

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112219.D
 Acq On : 24 Jan 2019 20:01
 Operator : JU/SJ
 Sample : K1223-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-S

Quant Time: Jan 25 00:04:55 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	6.86	152	211480	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	784582	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	281772	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	567078	20.00	ng	0.00
76) Chrysene-d12	14.03	240	425673	20.00	ng	0.00
87) Perylene-d12	15.51	264	310303	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	556504	47.76	ng	0.00
7) Phenol-d6	6.50	99	688456	47.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	397056	34.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	168756	55.52	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	593365	30.87	ng	0.00
79) Terphenyl-d14	12.96	244	602144	30.09	ng	0.00

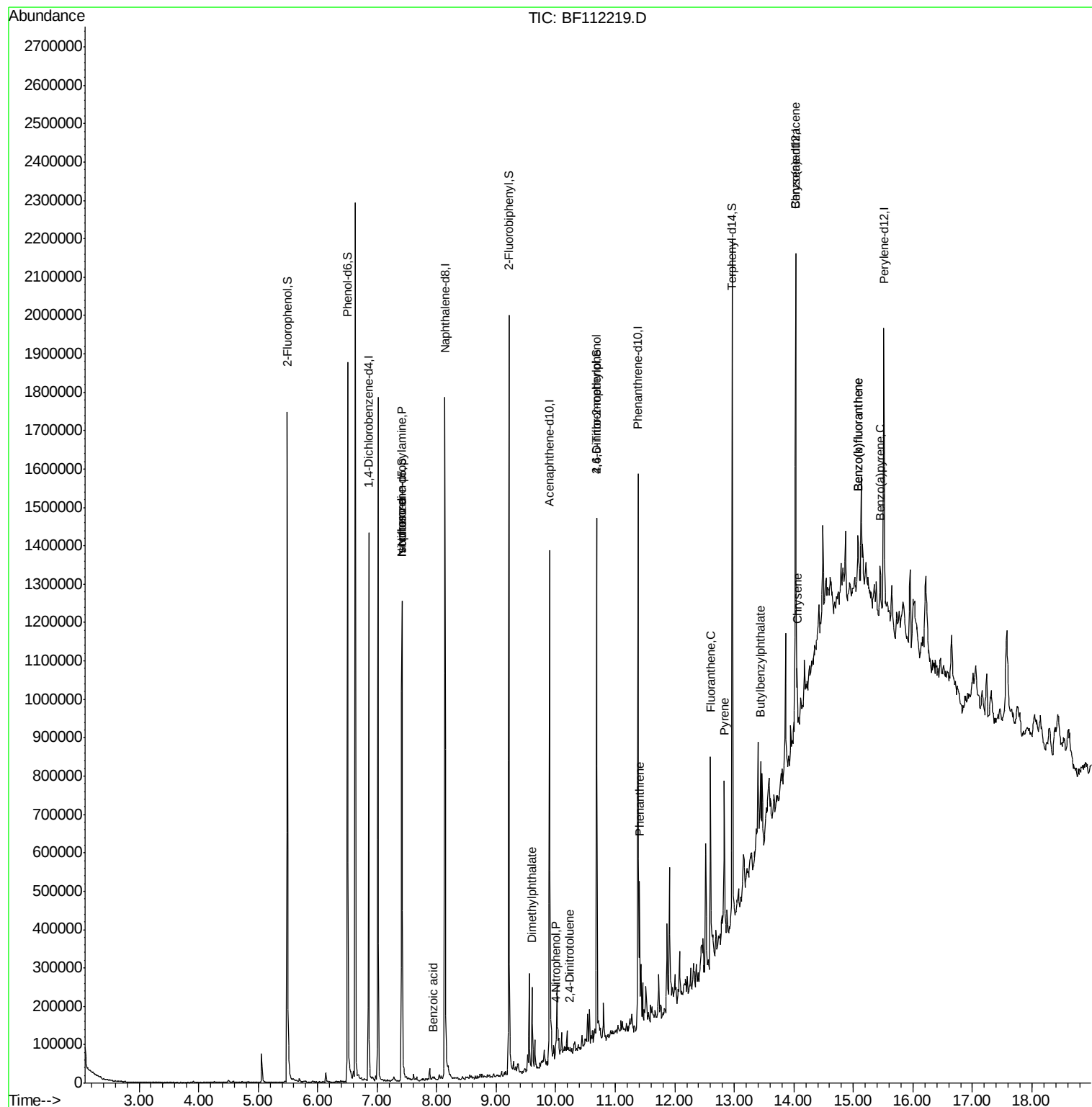
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	55709	6.273	ng	# 74
25) Isophorone	7.42	82	394992	18.008	ng	# 64
32) Benzoic acid	7.93	122	546	7.297	ng	# 36
50) Dimethylphthalate	9.60	163	67288	3.275	ng	99
56) 4-Nitrophenol	9.99	139	775	5.875	ng	# 1
57) 2,4-Dinitrotoluene	10.23	165	1647	4.864	ng	# 46
65) 4,6-Dinitro-2-methylphenol	10.69	198	455	10.222	ng	# 1
71) Phenanthrene	11.40	178	121771	4.267	ng	98
75) Fluoranthene	12.60	202	187036	6.207	ng	97
78) Pyrene	12.83	202	161373	5.746	ng	99
80) Butylbenzylphthalate	13.43	149	25849	2.098	ng	# 87
81) Benzo(a)anthracene	14.02	228	72424	2.967	ng	96
83) Chrysene	14.06	228	71134	3.080	ng	97
88) Benzo(b)fluoranthene	15.07	252	87835	4.987	ng	# 73
89) Benzo(k)fluoranthene	15.07	252	87835	5.152	ng	# 73
90) Benzo(a)pyrene	15.44	252	44134	2.732	ng	# 69

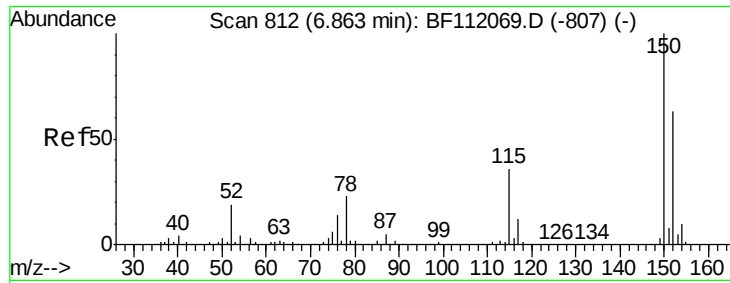
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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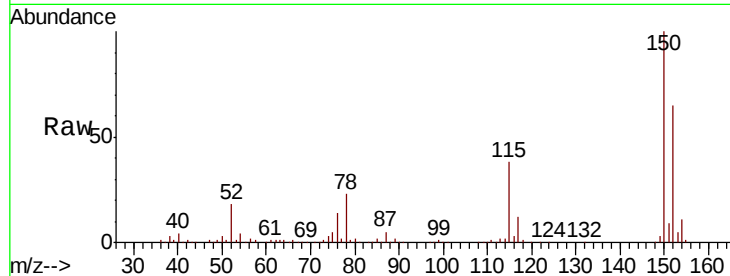


#1

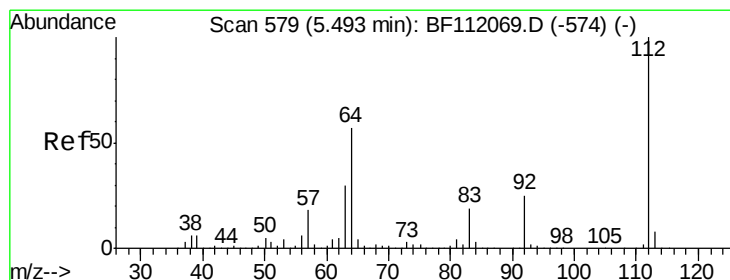
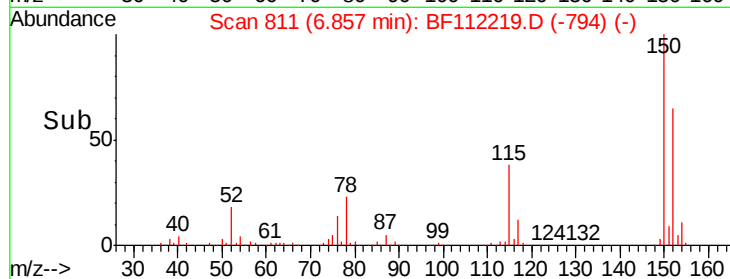
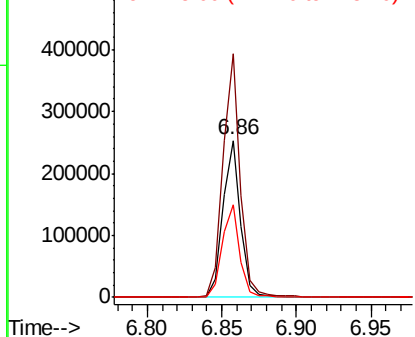
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TS-S

Tgt Ion:152 Resp: 211480
Ion Ratio Lower Upper
152 100
150 154.9 127.4 191.0
115 58.9 45.5 68.3



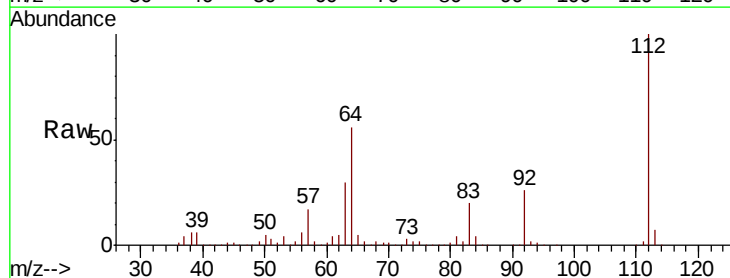
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



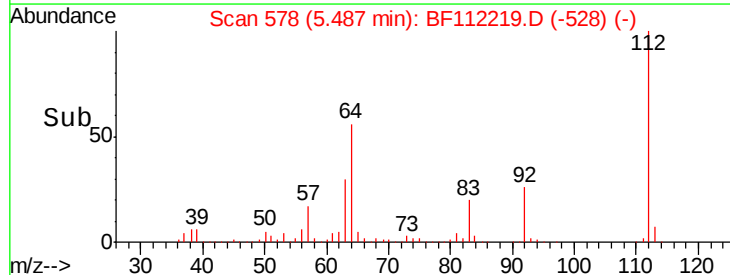
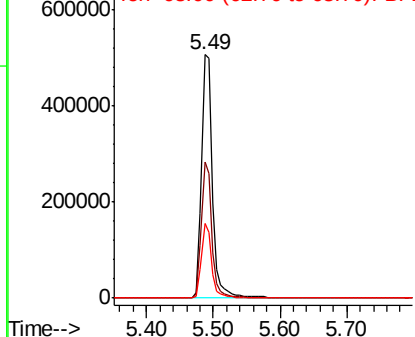
#5

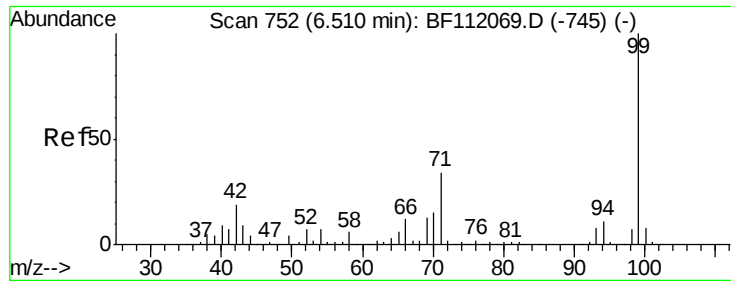
2-Fluorophenol
Concen: 47.762 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:112 Resp: 556504
Ion Ratio Lower Upper
112 100
64 55.8 45.7 68.5
63 30.4 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: 47.226 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

Instrument :

BNA_F

ClientSampleId :

TS-S

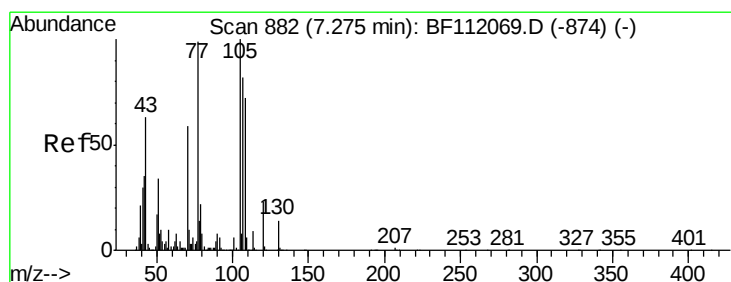
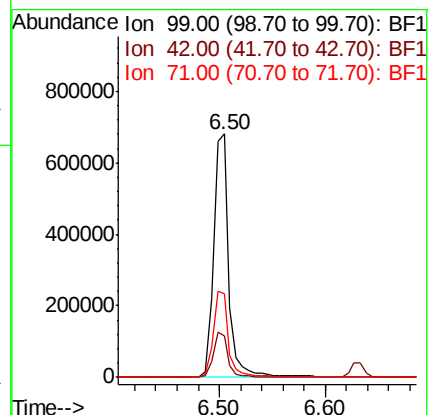
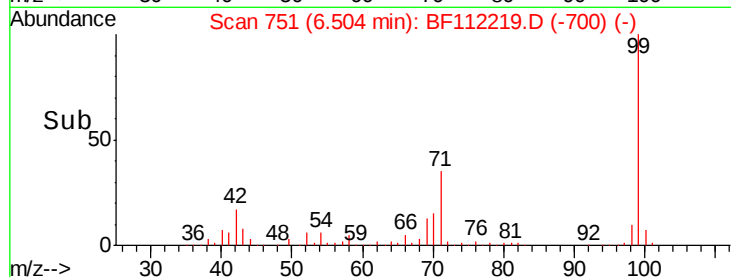
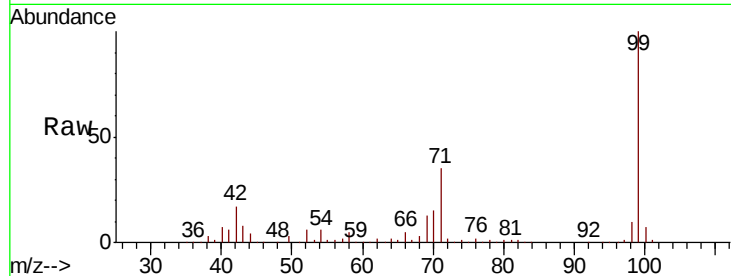
Tgt Ion: 99 Resp: 688456

Ion Ratio Lower Upper

99 100

42 16.9 15.1 22.7

71 34.6 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 6.273 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

Tgt Ion: 70 Resp: 55709

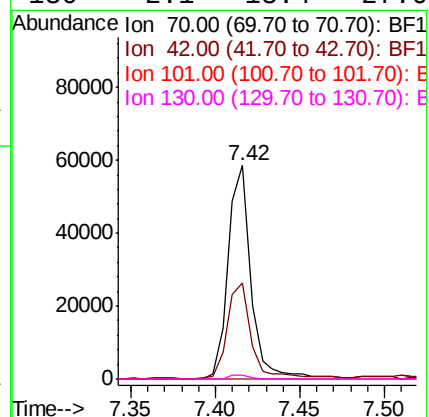
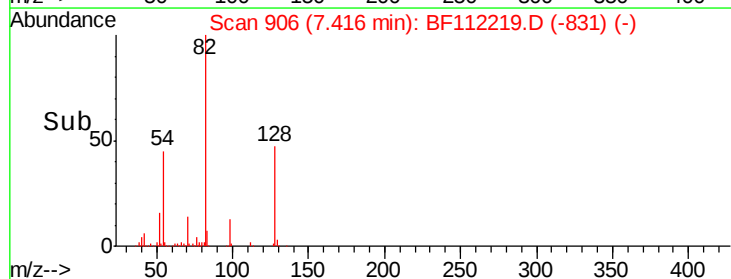
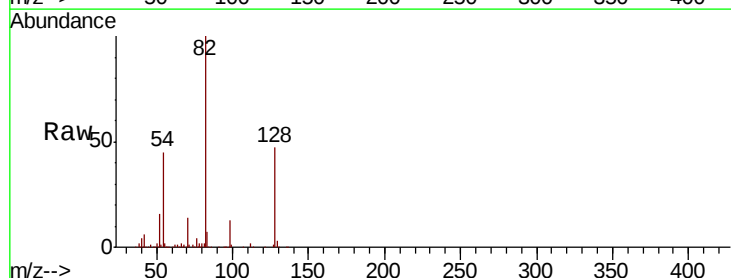
Ion Ratio Lower Upper

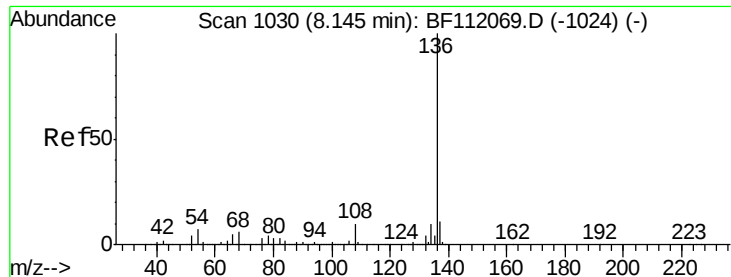
70 100

42 44.7 47.6 71.4#

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

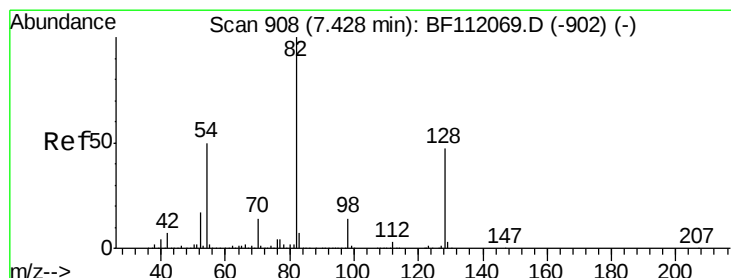
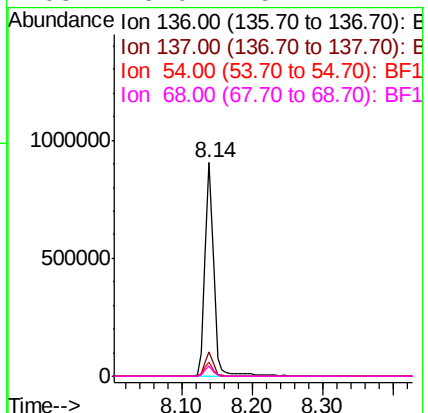
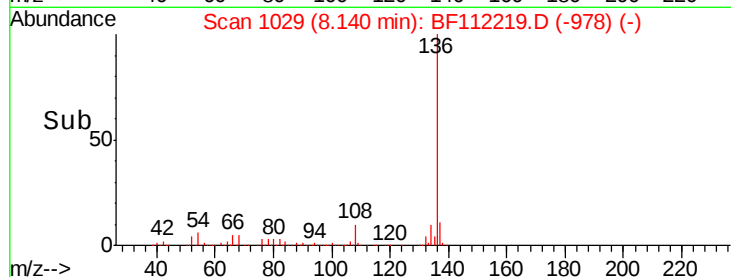
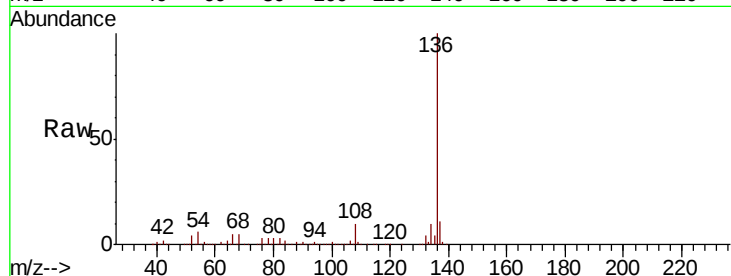




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

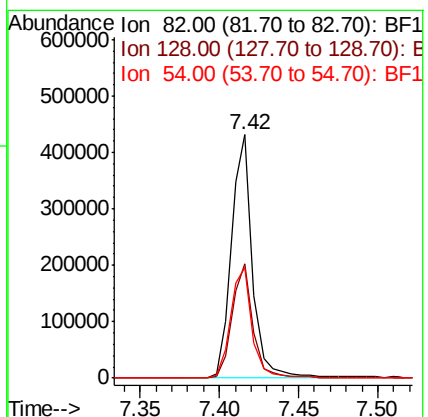
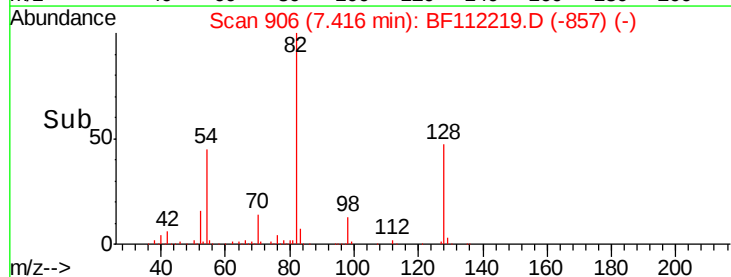
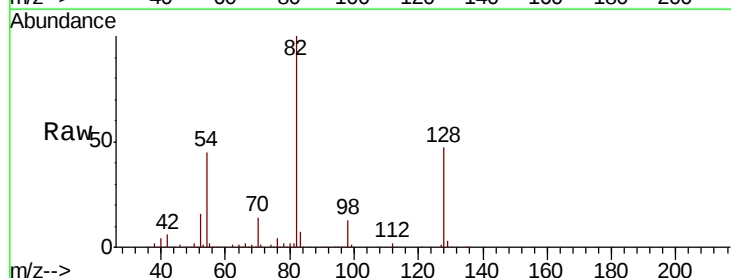
Instrument :
BNA_F
ClientSampleId :
TS-S

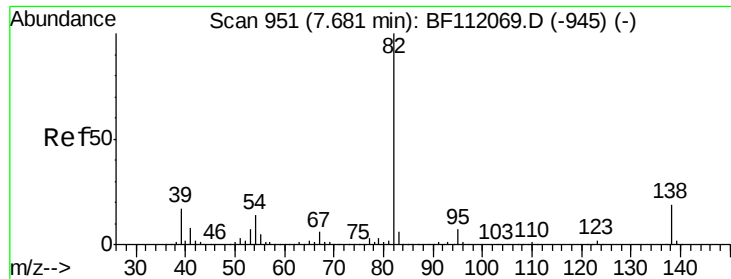
Tgt Ion:	136	Resp:	784582
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.5	5.9	8.9
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 34.964 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:	82	Resp:	397056
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.8	56.8
54	45.5	39.7	59.5





#25

Isophorone

Concen: 18.008 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

Instrument :

BNA_F

ClientSampled :

TS-S

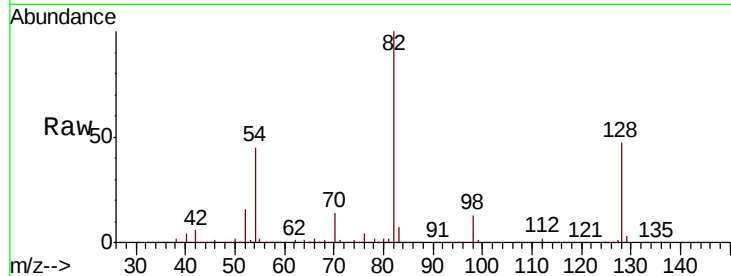
Tgt Ion: 82 Resp: 394992

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

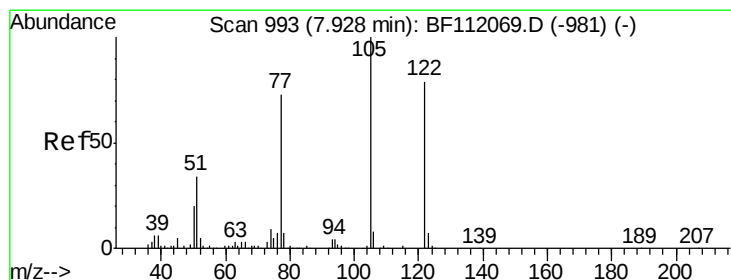
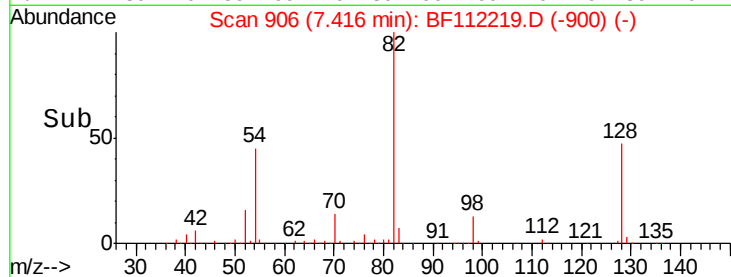
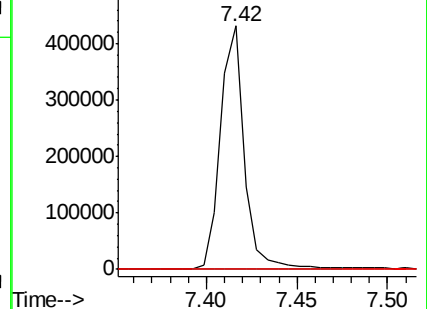
138 0.0 15.4 23.0#



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: 7.297 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

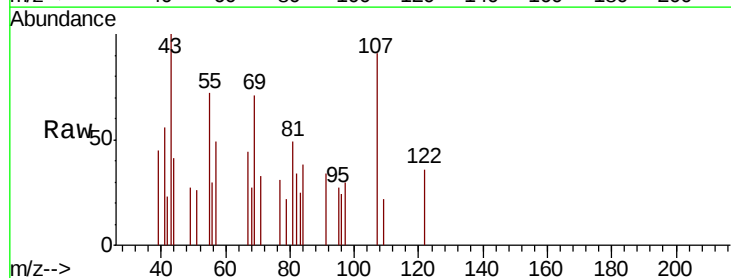
Tgt Ion: 122 Resp: 546

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

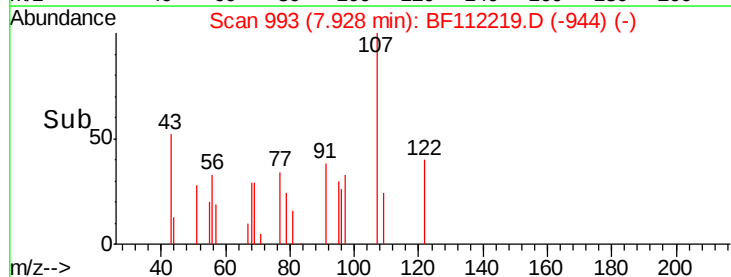
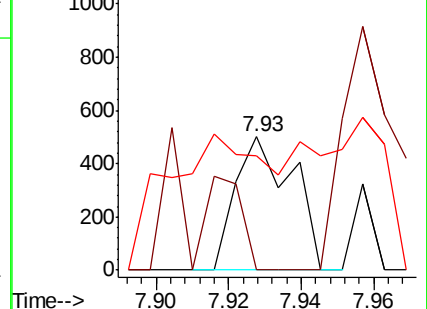
77 85.6 70.4 110.4

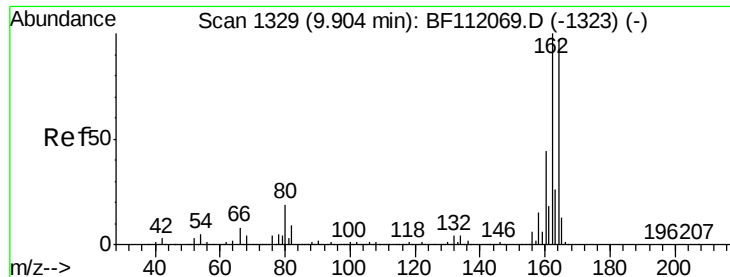


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

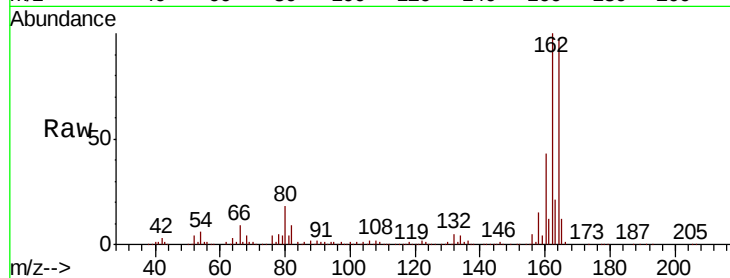




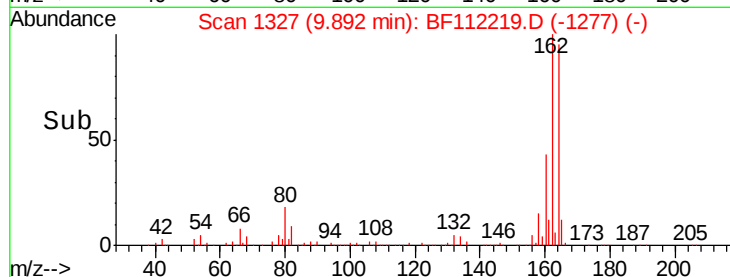
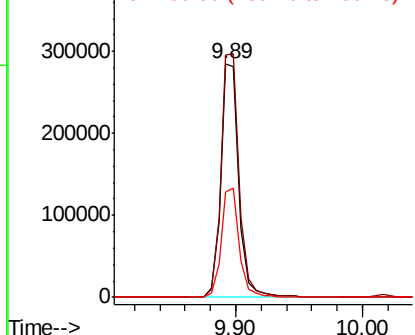
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112219.D
 Acq: 24 Jan 2019 20:01

Instrument :
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 ClientSampleId :
 TS-S

Tgt Ion:164 Resp: 281772
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.2 123.4
 160 44.8 36.2 54.4

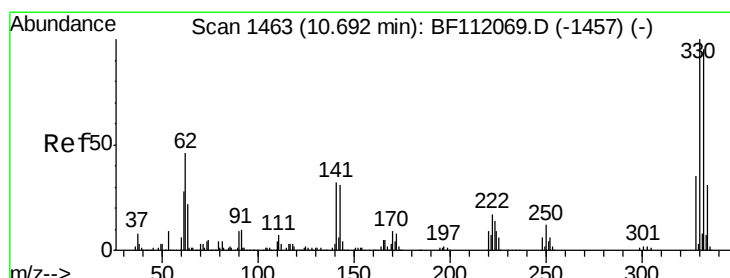


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

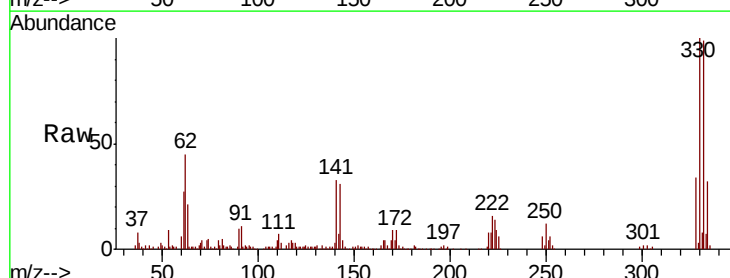
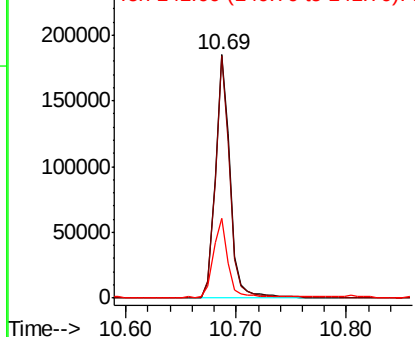


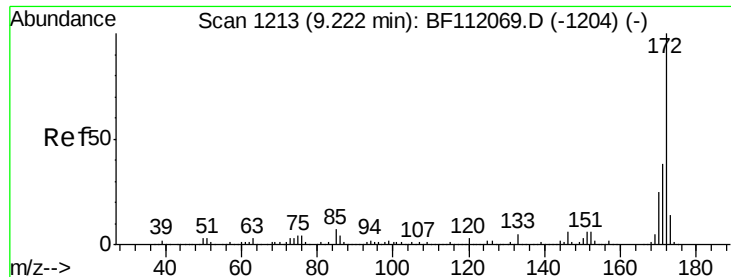
#42
 2,4,6-Tribromophenol
 Concen: 55.517 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112219.D
 Acq: 24 Jan 2019 20:01

Tgt Ion:330 Resp: 168756
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 32.3 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

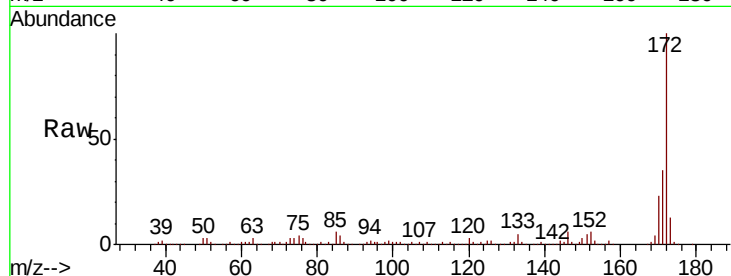




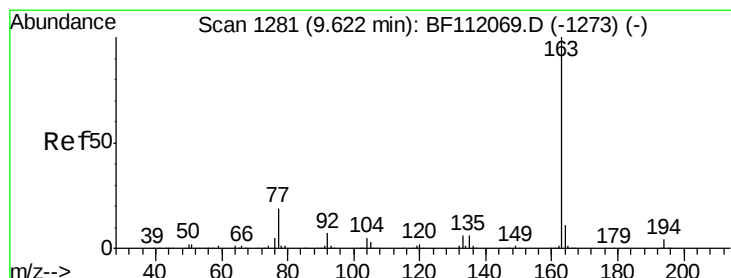
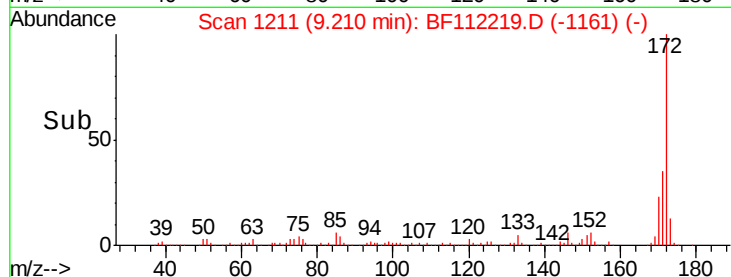
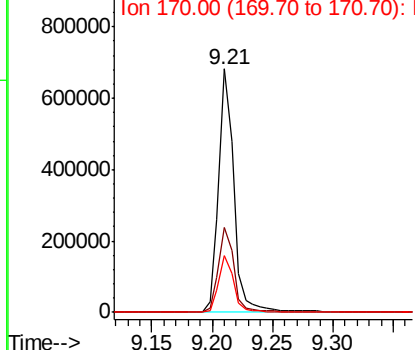
#45
2-Fluorobiphenyl
Concen: 30.874 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TS-S

Tgt Ion:172 Resp: 593365
Ion Ratio Lower Upper
172 100
171 34.7 30.5 45.7
170 23.1 20.2 30.4

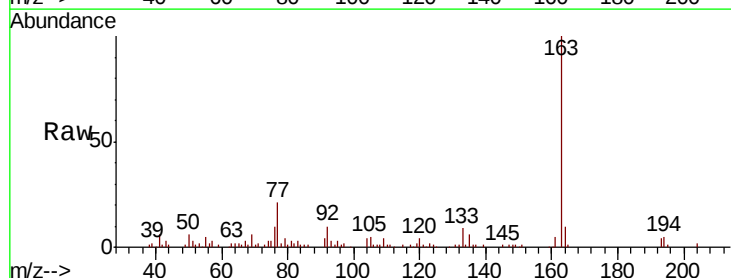


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

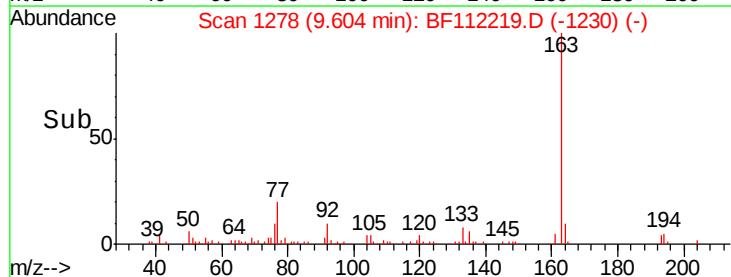
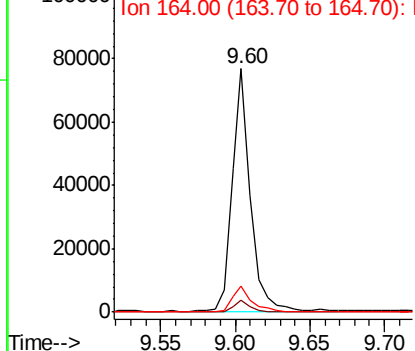


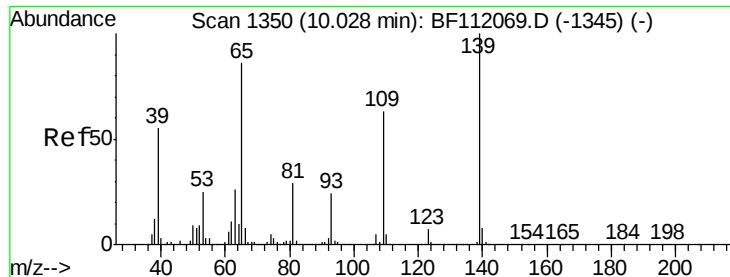
#50
Dimethylphthalate
Concen: 3.275 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:163 Resp: 67288
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 10.4 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

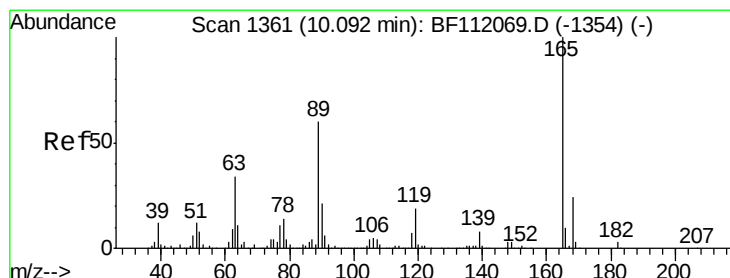
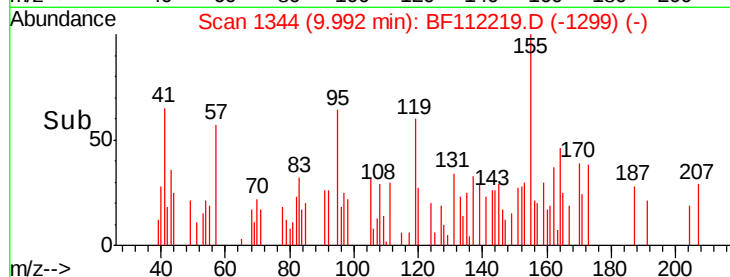
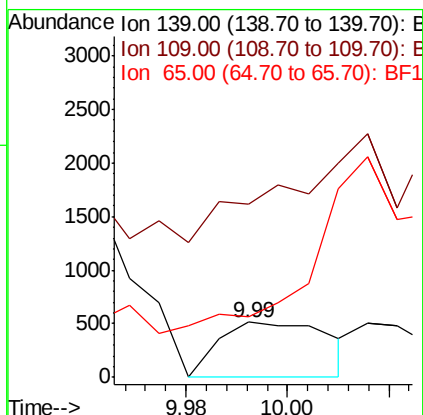
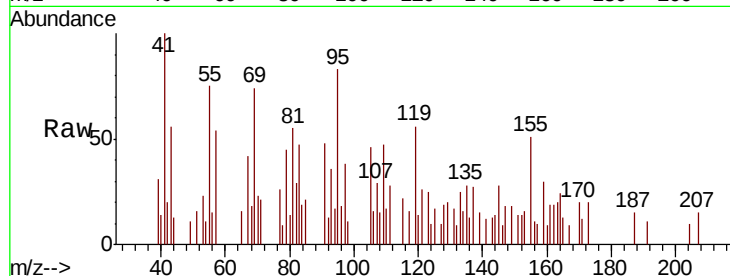




#56
4-Nitrophenol
Concen: 5.875 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.04 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

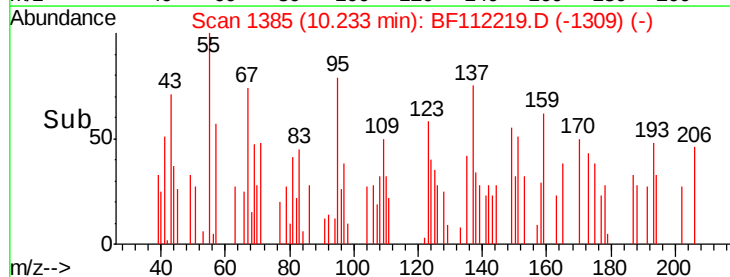
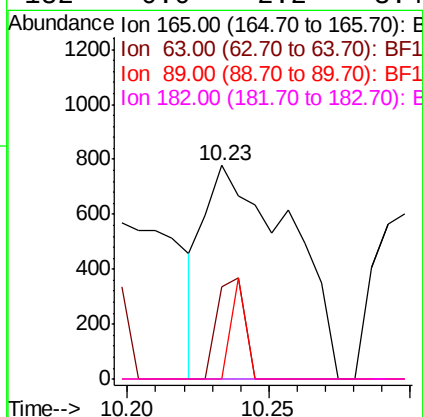
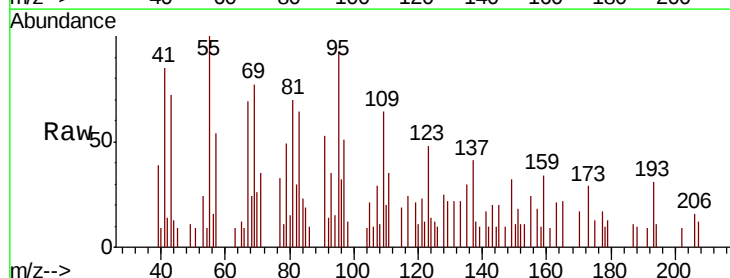
Instrument :
BNA_F
ClientSampled :
TS-S

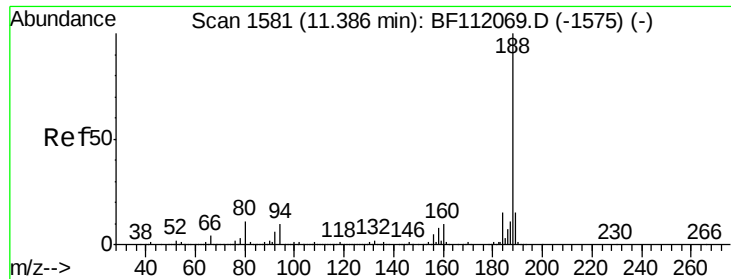
Tgt Ion:139 Resp: 775
Ion Ratio Lower Upper
139 100
109 314.0 42.8 82.8#
65 108.9 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 4.864 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.15 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:165 Resp: 1647
Ion Ratio Lower Upper
165 100
63 43.1 27.9 41.9#
89 0.0 47.9 71.9#
182 0.0 2.2 3.4#

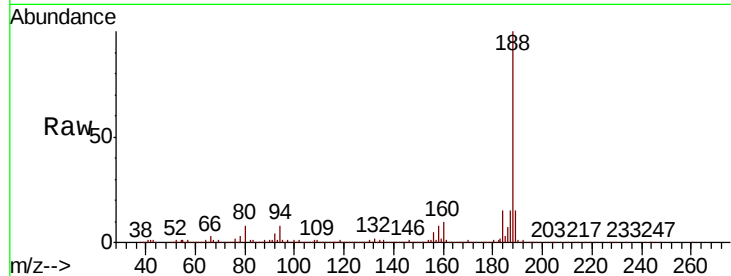




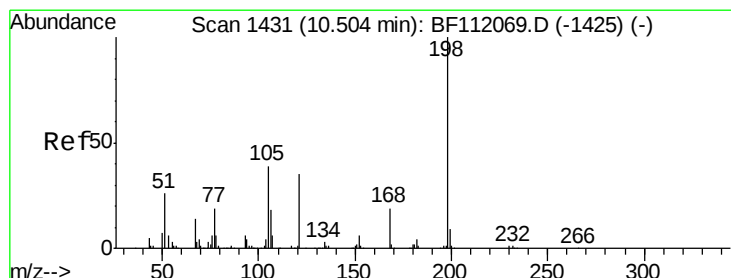
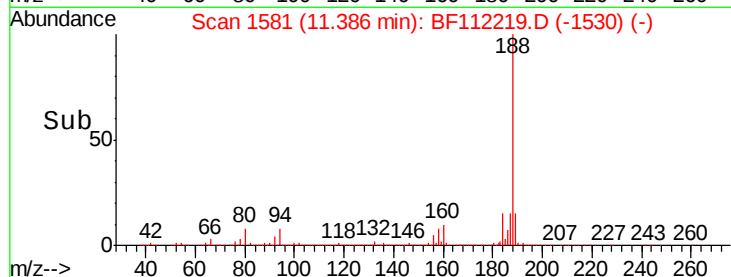
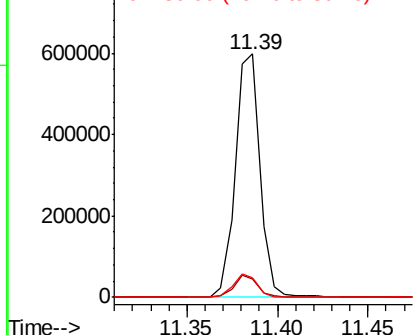
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TS-S

Tgt Ion:188 Resp: 567078
Ion Ratio Lower Upper
188 100
94 7.7 8.2 12.2#
80 7.9 8.9 13.3#

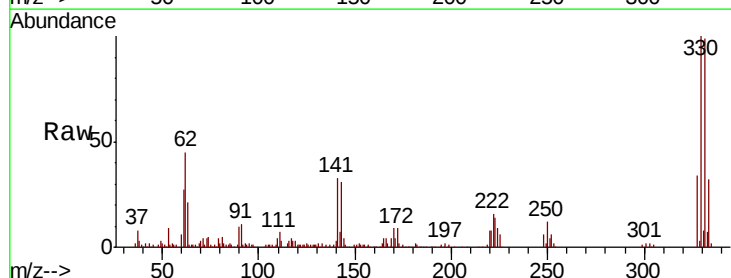


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

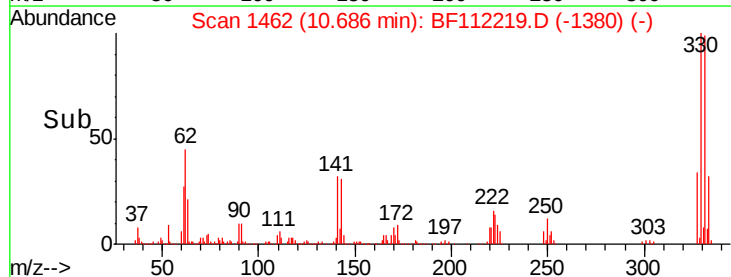
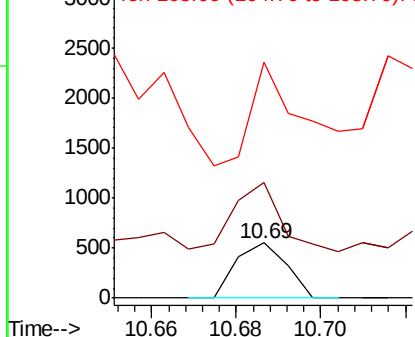


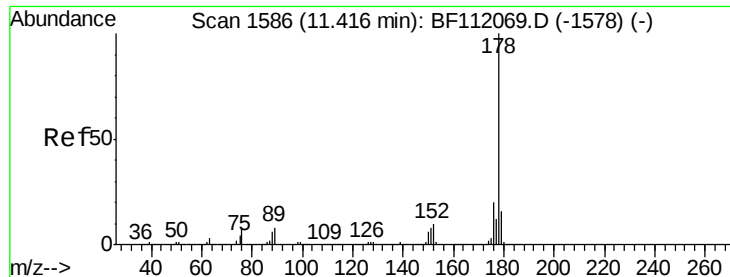
#65
4,6-Dinitro-2-methylphenol
Concen: 10.222 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:198 Resp: 455
Ion Ratio Lower Upper
198 100
51 208.9 17.2 57.2#
105 426.8 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

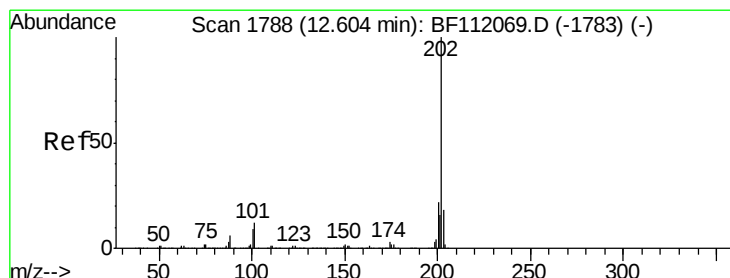
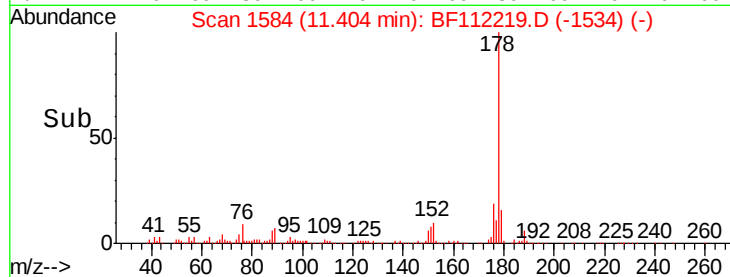
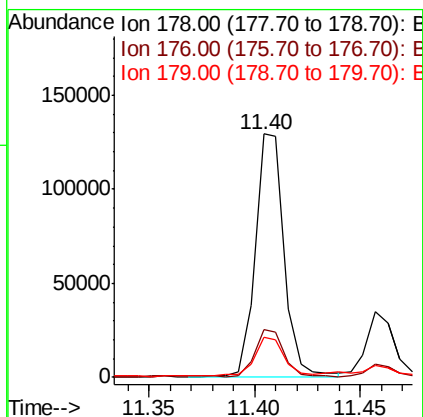
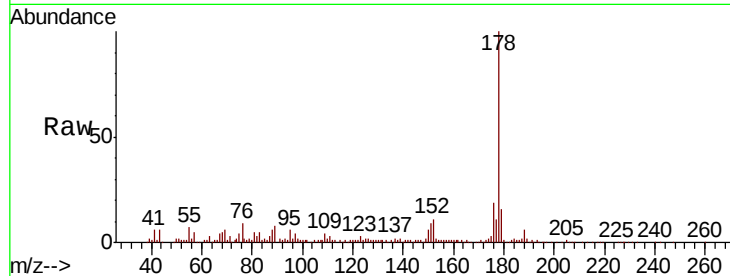




#71
Phenanthrene
Concen: 4.267 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

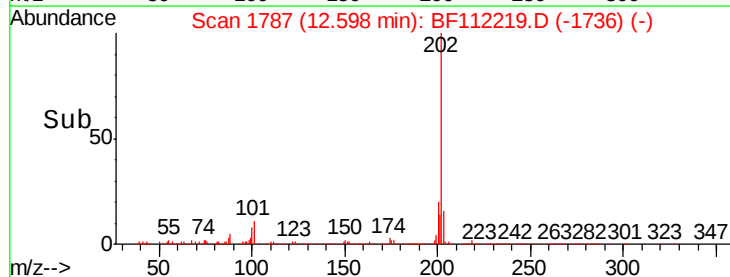
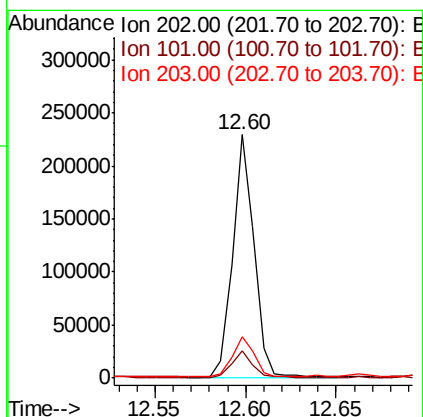
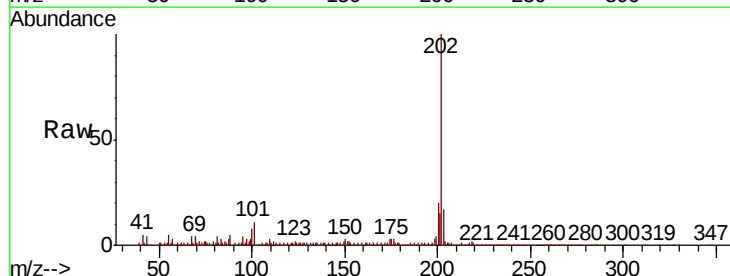
Instrument :
BNA_F
ClientSampleId :
TS-S

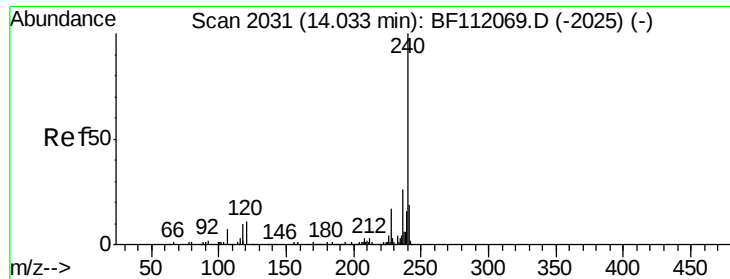
Tgt Ion:178 Resp: 121771
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 16.5 13.0 19.4



#75
Fluoranthene
Concen: 6.207 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:202 Resp: 187036
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 16.9 0.0 38.4

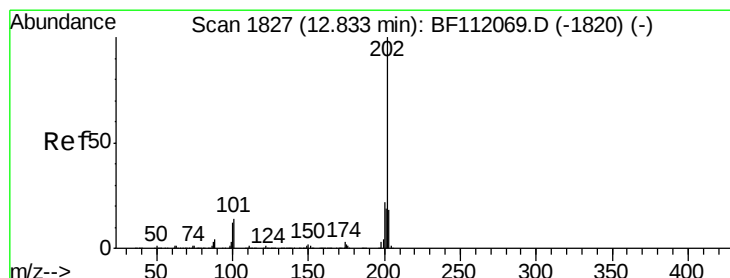
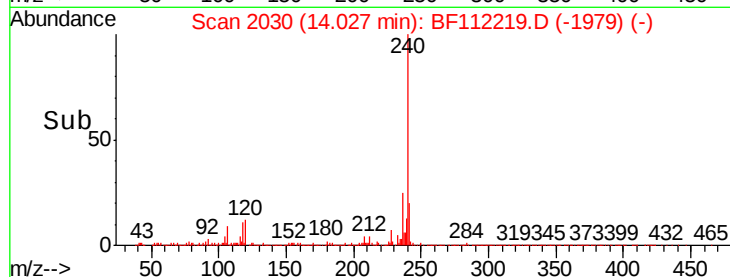
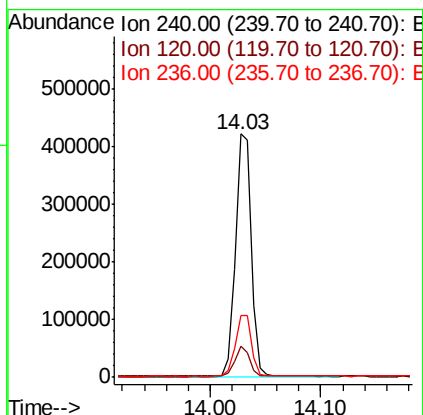
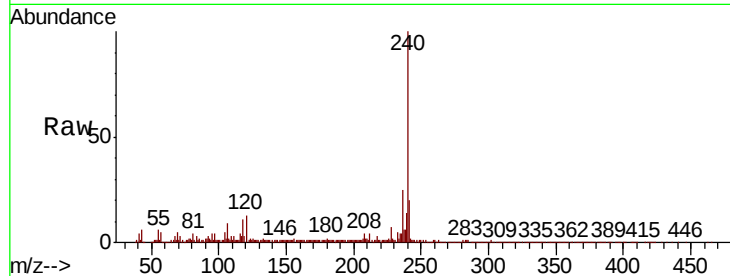




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

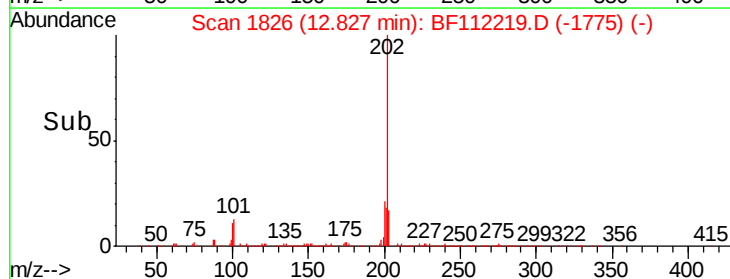
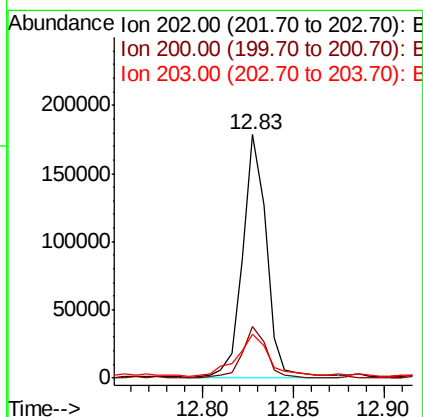
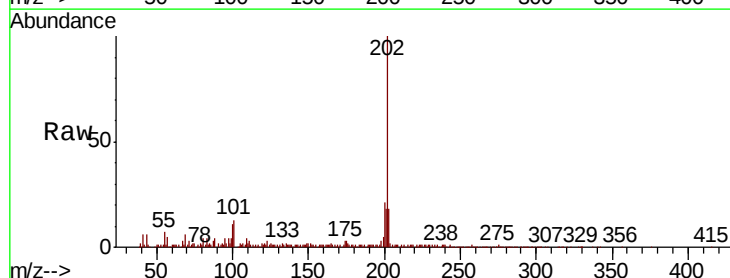
Instrument :
BNA_F
ClientSampled :
TS-S

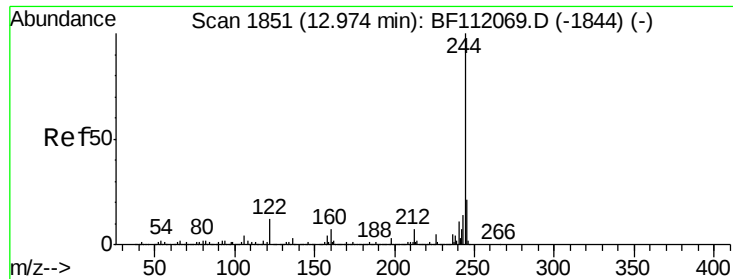
Tgt Ion:240 Resp: 425673
Ion Ratio Lower Upper
240 100
120 12.6 9.0 13.6
236 25.3 20.7 31.1



#78
Pyrene
Concen: 5.746 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:202 Resp: 161373
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 18.2 14.6 22.0

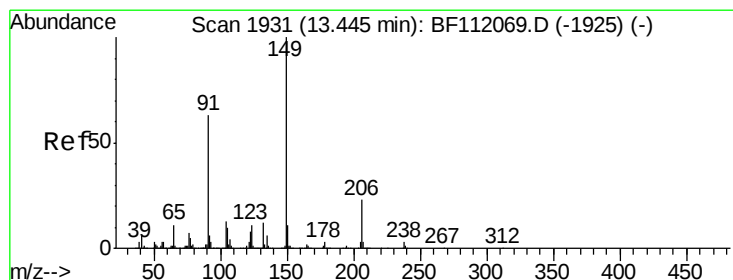
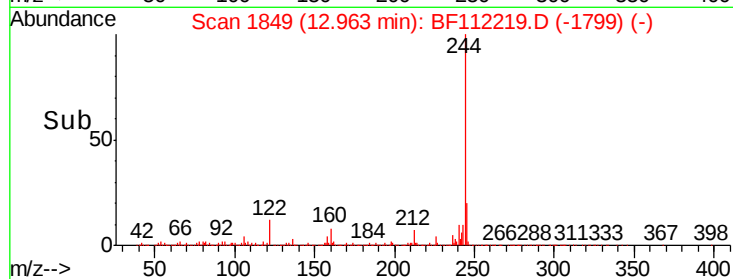
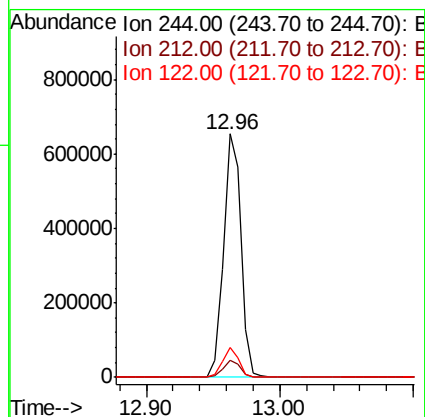
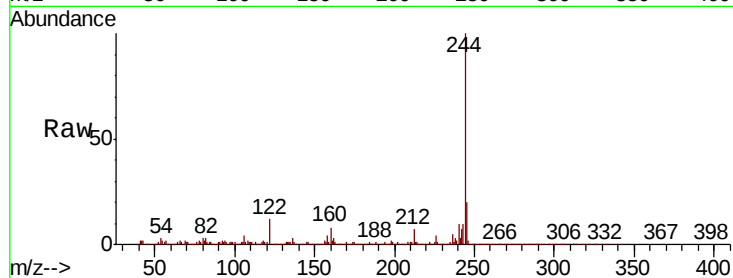




#79
 Terphenyl-d14
 Concen: 30.093 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF112219.D
 Acq: 24 Jan 2019 20:01

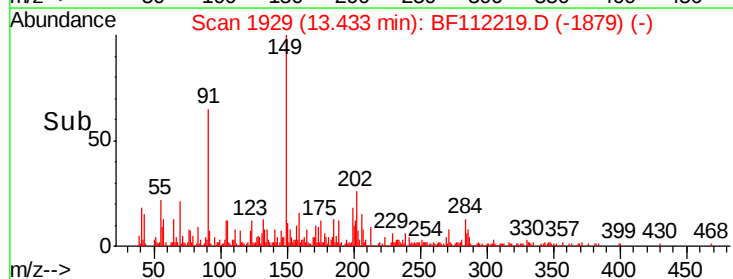
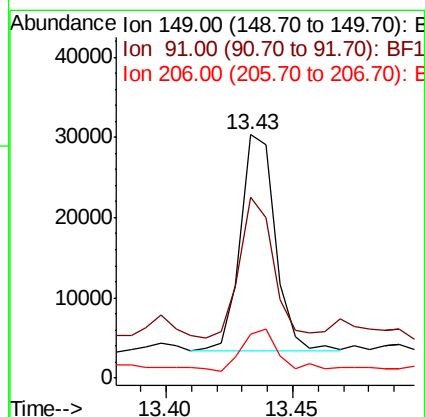
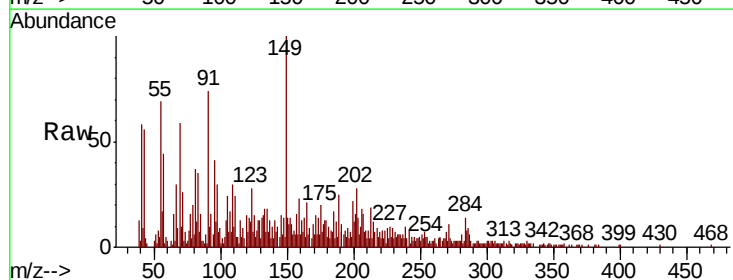
Instrument :
 BNA_F
 ClientSampleId :
 TS-S

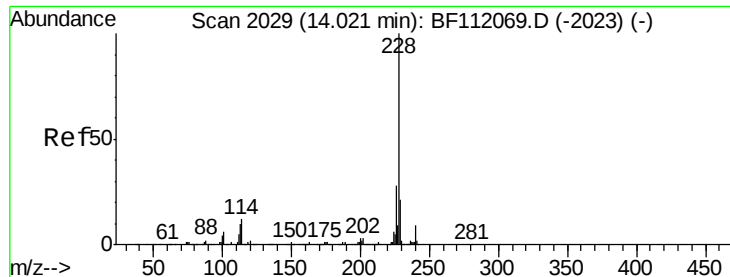
Tgt Ion:244 Resp: 602144
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 12.2 9.8 14.6



#80
 Butylbenzylphthalate
 Concen: 2.098 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF112219.D
 Acq: 24 Jan 2019 20:01

Tgt Ion:149 Resp: 25849
 Ion Ratio Lower Upper
 149 100
 91 74.1 50.3 75.5
 206 17.8 18.2 27.4#





#81

Benzo(a)anthracene

Concen: 2.967 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

Instrument :

BNA_F

ClientSampleId :

TS-S

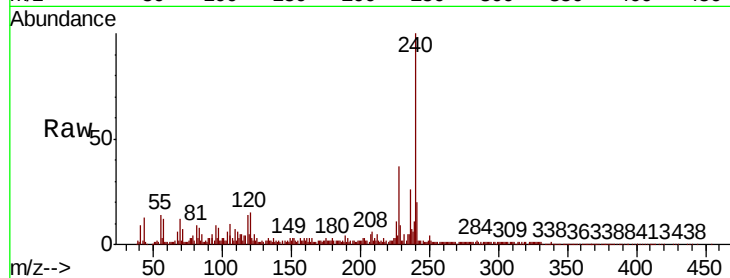
Tgt Ion:228 Resp: 72424

Ion Ratio Lower Upper

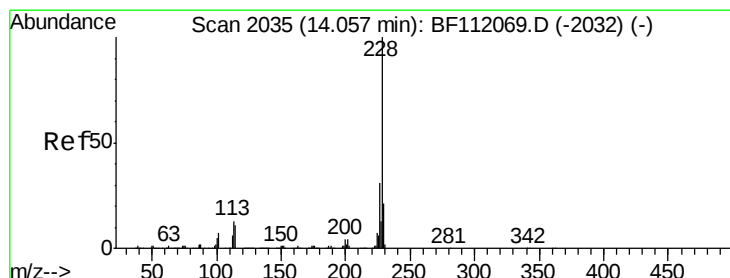
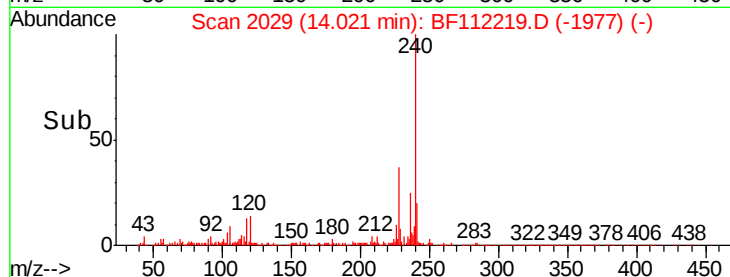
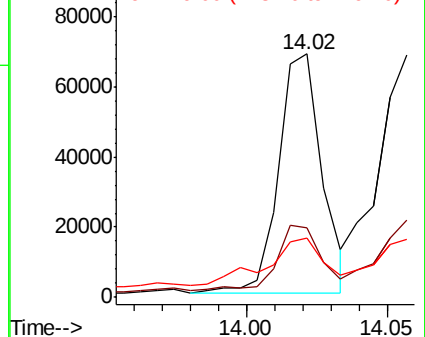
228 100

226 28.5 22.6 34.0

229 24.4 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: 3.080 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF112219.D

Acq: 24 Jan 2019 20:01

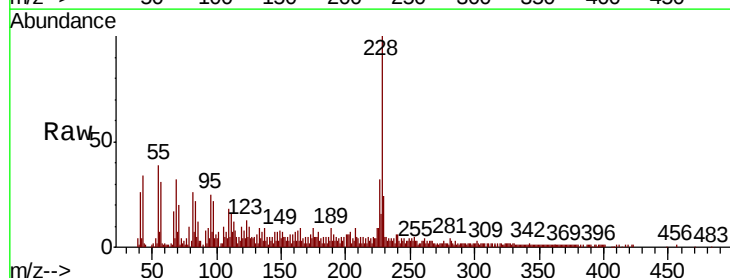
Tgt Ion:228 Resp: 71134

Ion Ratio Lower Upper

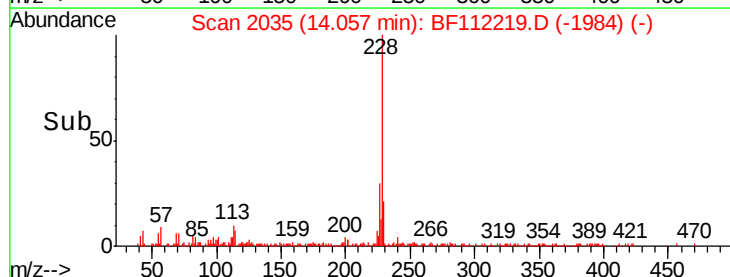
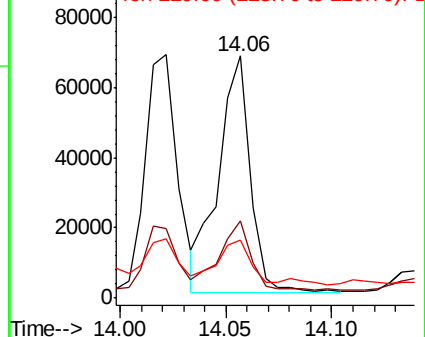
228 100

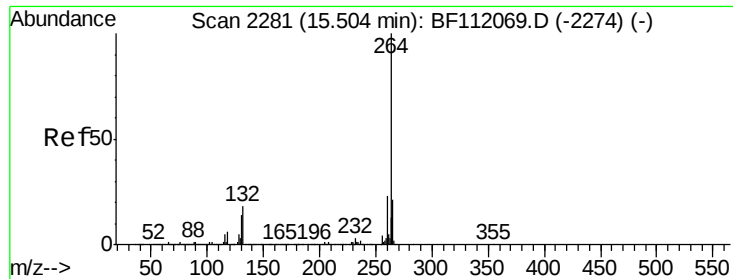
226 32.1 25.0 37.6

229 23.8 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

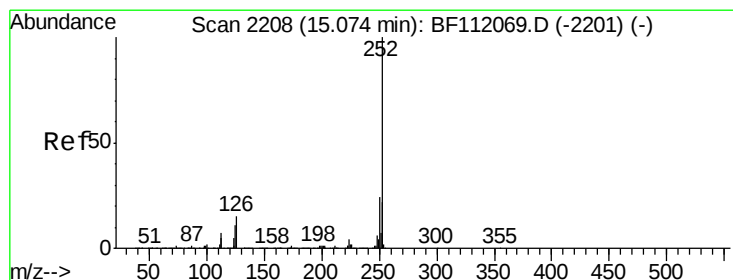
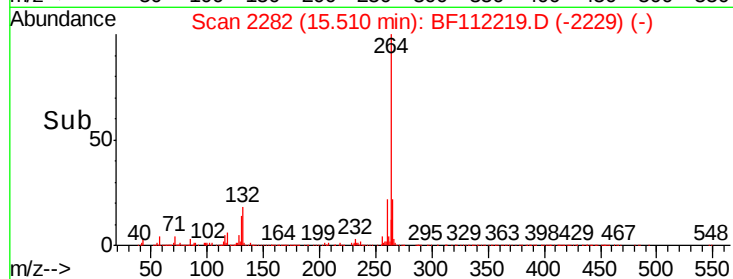
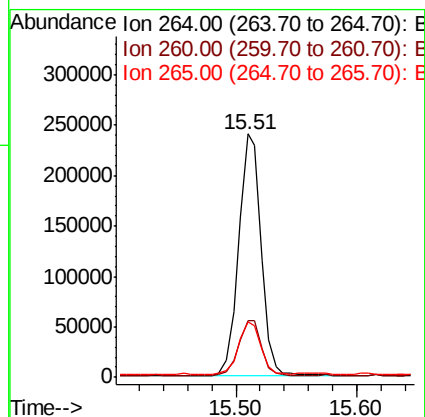
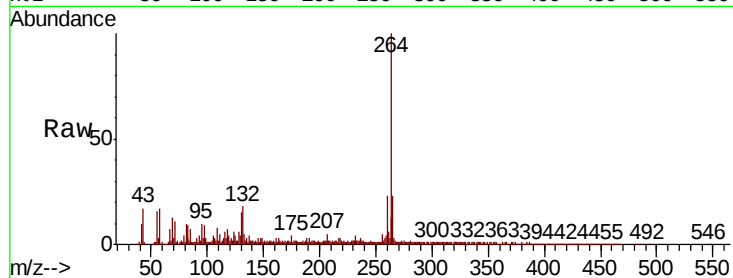




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

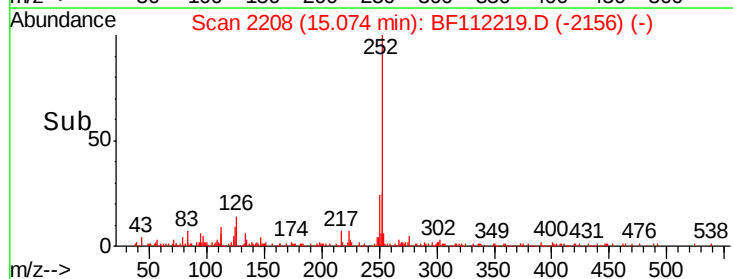
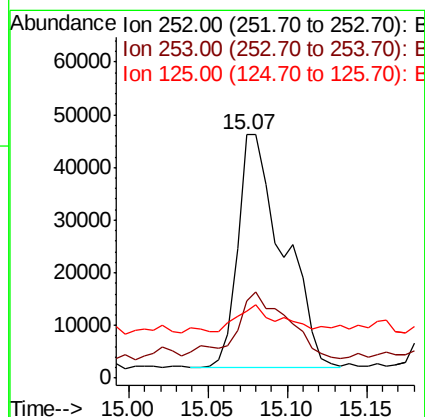
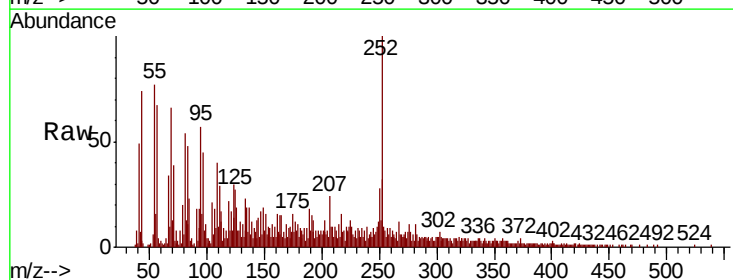
Instrument :
BNA_F
ClientSampleId :
TS-S

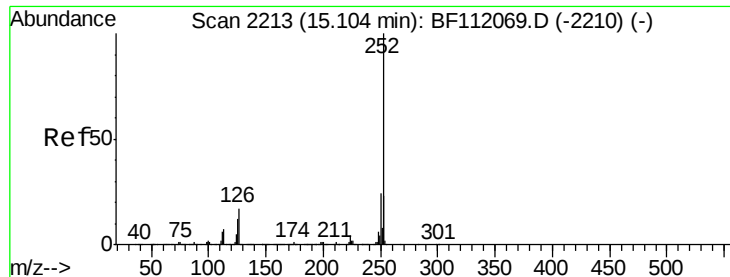
Tgt Ion:264 Resp: 310303
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 23.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.987 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:252 Resp: 87835
Ion Ratio Lower Upper
252 100
253 31.9 18.0 27.0#
125 27.5 8.7 13.1#

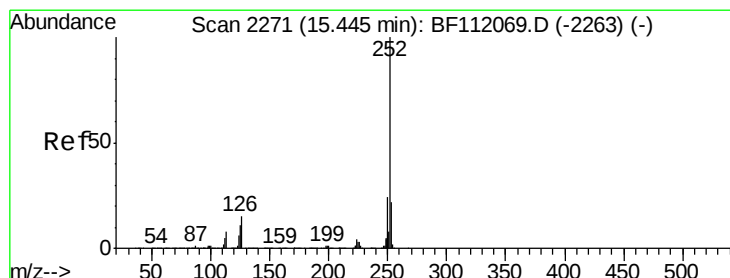
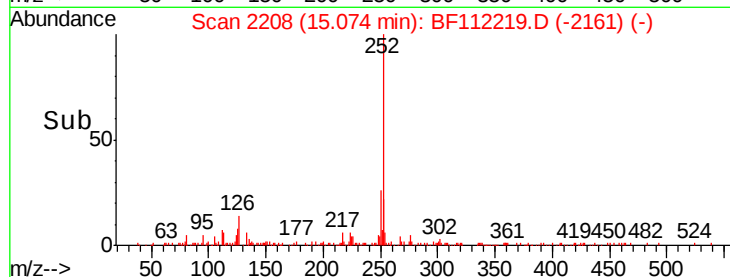
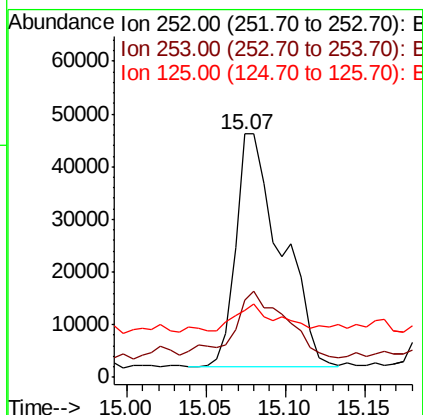
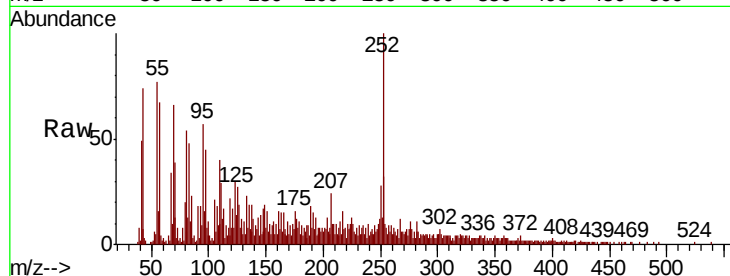




#89
Benzo(k)fluoranthene
Concen: 5.152 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TS-S

Tgt Ion:252 Resp: 87835
Ion Ratio Lower Upper
252 100
253 31.9 18.0 27.0#
125 27.5 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 2.732 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF112219.D
Acq: 24 Jan 2019 20:01

Tgt Ion:252 Resp: 44134
Ion Ratio Lower Upper
252 100
253 31.2 17.5 26.3#
125 31.8 9.0 13.4#

