

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118344.D
 Acq On : 27 Dec 2019 18:11
 Operator : JU
 Sample : K6431-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

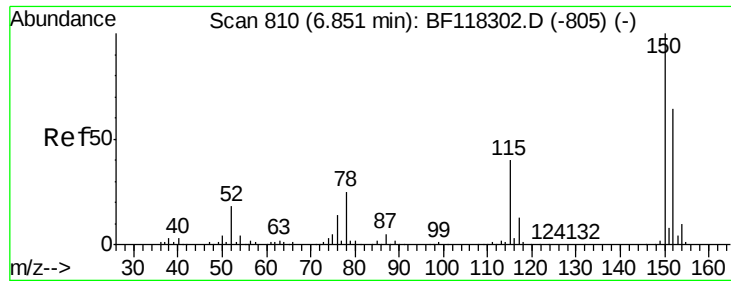
Quant Time: Dec 28 00:00:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	151503	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	606618	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	320458	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	571188	20.00	ng	0.00
76) Chrysene-d12	14.04	240	338744	20.00	ng	0.00
87) Perylene-d12	15.54	264	380552	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	822196	92.64	ng	0.00
7) Phenol-d6	6.49	99	1040845	94.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	634077	59.78	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	340047	85.93	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1267225	60.36	ng	0.00
79) Terphenyl-d14	12.98	244	1296418	63.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	25221	2.038	ng	92
19) n-Nitroso-di-n-propylamine	7.42	70	88556	13.056	ng	# 78
25) Isophorone	7.42	82	630087	34.088	ng	# 62
50) Dimethylphthalate	9.61	163	175676	7.303	ng	100
57) 2,4-Dinitrotoluene	9.90	165	41625	6.007	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	21025	3.145	ng	# 1
71) Phenanthrene	11.42	178	255675	8.211	ng	98
75) Fluoranthene	12.61	202	440161	14.007	ng	98
78) Pyrene	12.85	202	366187	13.238	ng	99
81) Benzo(a)anthracene	14.03	228	162686	6.861	ng	98
83) Chrysene	14.07	228	152272	6.707	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	108689	5.618	ng	95
88) Benzo(b)fluoranthene	15.10	252	281115	11.128	ng	# 94
89) Benzo(k)fluoranthene	15.10	252	281115	11.590	ng	# 95
90) Benzo(a)pyrene	15.47	252	149640	6.725	ng	97
92) Benzo(g,h,i)perylene	17.49	276	100710	5.399	ng	96

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

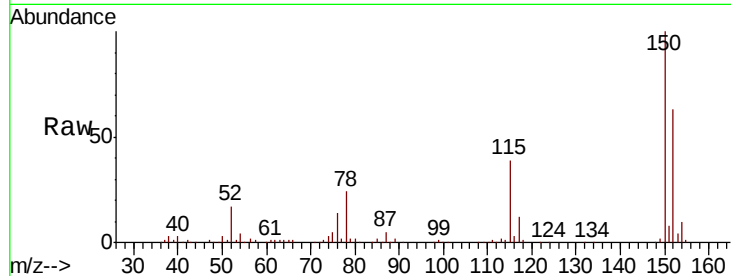


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.4	188.2
115	61.6	50.2	75.4

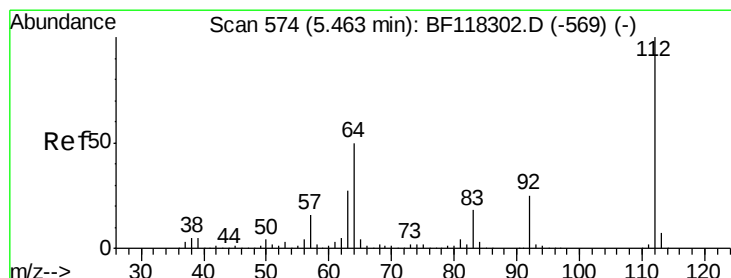
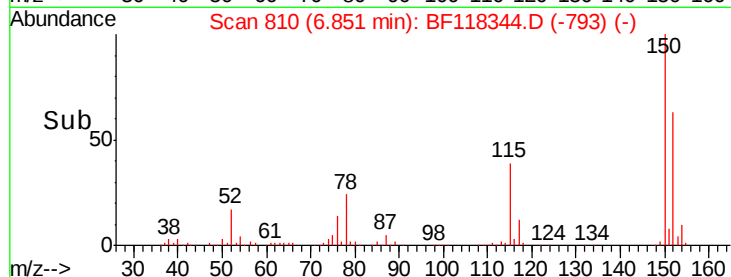
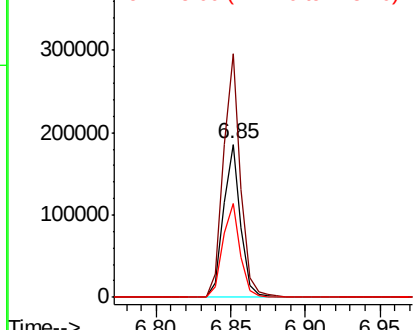


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

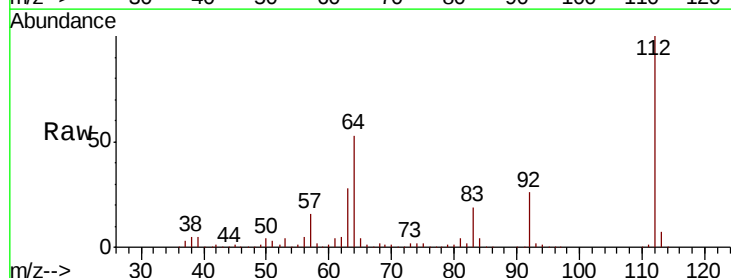
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.637 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.7	59.5
63	28.3	21.7	32.5

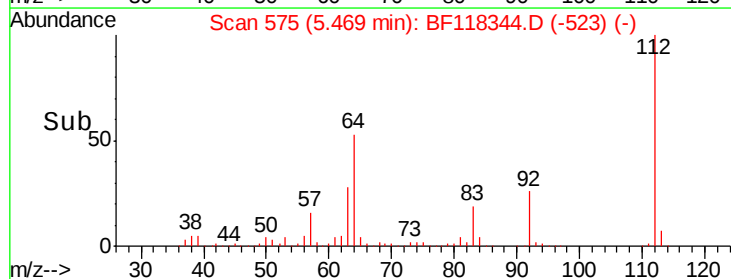
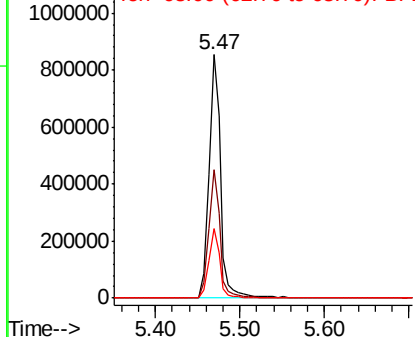


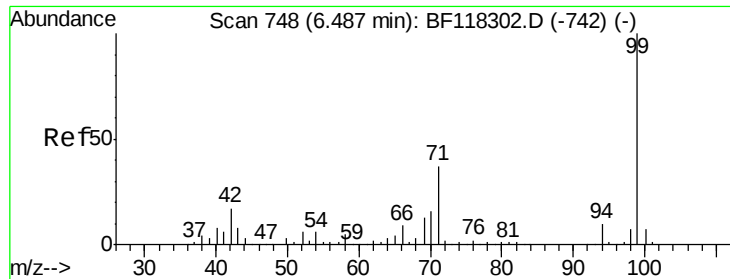
Abundance

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: 94.534 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

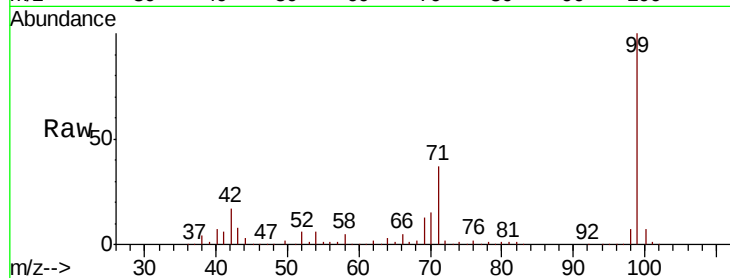
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1040845

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	36.6	29.4	44.2

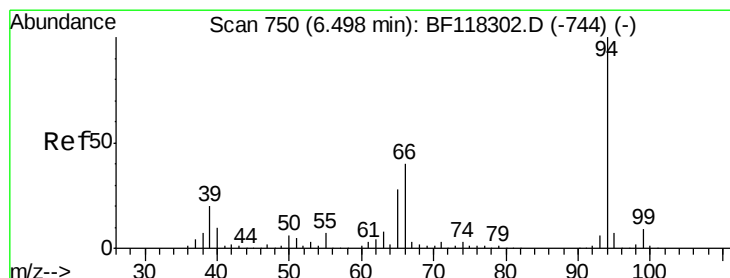
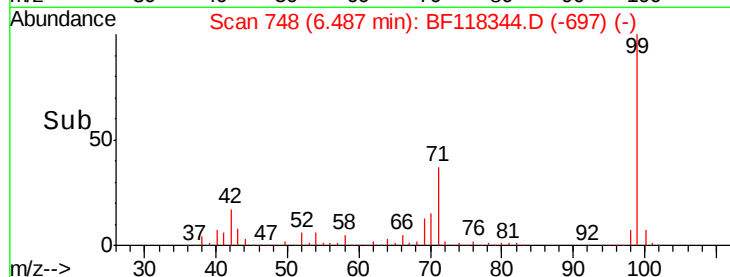
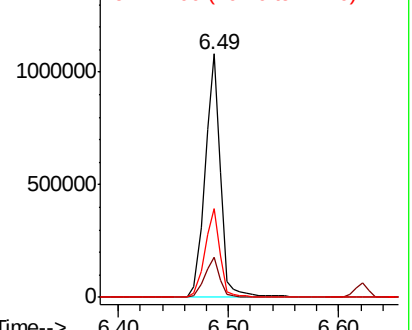


Abundance

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



#10

Phenol

Concen: 2.038 ng

RT: 6.50 min Scan# 750

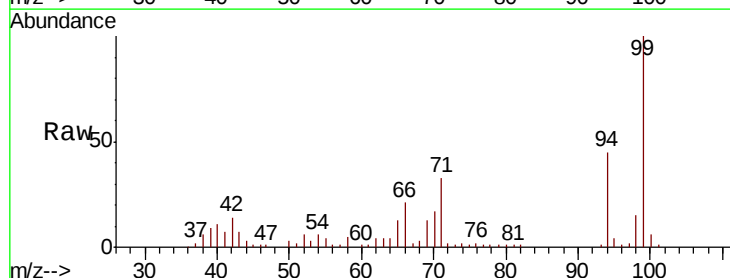
Delta R.T. 0.00 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Tgt Ion: 94 Resp: 25221

Ion	Ratio	Lower	Upper
94	100		
65	28.9	7.8	47.8
66	47.8	20.4	60.4

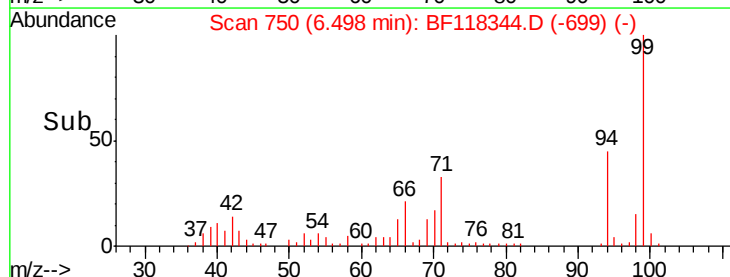
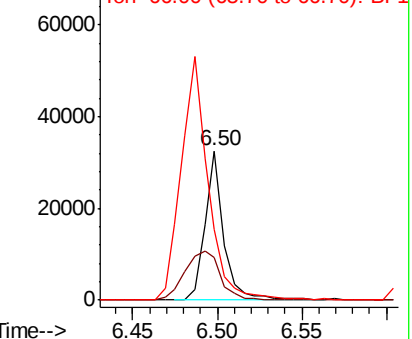


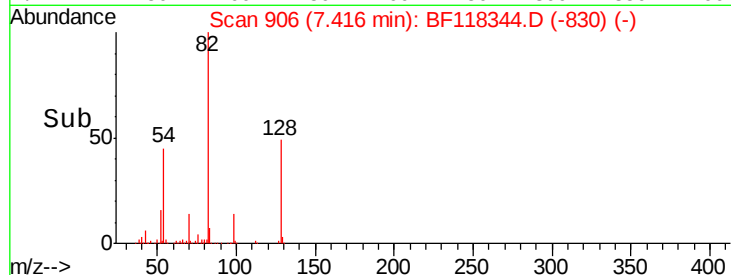
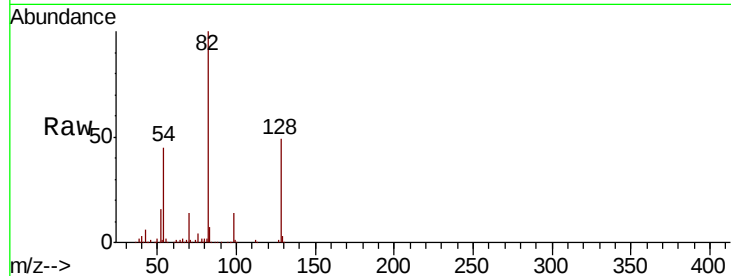
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

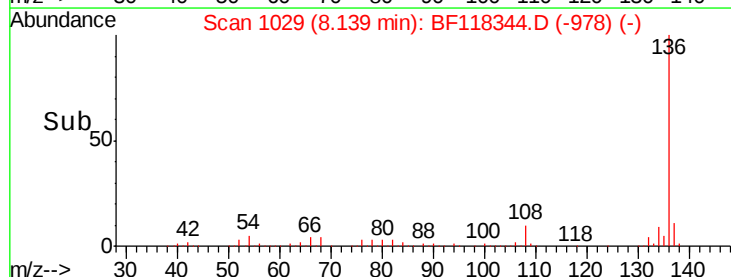
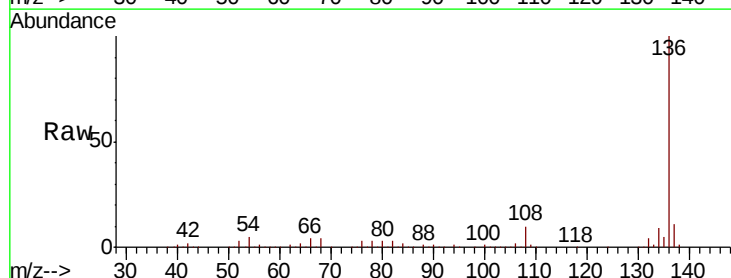
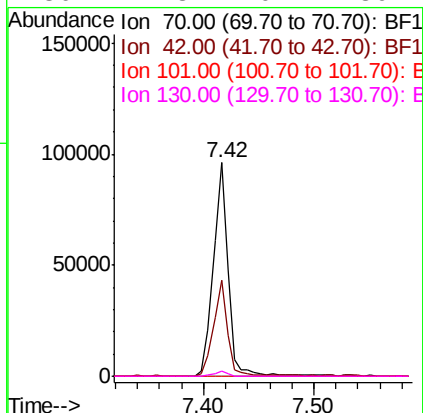




#19
n-Nitroso-di-n-propylamine
Concen: 13.056 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

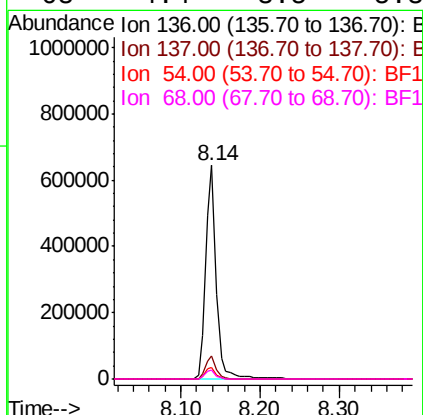
Instrument :
BNA_F
ClientSampleId :

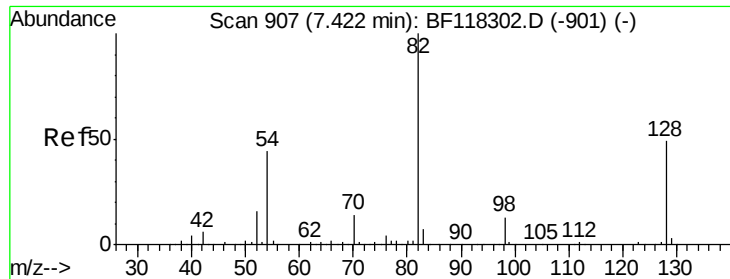
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.9	41.1	61.7
101	0.0	8.3	12.5#
130	2.3	20.1	30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.3	4.2	6.4
68	4.4	3.5	5.3

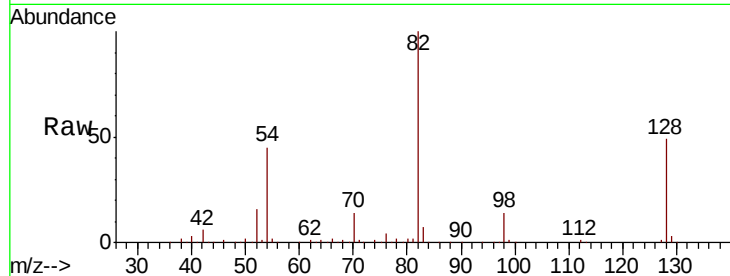




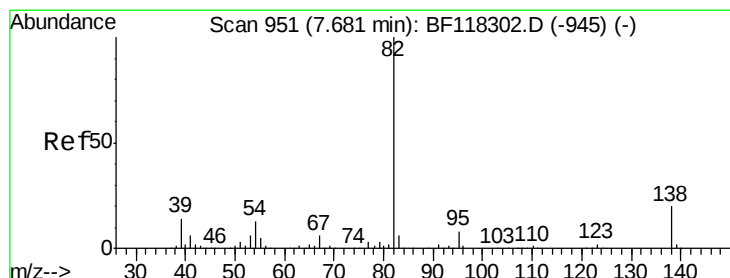
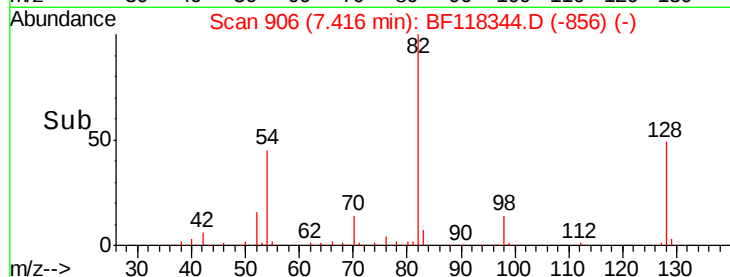
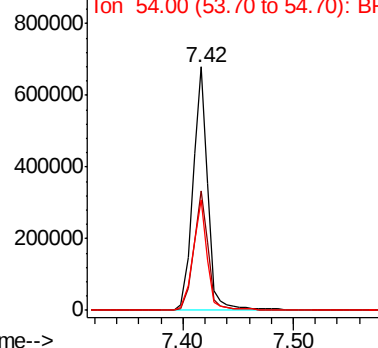
#23
Nitrobenzene-d5
Concen: 59.784 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	634077
Ion Ratio	100	Lower	Upper
128	48.8	39.6	59.4
54	45.2	34.9	52.3

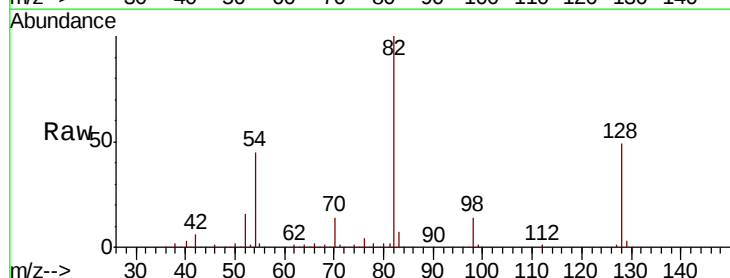


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

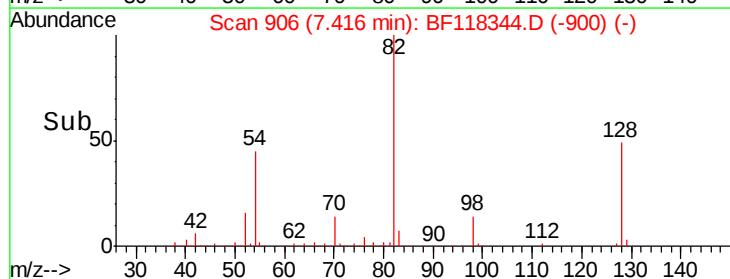
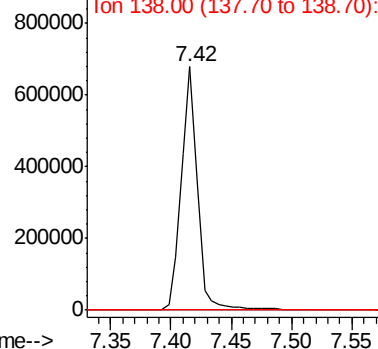


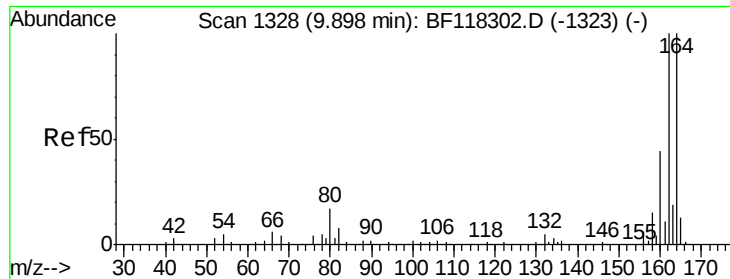
#25
Isophorone
Concen: 34.088 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	82	Resp	630087
Ion Ratio	100	Lower	Upper
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#



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

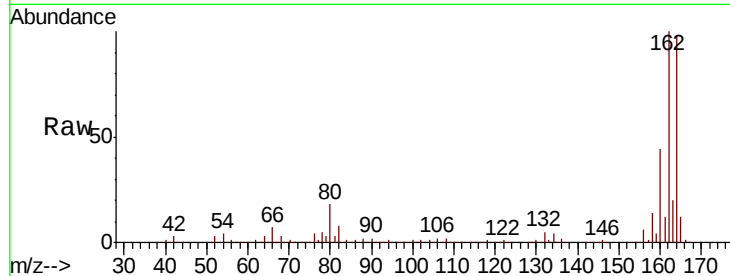




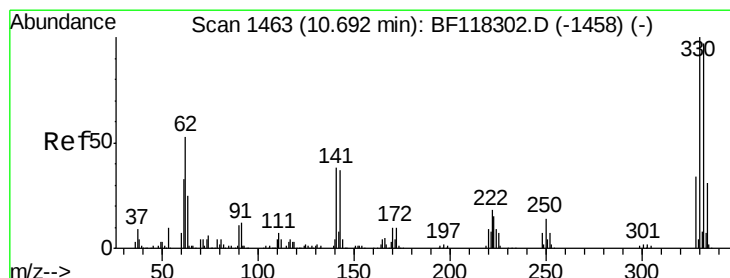
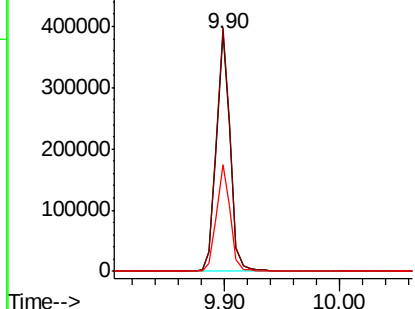
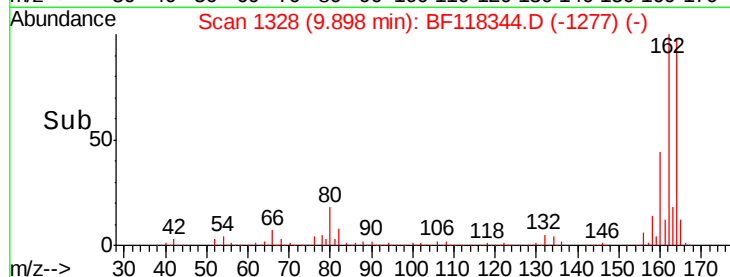
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 320458
Ion Ratio Lower Upper
164 100
162 102.1 80.0 120.0
160 44.6 34.8 52.2

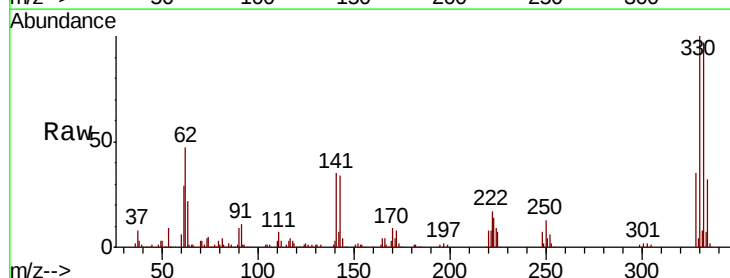


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

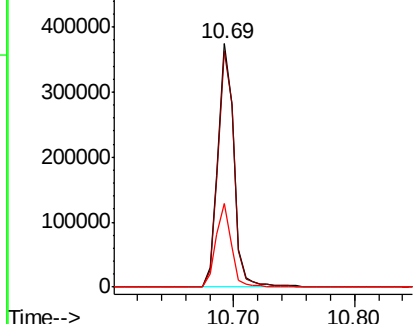
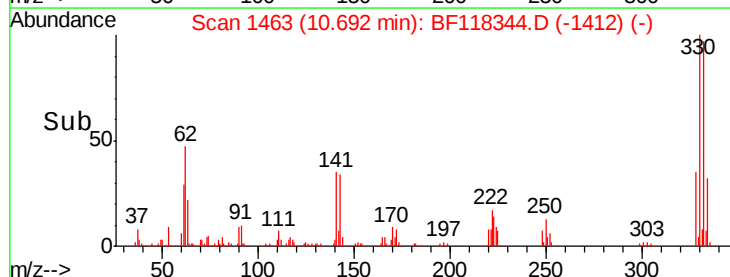


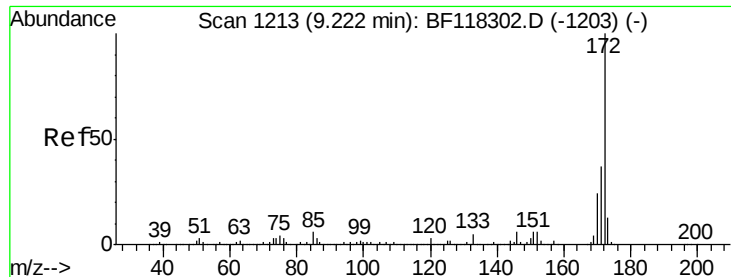
#42
2,4,6-Tribromophenol
Concen: 85.926 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion:330 Resp: 340047
Ion Ratio Lower Upper
330 100
332 97.7 76.6 114.8
141 33.0 26.0 39.0



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

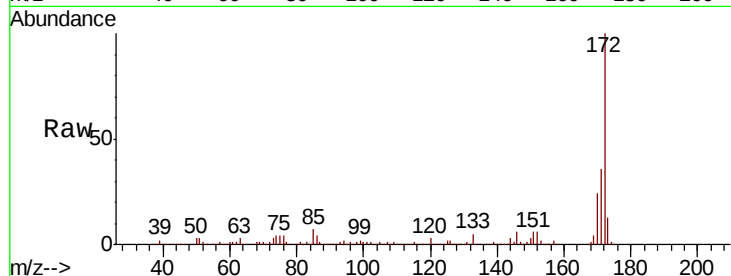




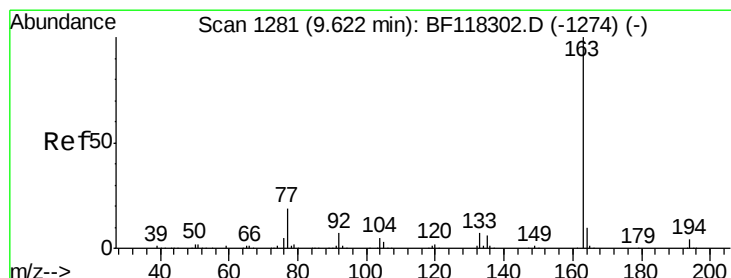
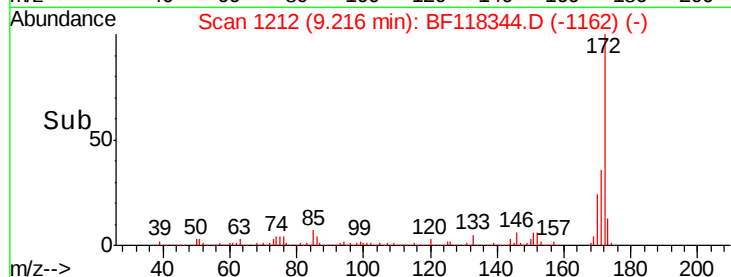
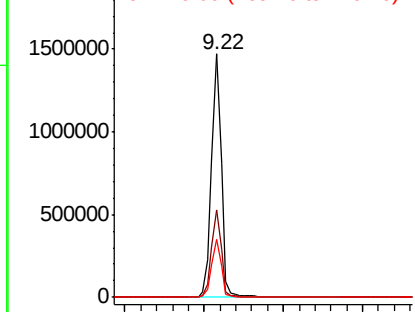
#45
2-Fluorobiphenyl
Concen: 60.363 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1267225
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.1 19.2 28.8

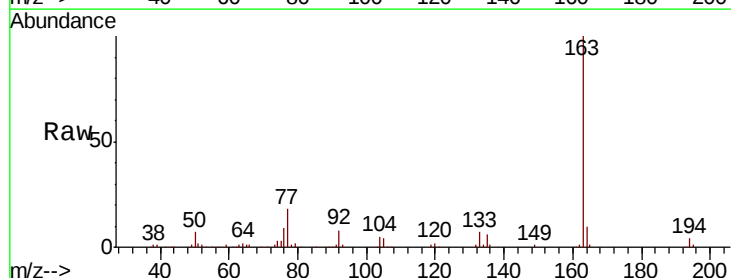


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

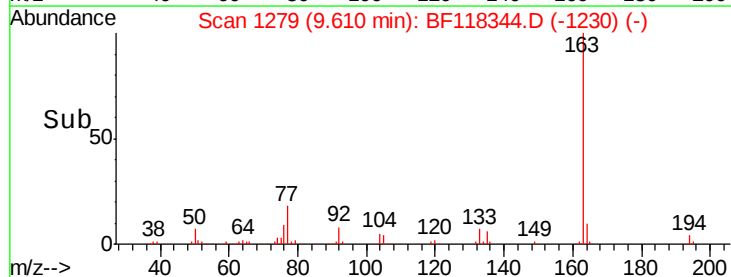
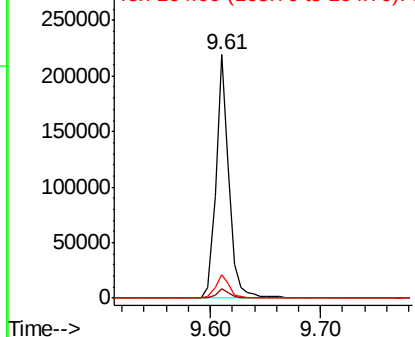


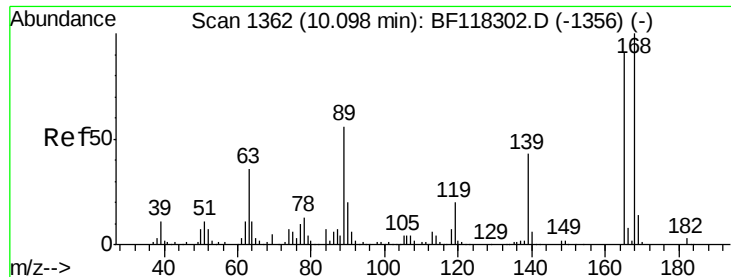
#50
Dimethylphthalate
Concen: 7.303 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion:163 Resp: 175676
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.8 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
300000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

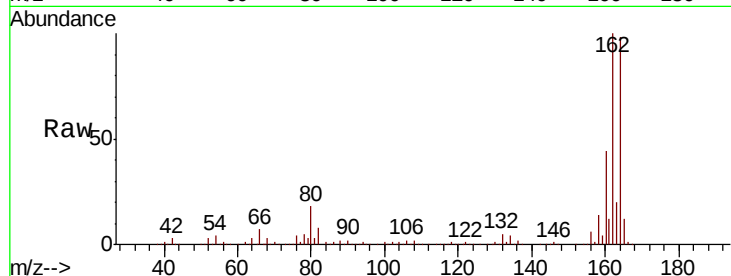




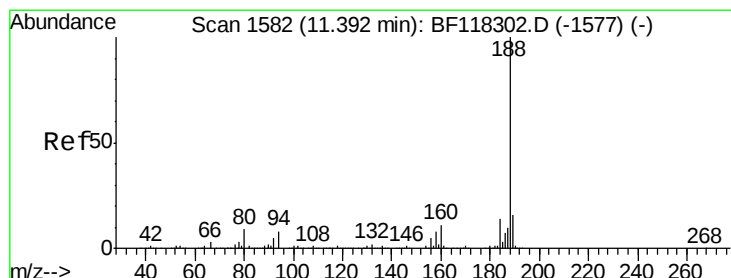
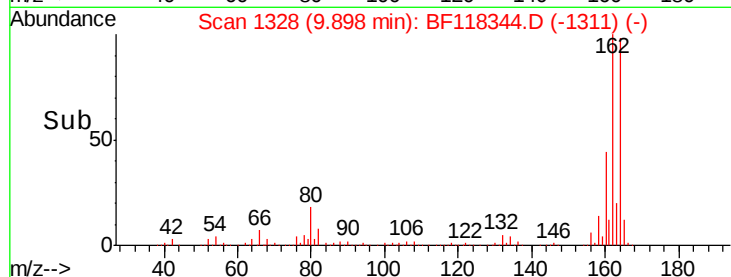
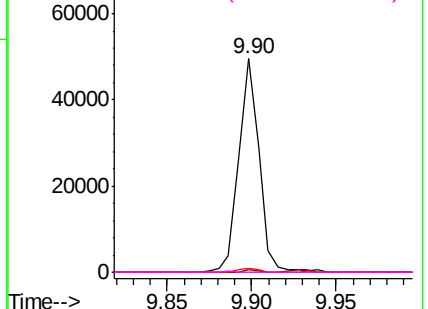
#57
 2,4-Dinitrotoluene
 Concen: 6.007 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.0	48.0#
89	1.6	49.3	73.9#
182	0.0	2.4	3.6#

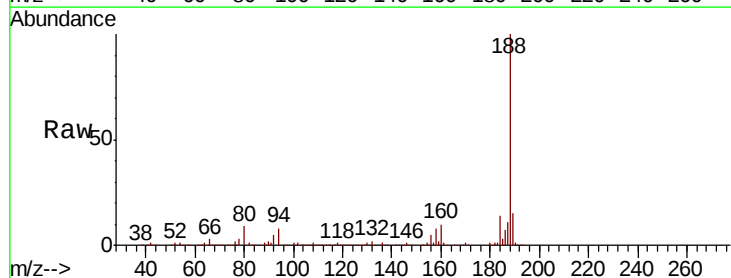


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

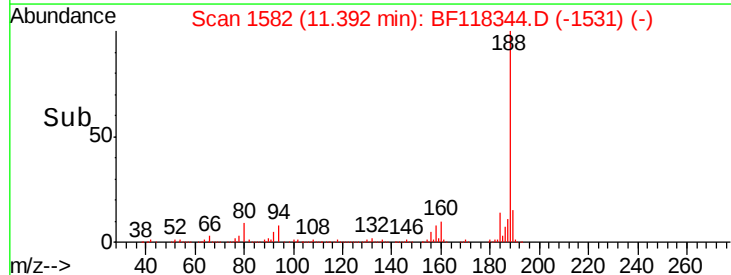
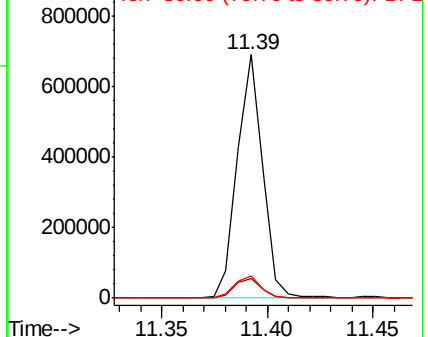


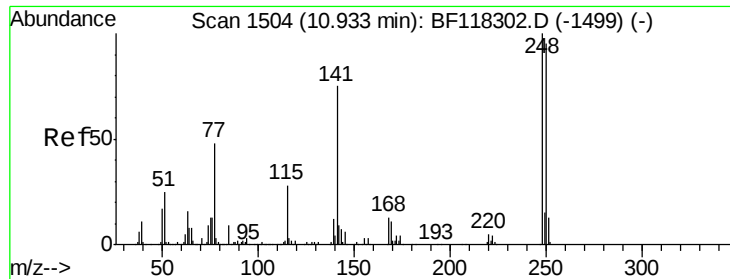
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	7.2	10.8



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

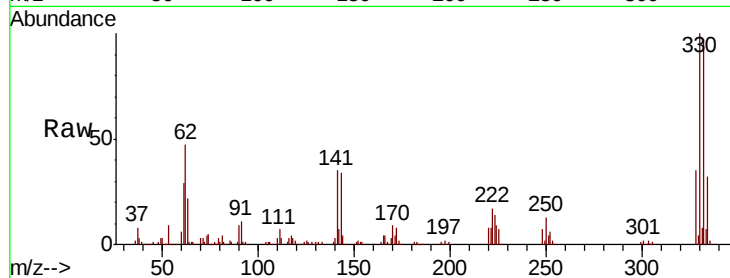




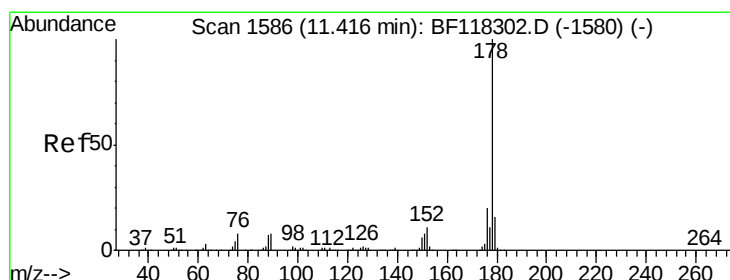
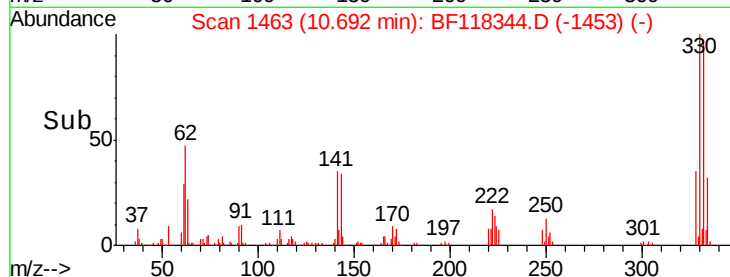
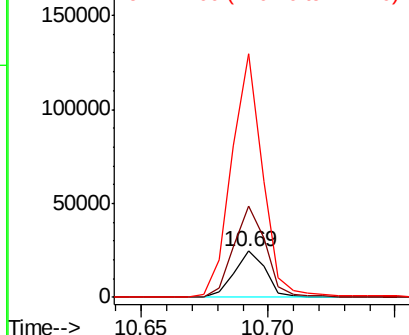
#67
 4-Bromophenyl-phenylether
 Concen: 3.145 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21025
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.4 114.6#
 141 529.8 60.2 90.2#

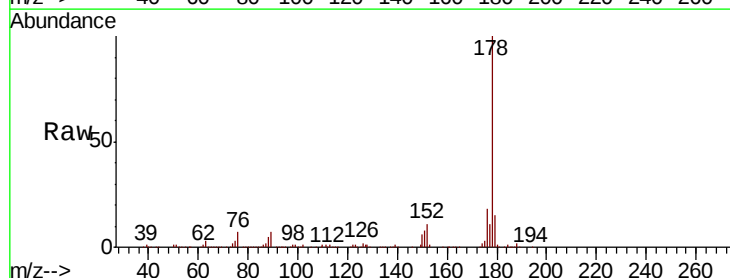


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

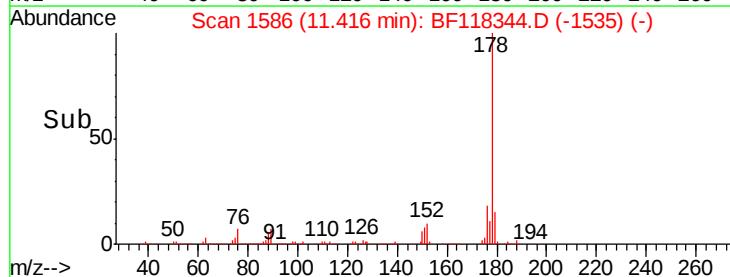
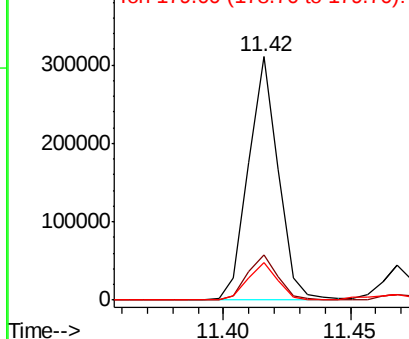


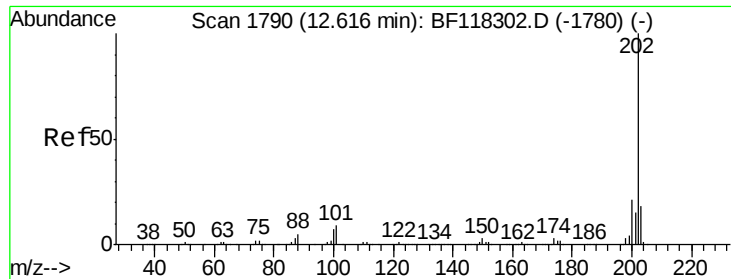
#71
 Phenanthrene
 Concen: 8.211 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Tgt Ion:178 Resp: 255675
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 15.4 12.6 19.0



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: 14.007 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Instrument :

BNA_F

ClientSampleId :

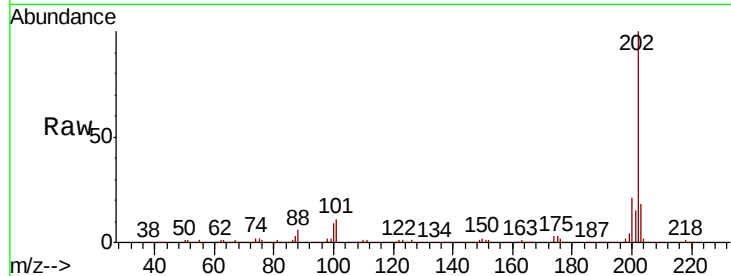
Tot Ion:202 Resp: 440161

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.5

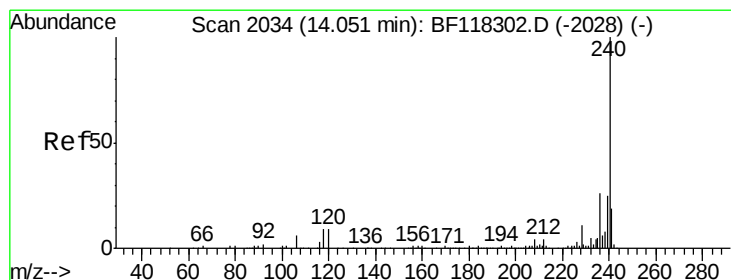
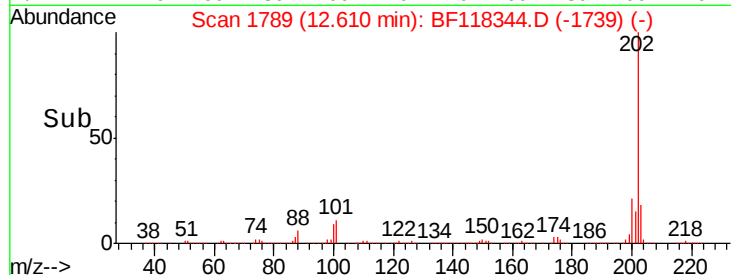
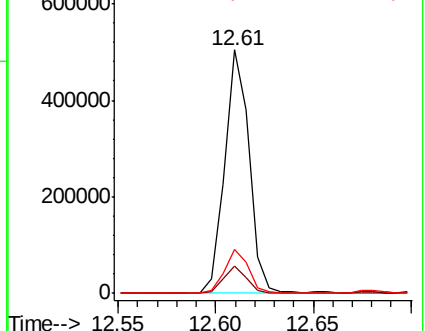
203 18.2 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

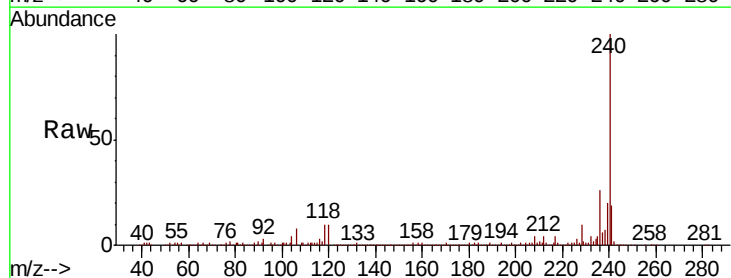
Tgt Ion:240 Resp: 338744

Ion Ratio Lower Upper

240 100

120 10.0 7.1 10.7

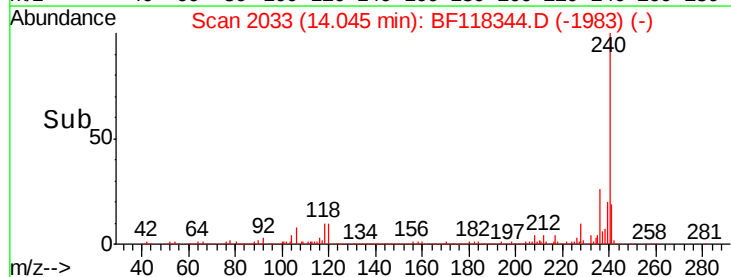
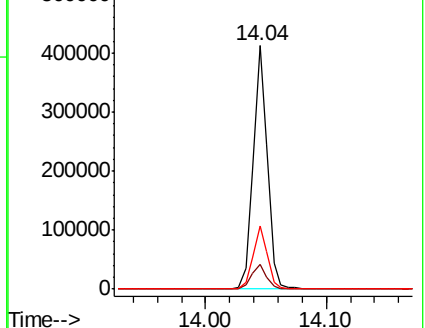
236 26.0 21.0 31.6

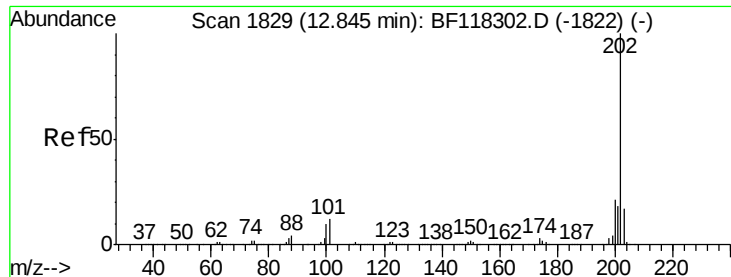


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

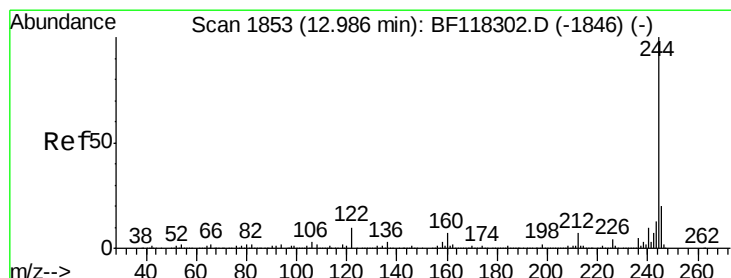
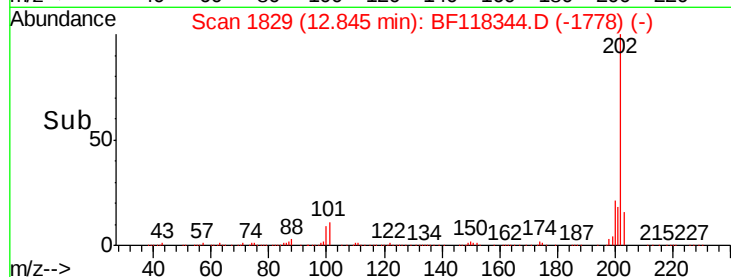
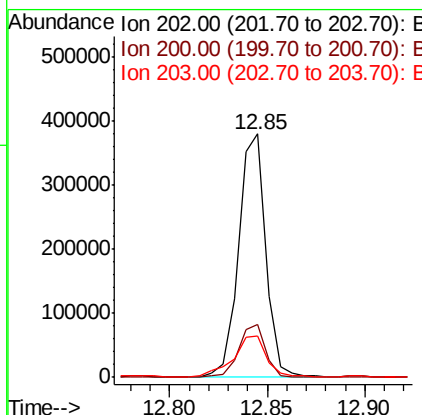
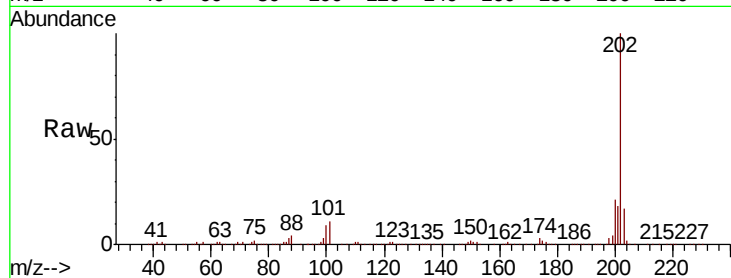




#78
Pvrene
Concen: 13.238 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

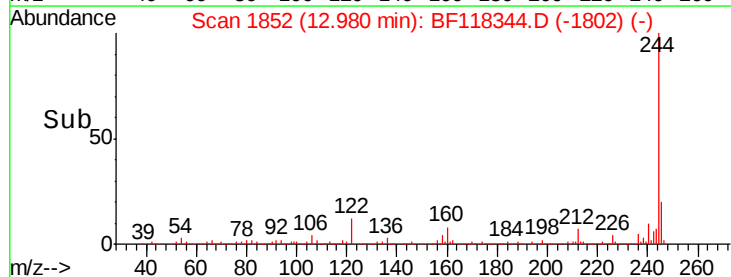
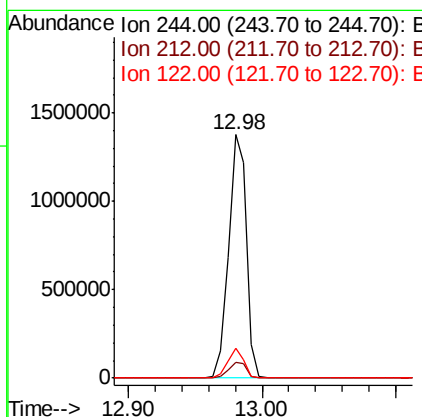
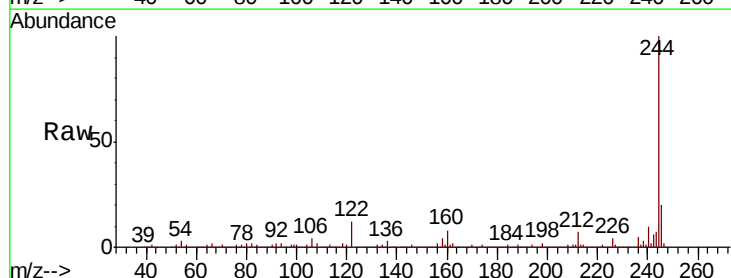
Instrument :
BNA_F
ClientSampleId :

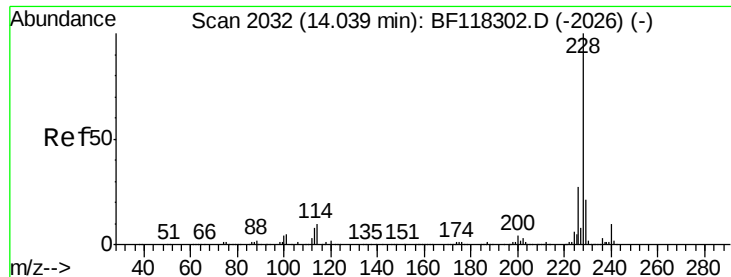
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	16.9	13.9	20.9



#79
Terphenyl-d14
Concen: 63.493 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	12.1	7.8	11.8





#81

Benzo(a)anthracene

Concen: 6.861 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Instrument :

BNA_F

ClientSampleId :

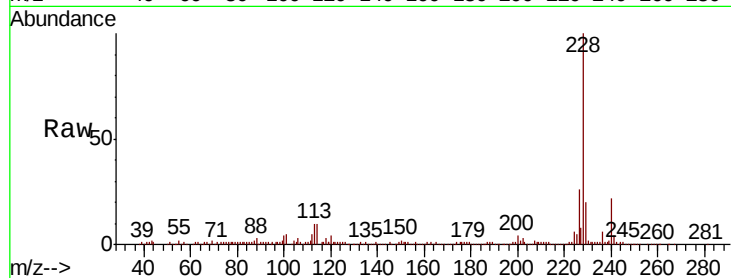
Tot Ion:228 Resp: 162686

Ion Ratio Lower Upper

228 100

226 26.5 22.0 33.0

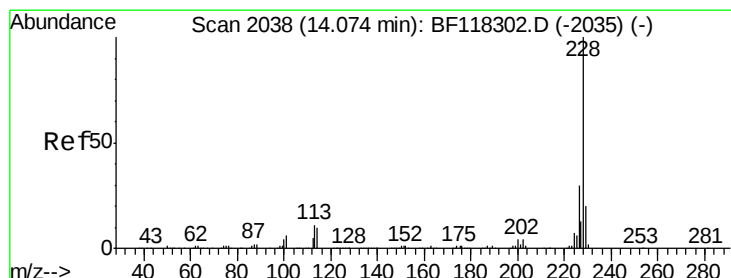
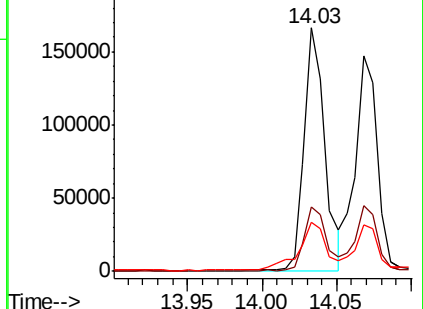
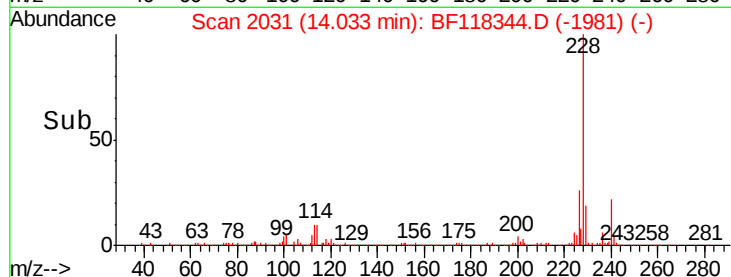
229 20.1 16.6 24.8



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: 6.707 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

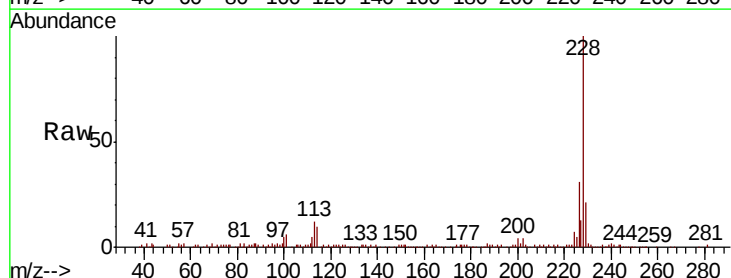
Tgt Ion:228 Resp: 152272

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

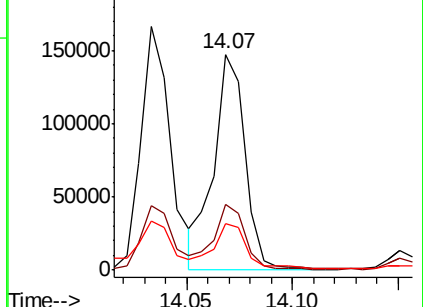
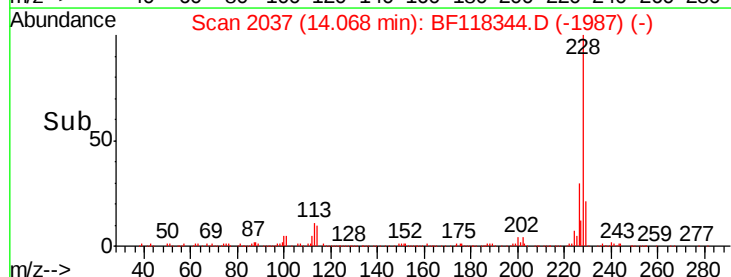
229 21.3 16.1 24.1

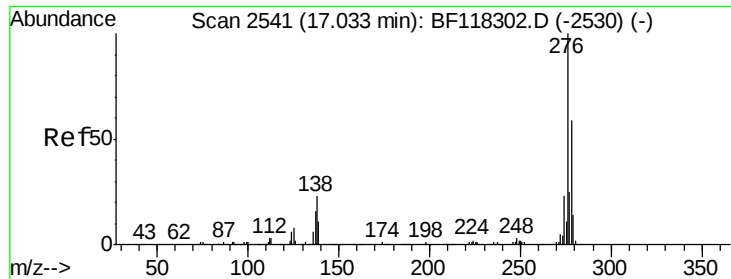


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

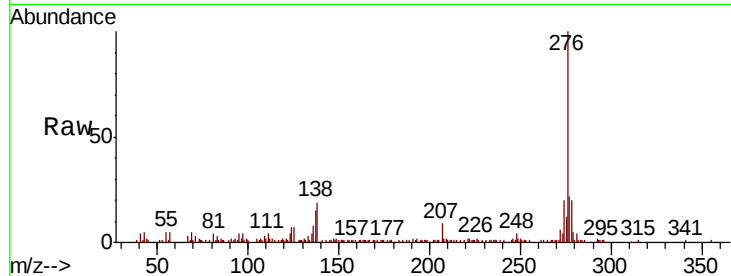




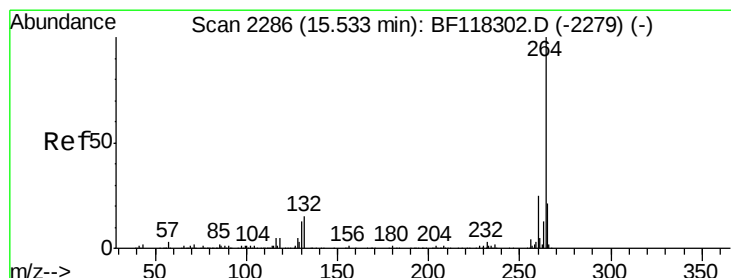
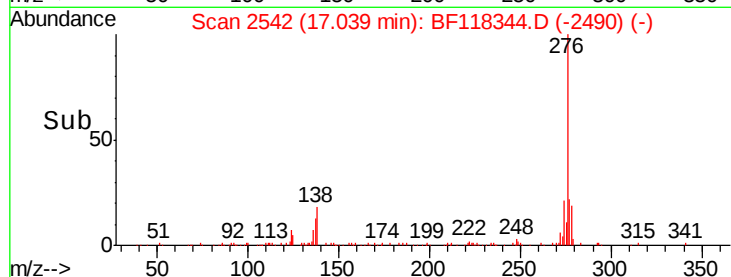
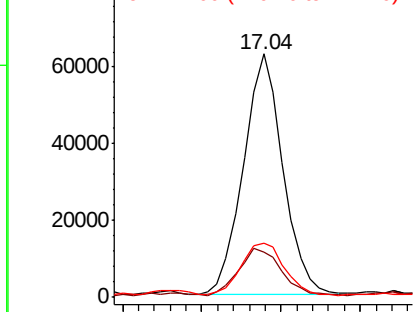
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.618 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.5	29.3
277	23.8	20.6	30.8

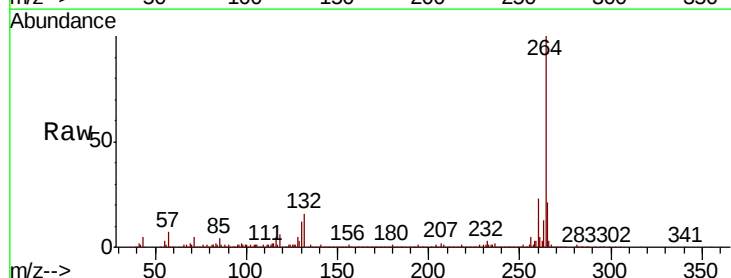


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

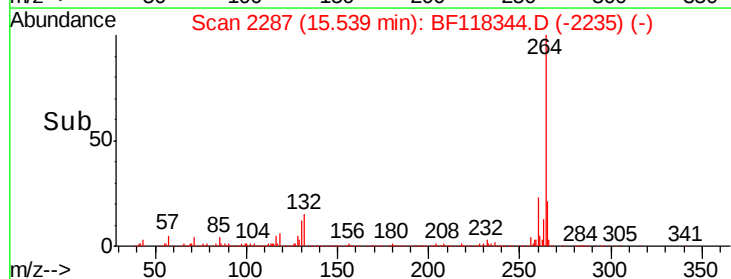
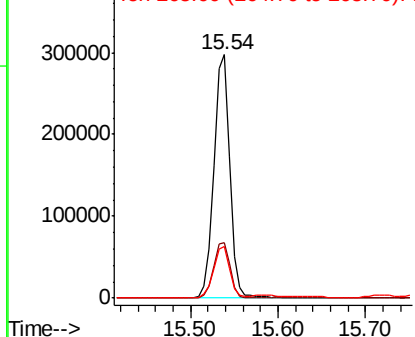


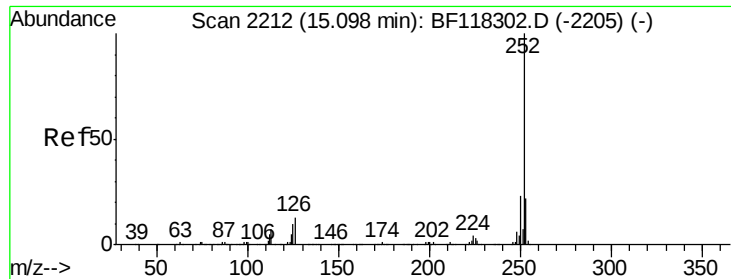
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.8	29.6
265	21.0	17.0	25.4



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

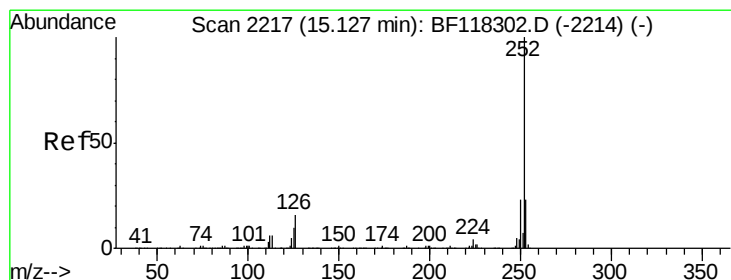
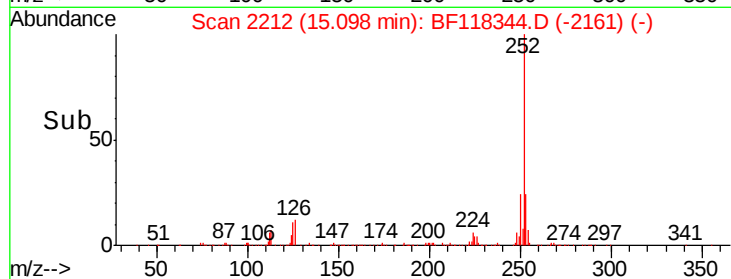
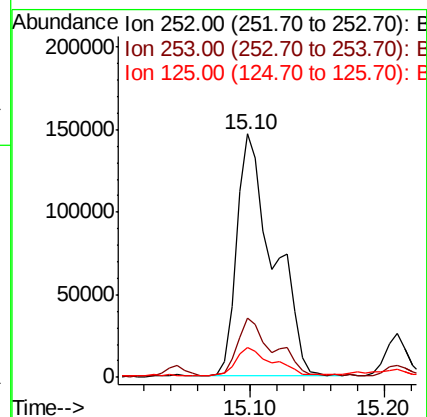
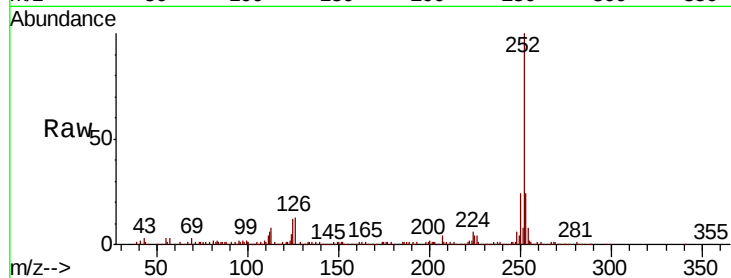




#88
Benzo(b)fluoranthene
Concen: 11.128 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

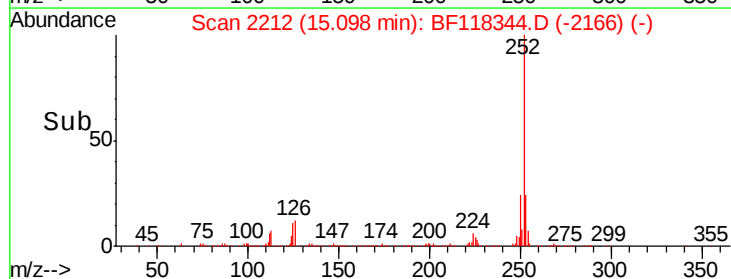
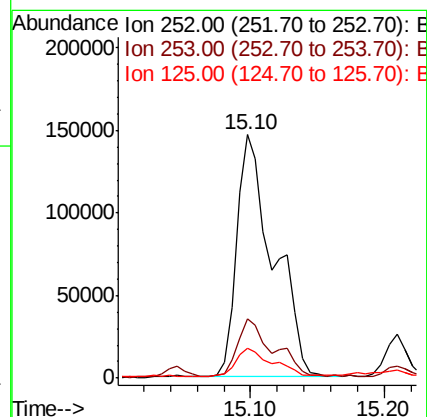
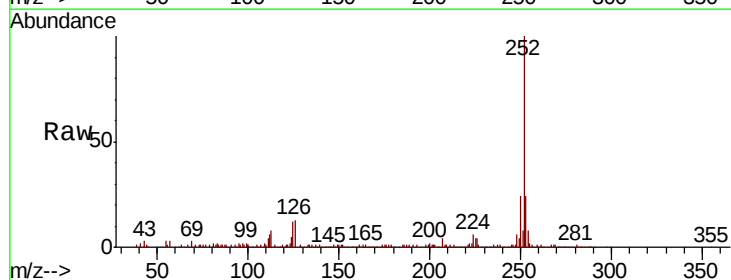
Instrument :
BNA_F
ClientSampleId :

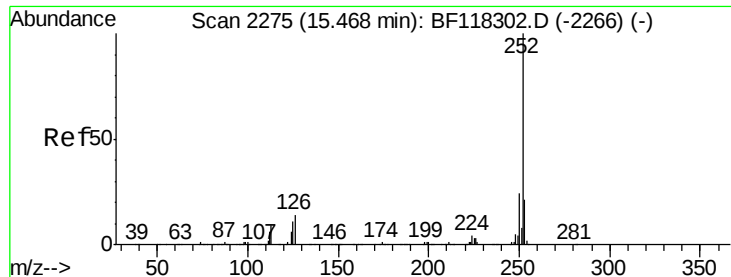
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.1	7.7	11.5#



#89
Benzo(k)fluoranthene
Concen: 11.590 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	12.1	8.0	12.0#

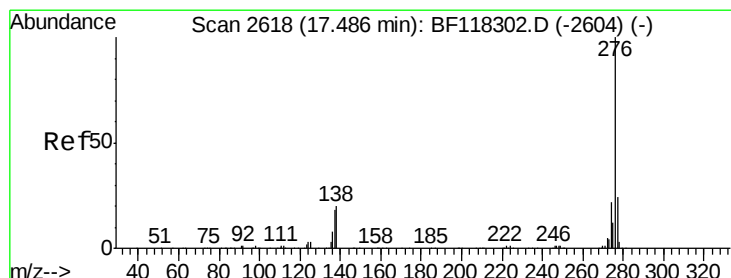
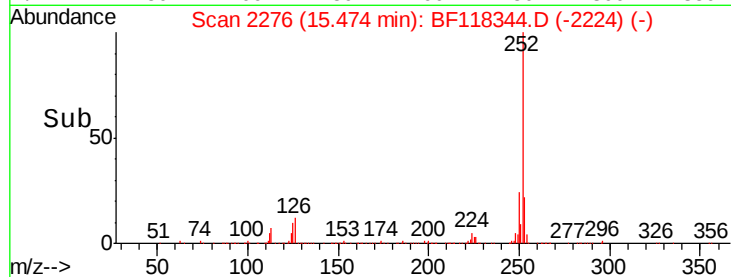
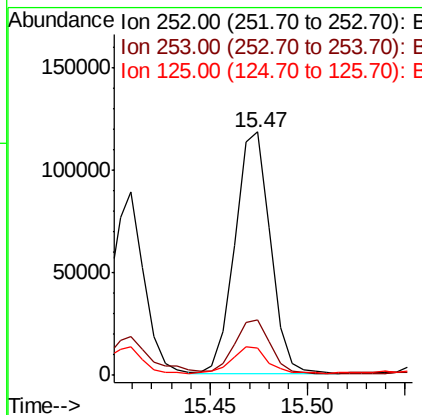
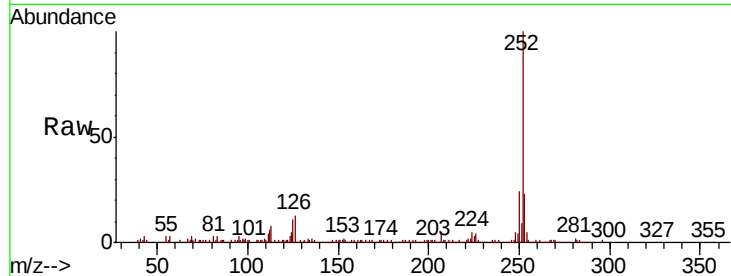




#90
Benzo(a)pyrene
Concen: 6.725 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.4



#92
Benzo(g,h,i)perylene
Concen: 5.399 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.1	28.7
138	22.1	16.1	24.1

