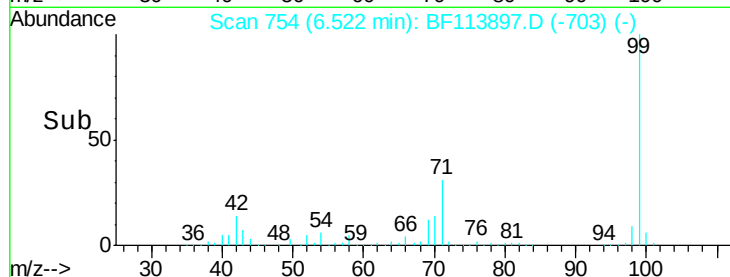
71 31.3 26.9 40.3



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: 5.808 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Tgt Ion: 70 Resp: 53664

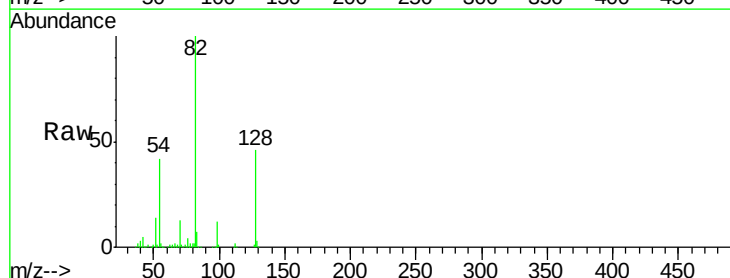
Ion Ratio Lower Upper

70 100

42 38.9 37.3 55.9

101 0.0 7.8 11.8#

130 2.2 18.2 27.2#

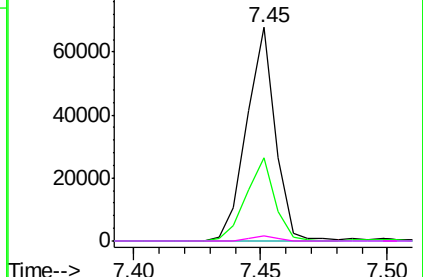
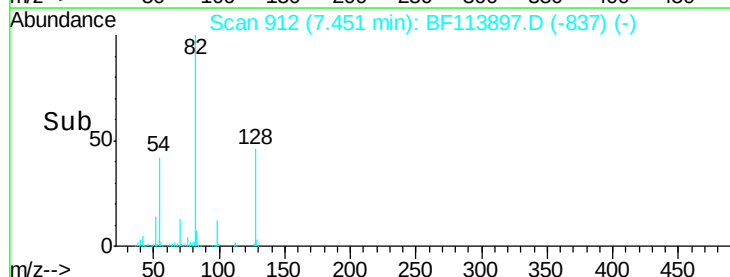


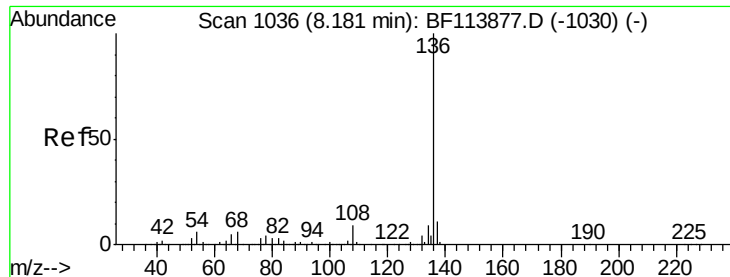
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

Tot Ion:136 Resp: 658756

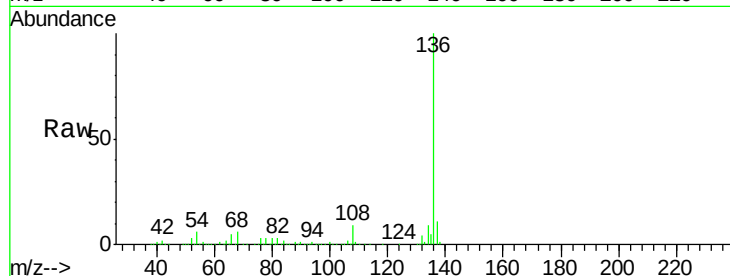
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 5.8 5.0 7.6

68 5.8 4.9 7.3

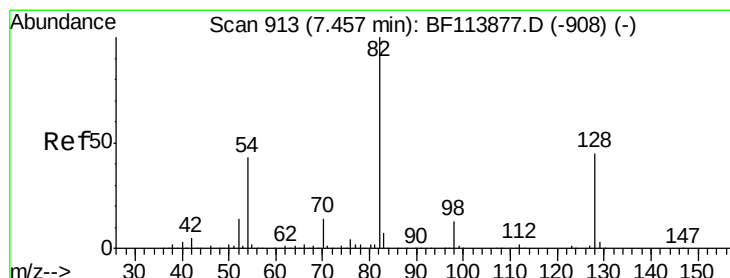
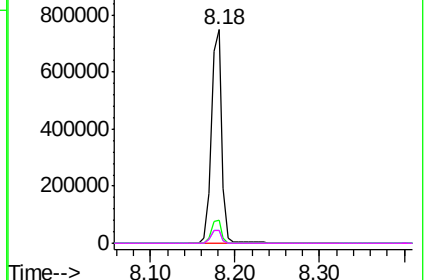
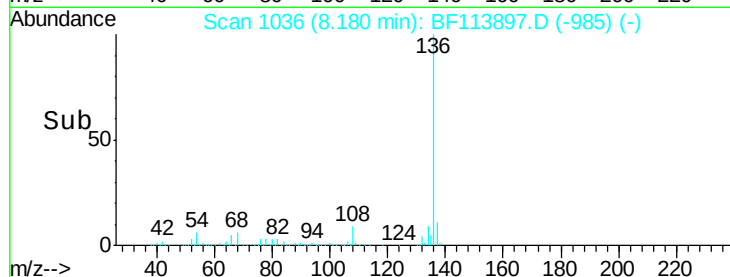


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.220 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

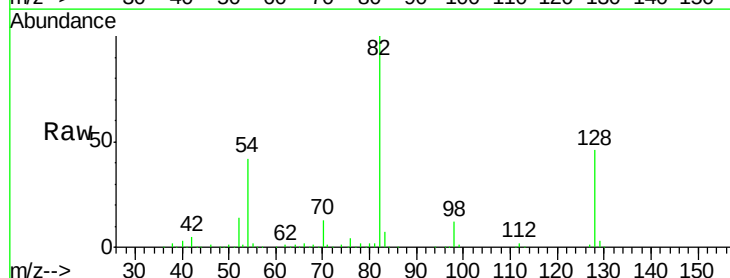
Tgt Ion: 82 Resp: 407779

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

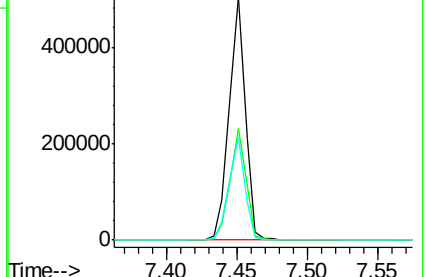
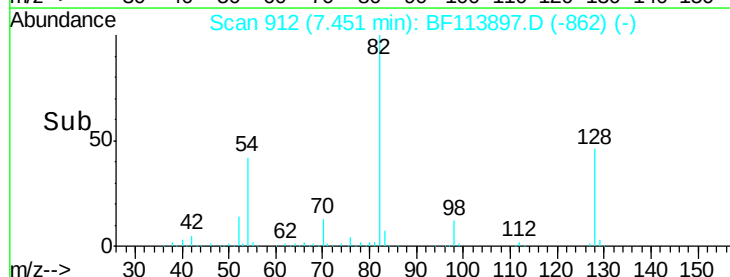
54 42.2 33.8 50.6

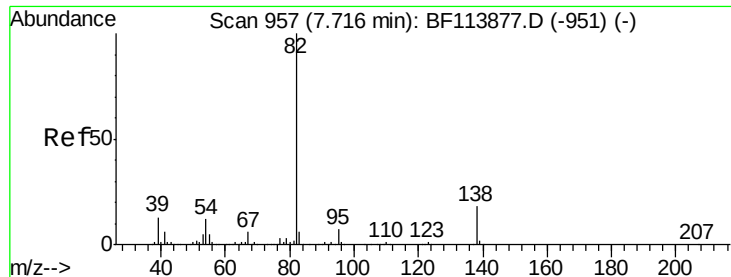


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.572 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

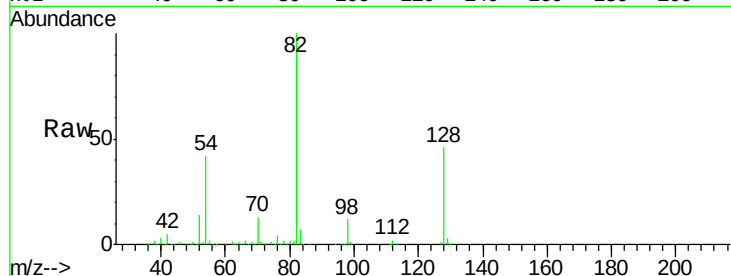
Tot Ion: 82 Resp: 405441

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

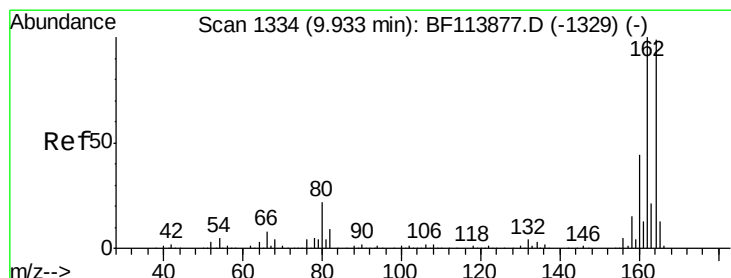
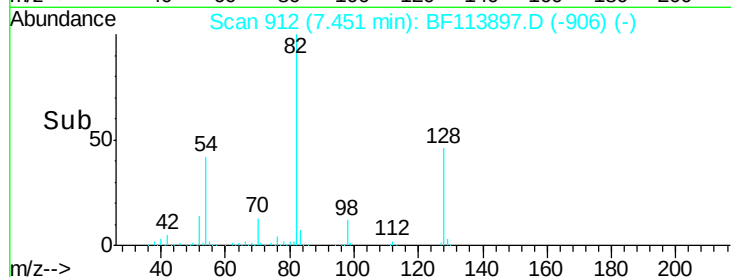
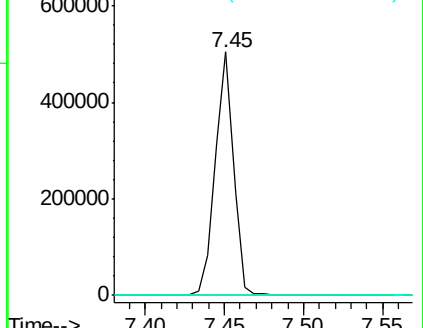
138 0.0 14.6 22.0#



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: BF113897.D

Acq: 23 Apr 2019 00:02

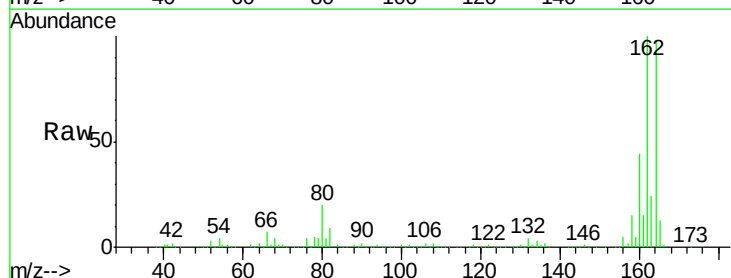
Tgt Ion:164 Resp: 312243

Ion Ratio Lower Upper

164 100

162 102.5 81.1 121.7

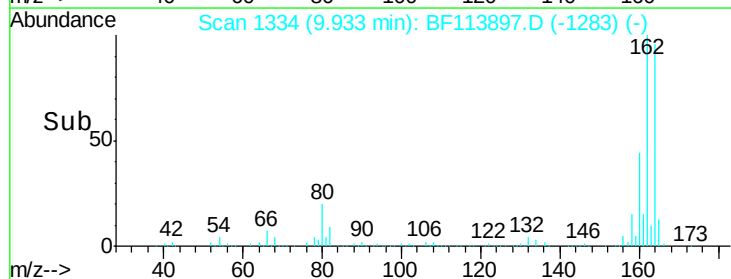
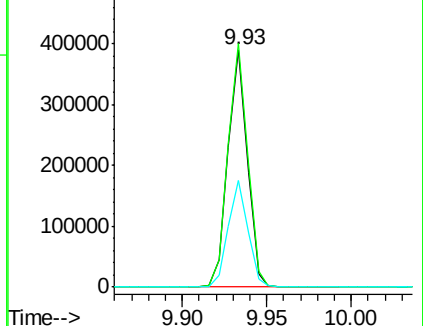
160 45.1 35.8 53.6

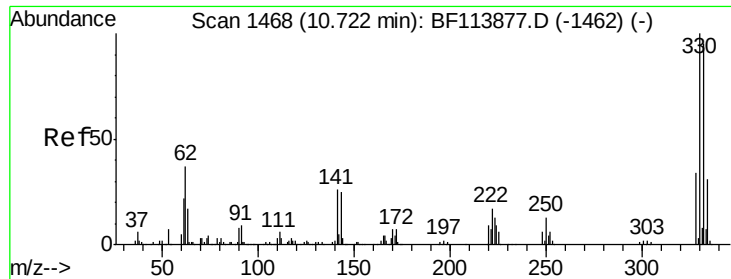


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 56.928 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

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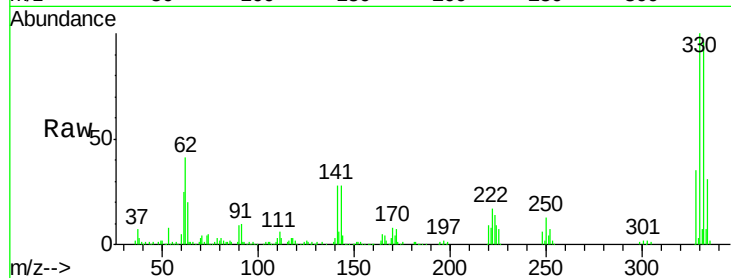
Tot Ion:330 Resp: 216542

Ion Ratio Lower Upper

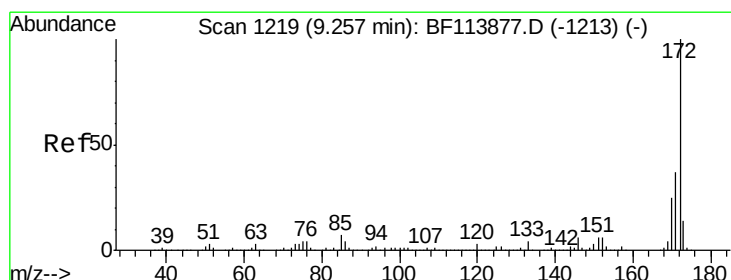
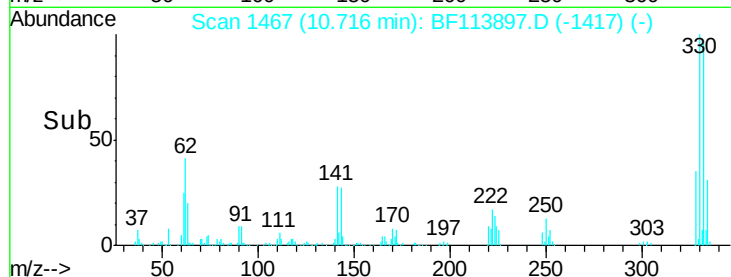
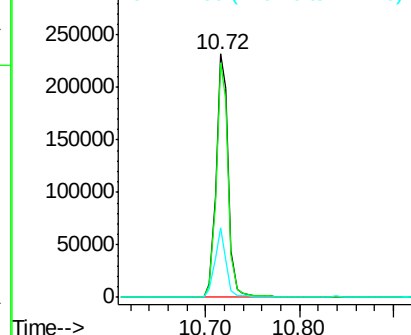
330 100

332 94.7 77.5 116.3

141 27.1 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: 37.366 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

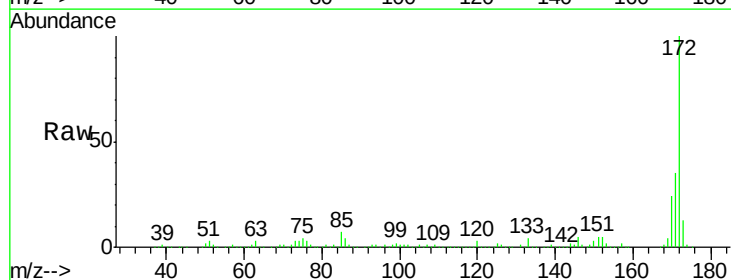
Tgt Ion:172 Resp: 745984

Ion Ratio Lower Upper

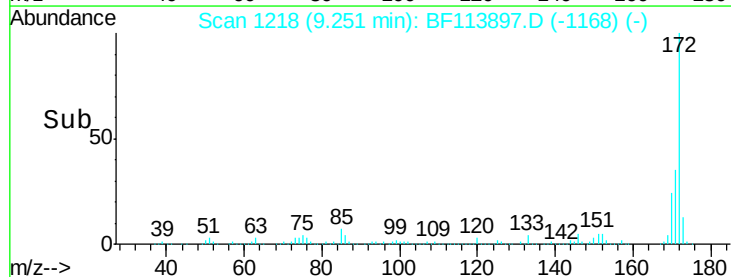
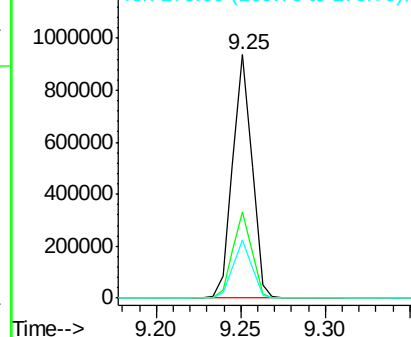
172 100

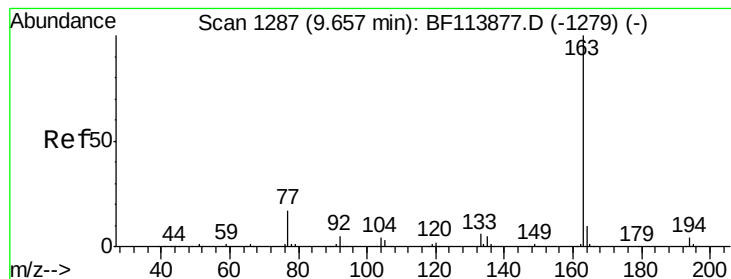
171 35.3 29.4 44.0

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





#50

Dimethylphthalate

Concen: 5.510 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

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SA-06-041819-A

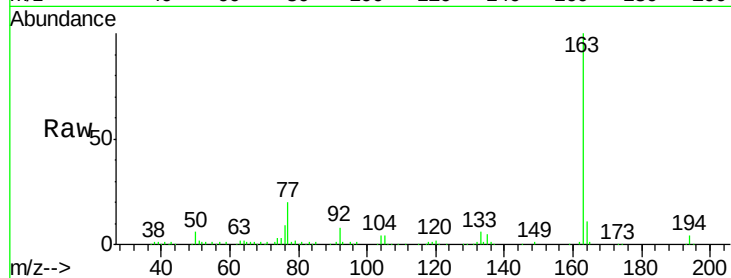
Tot Ion:163 Resp: 124436

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

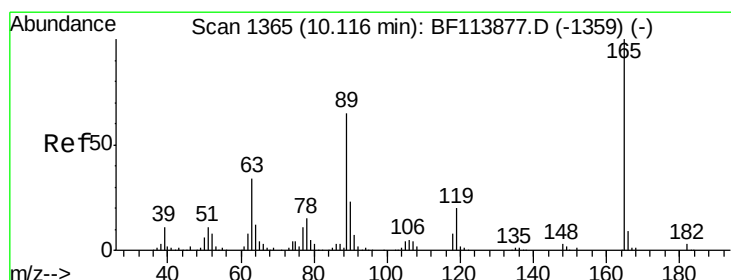
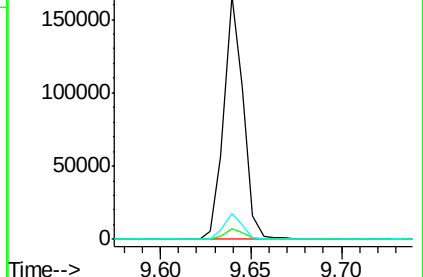
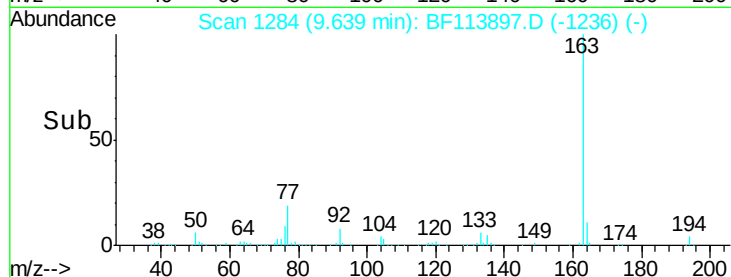
164 10.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.883 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Tgt Ion:165 Resp: 42089

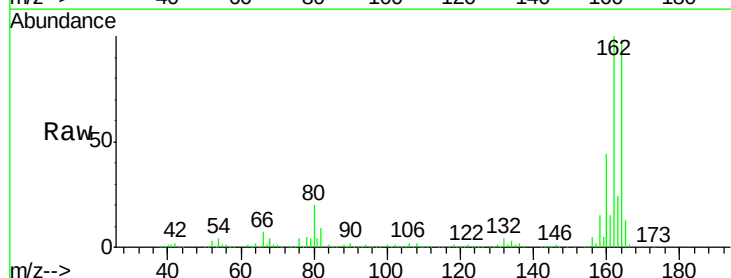
Ion Ratio Lower Upper

165 100

63 1.0 27.4 41.0#

89 1.6 51.8 77.6#

182 0.0 2.2 3.2#

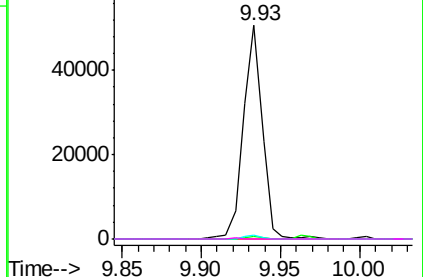
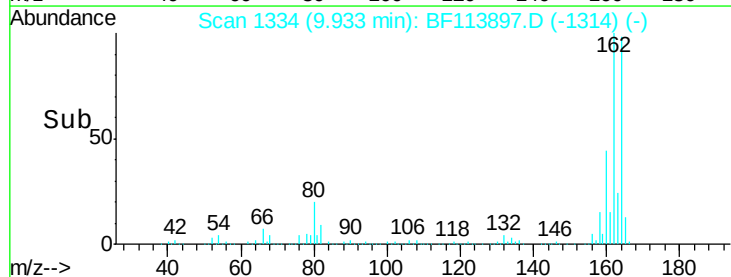


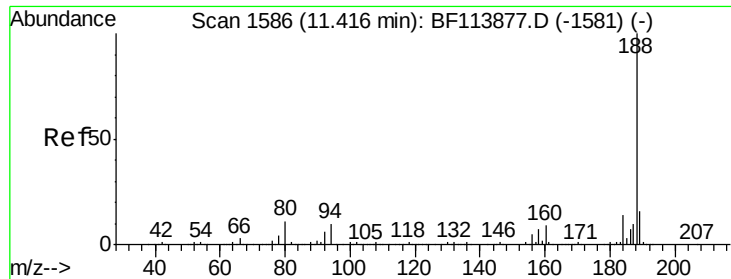
Abundance Ion 165.00 (164.70 to 165.70): E

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

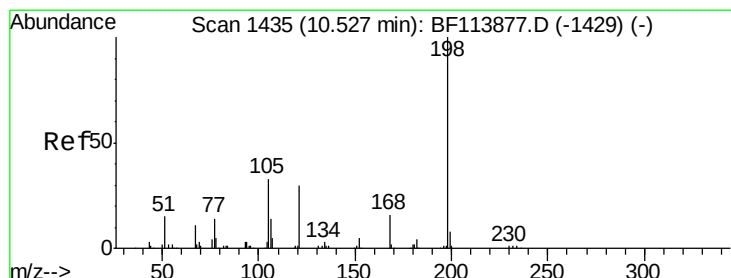
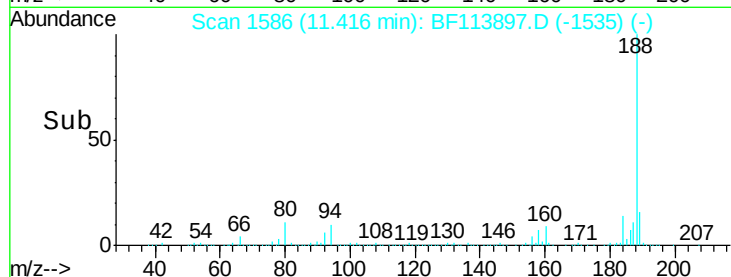
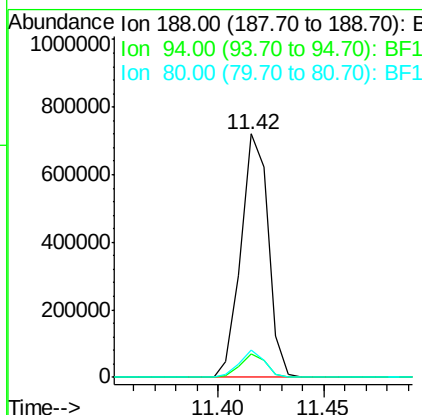
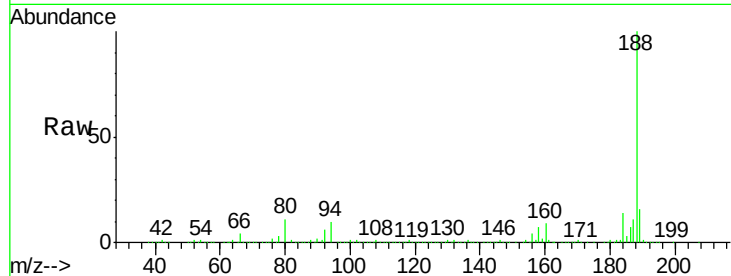




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113897.D
 Acq: 23 Apr 2019 00:02

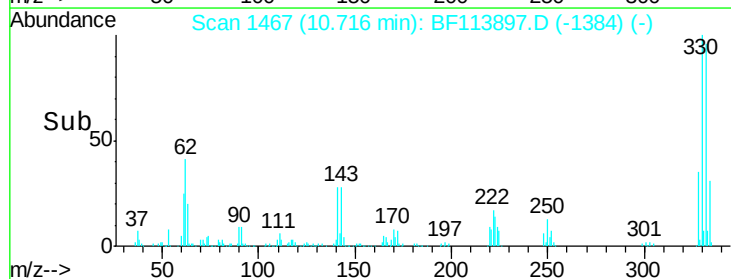
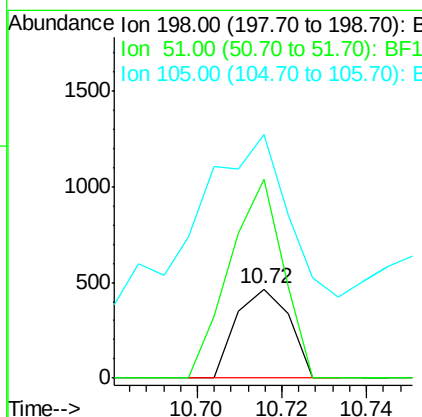
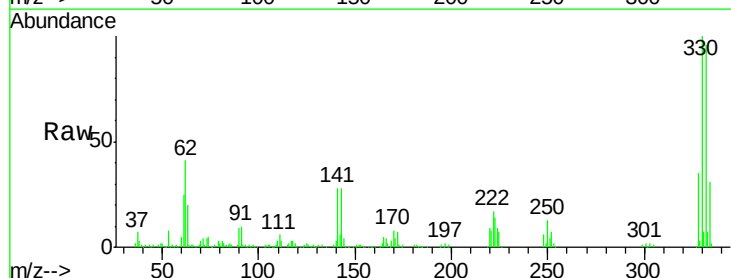
Instrument :
 BNA_F
 ClientSampleId :
 SA-06-041819-A

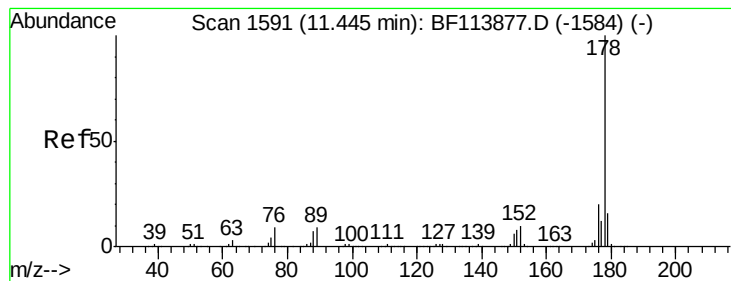
Tot Ion:188 Resp: 646741
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.2 12.4
 80 11.0 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.425 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113897.D
 Acq: 23 Apr 2019 00:02

Tgt Ion:198 Resp: 407
 Ion Ratio Lower Upper
 198 100
 51 222.7 11.1 51.1#
 105 272.4 20.7 60.7#





#71

Phenanthrene

Concen: 4.218 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

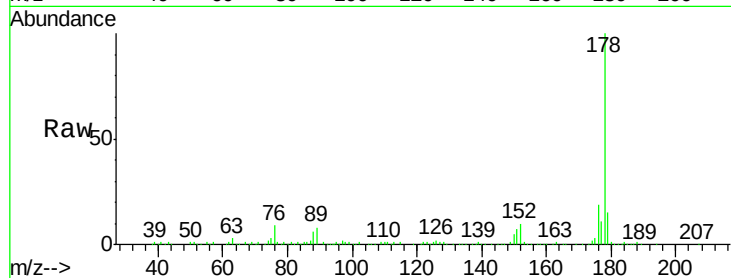
BNA_F

ClientSampleId :

SA-06-041819-A

Tot Ion:178 Resp: 137100

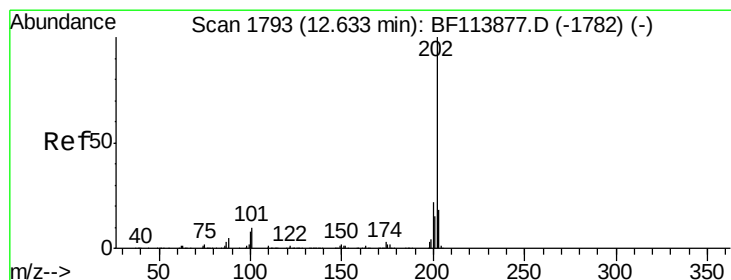
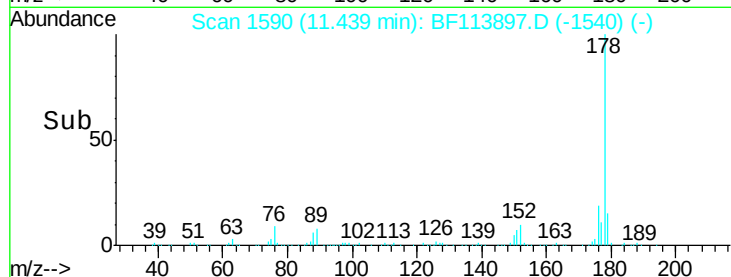
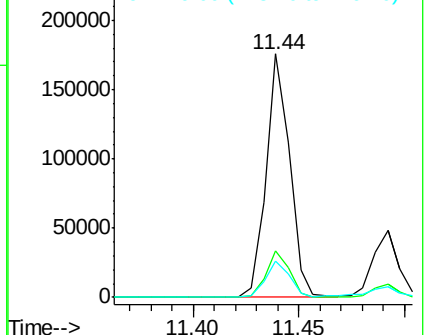
Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	15.0	12.8	19.2



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: 9.515 ng

RT: 12.63 min Scan# 1792

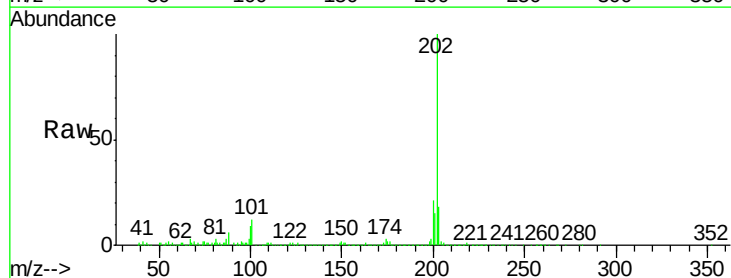
Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Tgt Ion:202 Resp: 337423

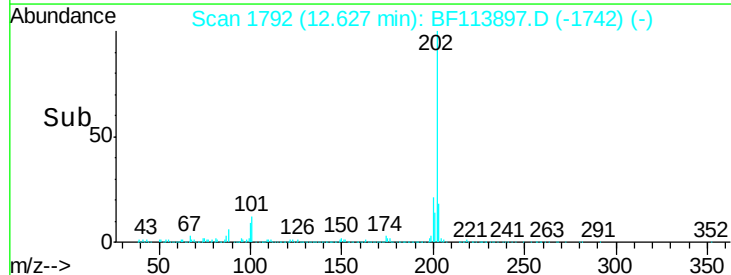
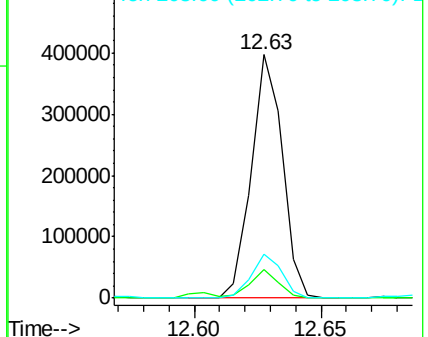
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.9
203	17.8	0.0	38.2

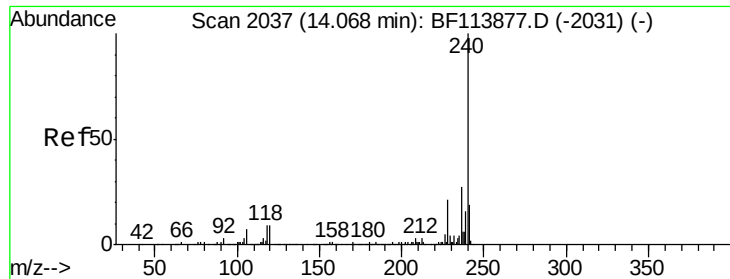


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

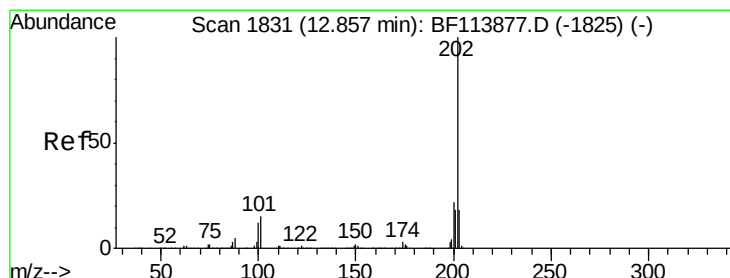
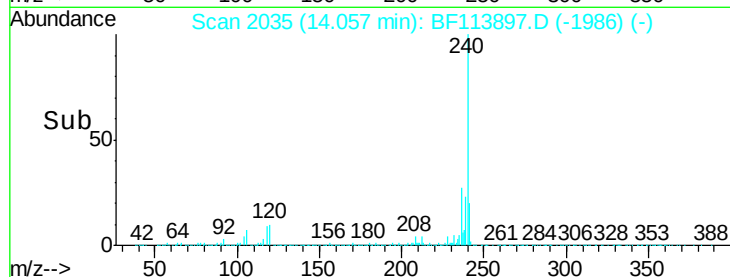
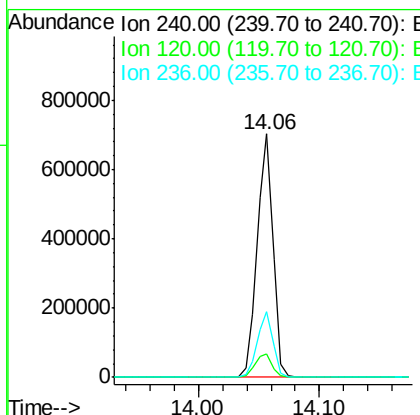
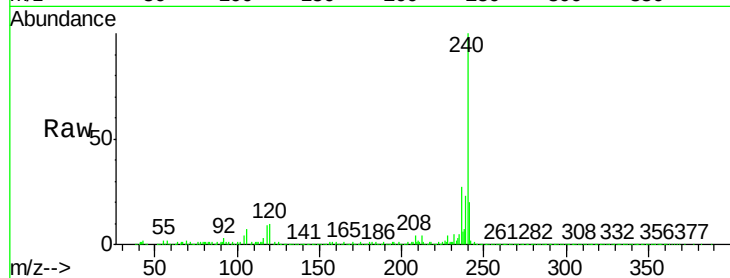




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

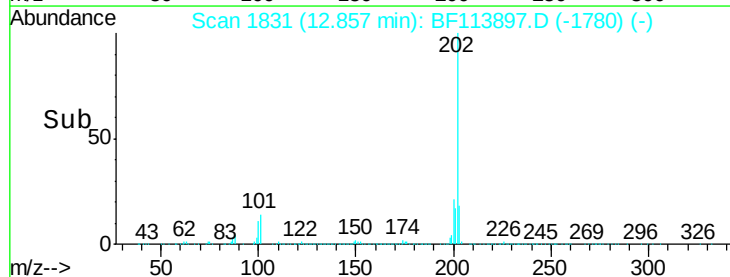
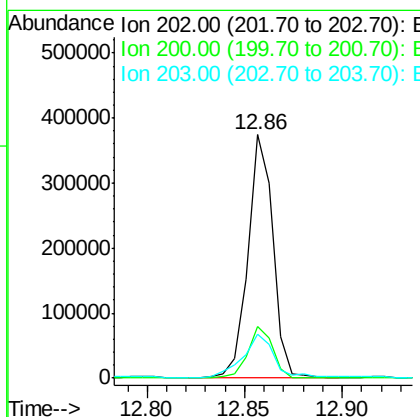
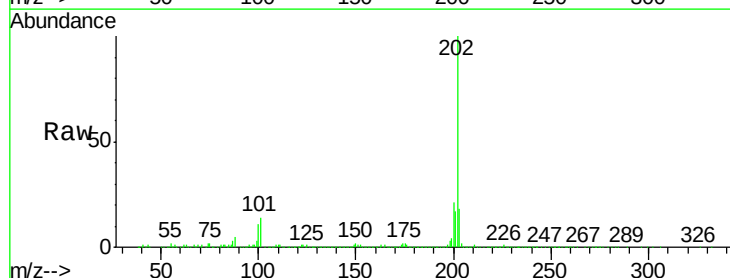
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-A

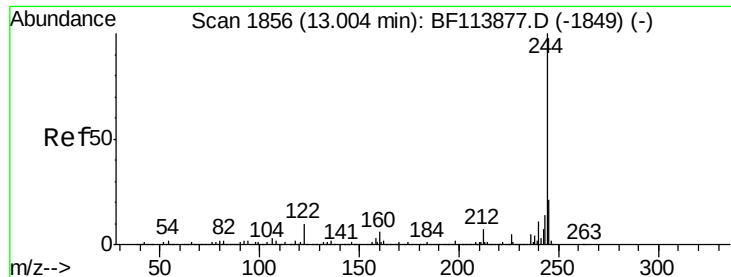
Tot Ion:240 Resp: 642259
Ion Ratio Lower Upper
240 100
120 9.7 9.3 13.9
236 27.0 21.2 31.8



#78
Pyrene
Concen: 7.369 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

Tgt Ion:202 Resp: 330975
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.9 15.0 22.6





#79

Terphenyl-d14

Concen: 31.661 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

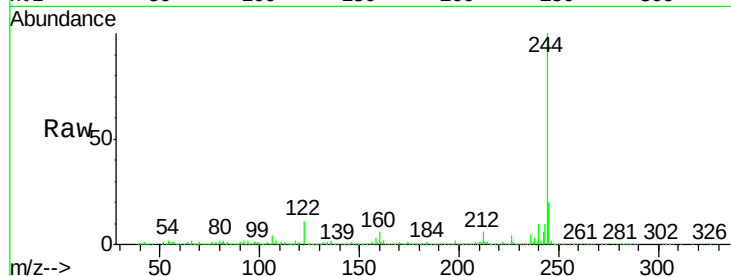
Tot Ion:244 Resp: 991852

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

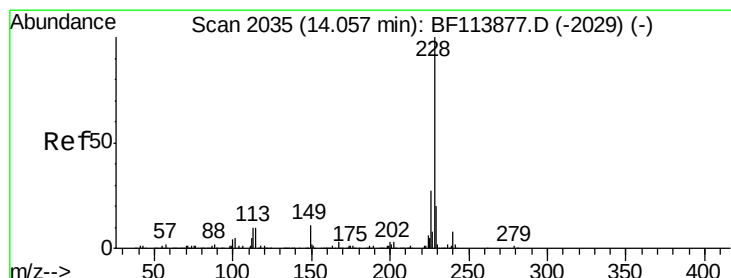
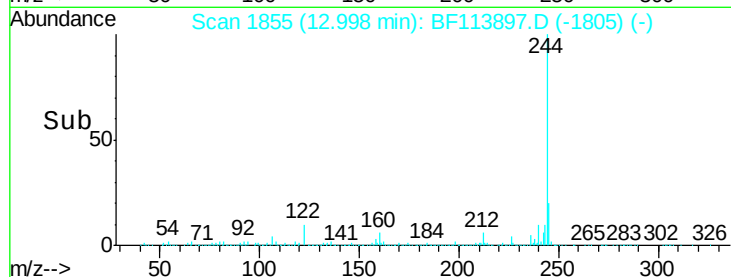
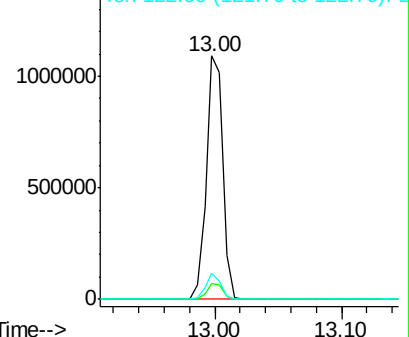
122 10.5 7.6 11.4



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: 4.764 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

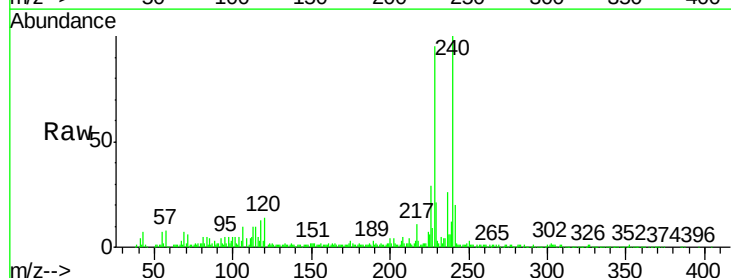
Tgt Ion:228 Resp: 180279

Ion Ratio Lower Upper

228 100

226 30.8 22.2 33.2

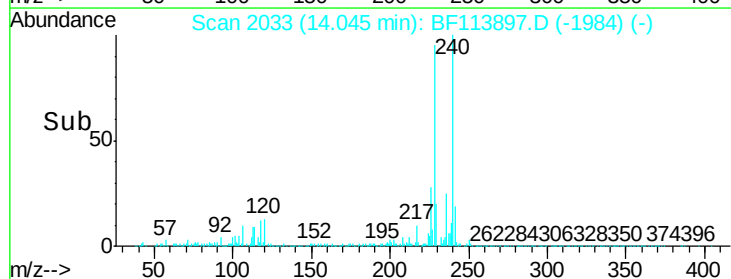
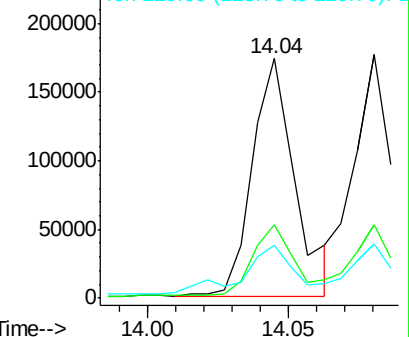
229 22.2 16.0 24.0

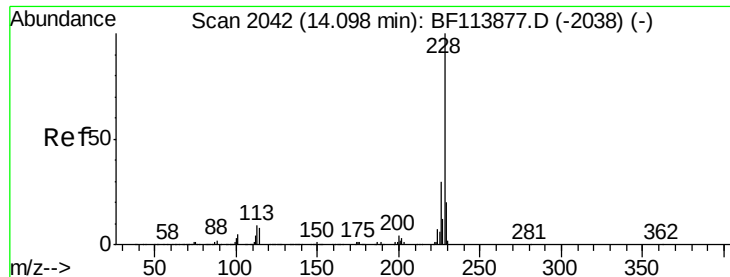


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.294 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

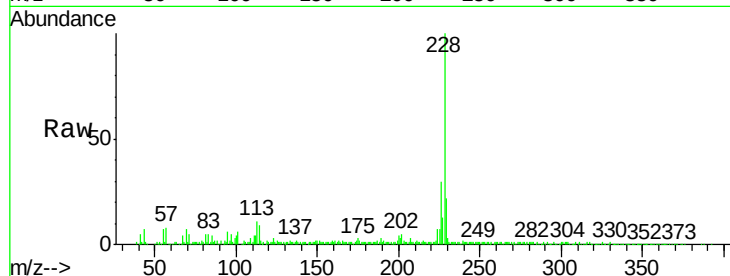
Tot Ion:228 Resp: 158230

Ion Ratio Lower Upper

228 100

226 30.2 25.2 37.8

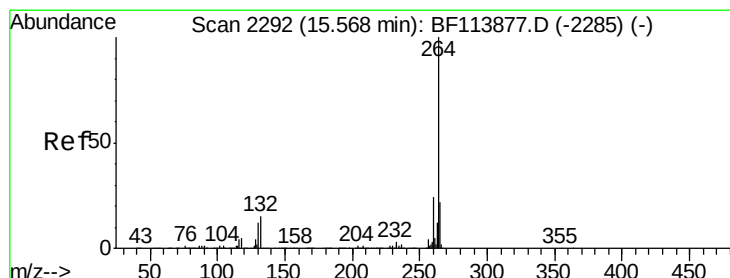
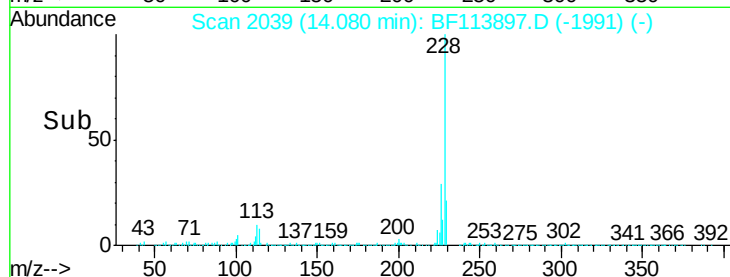
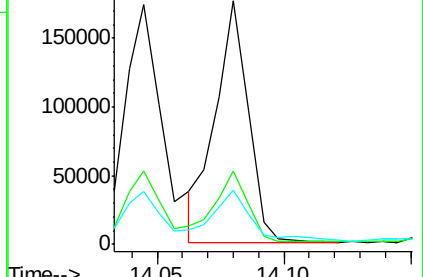
229 22.5 16.7 25.1



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: BF113897.D

Acq: 23 Apr 2019 00:02

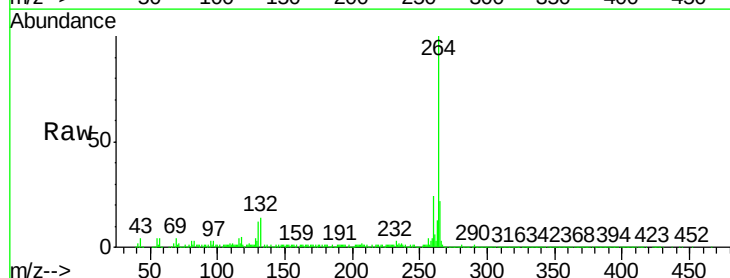
Tgt Ion:264 Resp: 532731

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

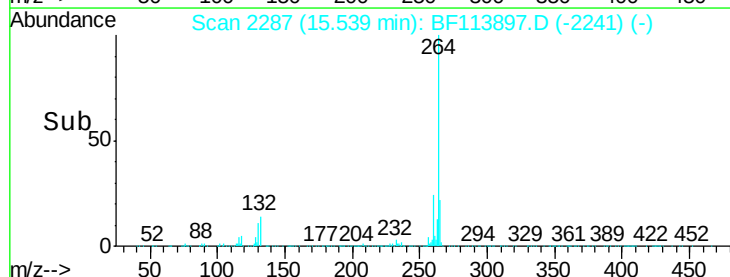
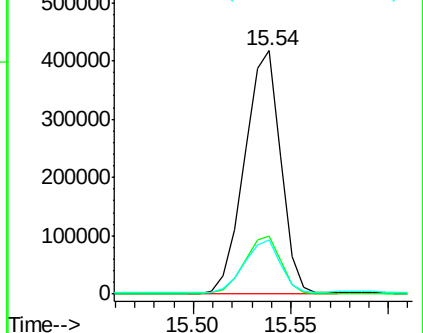
265 22.1 17.3 25.9

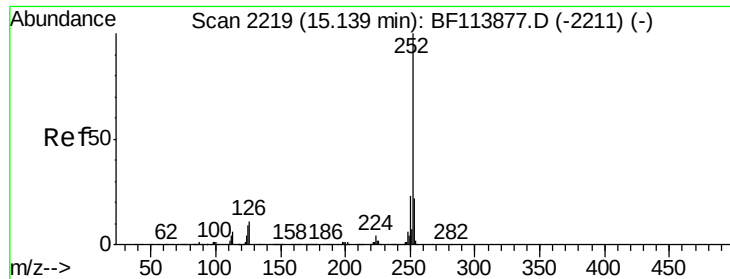


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

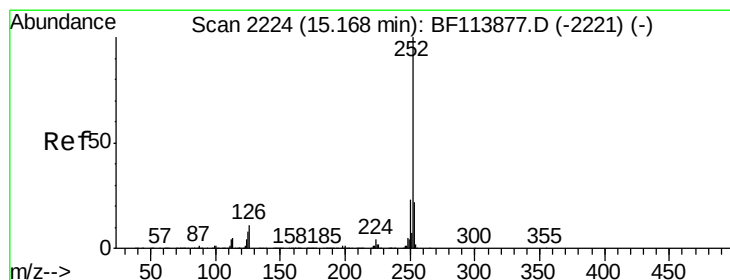
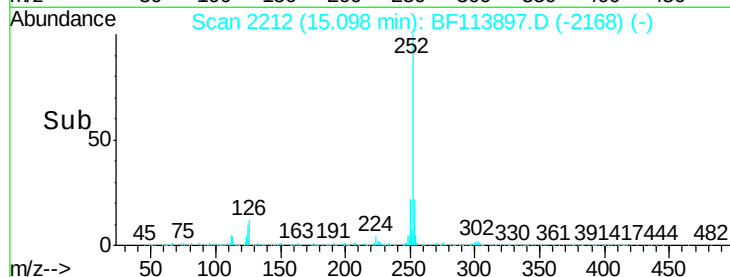
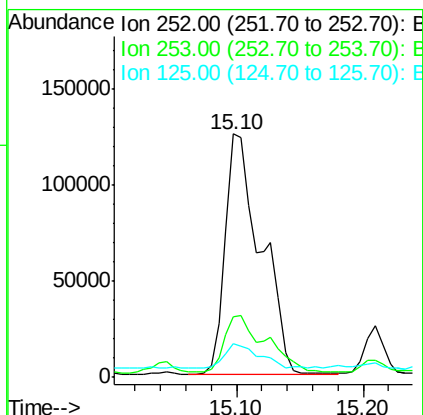
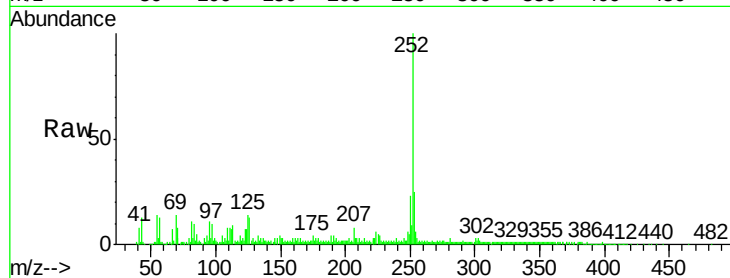




#88
Benzo(b)fluoranthene
Concen: 7.327 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

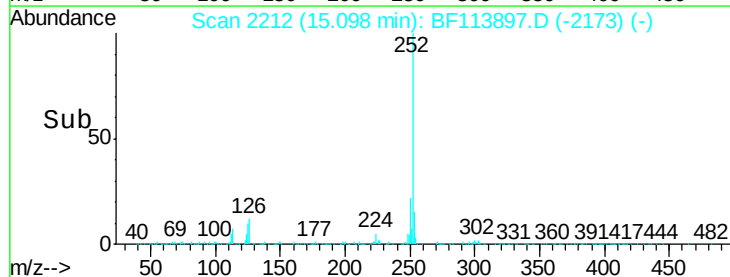
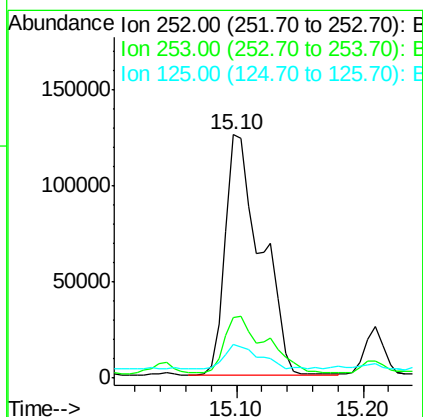
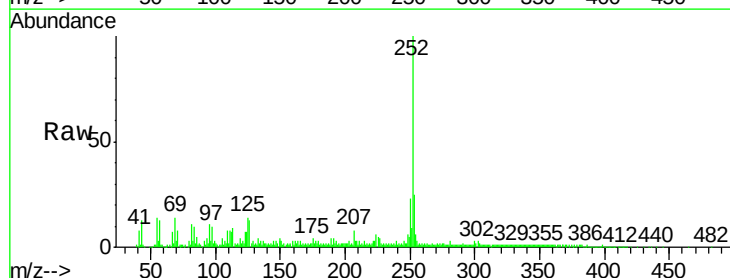
Instrument :
BNA_F
ClientSampleId :
SA-06-041819-A

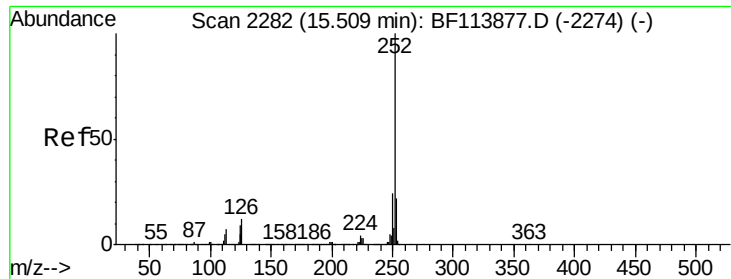
Tot Ion:252 Resp: 246944
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 14.1 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 8.517 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF113897.D
Acq: 23 Apr 2019 00:02

Tgt Ion:252 Resp: 246944
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 14.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.382 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

Instrument :

BNA_F

ClientSampleId :

SA-06-041819-A

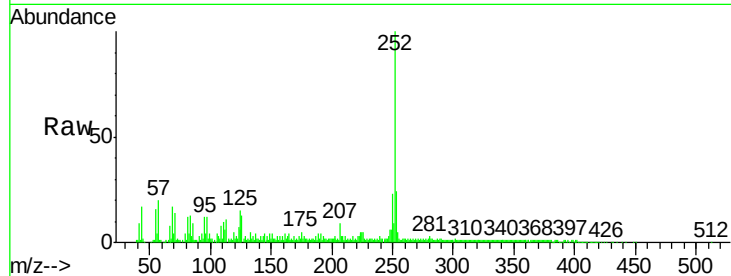
Tot Ion:252 Resp: 127739

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

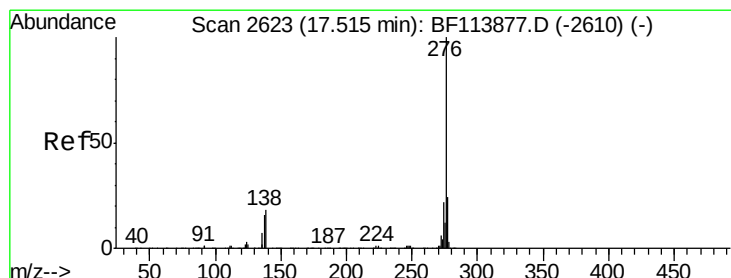
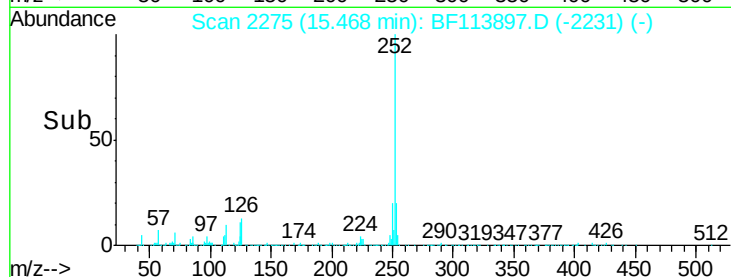
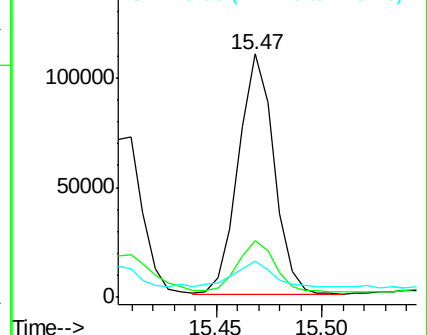
125 14.7 8.5 12.7#



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: 2.451 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.05 min

Lab File: BF113897.D

Acq: 23 Apr 2019 00:02

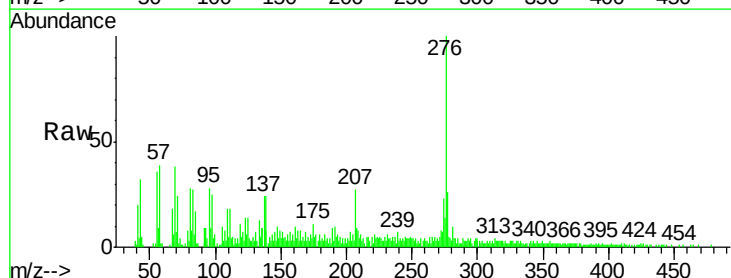
Tgt Ion:276 Resp: 67679

Ion Ratio Lower Upper

276 100

277 26.2 19.0 28.4

138 23.6 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

