

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116780.D
 Acq On : 3 Sep 2019 18:45
 Operator : HP/JU
 Sample : K4581-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:02:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116870	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	471770	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	241730	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	387807	20.00	ng	0.00
76) Chrysene-d12	14.00	240	251791	20.00	ng	0.00
87) Perylene-d12	15.46	264	297917	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	599164	83.06	ng	0.00
7) Phenol-d6	6.47	99	808483	85.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	486453	58.86	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	169657	104.98	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	859858	60.00	ng	0.00
79) Terphenyl-d14	12.95	244	746415	54.84	ng	0.00

Target Compounds

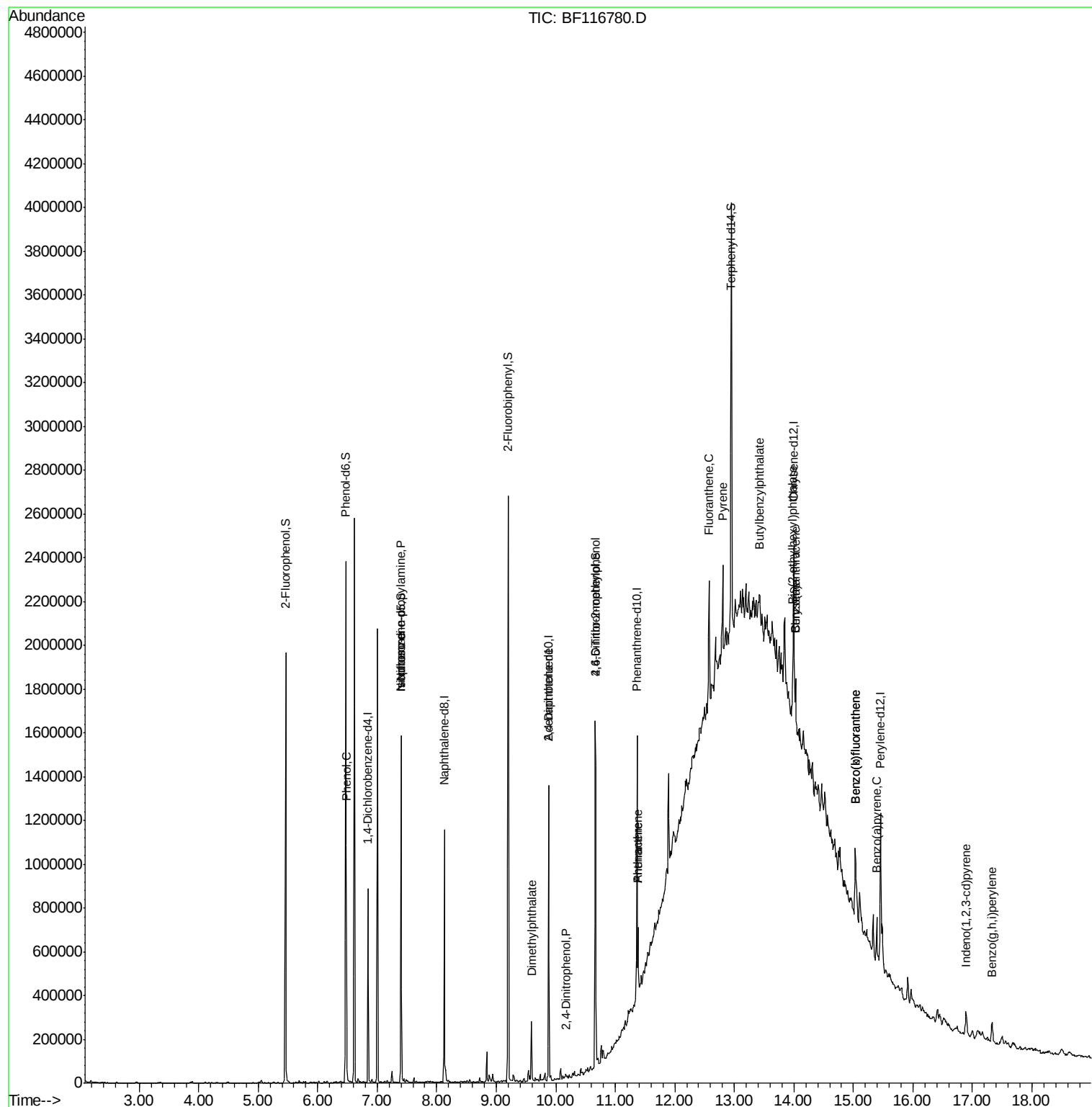
						Qvalue
10) Phenol	6.49	94	49662	4.735	ng	86
19) n-Nitroso-di-n-propylamine	7.40	70	63845	10.236	ng	# 70
25) Isophorone	7.40	82	486449	29.049	ng	# 66
50) Dimethylphthalate	9.59	163	108166	6.481	ng	98
54) 2,4-Dinitrophenol	10.16	184	114	9.130	ng	# 14
57) 2,4-Dinitrotoluene	9.88	165	30546	7.846	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	306	7.632	ng	# 1
71) Phenanthrene	11.39	178	107746	4.991	ng	98
72) Anthracene	11.39	178	107746	4.958	ng	99
75) Fluoranthene	12.57	202	213460	10.062	ng	91
78) Pyrene	12.80	202	178157	7.960	ng	# 94
80) Butylbenzylphthalate	13.42	149	25890	2.379	ng	# 69
81) Benzo(a)anthracene	14.03	228	109445	6.868	ng	93
83) Chrysene	14.03	228	109445	6.666	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.98	149	62413	4.645	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	68773	5.215	ng	95
88) Benzo(b)fluoranthene	15.03	252	208054	11.551	ng	# 94
89) Benzo(k)fluoranthene	15.03	252	208054	12.669	ng	# 94
90) Benzo(a)pyrene	15.39	252	90632	5.784	ng	# 94
92) Benzo(a,h,i)perylene	17.33	276	65514	4.683	ng	# 88

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

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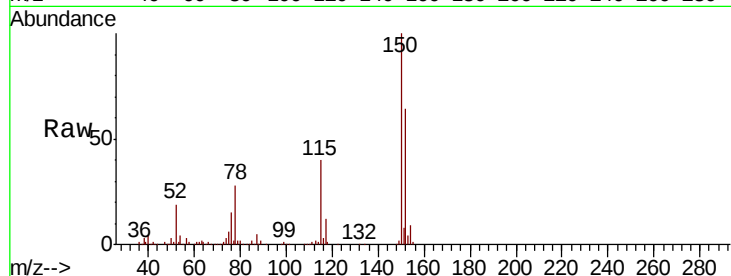


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.4	186.6
115	62.7	49.9	74.9

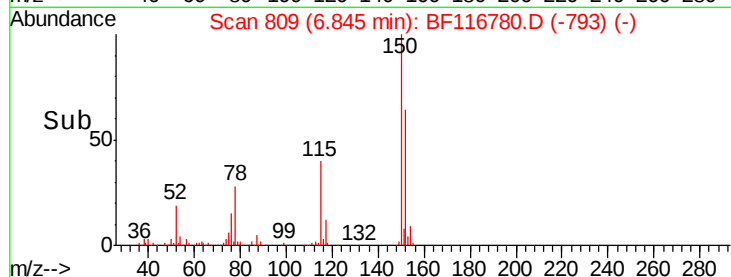
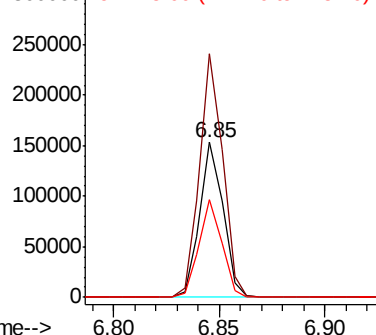


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

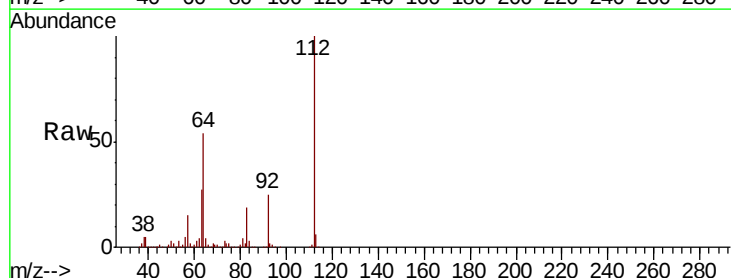
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.056 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.1	70.7
63	27.3	24.9	37.3

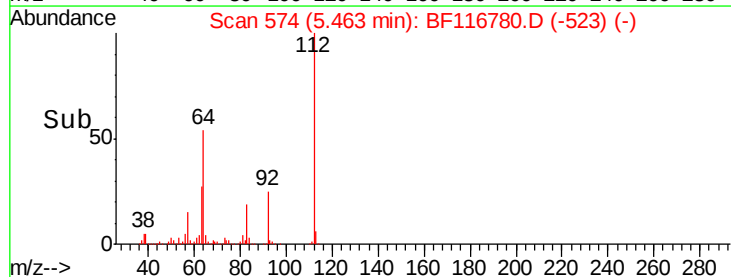
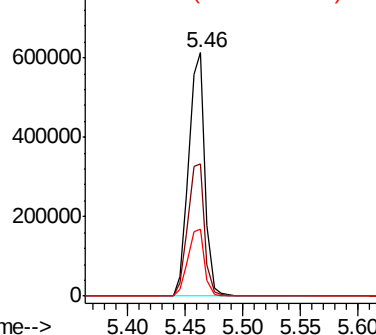


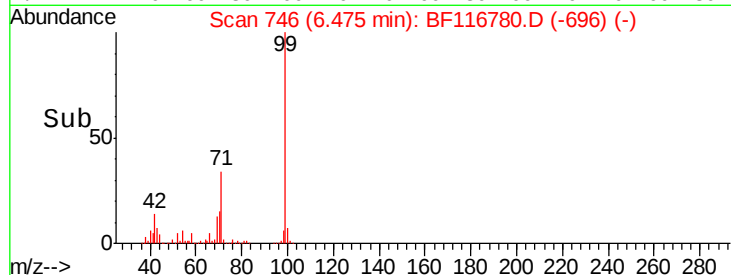
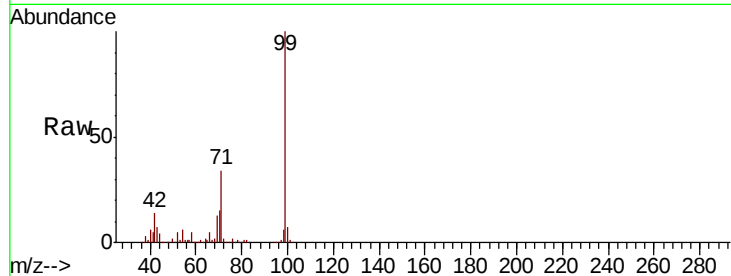
Abundance

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: 85.349 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

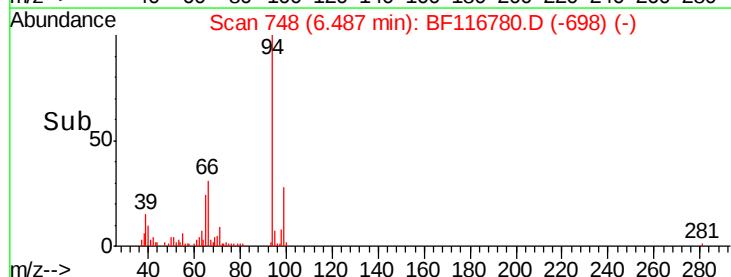
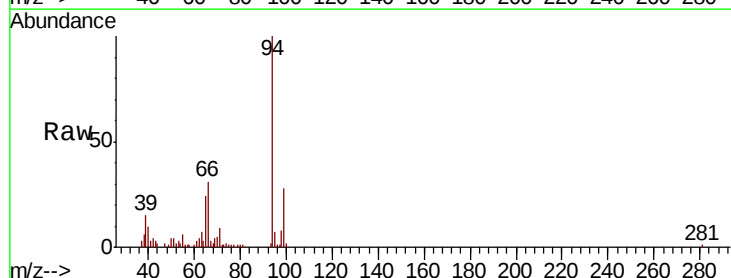
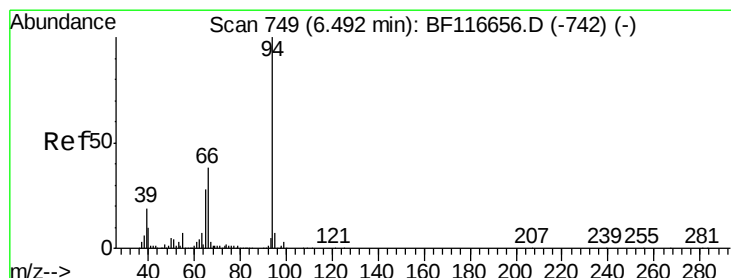
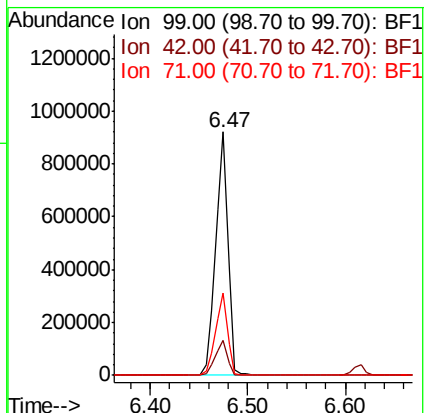
Tot Ion: 99 Resp: 808483

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 33.7 30.8 46.2



#10

Phenol

Concen: 4.735 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

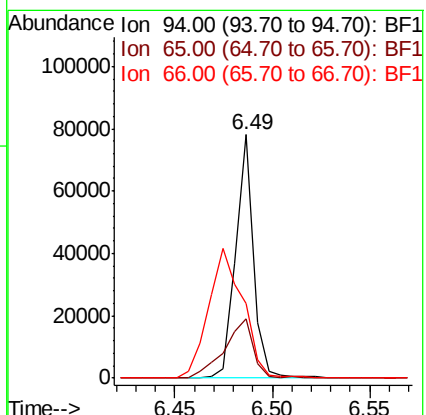
Tgt Ion: 94 Resp: 49662

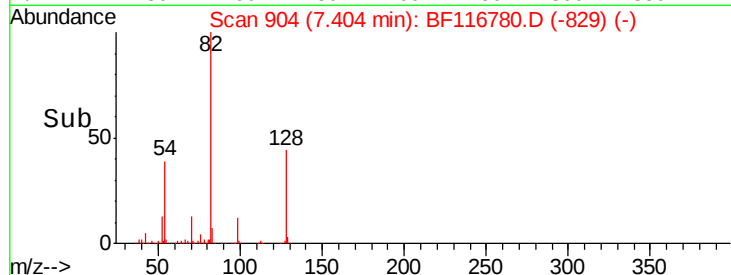
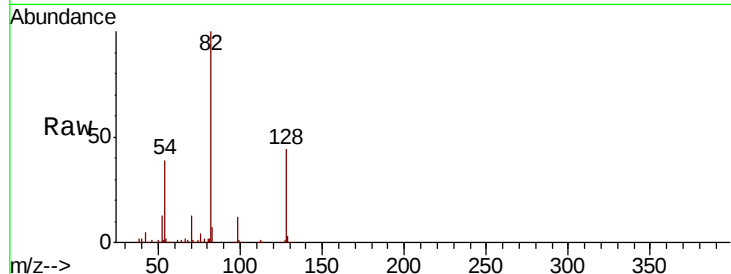
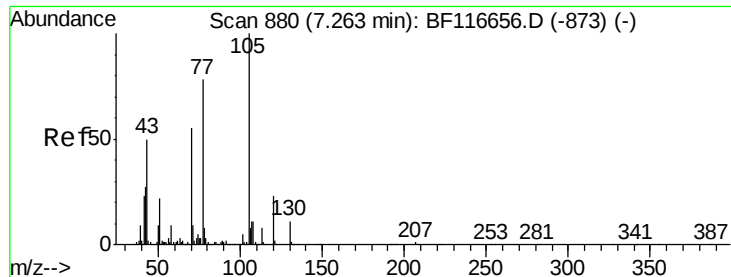
Ion Ratio Lower Upper

94 100

65 24.4 10.8 50.8

66 30.8 21.1 61.1

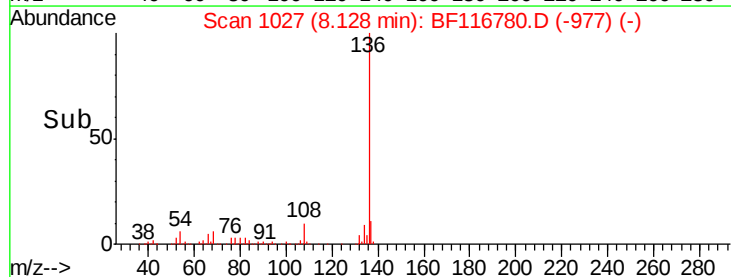
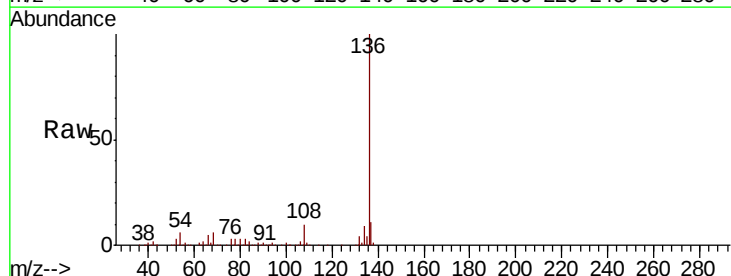
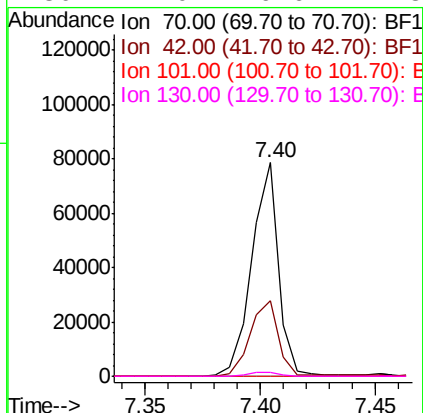




#19
n-Nitroso-di-n-propylamine
Concen: 10.236 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

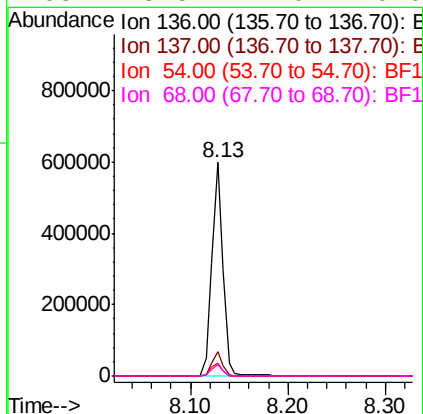
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	63845
Ion	Ratio	Lower	Upper
70	100		
42	35.4	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion:	136	Resp:	471770
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.9	4.8	7.2
68	5.5	4.0	6.0

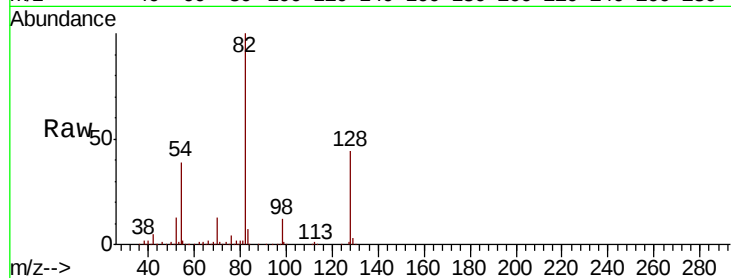




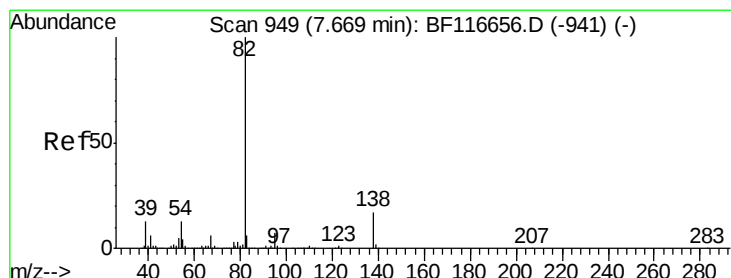
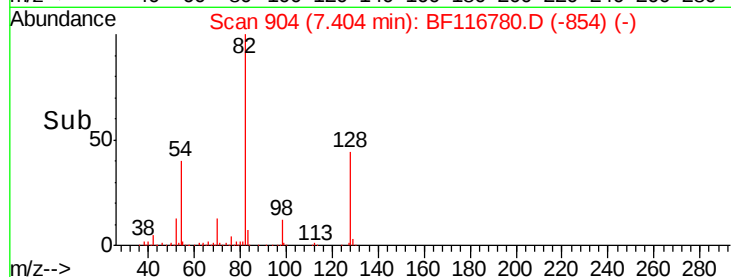
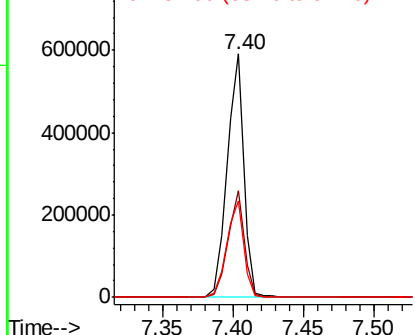
#23
 Nitrobenzene-d5
 Concen: 58.864 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.8	49.2
54	39.5	36.9	55.3

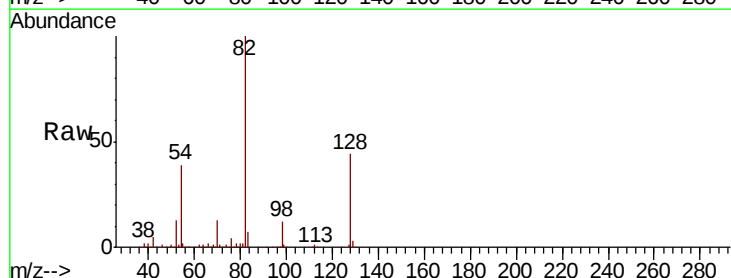


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

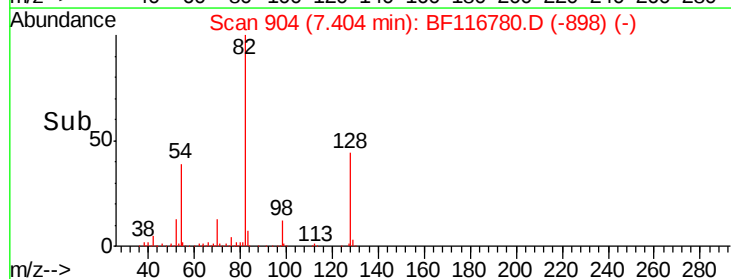
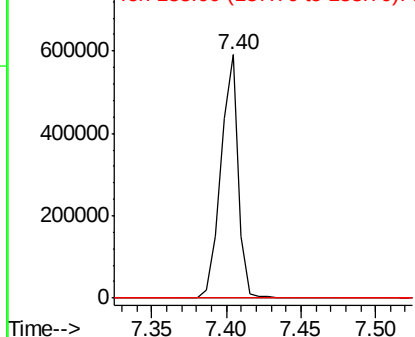


#25
 Isophorone
 Concen: 29.049 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

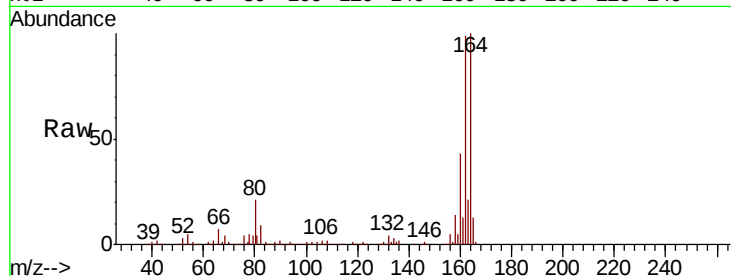




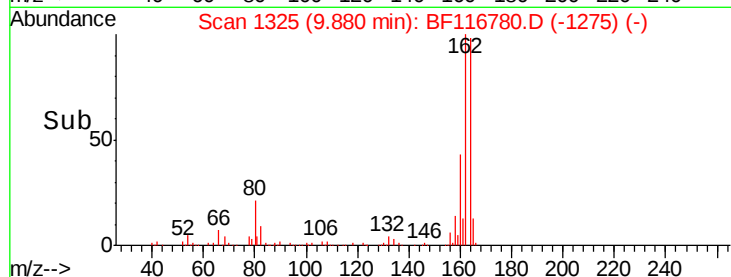
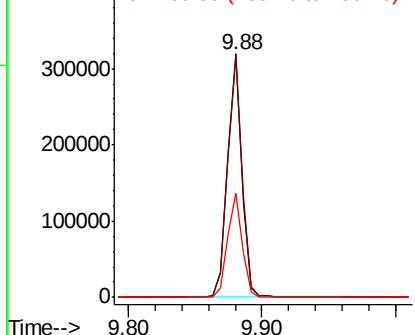
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 241730
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.0
160 42.8 35.4 53.2

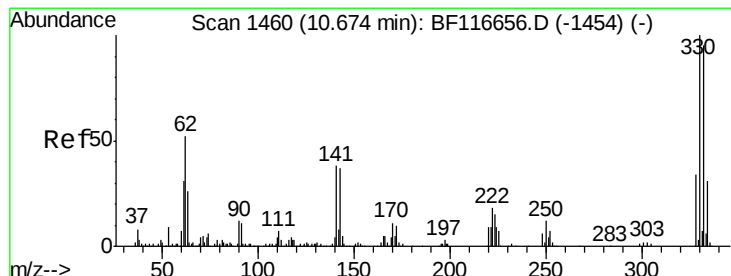


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

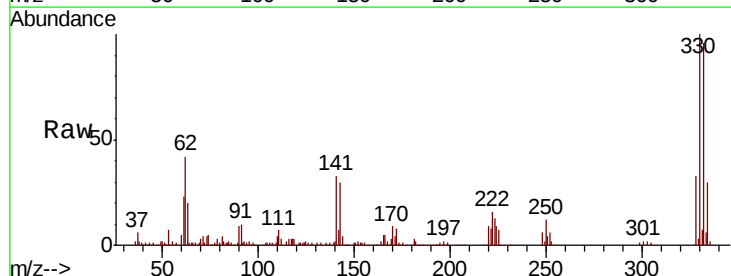
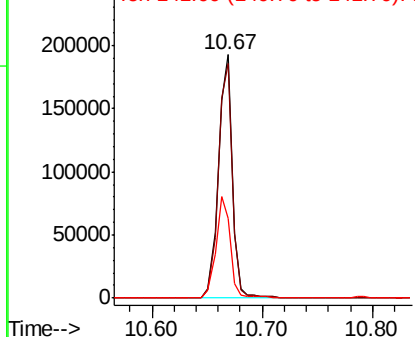


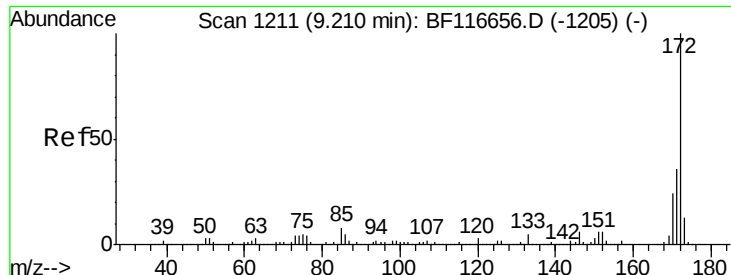
#42
2,4,6-Tribromophenol
Concen: 104.985 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion:330 Resp: 169657
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 43.2 31.4 47.2



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

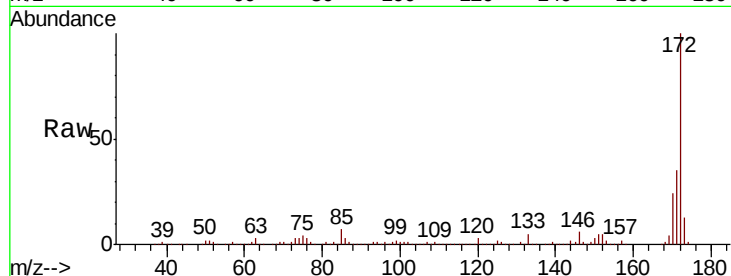




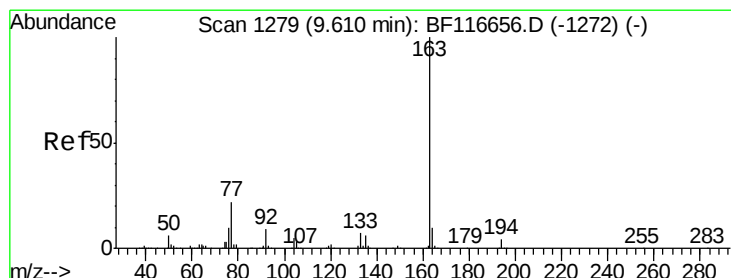
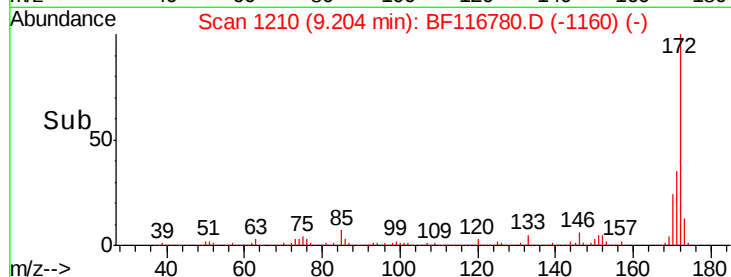
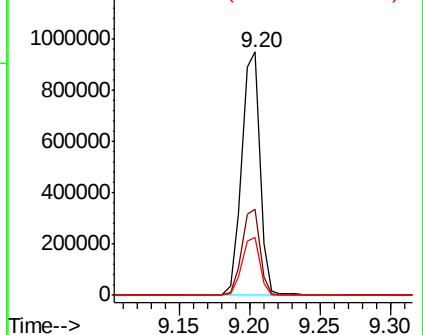
#45
 2-Fluorobiphenyl
 Concen: 60.005 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.7	18.9	28.3

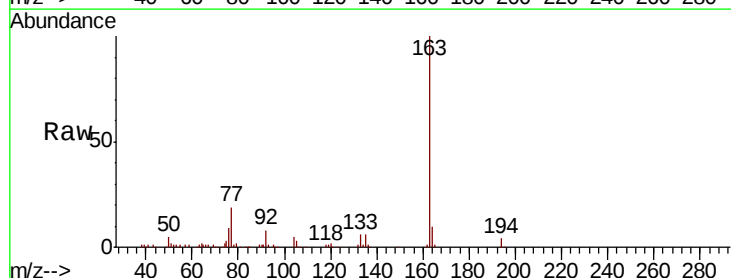


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

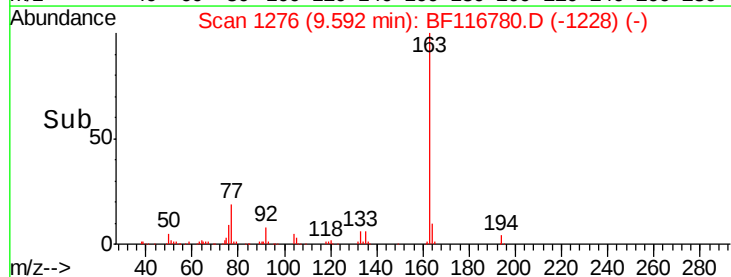
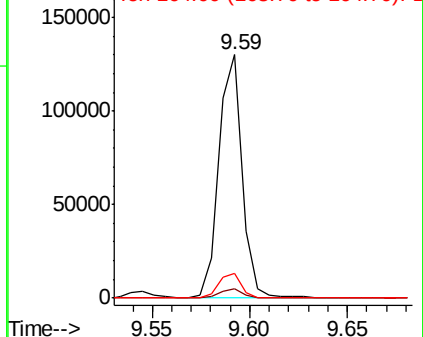


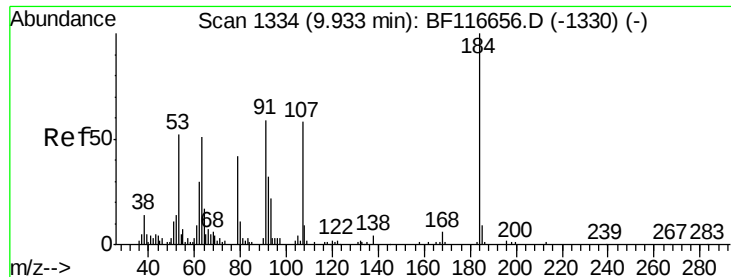
#50
 Dimethylphthalate
 Concen: 6.481 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.9	8.6	12.8



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

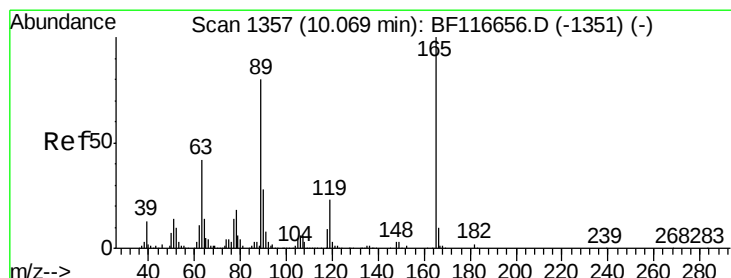
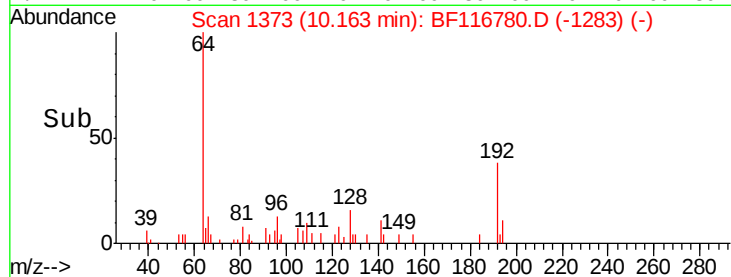
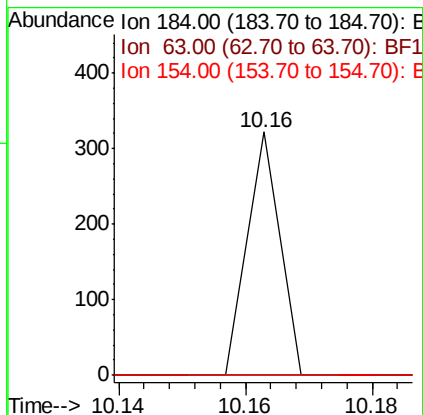
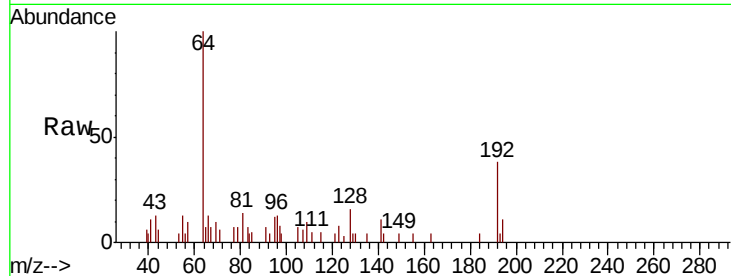




#54
 2,4-Dinitrophenol
 Concen: 9.130 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. 0.23 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

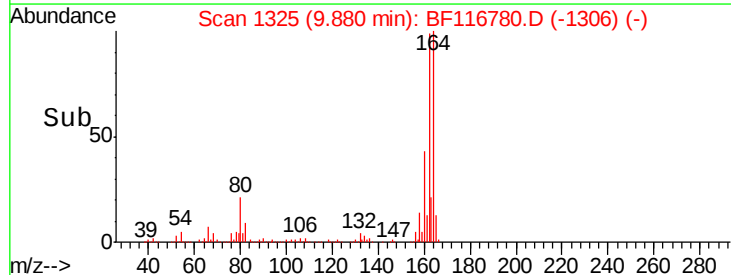
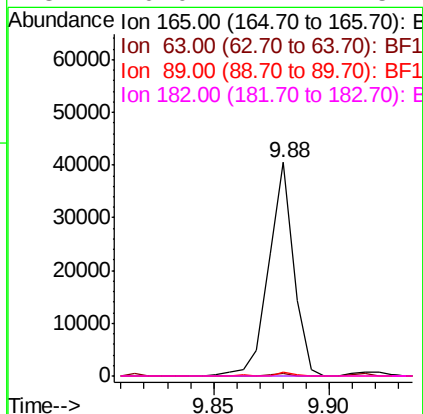
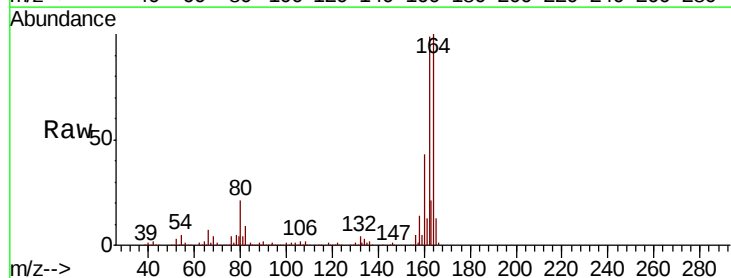
Instrument :
 BNA_F
 ClientSampleId :

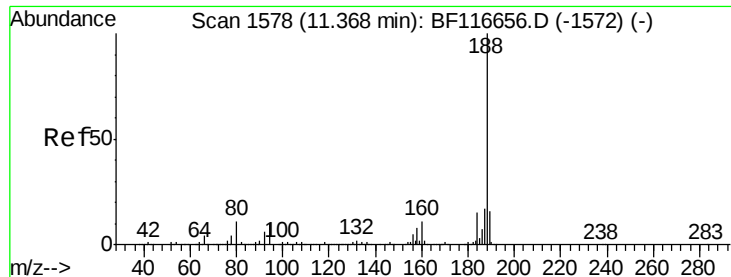
Tot Ion:184 Resp: 114
 Ion Ratio Lower Upper
 184 100
 63 0.0 52.2 78.2#
 154 0.0 60.8 91.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.846 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Tgt Ion:165 Resp: 30546
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.8 62.6 94.0#
 182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

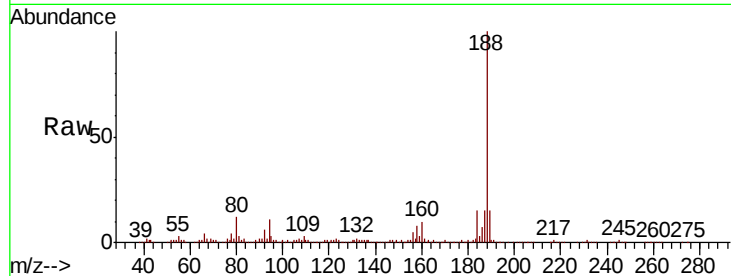
Tot Ion:188 Resp: 387807

Ion Ratio Lower Upper

188 100

94 11.3 7.3 10.9#

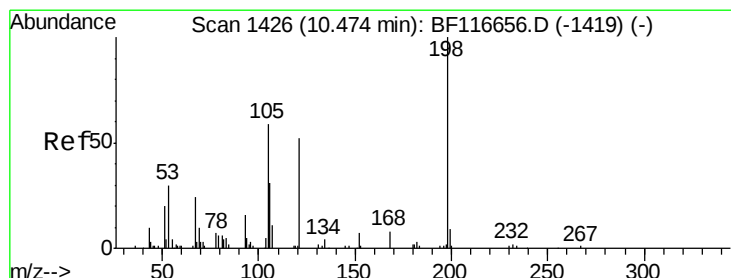
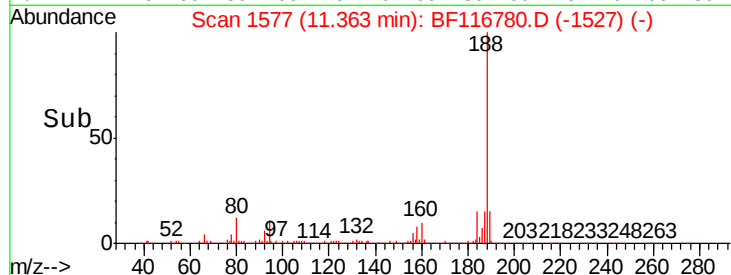
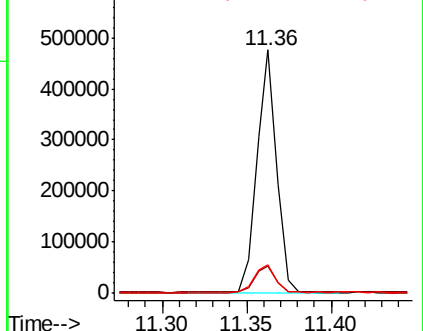
80 11.8 8.4 12.6



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: 7.632 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

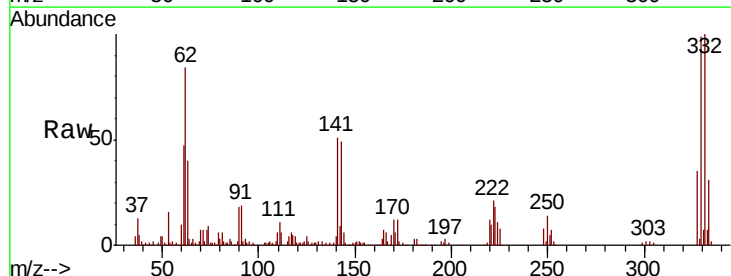
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 234.3 18.4 58.4#

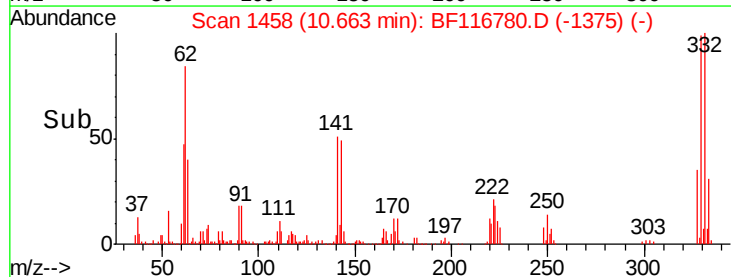
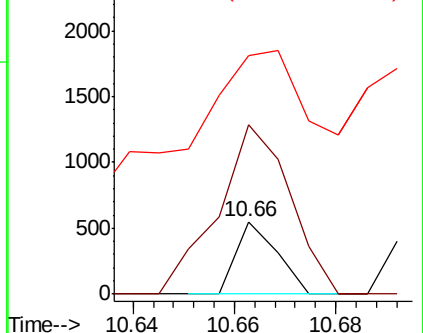
105 330.3 22.9 62.9#

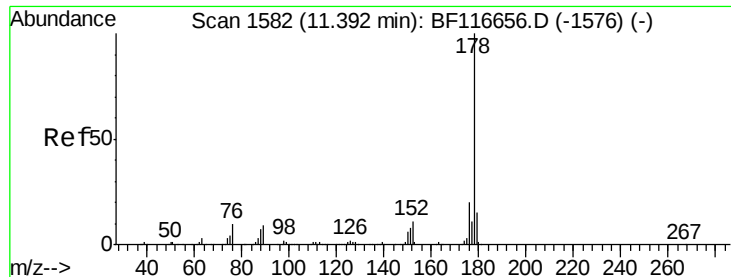


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.991 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

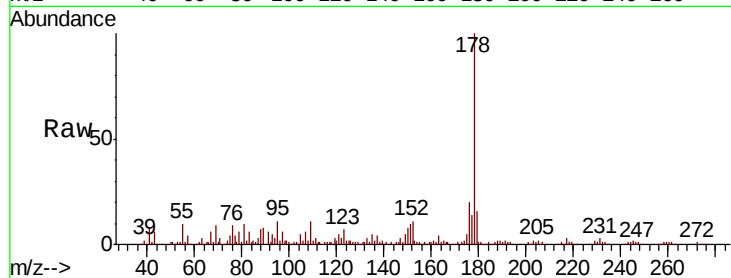
Tot Ion:178 Resp: 107746

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

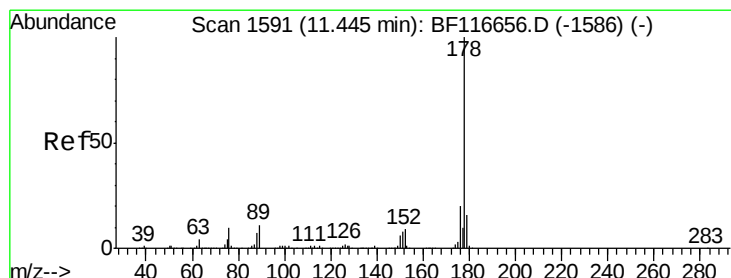
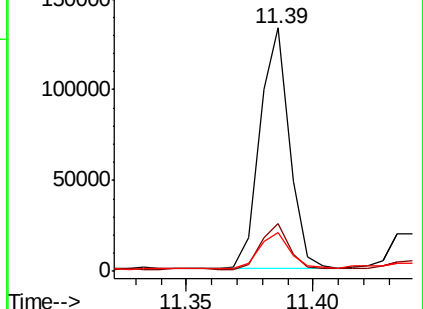
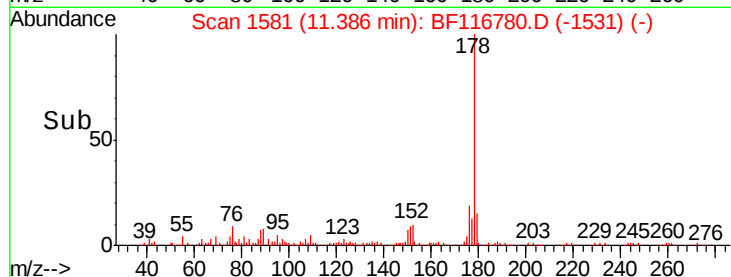
179 15.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.958 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

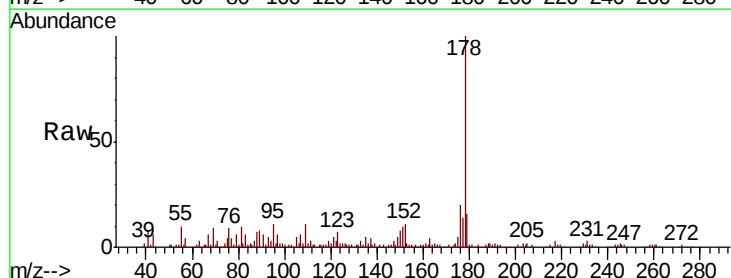
Tgt Ion:178 Resp: 107746

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

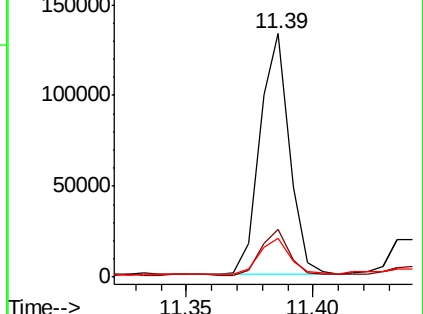
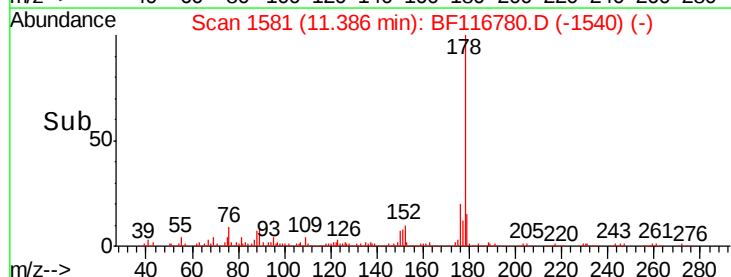
179 15.9 12.5 18.7

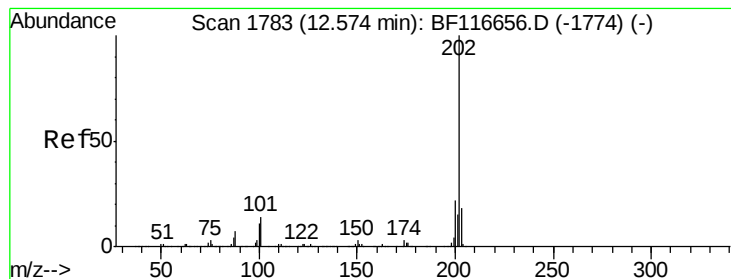


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.062 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116780.D

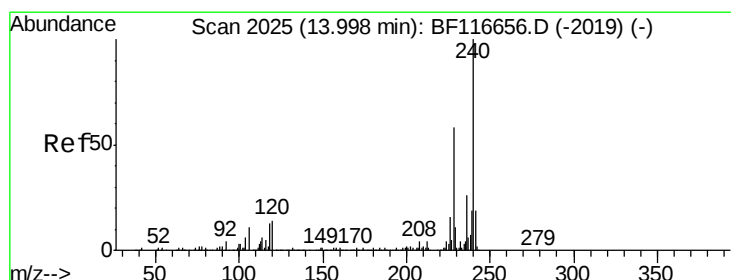
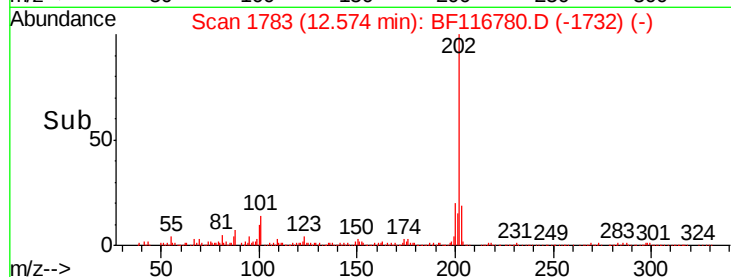
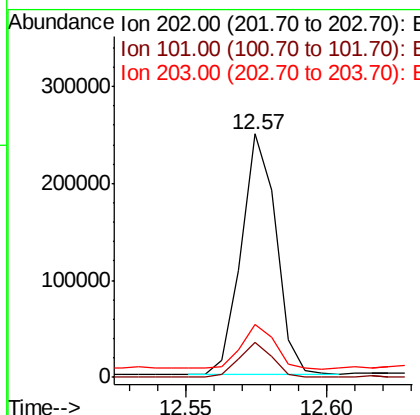
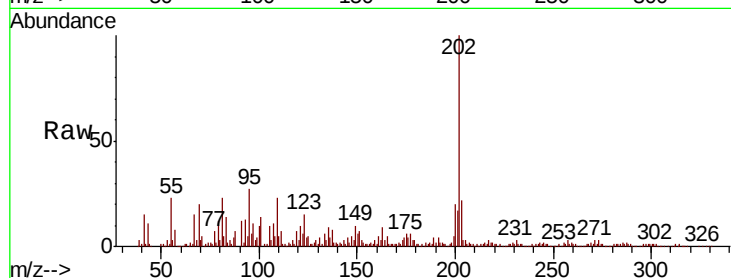
Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	213460
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	31.3
203	21.9	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

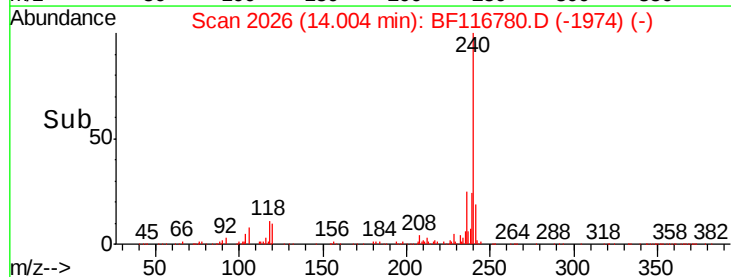
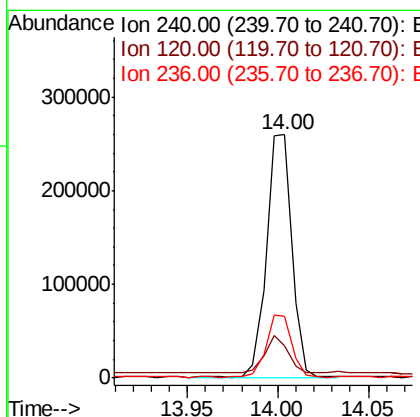
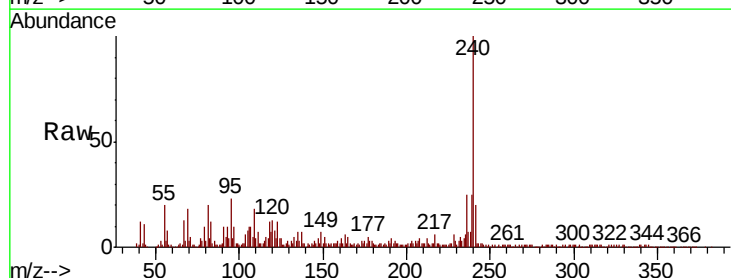
RT: 14.00 min Scan# 2026

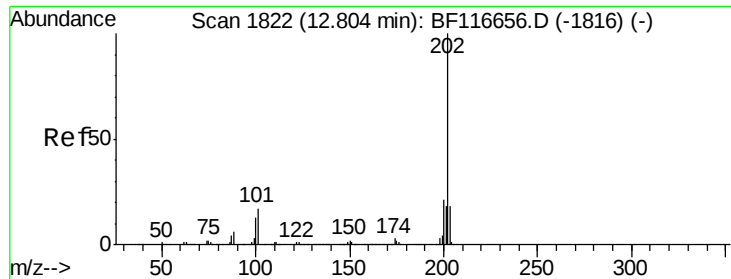
Delta R.T. 0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Tgt Ion:	240	Resp:	251791
Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.1	13.7
236	25.3	21.1	31.7

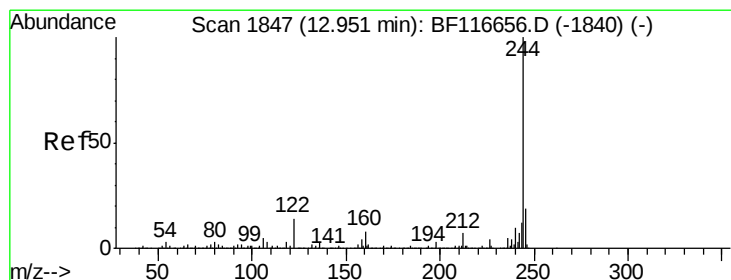
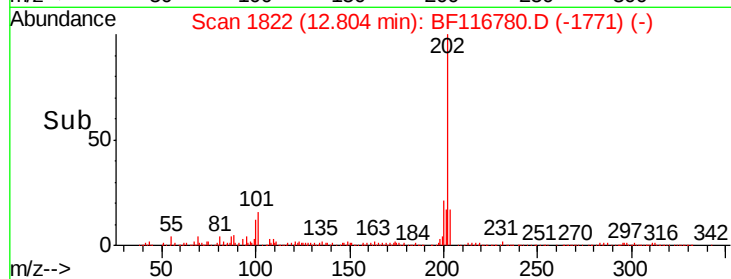
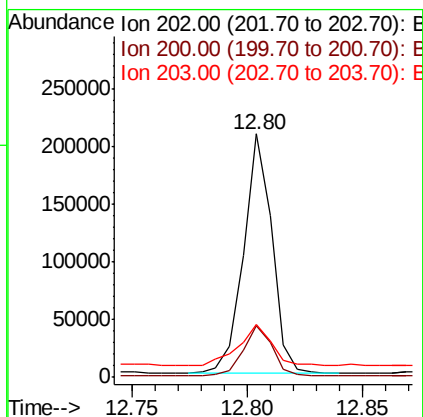
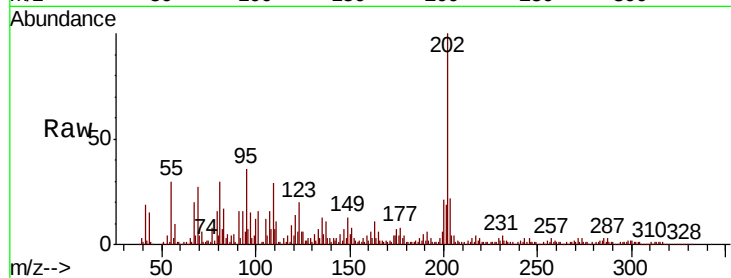




#78
Pvrene
Concen: 7.960 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

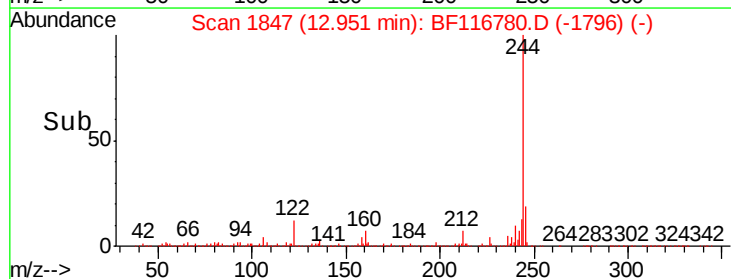
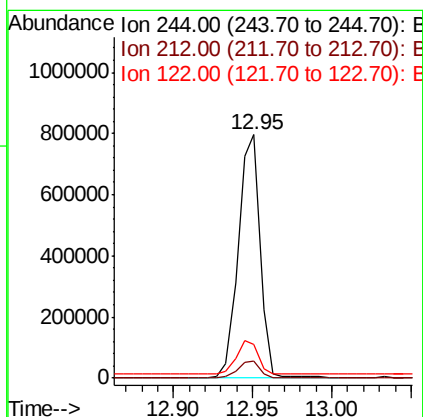
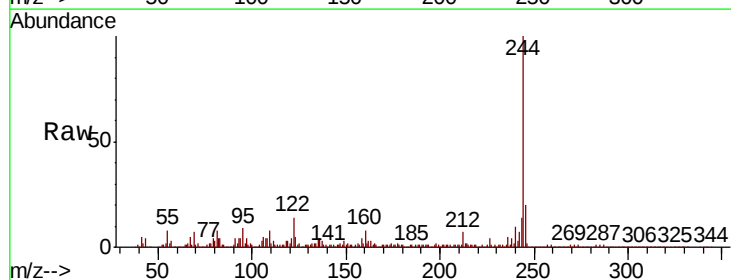
Instrument :
BNA_F
ClientSampled :

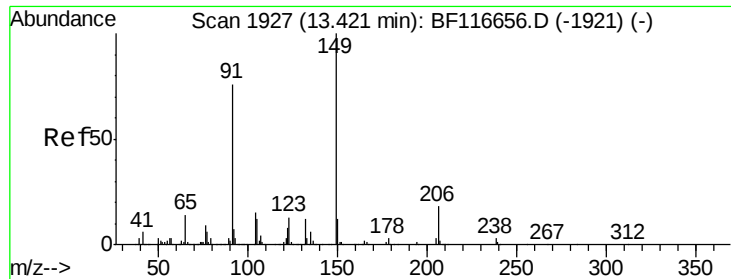
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	21.7	13.7	20.5



#79
Terphenyl-d14
Concen: 54.840 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	13.6	10.2	15.4

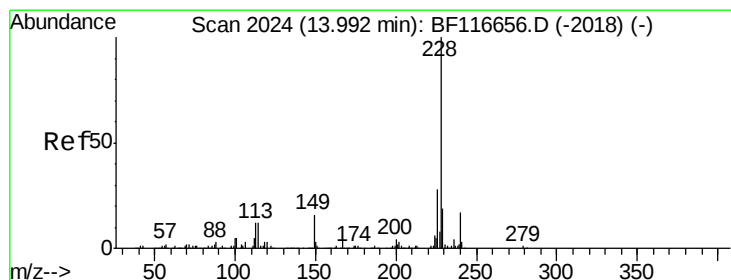
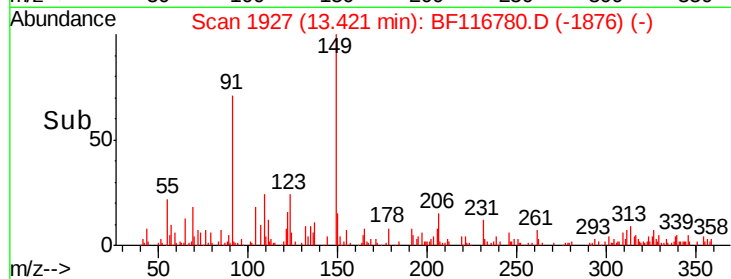
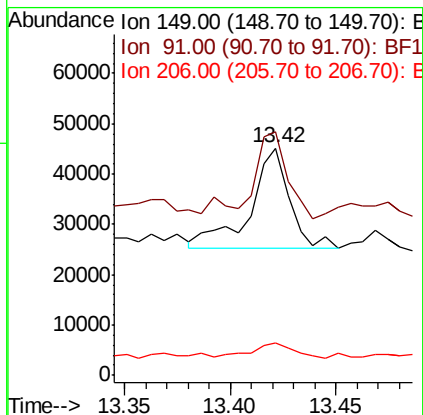
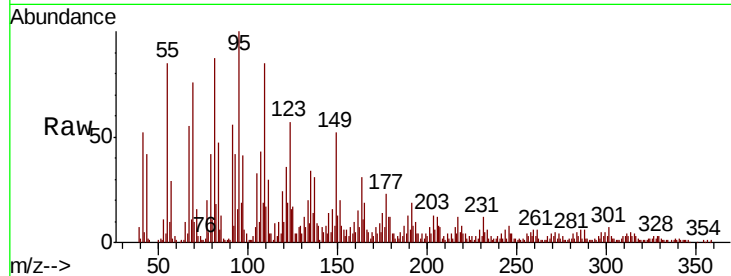




#80
Butylbenzylphthalate
Concen: 2.379 ng
RT: 13.42 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

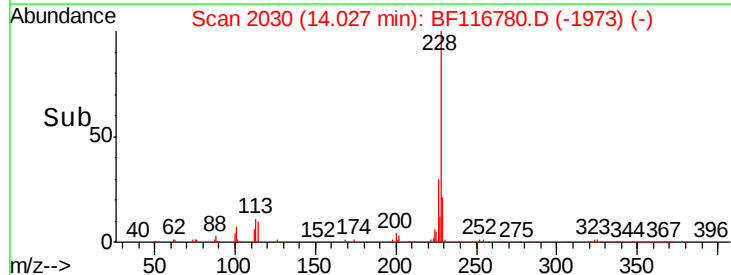
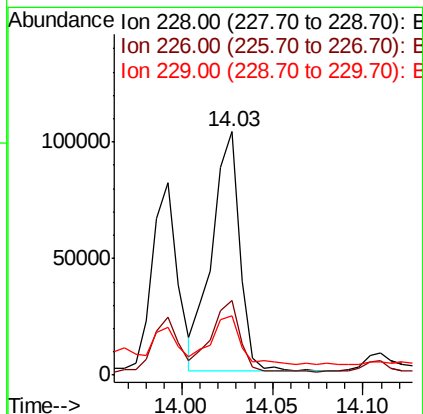
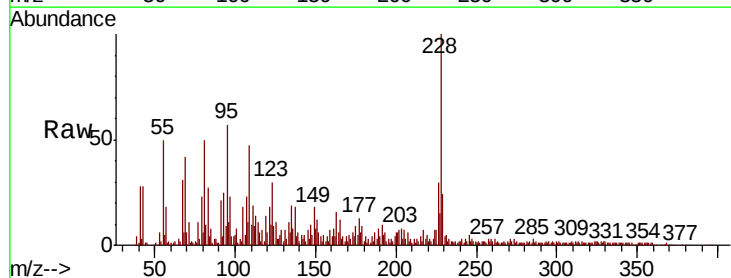
Instrument :
BNA_F
ClientSampleId :

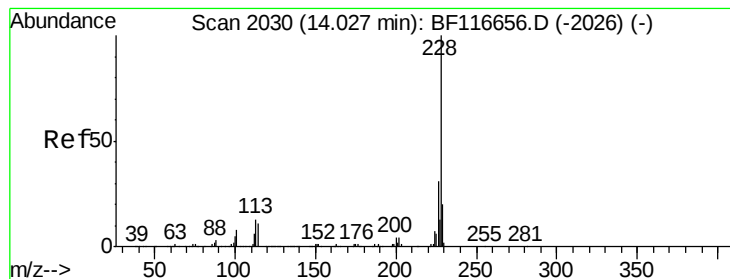
Tot Ion:149 Resp: 25890
Ion Ratio Lower Upper
149 100
91 107.2 61.0 91.4#
206 14.5 14.8 22.2#



#81
Benzo(a)anthracene
Concen: 6.868 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.04 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion:228 Resp: 109445
Ion Ratio Lower Upper
228 100
226 30.5 22.0 33.0
229 24.3 16.4 24.6





#83

Chrysene

Concen: 6.666 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

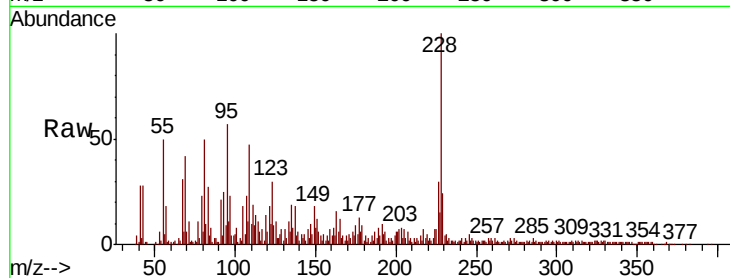
Tot Ion:228 Resp: 109445

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

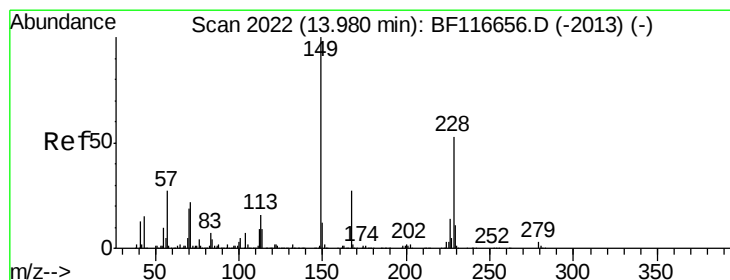
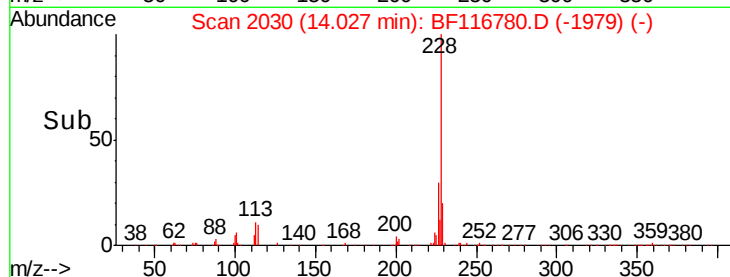
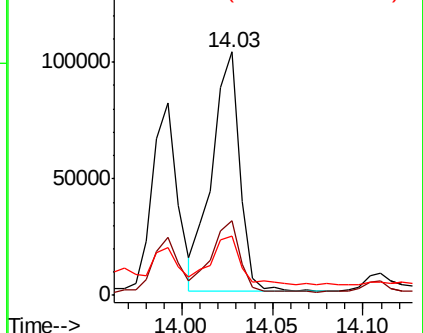
229 24.3 15.4 23.0#



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: 4.645 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

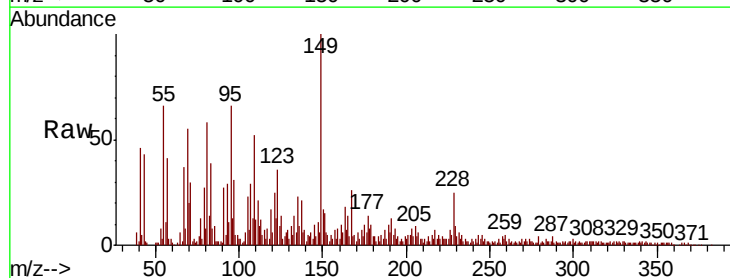
Tgt Ion:149 Resp: 62413

Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.4

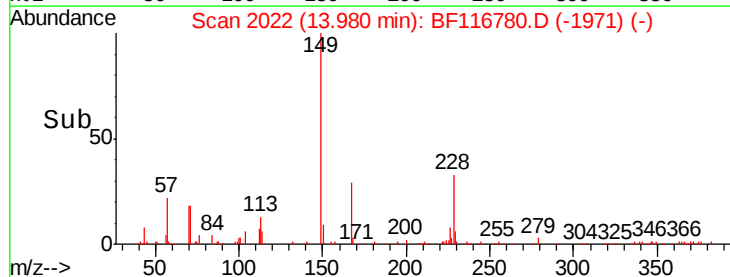
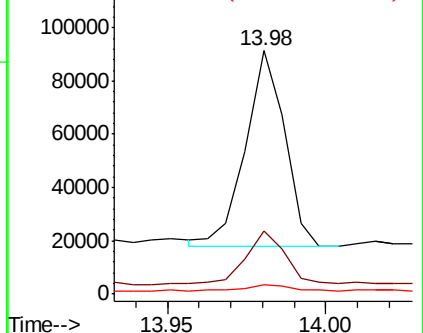
279 4.1 2.8 4.2

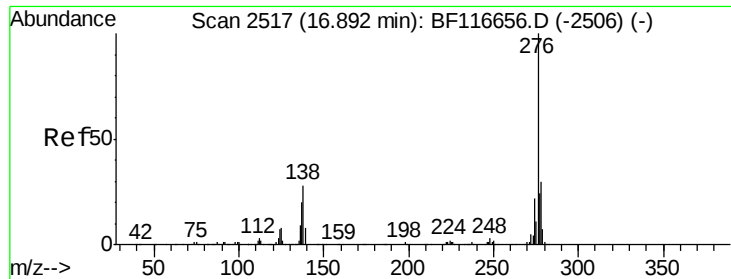


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

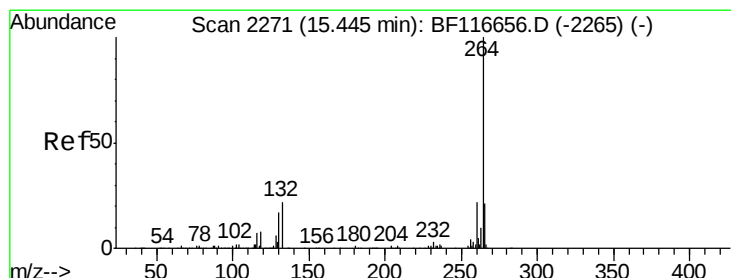
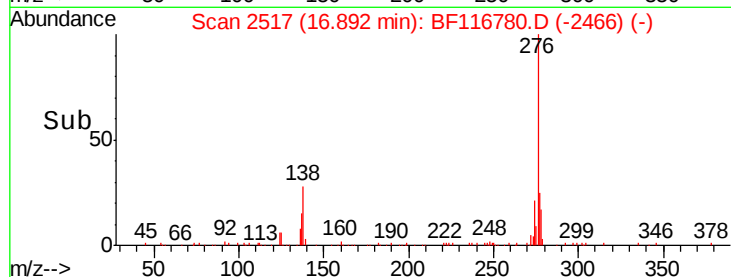
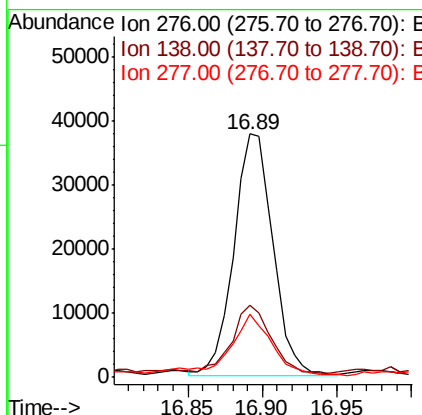
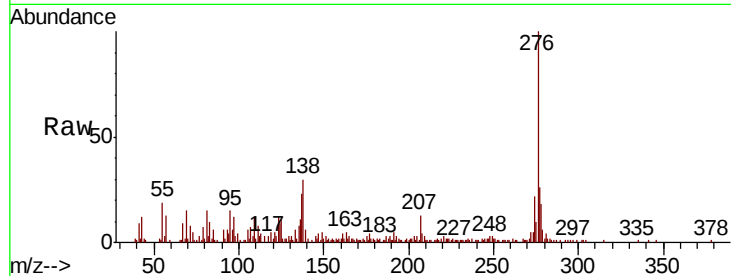




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.215 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.00 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

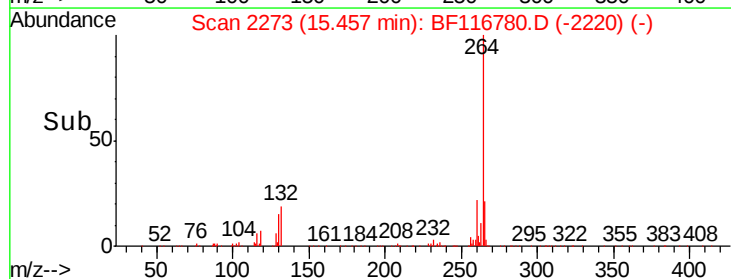
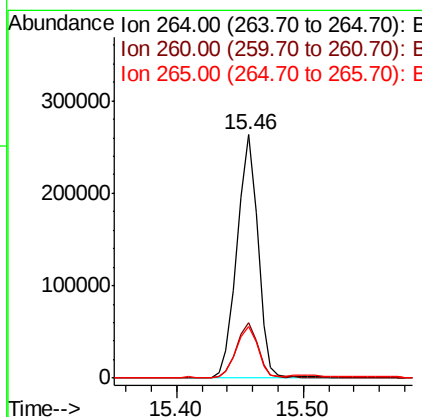
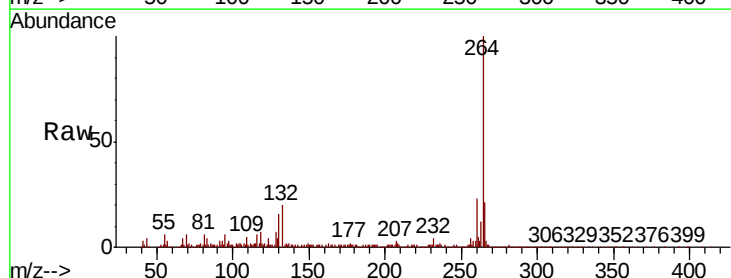
Instrument :
 BNA_F
 ClientSampleId :

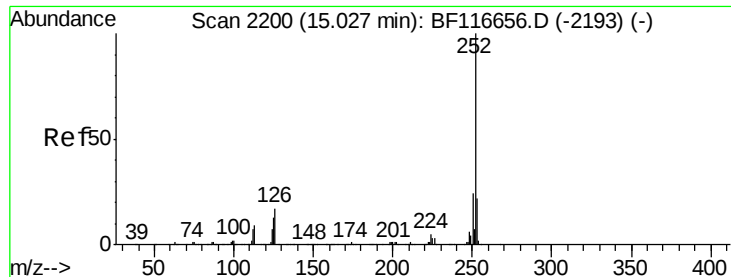
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	19.4	29.2
277	27.6	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.2	16.5	24.7

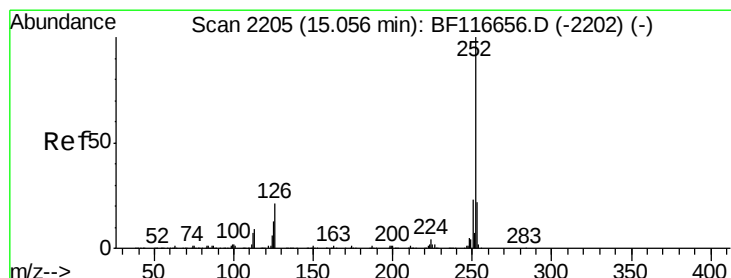
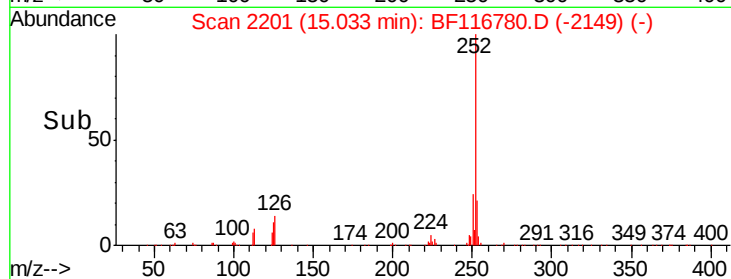
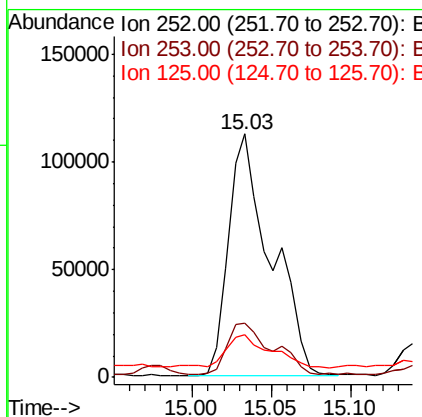
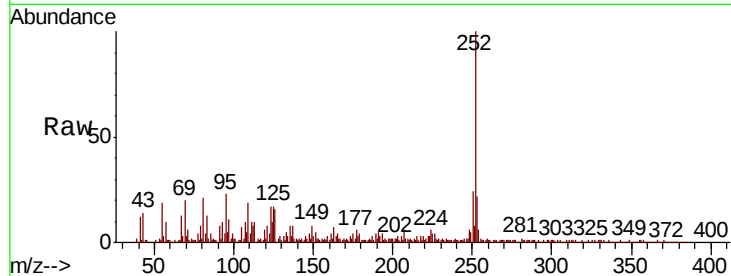




#88
Benzo(b)fluoranthene
Concen: 11.551 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

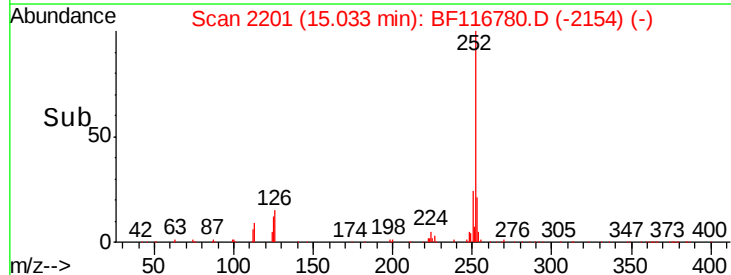
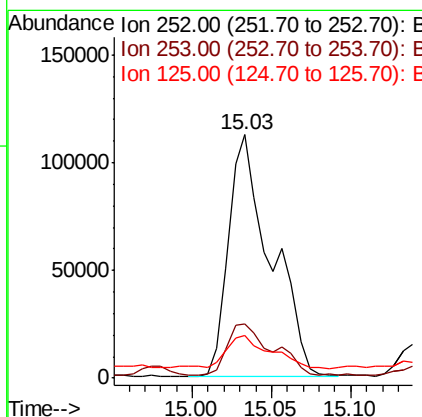
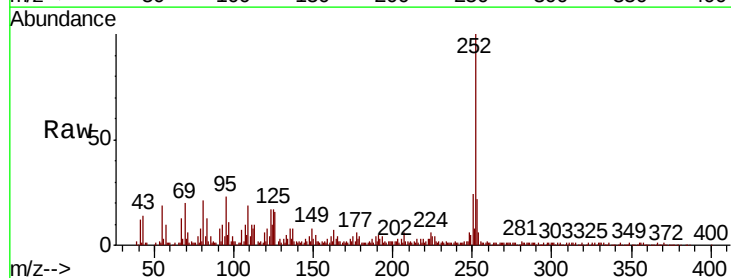
Instrument :
BNA_F
ClientSampleId :

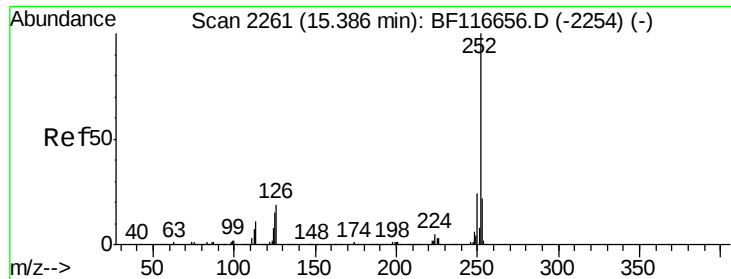
Tot Ion:252 Resp: 208054
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 17.3 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 12.669 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion:252 Resp: 208054
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 17.3 8.6 13.0#

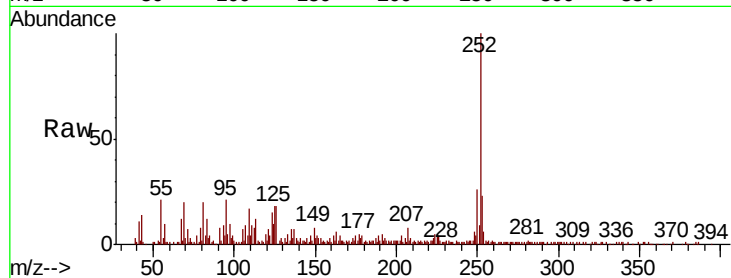




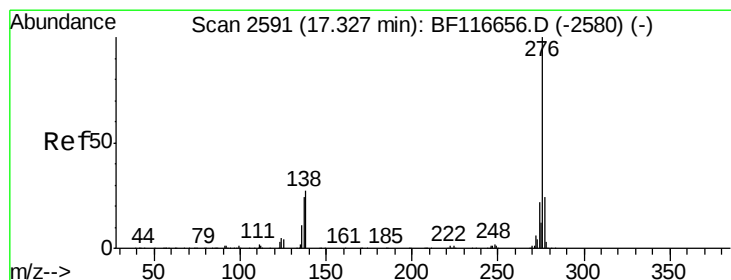
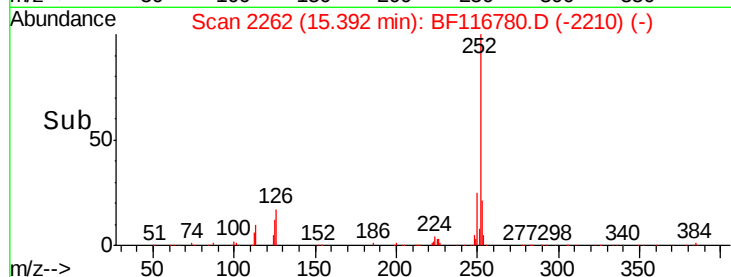
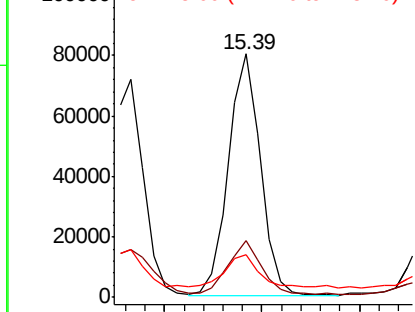
#90
Benzo(a)pyrene
Concen: 5.784 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 90632
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 17.6 9.8 14.8#

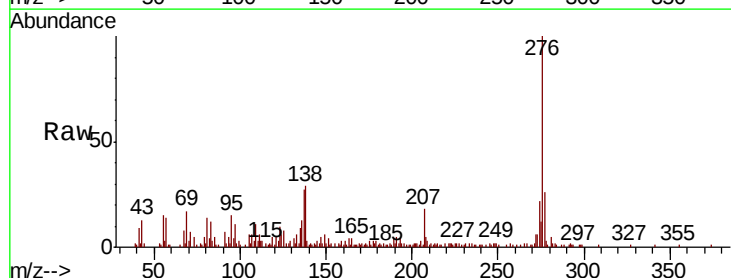


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.683 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion:276 Resp: 65514
Ion Ratio Lower Upper
276 100
277 26.2 18.5 27.7
138 29.1 16.2 24.2#



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

