

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112213.D
 Acq On : 24 Jan 2019 17:14
 Operator : JU/SJ
 Sample : K1223-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-M

Quant Time: Jan 25 00:03:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	229253	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	893067	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	362699	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	625410	20.00	ng	0.00
76) Chrysene-d12	14.02	240	476903	20.00	ng	0.00
87) Perylene-d12	15.50	264	352245	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	619068	49.01	ng	0.00
7) Phenol-d6	6.50	99	777852	49.22	ng	0.00
23) Nitrobenzene-d5	7.41	82	502054	38.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	190663	48.73	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	843192	34.08	ng	0.00
79) Terphenyl-d14	12.96	244	602186	26.86	ng	0.00

Target Compounds

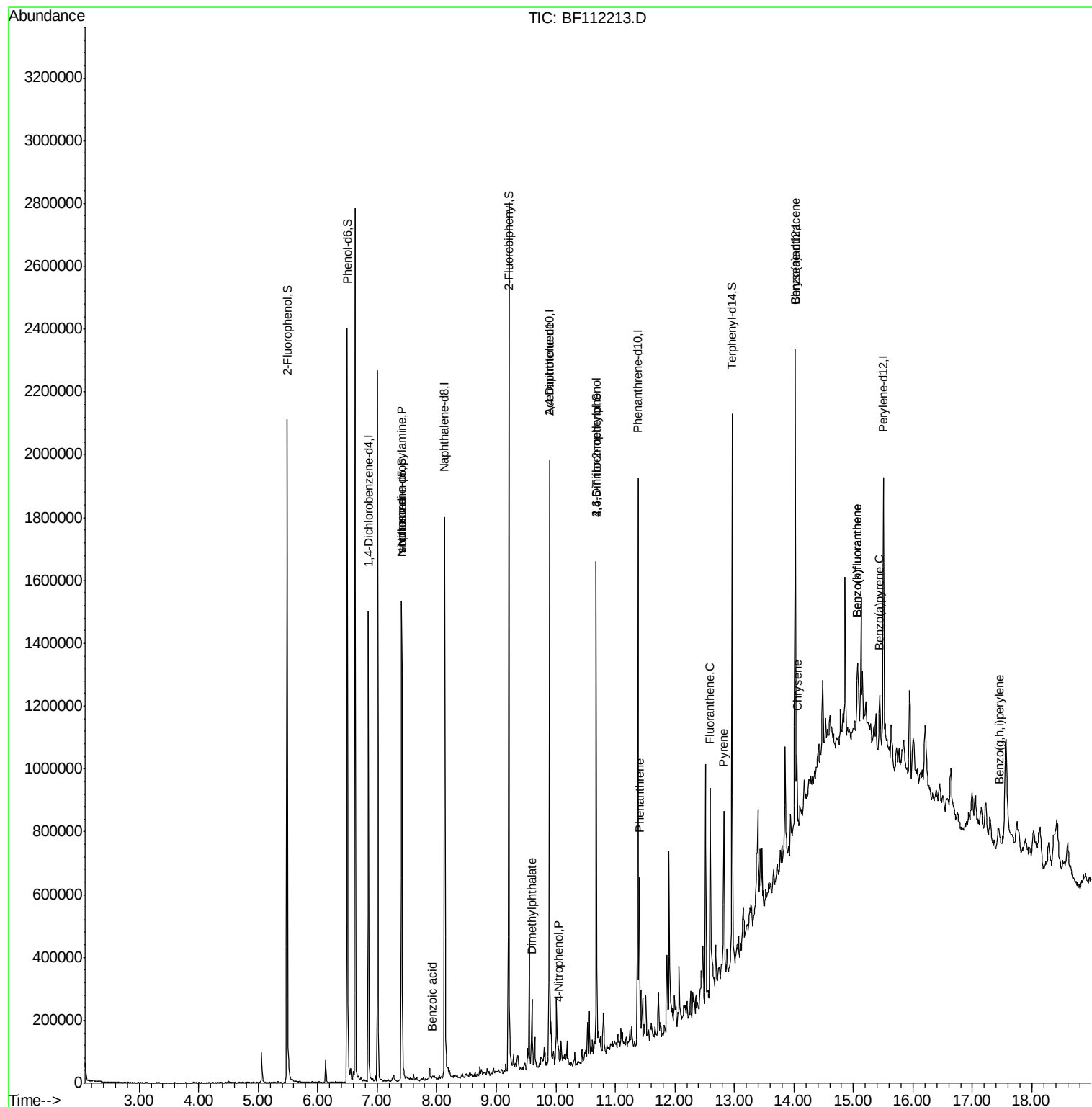
						Qvalue
9) Benzaldehyde	6.40	77	650	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.41	70	67557	7.017 ng	#	77
25) Isophorone	7.41	82	501890	20.102 ng	#	64
32) Benzoic acid	7.92	122	1207	7.418 ng	#	32
50) Dimethylphthalate	9.60	163	63903	2.416 ng		97
56) 4-Nitrophenol	10.05	139	703	5.810 ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	49503	11.185 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.68	198	341	10.173 ng	#	1
71) Phenanthrene	11.40	178	170551	5.419 ng		98
75) Fluoranthene	12.59	202	244088	7.345 ng		97
78) Pyrene	12.82	202	215979	6.864 ng		98
81) Benzo(a)anthracene	14.02	228	104463	3.820 ng		95
83) Chrysene	14.05	228	102475	3.961 ng		97
88) Benzo(b)fluoranthene	15.07	252	135728	6.788 ng	#	84
89) Benzo(k)fluoranthene	15.07	252	135728	7.013 ng	#	85
90) Benzo(a)pyrene	15.44	252	65793	3.588 ng	#	81
92) Benzo(g,h,i)perylene	17.44	276	35927	2.239 ng	#	87

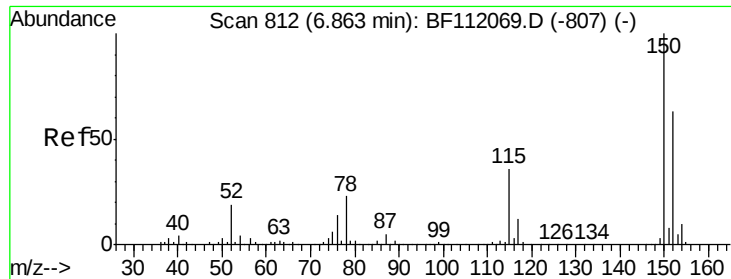
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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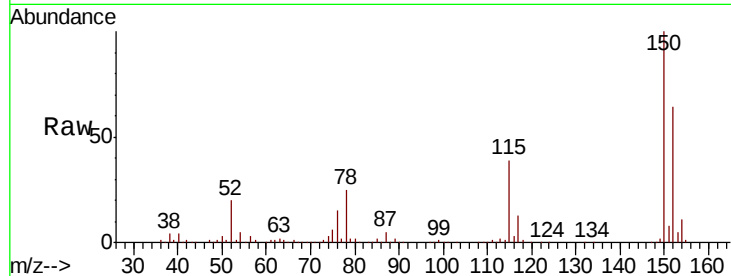




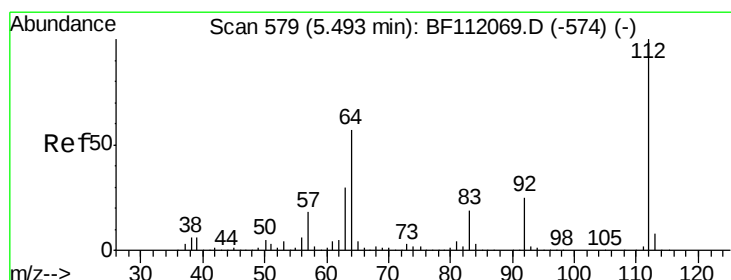
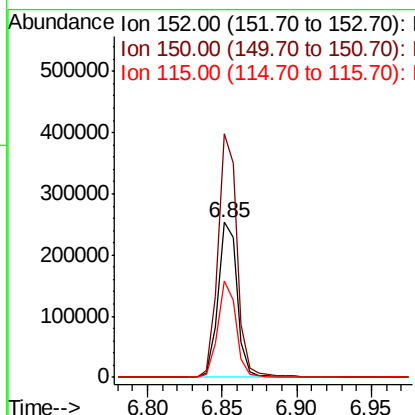
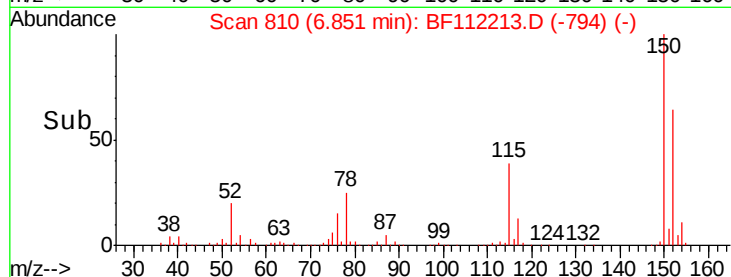
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

Instrument :
 BNA_F
 ClientSampleId :
 TS-M

Tgt Ion:152 Resp: 229253
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.4 191.0
 115 61.9 45.5 68.3

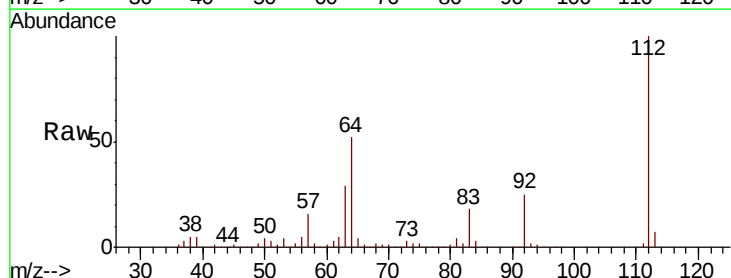


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

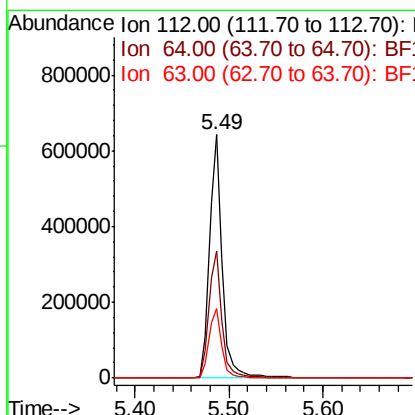
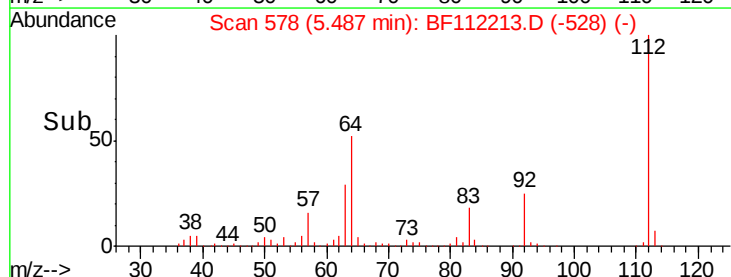


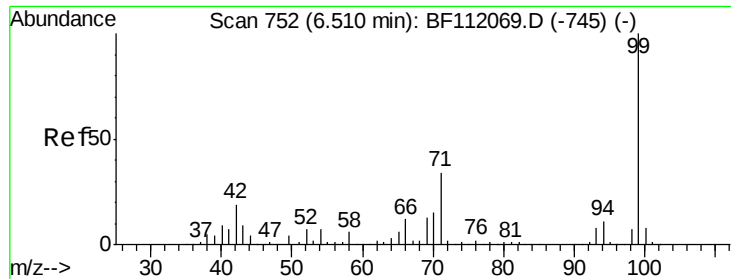
#5
 2-Fluorophenol
 Concen: 49.013 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

Tgt Ion:112 Resp: 619068
 Ion Ratio Lower Upper
 112 100
 64 52.0 45.7 68.5
 63 28.5 23.6 35.4



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: 49.222 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

Instrument :

BNA_F

ClientSampleId :

TS-M

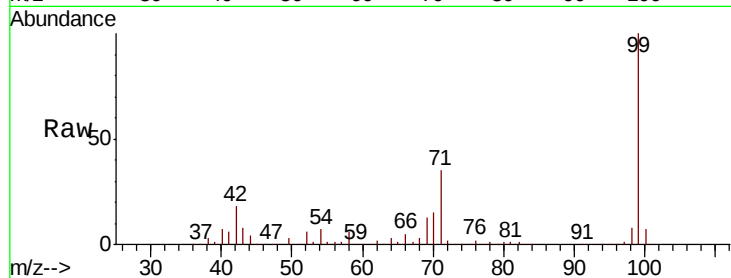
Tgt Ion: 99 Resp: 777852

Ion Ratio Lower Upper

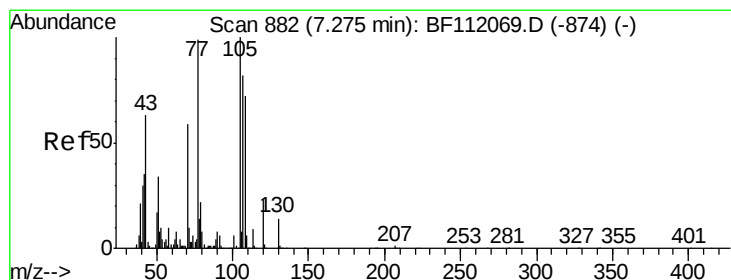
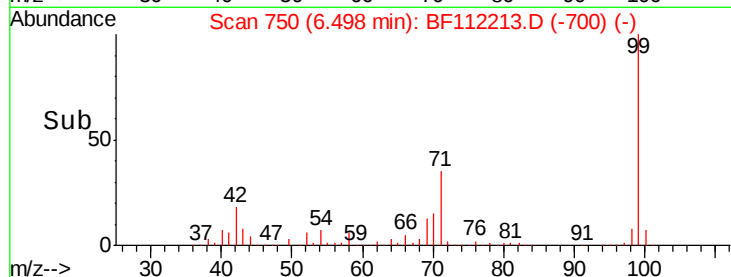
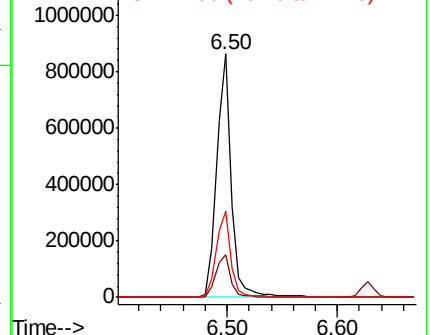
99 100

42 17.7 15.1 22.7

71 35.4 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: 7.017 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

Tgt Ion: 70 Resp: 67557

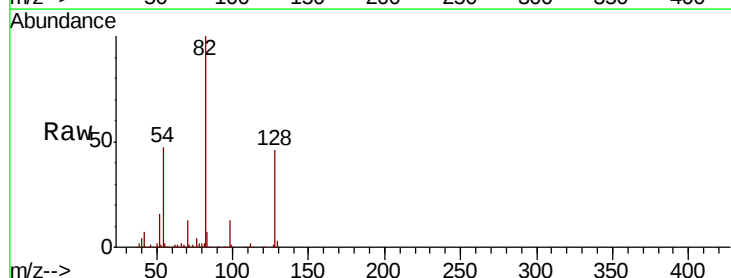
Ion Ratio Lower Upper

70 100

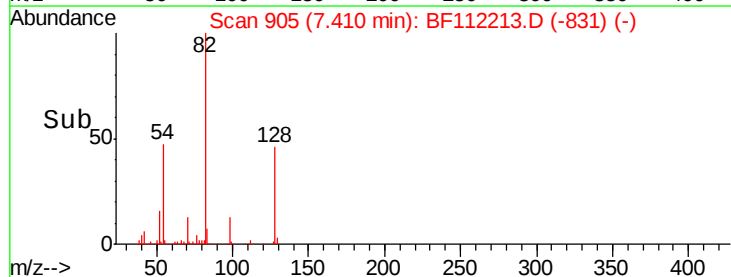
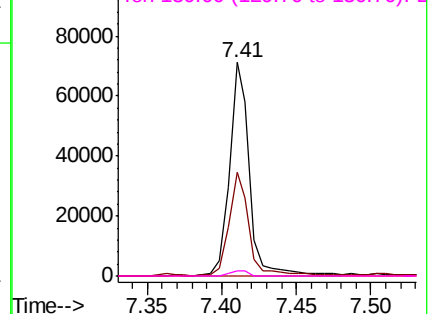
42 48.4 47.6 71.4

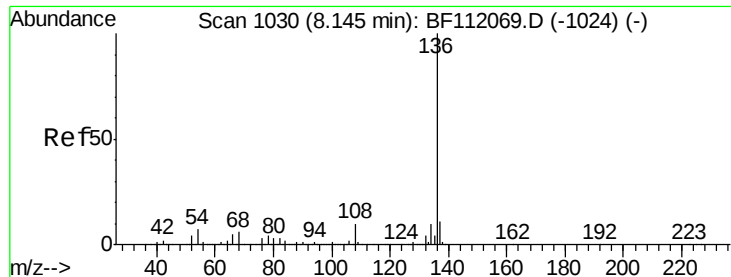
101 0.0 7.9 11.9#

130 2.5 18.4 27.6#



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

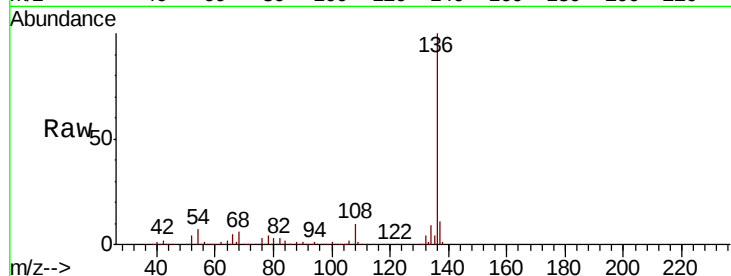




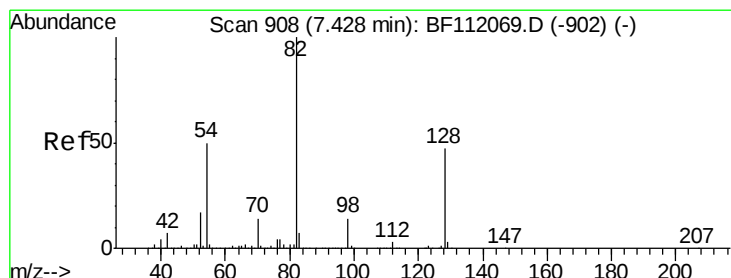
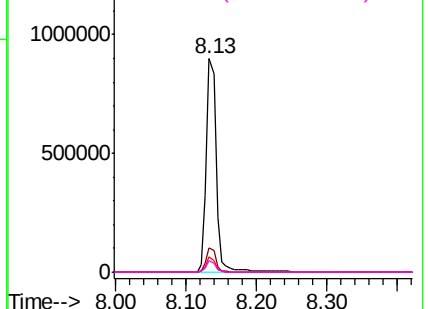
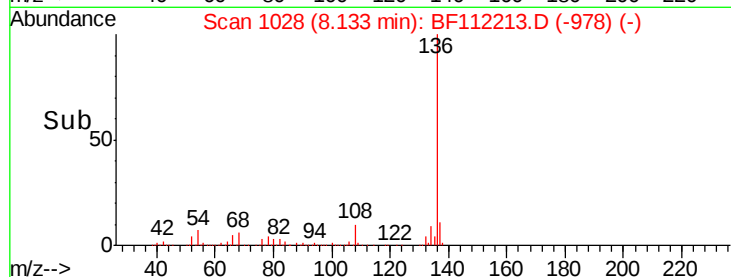
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Instrument :
BNA_F
ClientSampled :
TS-M

Tgt Ion:	136	Resp:	893067
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.9	5.9	8.9
68	5.5	5.1	7.7

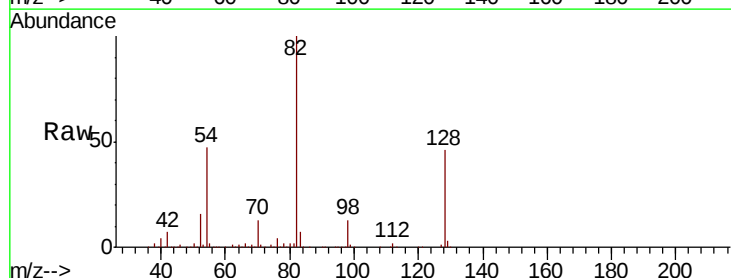


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

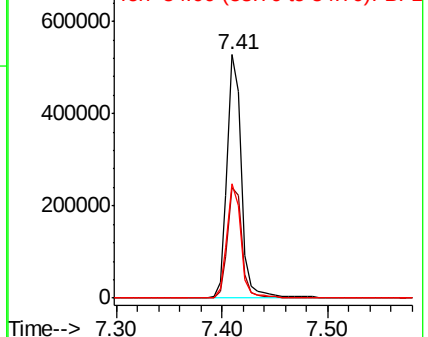
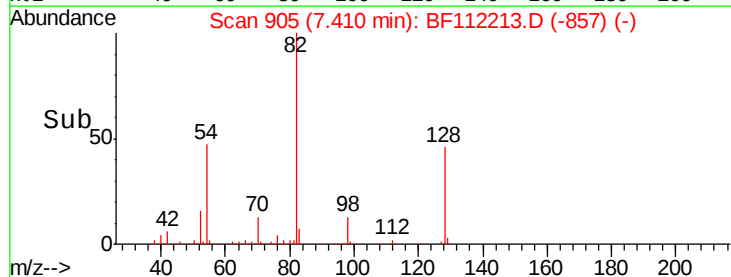


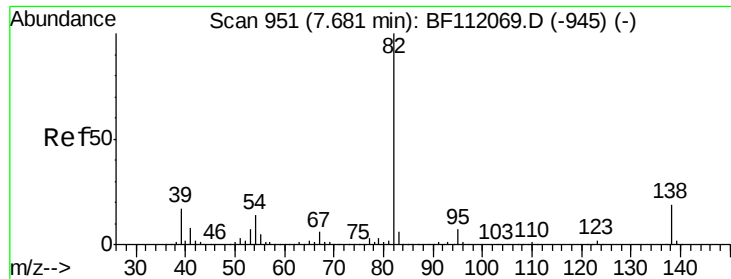
#23
Nitrobenzene-d5
Concen: 38.840 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion:	82	Resp:	502054
Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.8	56.8
54	47.0	39.7	59.5



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: 20.102 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

Instrument :

BNA_F

ClientSampleId :

TS-M

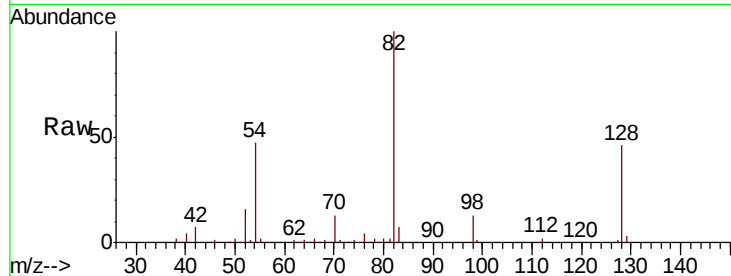
Tgt Ion: 82 Resp: 501890

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

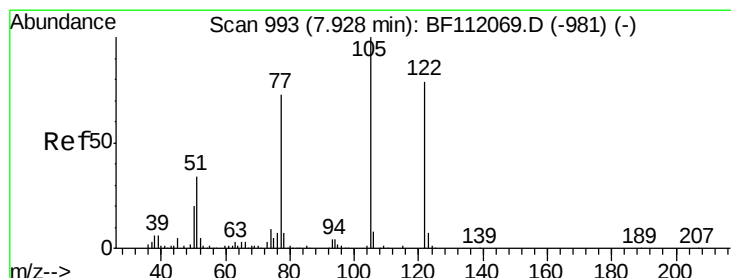
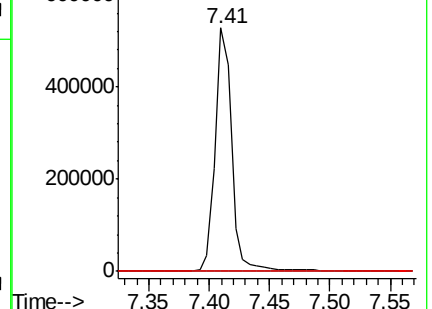
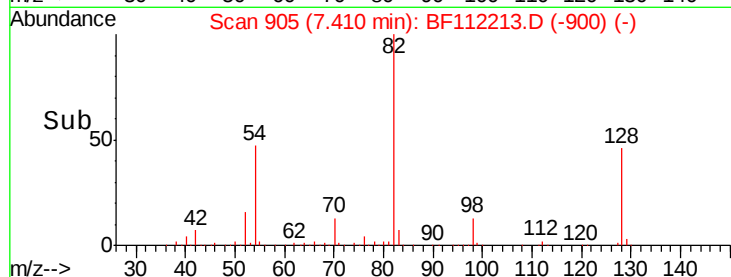
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.418 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

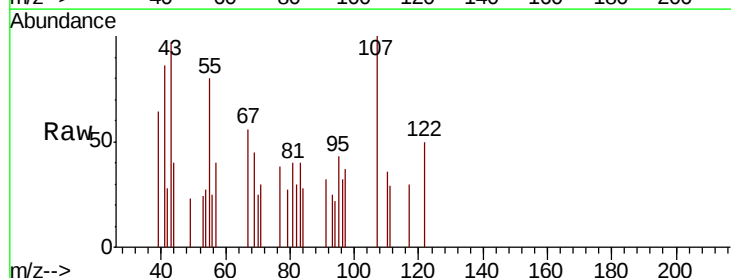
Tgt Ion: 122 Resp: 1207

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

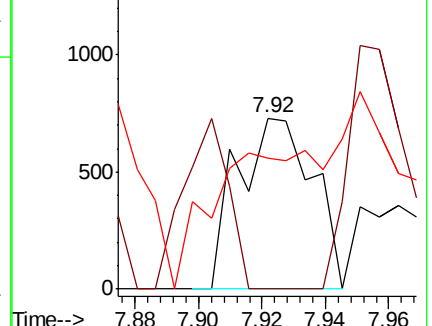
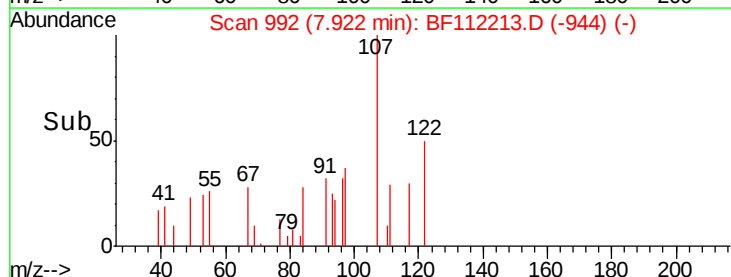
77 76.6 70.4 110.4

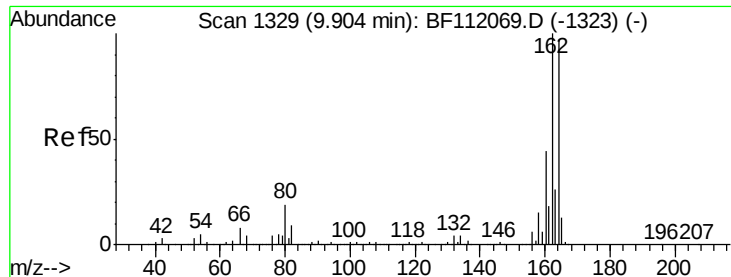


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

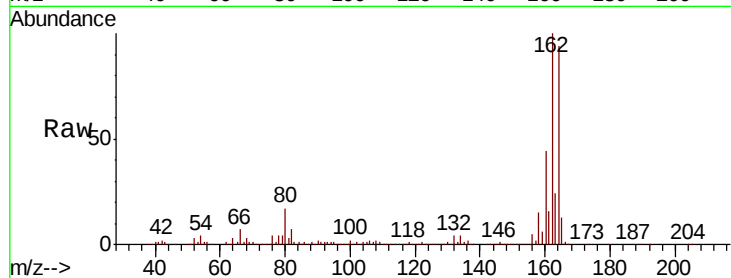




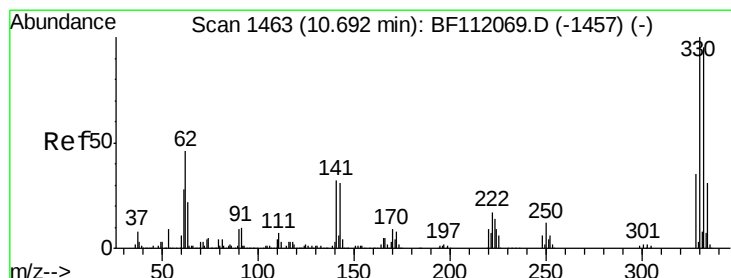
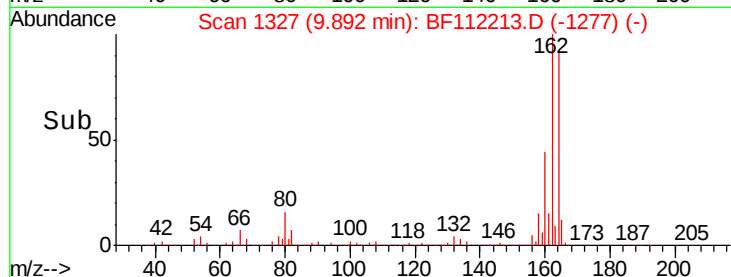
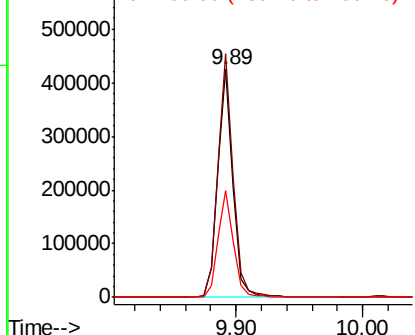
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

Instrument :
 BNA_F
 ClientSampleId :
 TS-M

Tgt Ion:164 Resp: 362699
 Ion Ratio Lower Upper
 164 100
 162 106.9 82.2 123.4
 160 46.7 36.2 54.4

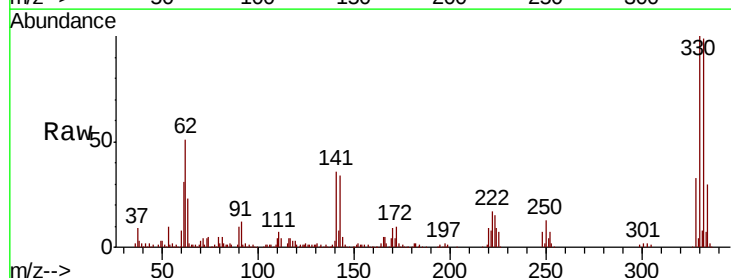


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

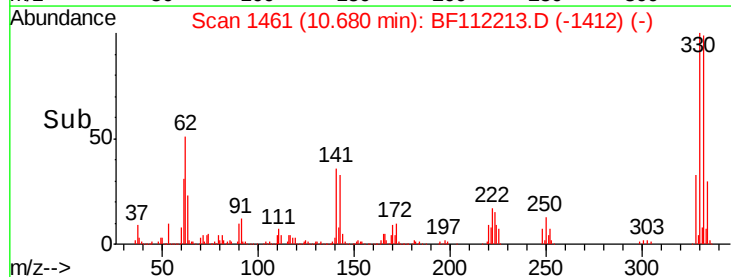
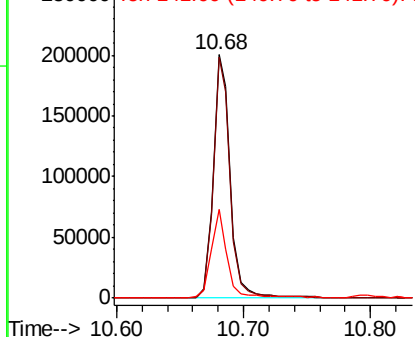


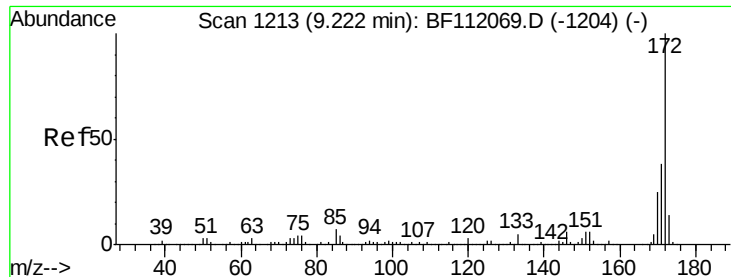
#42
 2,4,6-Tribromophenol
 Concen: 48.729 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

Tgt Ion:330 Resp: 190663
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 33.2 24.3 36.5



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

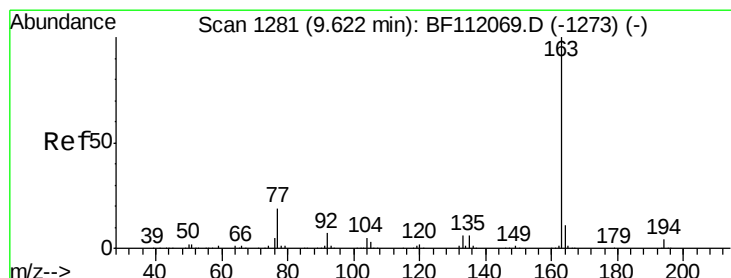
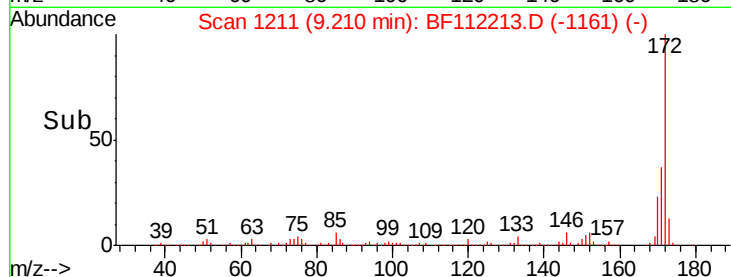
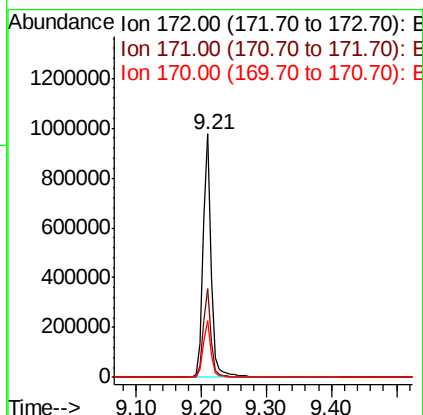
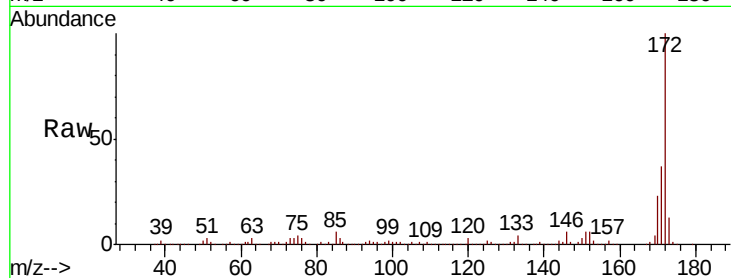




#45
 2-Fluorobiphenyl
 Concen: 34.084 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

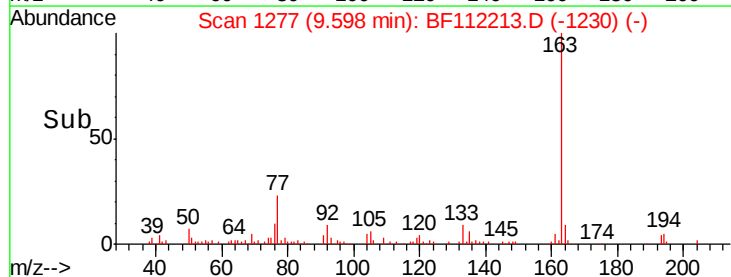
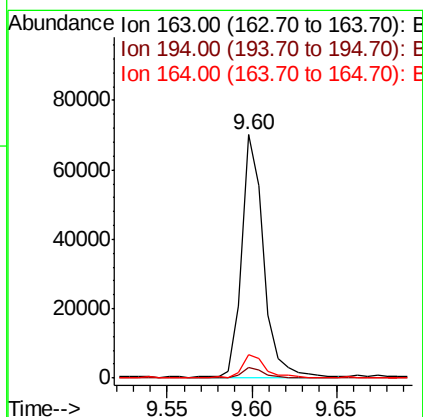
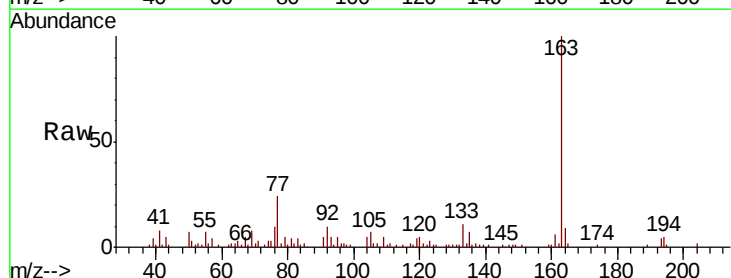
Instrument :
 BNA_F
 ClientSampleId :
 TS-M

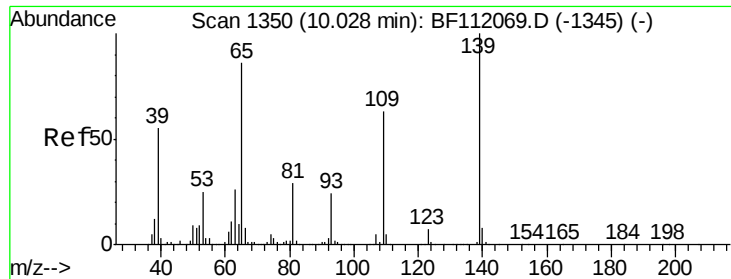
Tgt Ion:172 Resp: 843192
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.5 45.7
 170 23.3 20.2 30.4



#50
 Dimethylphthalate
 Concen: 2.416 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BF112213.D
 Acq: 24 Jan 2019 17:14

Tgt Ion:163 Resp: 63903
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.3 4.9
 164 9.5 8.5 12.7

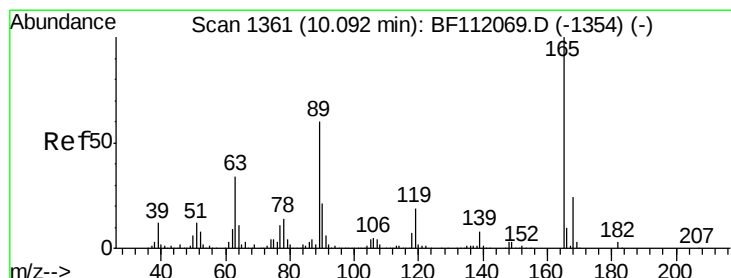
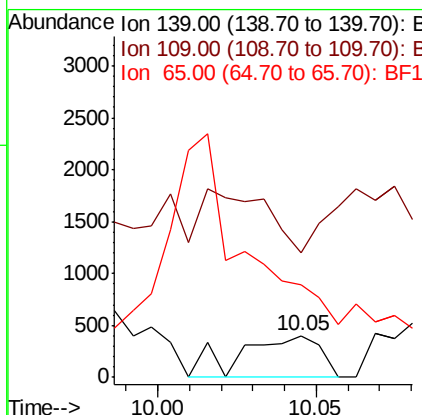
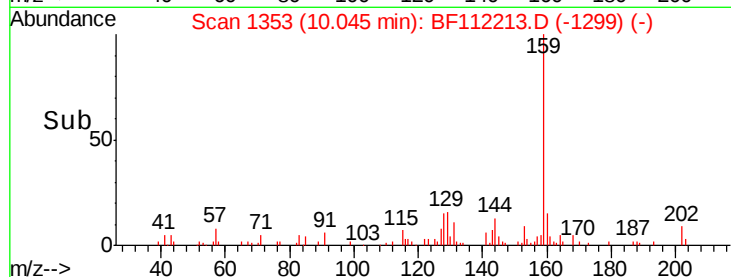
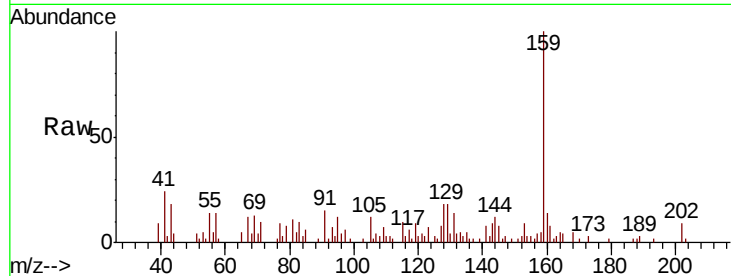




#56
4-Nitrophenol
Concen: 5.810 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

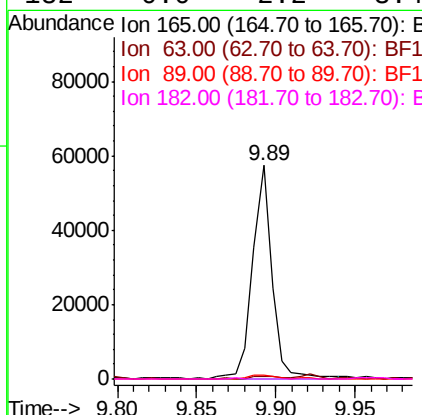
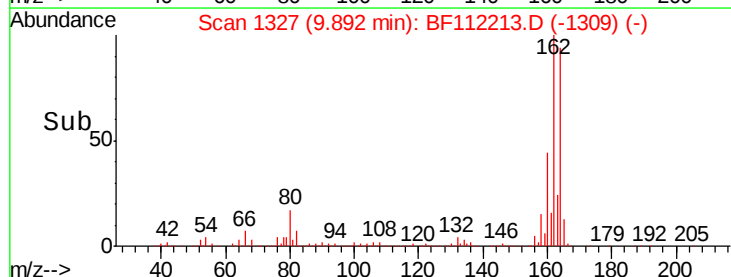
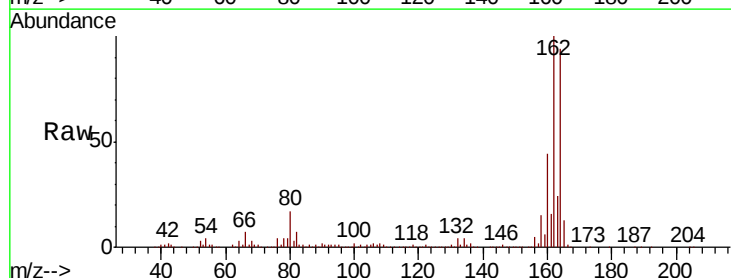
Instrument :
BNA_F
ClientSampleId :
TS-M

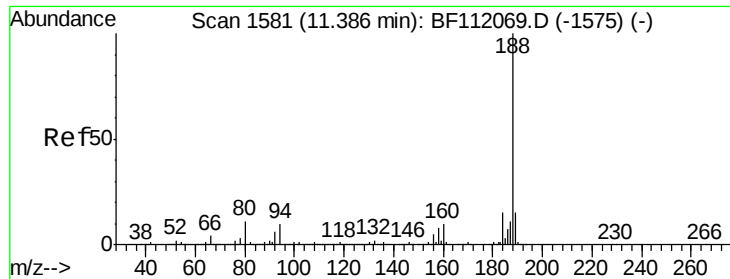
Tgt Ion:139 Resp: 703
Ion Ratio Lower Upper
139 100
109 301.3 42.8 82.8#
65 222.3 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 11.185 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion:165 Resp: 49503
Ion Ratio Lower Upper
165 100
63 1.5 27.9 41.9#
89 1.8 47.9 71.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

Instrument :

BNA_F

ClientSampleId :

TS-M

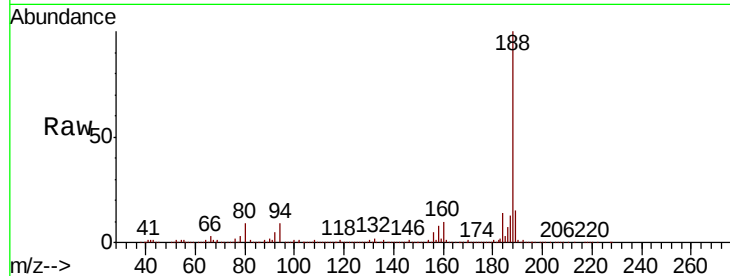
Tgt Ion:188 Resp: 625410

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.2

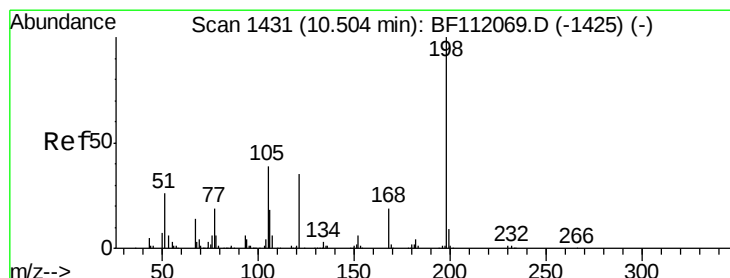
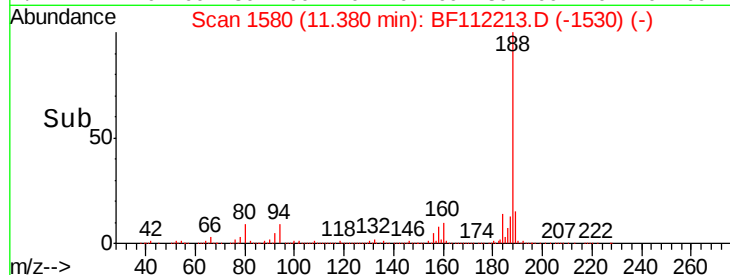
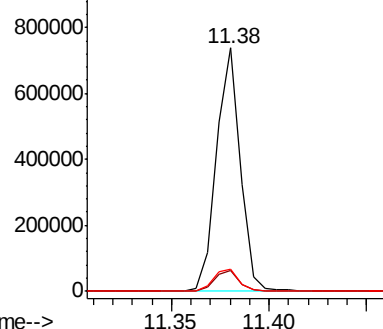
80 9.3 8.9 13.3



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: 10.173 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

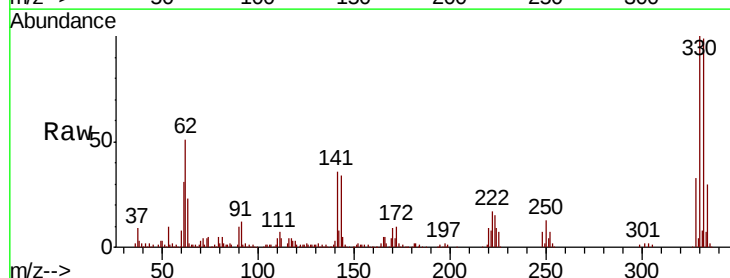
Tgt Ion:198 Resp: 341

Ion Ratio Lower Upper

198 100

51 189.2 17.2 57.2#

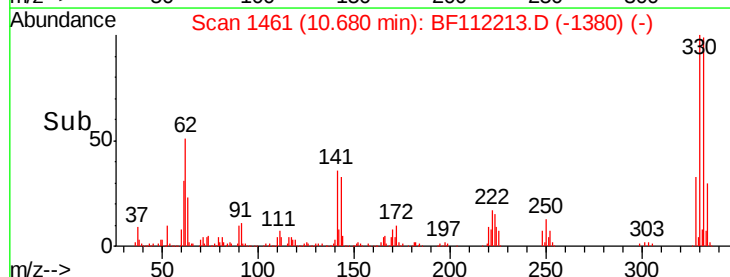
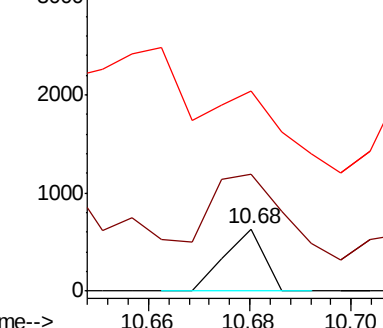
105 323.7 21.9 61.9#

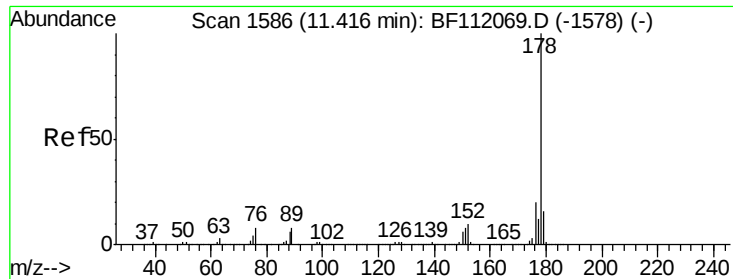


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

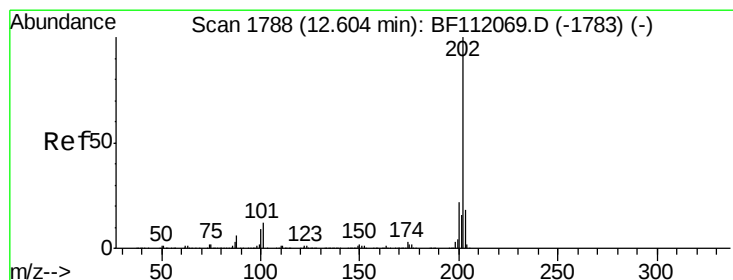
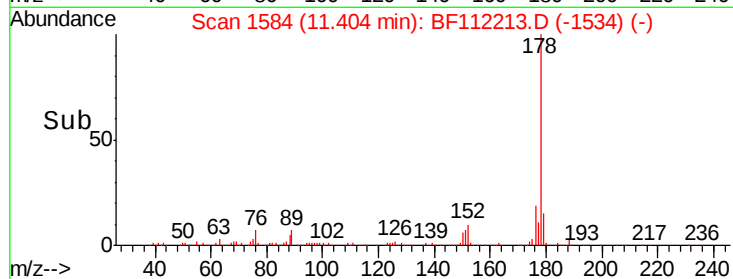
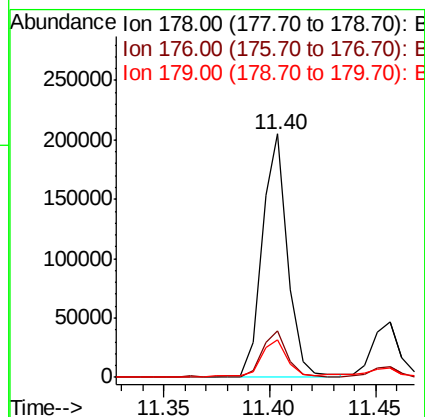
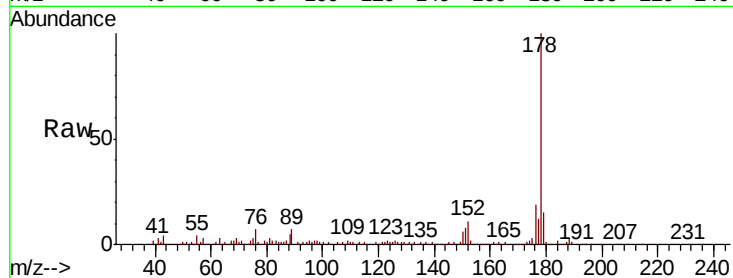




#71
Phenanthrene
Concen: 5.419 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

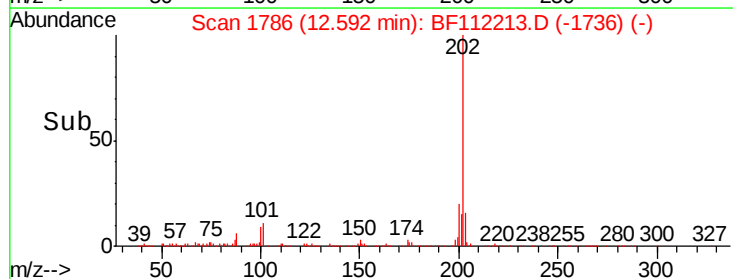
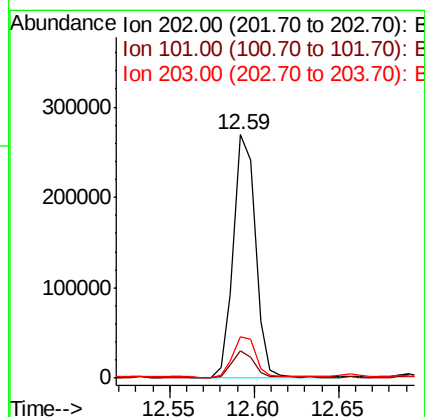
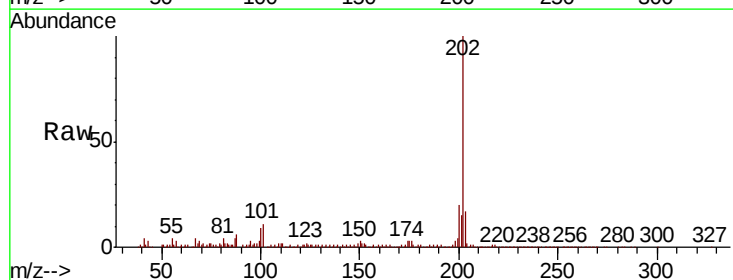
Instrument :
BNA_F
ClientSampleId :
TS-M

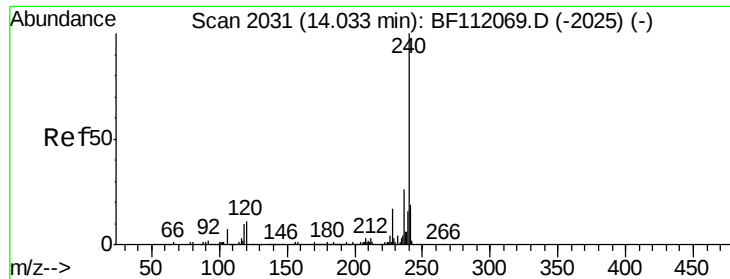
Tgt Ion:178 Resp: 170551
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.3 13.0 19.4



#75
Fluoranthene
Concen: 7.345 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion:202 Resp: 244088
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 16.8 0.0 38.4

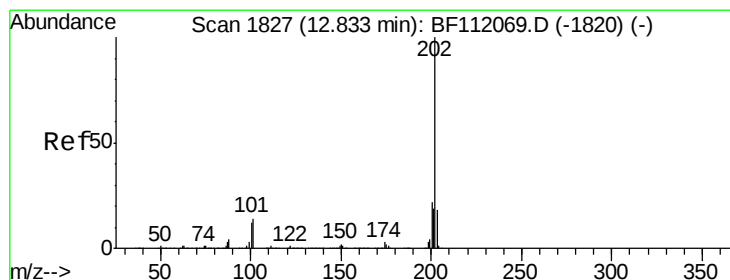
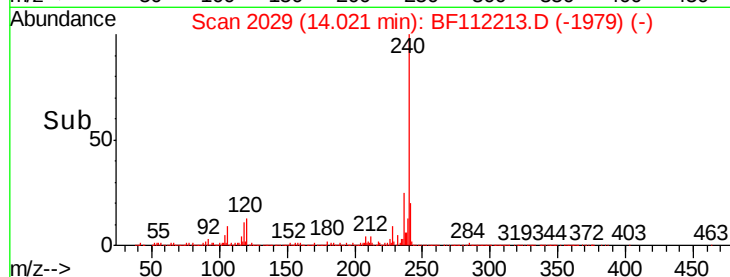
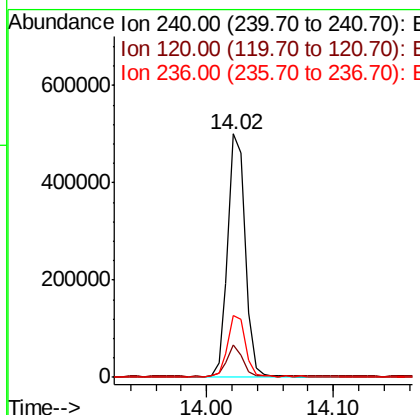
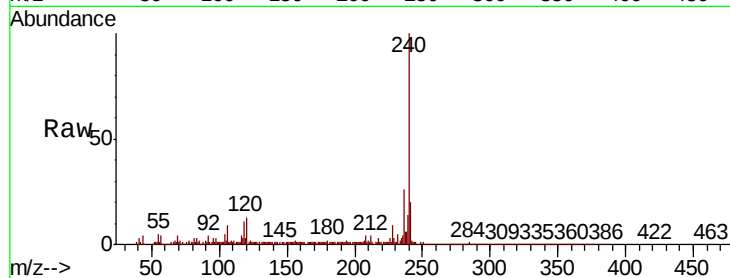




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

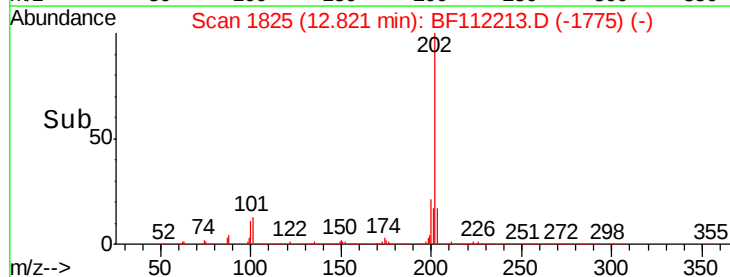
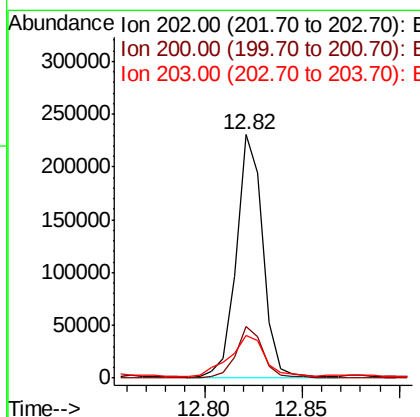
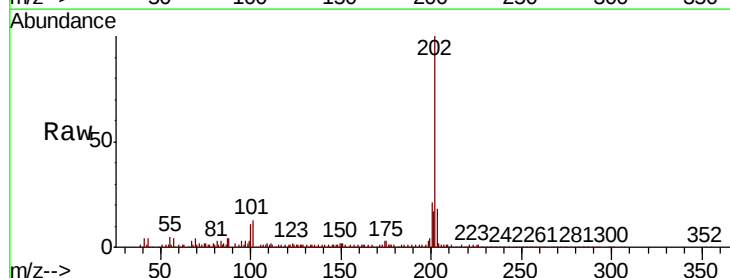
Instrument :
BNA_F
ClientSampleId :
TS-M

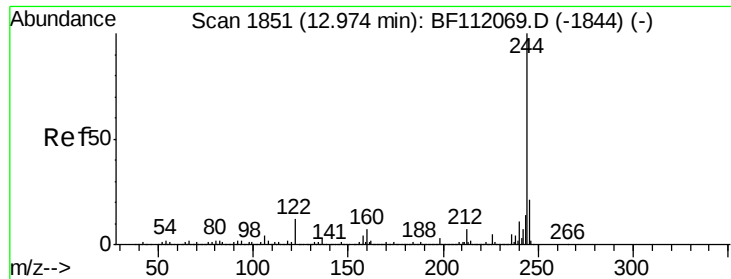
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.0	13.6
236	25.5	20.7	31.1



#78
Pyrene
Concen: 6.864 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 26.862 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

Instrument :

BNA_F

ClientSampled :

TS-M

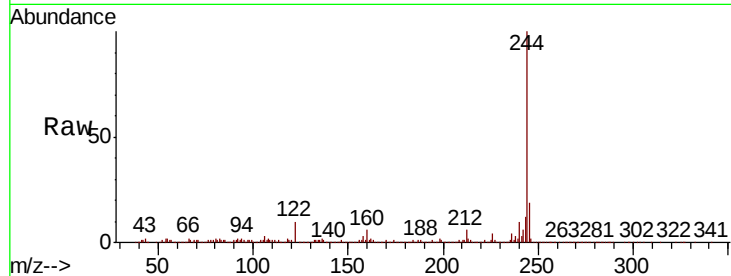
Tgt Ion:244 Resp: 602186

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

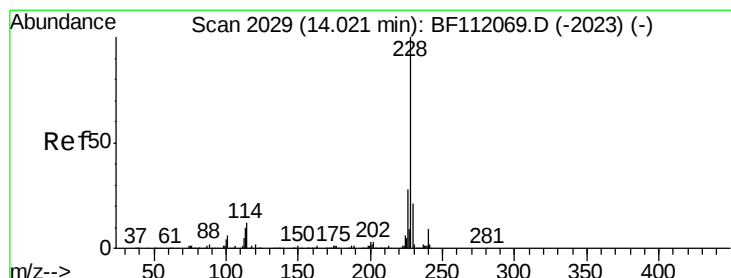
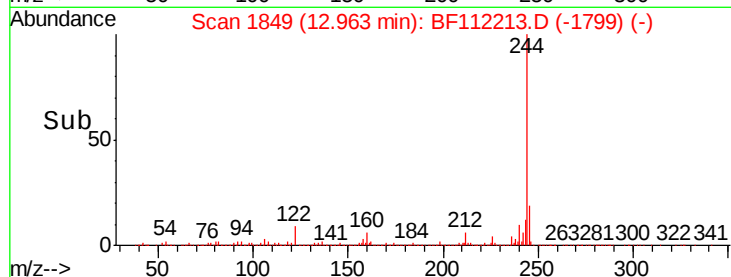
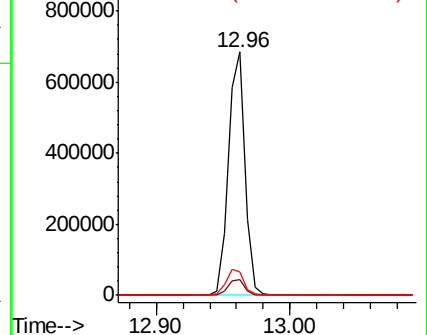
122 9.6 9.8 14.6#



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: 3.820 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF112213.D

Acq: 24 Jan 2019 17:14

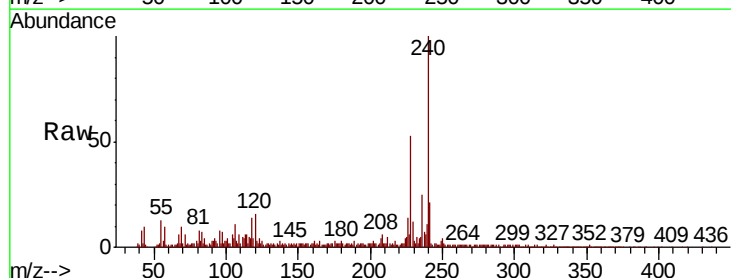
Tgt Ion:228 Resp: 104463

Ion Ratio Lower Upper

228 100

226 26.2 22.6 34.0

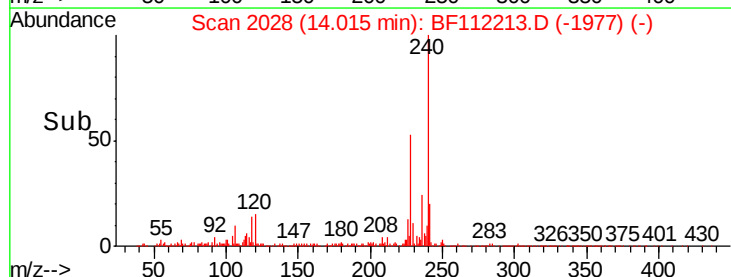
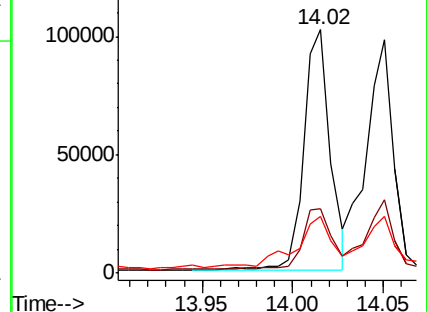
229 23.3 16.5 24.7

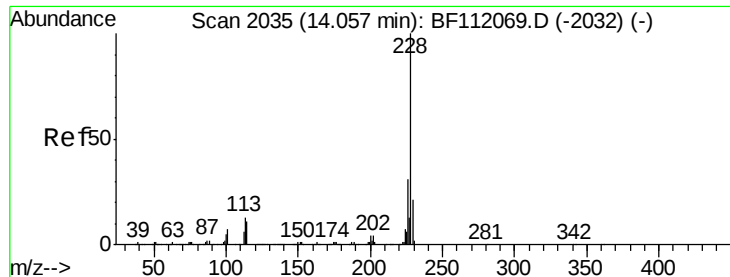


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

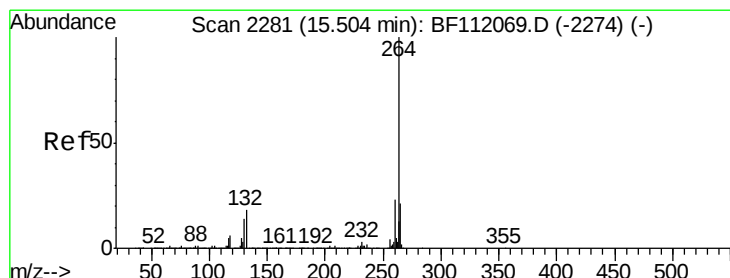
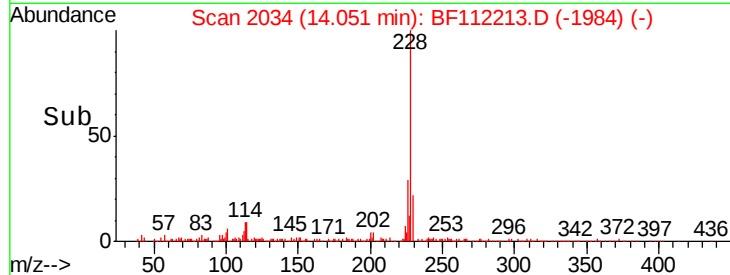
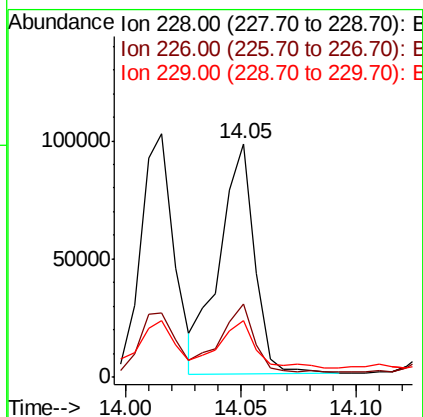
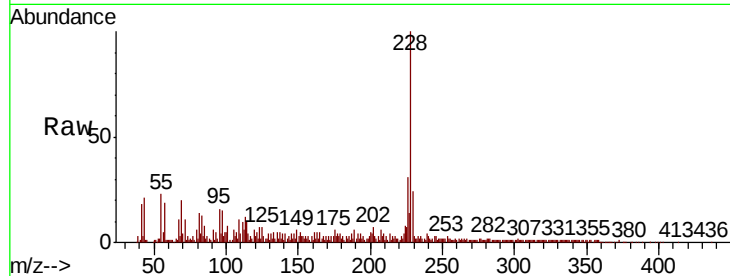




#83
Chrysene
Concen: 3.961 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

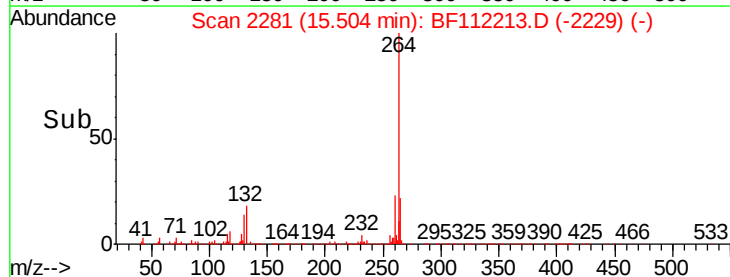
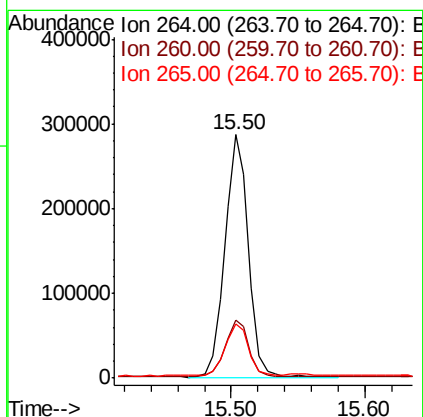
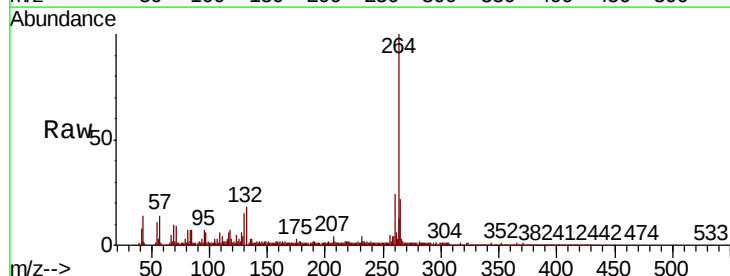
Instrument :
BNA_F
ClientSampleId :
TS-M

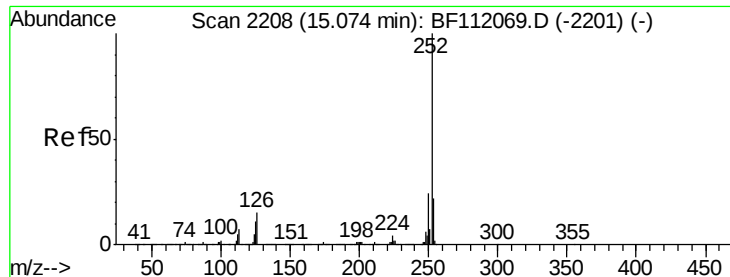
Tgt Ion: 228 Resp: 102475
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 24.2 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion: 264 Resp: 352245
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 22.2 17.0 25.4

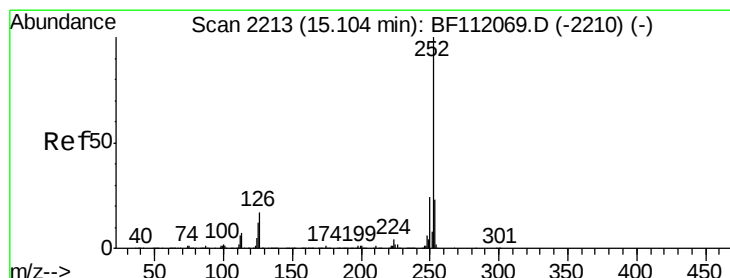
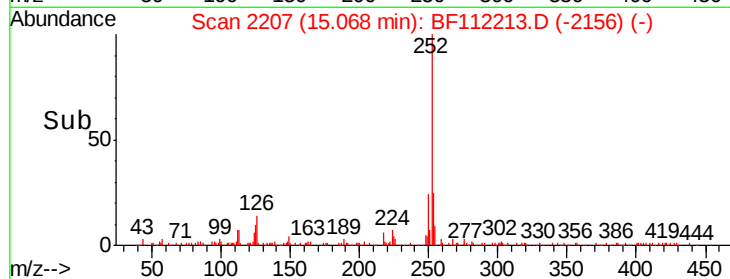
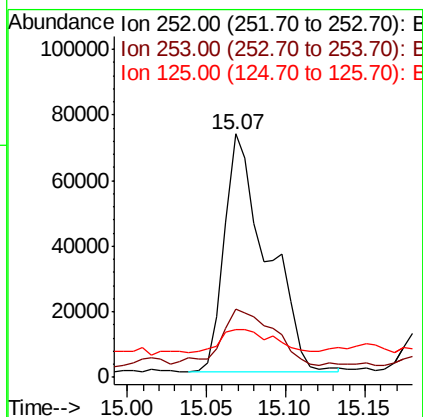
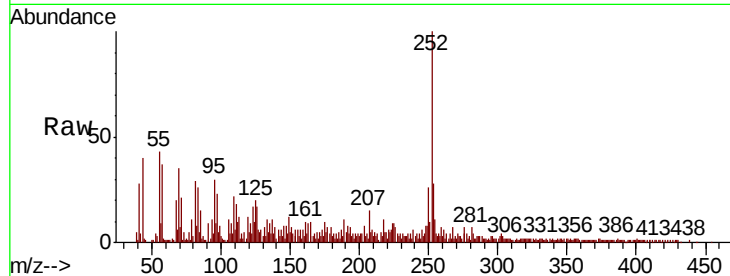




#88
Benzo(b)fluoranthene
Concen: 6.788 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

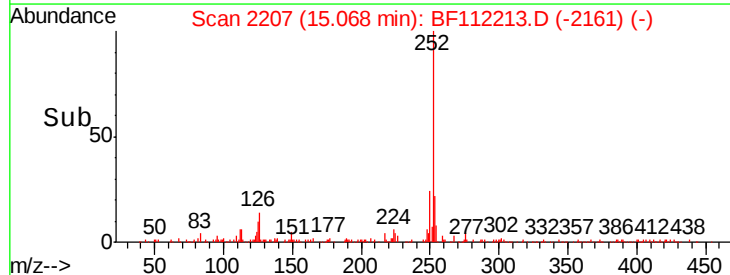
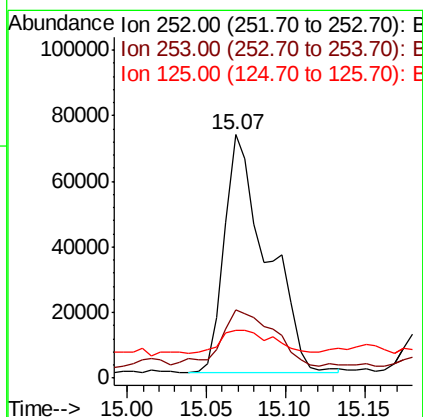
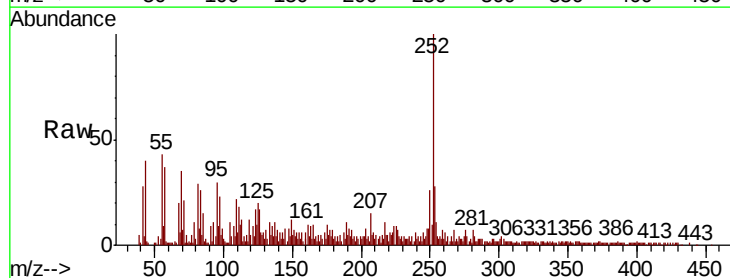
Instrument :
BNA_F
ClientSampleId :
TS-M

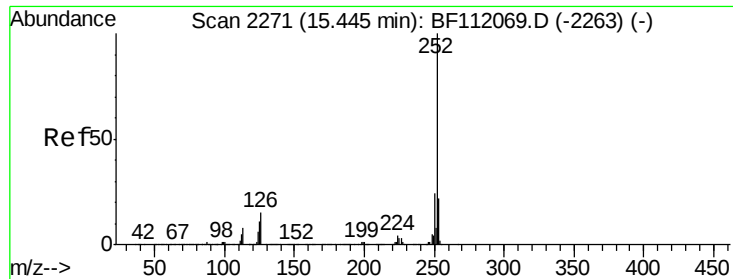
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	19.6	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 7.013 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	19.6	9.1	13.7#

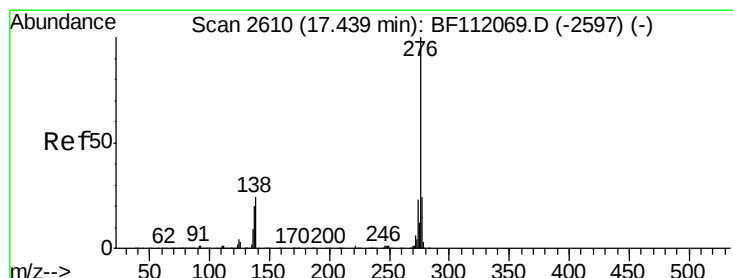
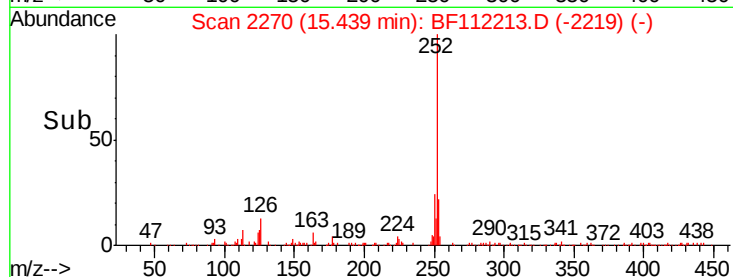
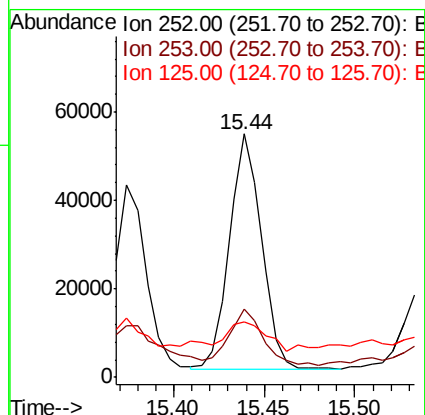
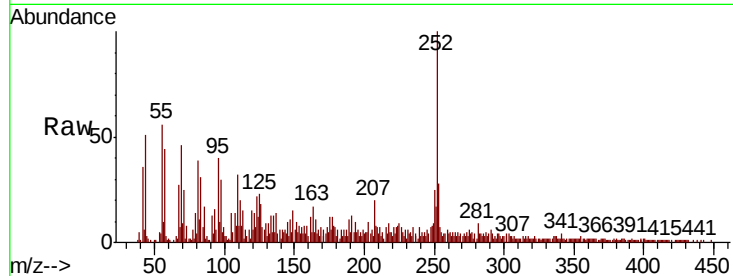




#90
Benzo(a)pyrene
Concen: 3.588 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Instrument :
BNA_F
ClientSampleId :
TS-M

Tgt Ion: 252 Resp: 65793
Ion Ratio Lower Upper
252 100
253 28.2 17.5 26.3#
125 22.7 9.0 13.4#



#92
Benzo(g,h,i)perylene
Concen: 2.239 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF112213.D
Acq: 24 Jan 2019 17:14

Tgt Ion: 276 Resp: 35927
Ion Ratio Lower Upper
276 100
277 31.9 19.4 29.0#
138 28.6 19.1 28.7

