

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081518\
 Data File : BF108173.D
 Acq On : 15 Aug 2018 18:48
 Operator : JU/SJ
 Sample : J4477-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Quant Time: Aug 16 01:50:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

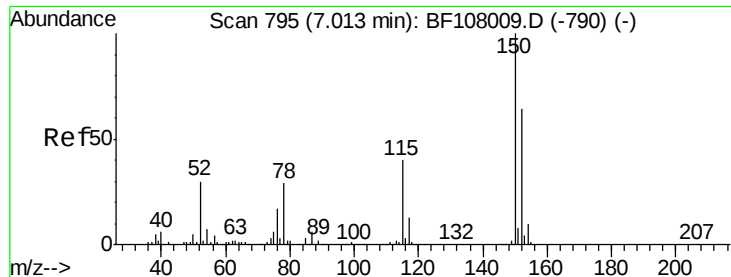
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	193327	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	749429	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	391949	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	728903	20.00	ng	0.00
75) Chrysene-d12	14.21	240	440403	20.00	ng	0.00
86) Perylene-d12	15.78	264	456878	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1124742	105.33	ng	0.02
7) Phenol-d6	6.64	99	1542578	108.71	ng	0.00
23) Nitrobenzene-d5	7.58	82	1032738	76.90	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	344904	88.22	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1903162	77.96	ng	0.00
78) Terphenyl-d14	13.15	244	1649214	95.21	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	142446	14.845	ng	# 83
25) Isophorone	7.58	82	1028240	40.168	ng	# 64
49) Dimethylphthalate	9.76	163	135598	4.967	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	50351	8.815	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	50351	6.848	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	794	5.616	ng	# 6
66) 4-Bromophenyl-phenylether	10.85	248	22603	2.853	ng	# 1
70) Phenanthrene	11.58	178	70818	2.060	ng	98
74) Fluoranthene	12.78	202	139485	3.717	ng	93
77) Pyrene	13.01	202	126958	4.553	ng	99
80) Benzo(a)anthracene	14.20	228	56810	2.248	ng	98
82) Chrysene	14.24	228	47514	2.051	ng	98
87) Benzo(b)fluoranthene	15.30	252	82615	3.026	ng	100
88) Benzo(k)fluoranthene	15.30	252	82615	3.292	ng	98

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

```
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Sample    : J4477-01  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
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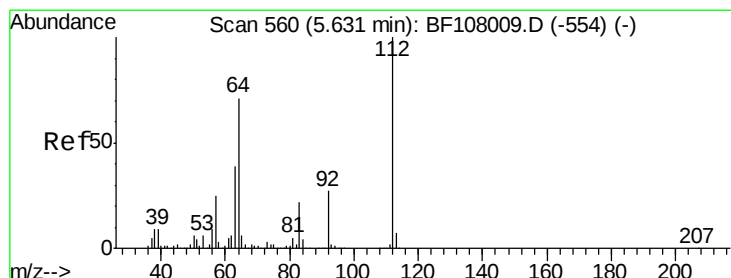
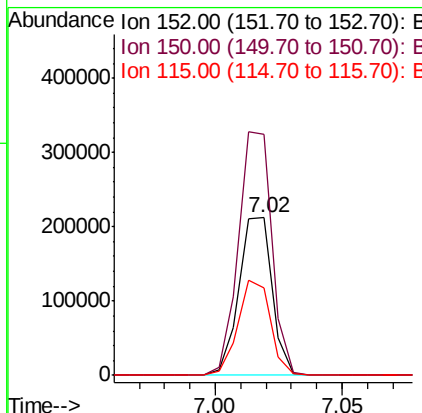
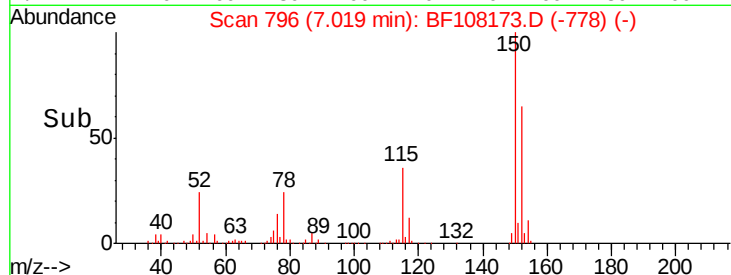
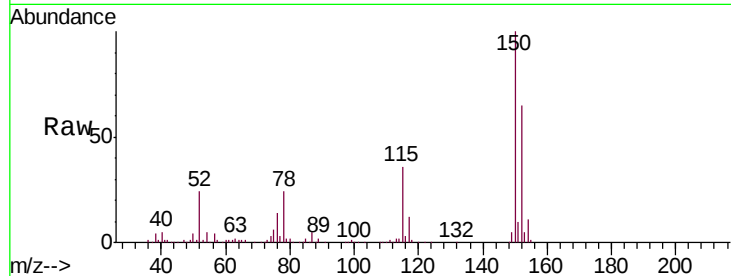


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

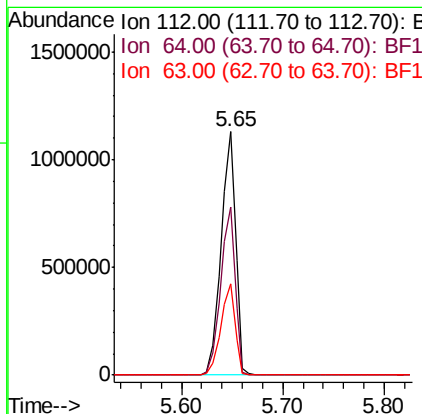
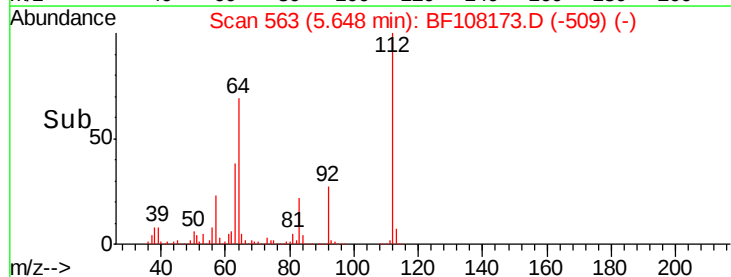
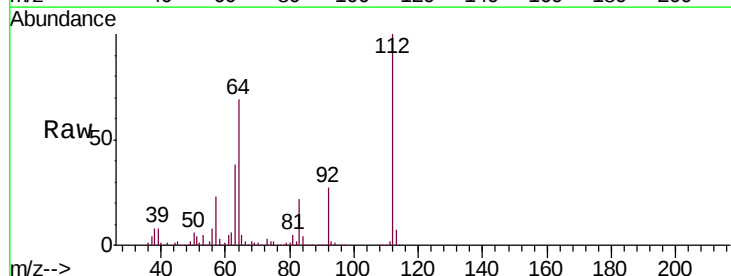
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	55.8	50.1	75.1

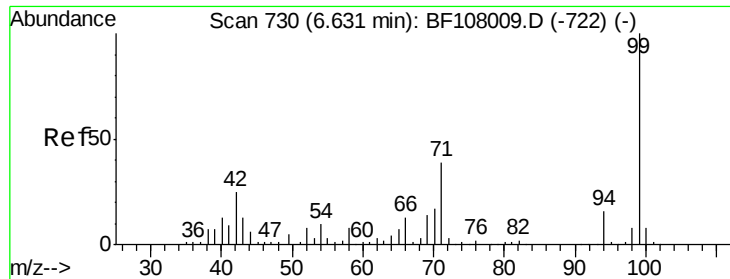


#5

2-Fluorophenol
Concen: 105.329 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	37.6	23.7	35.5





#7

Phenol-d6

Concen: 108.708 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

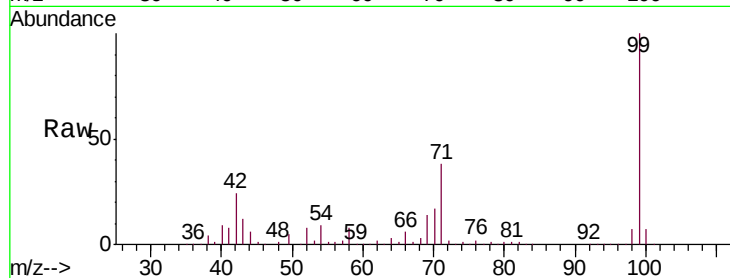
Tgt Ion: 99 Resp: 1542578

Ion Ratio Lower Upper

99 100

42 23.7 14.5 21.7#

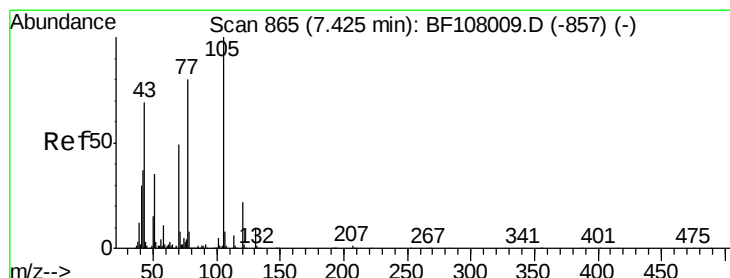
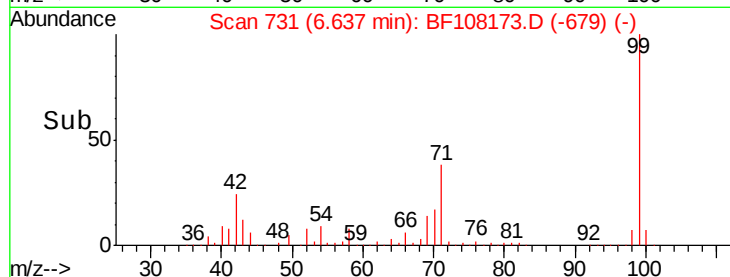
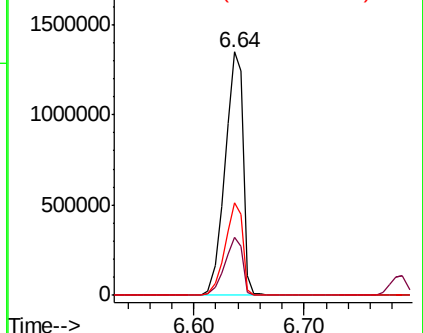
71 38.2 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.845 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Tgt Ion: 70 Resp: 142446

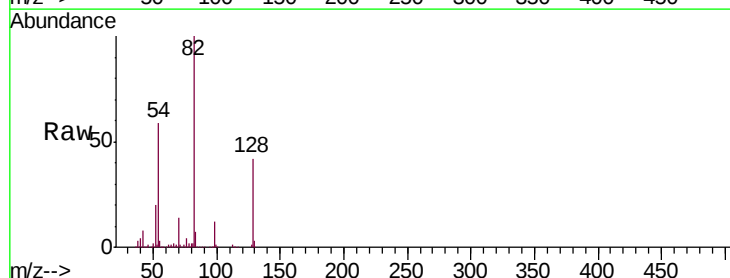
Ion Ratio Lower Upper

70 100

42 54.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

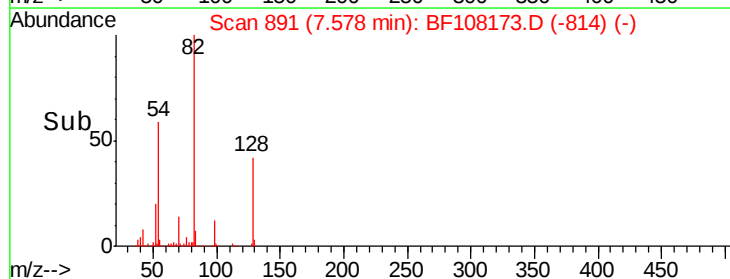
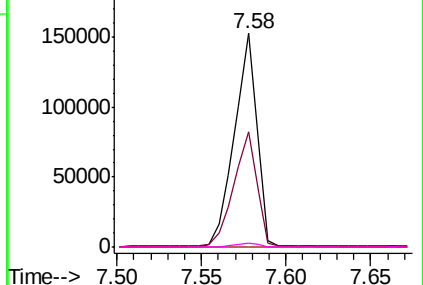


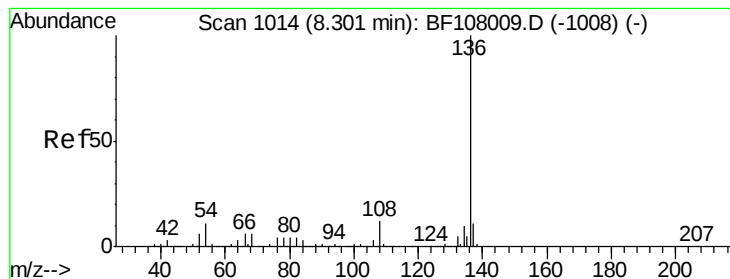
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

Tgt Ion: 136 Resp: 749429

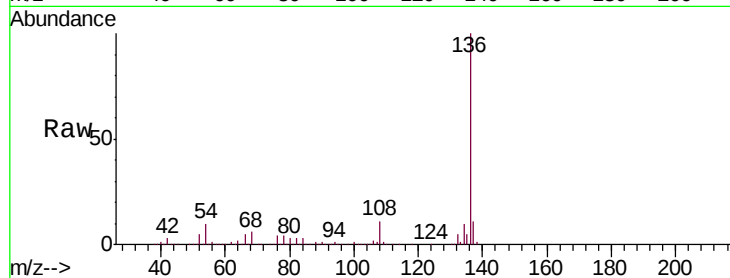
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 5.8 5.0 7.4

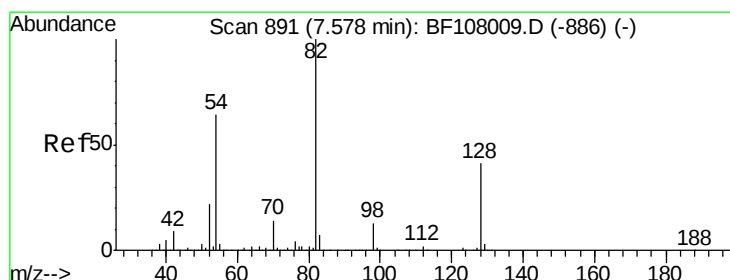
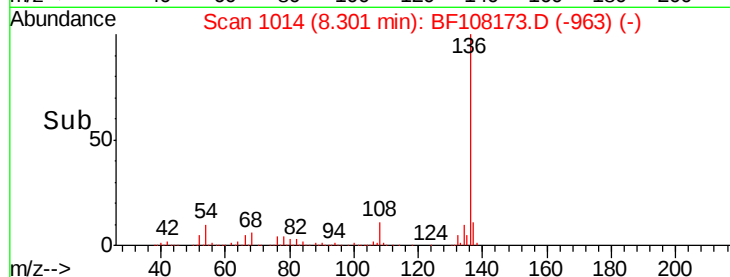
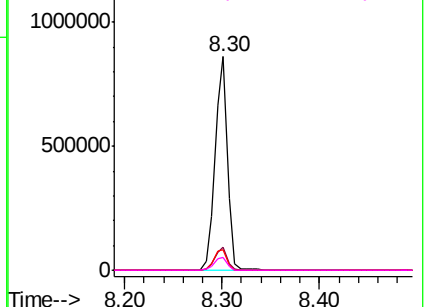


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 76.896 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

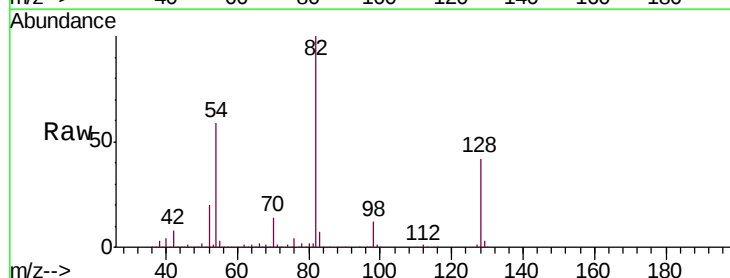
Tgt Ion: 82 Resp: 1032738

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

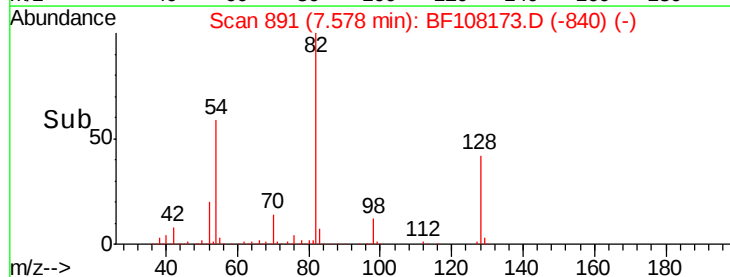
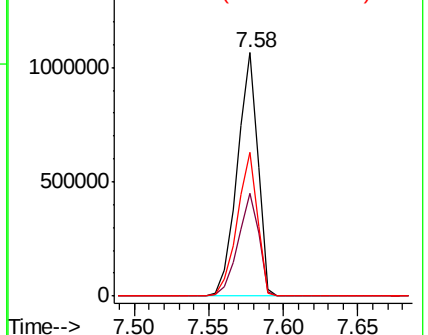
54 58.8 41.4 62.2

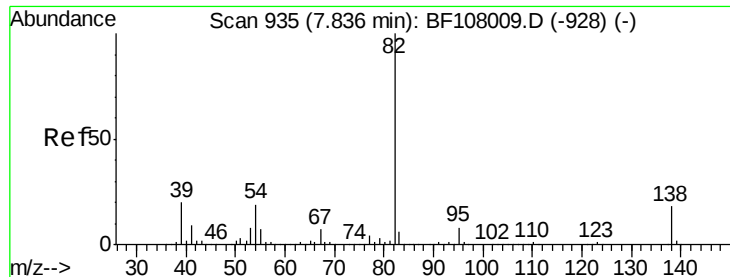


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.168 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

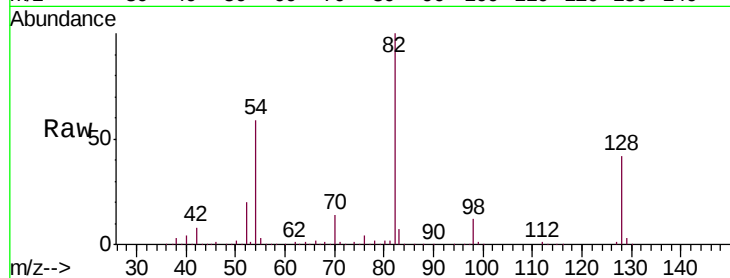
Tgt Ion: 82 Resp: 1028240

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

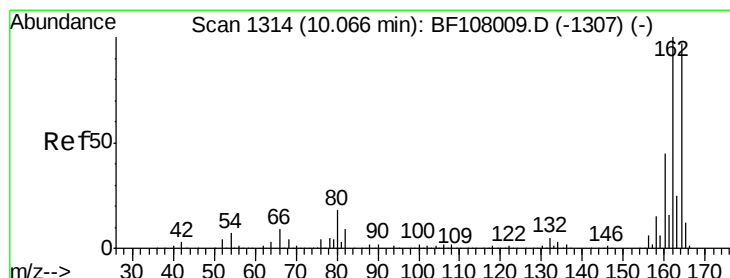
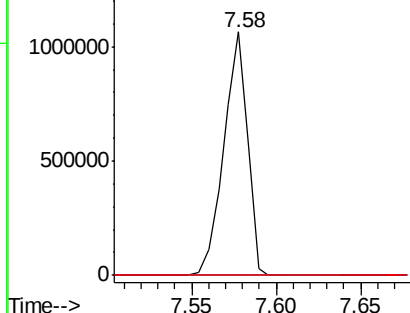
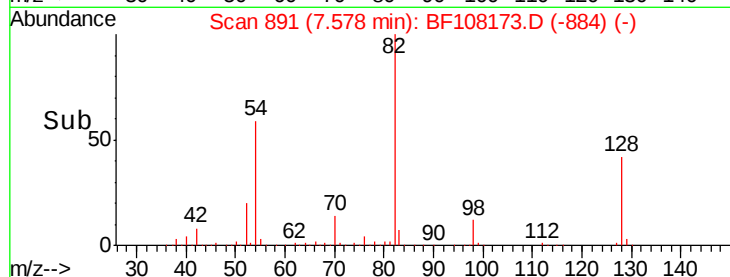
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

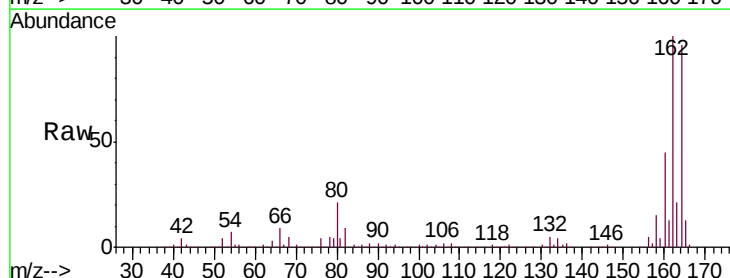
Tgt Ion: 164 Resp: 391949

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

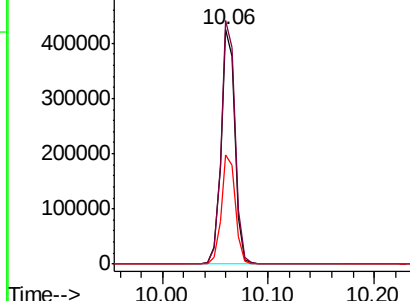
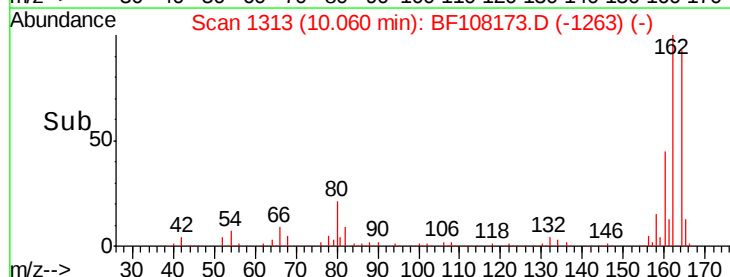
160 46.5 38.3 57.5

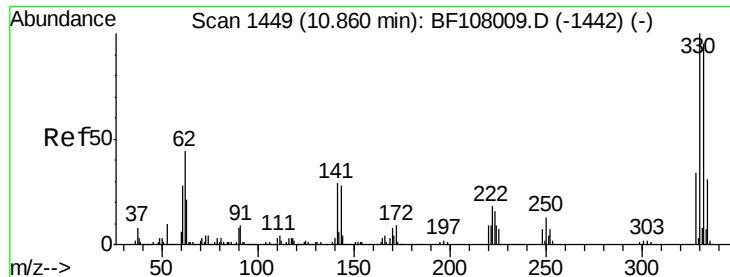


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

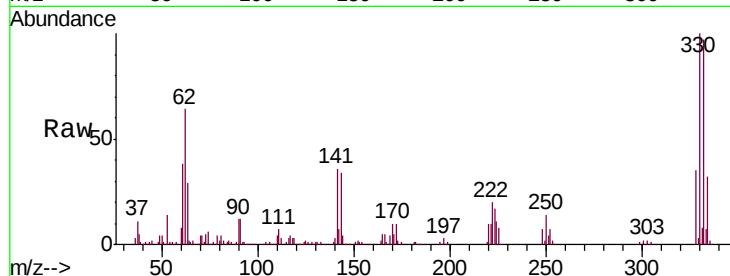




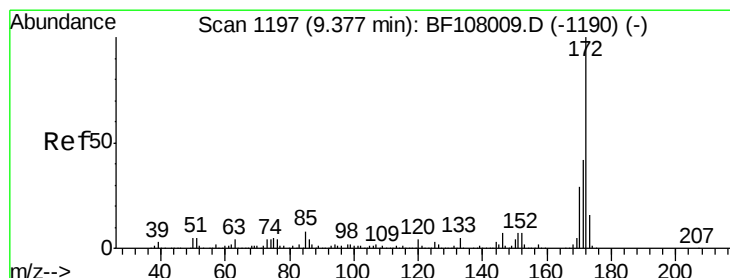
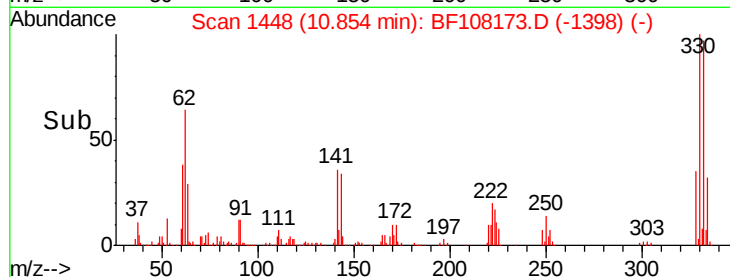
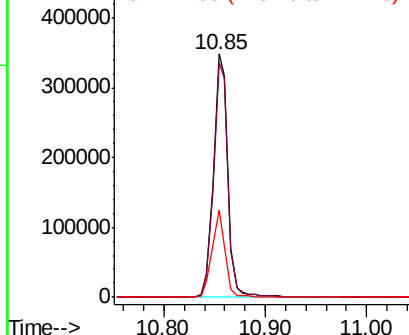
#41
 2,4,6-Tribromophenol
 Concen: 88.220 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Tgt Ion:330 Resp: 344904
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 33.0 29.9 44.9

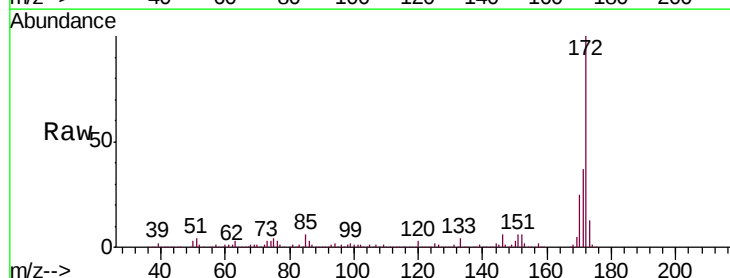


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

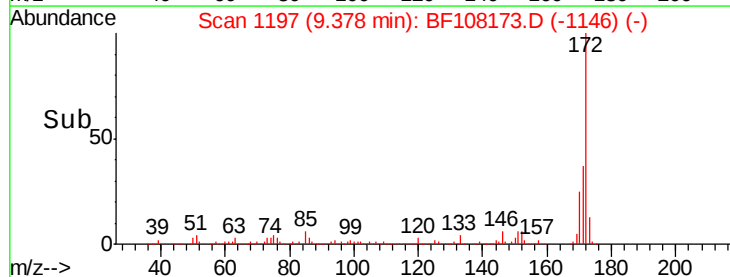
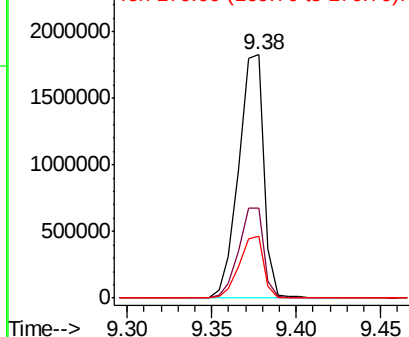


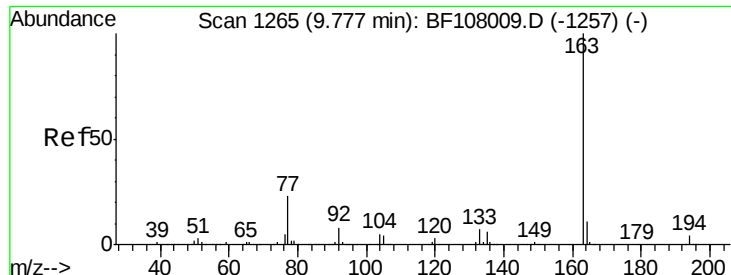
#44
 2-Fluorobiphenyl
 Concen: 77.956 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Tgt Ion:172 Resp: 1903162
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 25.2 19.6 29.4



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

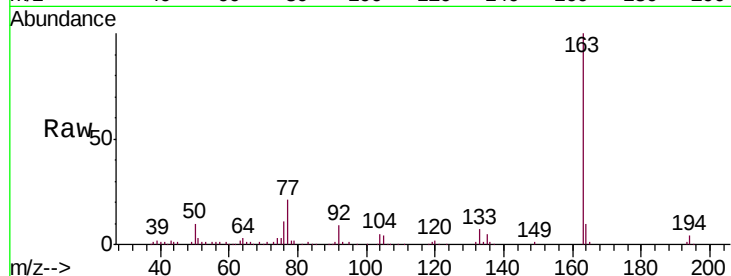




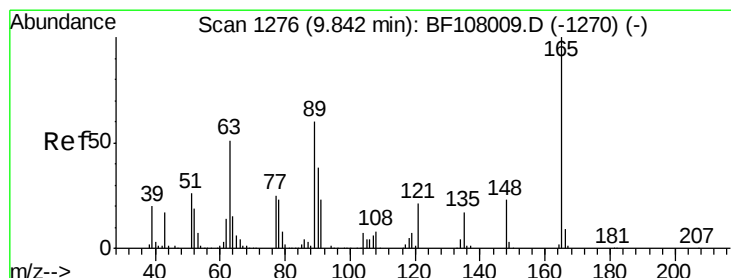
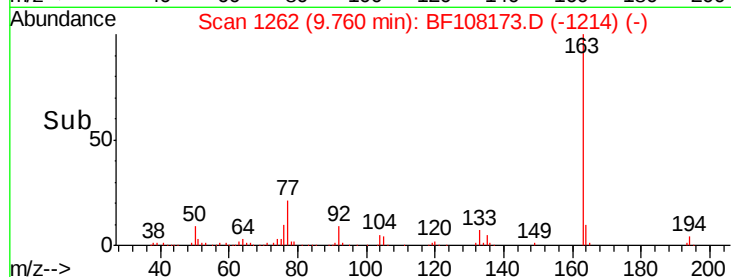
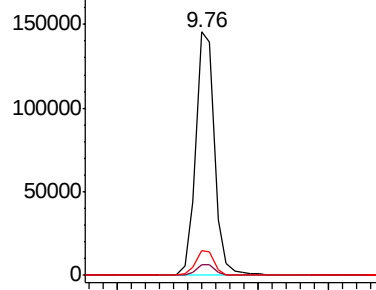
#49
Dimethylphthalate
Concen: 4.967 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.2	8.2	12.2

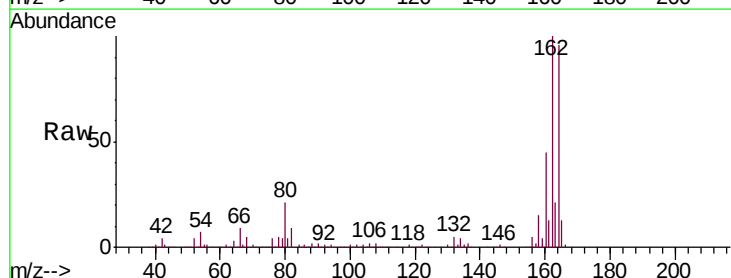


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

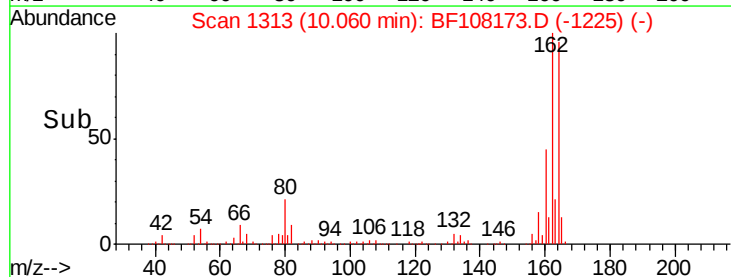
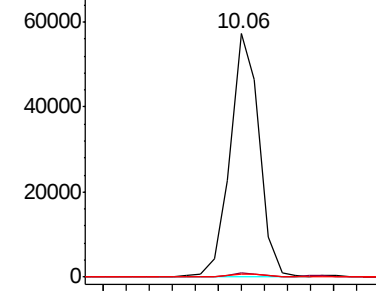


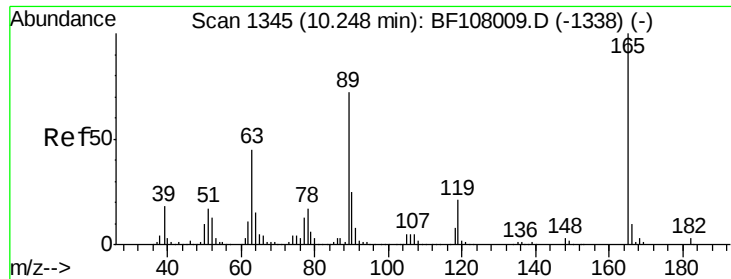
#50
2,6-Dinitrotoluene
Concen: 8.815 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



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

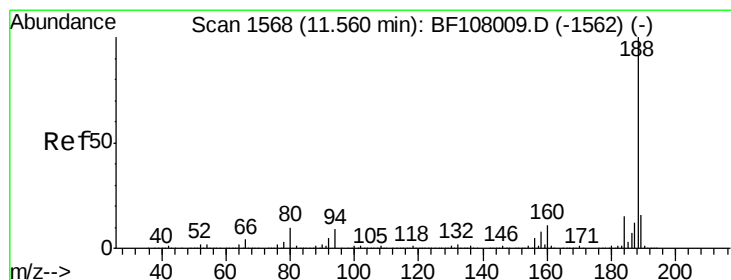
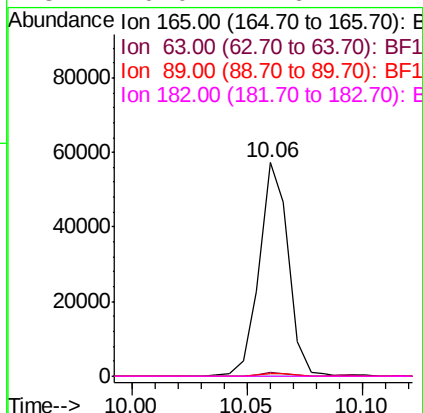
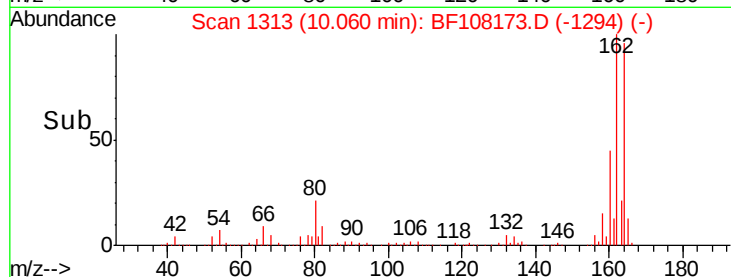
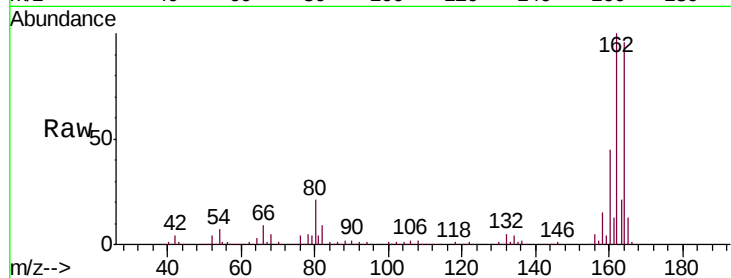




#56
2,4-Dinitrotoluene
Concen: 6.848 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

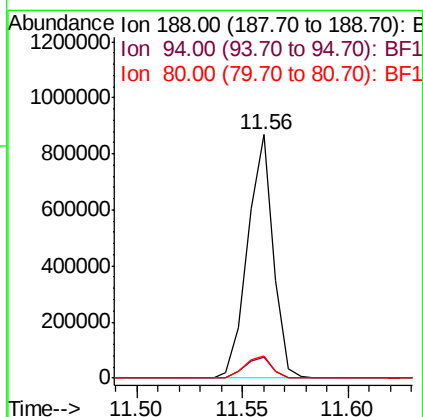
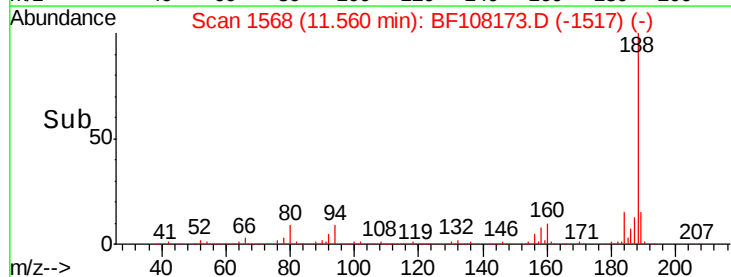
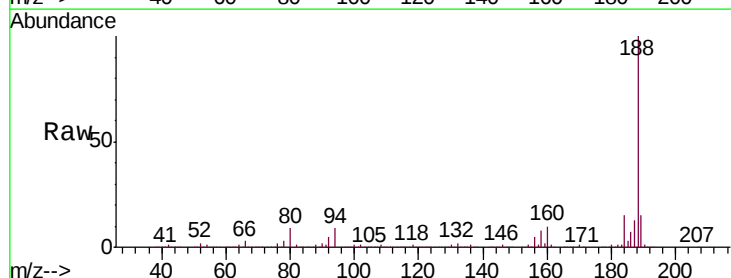
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

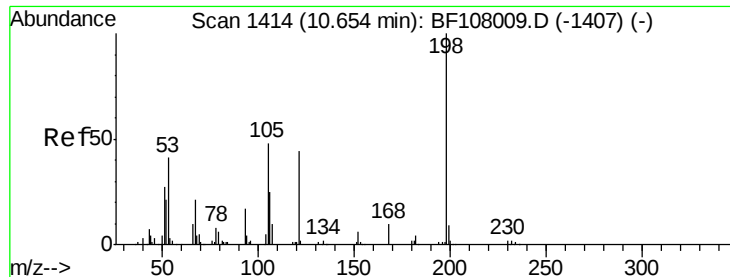
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.3	9.2	13.8

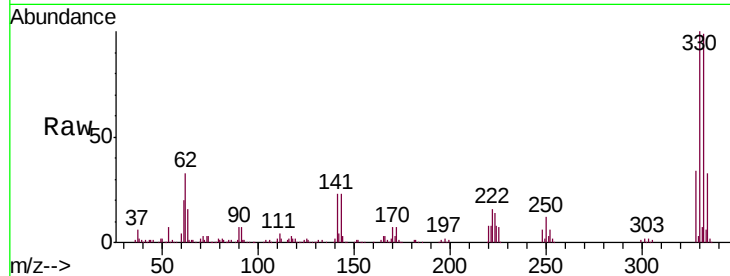




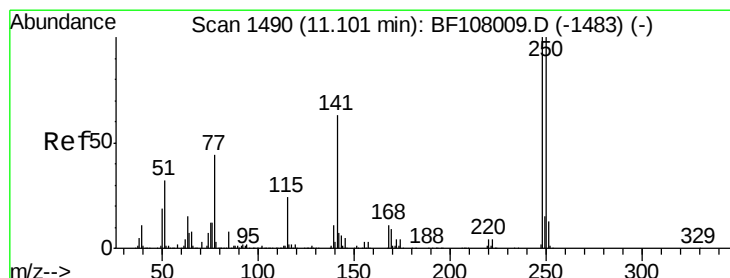
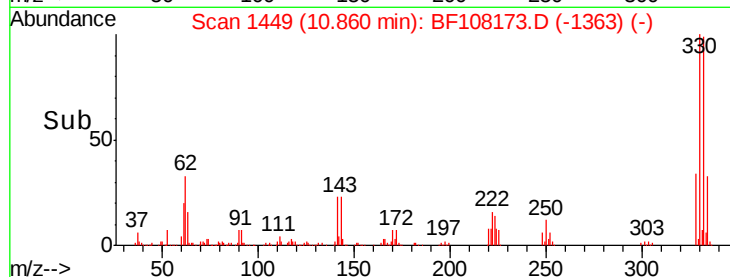
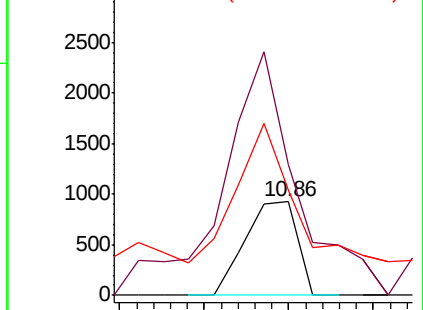
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.616 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Tgt Ion:198 Resp: 794
 Ion Ratio Lower Upper
 198 100
 51 139.2 37.7 77.7#
 105 113.1 36.3 76.3#

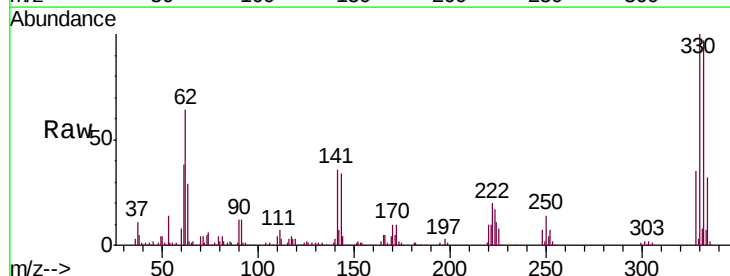


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

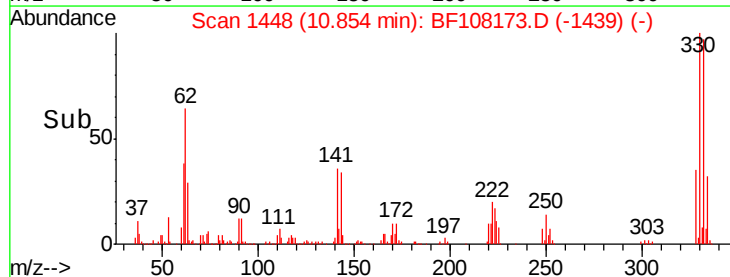
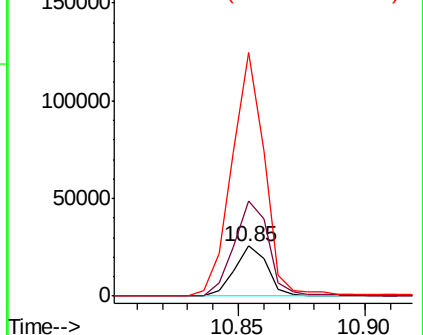


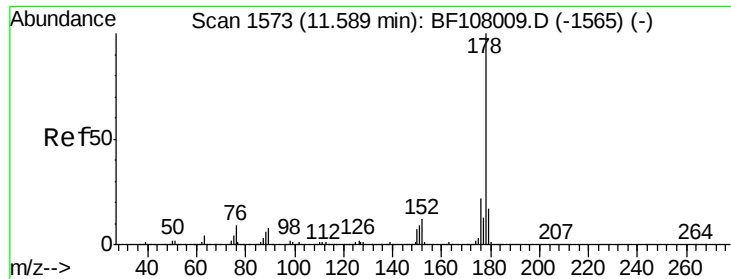
#66
 4-Bromophenyl-phenylether
 Concen: 2.853 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Tgt Ion:248 Resp: 22603
 Ion Ratio Lower Upper
 248 100
 250 191.5 76.9 115.3#
 141 489.5 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

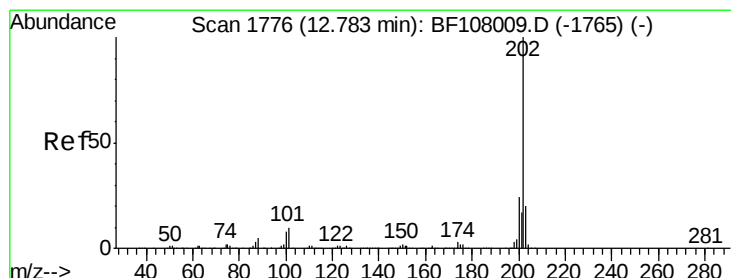
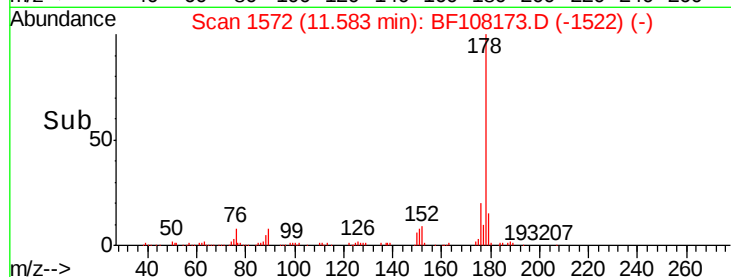
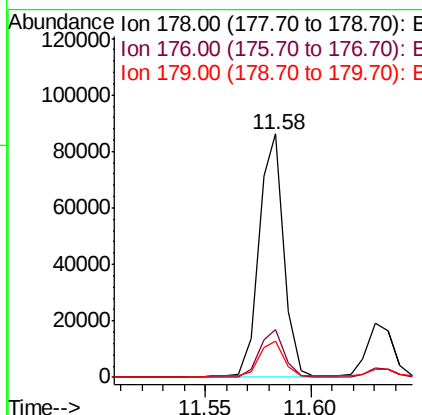
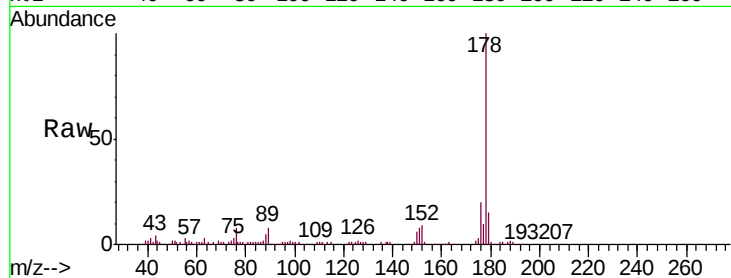




#70
Phenanthrene
Concen: 2.060 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

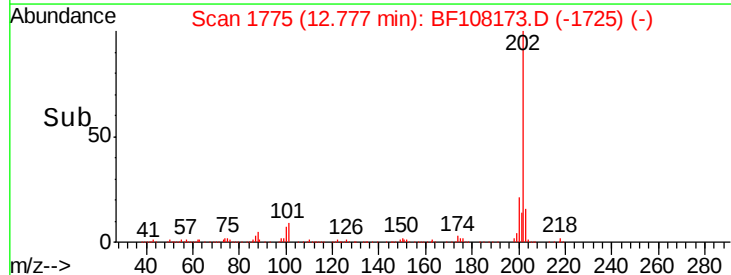
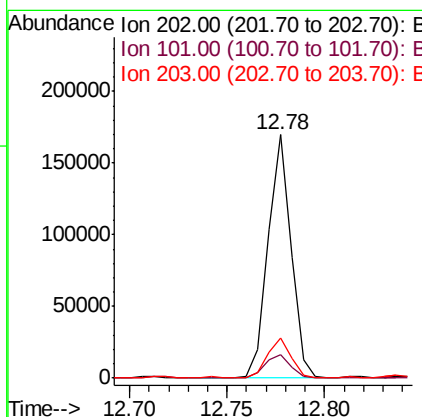
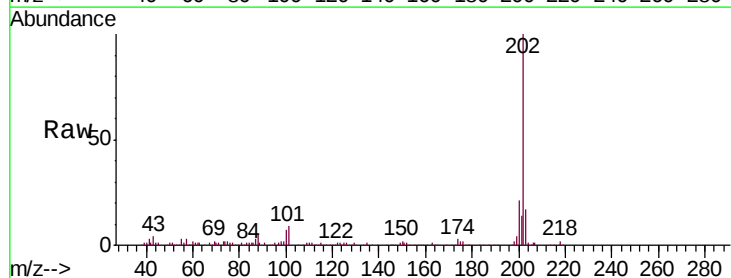
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

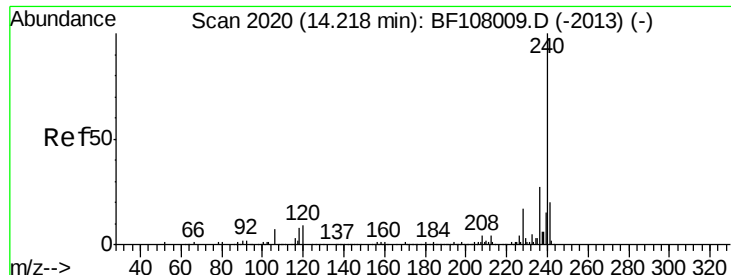
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.1	13.0	19.6



#74
Fluoranthene
Concen: 3.717 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

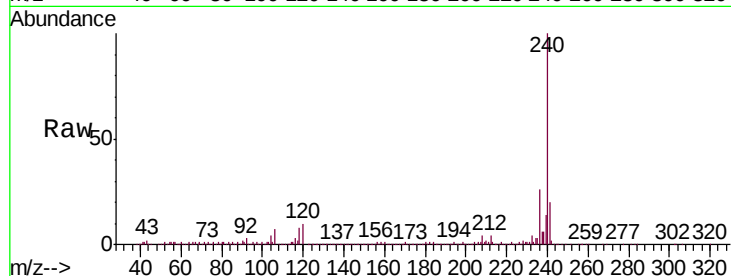
Tgt Ion:240 Resp: 440403

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

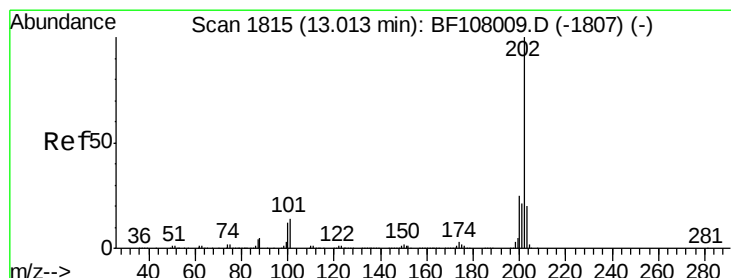
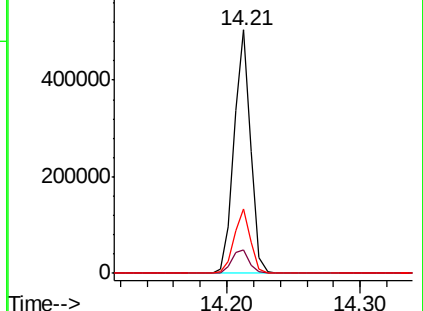
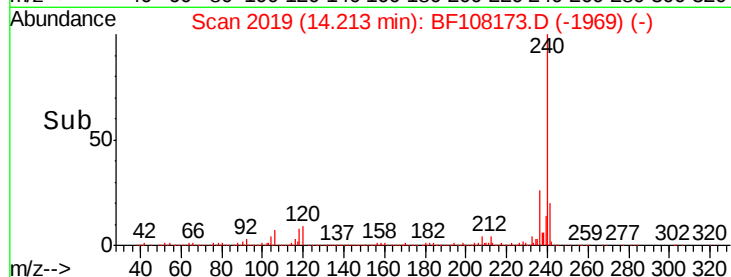
236 26.5 20.7 31.1



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



#77

Pyrene

Concen: 4.553 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

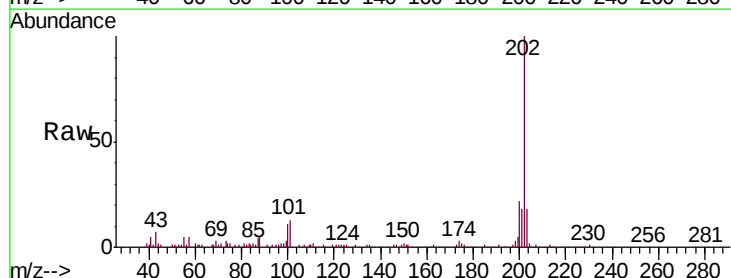
Tgt Ion:202 Resp: 126958

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

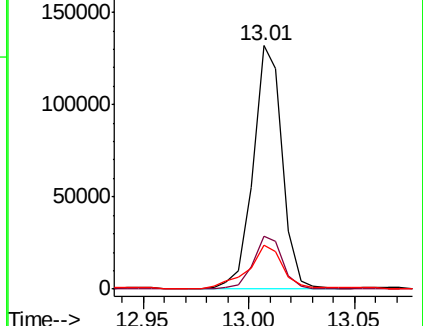
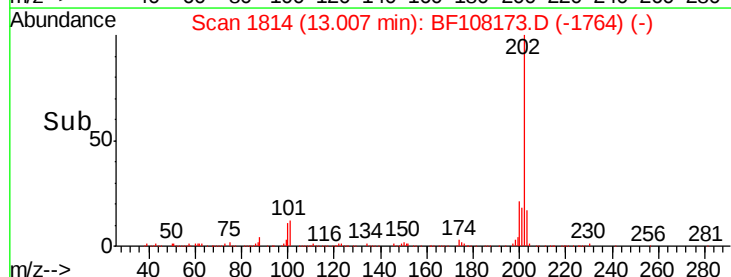
203 18.2 14.3 21.5

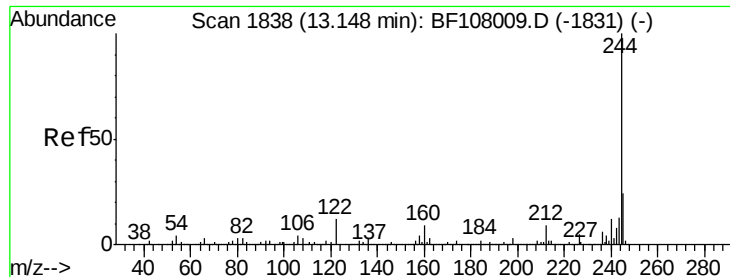


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.214 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

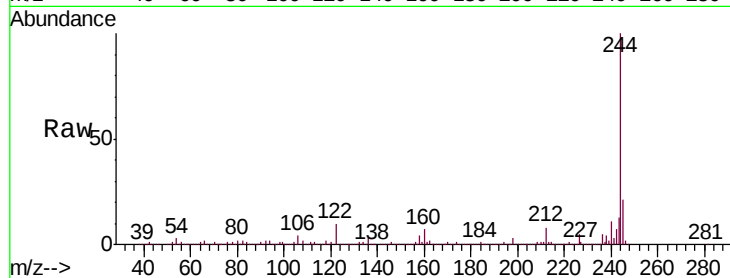
Tgt Ion:244 Resp: 1649214

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

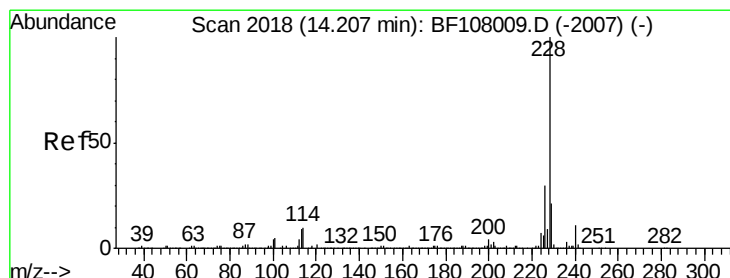
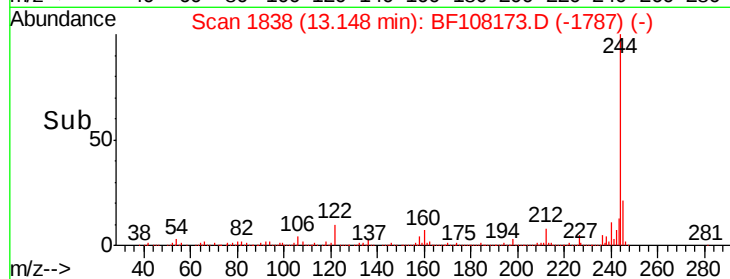
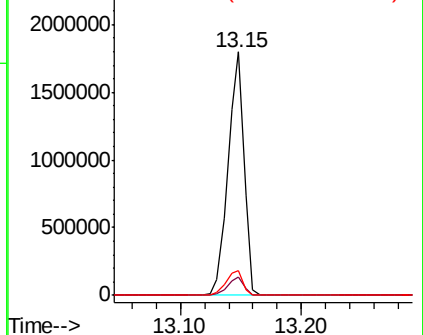
122 10.0 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.248 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

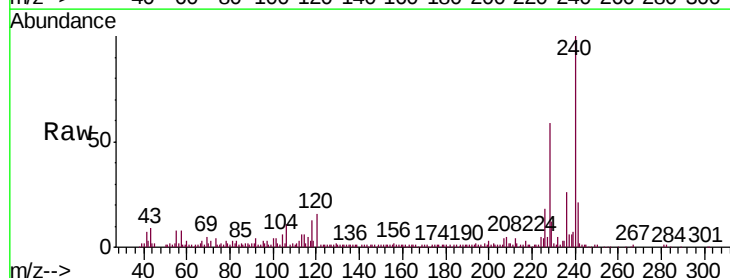
Tgt Ion:228 Resp: 56810

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

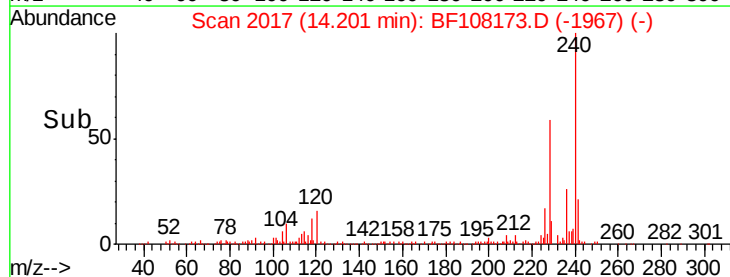
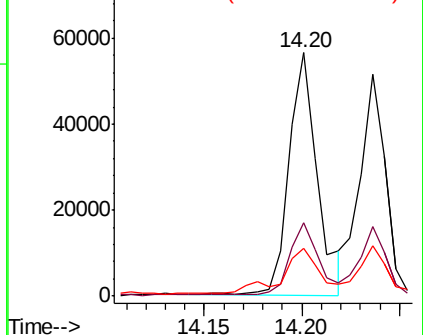
229 19.6 15.8 23.6

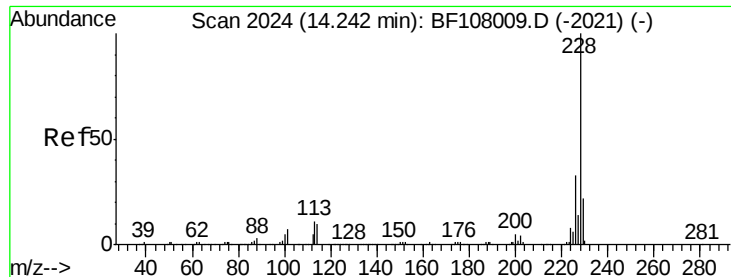


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.051 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

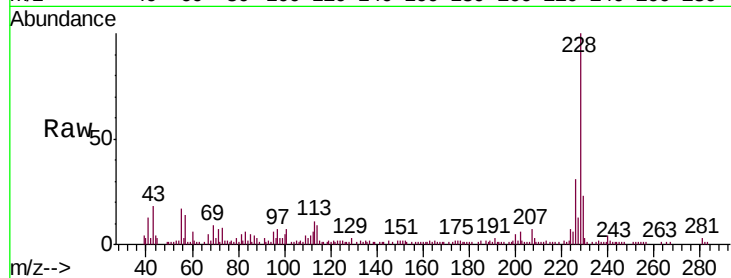
Tgt Ion: 228 Resp: 47514

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

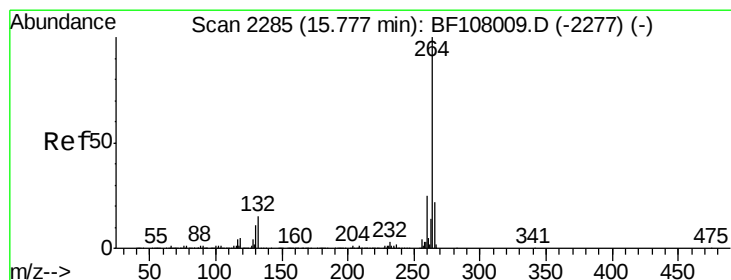
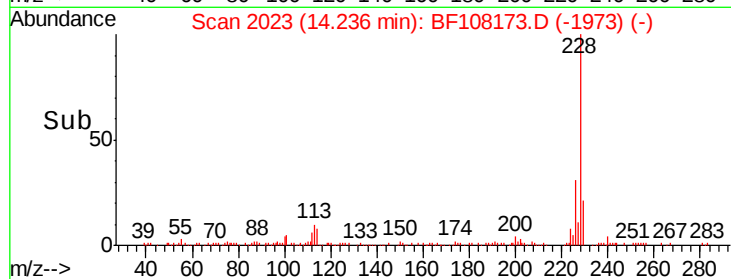
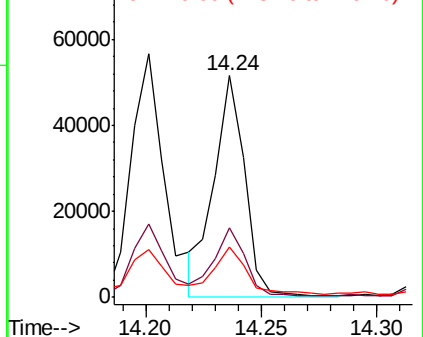
229 22.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

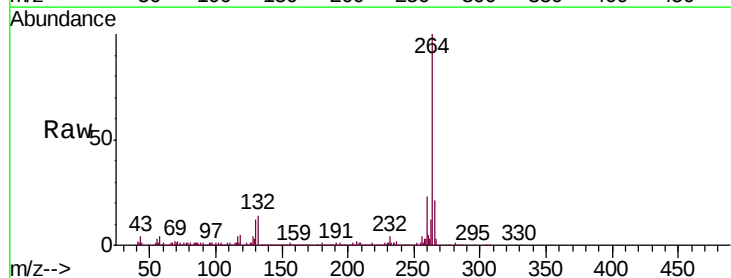
Tgt Ion: 264 Resp: 456878

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

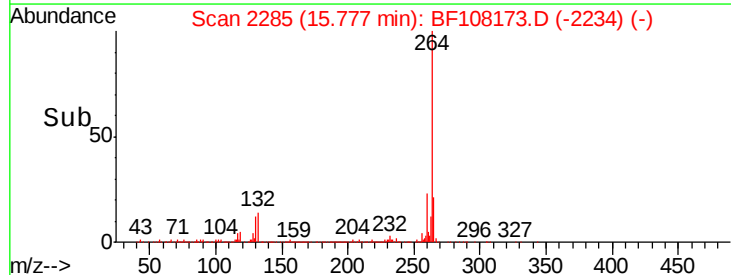
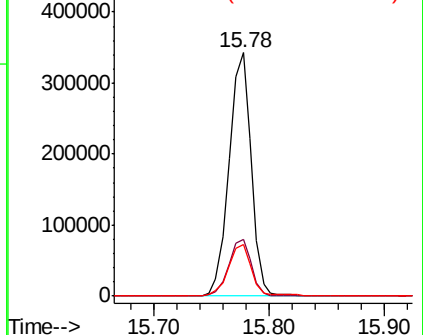
265 21.1 17.5 26.3

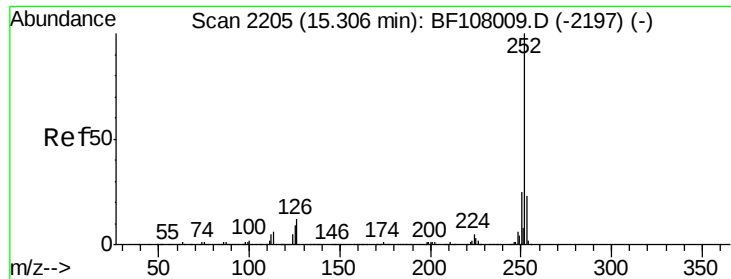


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

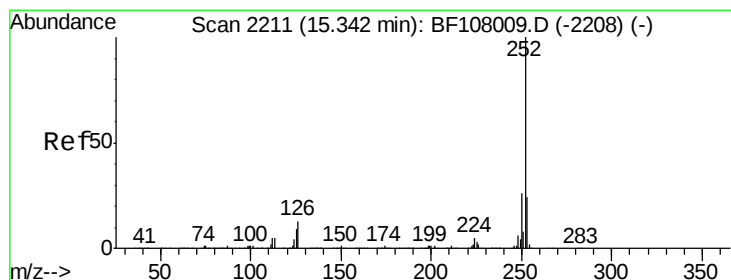
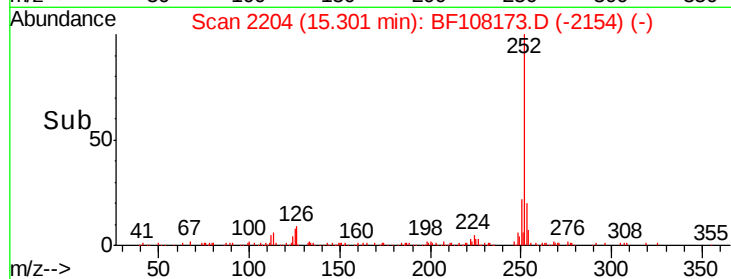
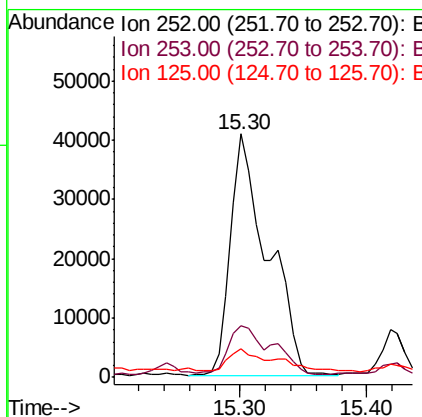
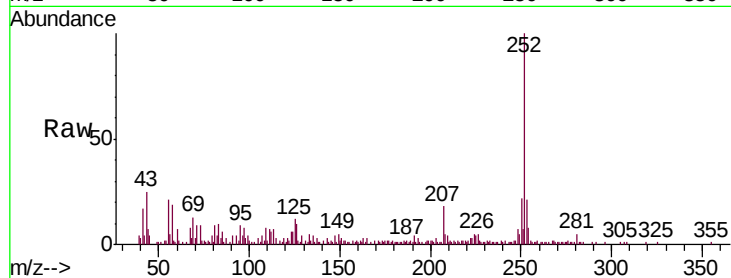




#87
Benzo(b)fluoranthene
Concen: 3.026 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.292 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	11.7	10.2	15.2

