

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112089.D
 Acq On : 17 Jan 2019 15:11
 Operator : JU/SJ
 Sample : K1167-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-9

Quant Time: Jan 18 00:07:53 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	330716	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1211592	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	567562	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	949869	20.00	ng	0.00
76) Chrysene-d12	14.03	240	768571	20.00	ng	0.00
87) Perylene-d12	15.50	264	679489	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2281083	125.19	ng	0.01
7) Phenol-d6	6.51	99	2935071	128.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	1808899	103.15	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	801309	130.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3147877	81.32	ng	0.00
79) Terphenyl-d14	12.97	244	2854810	79.02	ng	0.00

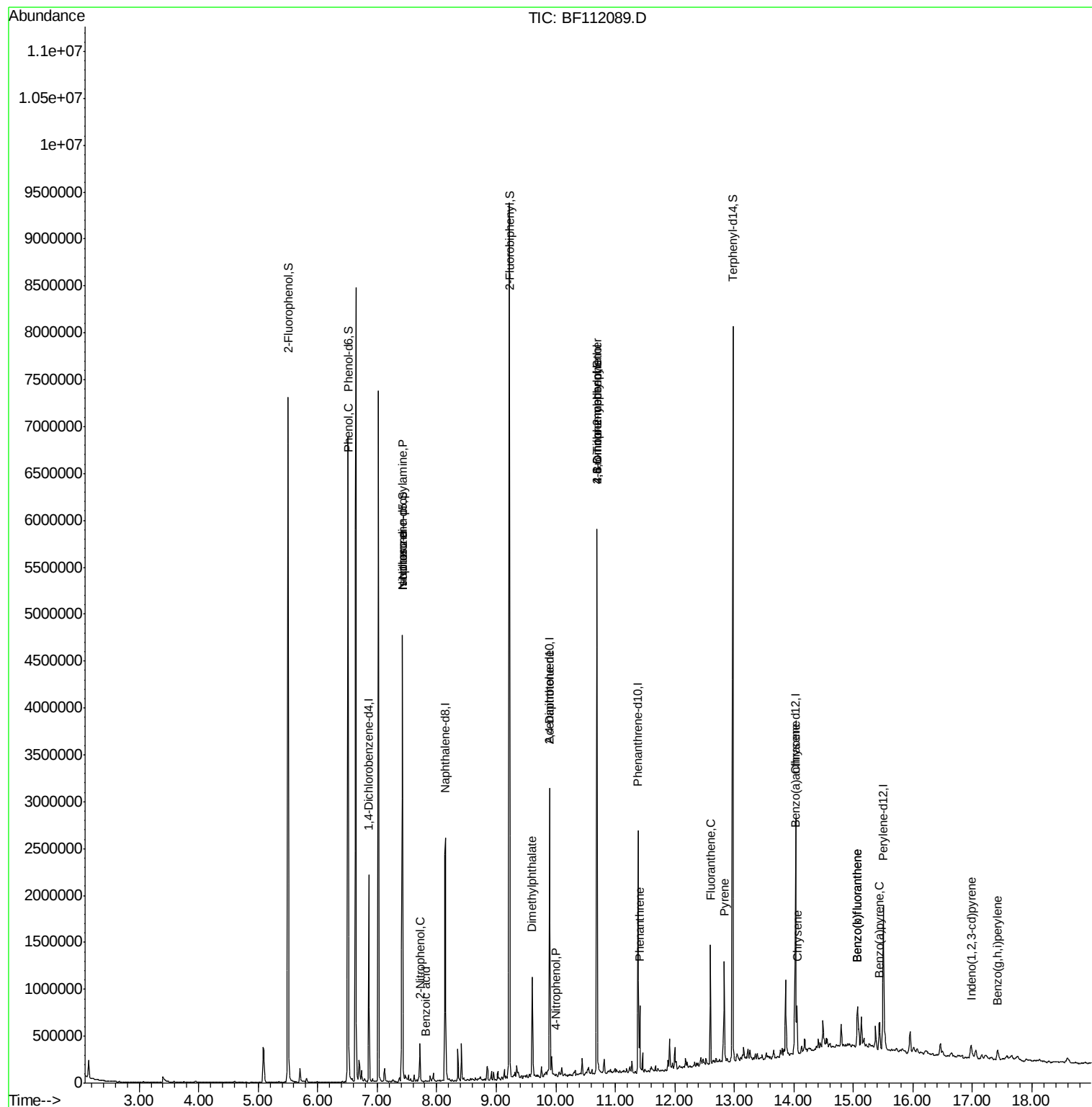
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	2096	Below Cal		# 80
10) Phenol	6.52	94	197828	7.940	ng	# 74
19) n-Nitroso-di-n-propylamine	7.42	70	251046	18.076	ng	# 80
25) Isophorone	7.43	82	1808887	53.403	ng	# 64
26) 2-Nitrophenol	7.72	139	934	5.767	ng	# 1
32) Benzoic acid	7.82	122	853	7.298	ng	87
50) Dimethylphthalate	9.60	163	422061	10.197	ng	100
56) 4-Nitrophenol	10.00	139	819	5.770	ng	# 1
57) 2,4-Dinitrotoluene	9.90	165	75721	11.037	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1801	10.429	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	46297	4.196	ng	# 1
71) Phenanthrene	11.41	178	259240	5.423	ng	97
75) Fluoranthene	12.60	202	456036	9.035	ng	99
78) Pyrene	12.83	202	418333	8.250	ng	98
81) Benzo(a)anthracene	14.02	228	200044	4.539	ng	99
83) Chrysene	14.05	228	179446	4.303	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	87408	2.272	ng	95
88) Benzo(b)fluoranthene	15.07	252	307415	7.970	ng	98
89) Benzo(k)fluoranthene	15.07	252	307415	8.235	ng	98
90) Benzo(a)pyrene	15.44	252	148926	4.210	ng	99
92) Benzo(a,h,i)perylene	17.42	276	85561	2.764	ng	97

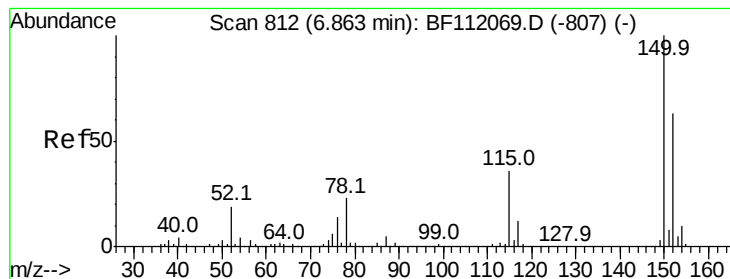
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112089.D
Acq On : 17 Jan 2019 15:11
Operator : JU/SJ
Sample : K1167-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
D-9

Quant Time: Jan 18 00:07:53 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



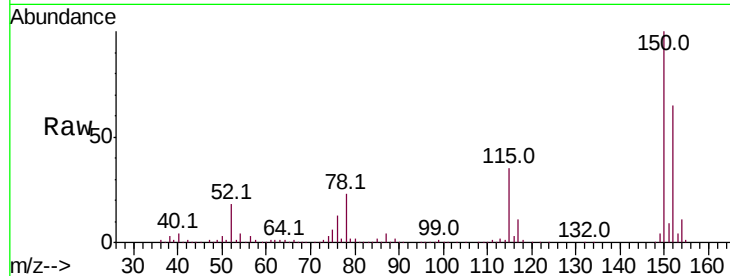


#1

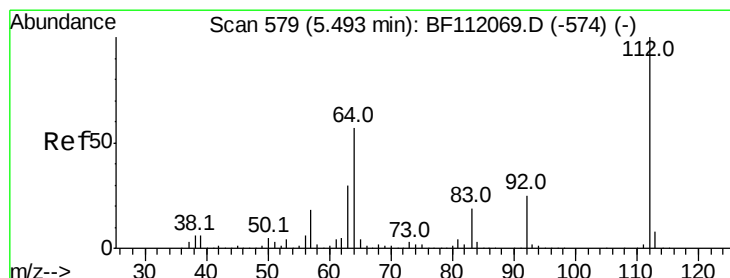
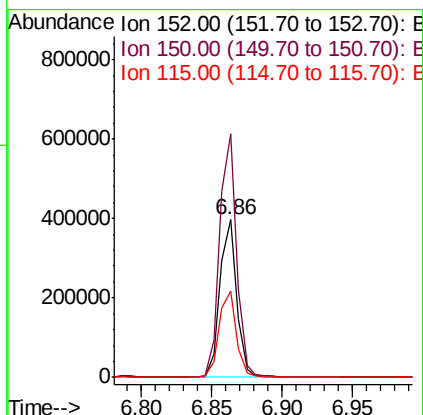
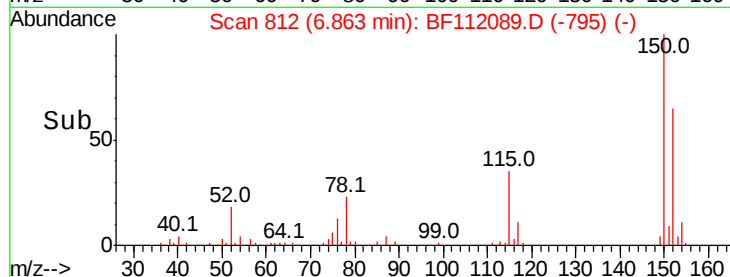
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampleId :
D-9

Tot Ion:152 Resp: 330716
Ion Ratio Lower Upper
152 100
150 154.7 127.4 191.0
115 54.6 45.5 68.3



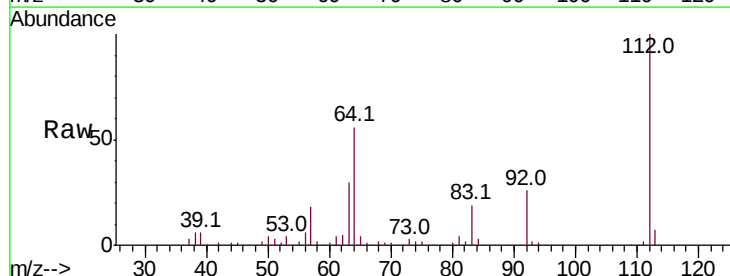
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



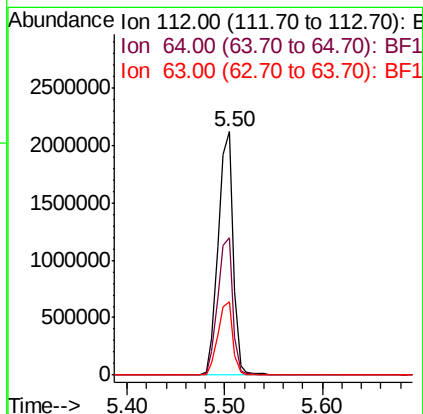
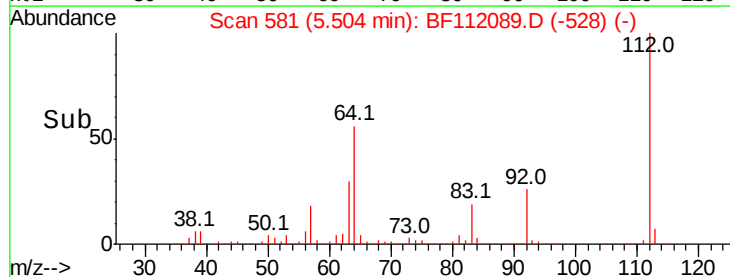
#5

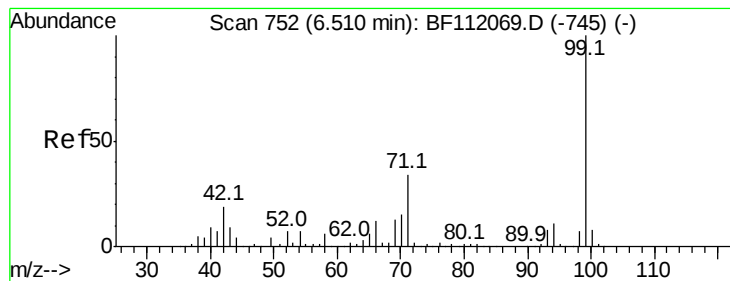
2-Fluorophenol
Concen: 125.191 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:112 Resp: 2281083
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 30.3 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: 128.747 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampleId :

D-9

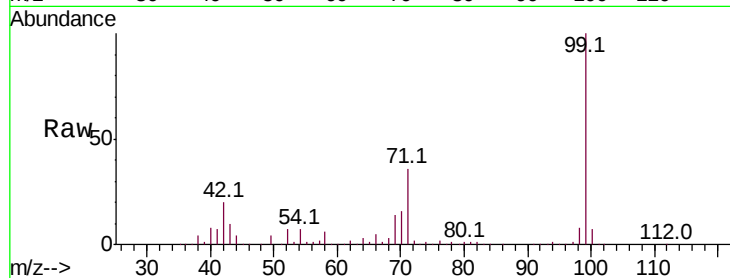
Tot Ion: 99 Resp: 2935071

Ion Ratio Lower Upper

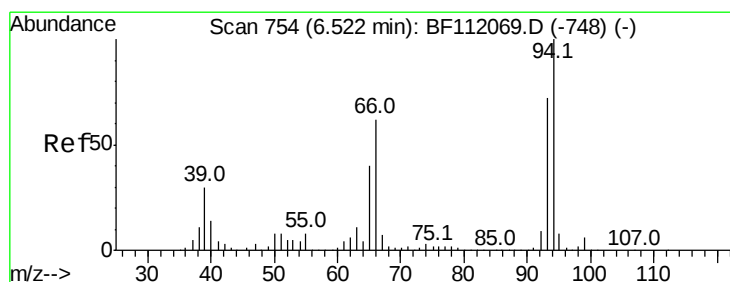
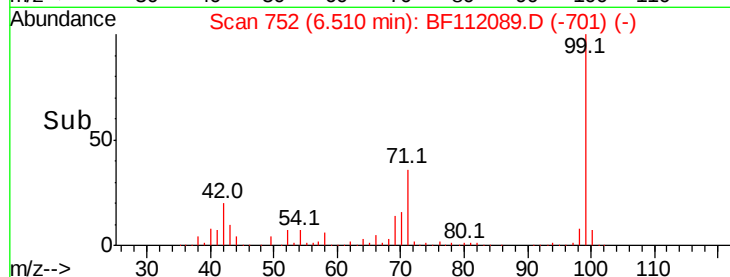
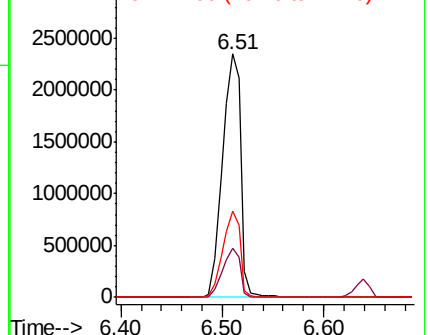
99 100

42 20.4 15.1 22.7

71 35.6 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: 7.940 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

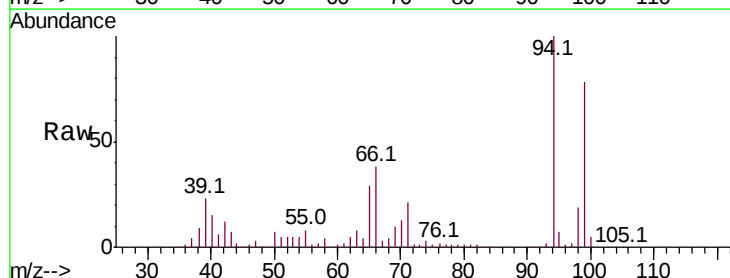
Tgt Ion: 94 Resp: 197828

Ion Ratio Lower Upper

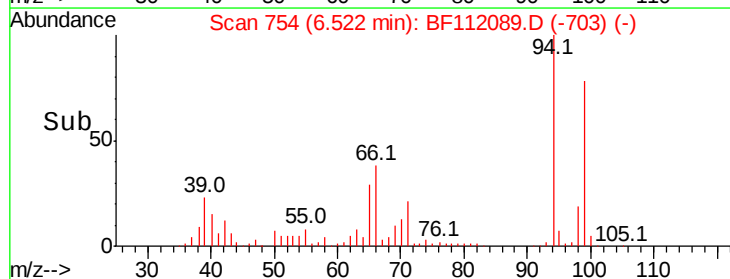
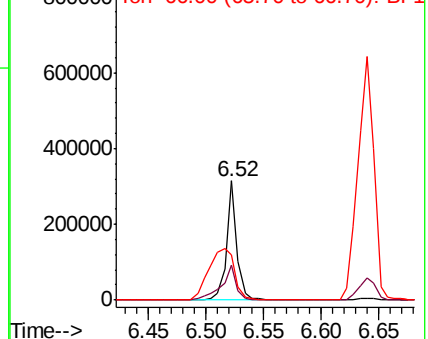
94 100

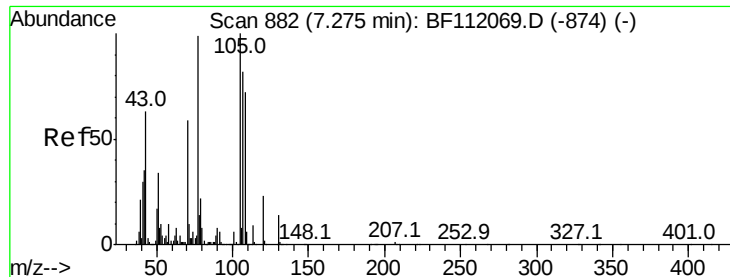
65 28.8 20.3 60.3

66 38.2 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

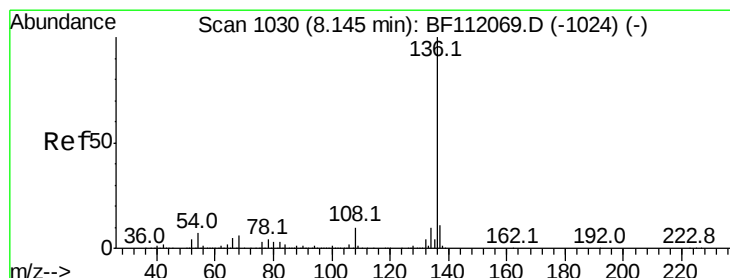
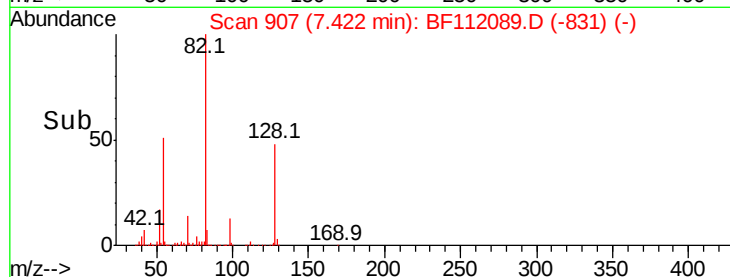
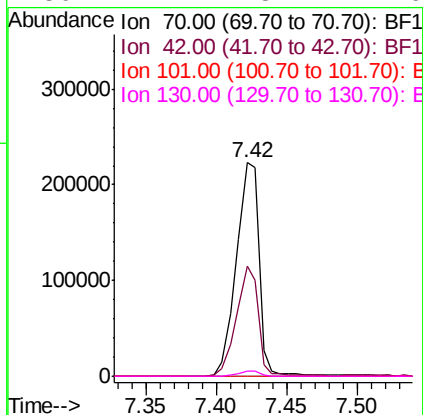
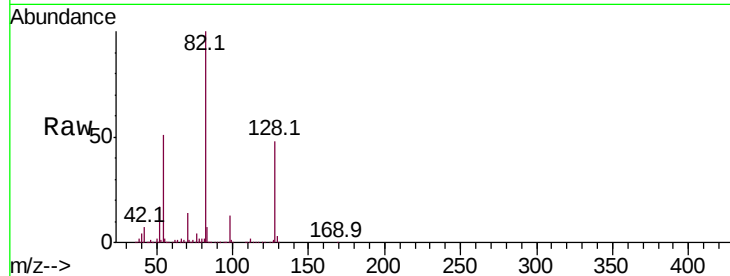




#19
n-Nitroso-di-n-propylamine
Concen: 18.076 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

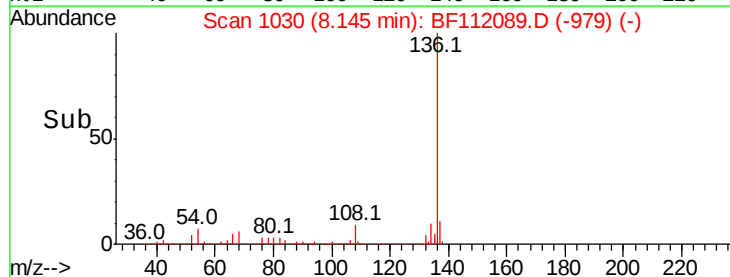
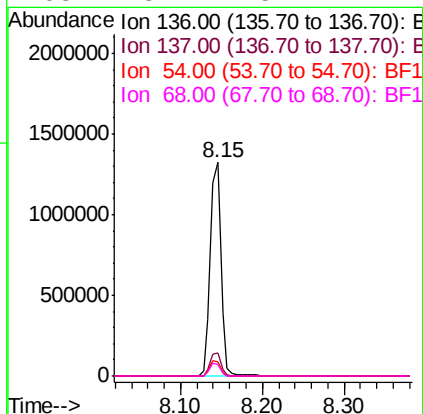
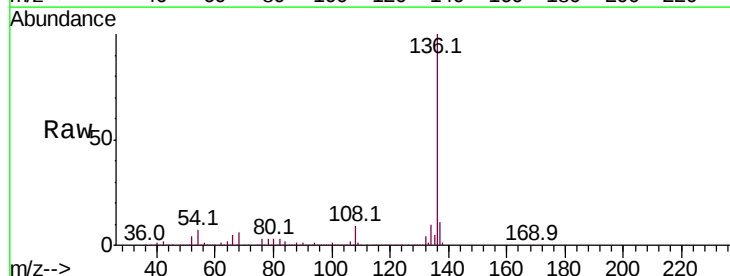
Instrument :
BNA_F
ClientSampleId :
D-9

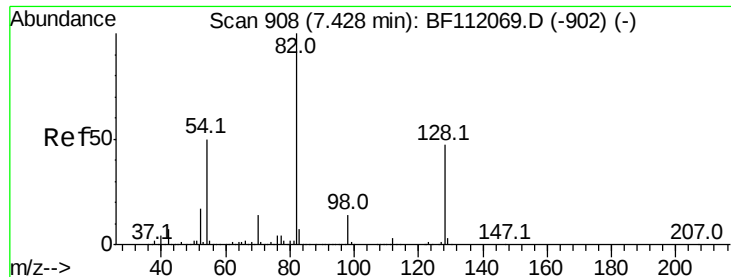
Tot Ion: 70 Resp: 251046
Ion Ratio Lower Upper
70 100
42 51.4 47.6 71.4
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion: 136 Resp: 1211592
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.8 5.9 8.9
68 5.7 5.1 7.7

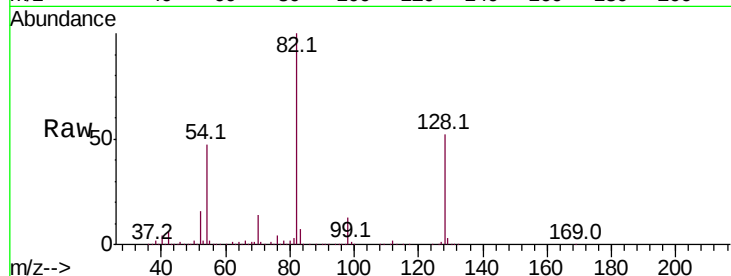




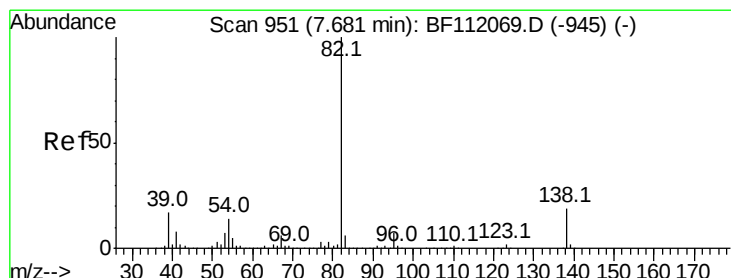
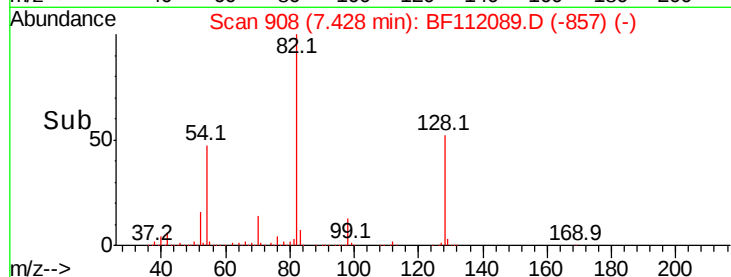
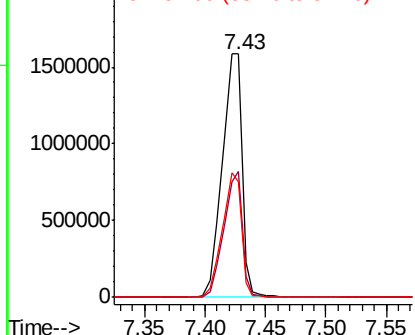
#23
 Nitrobenzene-d5
 Concen: 103.149 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Instrument :
 BNA_F
 ClientSampled :
 D-9

Tot Ion: 82 Resp: 1808899
 Ion Ratio Lower Upper
 82 100
 128 51.6 37.8 56.8
 54 47.4 39.7 59.5

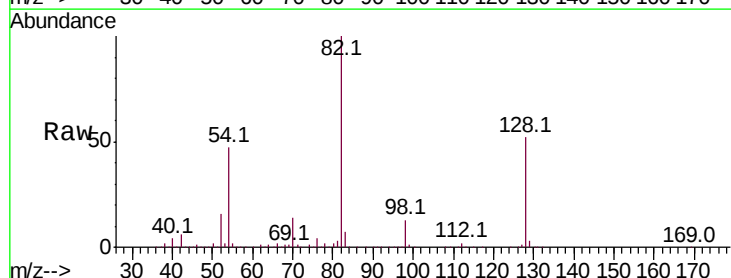


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

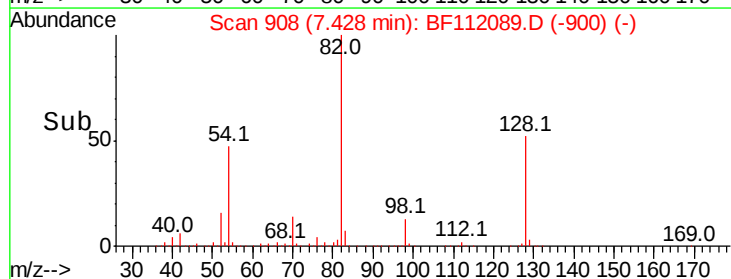
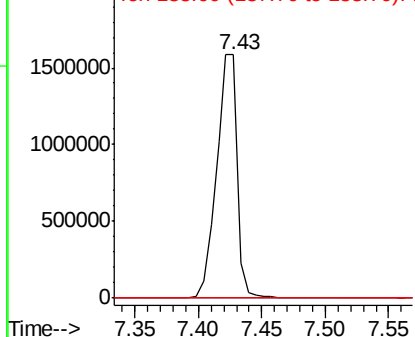


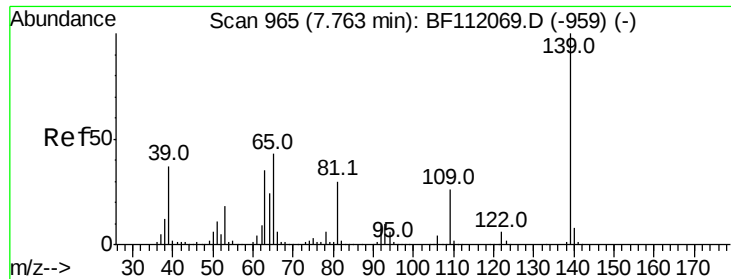
#25
 Isophorone
 Concen: 53.403 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.25 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Tgt Ion: 82 Resp: 1808887
 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

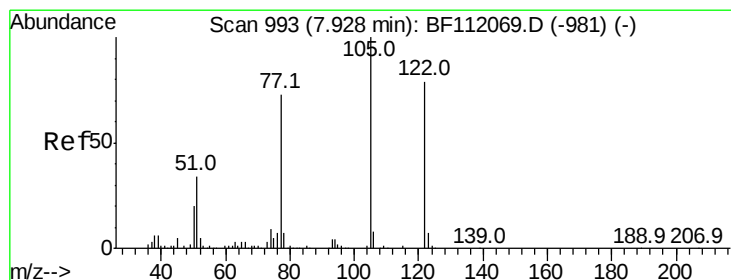
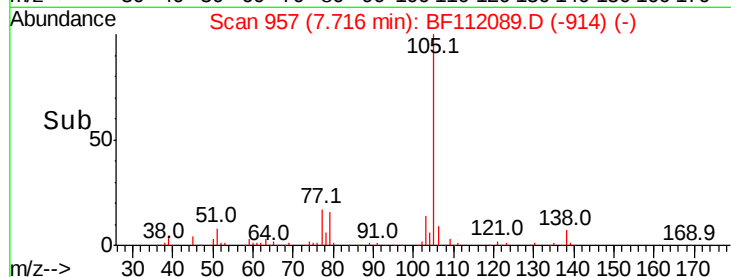
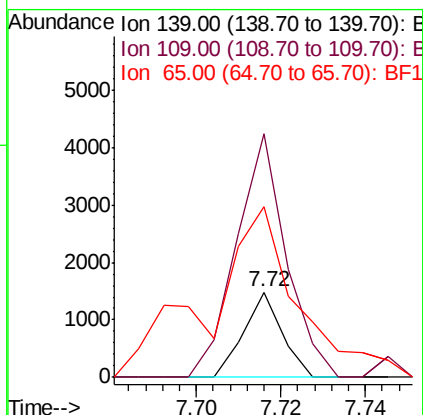
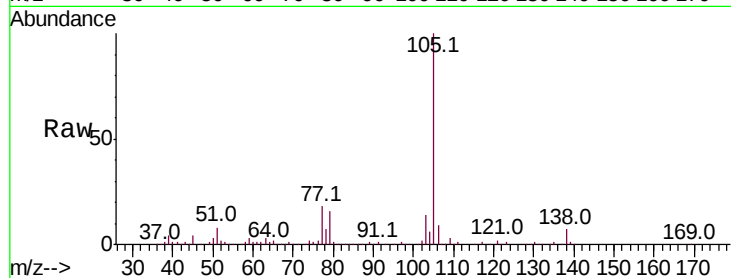




#26
2-Nitrophenol
Concen: 5.767 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.05 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

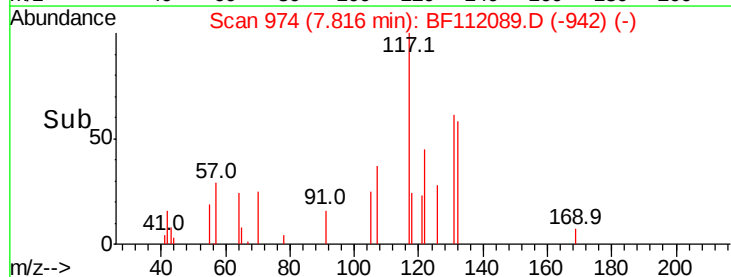
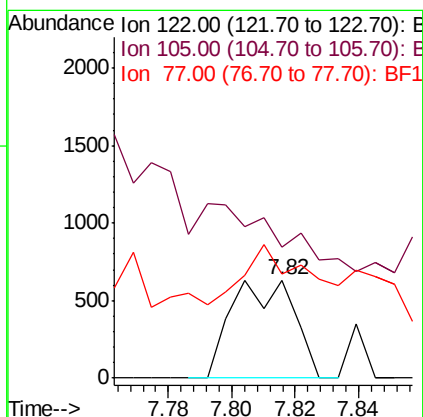
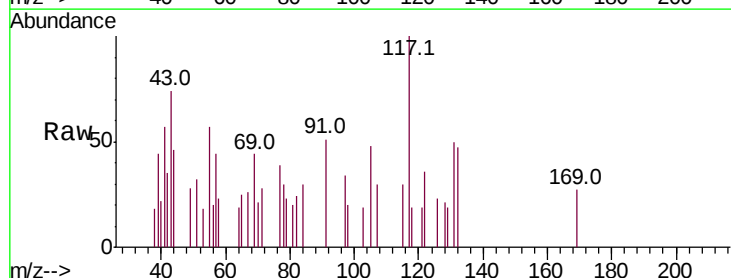
Instrument :
BNA_F
ClientSampled :
D-9

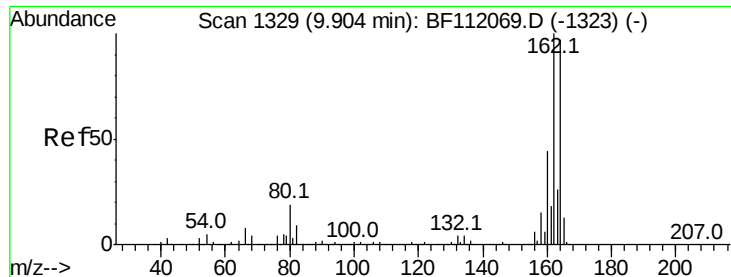
Tot Ion	Ratio	Lower	Upper
139	100		
109	284.9	20.8	31.2#
65	200.1	34.4	51.6#



#32
Benzoic acid
Concen: 7.298 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.11 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
122	100		
105	133.2	101.2	141.2
77	106.3	70.4	110.4

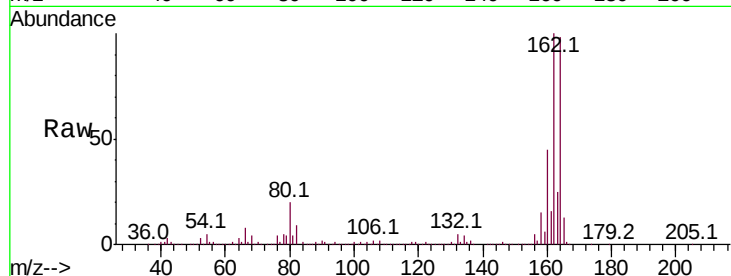




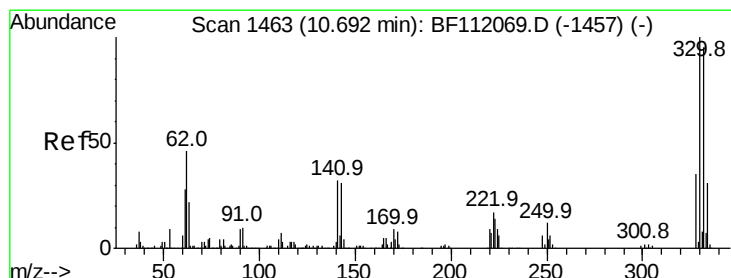
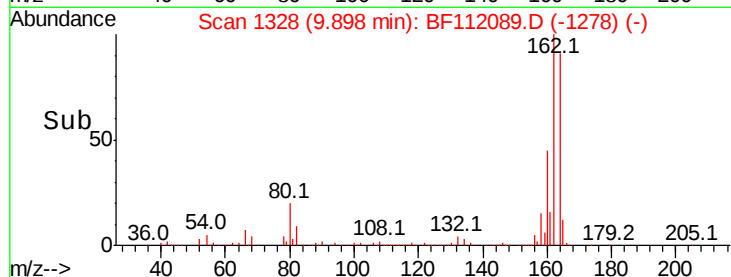
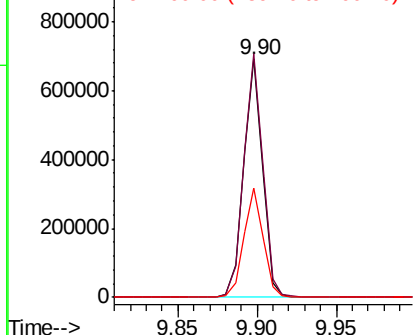
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampleId :
D-9

Tot Ion:164 Resp: 567562
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.4
160 45.7 36.2 54.4

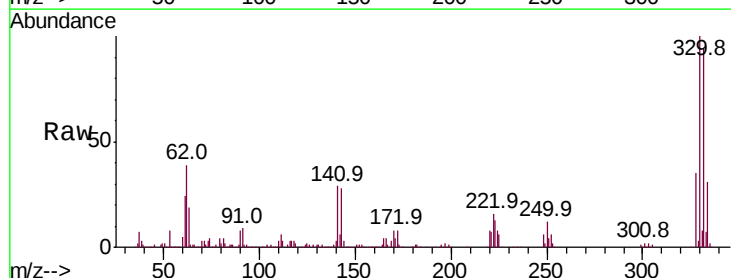


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

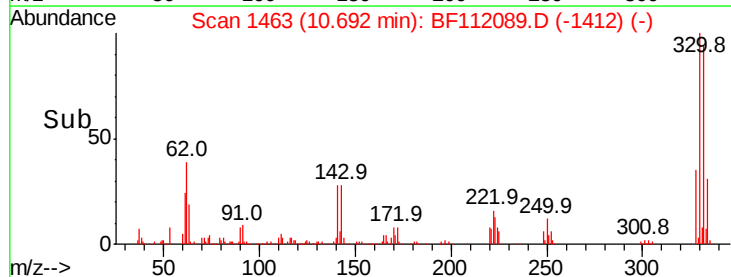
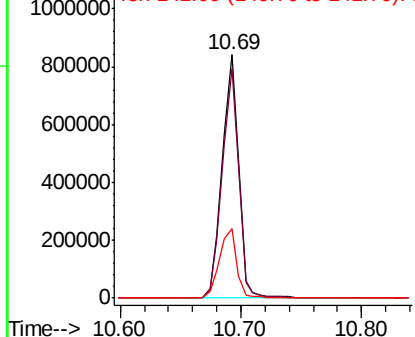


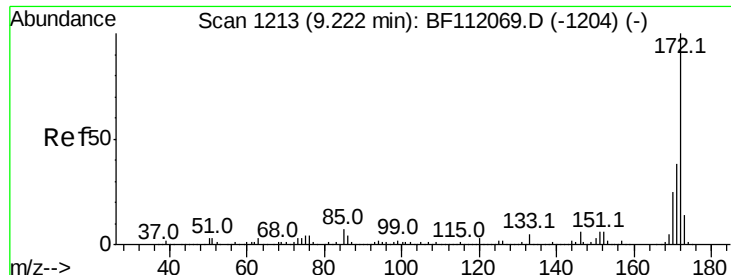
#42
2,4,6-Tribromophenol
Concen: 130.874 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:330 Resp: 801309
Ion Ratio Lower Upper
330 100
332 94.7 76.6 114.8
141 29.5 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



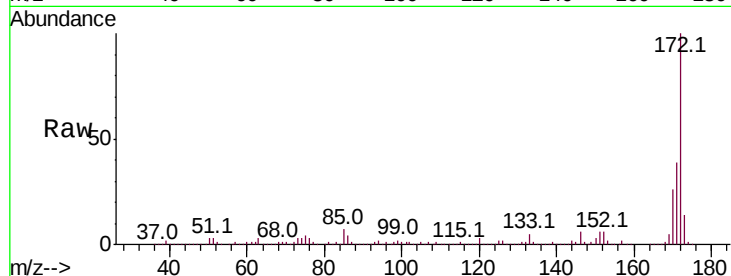


#45
2-Fluorobiphenyl
Concen: 81.315 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

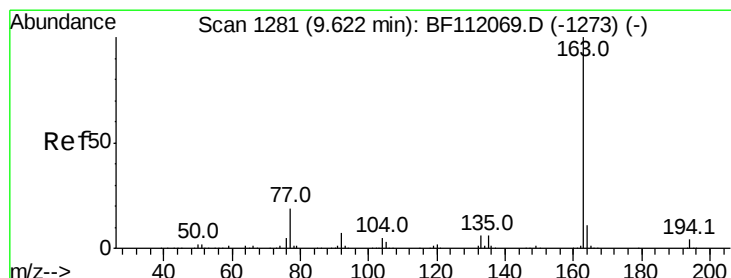
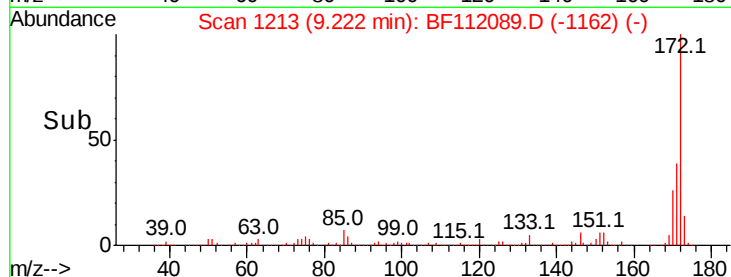
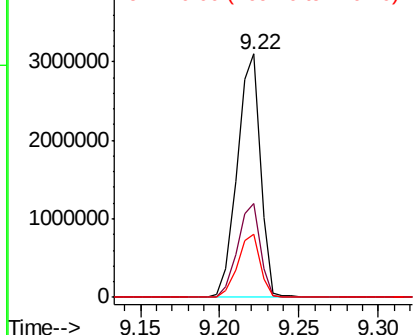
Instrument :
BNA_F
ClientSampleId :
D-9

Tot Ion:172 Resp: 3147877

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



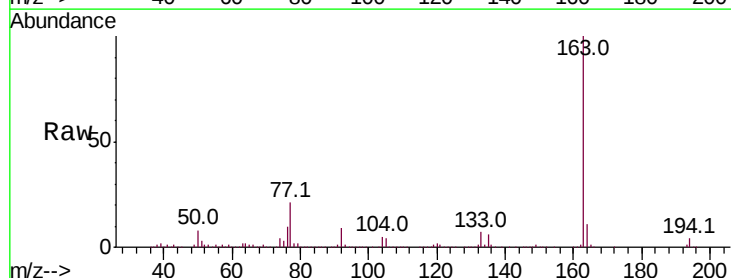
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



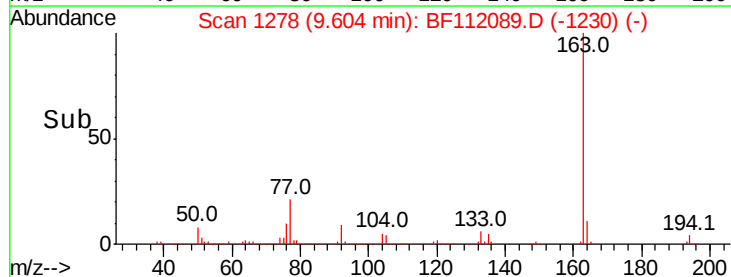
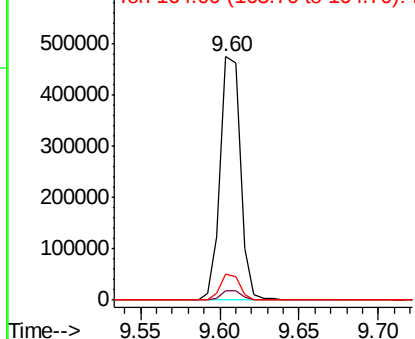
#50
Dimethylphthalate
Concen: 10.197 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

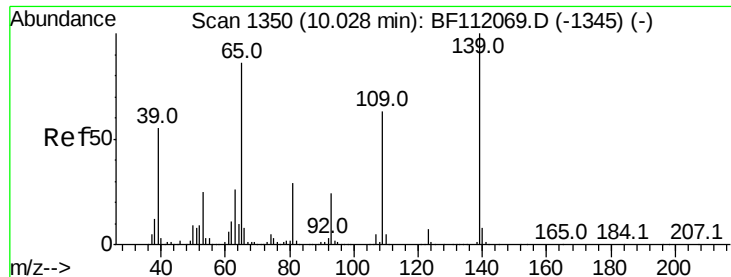
Tgt Ion:163 Resp: 422061

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.6	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

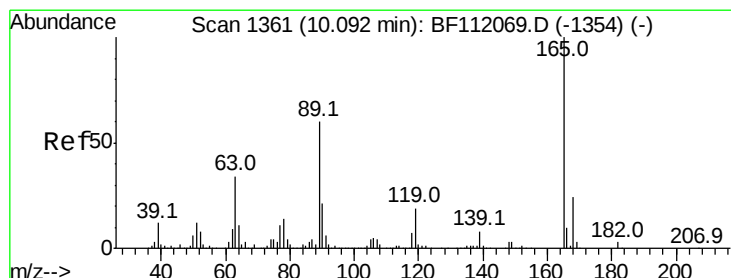
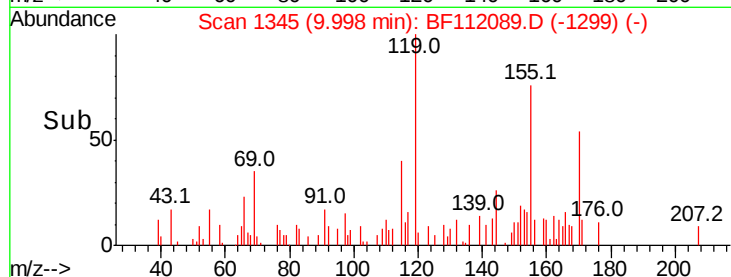
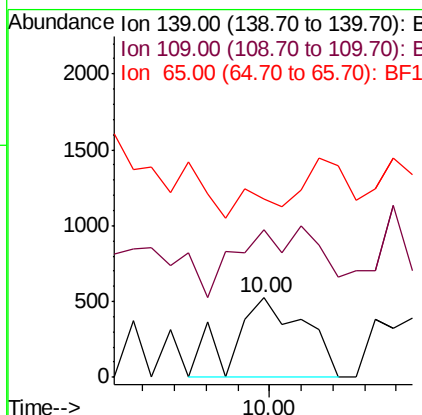
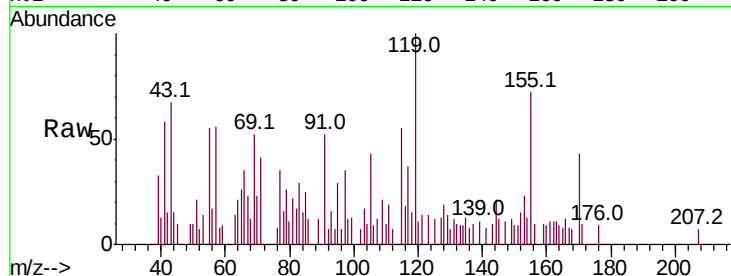




#56
4-Nitrophenol
Concen: 5.770 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.03 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

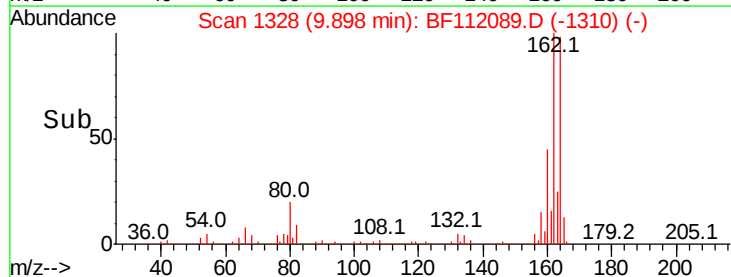
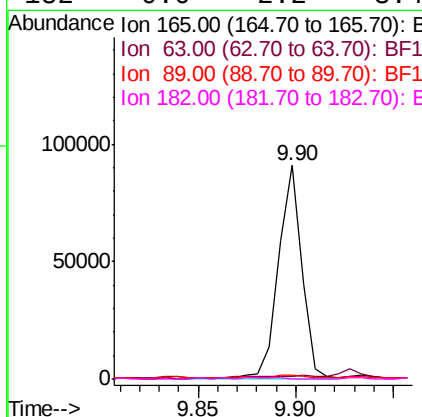
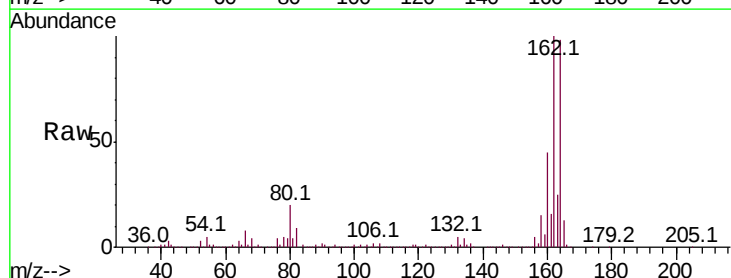
Instrument :
BNA_F
ClientSampleId :
D-9

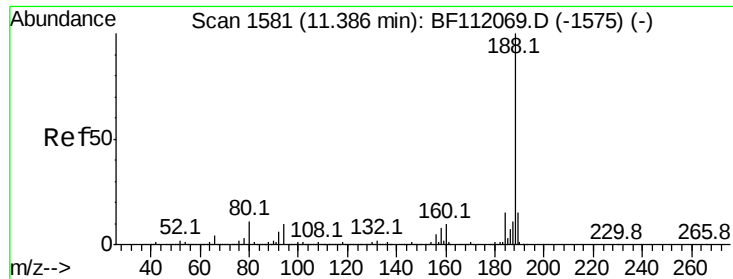
Tot Ion:139 Resp: 819
Ion Ratio Lower Upper
139 100
109 185.5 42.8 82.8#
65 224.6 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 11.037 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:165 Resp: 75721
Ion Ratio Lower Upper
165 100
63 1.4 27.9 41.9#
89 1.7 47.9 71.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampleId :

D-9

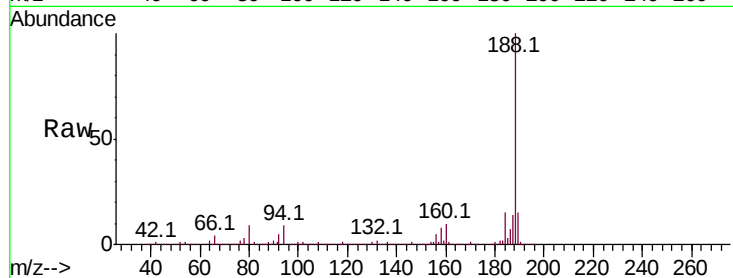
Tot Ion:188 Resp: 949869

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

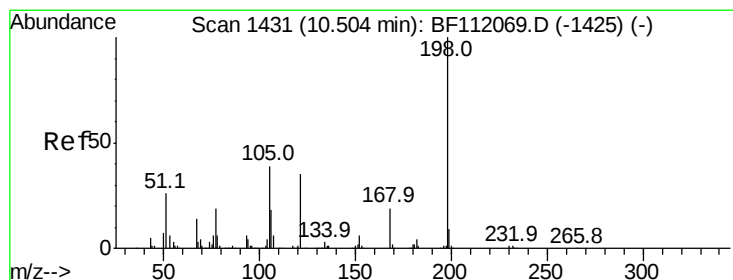
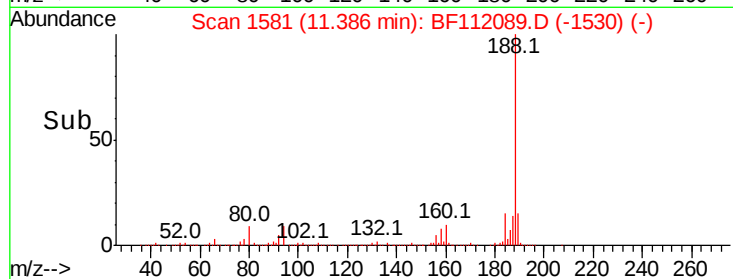
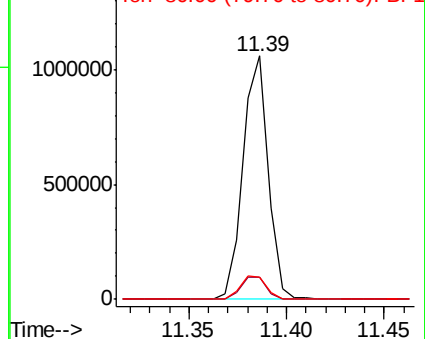
80 9.3 8.9 13.3



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: 10.429 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.19 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

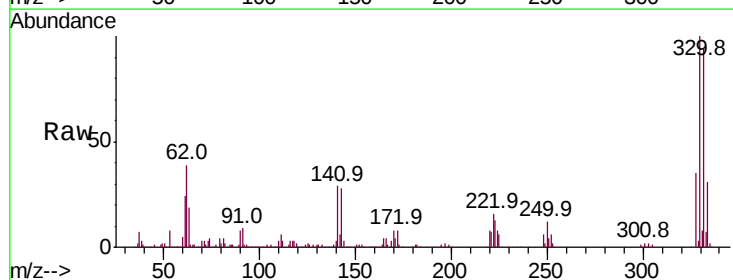
Tgt Ion:198 Resp: 1801

Ion Ratio Lower Upper

198 100

51 183.5 17.2 57.2#

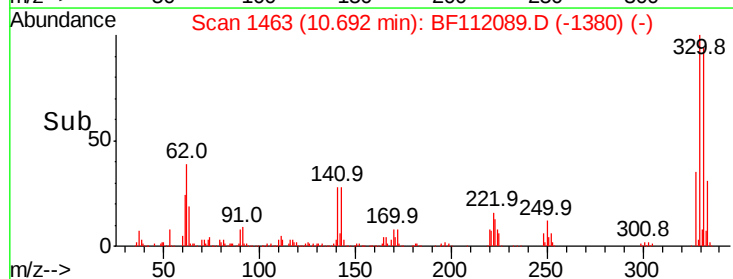
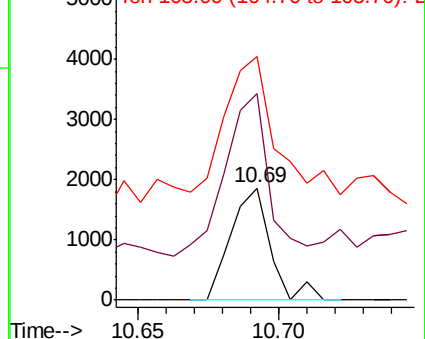
105 216.7 21.9 61.9#

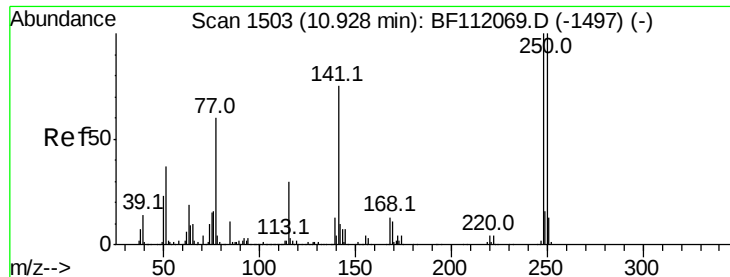


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

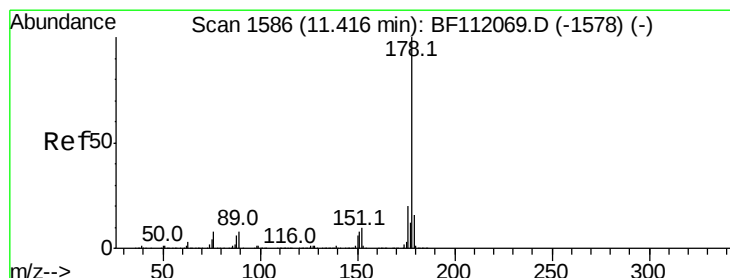
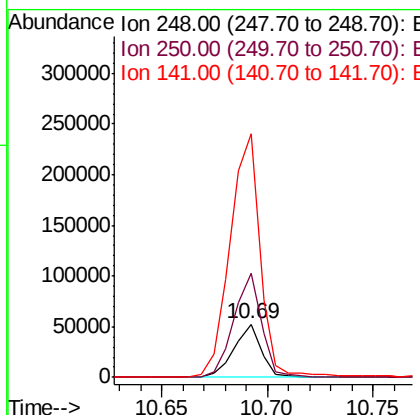
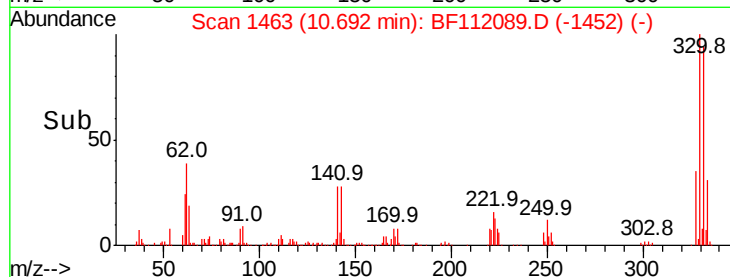
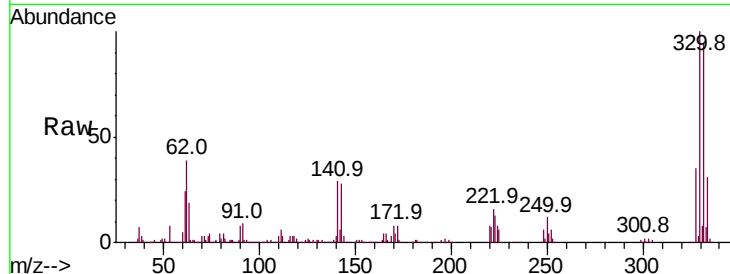




#67
4-Bromophenyl-phenylether
Concen: 4.196 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

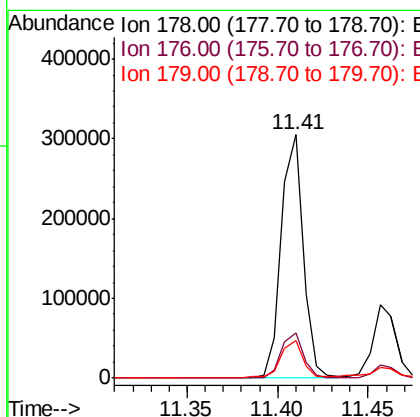
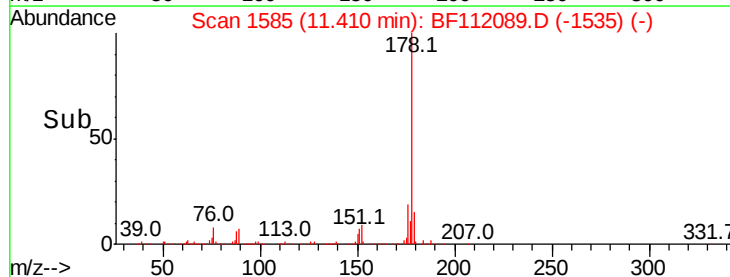
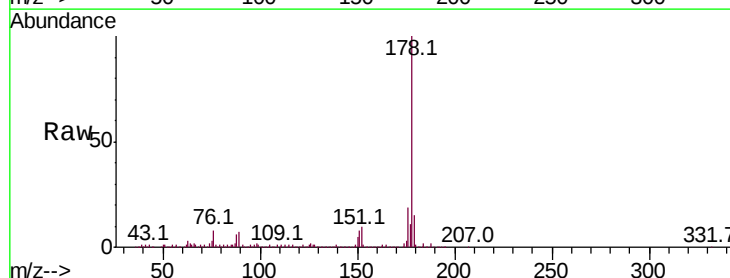
Instrument :
BNA_F
ClientSampleId :
D-9

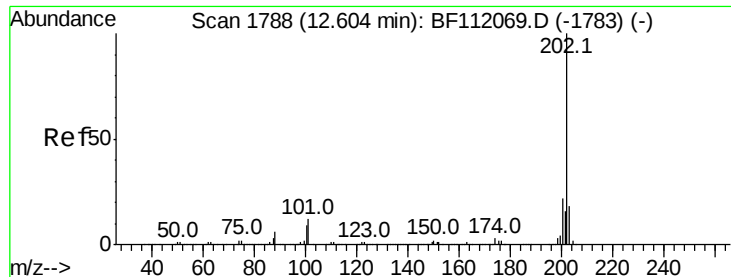
Tot Ion:248 Resp: 46297
Ion Ratio Lower Upper
248 100
250 196.2 79.7 119.5#
141 457.3 60.3 90.5#



#71
Phenanthrene
Concen: 5.423 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:178 Resp: 259240
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 15.5 13.0 19.4





#75

Fluoranthene

Concen: 9.035 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampleId :

D-9

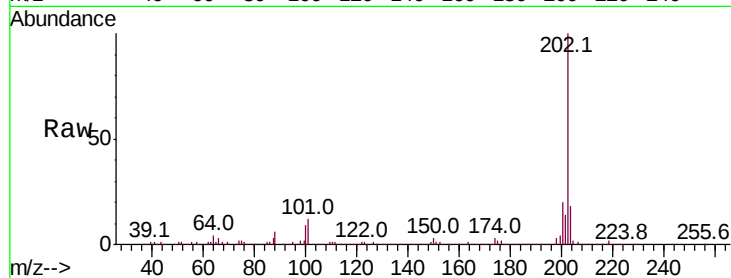
Tot Ion:202 Resp: 456036

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.8

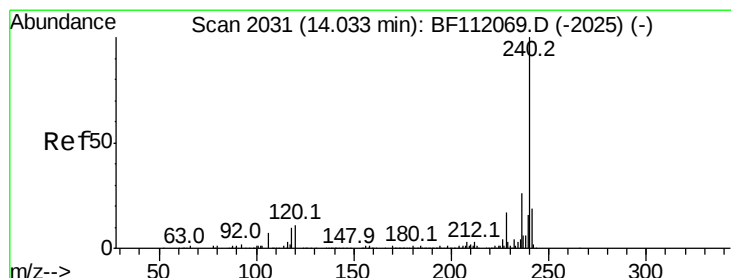
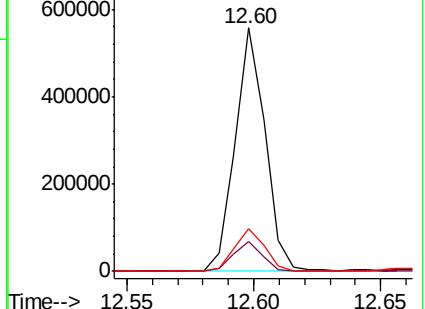
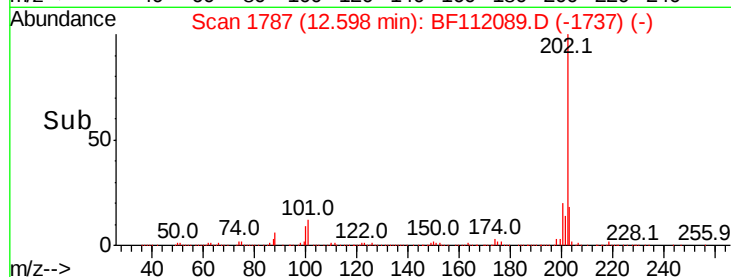
203 17.7 0.0 38.4



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: BF112089.D

Acq: 17 Jan 2019 15:11

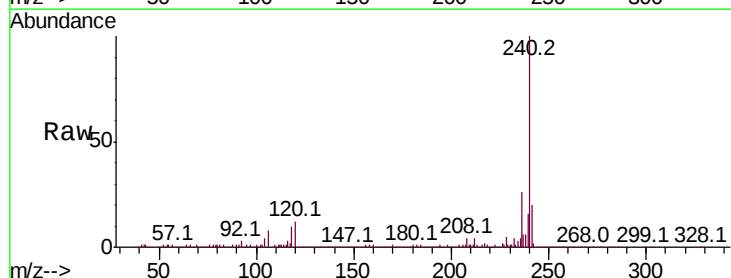
Tgt Ion:240 Resp: 768571

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.6

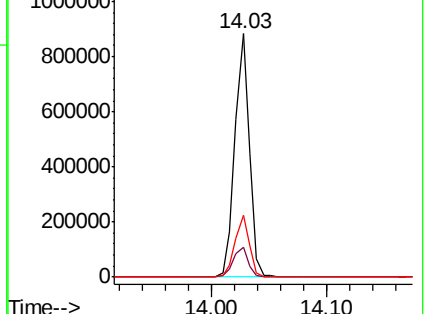
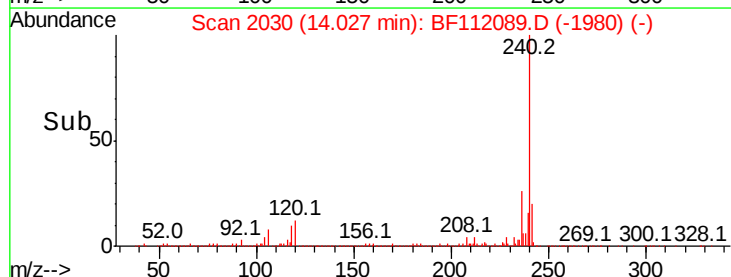
236 25.6 20.7 31.1

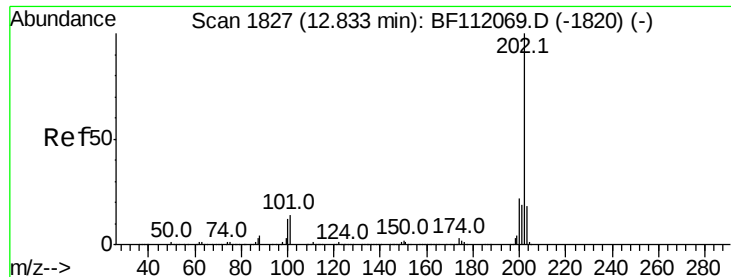


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

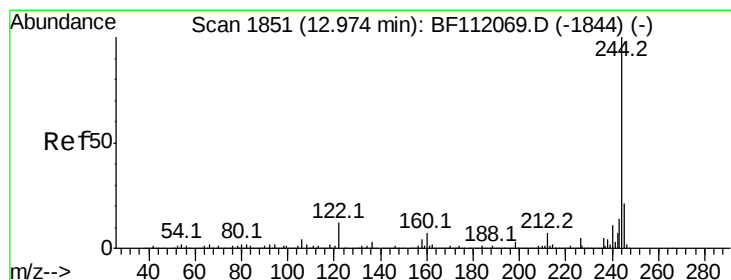
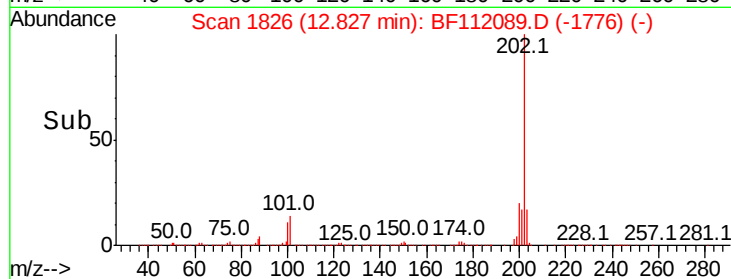
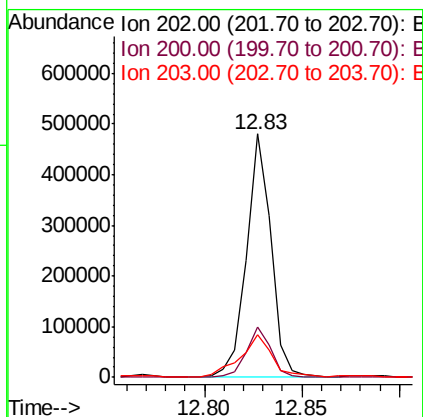
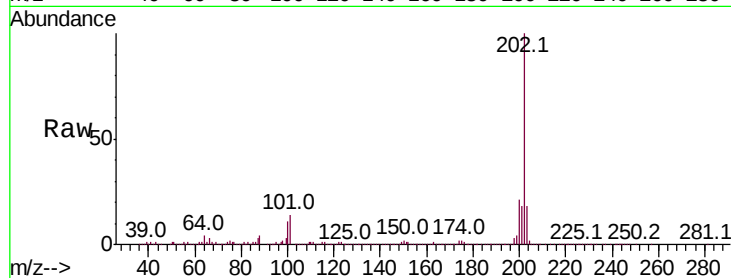




#78
Pvrene
Concen: 8.250 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

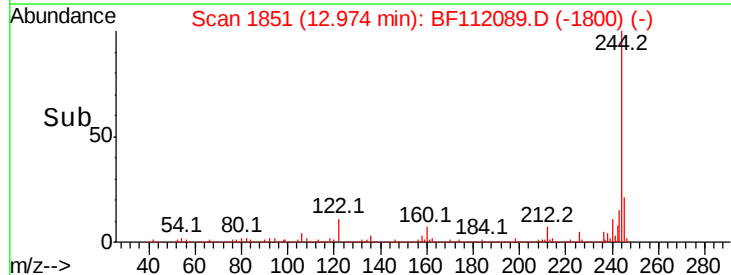
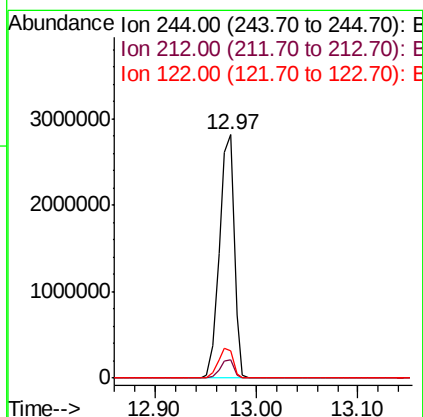
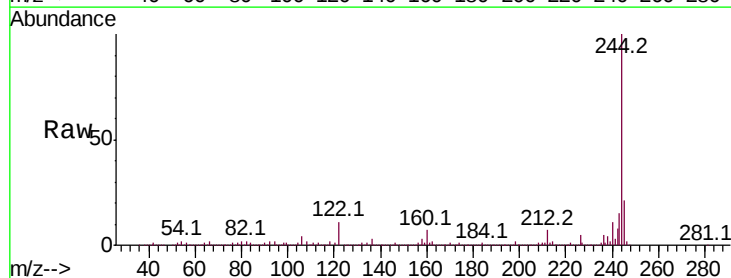
Instrument :
BNA_F
ClientSampleId :
D-9

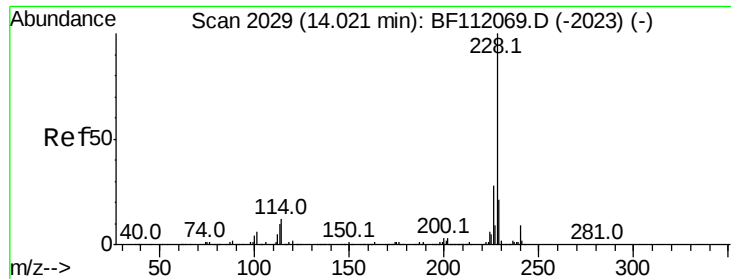
Tot Ion:202 Resp: 418333
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 17.8 14.6 22.0



#79
Terphenyl-d14
Concen: 79.020 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:244 Resp: 2854810
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 11.4 9.8 14.6

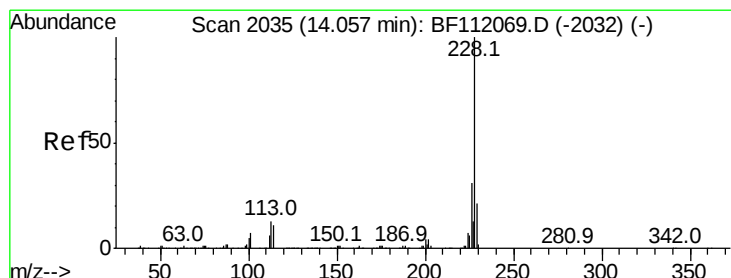
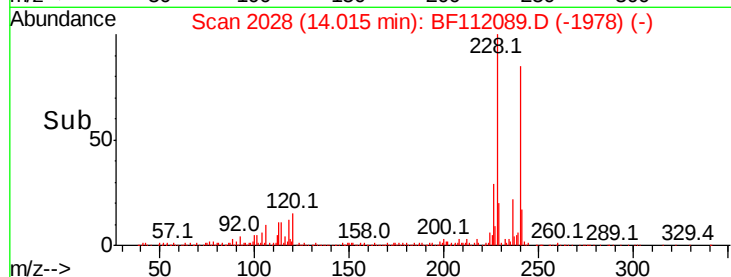
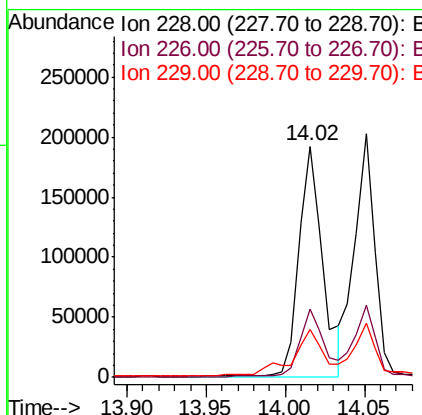
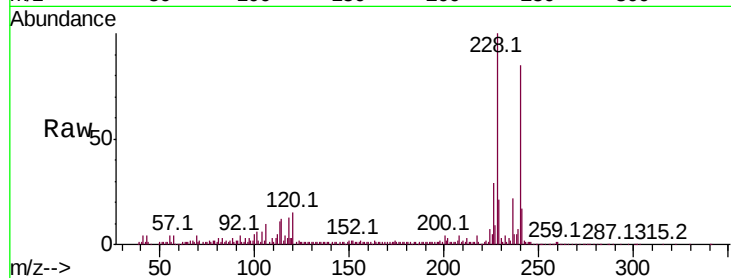




#81
Benzo(a)anthracene
Concen: 4.539 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

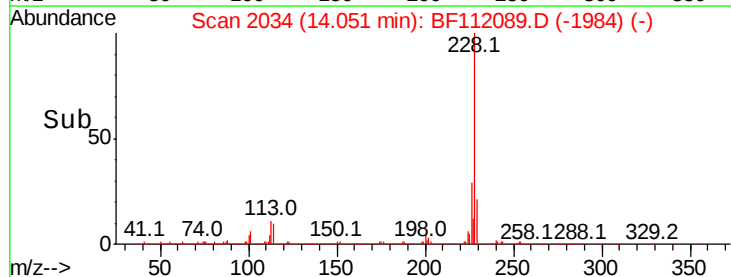
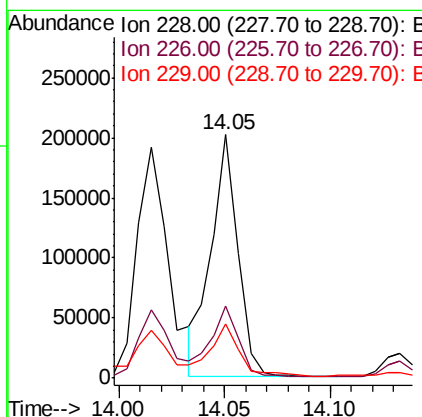
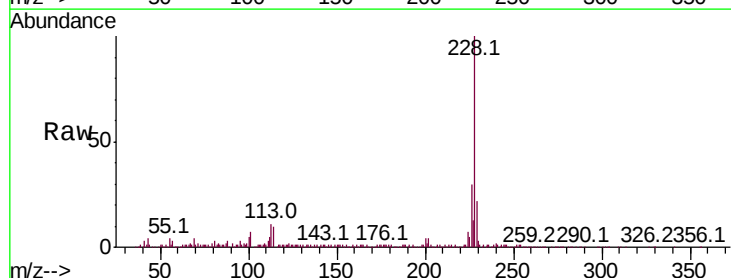
Instrument :
BNA_F
ClientSampleId :
D-9

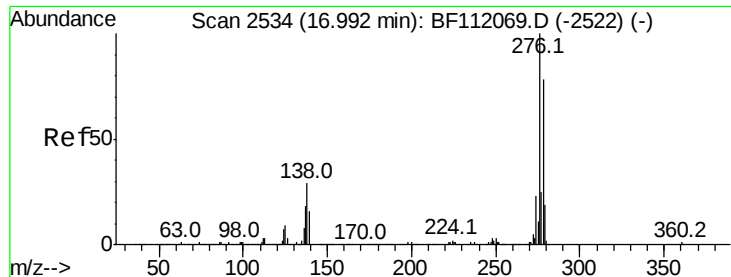
Tot Ion:228 Resp: 200044
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 20.8 16.5 24.7



#83
Chrysene
Concen: 4.303 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion:228 Resp: 179446
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.1 16.6 24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.272 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampleId :

D-9

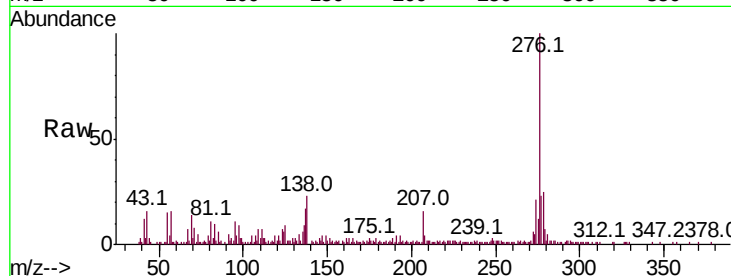
Tot Ion:276 Resp: 87408

Ion Ratio Lower Upper

276 100

138 24.6 22.6 34.0

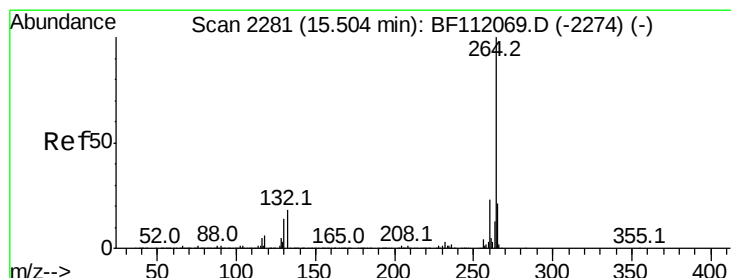
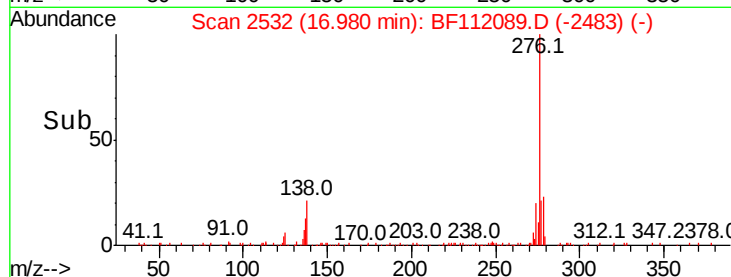
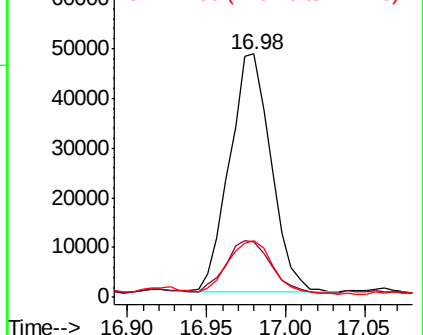
277 24.4 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

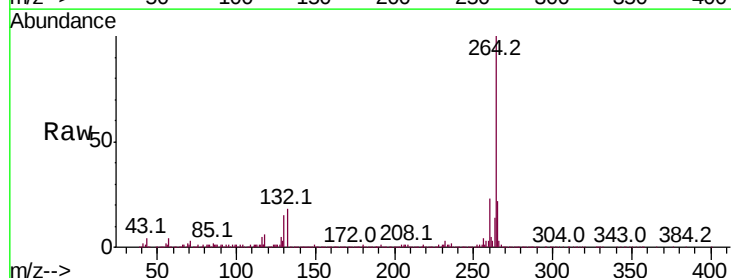
Tgt Ion:264 Resp: 679489

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

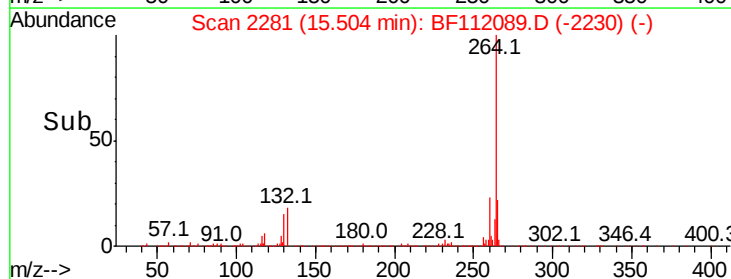
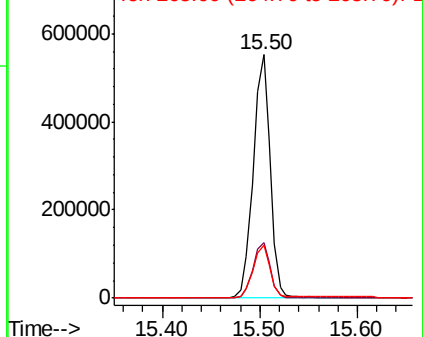
265 21.9 17.0 25.4

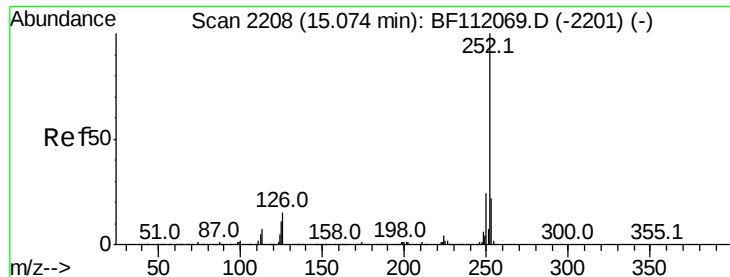


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

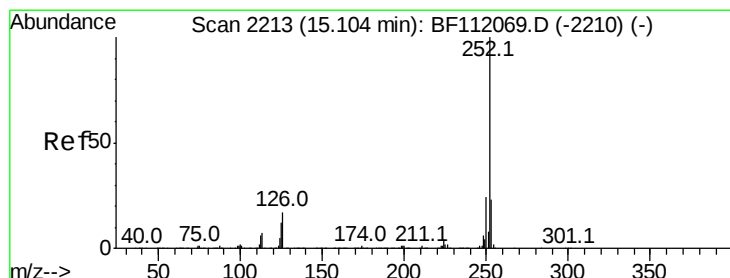
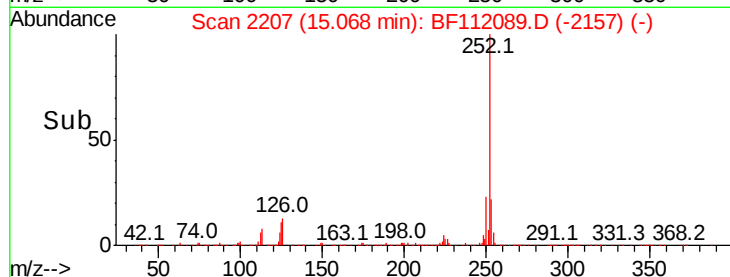
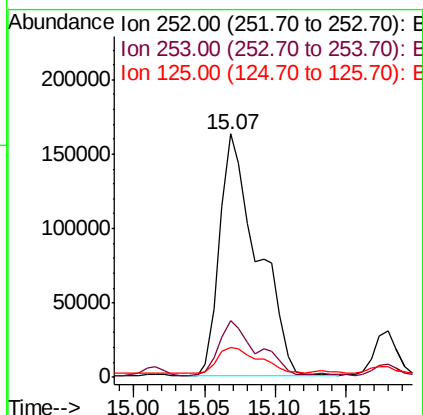
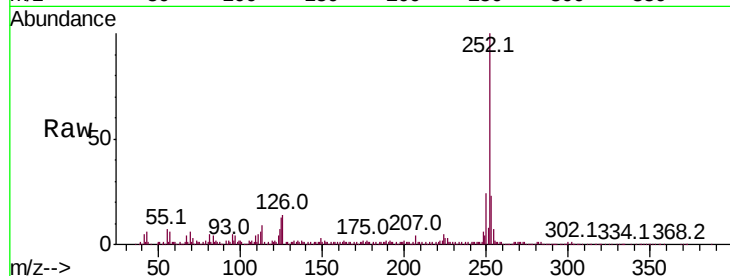




#88
Benzo(b)fluoranthene
Concen: 7.970 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

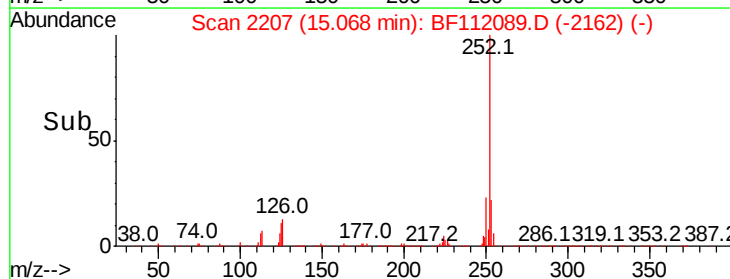
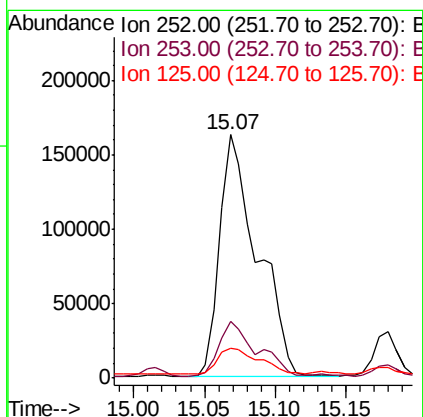
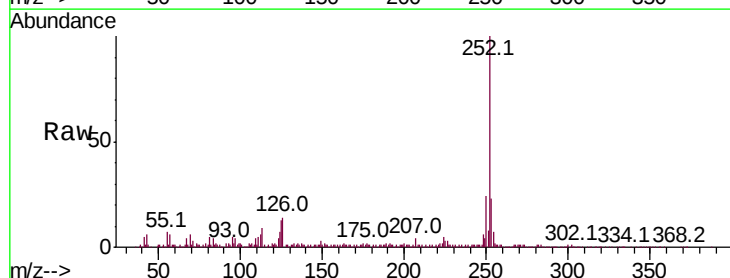
Instrument :
BNA_F
ClientSampleId :
D-9

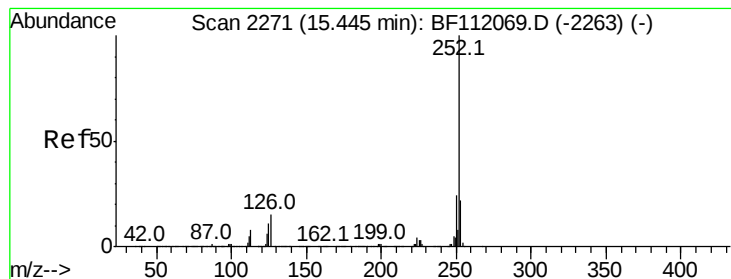
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.5	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 8.235 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.5	9.1	13.7





#90

Benzo(a)pyrene

Concen: 4.210 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampleId :

D-9

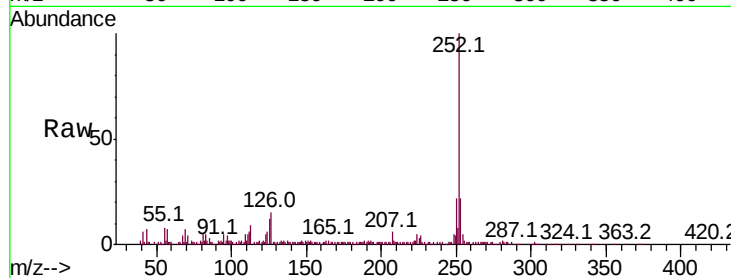
Tot Ion:252 Resp: 148926

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

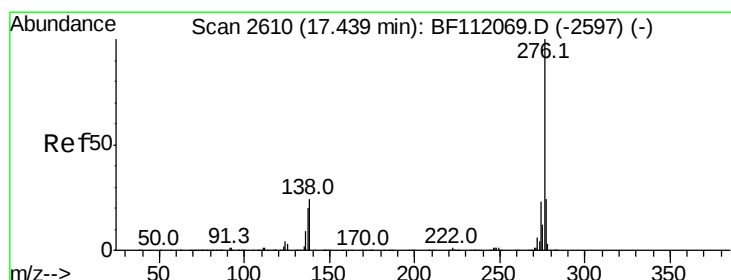
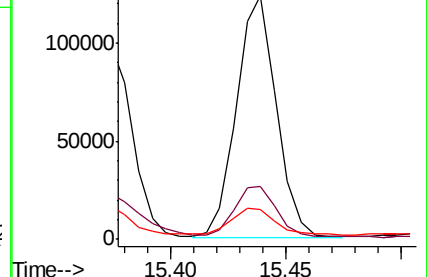
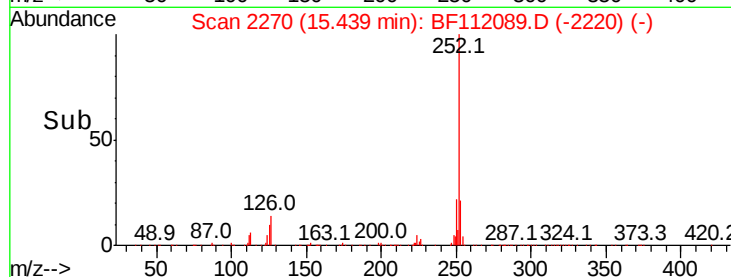
125 12.5 9.0 13.4



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: 2.764 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

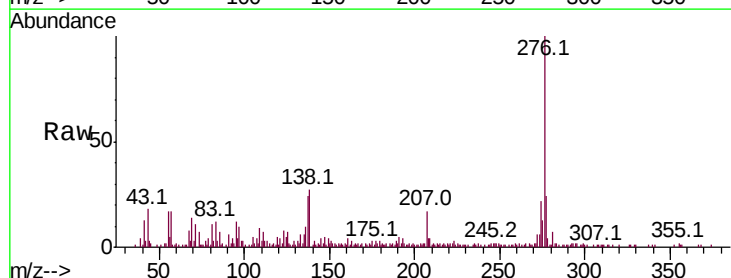
Tgt Ion:276 Resp: 85561

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 26.8 19.1 28.7



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

