

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112088.D
 Acq On : 17 Jan 2019 14:44
 Operator : JU/SJ
 Sample : K1167-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-10

Quant Time: Jan 18 00:07:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	316729	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1157805	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	535417	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	878521	20.00	ng	0.00
76) Chrysene-d12	14.03	240	707643	20.00	ng	0.00
87) Perylene-d12	15.50	264	614172	20.00	ng	0.00

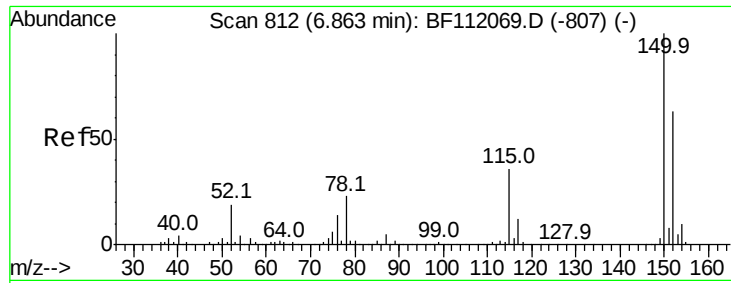
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	2137984	122.52	ng	0.01
7) Phenol-d6	6.51	99	2725940	124.85	ng	0.00
23) Nitrobenzene-d5	7.42	82	1671298	99.73	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	702205	121.57	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2881496	78.90	ng	0.00
79) Terphenyl-d14	12.97	244	2482300	74.62	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.51	77	6134	Below Cal	#	1
10) Phenol	6.52	94	173810	7.284 ng	#	70
19) n-Nitroso-di-n-propylamine	7.42	70	228228	17.159 ng	#	78
25) Isophorone	7.42	82	1668385	51.543 ng	#	64
26) 2-Nitrophenol	7.76	139	264	5.706 ng	#	39
32) Benzoic acid	7.93	122	112	7.185 ng	#	1
50) Dimethylphthalate	9.61	163	308531	7.902 ng		98
56) 4-Nitrophenol	10.10	139	3517	6.179 ng	#	16
57) 2,4-Dinitrotoluene	9.90	165	70713	10.972 ng	#	31
65) 4,6-Dinitro-2-methylphenol	10.69	198	1345	10.360 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	39742	3.895 ng	#	1
71) Phenanthrene	11.41	178	124334	2.812 ng		97
75) Fluoranthene	12.60	202	210681	4.513 ng		99
78) Pyrene	12.83	202	179130	3.837 ng		99
81) Benzo(a)anthracene	14.02	228	103068	2.540 ng		98
83) Chrysene	14.05	228	84710	2.206 ng		98
88) Benzo(b)fluoranthene	15.07	252	128228	3.678 ng	#	97
89) Benzo(k)fluoranthene	15.07	252	128228	3.800 ng		97

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

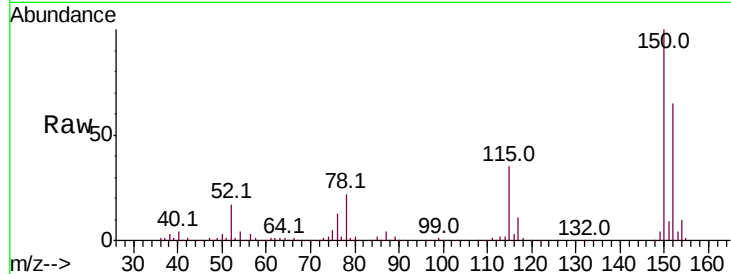


#1

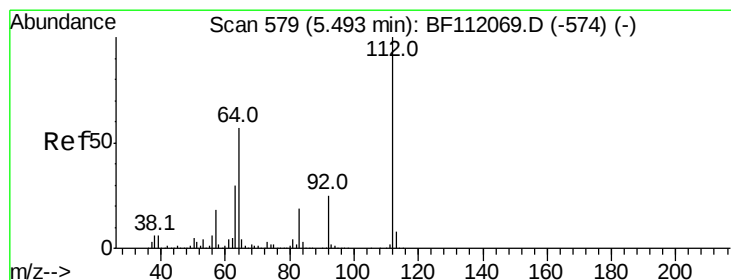
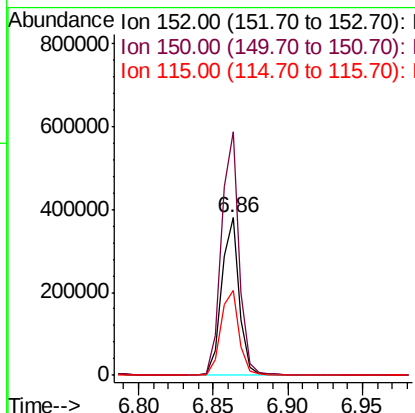
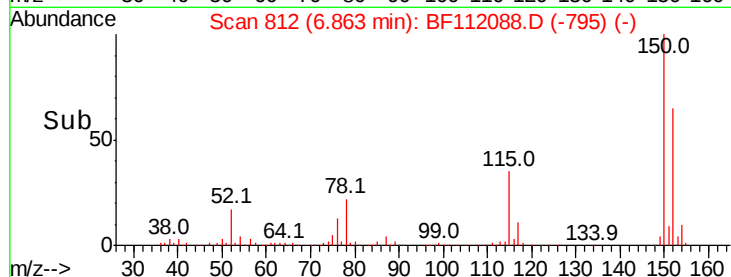
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Instrument :
BNA_F
ClientSampleId :
D-10

Tot Ion:152 Resp: 316729
Ion Ratio Lower Upper
152 100
150 154.5 127.4 191.0
115 54.1 45.5 68.3



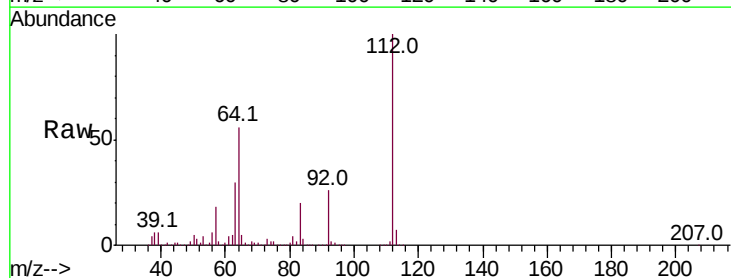
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



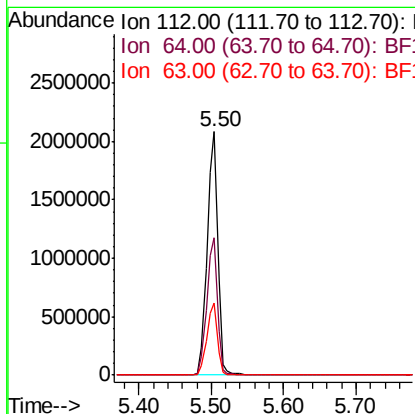
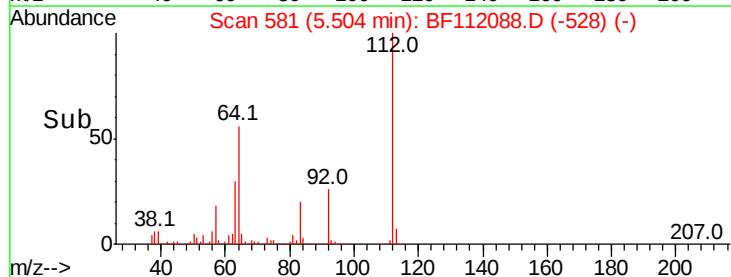
#5

2-Fluorophenol
Concen: 122.519 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:112 Resp: 2137984
Ion Ratio Lower Upper
112 100
64 56.3 45.7 68.5
63 29.8 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: 124.854 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

Instrument :

BNA_F

ClientSampleId :

D-10

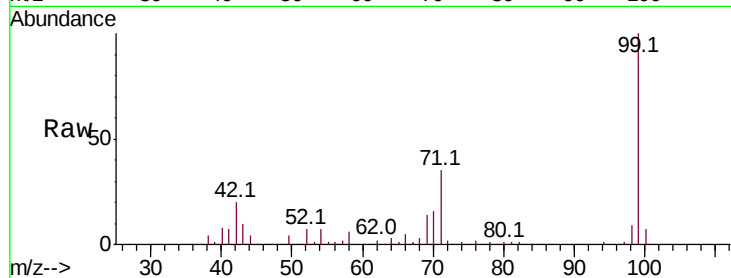
Tot Ion: 99 Resp: 2725940

Ion Ratio Lower Upper

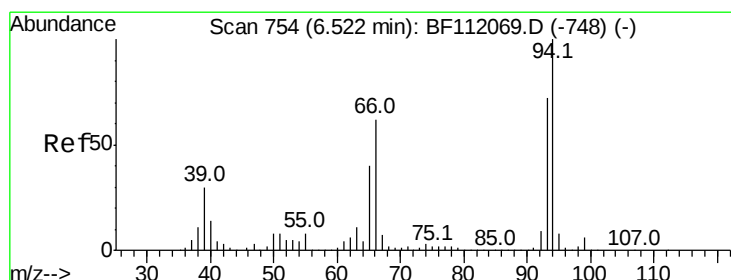
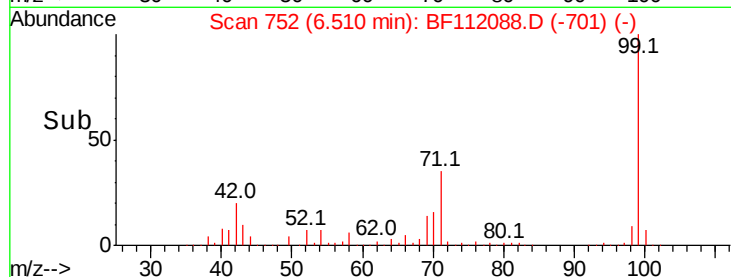
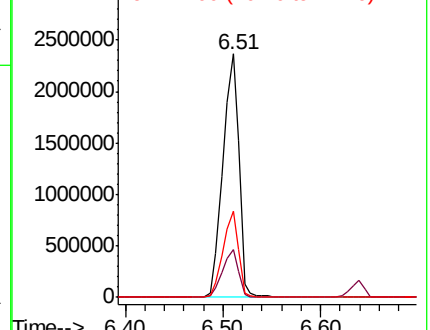
99 100

42 19.6 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



#10

Phenol

Concen: 7.284 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

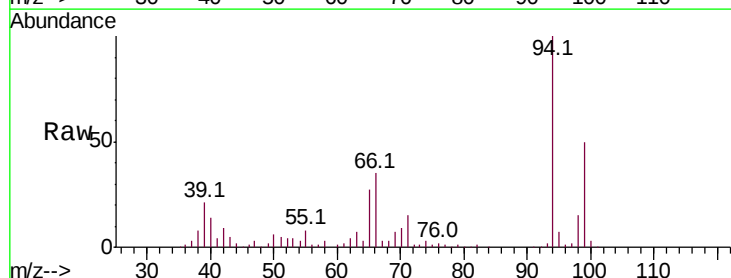
Tgt Ion: 94 Resp: 173810

Ion Ratio Lower Upper

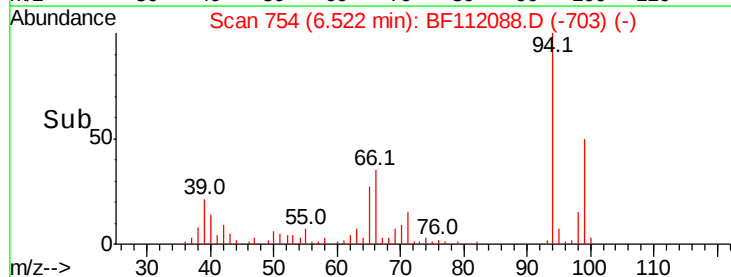
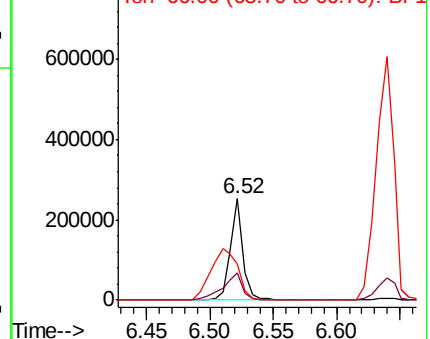
94 100

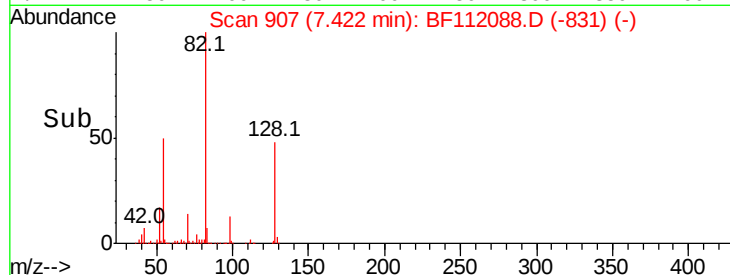
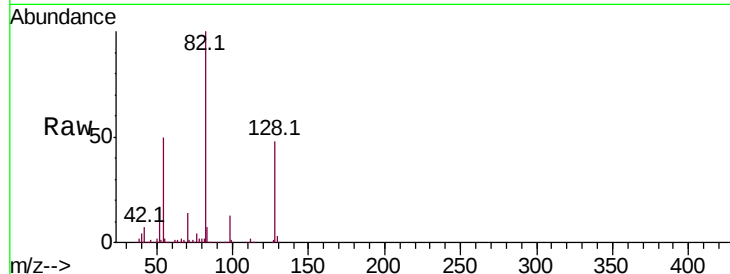
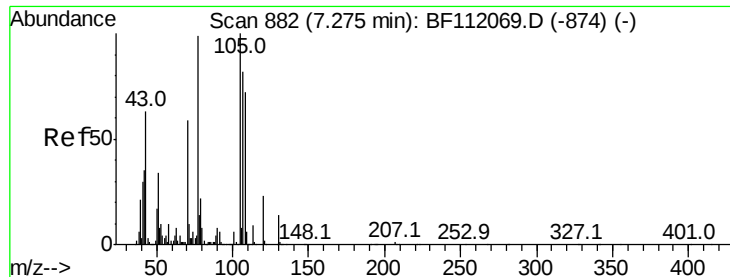
65 26.5 20.3 60.3

66 35.2 42.4 82.4#



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

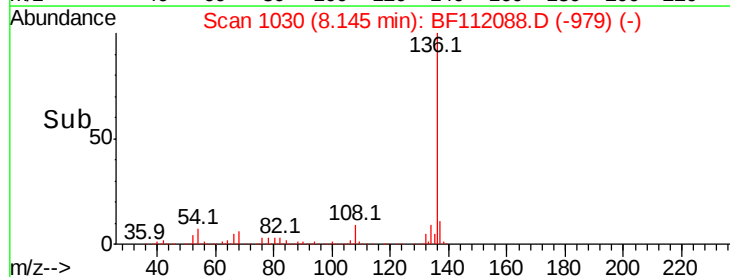
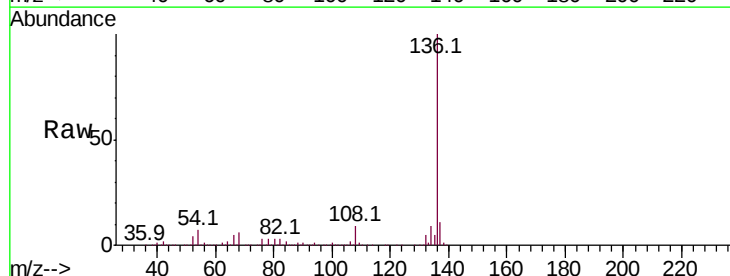
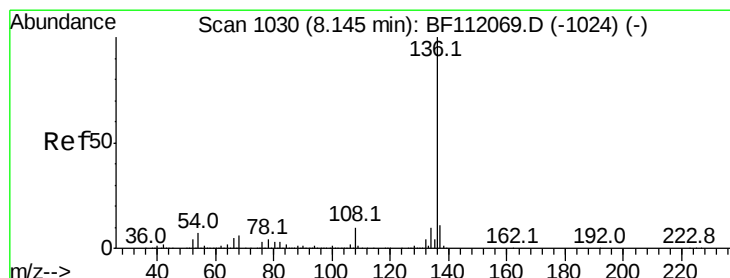
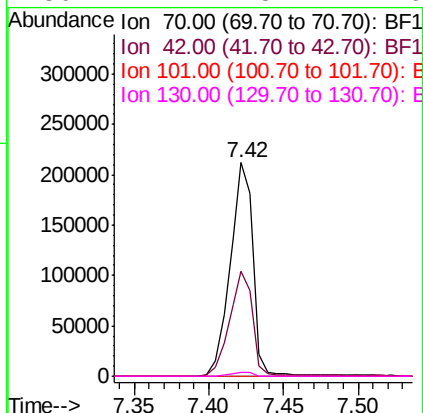




#19
n-Nitroso-di-n-propylamine
Concen: 17.159 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

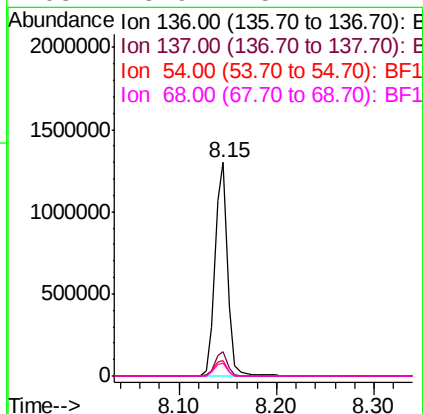
Instrument :
BNA_F
ClientSampleId :
D-10

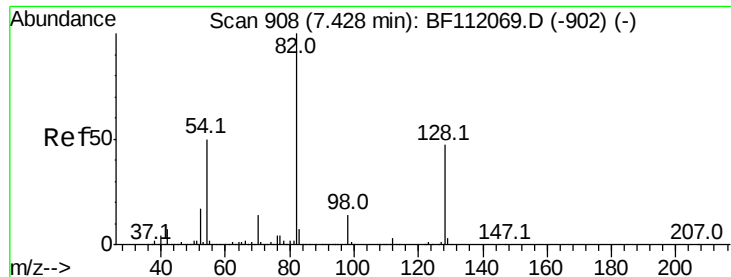
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.2	47.6	71.4
101	0.0	7.9	11.9#
130	2.1	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.1	5.9	8.9
68	5.9	5.1	7.7

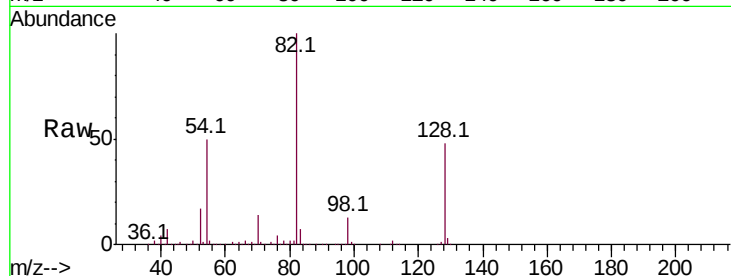




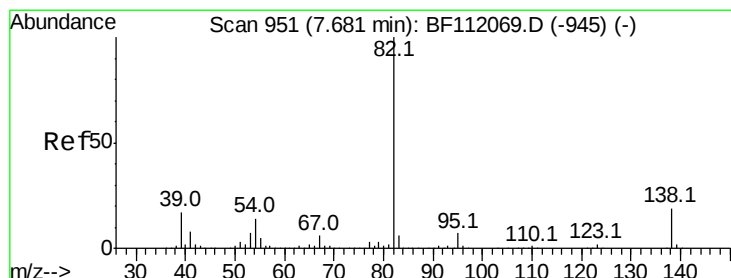
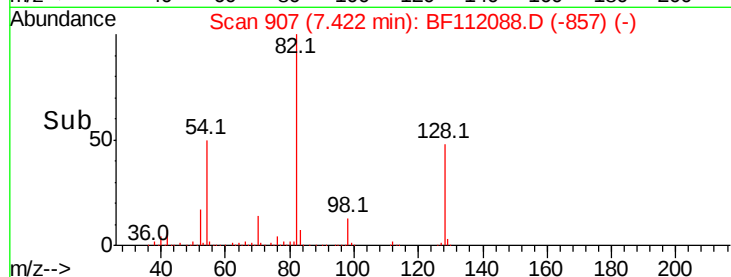
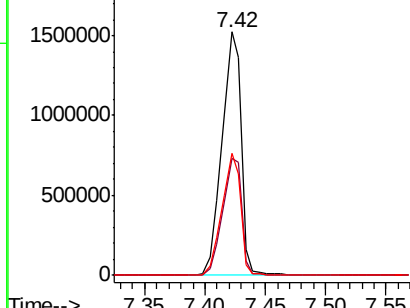
#23
Nitrobenzene-d5
Concen: 99.730 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Instrument :
BNA_F
ClientSampleId :
D-10

Tot Ion: 82 Resp: 1671298
Ion Ratio Lower Upper
82 100
128 47.9 37.8 56.8
54 50.0 39.7 59.5

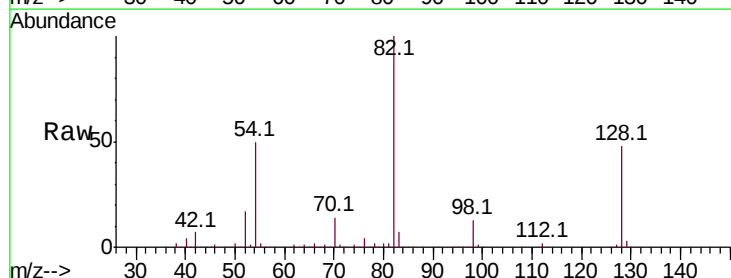


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

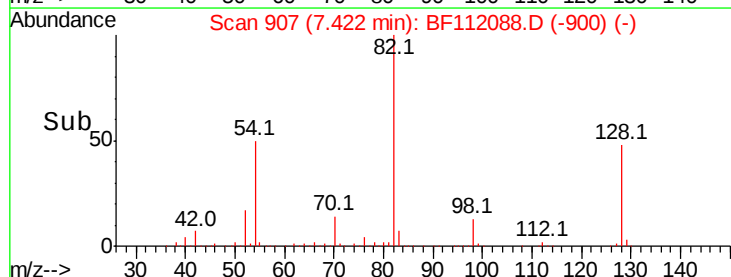
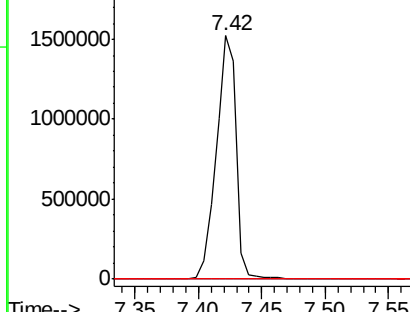


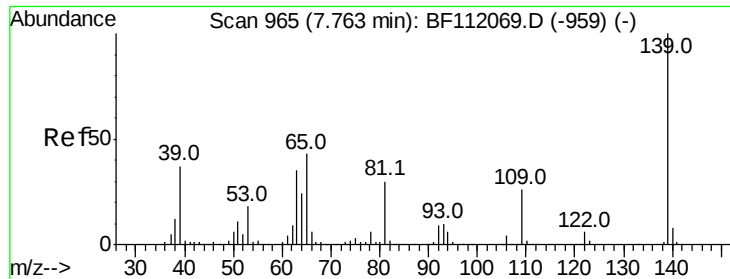
#25
Isophorone
Concen: 51.543 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion: 82 Resp: 1668385
Ion Ratio Lower Upper
82 100
95 0.0 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

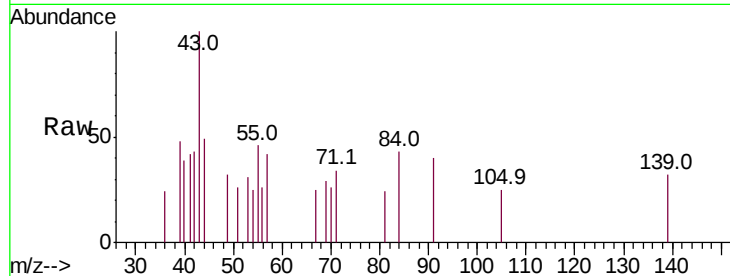




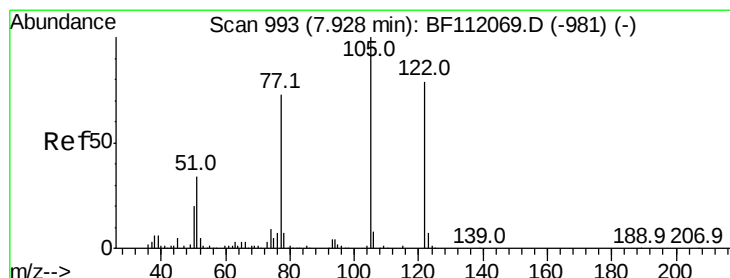
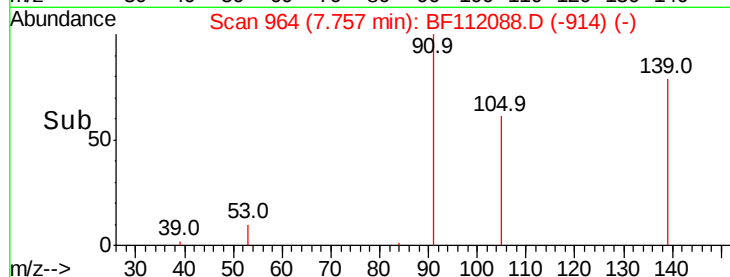
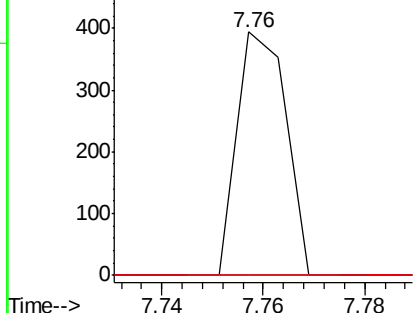
#26
2-Nitrophenol
Concen: 5.706 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Instrument :
BNA_F
ClientSampled :
D-10

Tot Ion:139 Resp: 264
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 34.4 51.6#

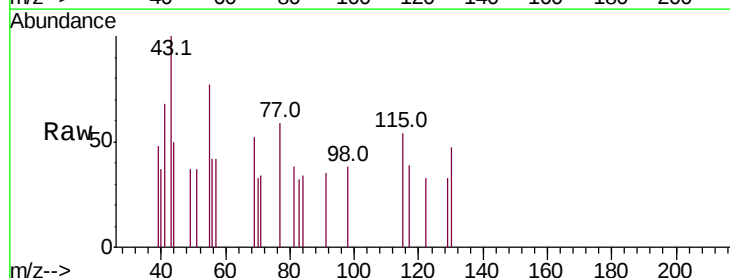


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

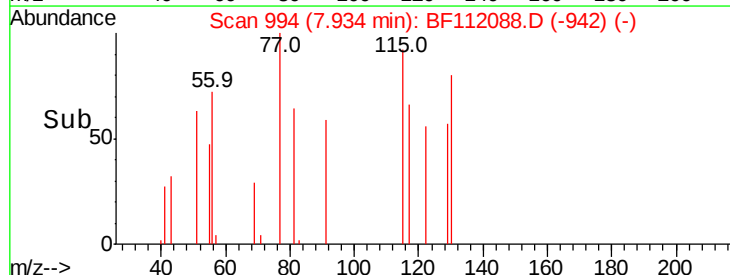
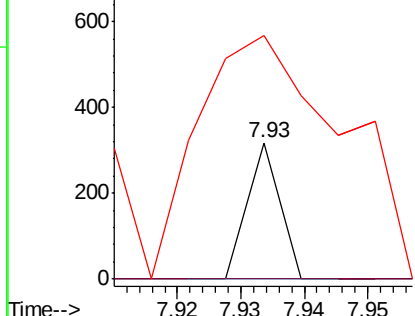


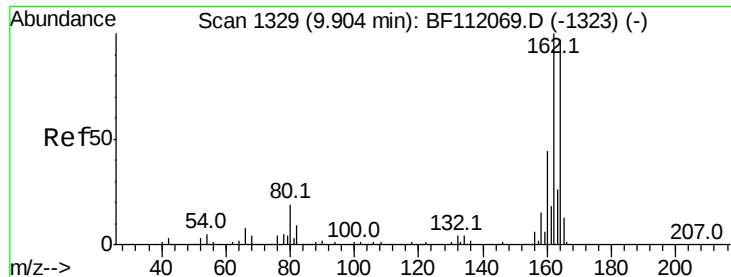
#32
Benzoic acid
Concen: 7.185 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 0.0 101.2 141.2#
77 178.3 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

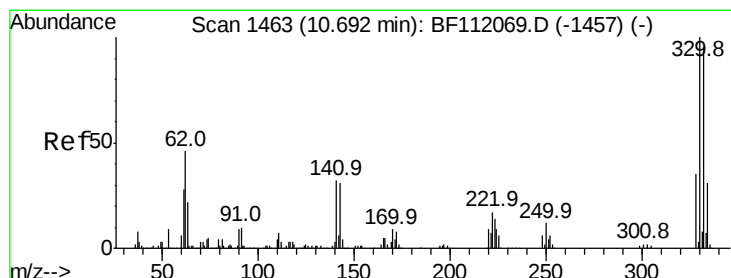
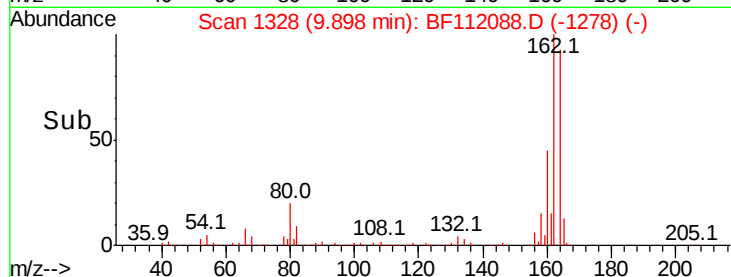
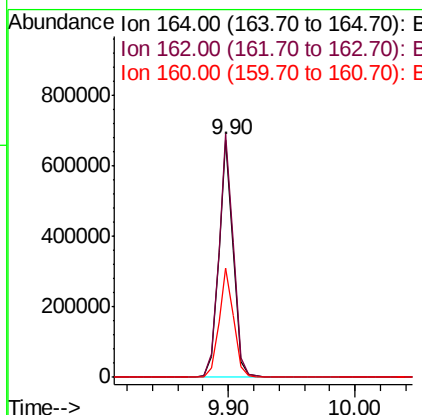
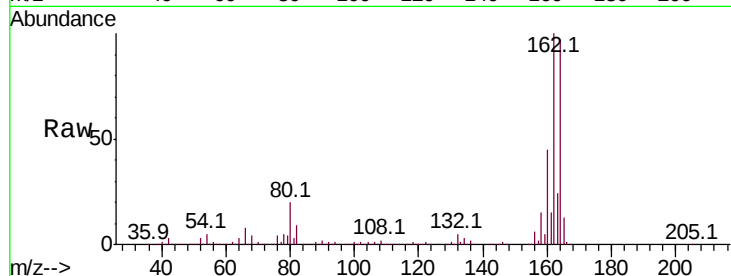




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

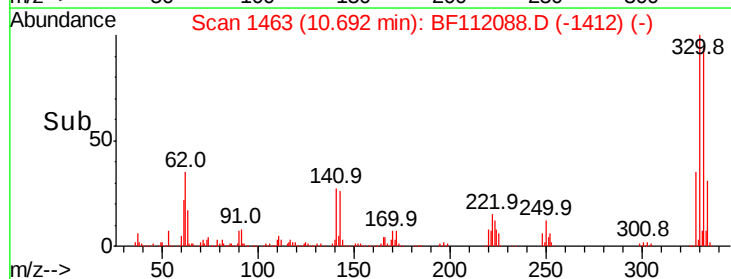
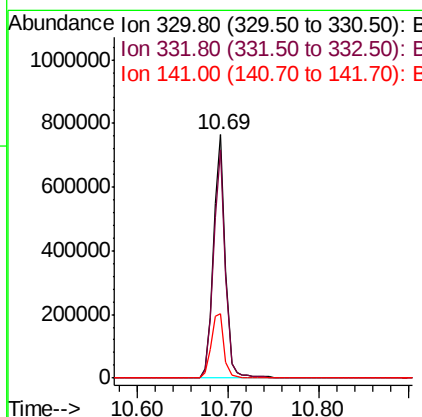
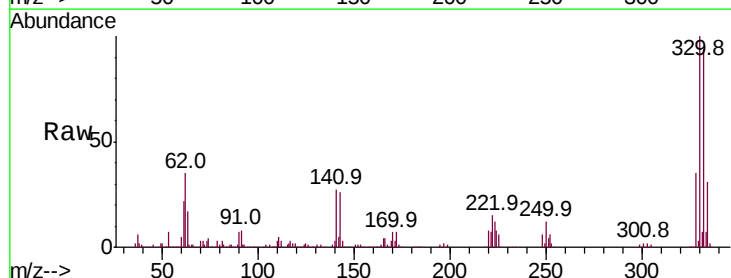
Instrument :
 BNA_F
 ClientSampleId :
 D-10

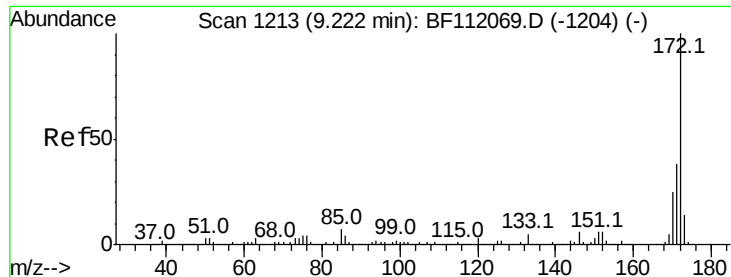
Tot Ion:164 Resp: 535417
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.2 123.4
 160 45.8 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 121.573 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

Tgt Ion:330 Resp: 702205
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.6 114.8
 141 29.6 24.3 36.5



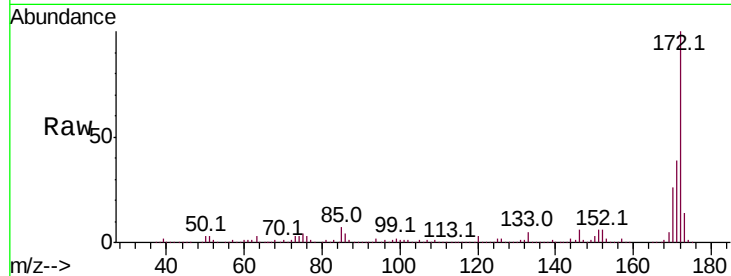


#45
 2-Fluorobiphenyl
 Concen: 78.903 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

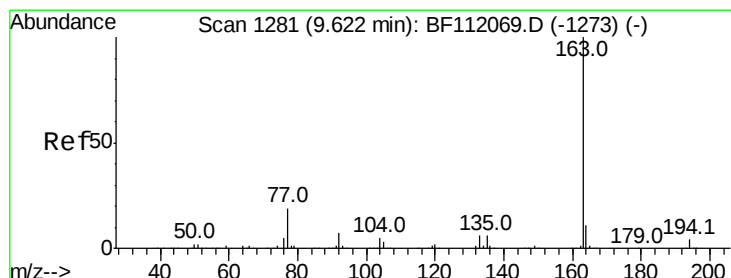
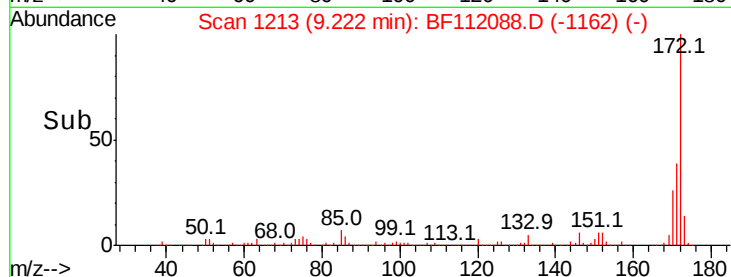
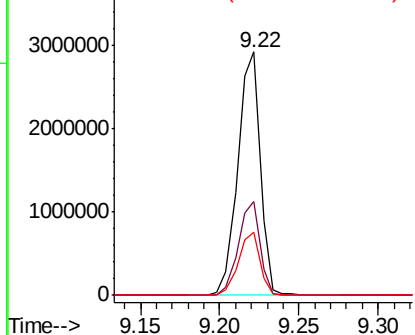
Instrument :
 BNA_F
 ClientSampleId :
 D-10

Tot Ion:172 Resp: 2881496

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.7
170	25.8	20.2	30.4



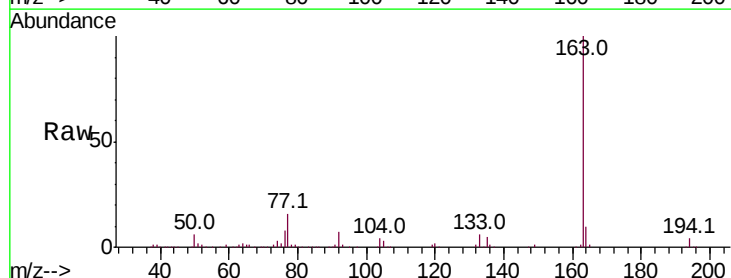
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



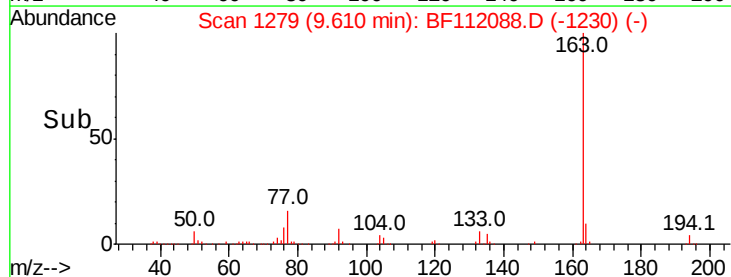
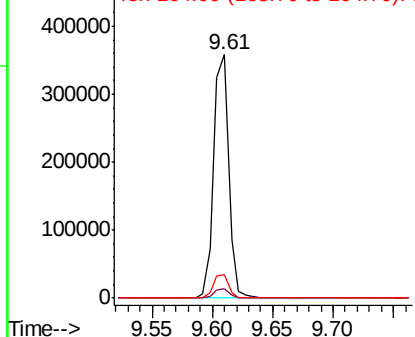
#50
 Dimethylphthalate
 Concen: 7.902 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

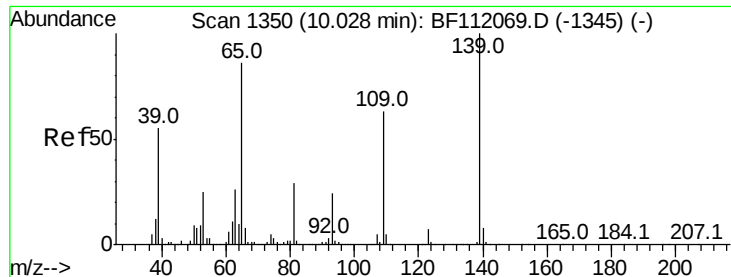
Tgt Ion:163 Resp: 308531

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.6	8.5	12.7



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

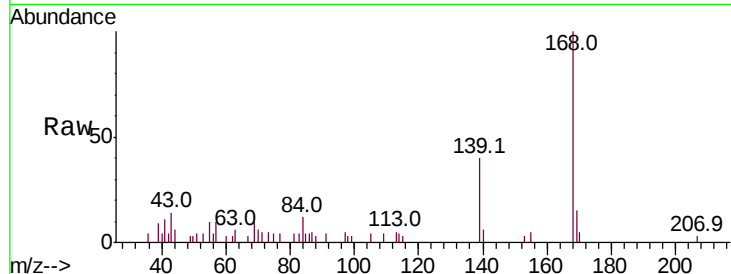




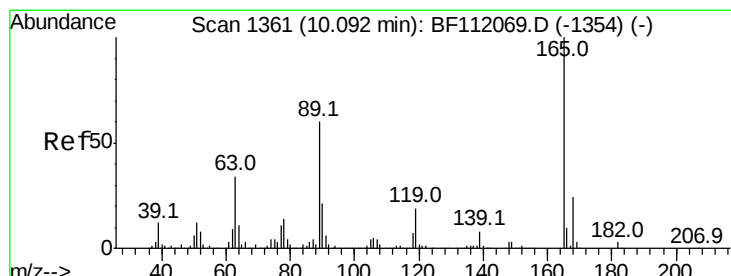
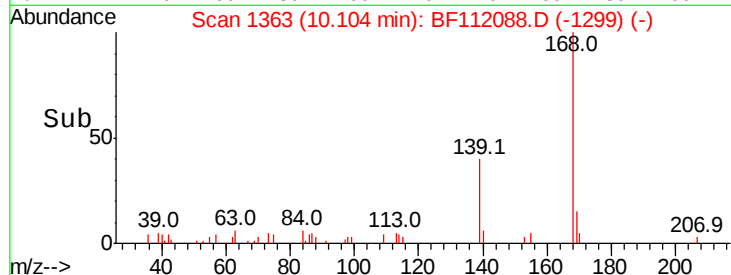
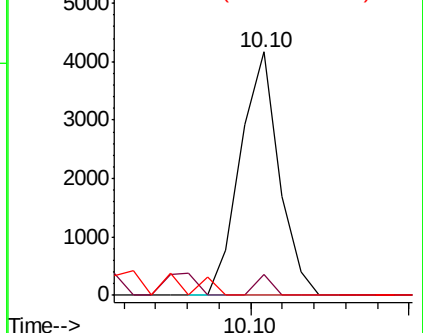
#56
4-Nitrophenol
Concen: 6.179 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Instrument :
BNA_F
ClientSampled :
D-10

Tot Ion:139 Resp: 3517
Ion Ratio Lower Upper
139 100
109 8.8 42.8 82.8#
65 0.0 66.1 106.1#

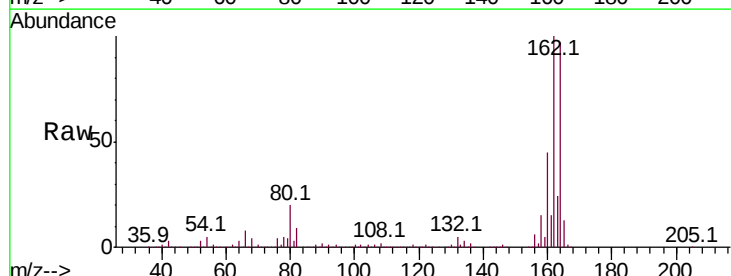


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

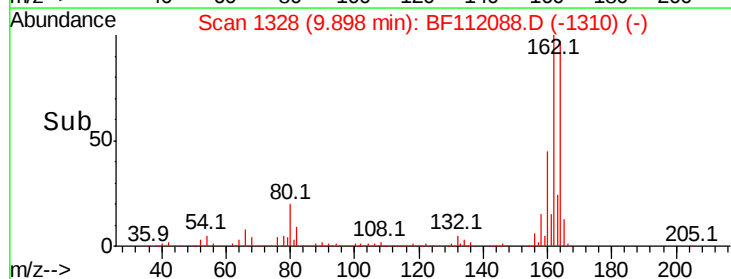
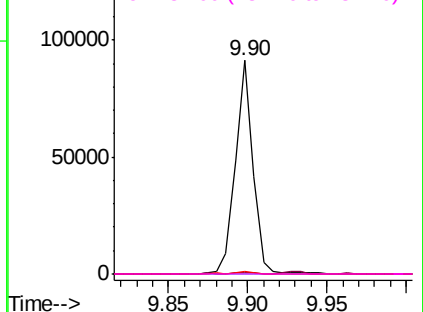


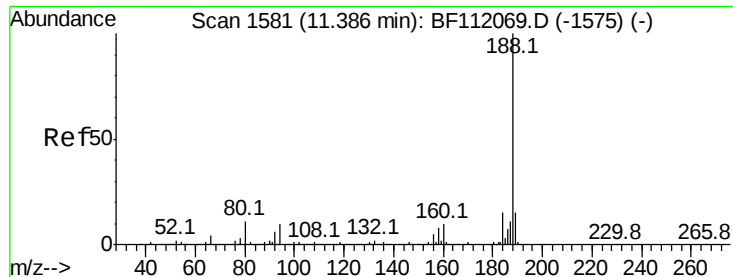
#57
2,4-Dinitrotoluene
Concen: 10.972 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:165 Resp: 70713
Ion Ratio Lower Upper
165 100
63 0.8 27.9 41.9#
89 1.1 47.9 71.9#
182 0.0 2.2 3.4#



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

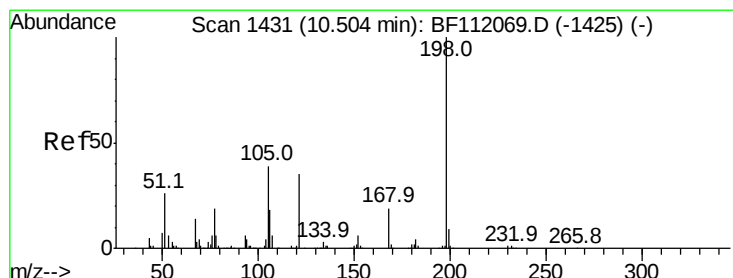
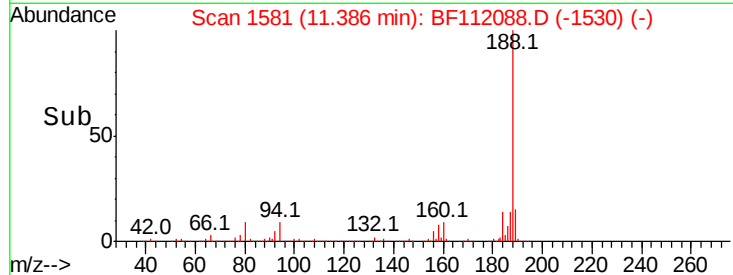
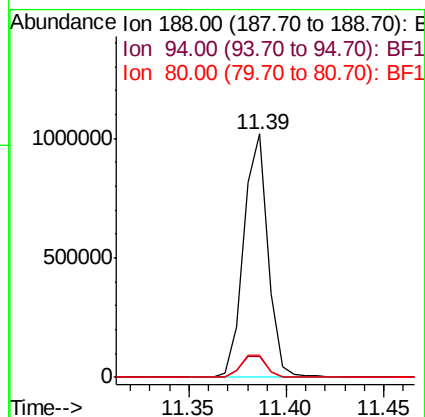
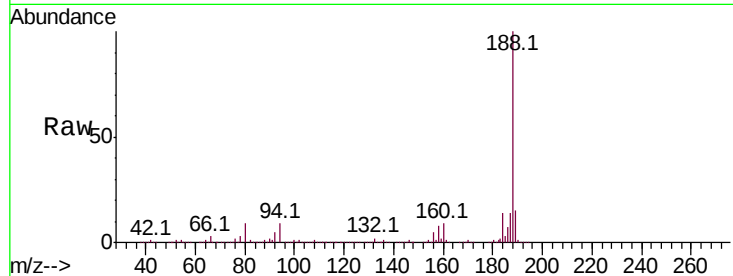




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

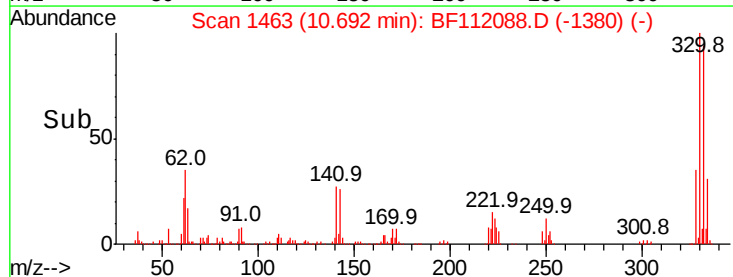
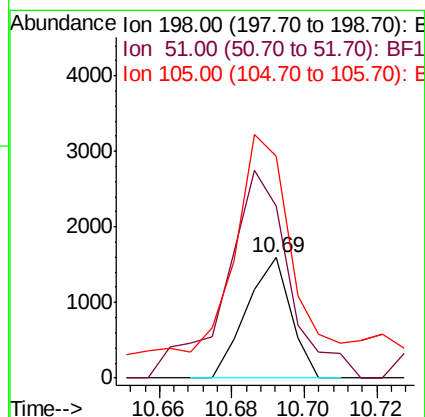
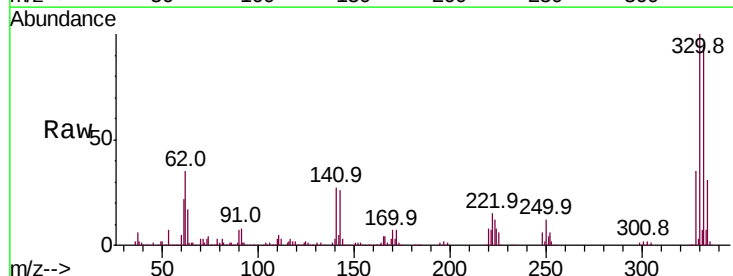
Instrument :
BNA_F
ClientSampleId :
D-10

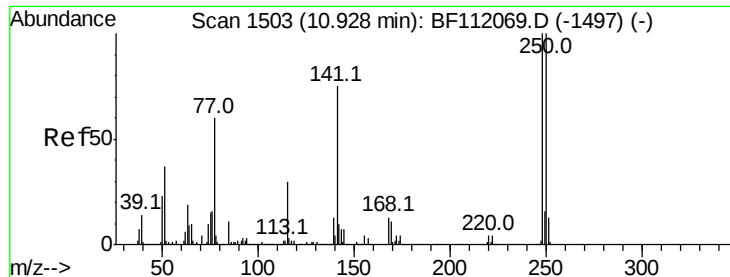
Tot Ion:188 Resp: 878521
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.0 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 10.360 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:198 Resp: 1345
Ion Ratio Lower Upper
198 100
51 143.2 17.2 57.2#
105 184.9 21.9 61.9#

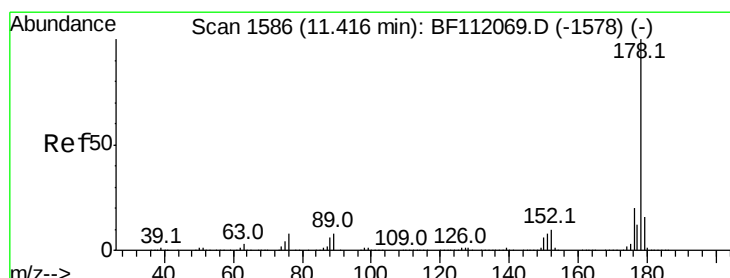
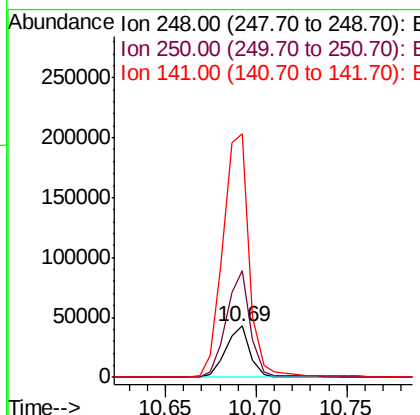
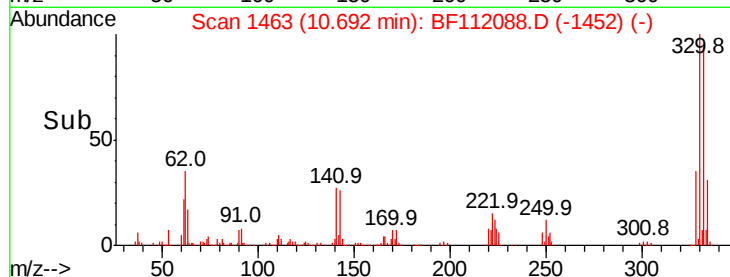
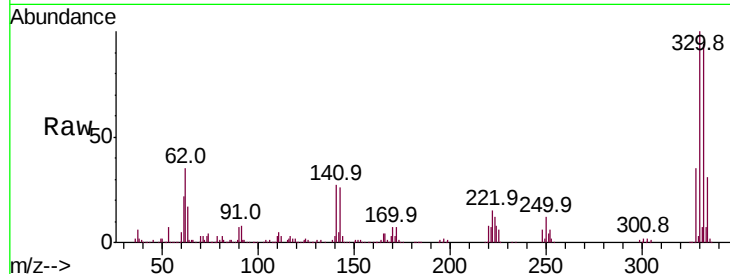




#67
 4-Bromophenyl-phenylether
 Concen: 3.895 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

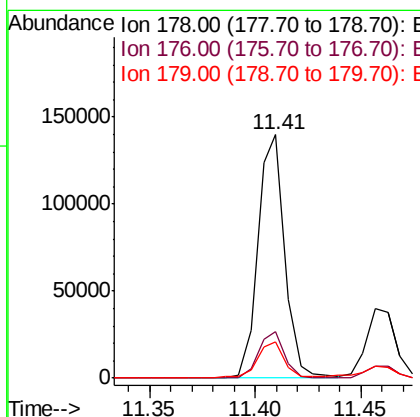
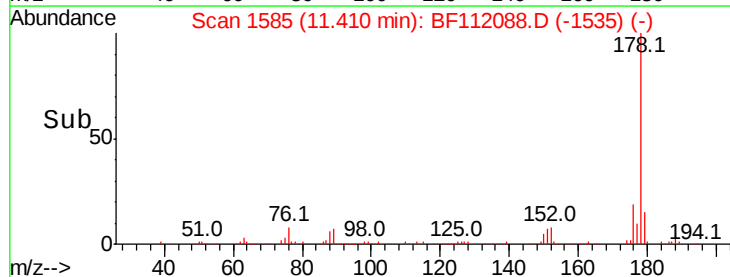
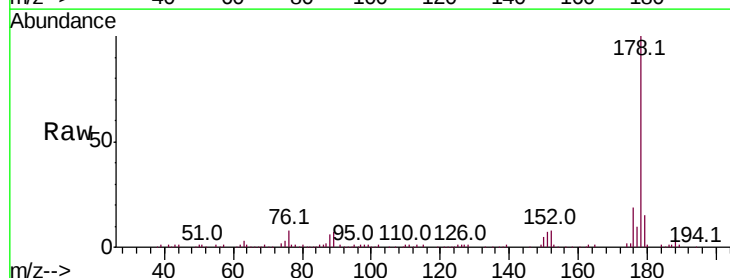
Instrument :
 BNA_F
 ClientSampled :
 D-10

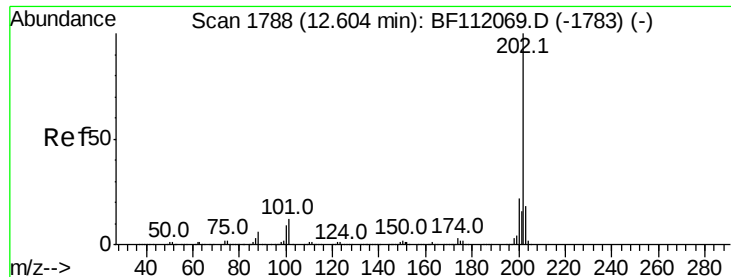
Tot Ion:248 Resp: 39742
 Ion Ratio Lower Upper
 248 100
 250 208.0 79.7 119.5#
 141 477.2 60.3 90.5#



#71
 Phenanthrene
 Concen: 2.812 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF112088.D
 Acq: 17 Jan 2019 14:44

Tgt Ion:178 Resp: 124334
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.3 24.5
 179 15.0 13.0 19.4





#75

Fluoranthene

Concen: 4.513 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

Instrument :

BNA_F

ClientSampleId :

D-10

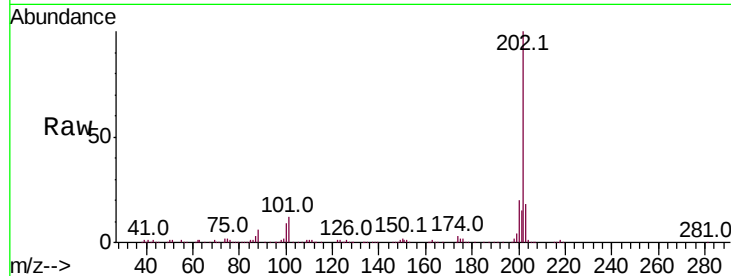
Tot Ion:202 Resp: 210681

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.8

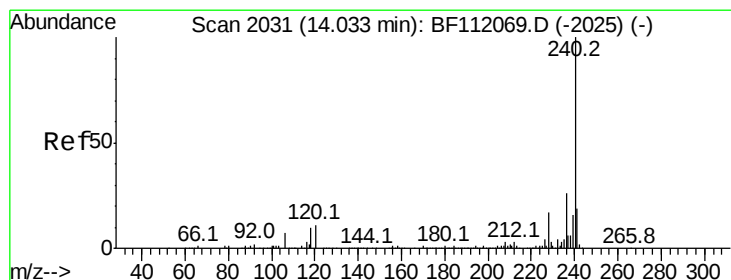
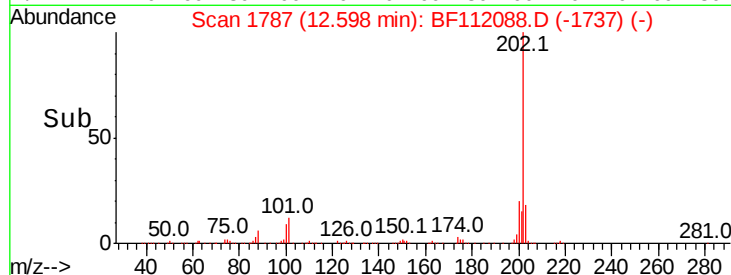
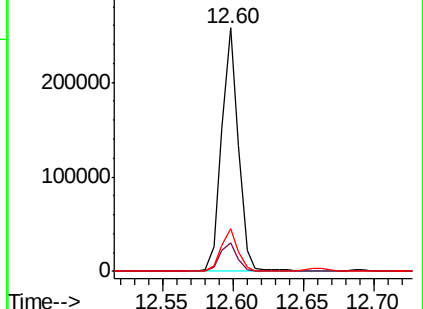
203 17.5 0.0 38.4



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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

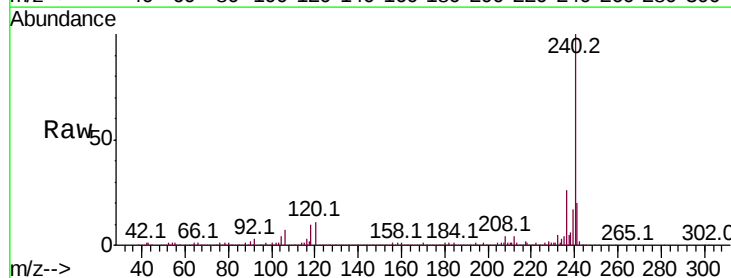
Tgt Ion:240 Resp: 707643

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.6

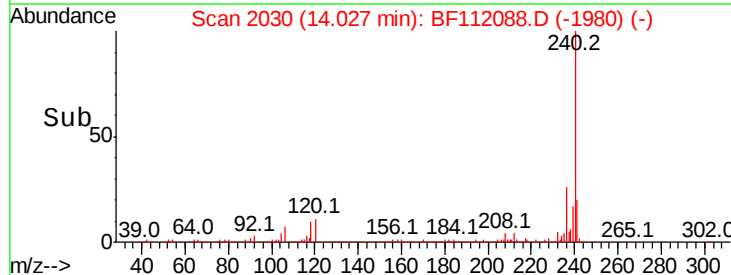
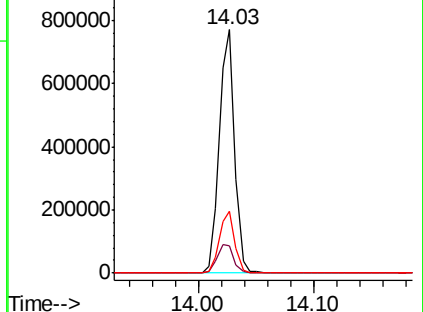
236 25.6 20.7 31.1

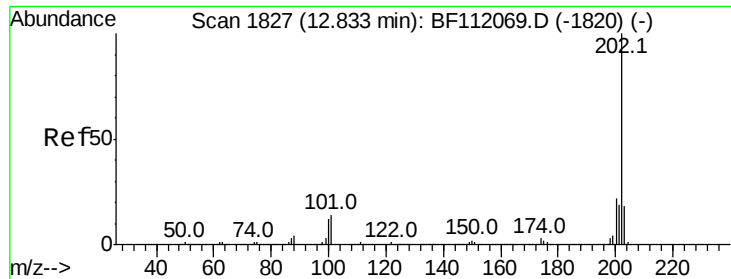


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

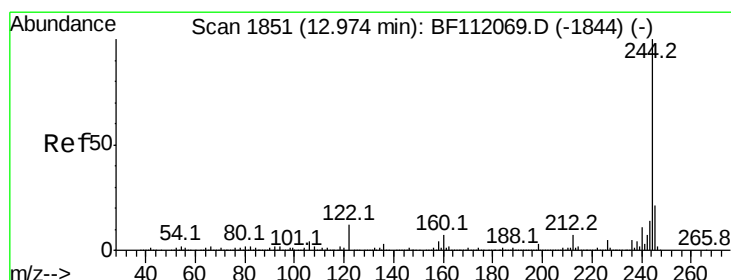
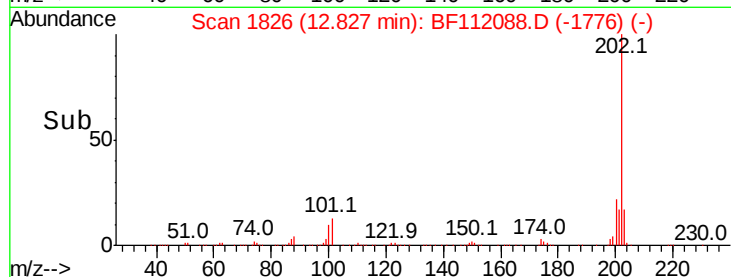
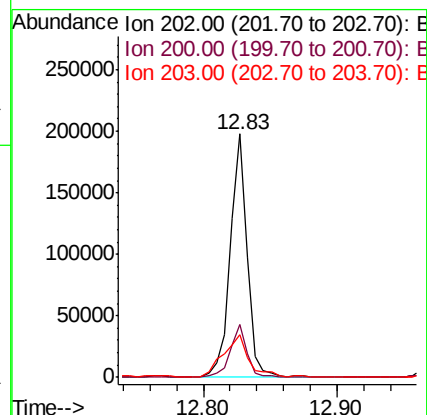
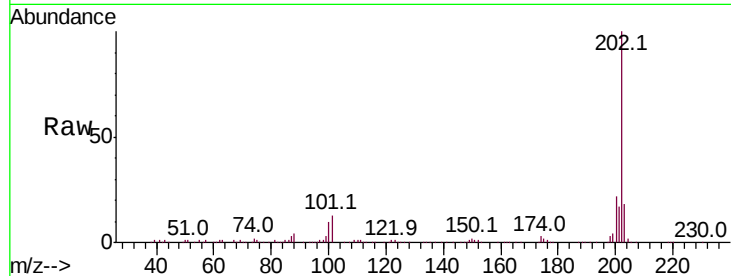




#78
Pvrene
Concen: 3.837 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

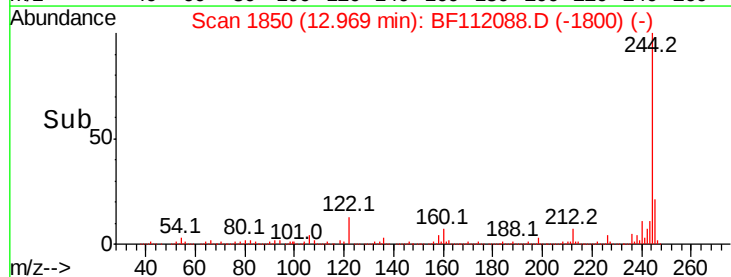
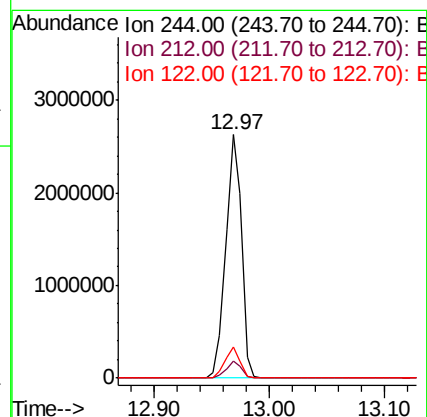
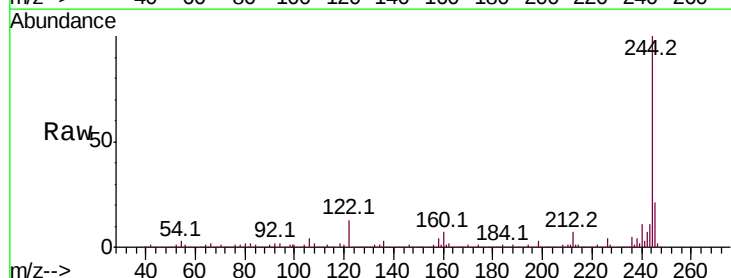
Instrument :
BNA_F
ClientSampled :
D-10

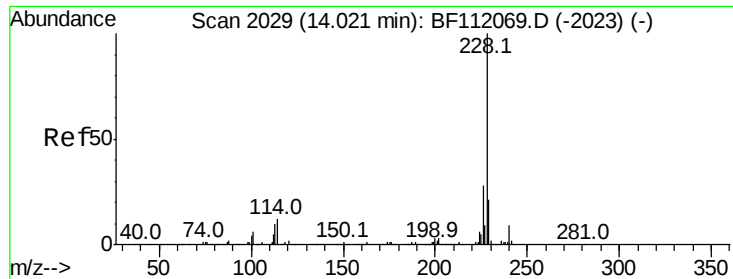
Tot Ion:202 Resp: 179130
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: 74.625 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:244 Resp: 2482300
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.7 9.8 14.6





#81

Benzo(a)anthracene

Concen: 2.540 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

Instrument :

BNA_F

ClientSampleId :

D-10

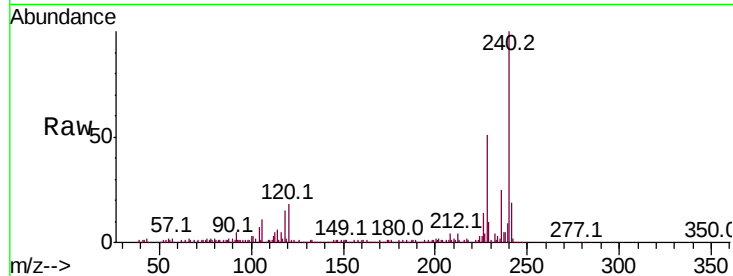
Tot Ion:228 Resp: 103068

Ion Ratio Lower Upper

228 100

226 27.1 22.6 34.0

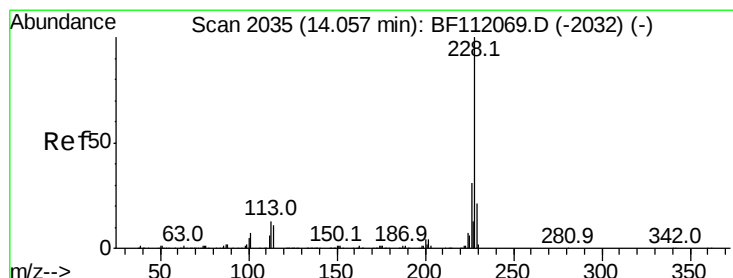
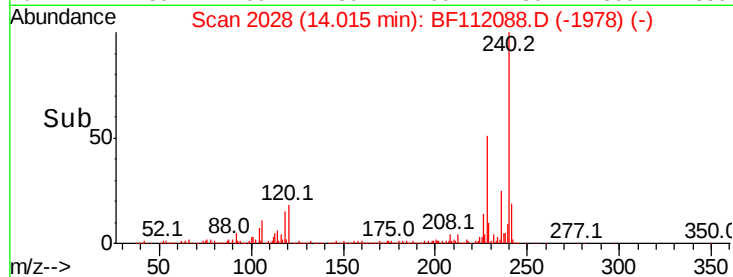
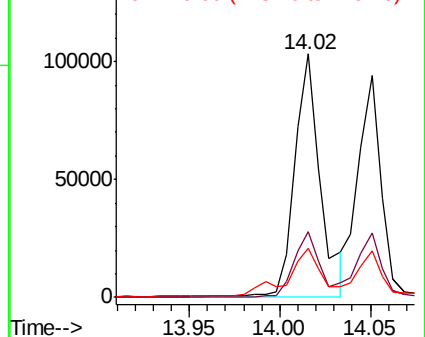
229 20.0 16.5 24.7



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: 2.206 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

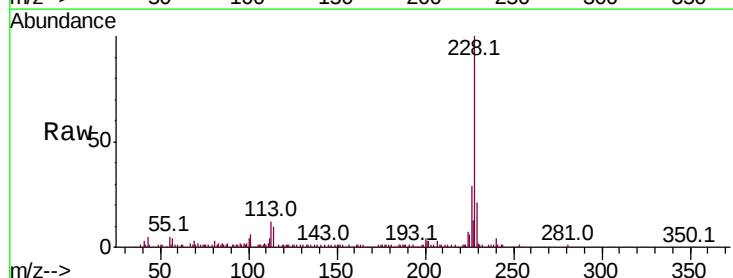
Tgt Ion:228 Resp: 84710

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

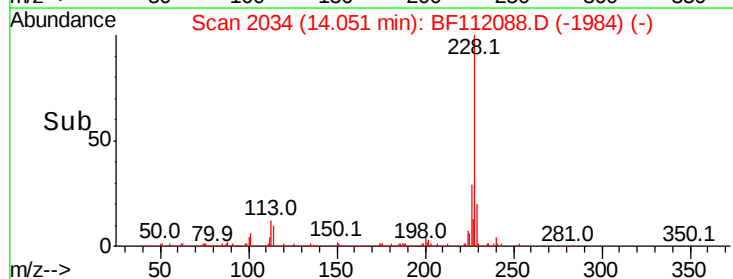
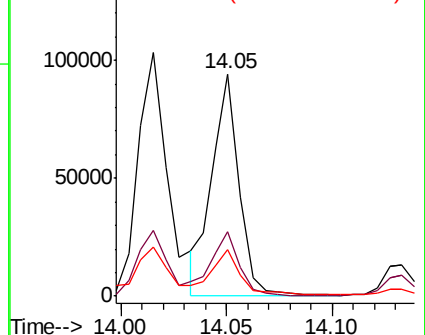
229 20.9 16.6 24.8

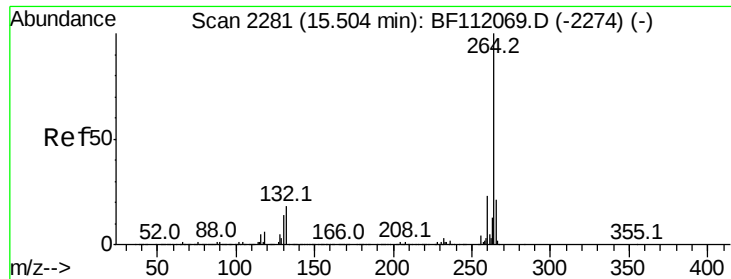


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

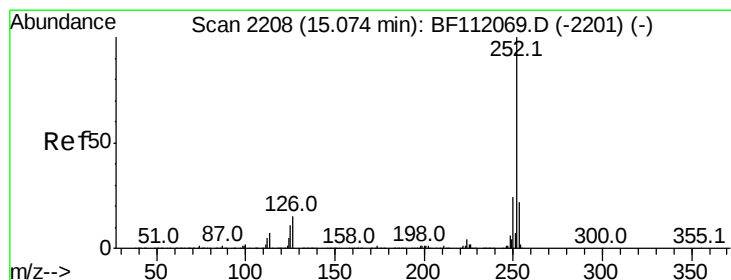
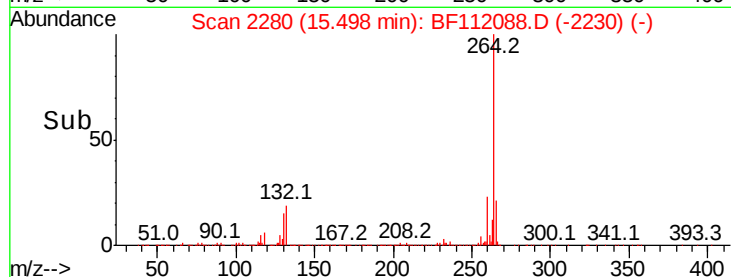
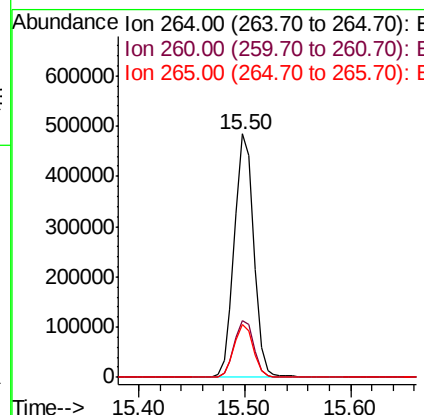
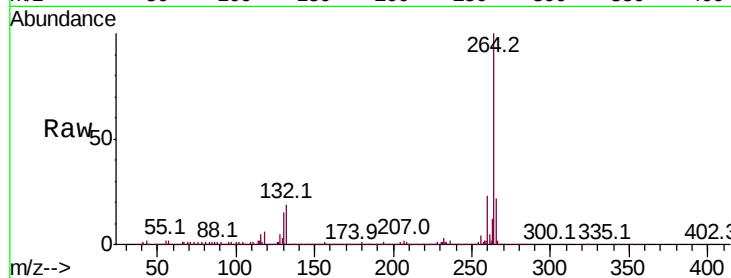




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

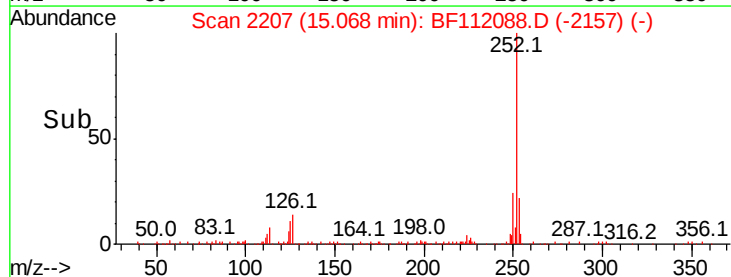
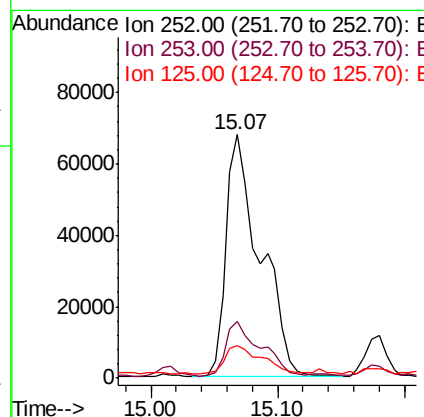
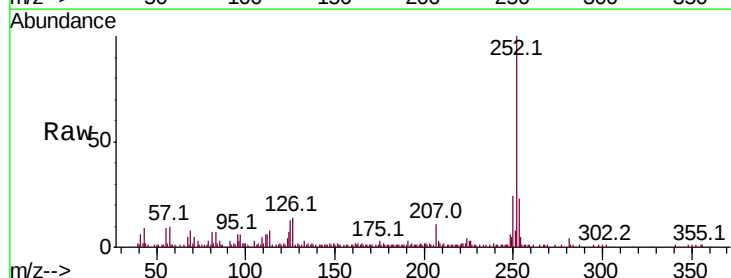
Instrument :
BNA_F
ClientSampleId :
D-10

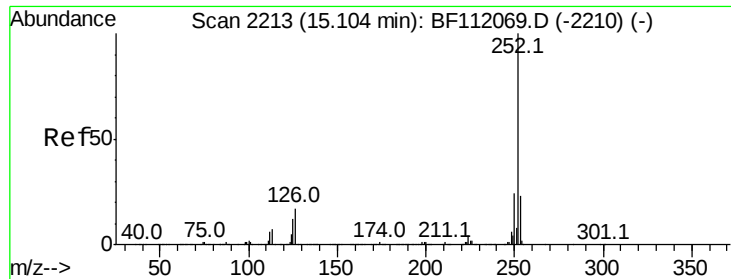
Tot Ion:264 Resp: 614172
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 21.6 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 3.678 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112088.D
Acq: 17 Jan 2019 14:44

Tgt Ion:252 Resp: 128228
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 13.1 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 3.800 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.04 min

Lab File: BF112088.D

Acq: 17 Jan 2019 14:44

Instrument :

BNA_F

ClientSampleId :

D-10

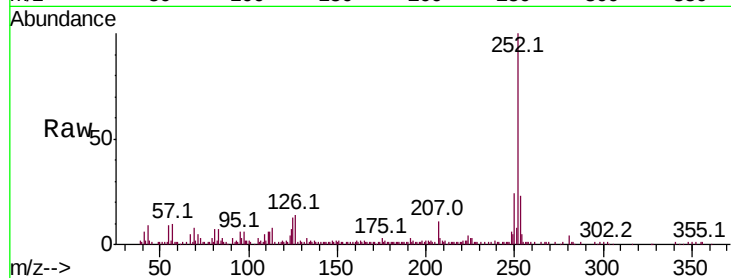
Tot Ion:252 Resp: 128228

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 13.1 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

