

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113919.D
 Acq On : 23 Apr 2019 14:47
 Operator : JU/SJ
 Sample : K2532-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 15:39:14 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	142312	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	541458	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	283476	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	534231	20.00	ng	0.00
76) Chrysene-d12	14.06	240	343025	20.00	ng	-0.01
87) Perylene-d12	15.54	264	410685	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	961987	115.61	ng	0.01
7) Phenol-d6	6.53	99	1251331	119.87	ng	0.00
23) Nitrobenzene-d5	7.46	82	771264	87.95	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	405603	117.45	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1519911	83.86	ng	0.00
79) Terphenyl-d14	13.00	244	1570562	93.87	ng	0.00

Target Compounds

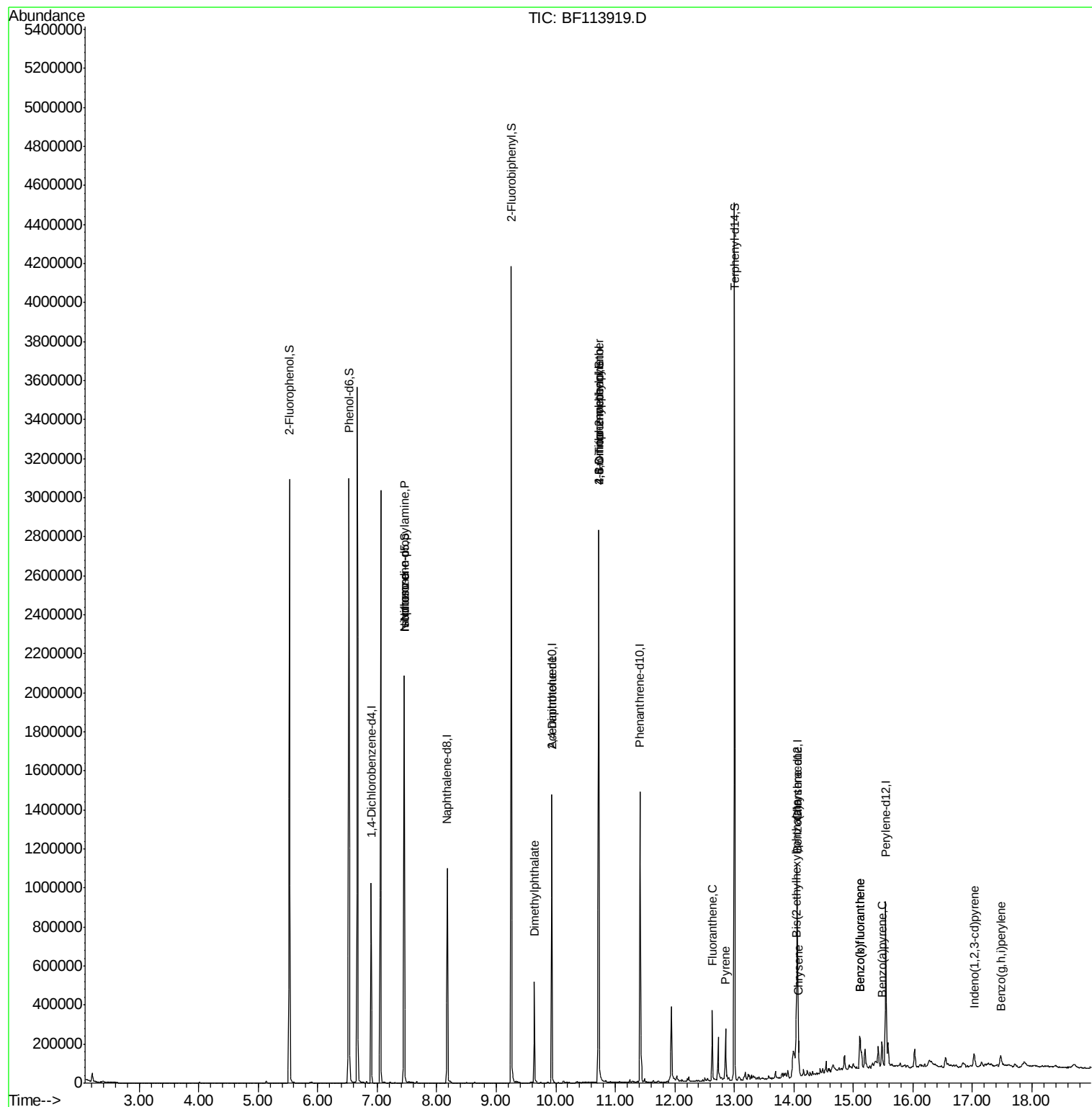
						Qvalue
9) Benzaldehyde	6.67	77	23088	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.46	70	103766	15.349 ng	#	76
25) Isophorone	7.46	82	771257	42.982 ng	#	65
50) Dimethylphthalate	9.64	163	211635	10.323 ng		98
57) 2,4-Dinitrotoluene	9.93	165	36068	6.497 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	735	7.563 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	24897	3.858 ng	#	1
75) Fluoranthene	12.63	202	129881	4.434 ng		96
78) Pyrene	12.86	202	104959	4.375 ng		96
81) Benzo(a)anthracene	14.04	228	54422	2.693 ng		99
83) Chrysene	14.08	228	61817	3.141 ng		98
84) Bis(2-ethylhexyl)phthalate	14.04	149	35821	2.983 ng		98
86) Indeno(1,2,3-cd)pyrene	17.03	276	51446	2.759 ng		95
88) Benzo(b)fluoranthene	15.11	252	125285	4.822 ng		97
89) Benzo(k)fluoranthene	15.11	252	125285	5.605 ng		98
90) Benzo(a)pyrene	15.48	252	62109	2.764 ng		99
92) Benzo(a,h,i)perylene	17.47	276	47044	2.210 ng		97

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

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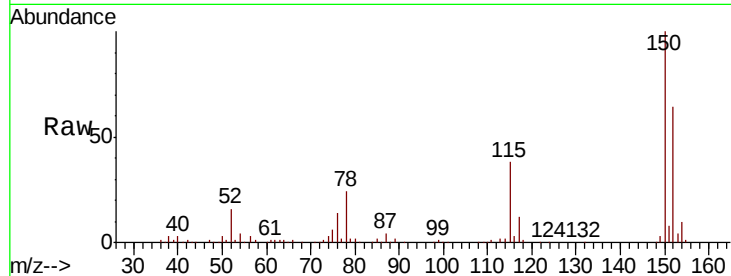


#1

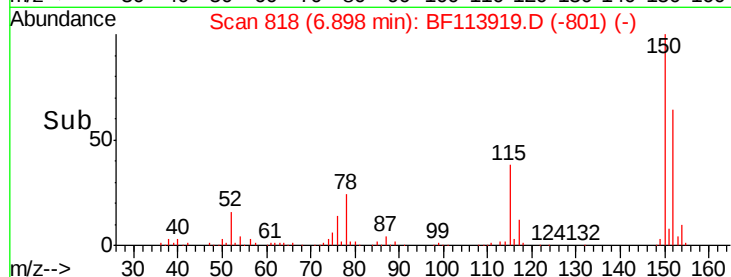
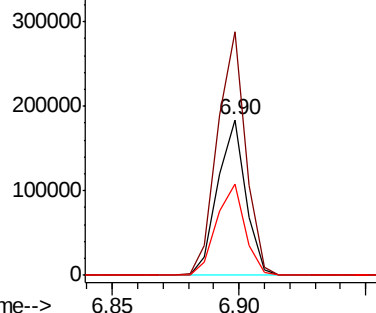
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142312
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 58.9 45.9 68.9



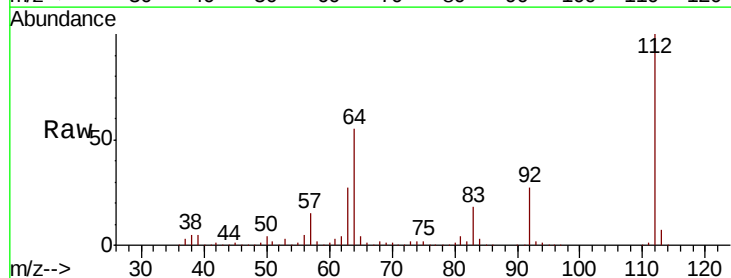
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



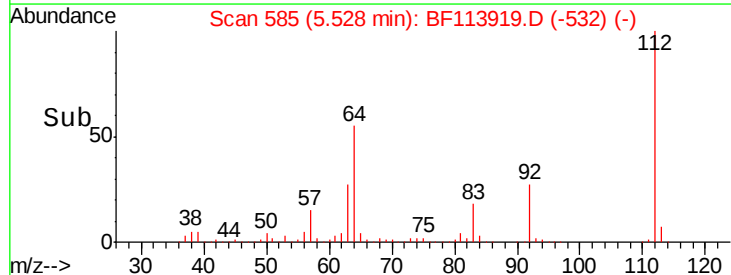
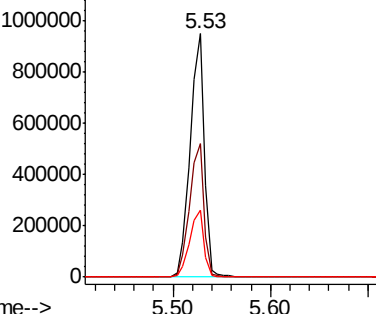
#5

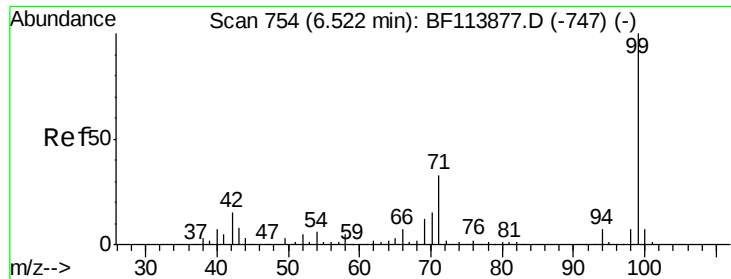
2-Fluorophenol
Concen: 115.615 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion:112 Resp: 961987
Ion Ratio Lower Upper
112 100
64 54.8 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: 119.869 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Instrument :

BNA_F

ClientSampleId :

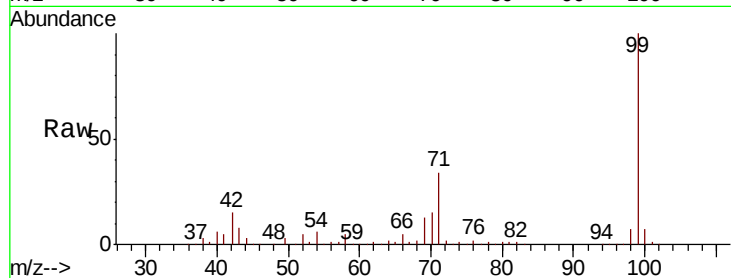
Tot Ion: 99 Resp: 1251331

Ion Ratio Lower Upper

99 100

42 15.3 12.5 18.7

71 34.1 26.9 40.3

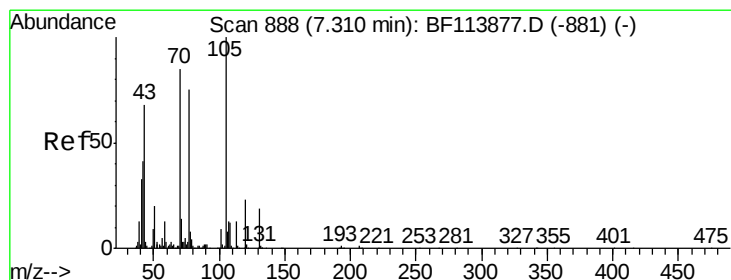
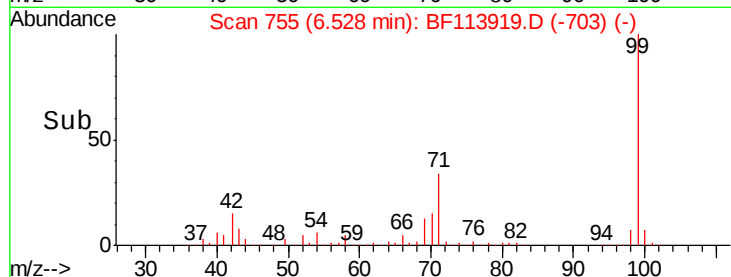
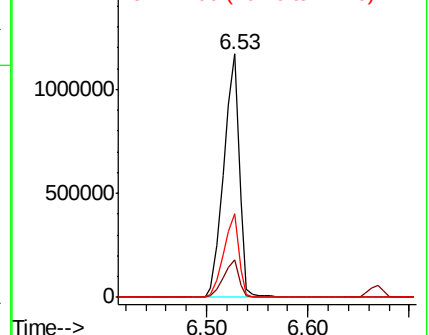


Abundance

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: 15.349 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Tgt Ion: 70 Resp: 103766

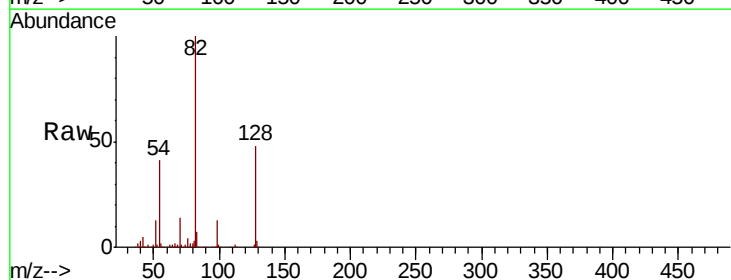
Ion Ratio Lower Upper

70 100

42 36.6 37.3 55.9#

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#



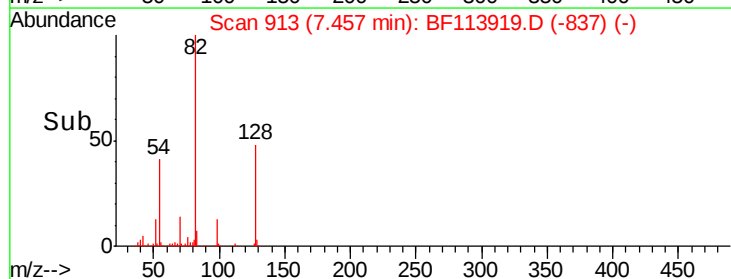
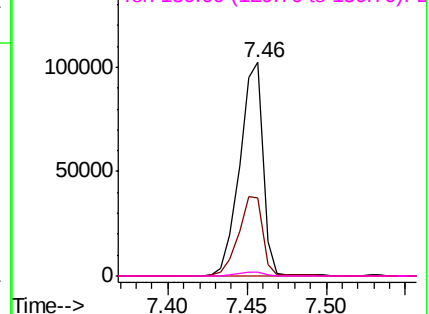
Abundance

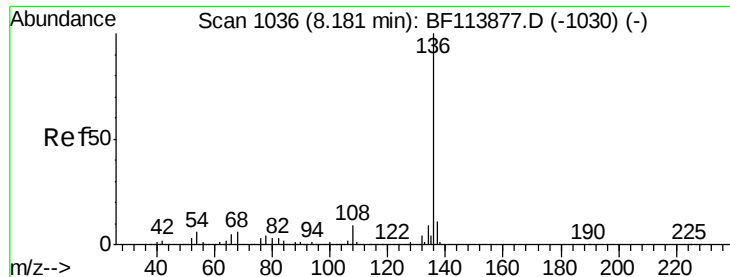
Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 541458

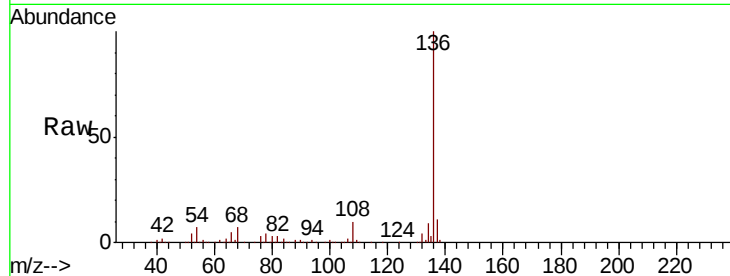
Ion Ratio Lower Upper

136 100

137 11.5 8.6 12.8

54 6.7 5.0 7.6

68 6.8 4.9 7.3

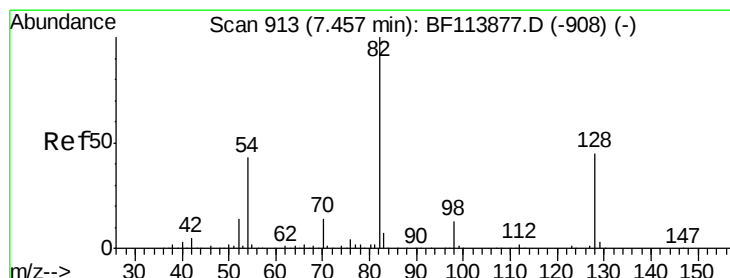
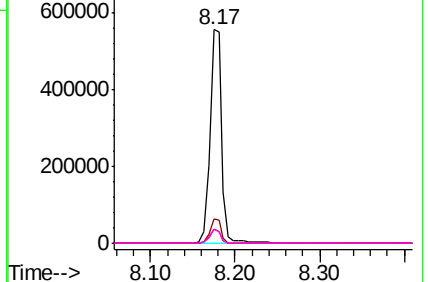
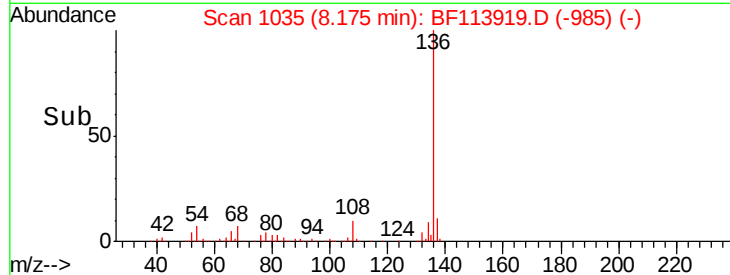


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.949 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

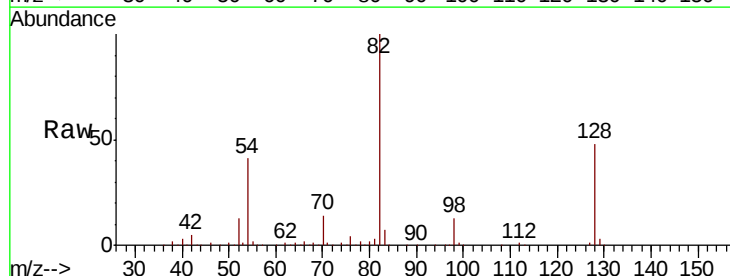
Tgt Ion: 82 Resp: 771264

Ion Ratio Lower Upper

82 100

128 48.0 36.8 55.2

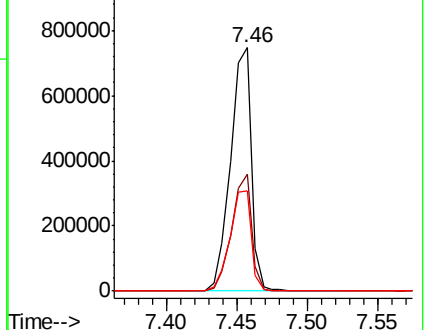
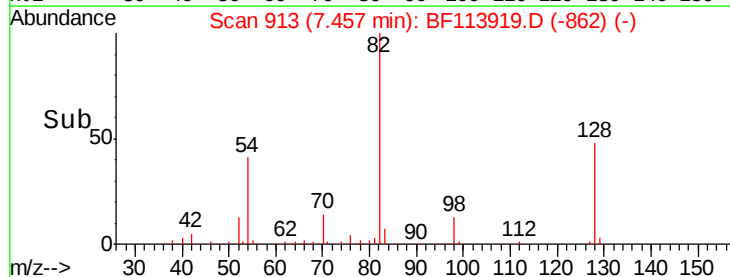
54 41.4 33.8 50.6



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: 42.982 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Instrument :

BNA_F

ClientSampleId :

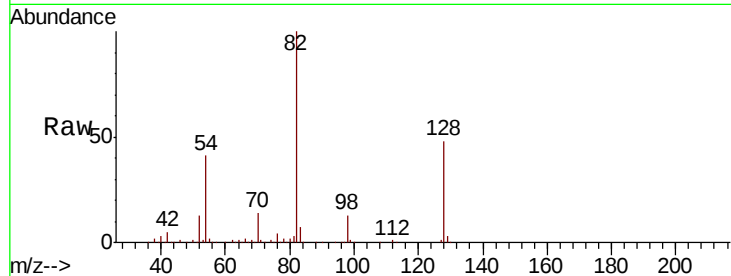
Tot Ion: 82 Resp: 771257

Ion Ratio Lower Upper

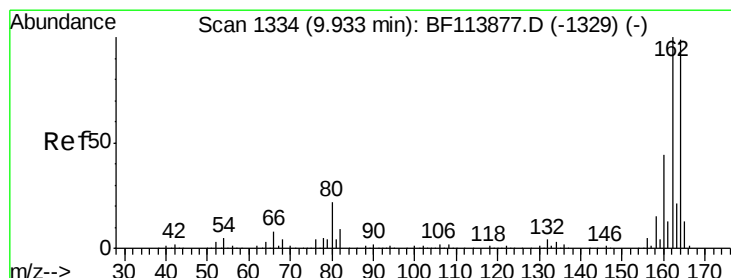
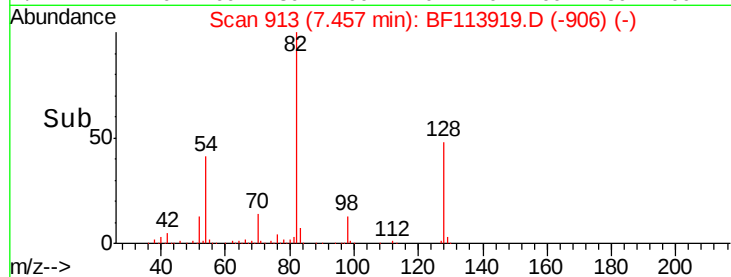
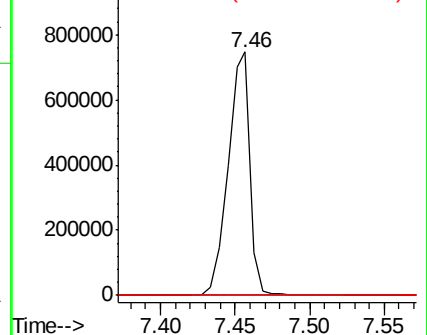
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

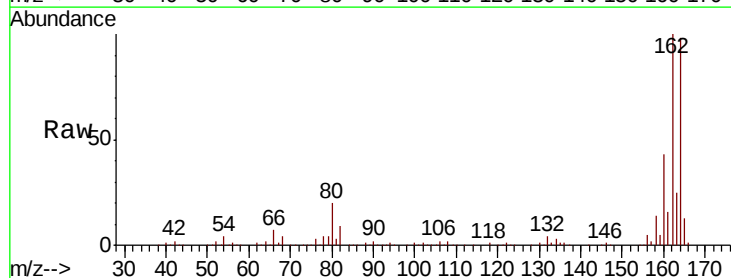
Tgt Ion:164 Resp: 283476

Ion Ratio Lower Upper

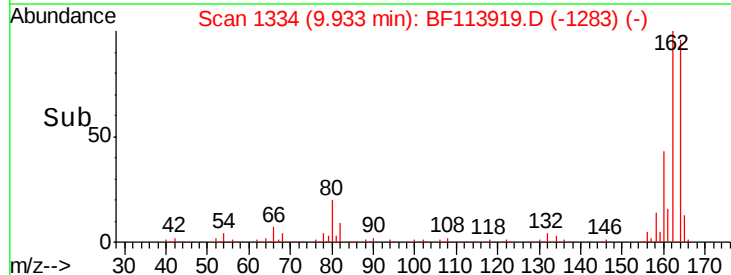
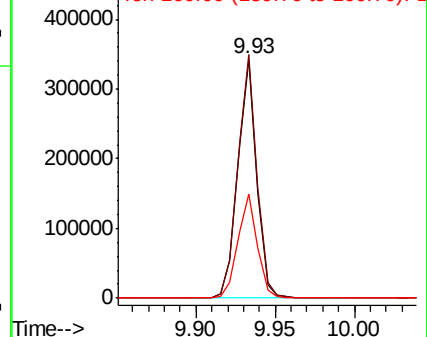
164 100

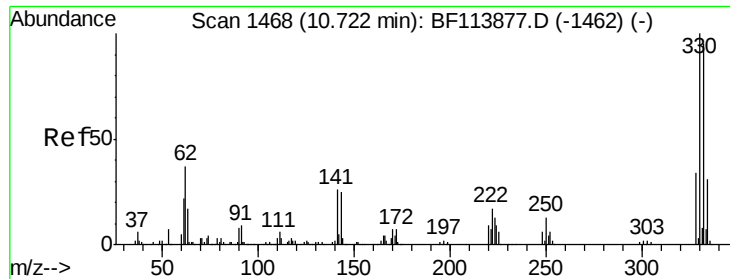
162 102.0 81.1 121.7

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

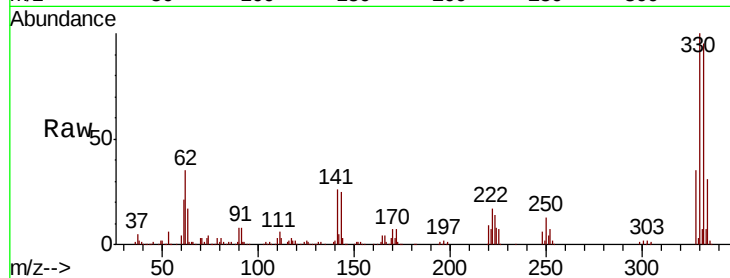




#42
 2,4,6-Tribromophenol
 Concen: 117.453 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.5	116.3
141	26.7	22.2	33.2

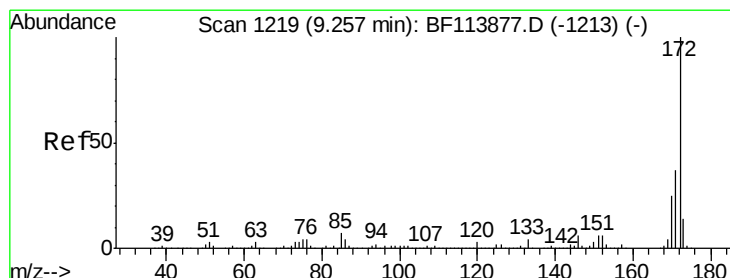
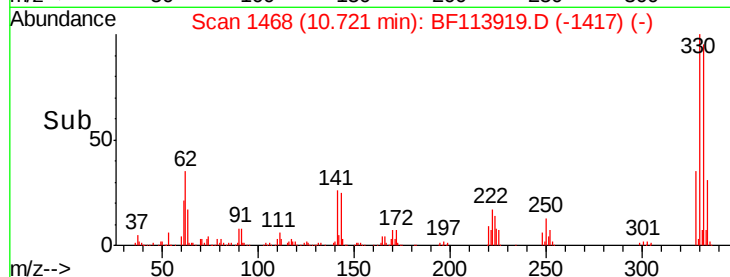
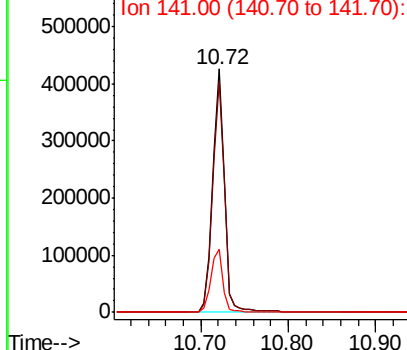


Abundance

Ion 329.80 (329.50 to 330.50): E

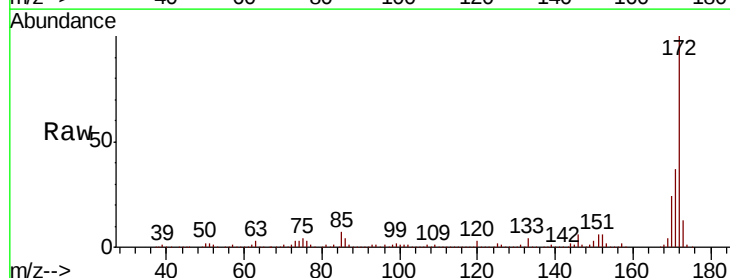
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.858 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.4	19.9	29.9

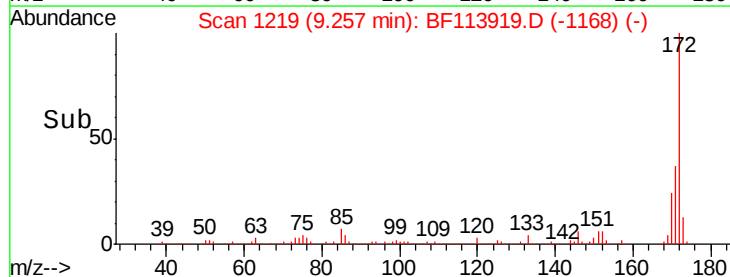
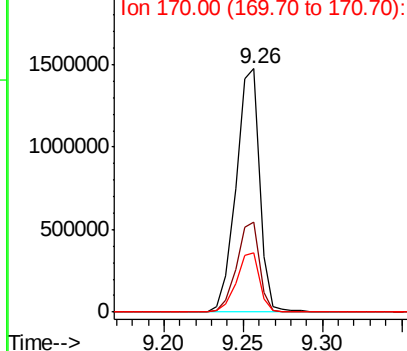


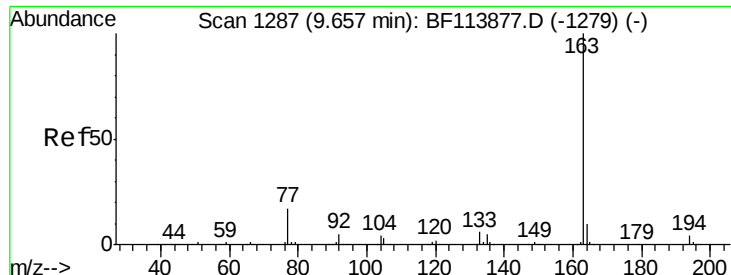
Abundance

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

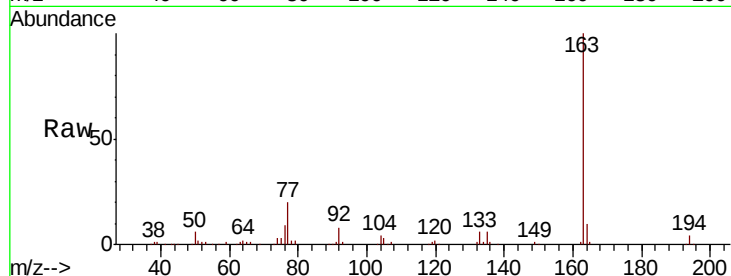




#50
Dimethylphthalate
Concen: 10.323 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	9.9	8.5	12.7

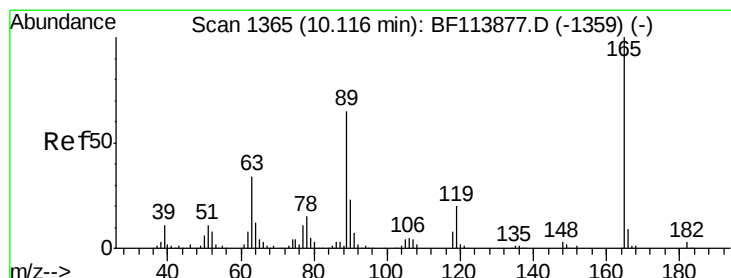
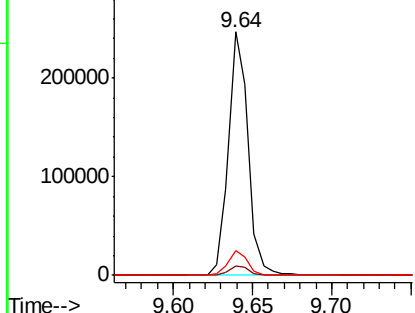
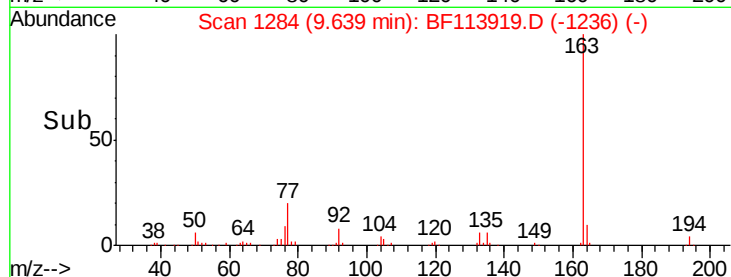


Abundance

Ion 163.00 (162.70 to 163.70): E

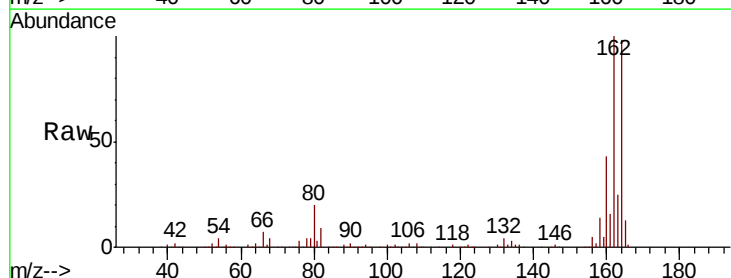
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.497 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.4	41.0#
89	1.2	51.8	77.6#
182	0.0	2.2	3.2#



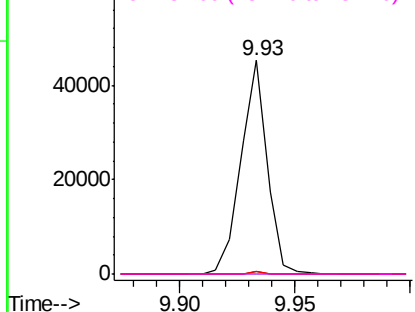
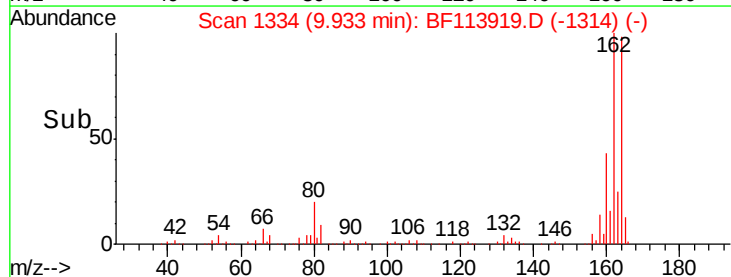
Abundance

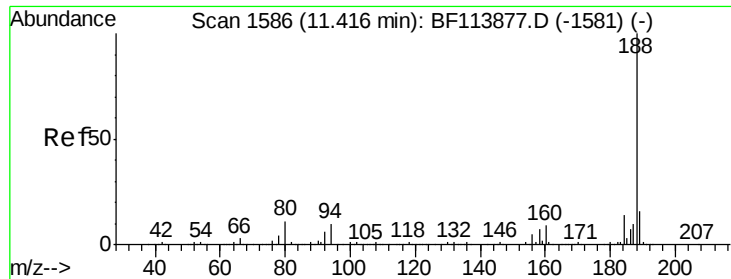
Ion 165.00 (164.70 to 165.70): E

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

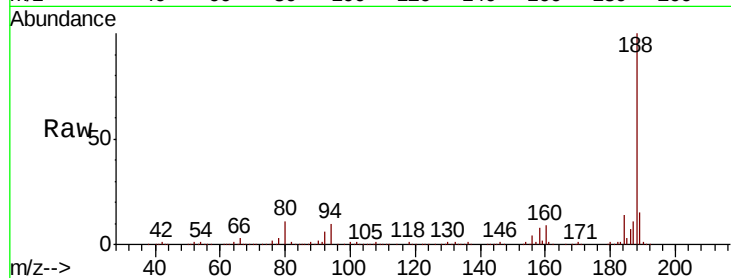




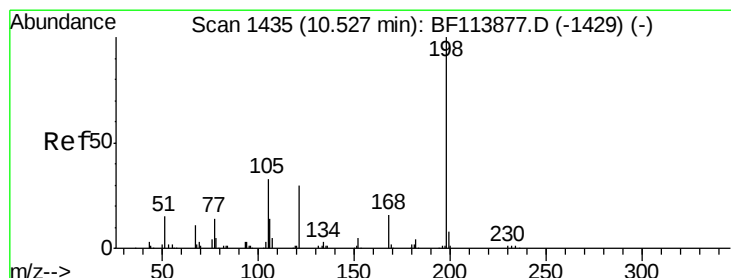
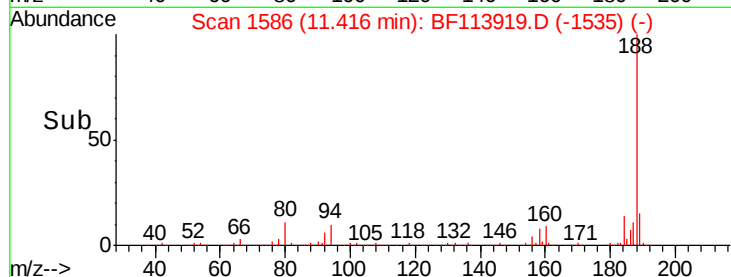
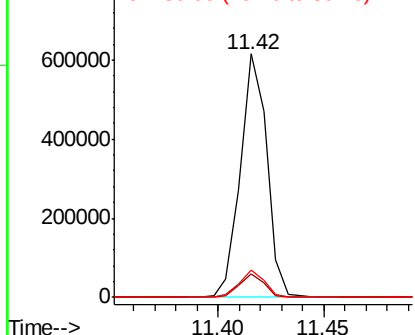
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 534231
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 11.2 9.0 13.6

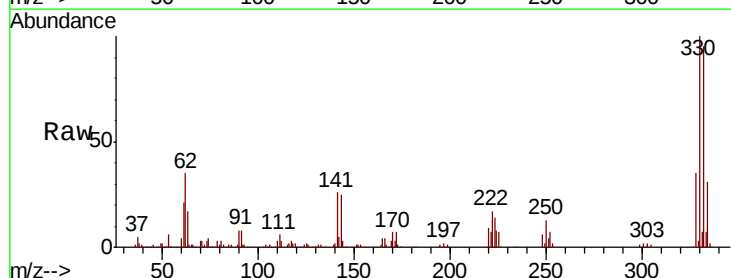


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

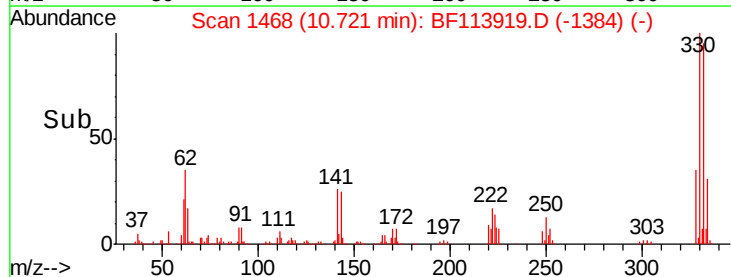
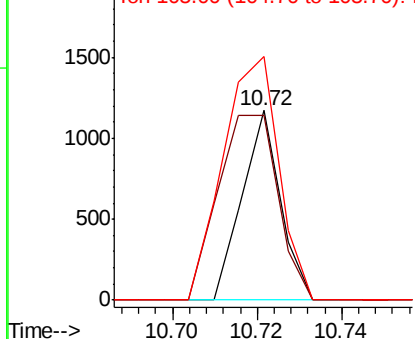


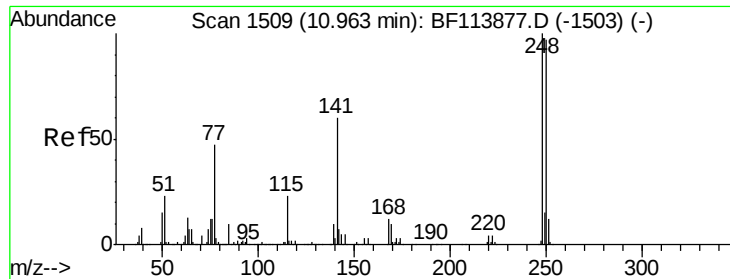
#65
4,6-Dinitro-2-methylphenol
Concen: 7.563 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion:198 Resp: 735
Ion Ratio Lower Upper
198 100
51 97.4 11.1 51.1#
105 128.5 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

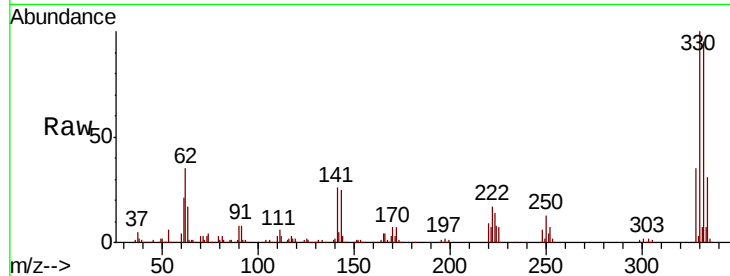




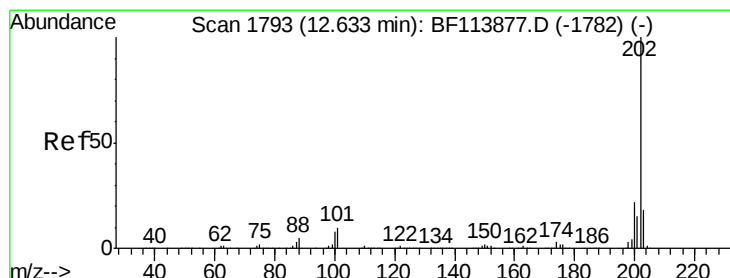
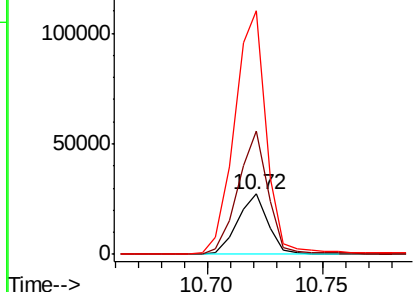
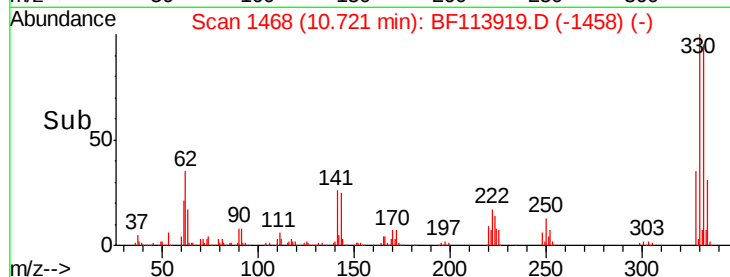
#67
4-Bromophenyl-phenylether
Concen: 3.858 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24897
Ion Ratio Lower Upper
248 100
250 205.1 75.8 113.6#
141 404.0 50.2 75.4#

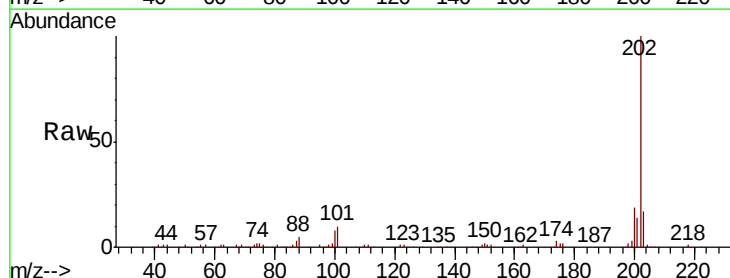


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

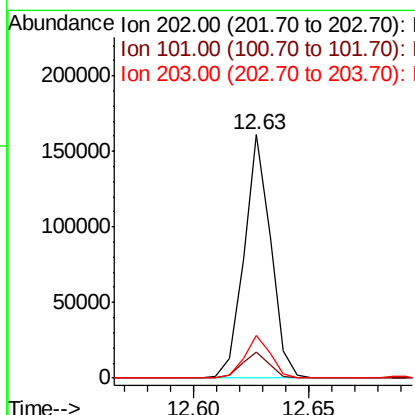
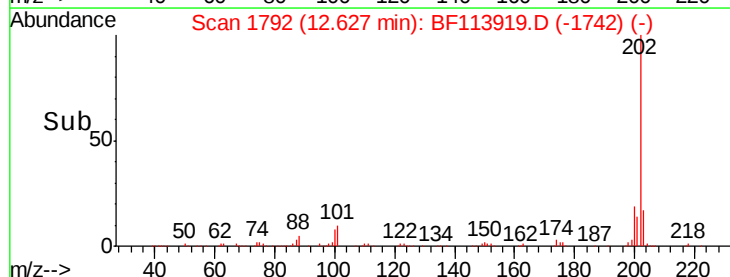


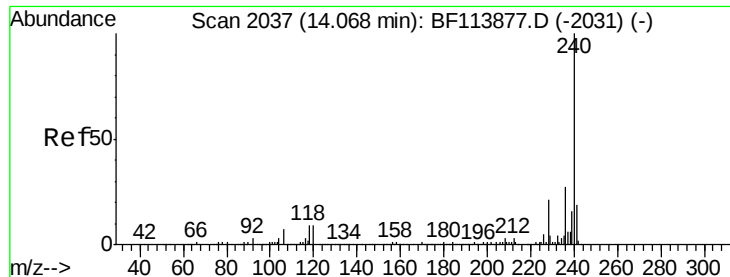
#75
Fluoranthene
Concen: 4.434 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion:202 Resp: 129881
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.9
203 17.5 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

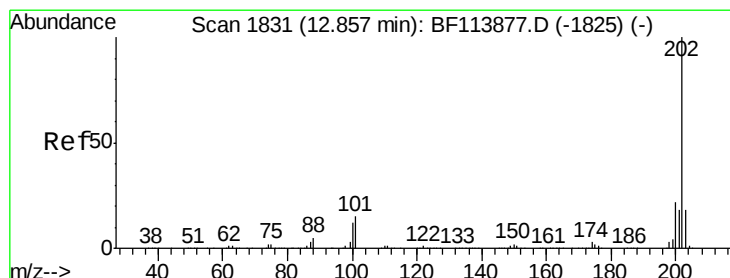
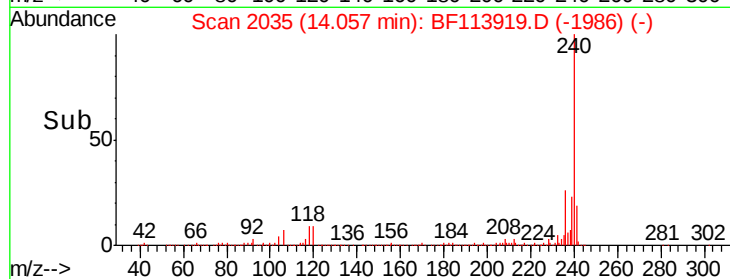
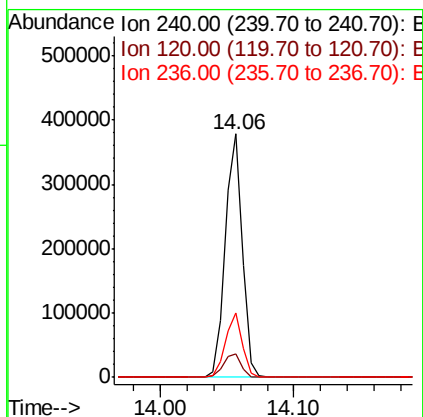
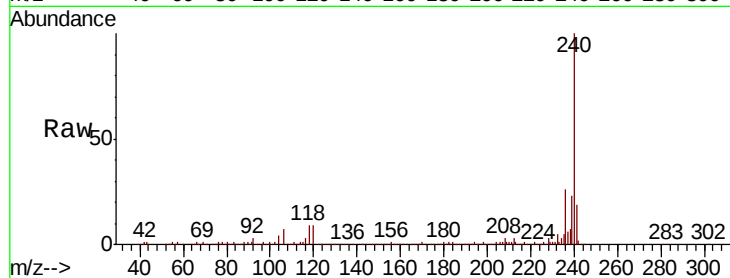




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

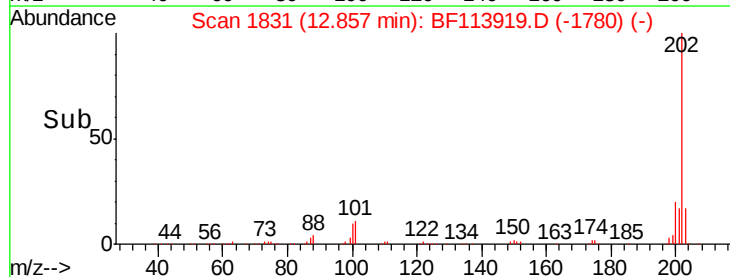
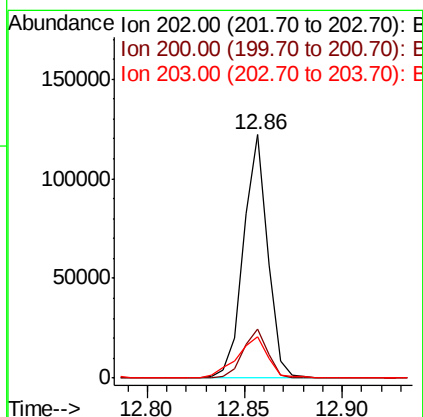
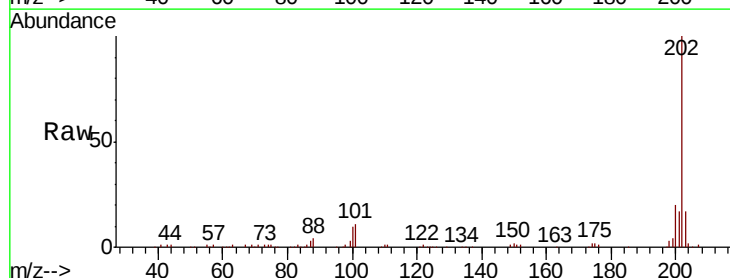
Instrument :
BNA_F
ClientSampleId :

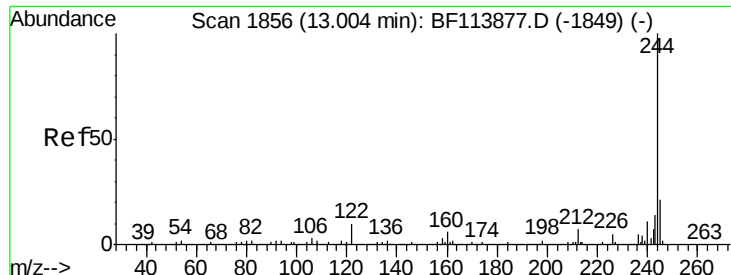
Tot Ion:240 Resp: 343025
Ion Ratio Lower Upper
240 100
120 9.4 9.3 13.9
236 26.3 21.2 31.8



#78
Pyrene
Concen: 4.375 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion:202 Resp: 104959
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 17.2 15.0 22.6



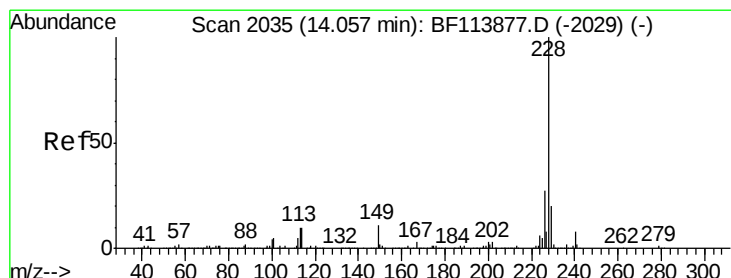
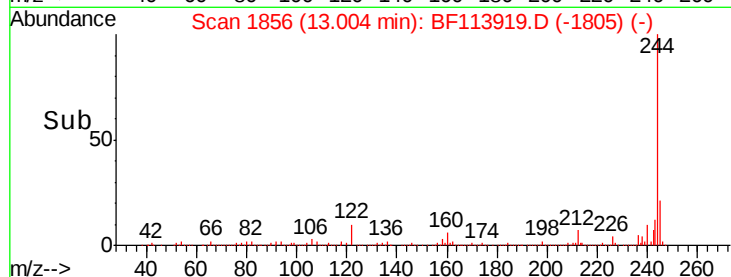
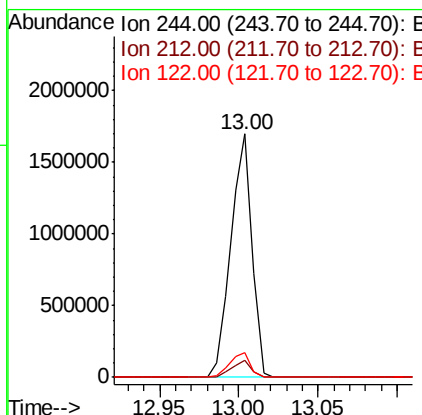
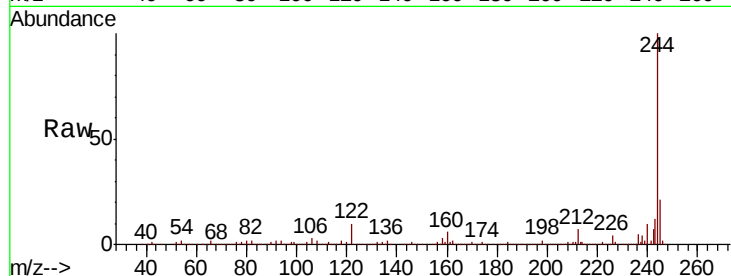


#79
 Terphenyl-d14
 Concen: 93.867 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1570562

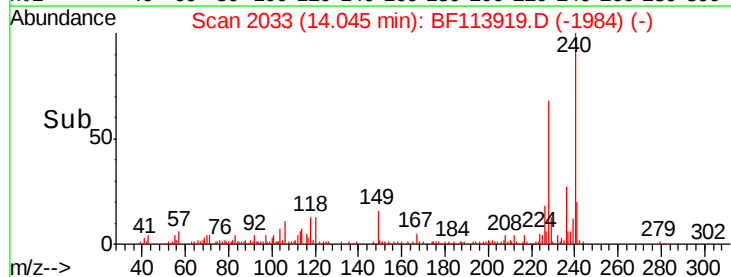
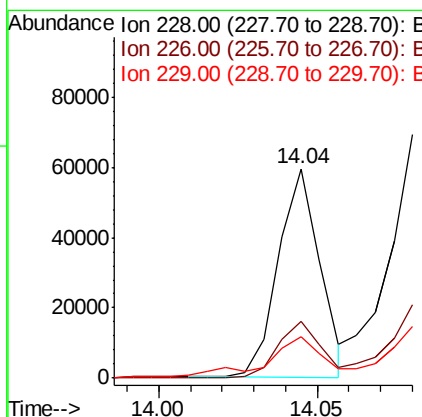
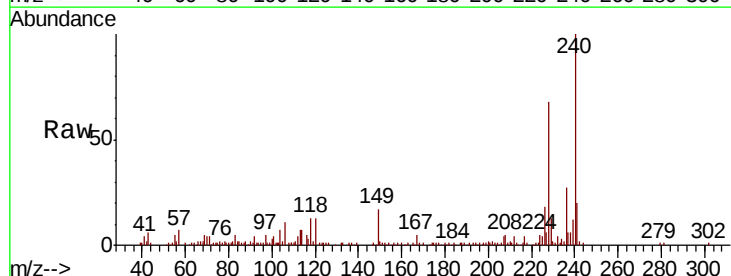
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.1	7.6	11.4

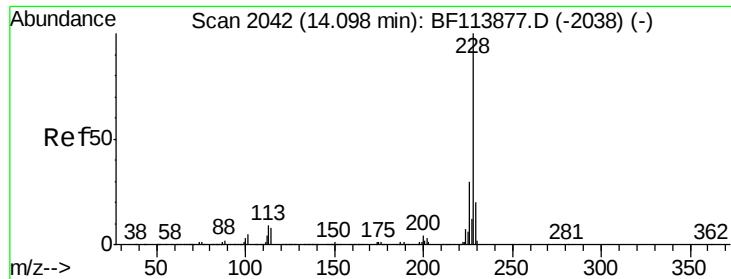


#81
 Benzo(a)anthracene
 Concen: 2.693 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

Tgt Ion:228 Resp: 54422

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.8	16.0	24.0





#83

Chrysene

Concen: 3.141 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Instrument :

BNA_F

ClientSampled :

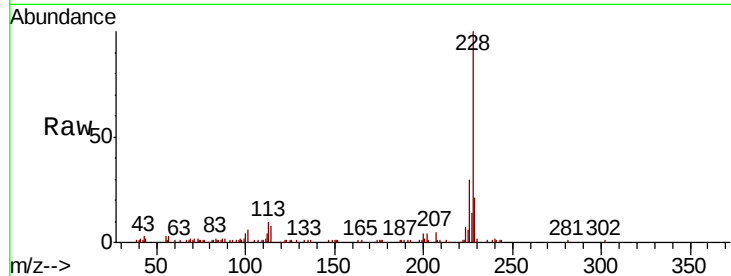
Tot Ion:228 Resp: 61817

Ion Ratio Lower Upper

228 100

226 30.3 25.2 37.8

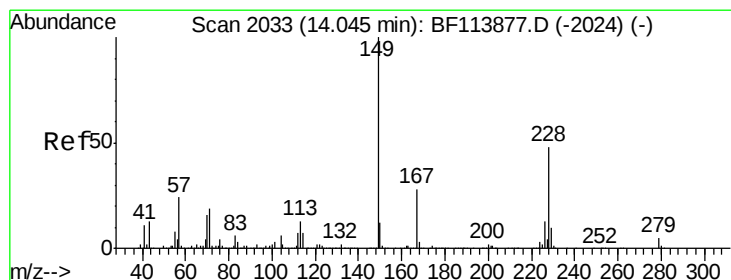
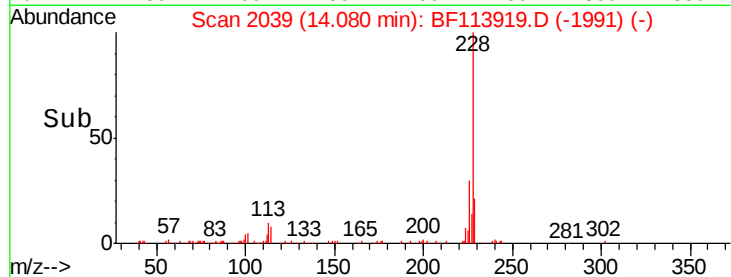
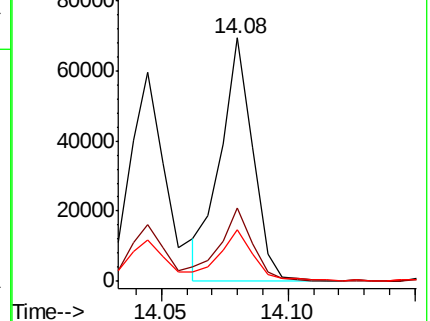
229 21.3 16.7 25.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.983 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

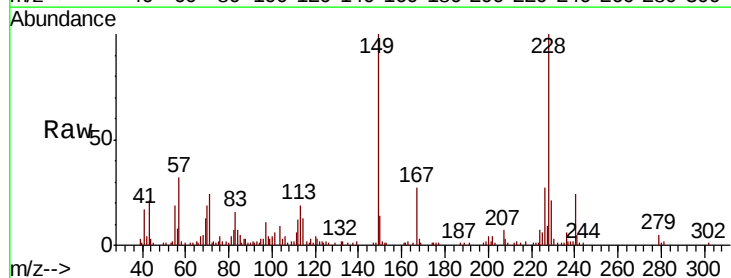
Tgt Ion:149 Resp: 35821

Ion Ratio Lower Upper

149 100

167 27.2 22.9 34.3

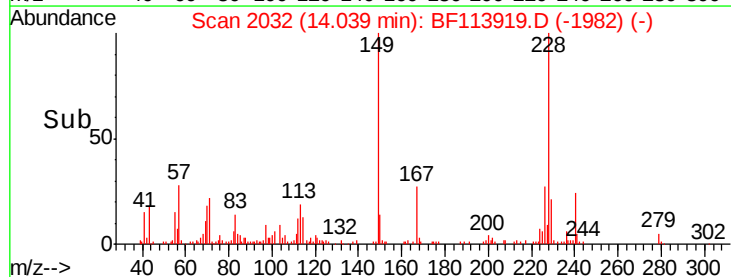
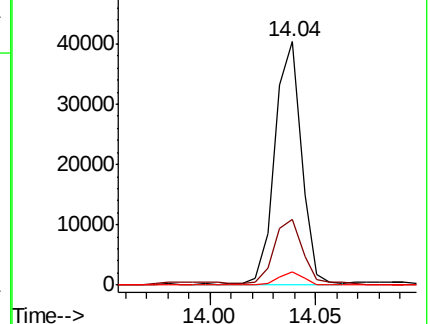
279 5.4 4.2 6.2

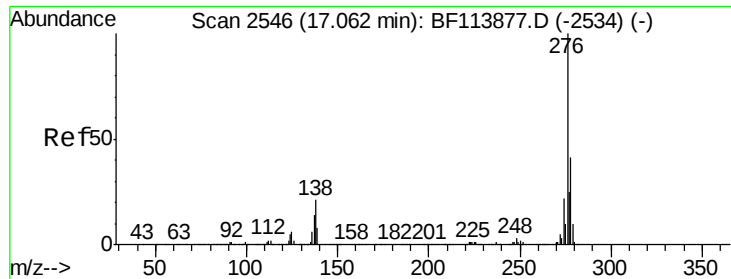


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

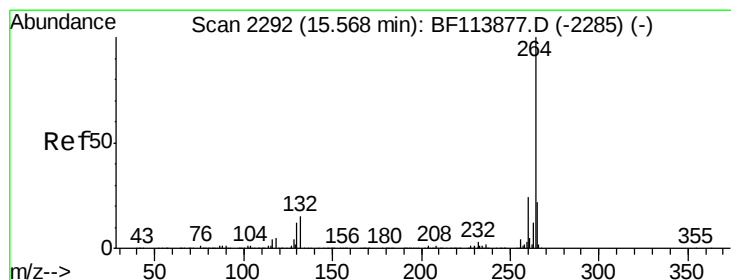
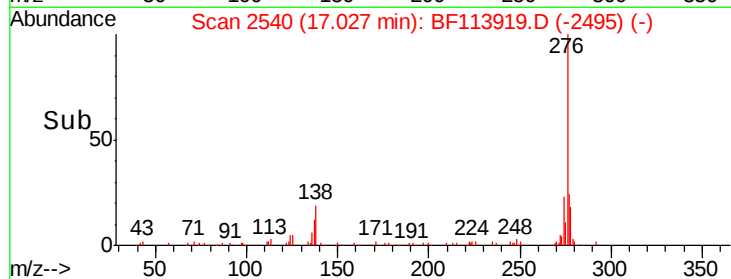
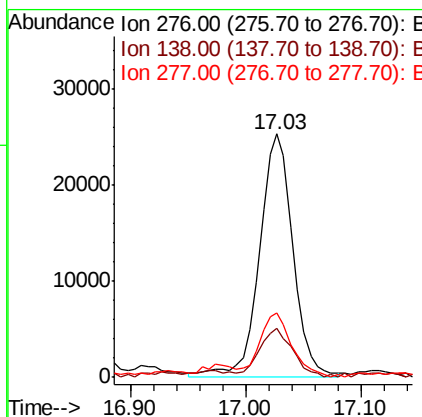
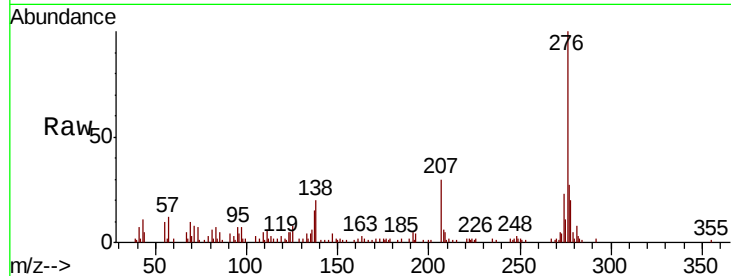




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.759 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.04 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

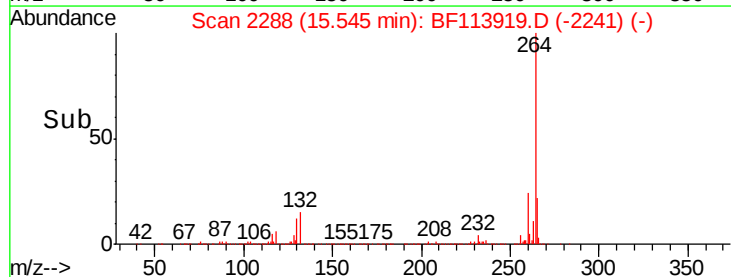
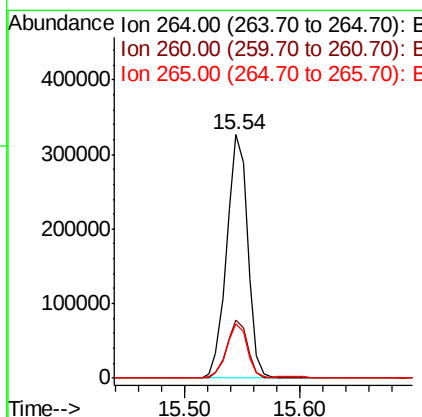
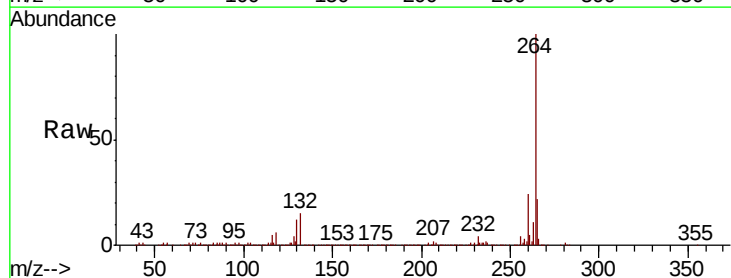
Instrument :
 BNA_F
 ClientSampleId :

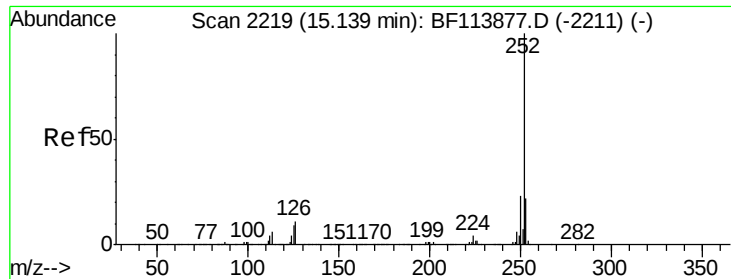
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	19.6	29.4
277	25.5	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF113919.D
 Acq: 23 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.1	17.3	25.9

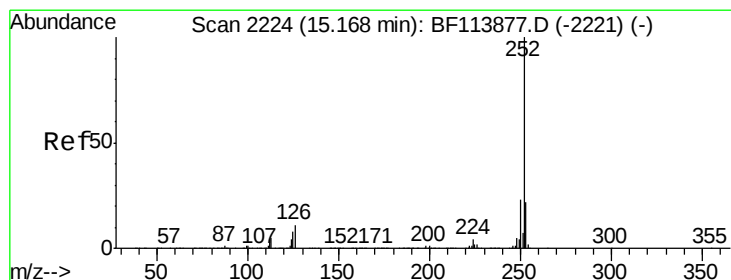
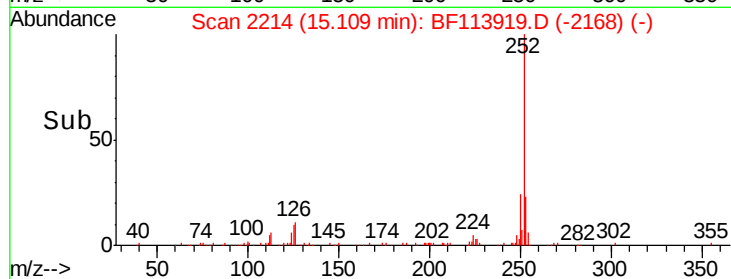
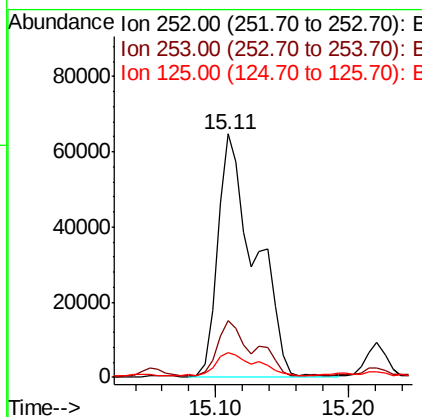
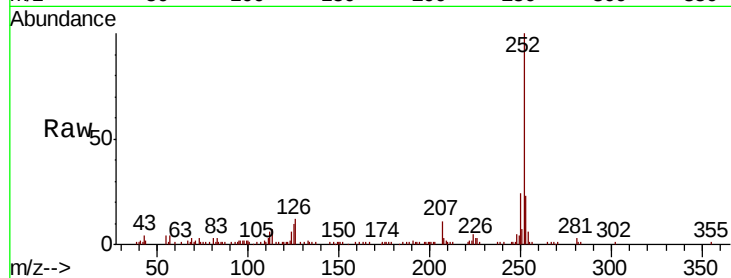




#88
Benzo(b)fluoranthene
Concen: 4.822 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

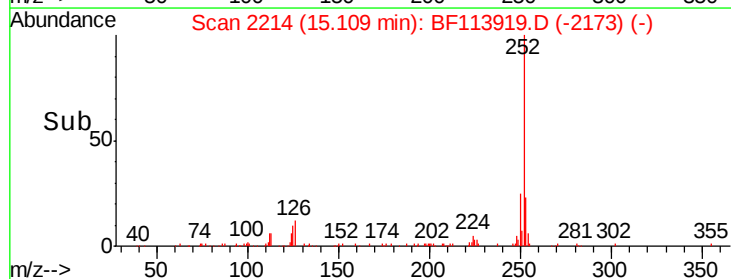
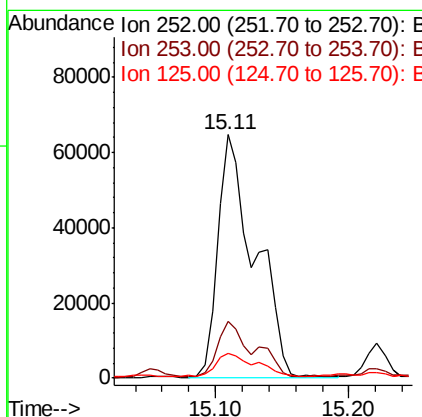
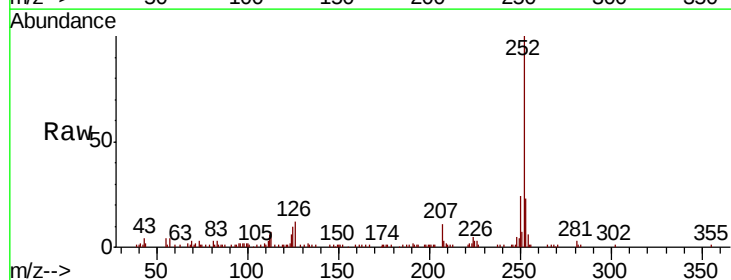
Instrument :
BNA_F
ClientSampleId :

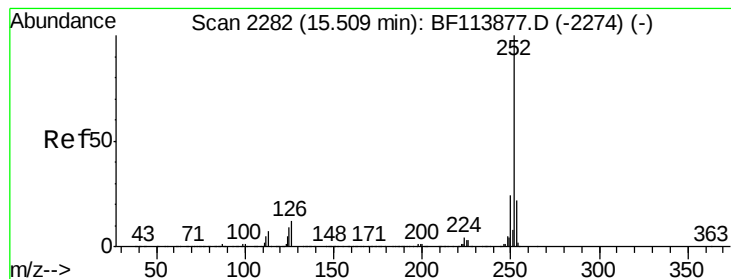
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.3	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 5.605 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF113919.D
Acq: 23 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	10.3	7.4	11.2





#90

Benzo(a)pyrene

Concen: 2.764 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

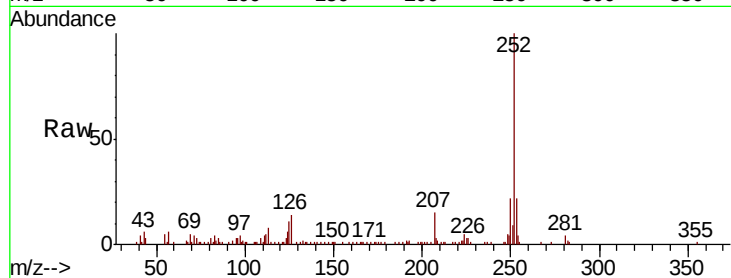
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 62109

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.1	8.5	12.7

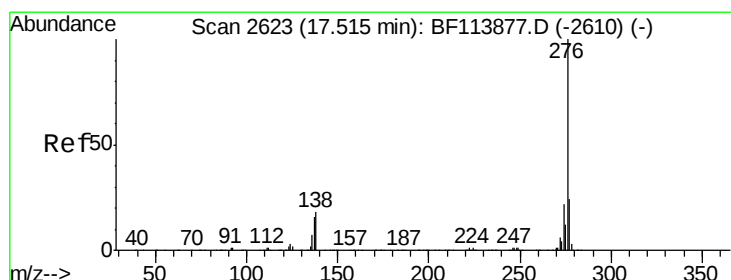
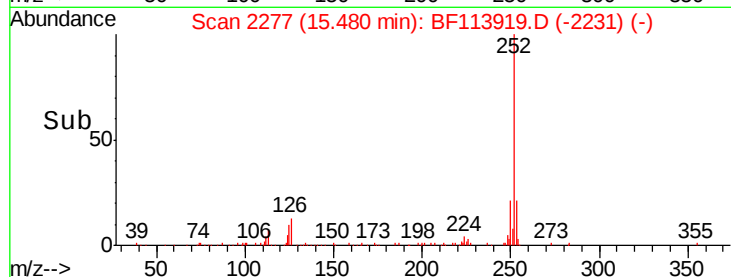
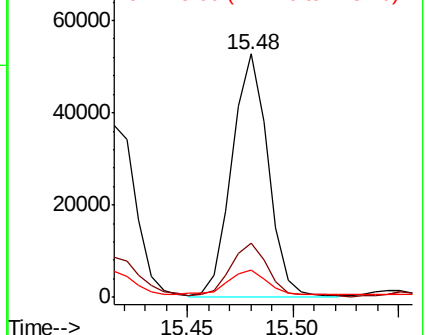


Abundance

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: 2.210 ng

RT: 17.47 min Scan# 2616

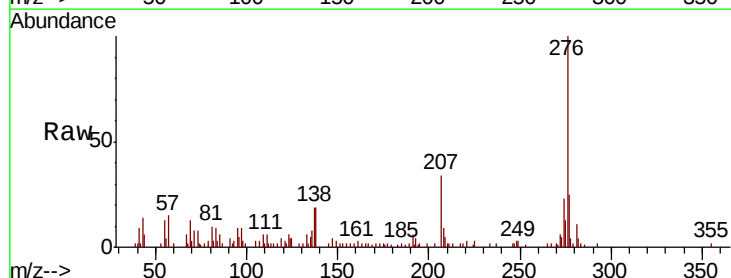
Delta R.T. -0.04 min

Lab File: BF113919.D

Acq: 23 Apr 2019 14:47

Tgt Ion:276 Resp: 47044

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.4
138	19.0	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

