

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113913.D
 Acq On : 23 Apr 2019 7:55
 Operator : JU/SJ
 Sample : K2464-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-COMP-4.18.19

Quant Time: Apr 23 08:47:49 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	145785	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	508192	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	247636	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	514524	20.00	ng	0.00
76) Chrysene-d12	14.06	240	430229	20.00	ng	-0.01
87) Perylene-d12	15.55	264	349124	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	679710	79.74	ng	0.00
7) Phenol-d6	6.52	99	836164	78.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	459294	55.80	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	248873	82.50	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	867403	54.78	ng	0.00
79) Terphenyl-d14	13.00	244	1119143	53.33	ng	0.00

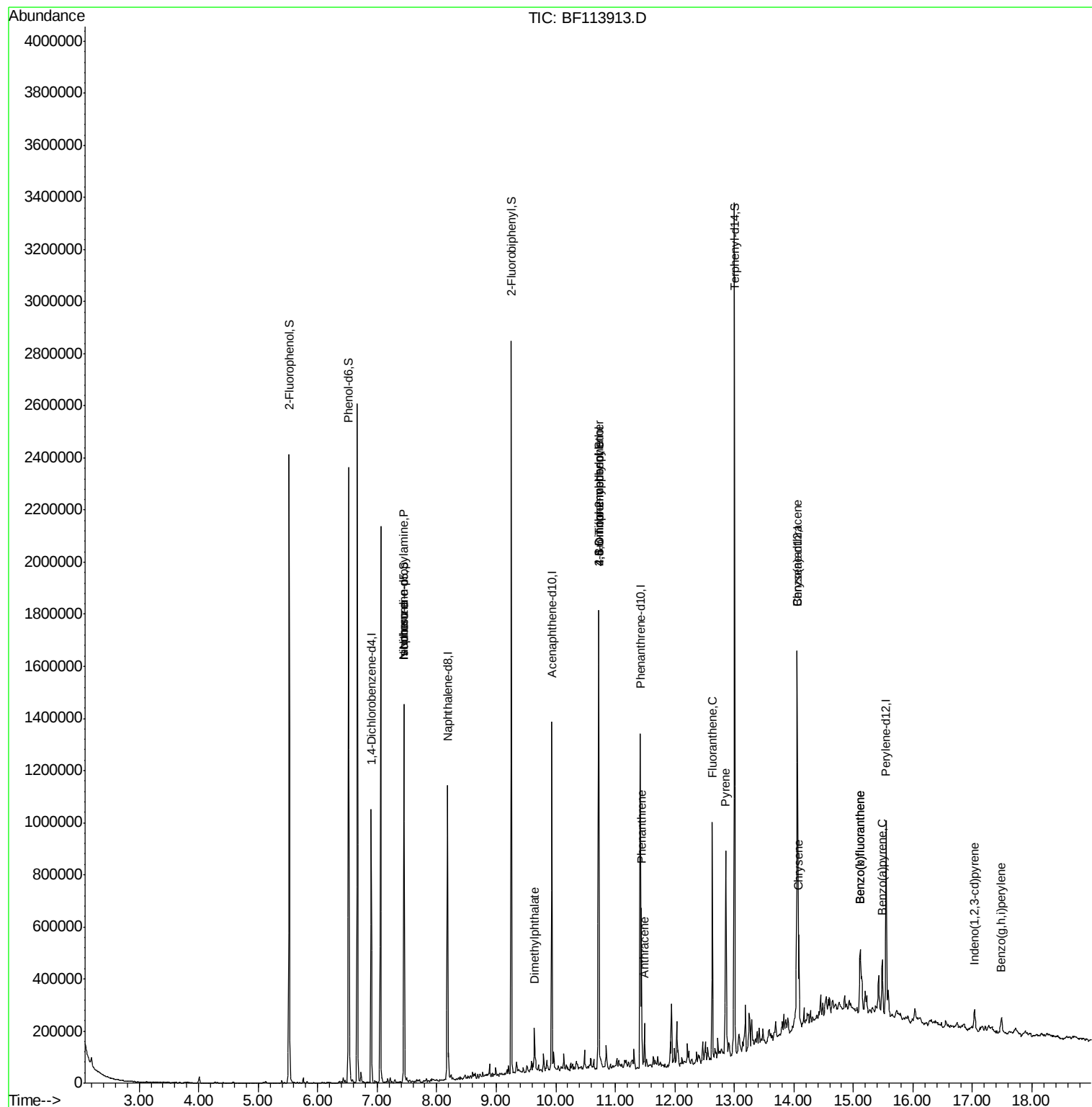
Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	1515	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	62063	8.962 ng	#	78
25) Isophorone	7.45	82	456633	27.114 ng	#	65
50) Dimethylphthalate	9.64	163	60098	3.356 ng		99
65) 4,6-Dinitro-2-methylphenol	10.72	198	496	7.486 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	15379	2.474 ng	#	1
71) Phenanthrene	11.44	178	228040	8.819 ng		99
72) Anthracene	11.49	178	61038	2.338 ng		99
75) Fluoranthene	12.63	202	381299	13.516 ng		94
78) Pyrene	12.86	202	334040	11.103 ng		99
81) Benzo(a)anthracene	14.05	228	168286	6.639 ng		95
83) Chrysene	14.08	228	146441	5.932 ng		97
86) Indeno(1,2,3-cd)pyrene	17.03	276	53514	2.288 ng	#	93
88) Benzo(b)fluoranthene	15.12	252	194820	8.820 ng	#	98
89) Benzo(k)fluoranthene	15.12	252	194820	10.254 ng		99
90) Benzo(a)pyrene	15.49	252	100601	5.265 ng		97
92) Benzo(a,h,i)perylene	17.49	276	47617	2.631 ng		99

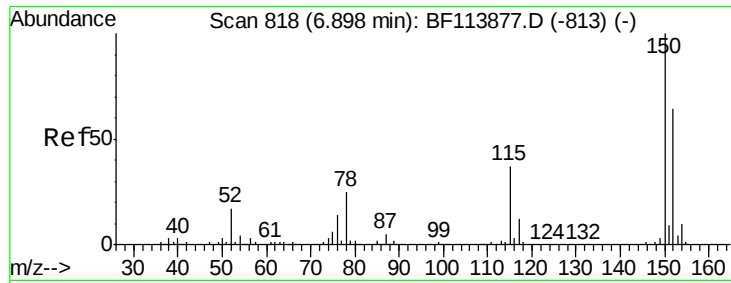
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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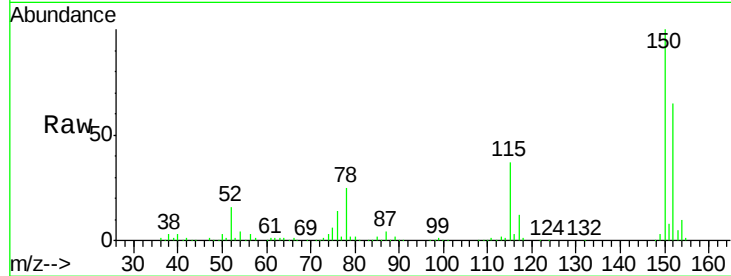


#1

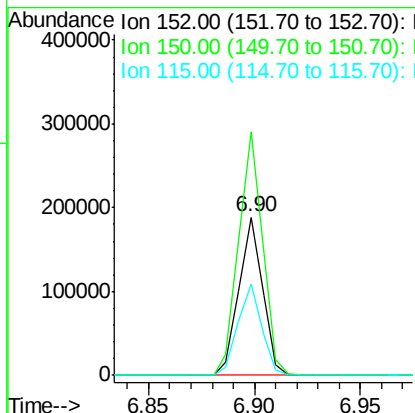
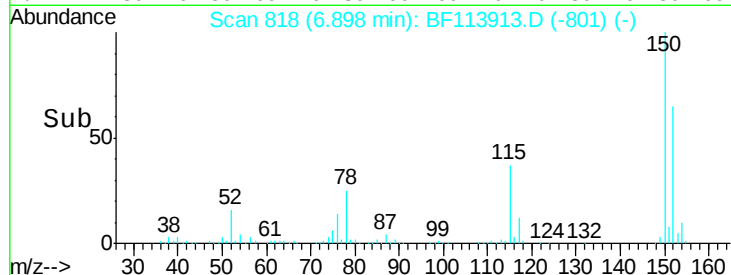
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

Instrument :
BNA_F
ClientSampleId :
M-COMP-4.18.19

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.9	188.9
115	57.6	45.9	68.9



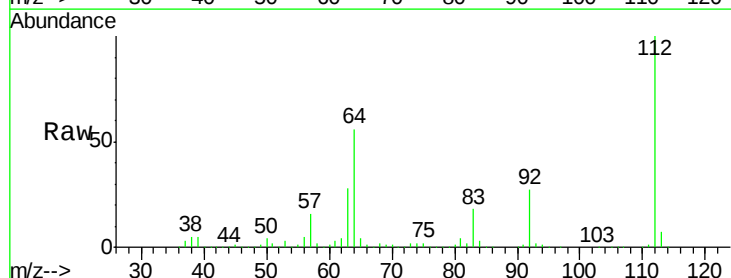
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



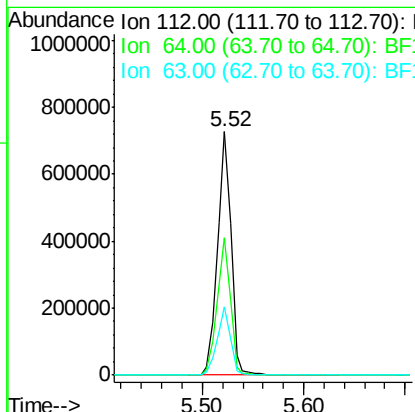
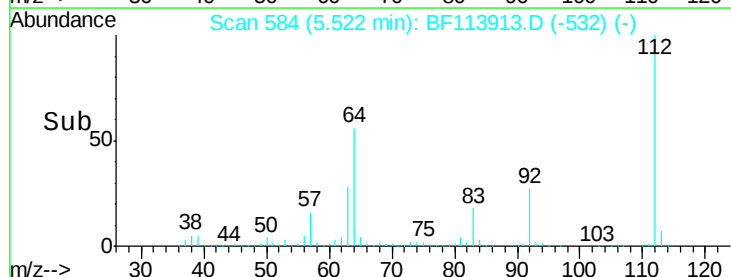
#5

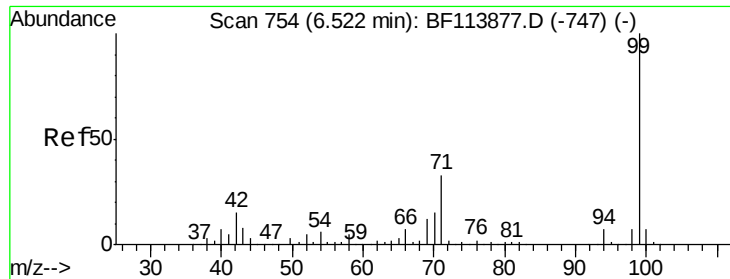
2-Fluorophenol
Concen: 79.744 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	69.8
63	28.1	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: 78.190 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

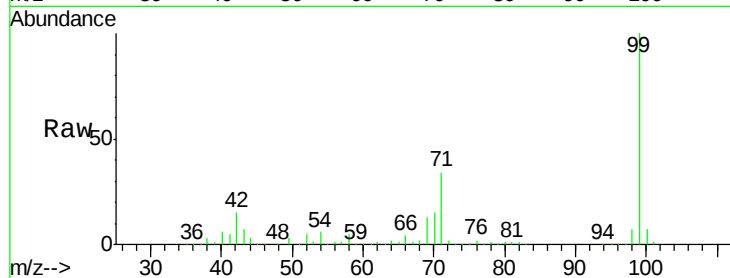
Tot Ion: 99 Resp: 836164

Ion Ratio Lower Upper

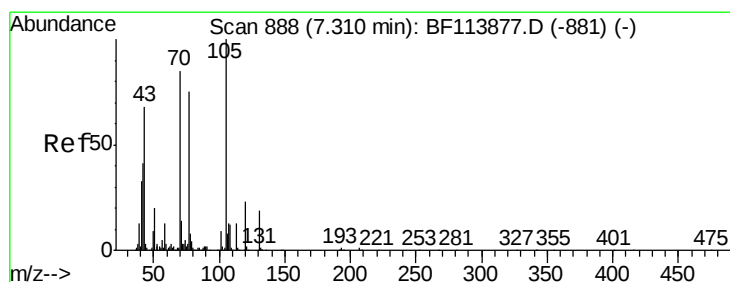
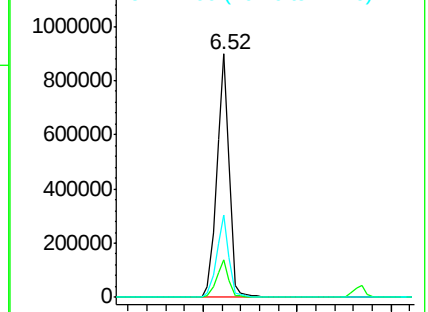
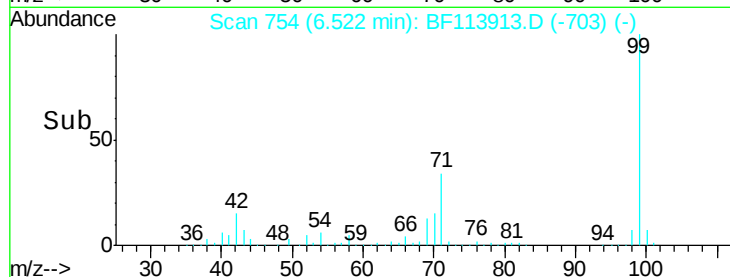
99 100

42 15.2 12.5 18.7

71 33.9 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: 8.962 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Tgt Ion: 70 Resp: 62063

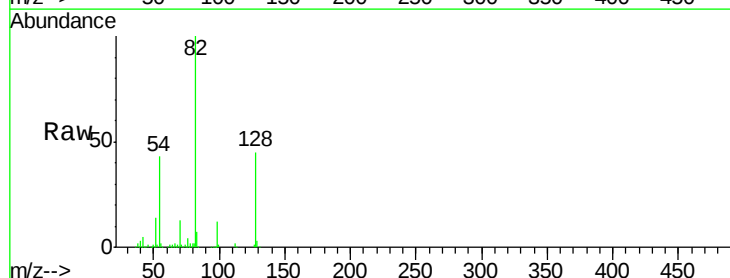
Ion Ratio Lower Upper

70 100

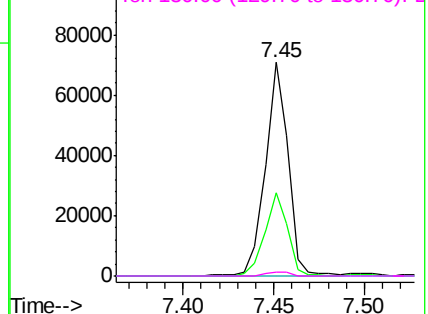
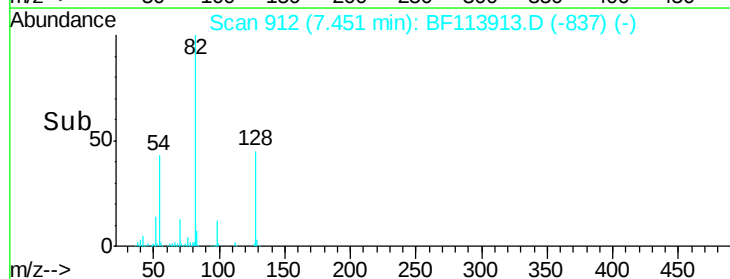
42 39.1 37.3 55.9

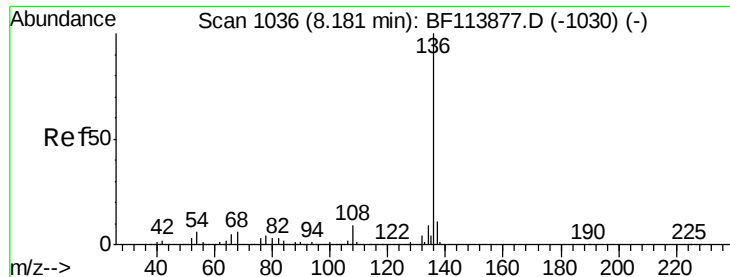
101 0.0 7.8 11.8#

130 1.7 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: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

Tot Ion:136 Resp: 508192

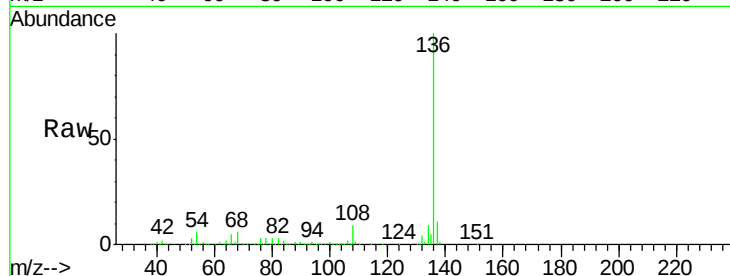
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.2 5.0 7.6

68 5.8 4.9 7.3

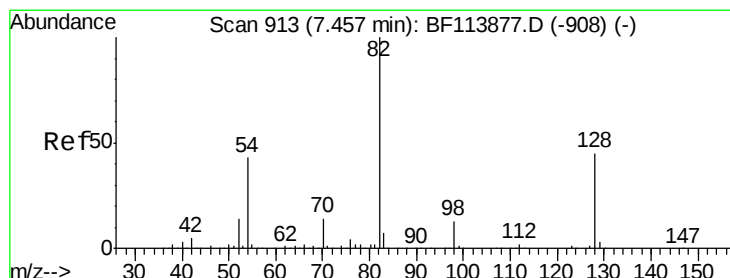
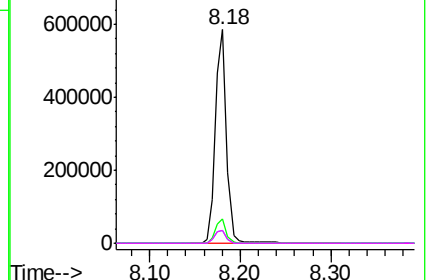
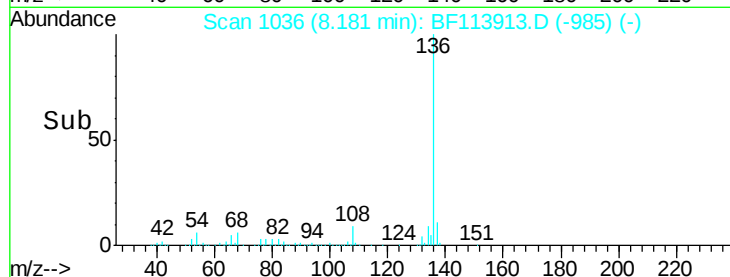


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.803 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

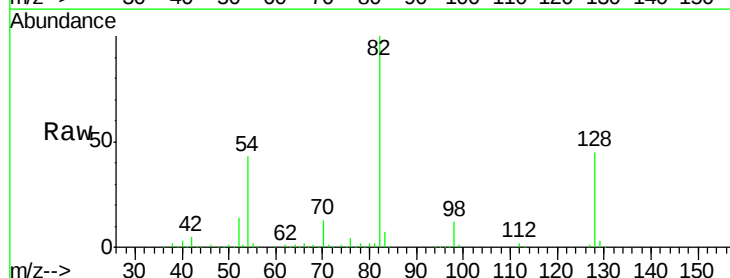
Tgt Ion: 82 Resp: 459294

Ion Ratio Lower Upper

82 100

128 45.1 36.8 55.2

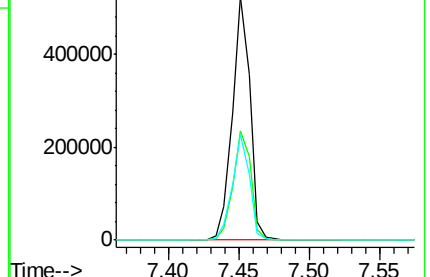
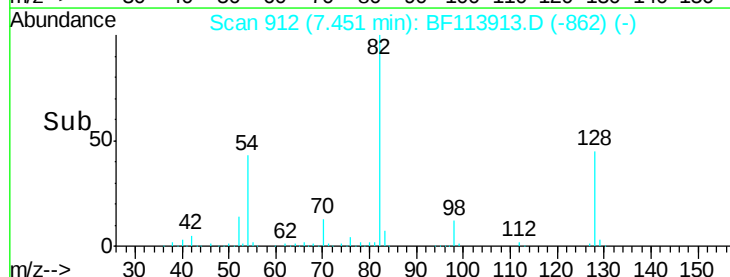
54 43.1 33.8 50.6



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: 27.114 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

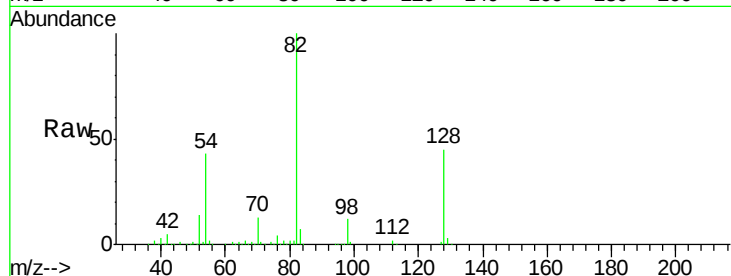
Tot Ion: 82 Resp: 456633

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

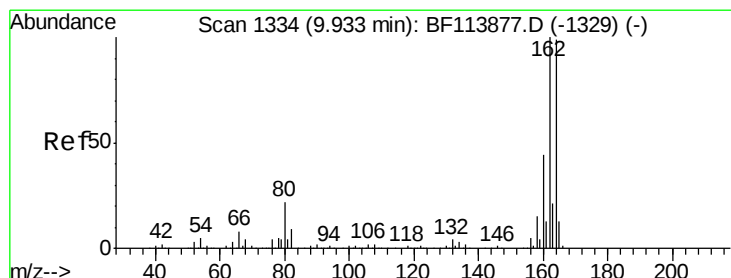
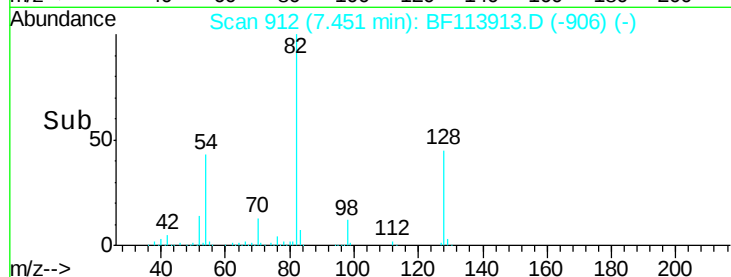
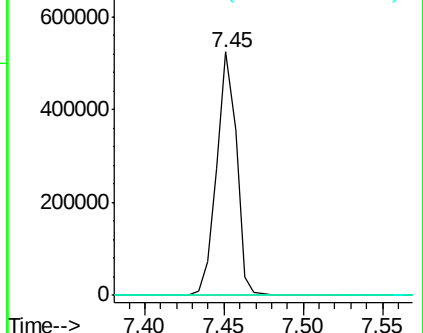
138 0.0 14.6 22.0#



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: BF113913.D

Acq: 23 Apr 2019 7:55

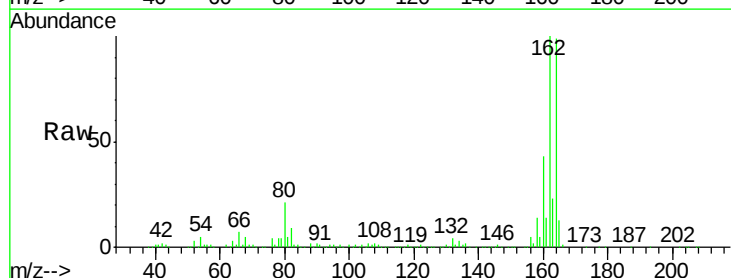
Tgt Ion:164 Resp: 247636

Ion Ratio Lower Upper

164 100

162 101.2 81.1 121.7

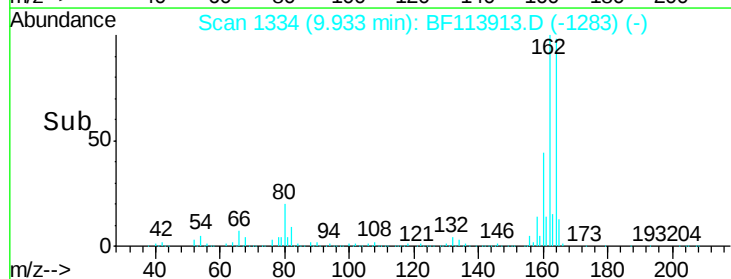
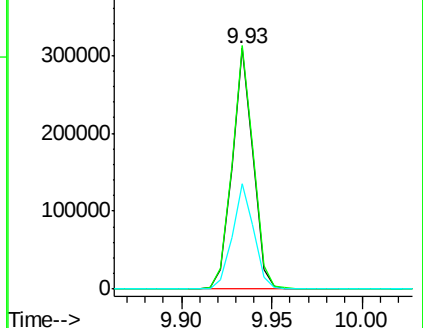
160 44.0 35.8 53.6

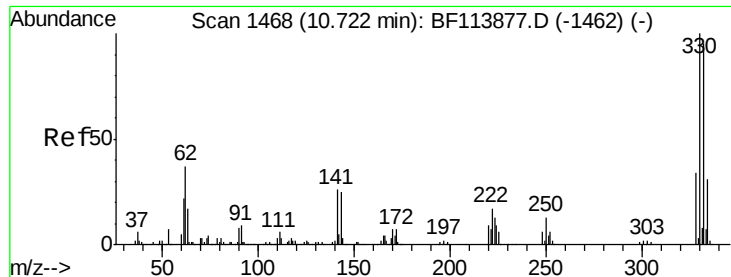


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

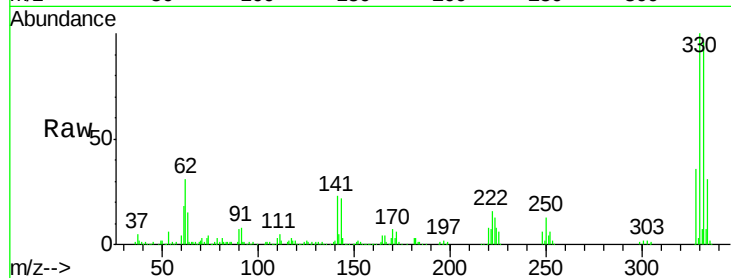




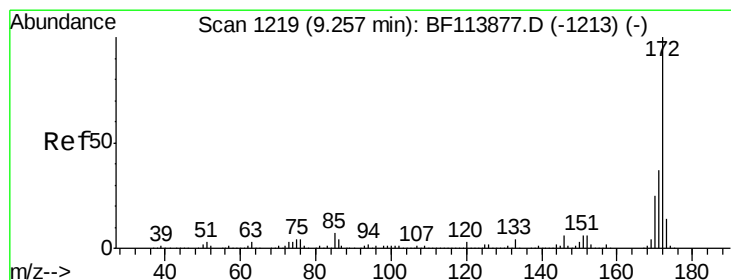
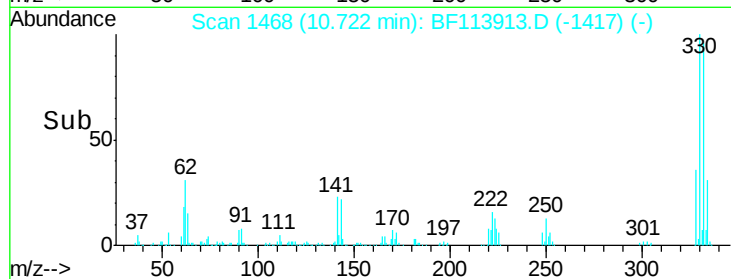
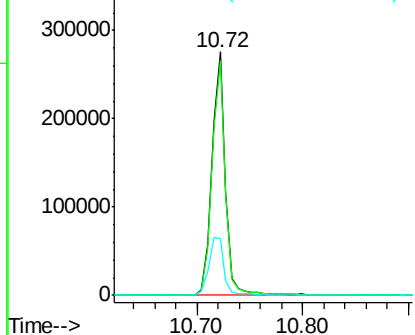
#42
 2,4,6-Tribromophenol
 Concen: 82.498 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

Instrument :
 BNA_F
 ClientSampleId :
 M-COMP-4.18.19

Tot Ion:330 Resp: 248873
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.5 116.3
 141 26.1 22.2 33.2

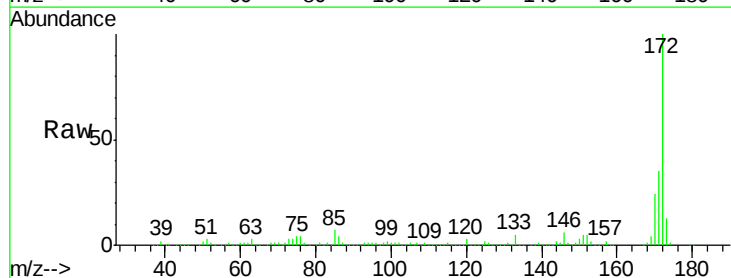


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

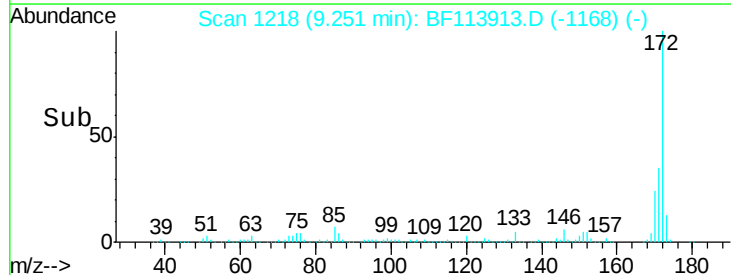
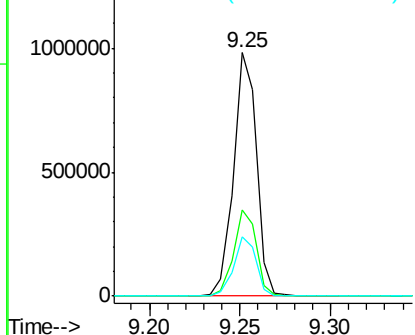


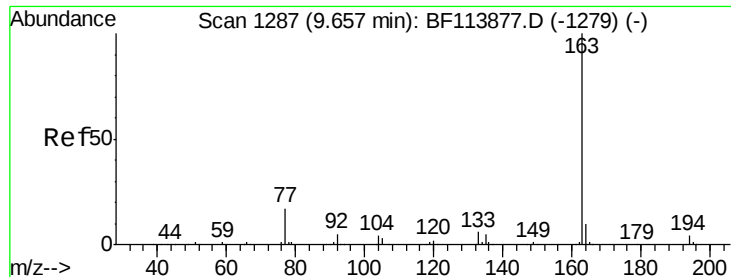
#45
 2-Fluorobiphenyl
 Concen: 54.784 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

Tgt Ion:172 Resp: 867403
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.0
 170 24.1 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: 3.356 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

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ClientSampleId :

M-COMP-4.18.19

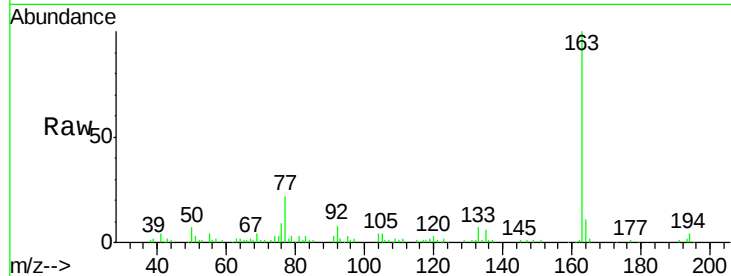
Tot Ion:163 Resp: 60098

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

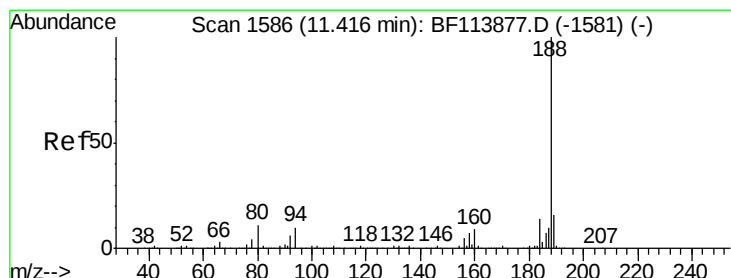
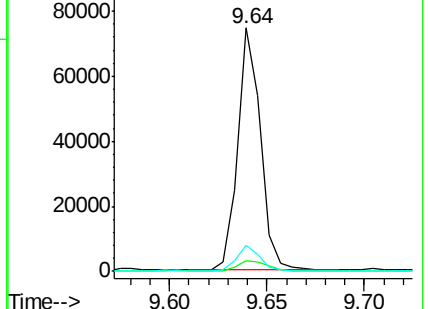
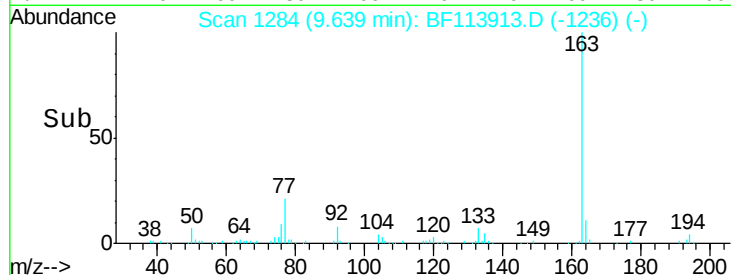
164 10.8 8.5 12.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

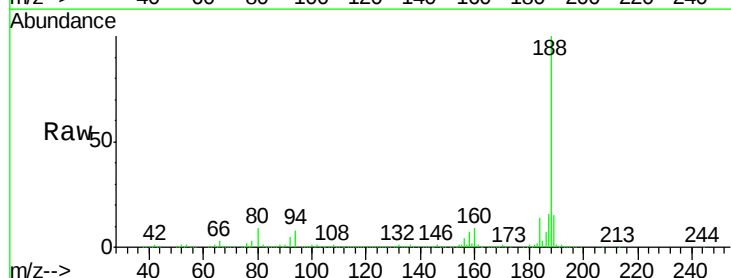
Tgt Ion:188 Resp: 514524

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.4#

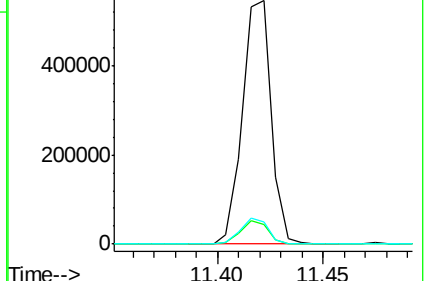
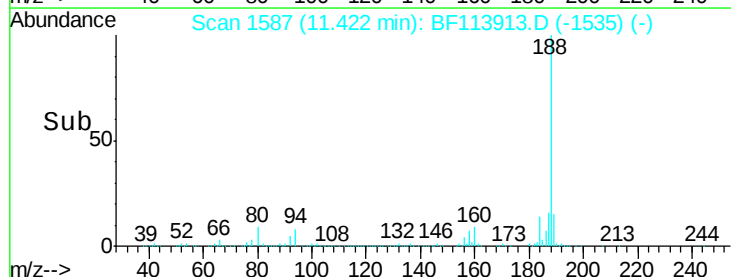
80 9.2 9.0 13.6

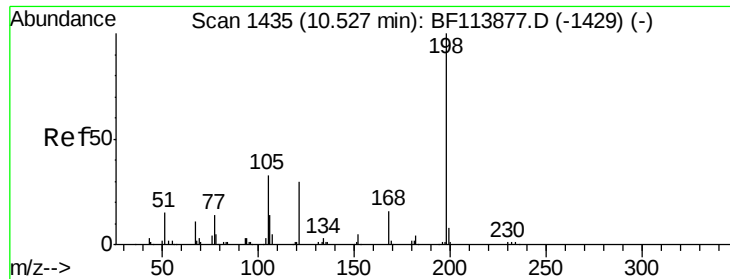


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.486 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

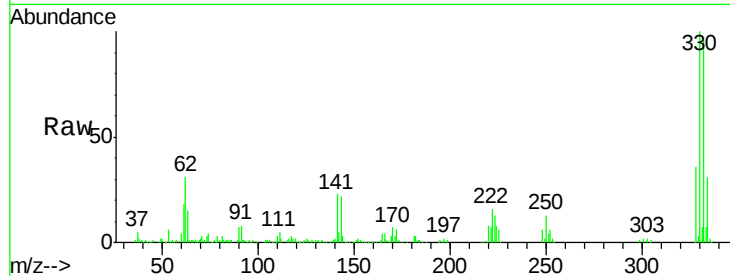
Tot Ion:198 Resp: 496

Ion Ratio Lower Upper

198 100

51 205.9 11.1 51.1#

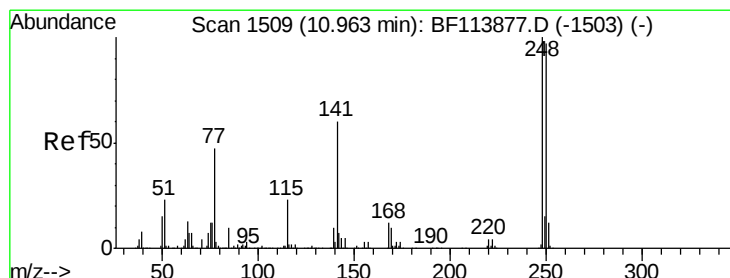
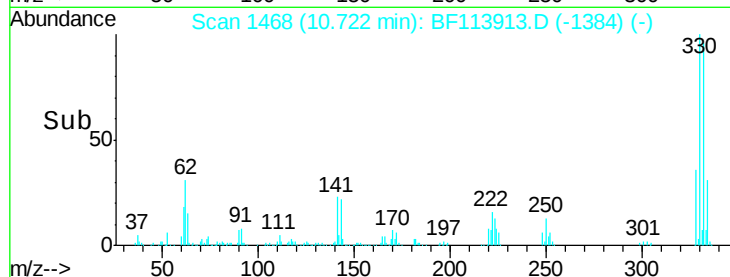
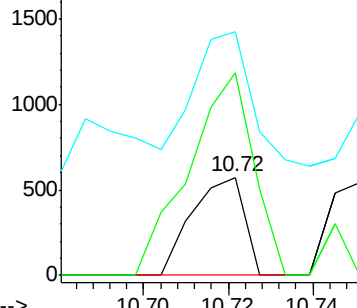
105 247.7 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.474 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

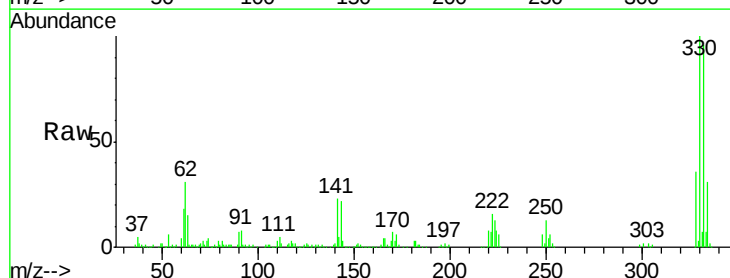
Tgt Ion:248 Resp: 15379

Ion Ratio Lower Upper

248 100

250 211.0 75.8 113.6#

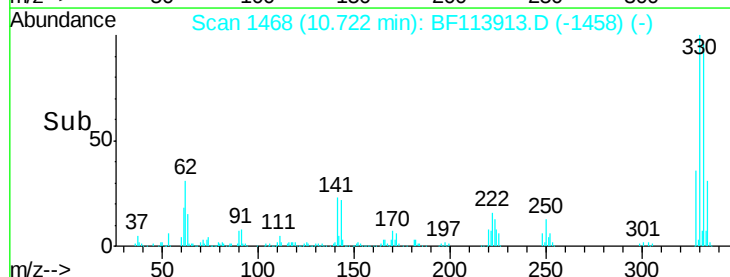
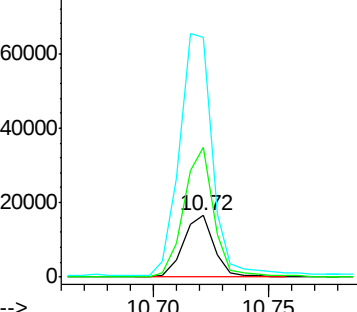
141 389.2 50.2 75.4#

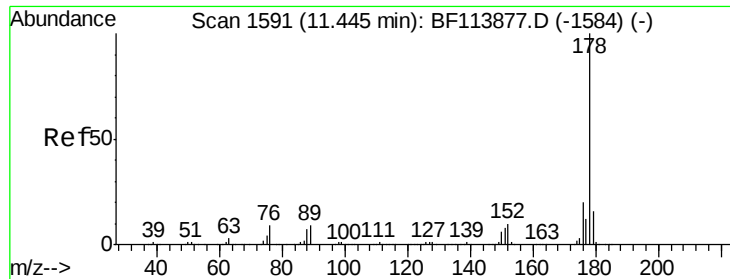


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

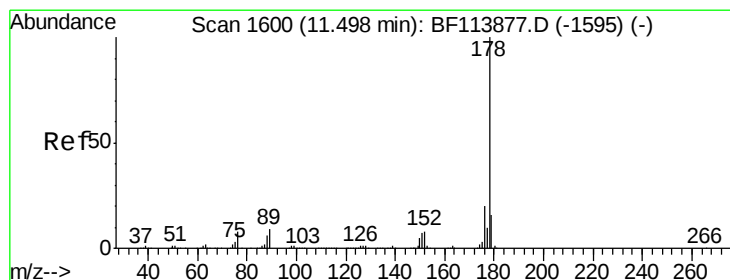
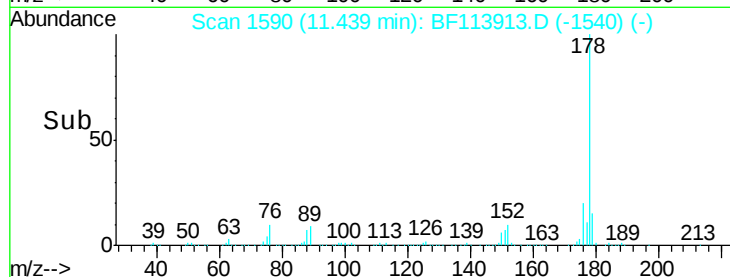
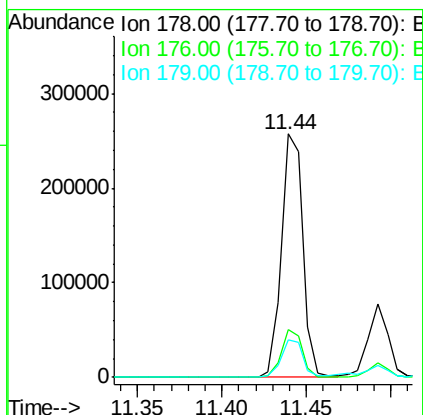
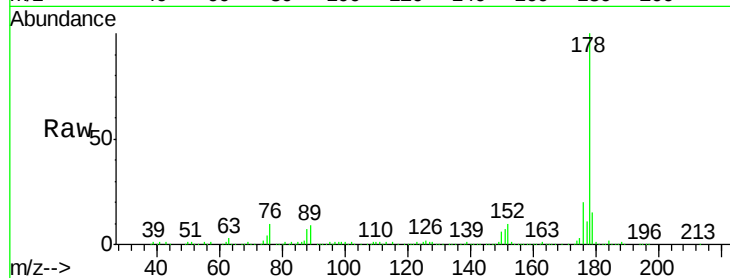




#71
 Phenanthrene
 Concen: 8.819 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

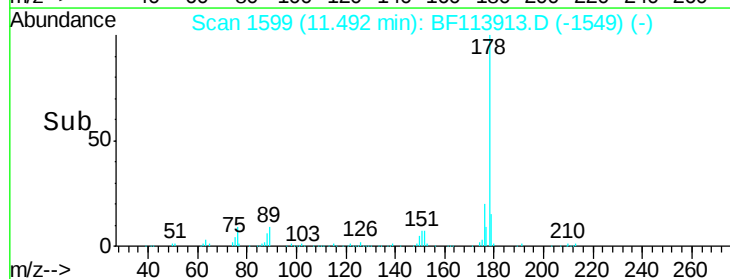
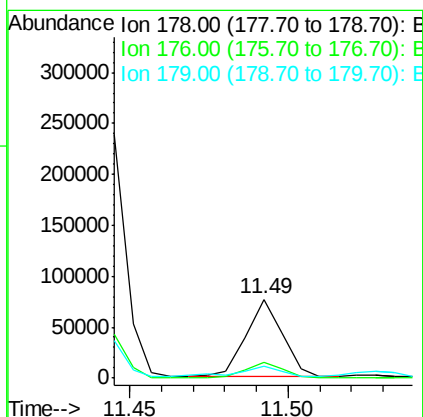
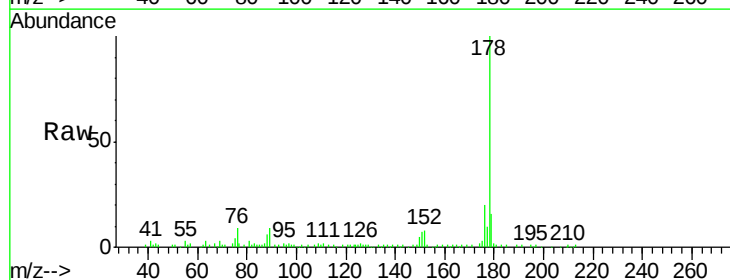
Instrument :
 BNA_F
 ClientSampleId :
 M-COMP-4.18.19

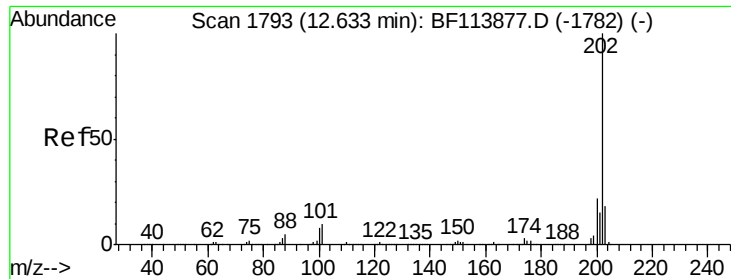
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.1	24.1
179	15.4	12.8	19.2



#72
 Anthracene
 Concen: 2.338 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.6	13.0	19.4





#75

Fluoranthene

Concen: 13.516 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

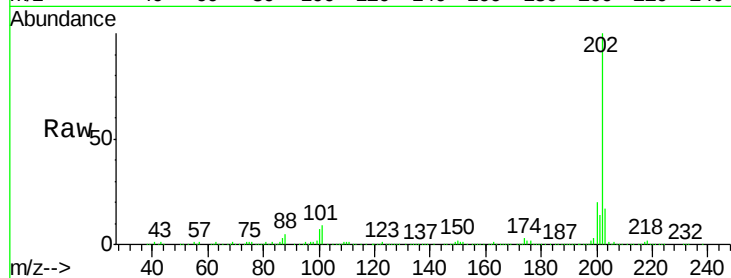
Tot Ion:202 Resp: 381299

Ion Ratio Lower Upper

202 100

101 9.3 0.0 32.9

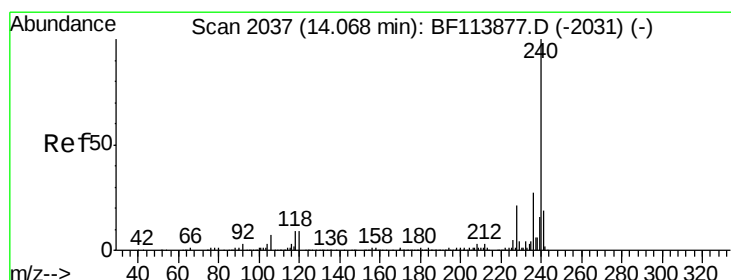
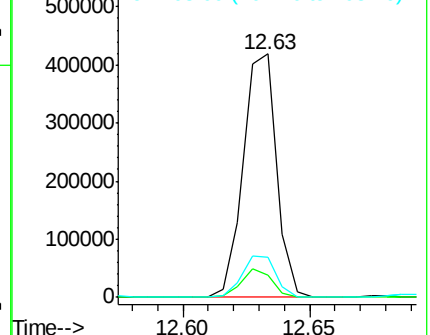
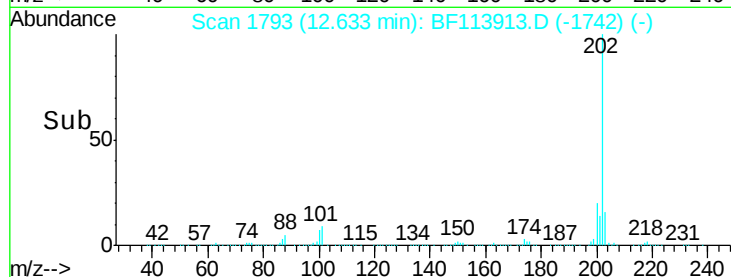
203 16.5 0.0 38.2



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: BF113913.D

Acq: 23 Apr 2019 7:55

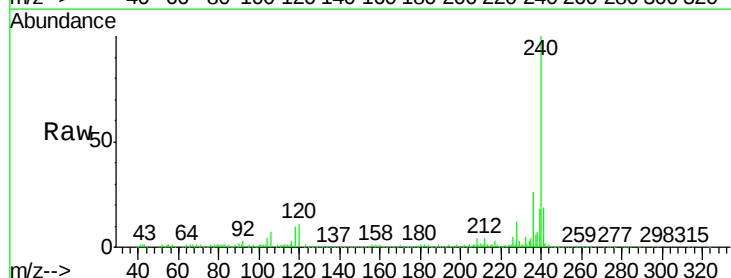
Tgt Ion:240 Resp: 430229

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

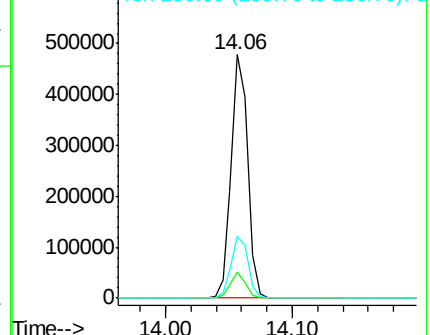
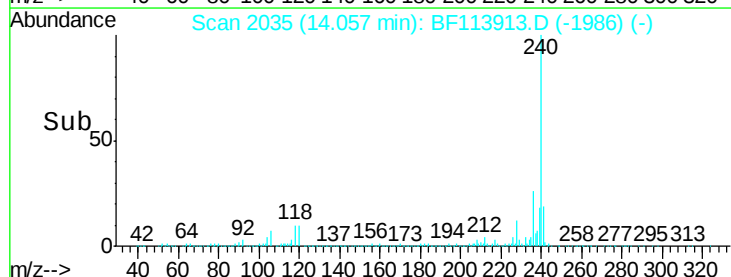
236 25.6 21.2 31.8

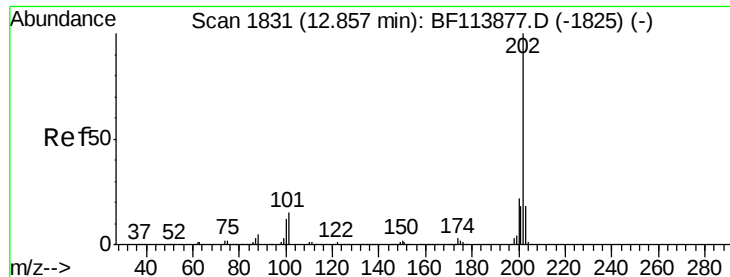


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

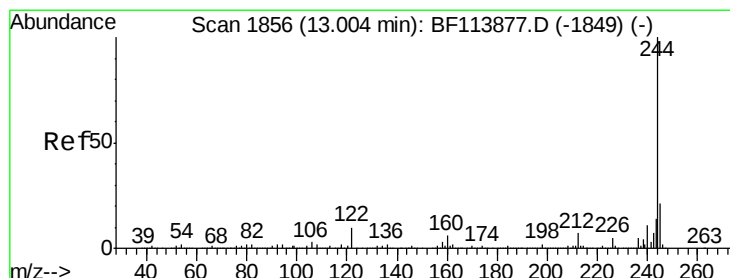
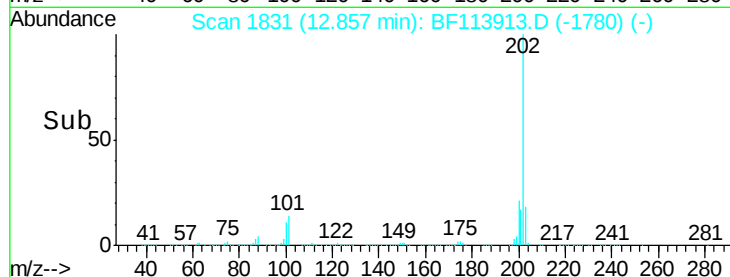
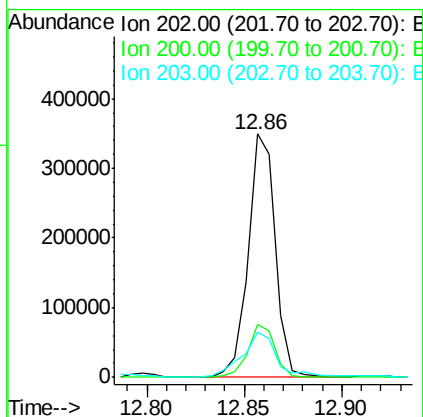
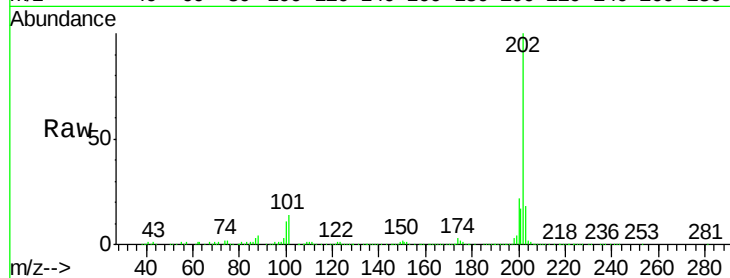




#78
Pvrene
Concen: 11.103 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

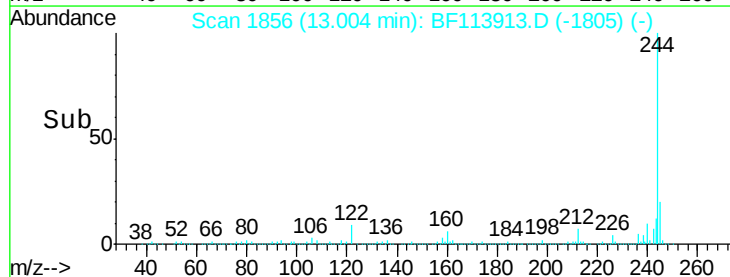
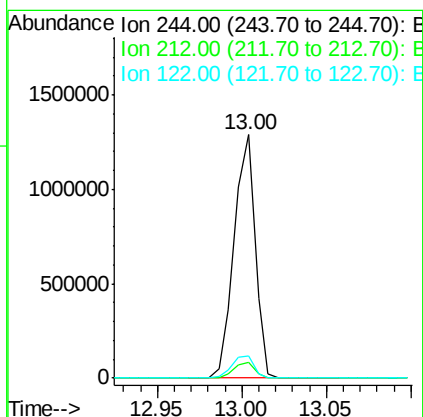
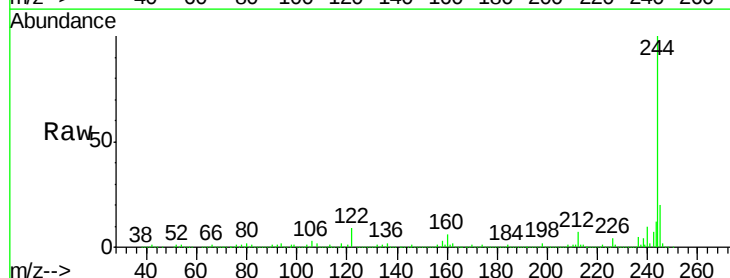
Instrument :
BNA_F
ClientSampleId :
M-COMP-4.18.19

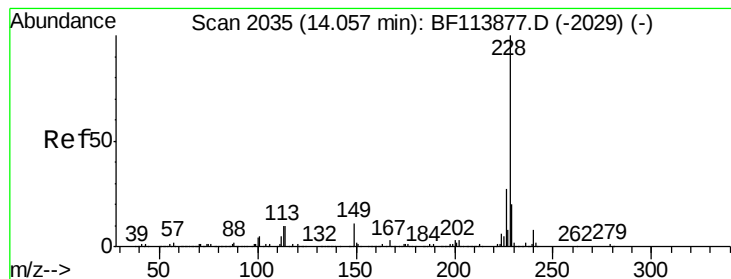
Tot Ion:202 Resp: 334040
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.4 15.0 22.6



#79
Terphenyl-d14
Concen: 53.330 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

Tgt Ion:244 Resp: 1119143
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 9.0 7.6 11.4





#81

Benzo(a)anthracene

Concen: 6.639 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

Instrument :

BNA_F

ClientSampleId :

M-COMP-4.18.19

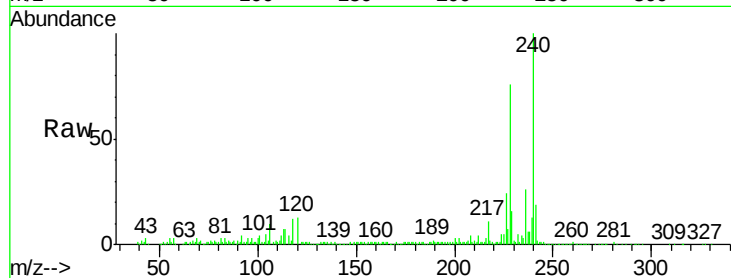
Tot Ion:228 Resp: 168286

Ion Ratio Lower Upper

228 100

226 31.0 22.2 33.2

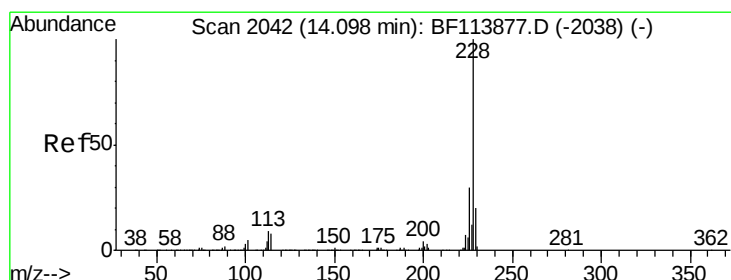
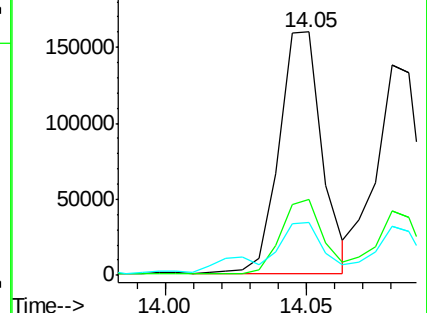
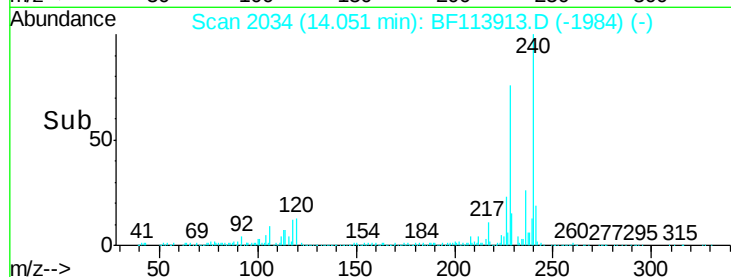
229 21.6 16.0 24.0



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: 5.932 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

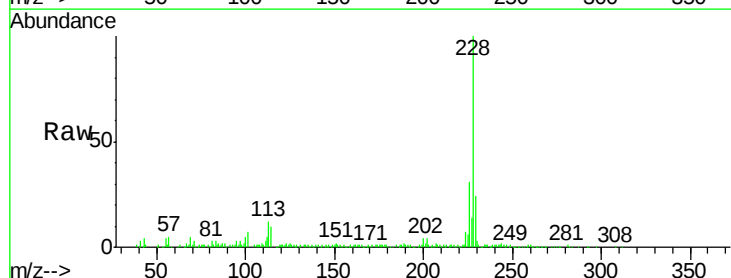
Tgt Ion:228 Resp: 146441

Ion Ratio Lower Upper

228 100

226 30.7 25.2 37.8

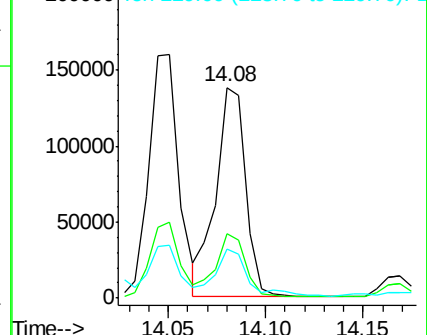
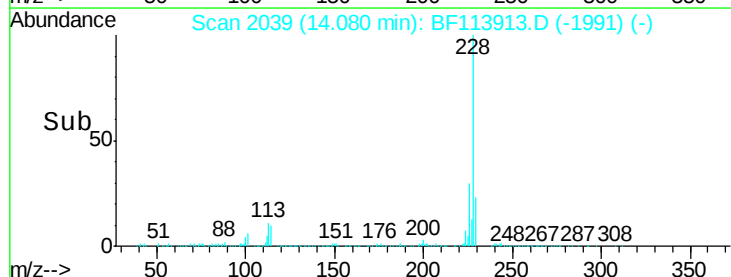
229 23.6 16.7 25.1

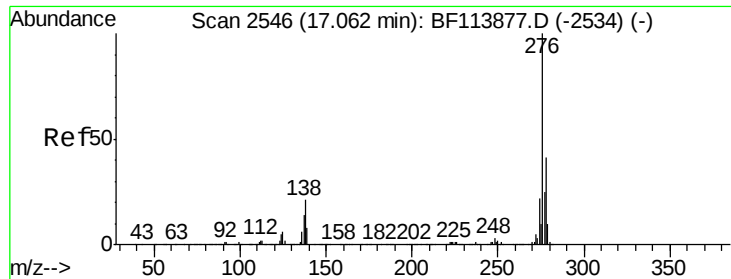


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

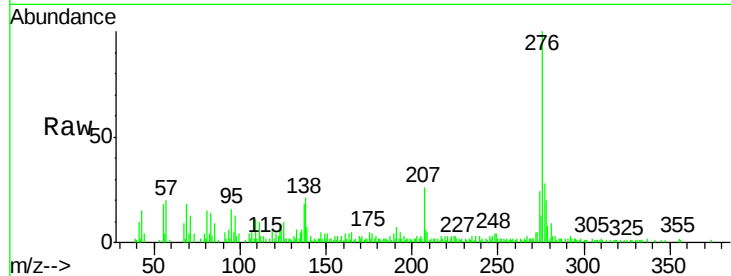




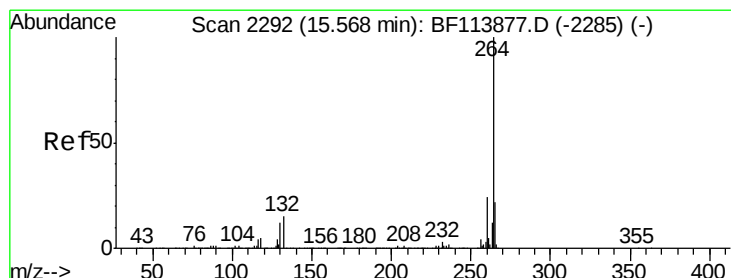
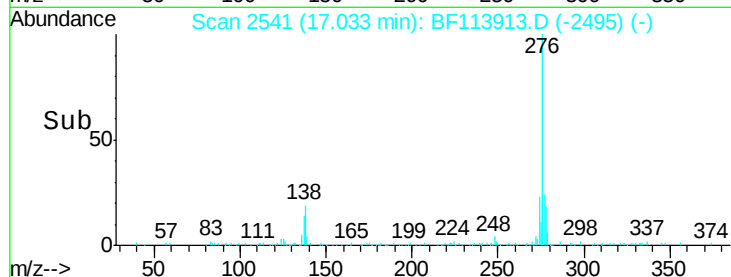
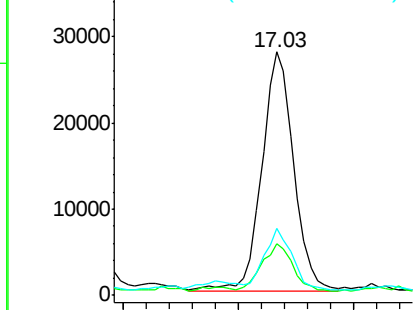
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.288 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.03 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

Instrument :
 BNA_F
 ClientSampleId :
 M-COMP-4.18.19

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.6	29.4#
277	23.0	20.2	30.4

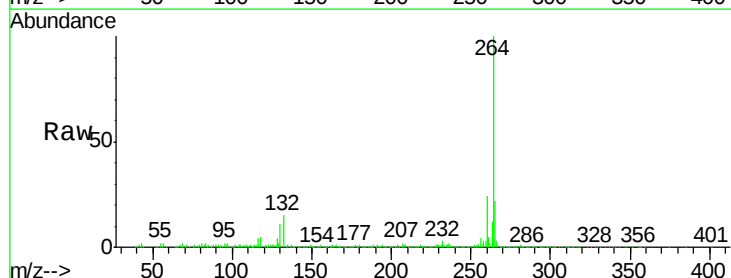


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

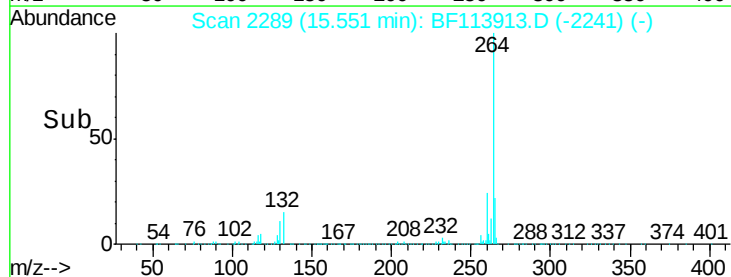
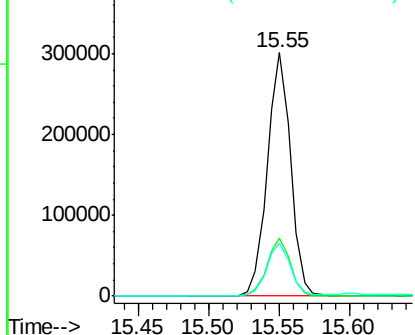


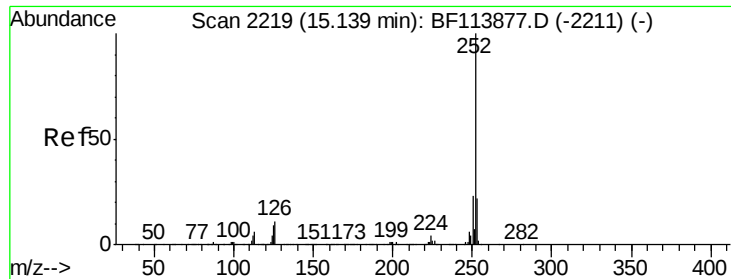
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BF113913.D
 Acq: 23 Apr 2019 7:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.9	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: 8.820 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF113913.D

Acq: 23 Apr 2019 7:55

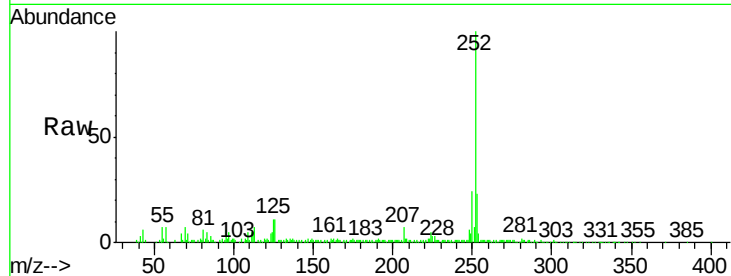
Instrument :

BNA_F

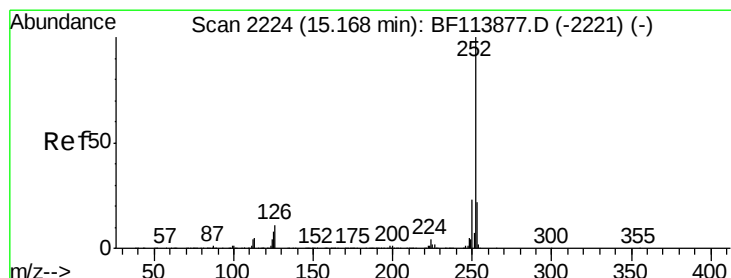
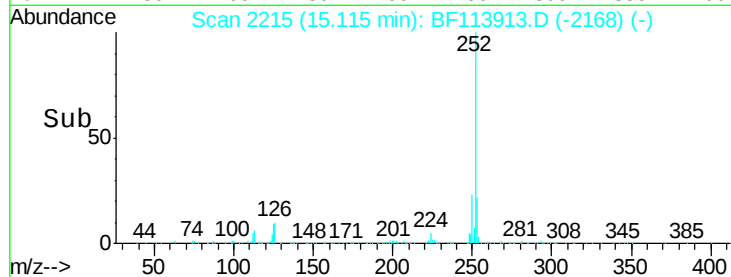
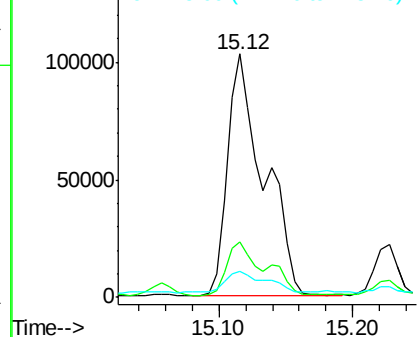
ClientSampleId :

M-COMP-4.18.19

Tot Ion:	252	Resp:	194820
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	10.9	7.0	10.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 10.254 ng

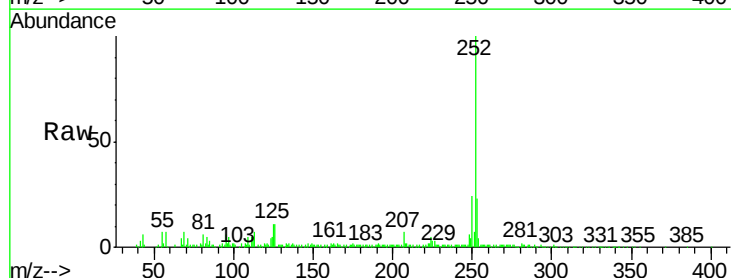
RT: 15.12 min Scan# 2215

Delta R.T. -0.05 min

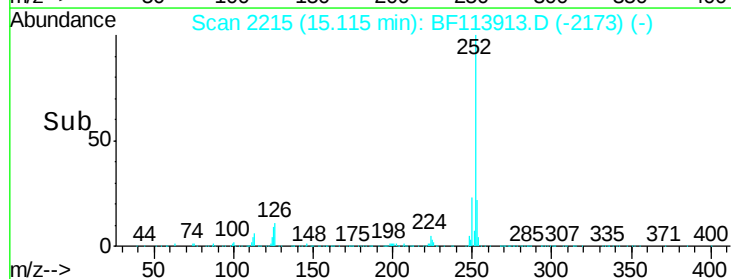
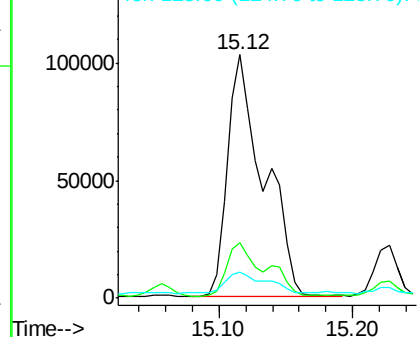
Lab File: BF113913.D

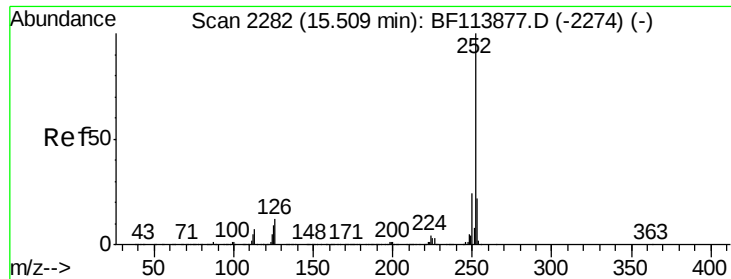
Acq: 23 Apr 2019 7:55

Tgt Ion:	252	Resp:	194820
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	10.9	7.4	11.2



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

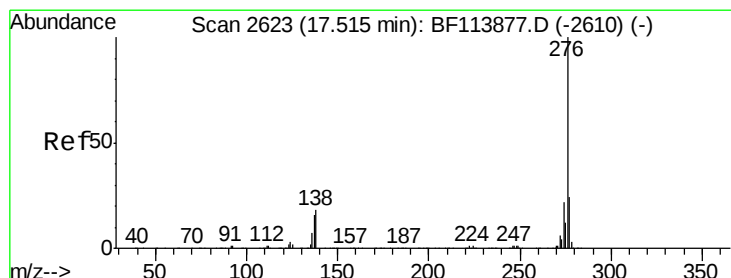
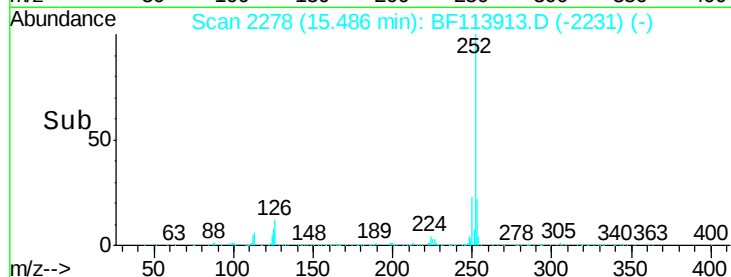
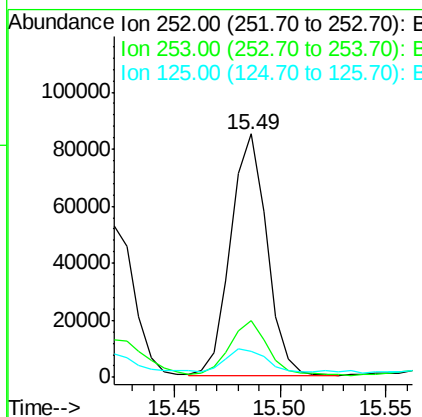
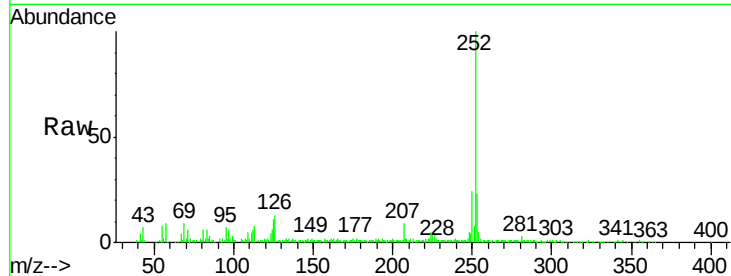




#90
Benzo(a)pyrene
Concen: 5.265 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

Instrument :
BNA_F
ClientSampleId :
M-COMP-4.18.19

Tot Ion:252 Resp: 100601
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.9 8.5 12.7



#92
Benzo(g,h,i)perylene
Concen: 2.631 ng
RT: 17.49 min Scan# 2618
Delta R.T. -0.03 min
Lab File: BF113913.D
Acq: 23 Apr 2019 7:55

Tgt Ion:276 Resp: 47617
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 19.8 16.6 25.0

