

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118015.D
 Acq On : 26 Nov 2019 18:56
 Operator : JU
 Sample : K5948-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 00:45:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	110623	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	416380	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	217009	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	287885	20.00	ng	0.00
76) Chrysene-d12	14.09	240	250777	20.00	ng	0.00
87) Perylene-d12	15.60	264	206624	20.00	ng	0.02

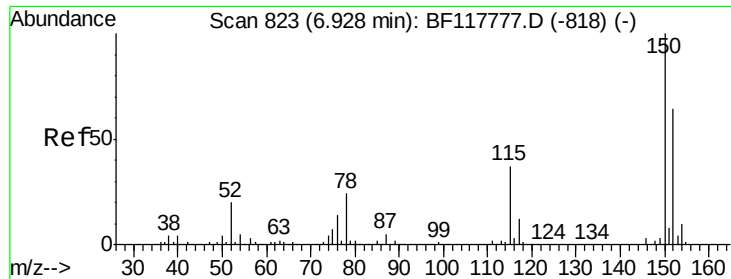
System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	785617	125.71	ng	0.02
7) Phenol-d6	6.53	99	855227	113.46	ng	0.00
23) Nitrobenzene-d5	7.46	82	505991	72.24	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	218215	94.98	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1038275	85.84	ng	0.00
79) Terphenyl-d14	13.03	244	842060	61.37	ng	0.00

Target Compounds

					Qvalue	
9) Benzaldehyde	6.53	77	1586	Below Cal	#	1
10) Phenol	6.53	94	17771	2.269 ng	#	74
19) n-Nitroso-di-n-propylamine	7.46	70	67883	14.598 ng	#	75
25) Isophorone	7.46	82	505987	39.413 ng	#	62
50) Dimethylphthalate	9.65	163	187332	12.310 ng		98
57) 2,4-Dinitrotoluene	9.95	165	29609	6.999 ng	#	24
67) 4-Bromophenyl-phenylether	10.74	248	13819	4.449 ng	#	1
71) Phenanthrene	11.46	178	50312	3.476 ng		97
75) Fluoranthene	12.66	202	74934	Below Cal		99
78) Pyrene	12.89	202	85522	4.220 ng		98
81) Benzo(a)anthracene	14.08	228	47883	2.889 ng		92
83) Chrysene	14.12	228	45572	2.838 ng		99
84) Bis(2-ethylhexyl)phthalate	14.06	149	21942	2.079 ng		97
88) Benzo(b)fluoranthene	15.15	252	61348	4.570 ng	#	92
89) Benzo(k)fluoranthene	15.15	252	61348	4.850 ng	#	91
90) Benzo(a)pyrene	15.53	252	34274	2.903 ng	#	88

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

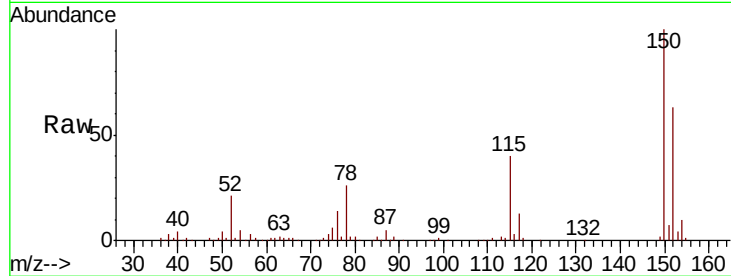


#1

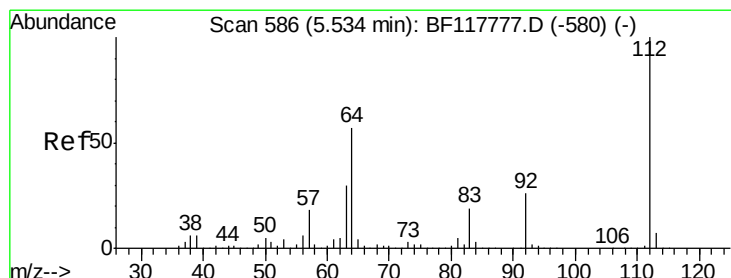
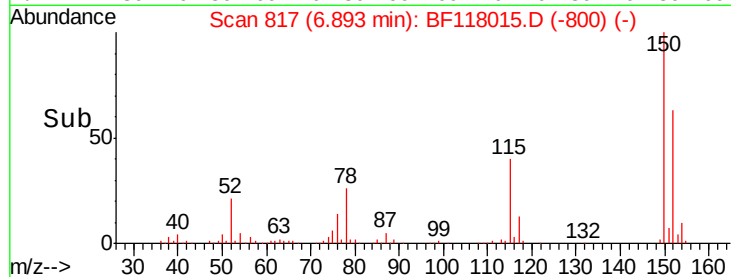
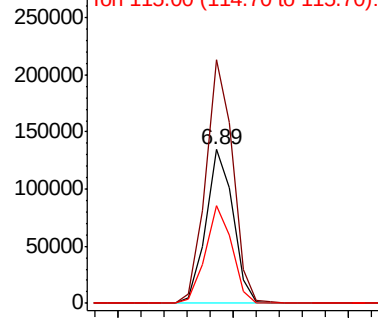
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110623
Ion Ratio Lower Upper
152 100
150 158.6 125.3 187.9
115 63.5 47.0 70.4



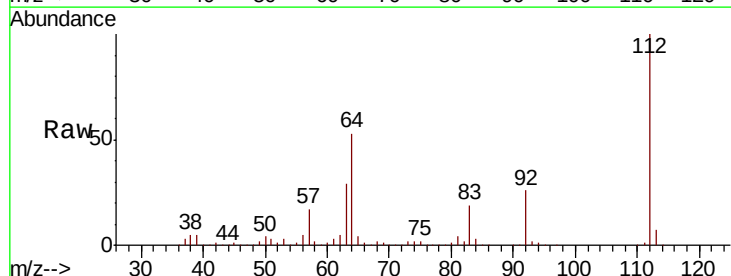
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



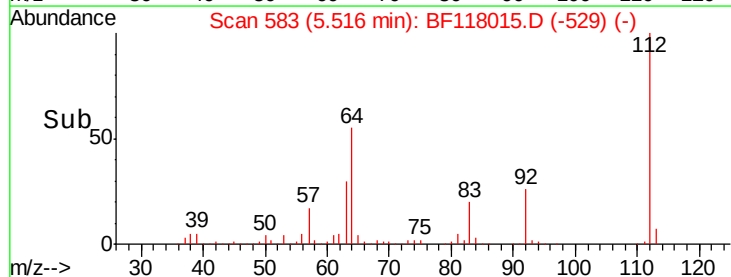
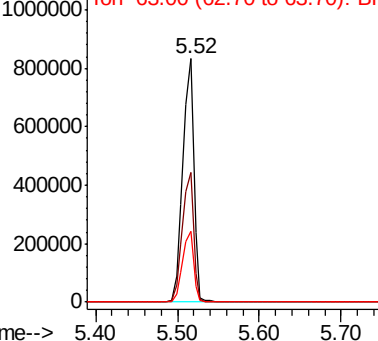
#5

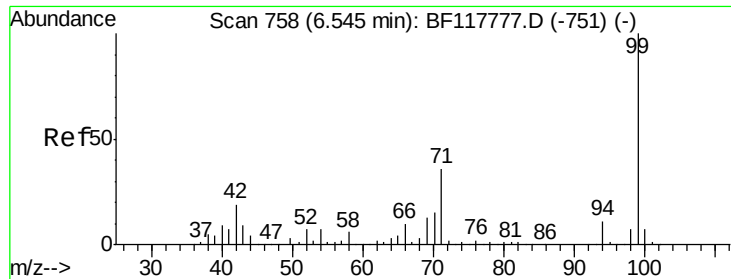
2-Fluorophenol
Concen: 125.709 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion:112 Resp: 785617
Ion Ratio Lower Upper
112 100
64 53.2 45.6 68.4
63 29.0 24.1 36.1



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: 113.457 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

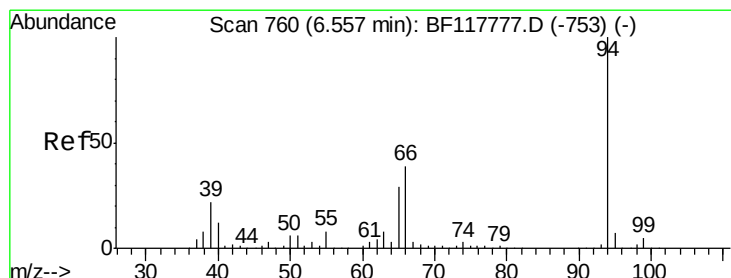
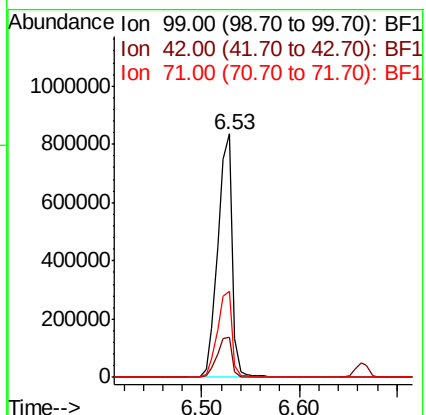
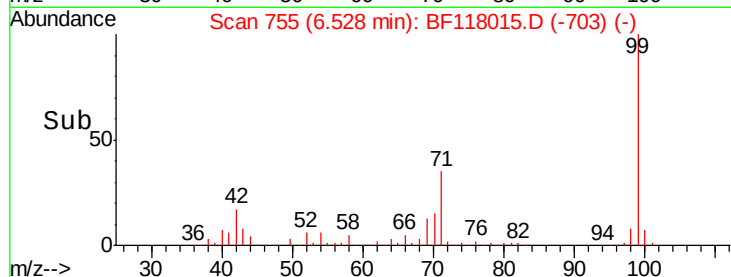
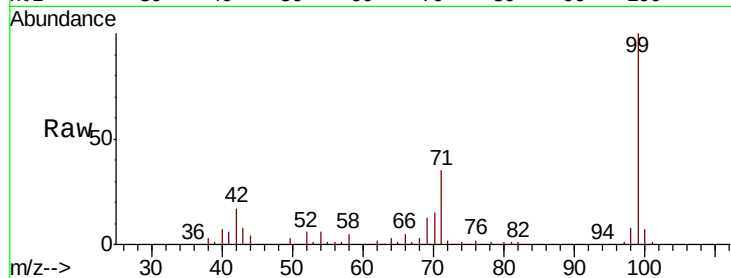
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 855227

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.9	22.3
71	35.4	28.6	43.0



#10

Phenol

Concen: 2.269 ng

RT: 6.53 min Scan# 756

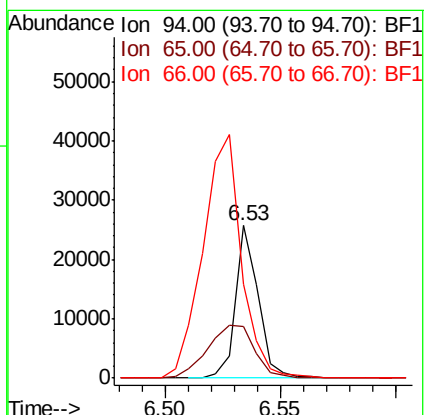
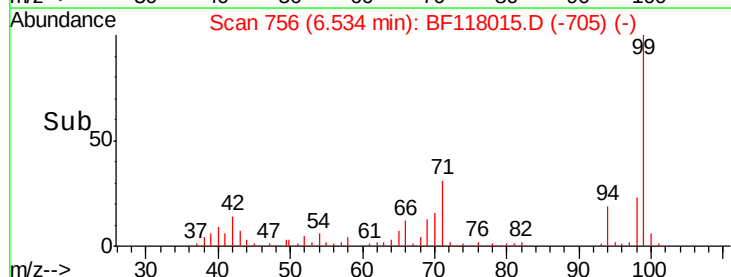
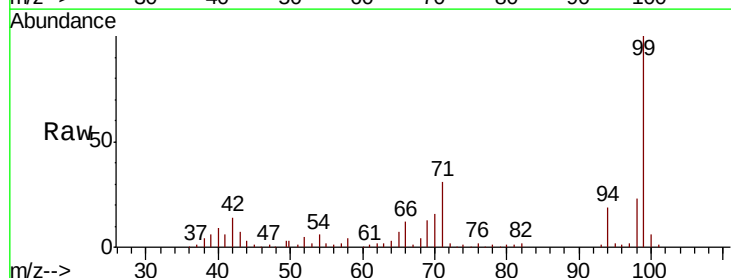
Delta R.T. 0.00 min

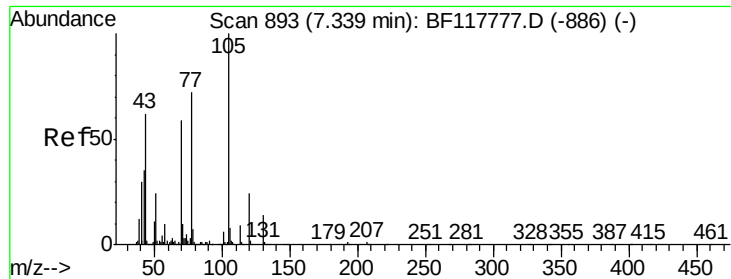
Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

Tgt Ion: 94 Resp: 17771

Ion	Ratio	Lower	Upper
94	100		
65	34.3	8.9	48.9
66	62.1	18.7	58.7

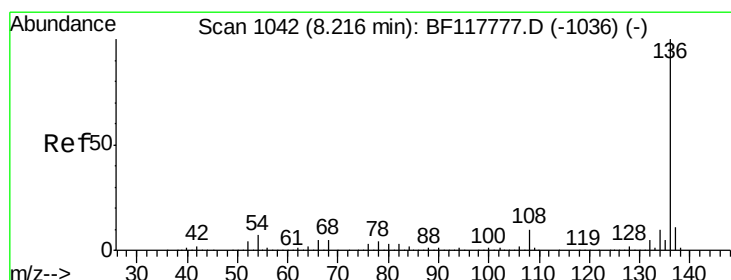
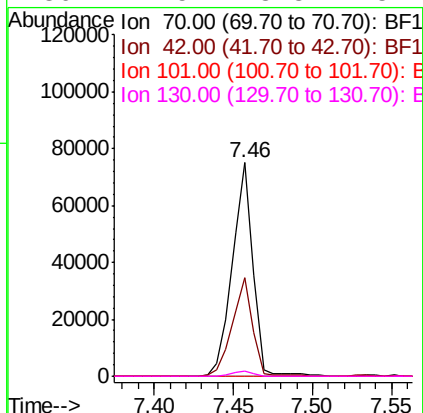
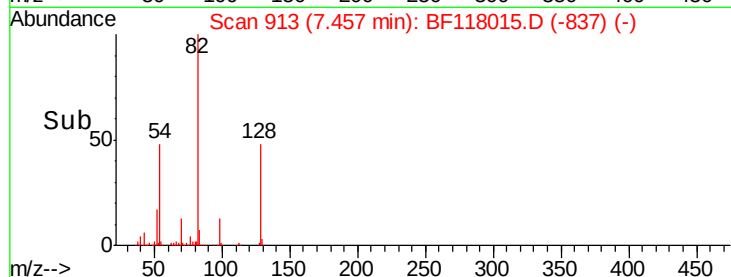
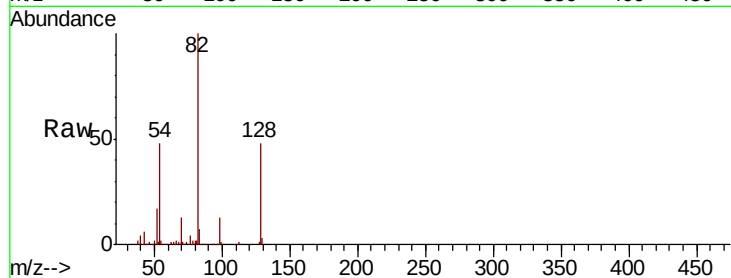




#19
n-Nitroso-di-n-propylamine
Concen: 14.598 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

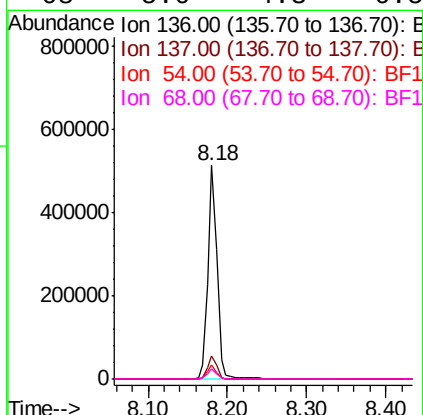
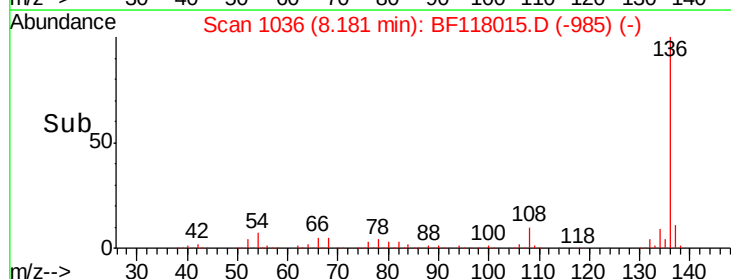
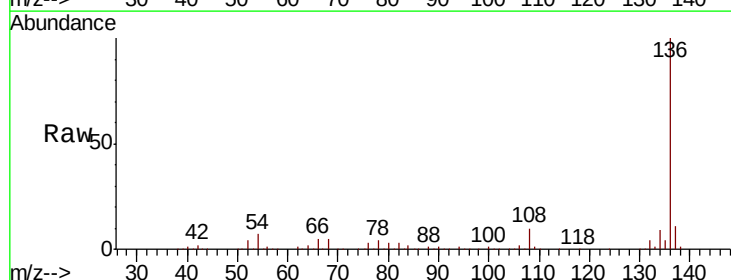
Instrument :
BNA_F
ClientSampleId :

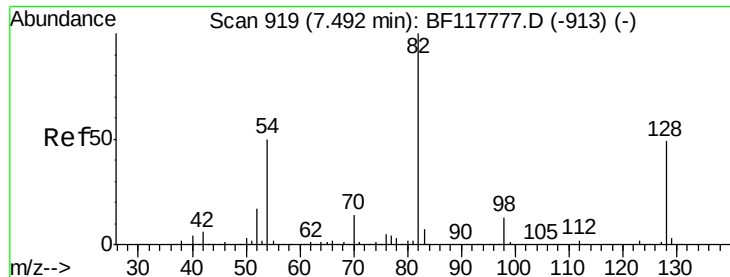
Tot Ion: 70 Resp: 67883
Ion Ratio Lower Upper
70 100
42 46.0 47.4 71.2#
101 0.0 8.4 12.6#
130 2.5 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion: 136 Resp: 416380
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.5 5.4 8.2
68 5.0 4.3 6.5

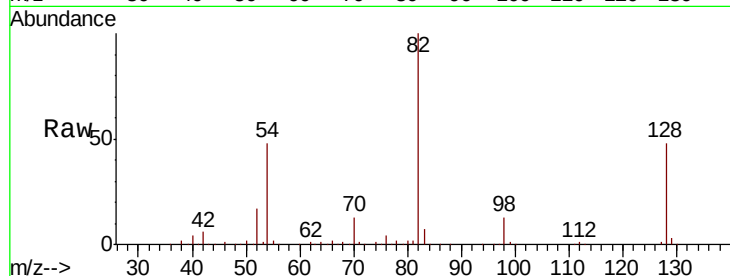




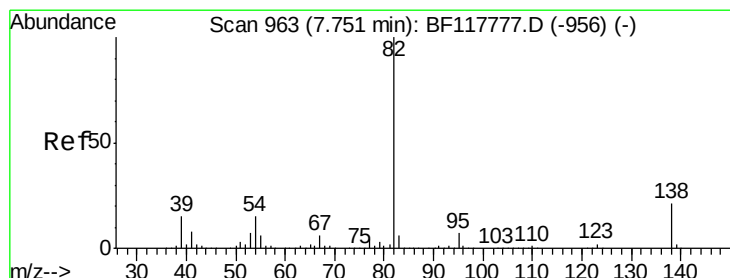
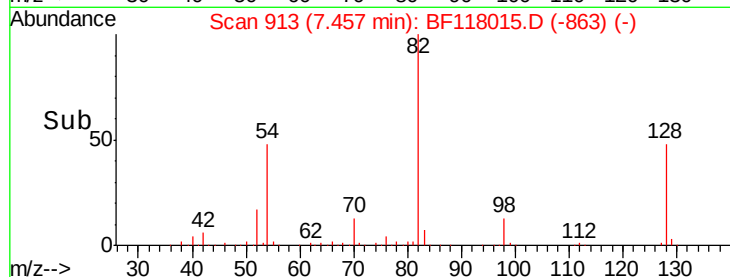
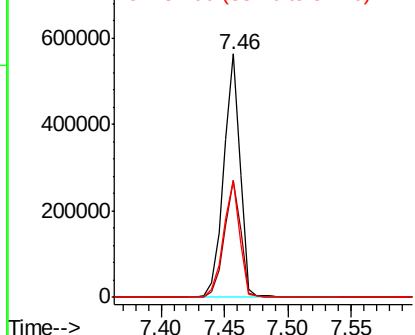
#23
 Nitrobenzene-d5
 Concen: 72.240 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF118015.D
 Acq: 26 Nov 2019 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.9	58.3
54	48.2	39.8	59.6

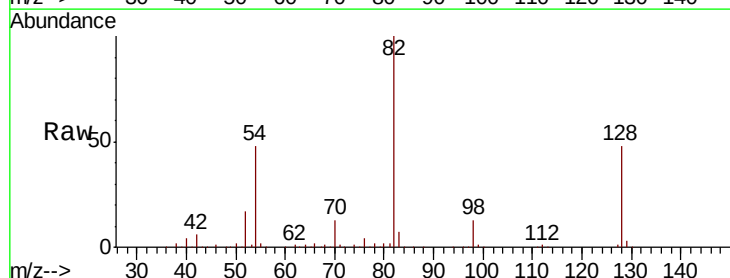


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

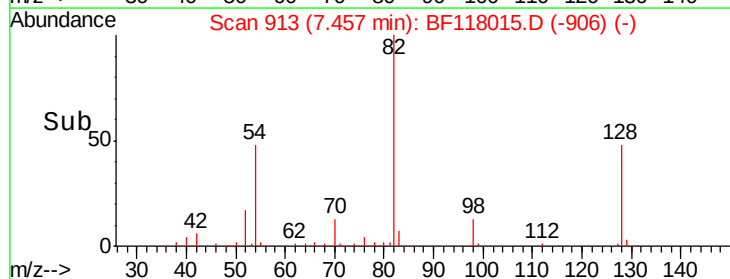
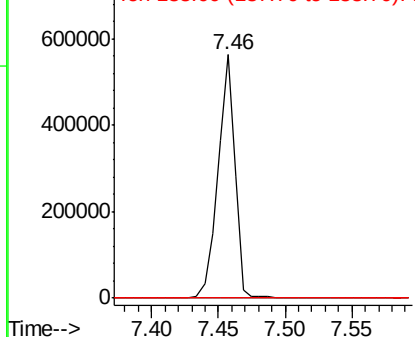


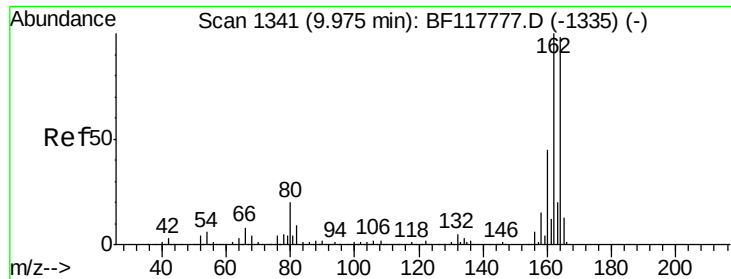
#25
 Isophorone
 Concen: 39.413 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF118015.D
 Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#



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

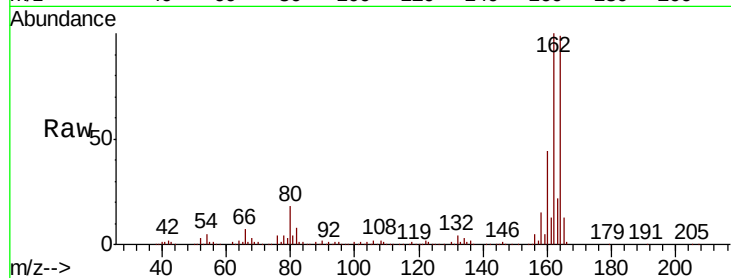




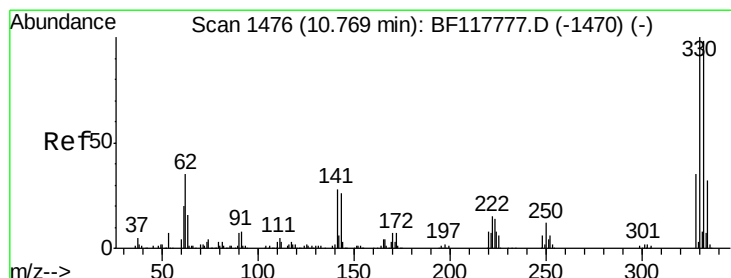
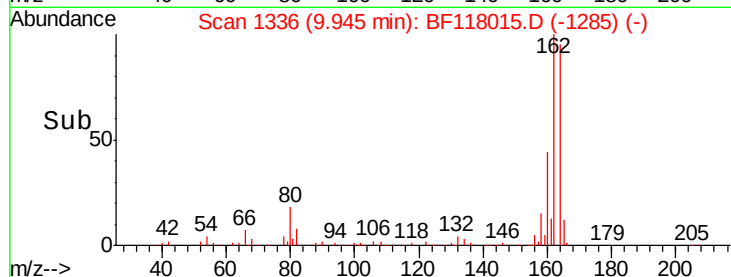
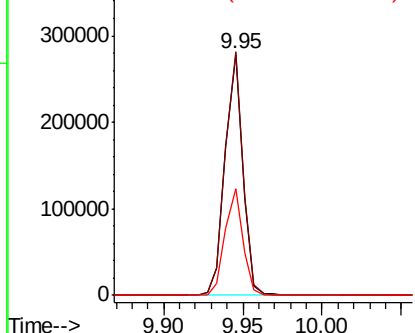
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	44.4	36.6	55.0

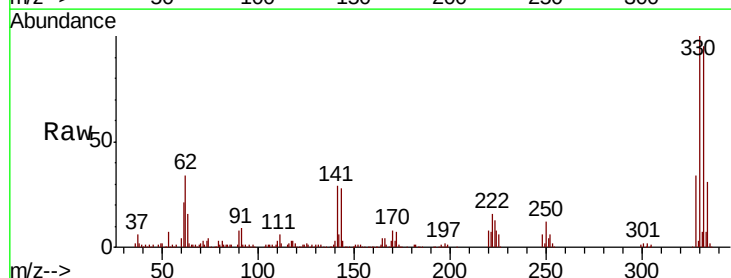


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

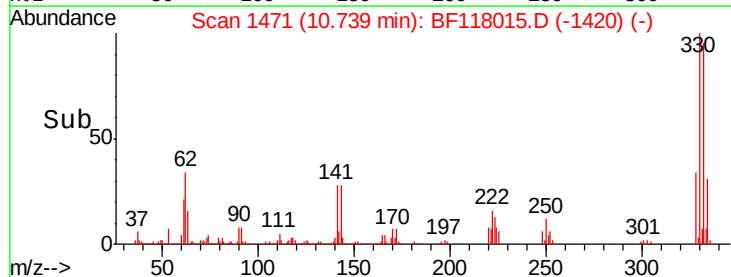
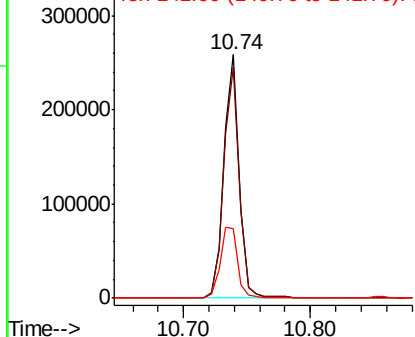


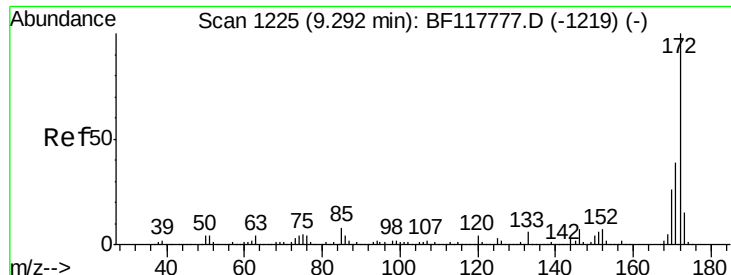
#42
2,4,6-Tribromophenol
Concen: 94.981 ng
RT: 10.74 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	32.9	27.7	41.5



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

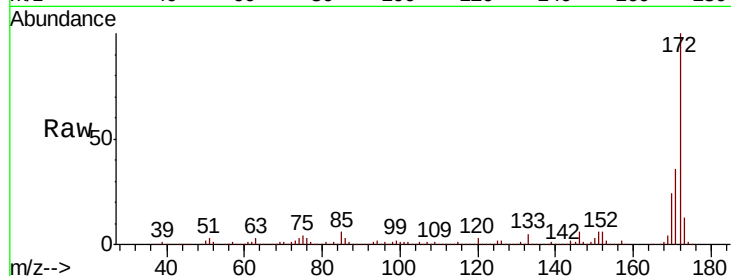




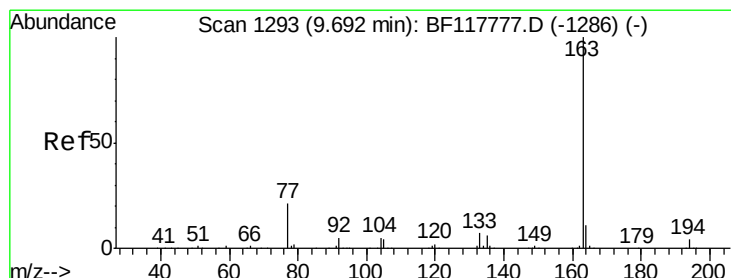
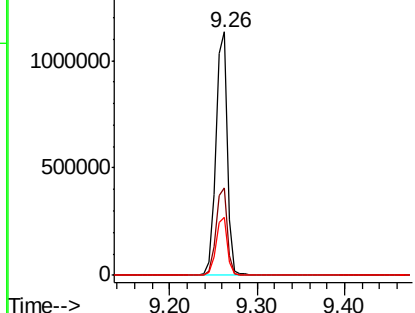
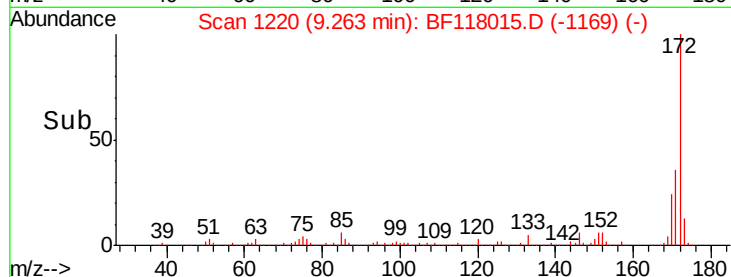
#45
2-Fluorobiphenyl
Concen: 85.835 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1038275
Ion Ratio Lower Upper
172 100
171 36.1 30.9 46.3
170 24.1 21.0 31.4

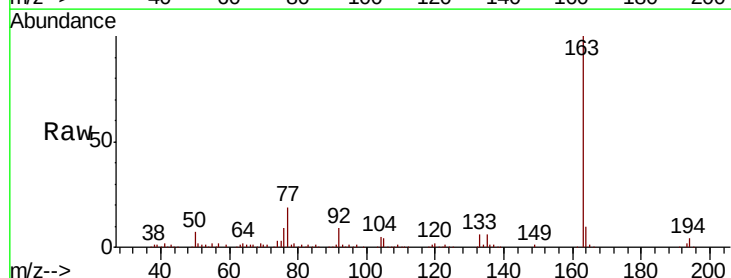


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

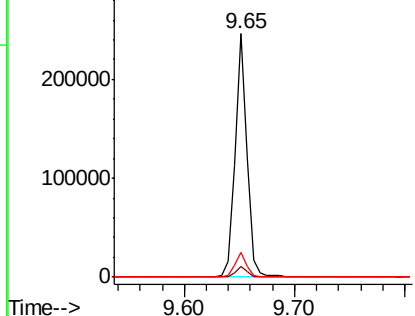
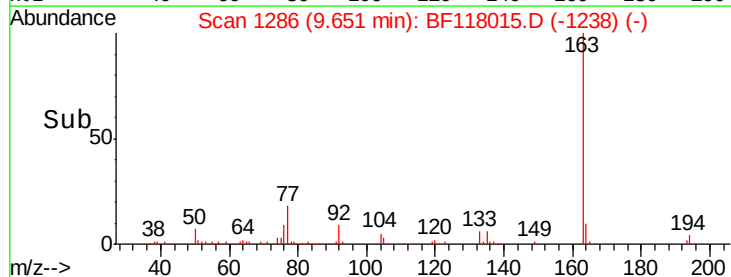


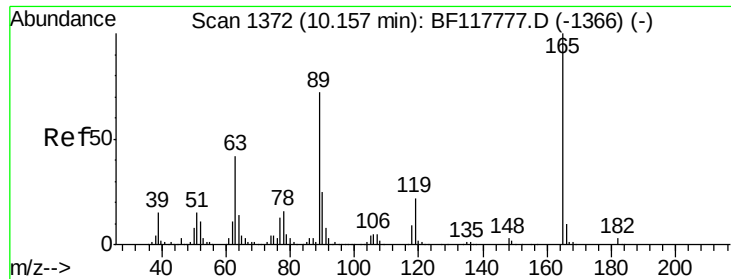
#50
Dimethylphthalate
Concen: 12.310 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion:163 Resp: 187332
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.2 8.7 13.1



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

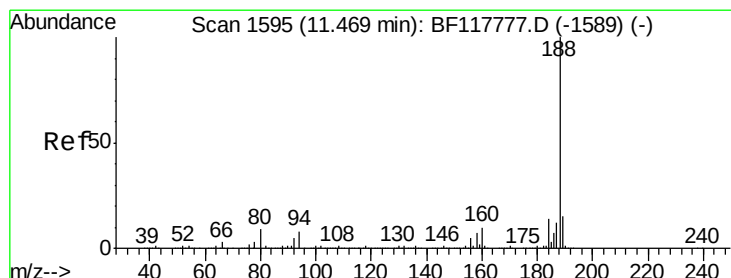
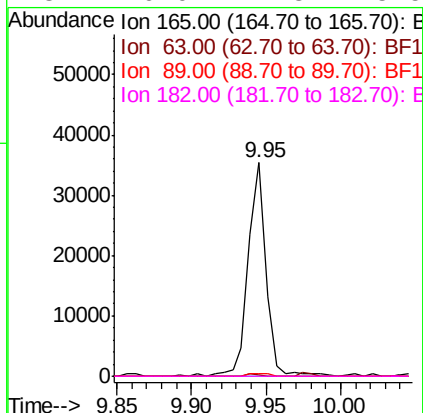
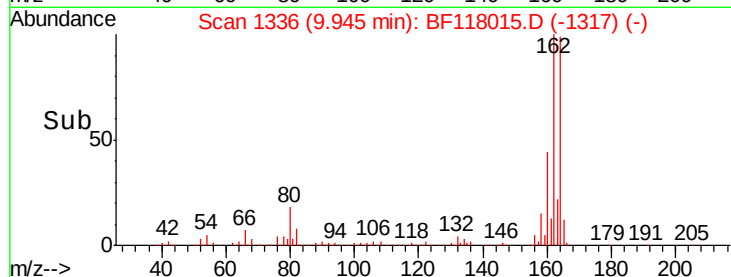
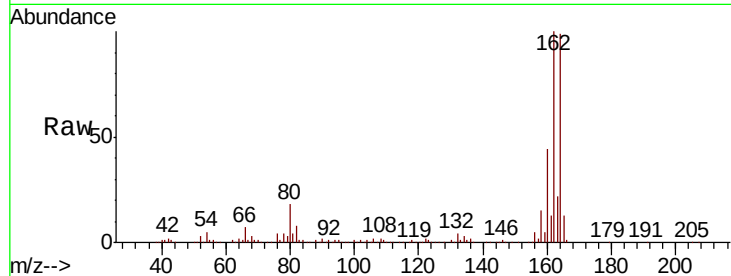




#57
2,4-Dinitrotoluene
Concen: 6.999 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.19 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

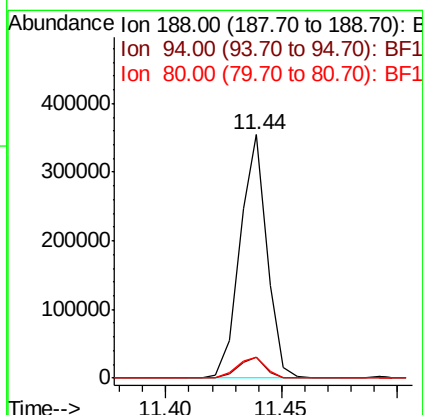
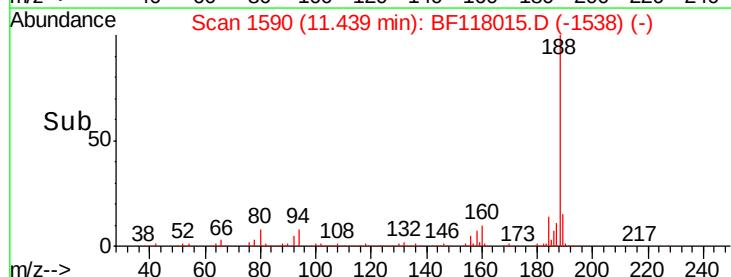
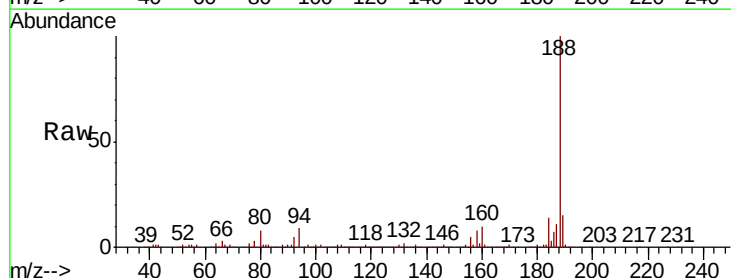
Instrument :
BNA_F
ClientSampled :

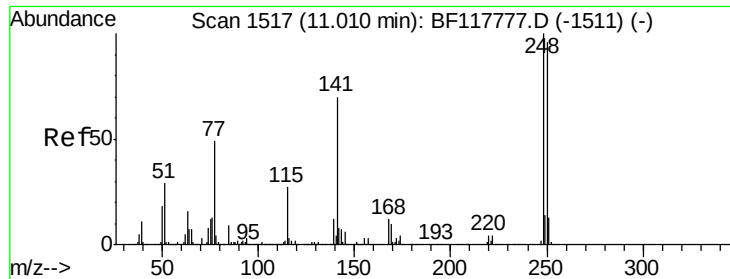
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.7	50.5#
89	1.3	57.3	85.9#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	8.4	7.2	10.8

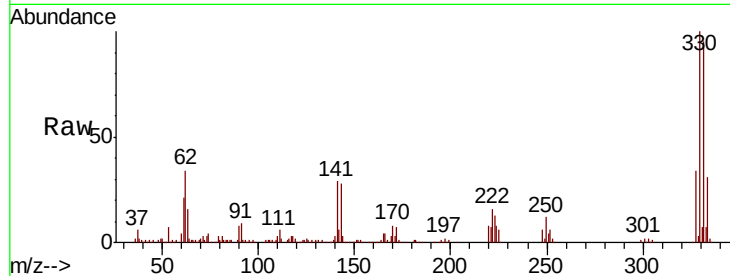




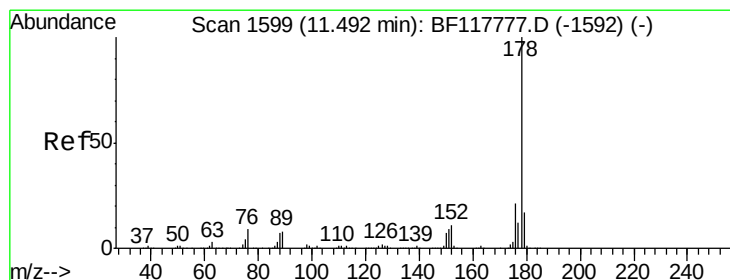
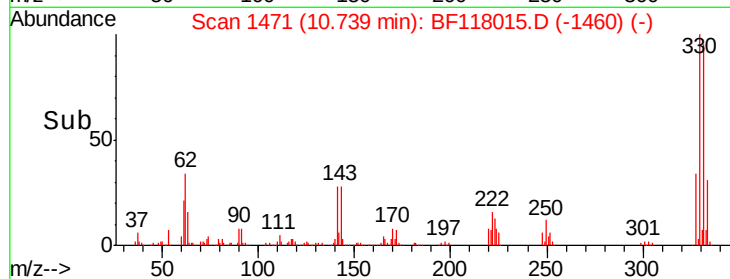
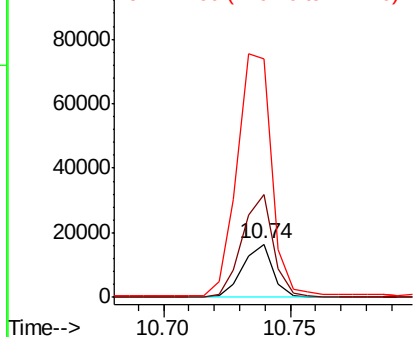
#67
4-Bromophenyl-phenylether
Concen: 4.449 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.24 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13819
Ion Ratio Lower Upper
248 100
250 193.5 76.6 115.0#
141 446.5 55.9 83.9#

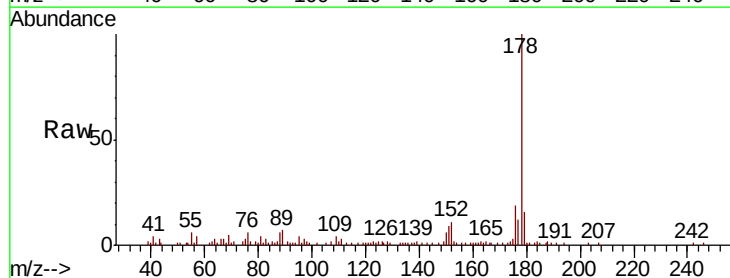


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

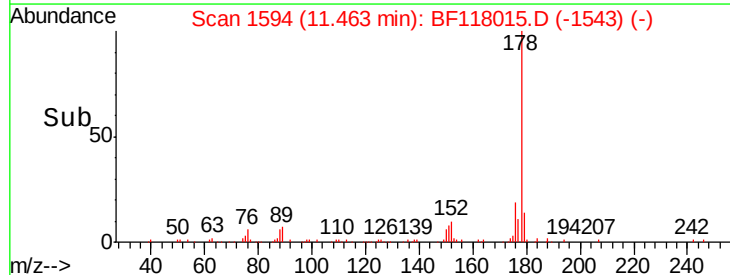
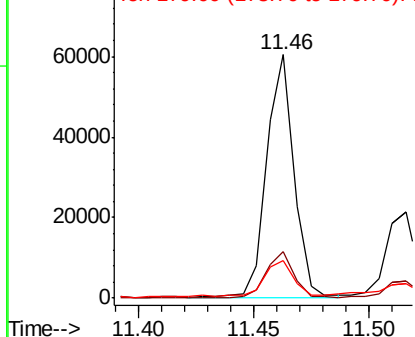


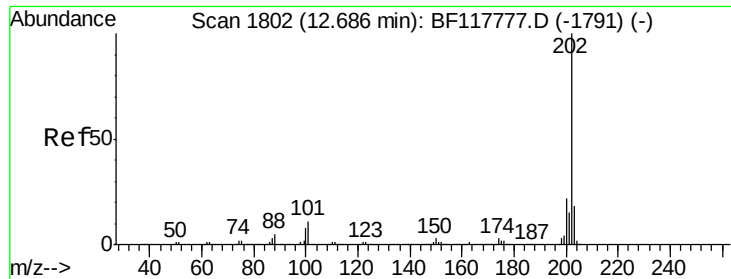
#71
Phenanthrene
Concen: 3.476 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion:178 Resp: 50312
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 15.5 13.2 19.8



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: Below Cal

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

Instrument :

BNA_F

ClientSampleId :

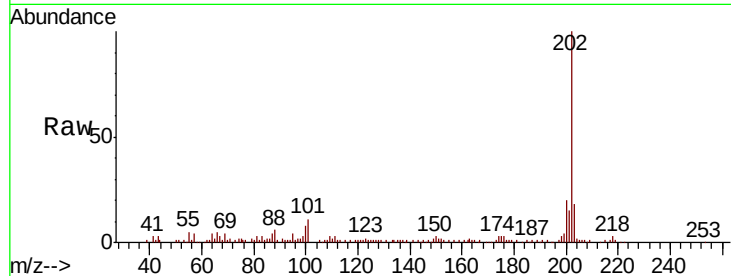
Tot Ion:202 Resp: 74934

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.1

203 18.5 0.0 38.2

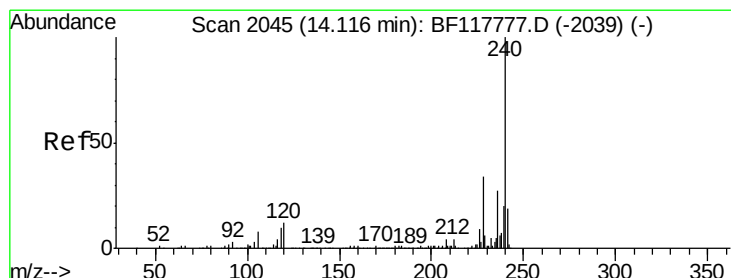
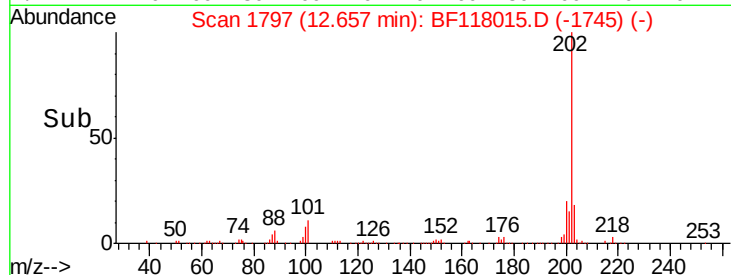
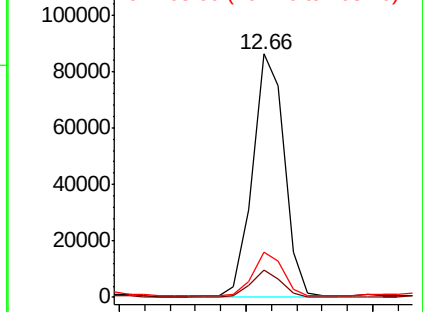


Abundance

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: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

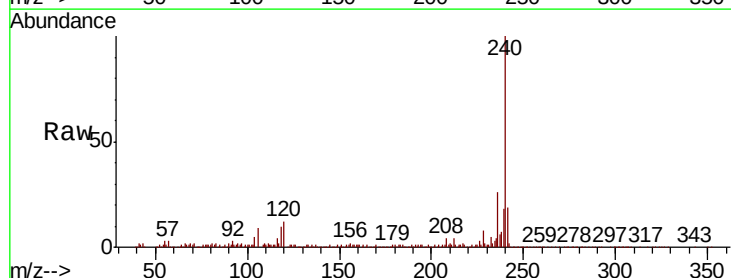
Tgt Ion:240 Resp: 250777

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

236 26.1 21.3 31.9

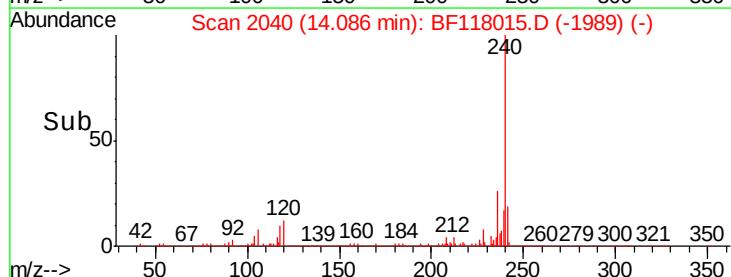
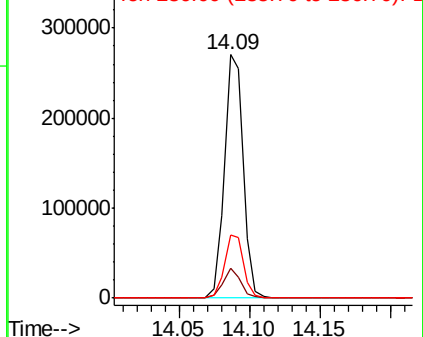


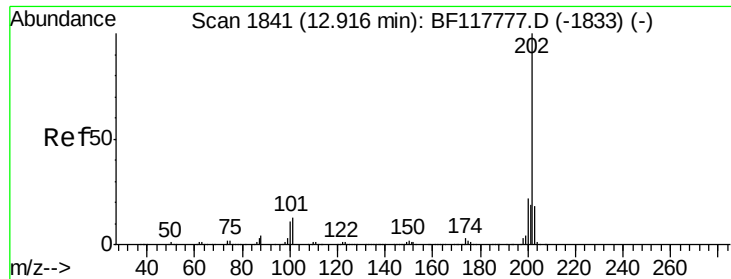
Abundance

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

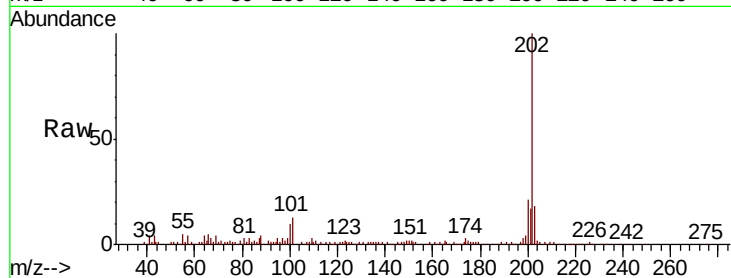




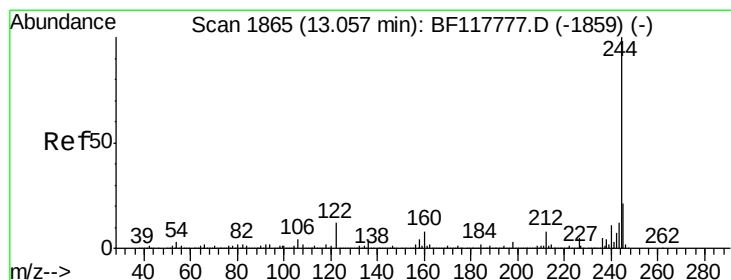
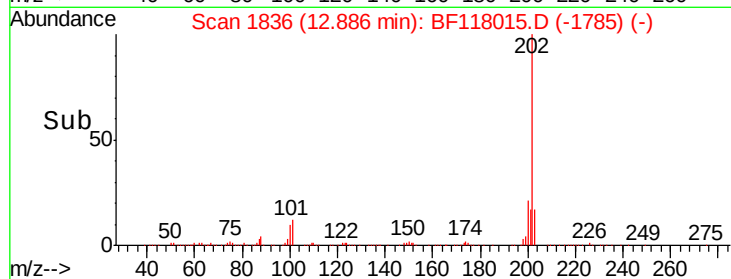
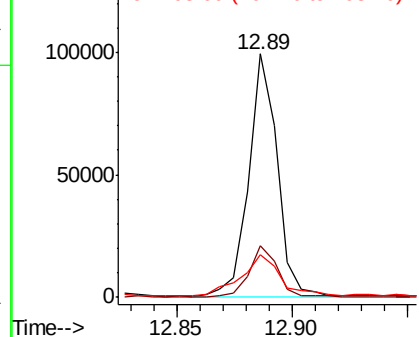
#78
Pvrene
Concen: 4.220 ng
RT: 12.89 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 85522
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.8
203 17.5 14.6 22.0

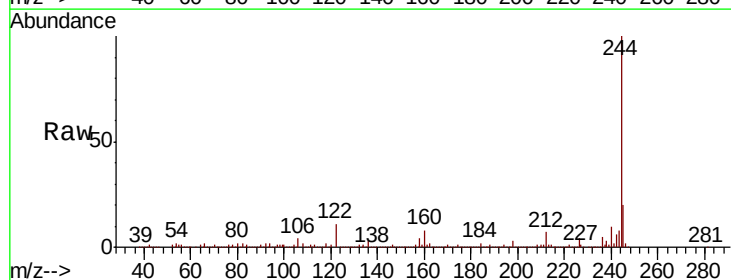


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

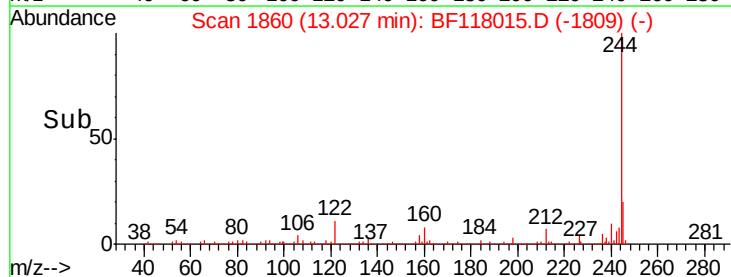
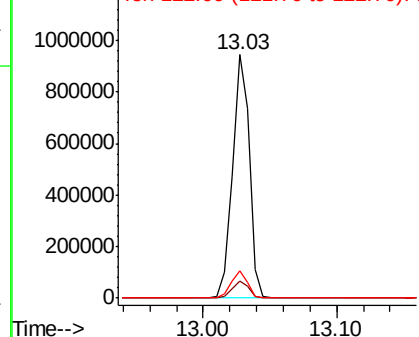


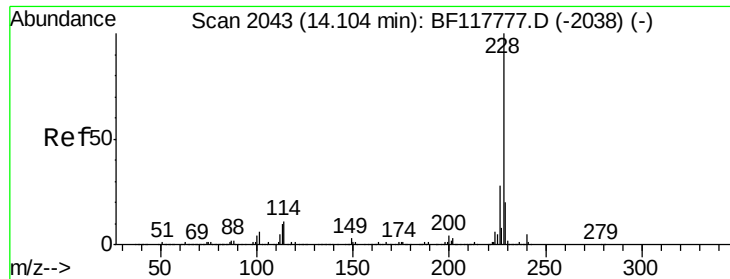
#79
Terphenyl-d14
Concen: 61.368 ng
RT: 13.03 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion:244 Resp: 842060
Ion Ratio Lower Upper
244 100
212 7.1 6.3 9.5
122 11.2 9.4 14.2



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

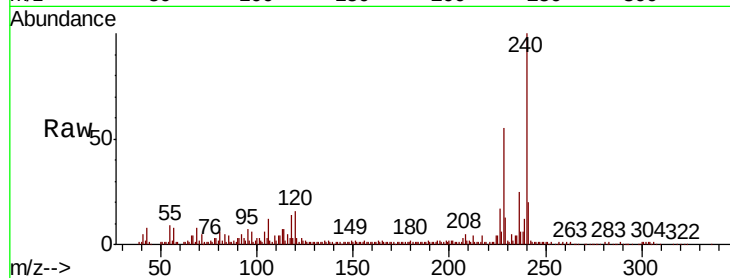




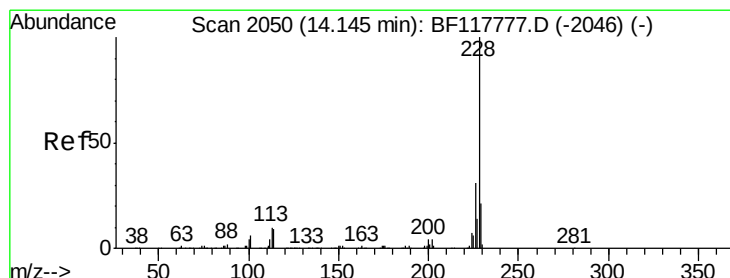
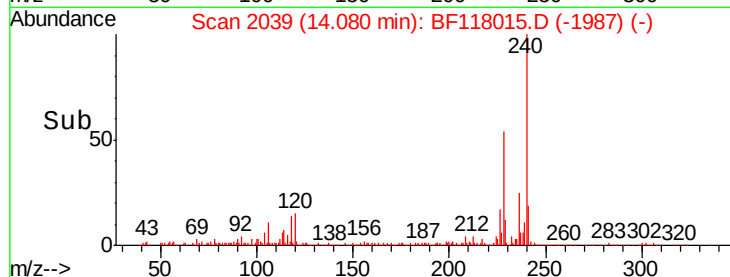
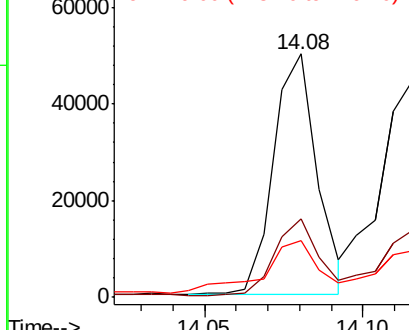
#81
Benzo(a)anthracene
Concen: 2.889 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 47883
Ion Ratio Lower Upper
228 100
226 32.0 22.2 33.2
229 23.6 15.9 23.9

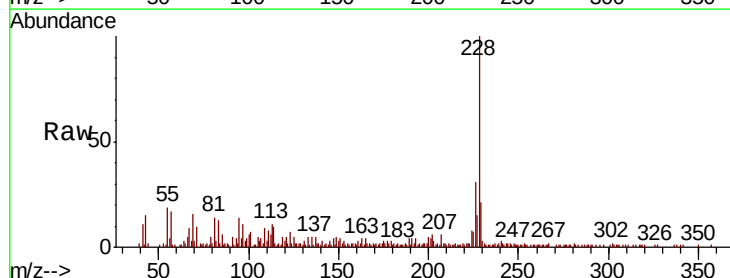


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

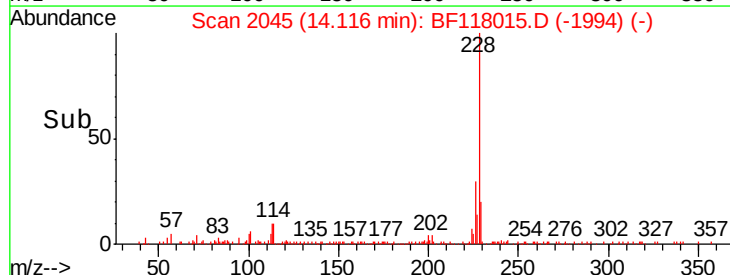
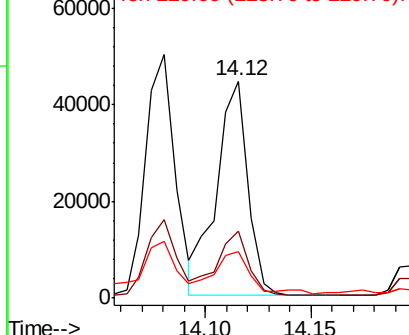


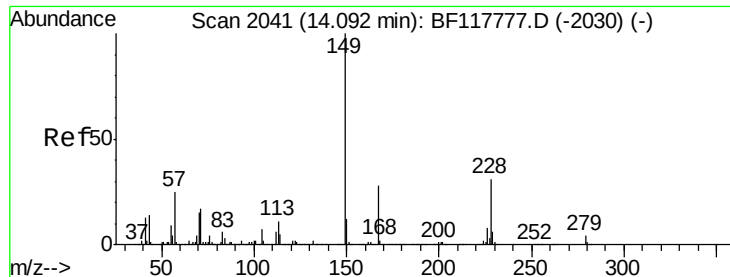
#83
Chrysene
Concen: 2.838 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion:228 Resp: 45572
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 21.5 16.6 25.0



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.079 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

Instrument :

BNA_F

ClientSampleId :

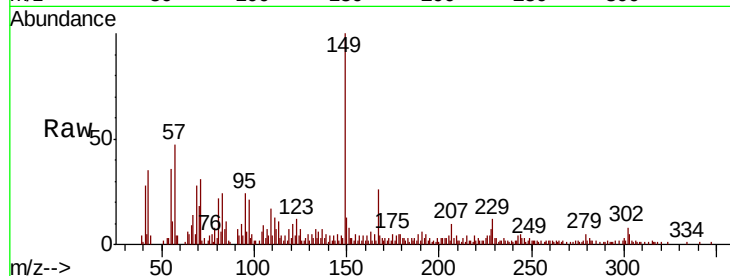
Tot Ion:149 Resp: 21942

Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.2

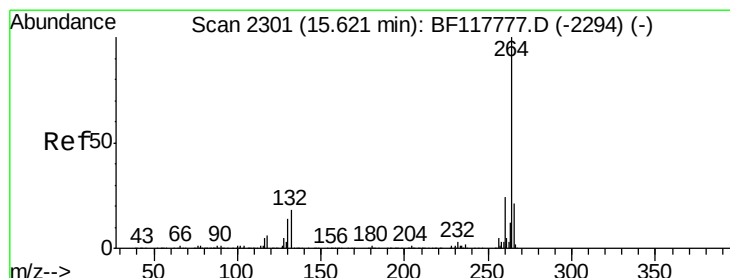
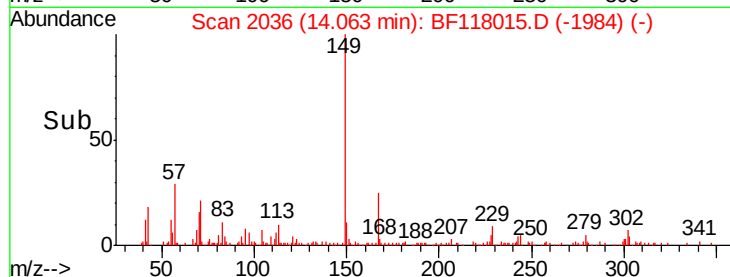
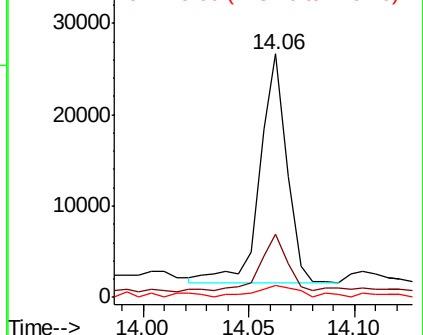
279 4.8 3.4 5.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.02 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

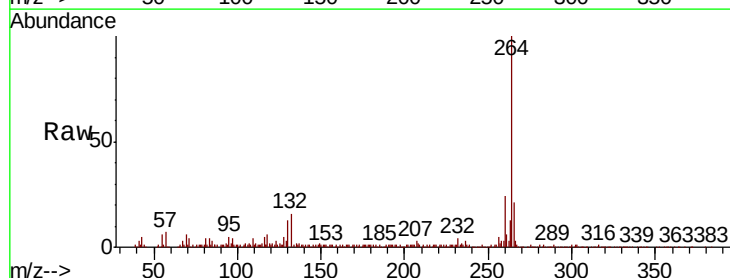
Tgt Ion:264 Resp: 206624

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

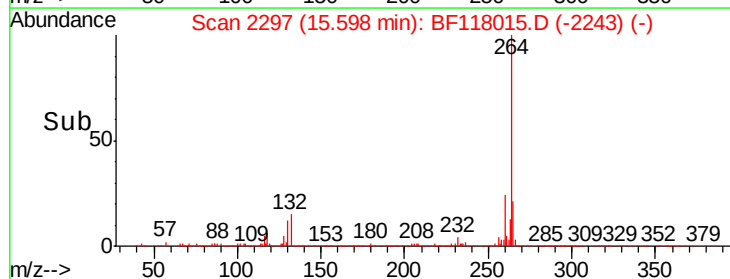
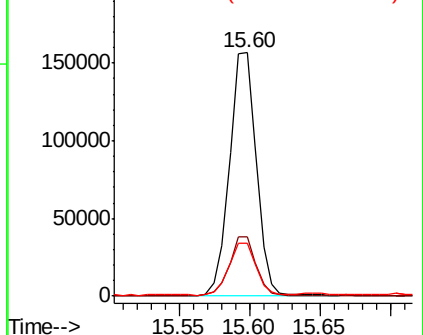
265 21.5 17.1 25.7

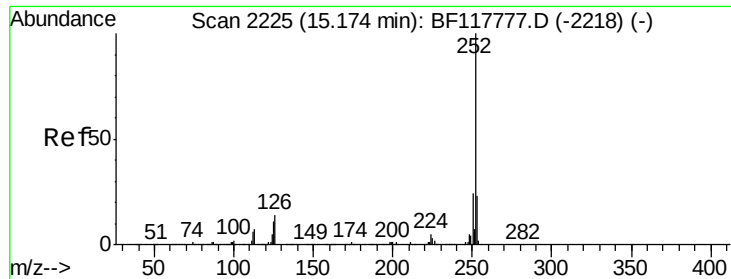


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

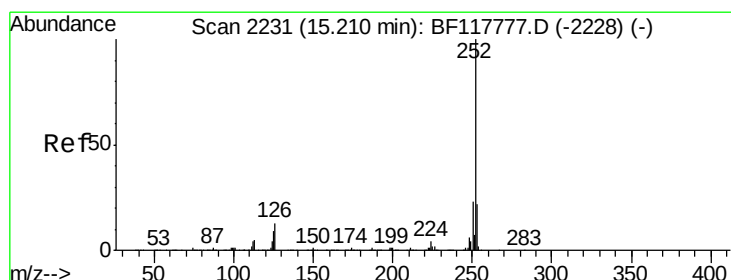
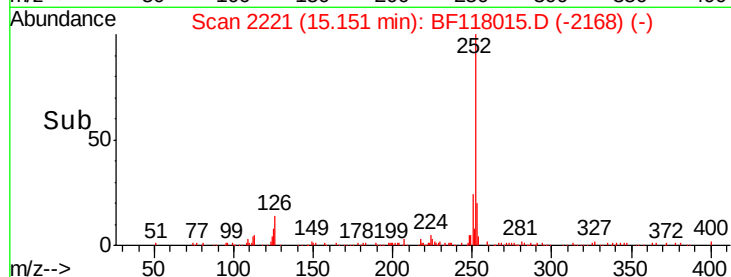
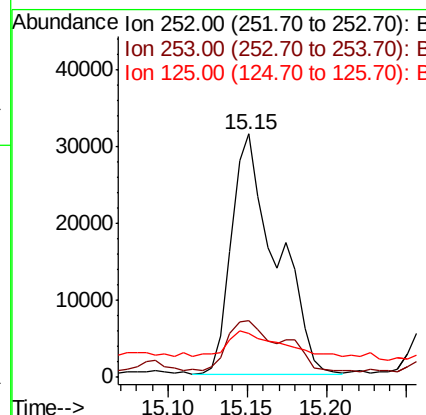
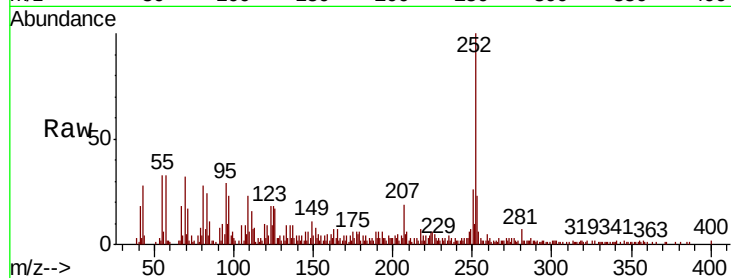




#88
Benzo(b)fluoranthene
Concen: 4.570 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

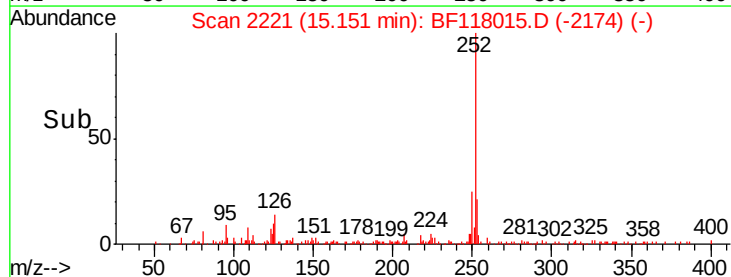
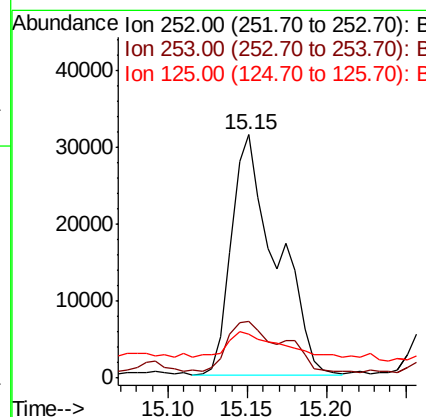
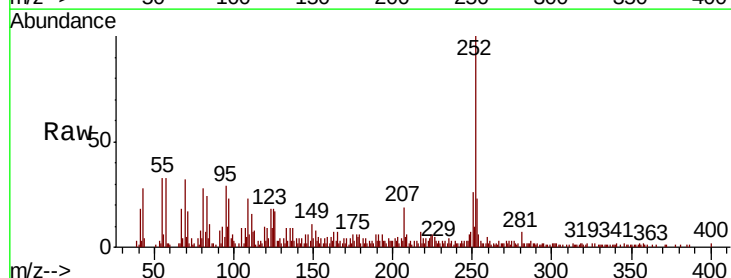
Instrument :
BNA_F
ClientSampleId :

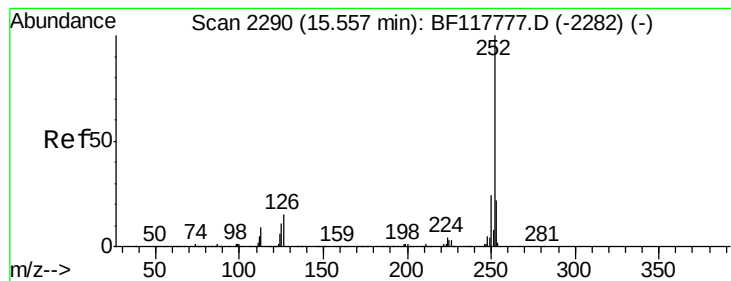
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	18.2	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 4.850 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF118015.D
Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	18.2	7.9	11.9





#90

Benzo(a)pyrene

Concen: 2.903 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF118015.D

Acq: 26 Nov 2019 18:56

Instrument :

BNA_F

ClientSampleId :

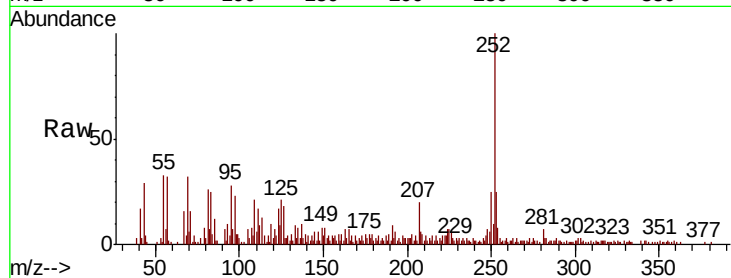
Tot Ion: 252 Resp: 34274

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

125 20.9 9.2 13.8#



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

