

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112803.D
 Acq On : 1 Mar 2019 16:49
 Operator : JU/SJ
 Sample : K1670-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Quant Time: Mar 01 21:58:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	188249	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	699010	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	287532	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	469097	20.00	ng	0.00
76) Chrysene-d12	13.87	240	452022	20.00	ng	0.00
87) Perylene-d12	15.29	264	405701	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	570054	47.10	ng	0.00
7) Phenol-d6	6.37	99	743652	48.92	ng	0.00
23) Nitrobenzene-d5	7.30	82	426100	36.48	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	159254	52.17	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	733849	36.16	ng	0.00
79) Terphenyl-d14	12.83	244	610367	26.18	ng	0.00

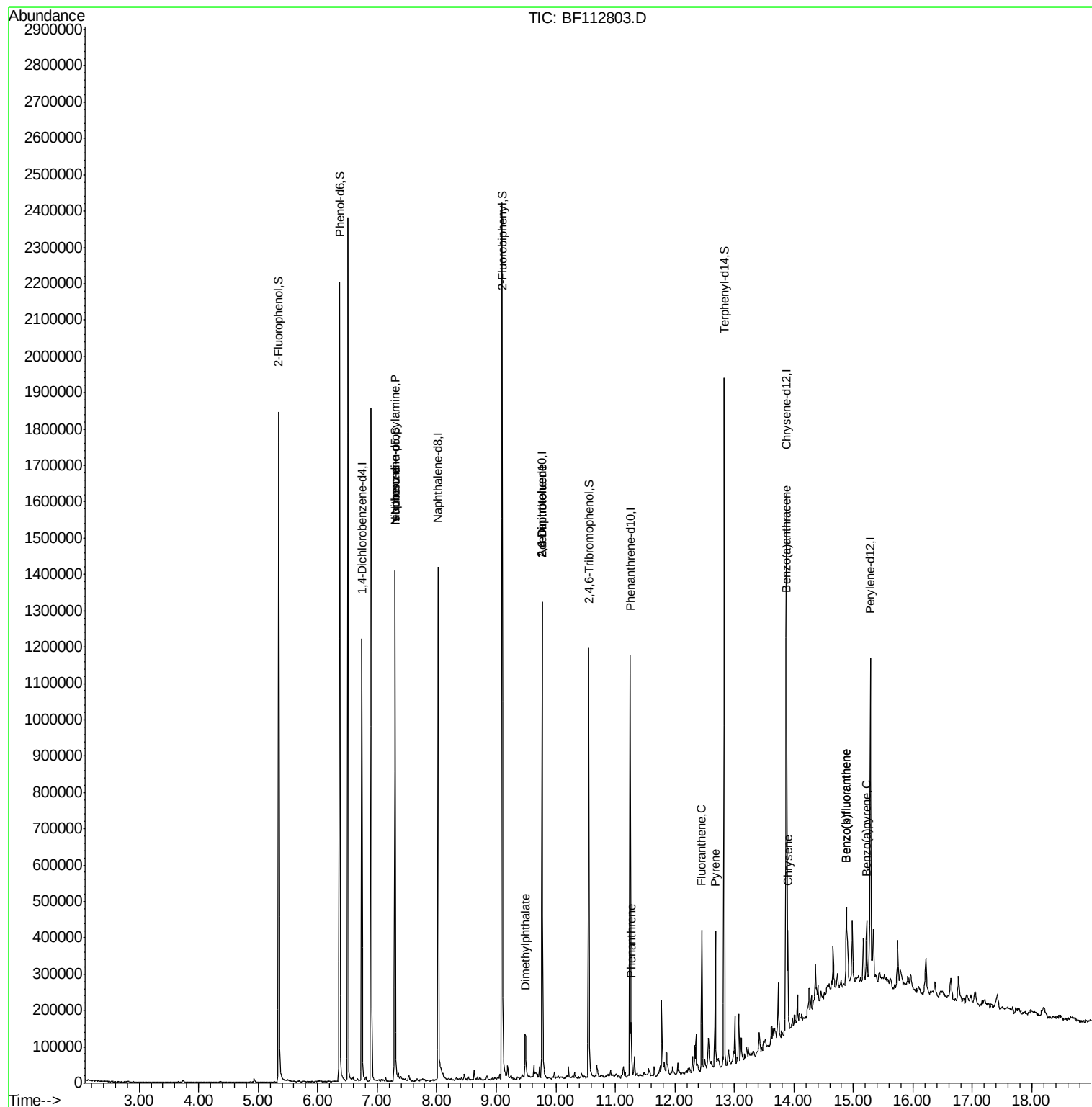
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	54495	5.660	ng	# 78
25) Isophorone	7.30	82	421067	16.731	ng	# 66
50) Dimethylphthalate	9.49	163	54237	2.558	ng	# 99
51) 2,6-Dinitrotoluene	9.77	165	36861	8.349	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	36862	6.717	ng	# 17
71) Phenanthrene	11.27	178	49054	2.102	ng	95
75) Fluoranthene	12.46	202	161378	6.454	ng	95
78) Pyrene	12.68	202	144753	3.799	ng	97
81) Benzo(a)anthracene	13.86	228	114950	3.669	ng	94
83) Chrysene	13.90	228	100361	3.270	ng	96
88) Benzo(b)fluoranthene	14.88	252	159279	6.070	ng	98
89) Benzo(k)fluoranthene	14.88	252	159279	6.701	ng	98
90) Benzo(a)pyrene	15.22	252	71433	3.078	ng	97

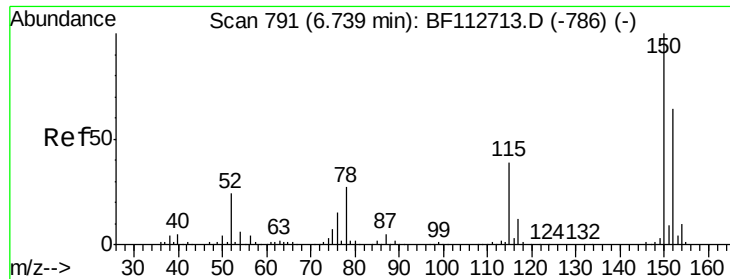
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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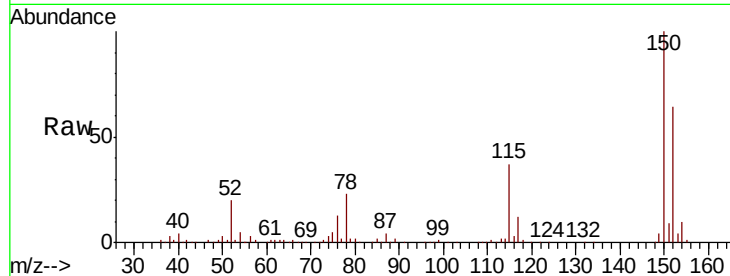


#1

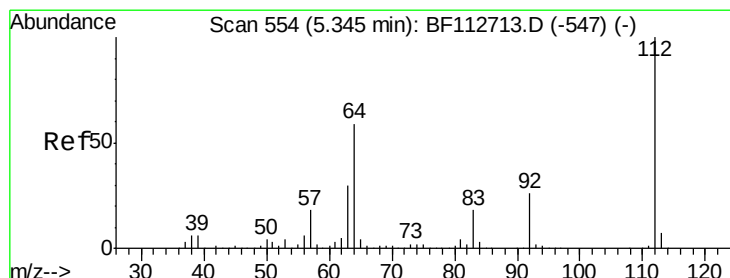
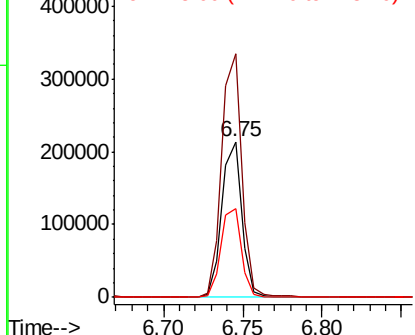
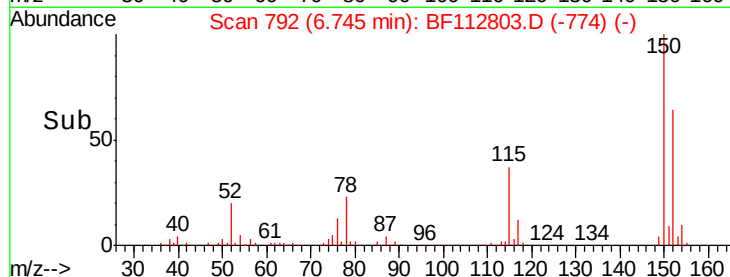
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tgt Ion:152 Resp: 188249
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.2 186.2
 115 57.3 48.2 72.4



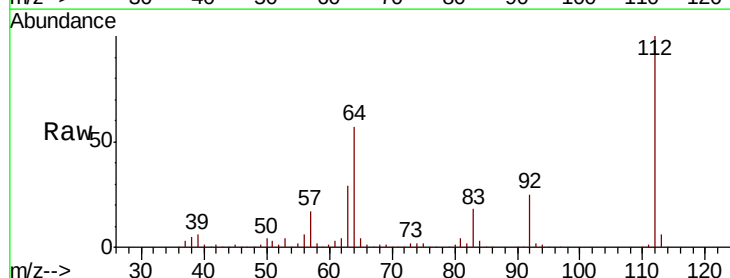
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



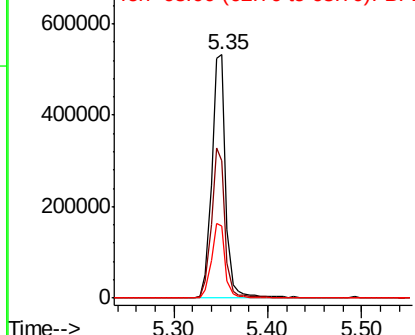
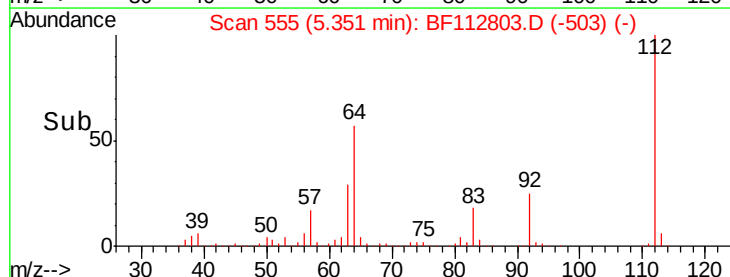
#5

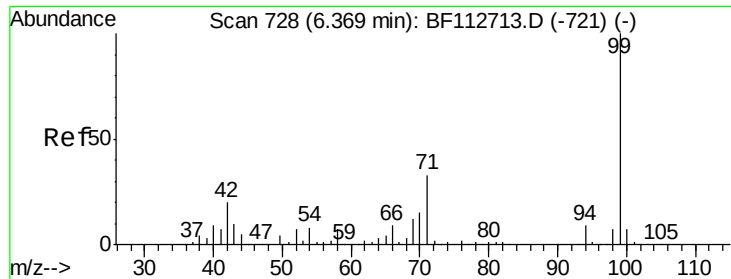
2-Fluorophenol
 Concen: 47.105 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

Tgt Ion:112 Resp: 570054
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.6 71.4
 63 29.4 24.4 36.6



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: 48.918 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112803.D

Acq: 1 Mar 2019 16:49

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-A

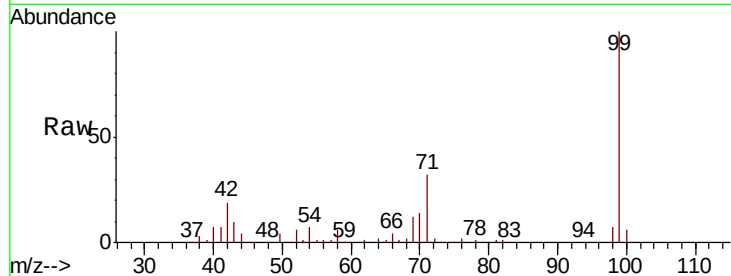
Tgt Ion: 99 Resp: 743652

Ion Ratio Lower Upper

99 100

42 19.3 16.3 24.5

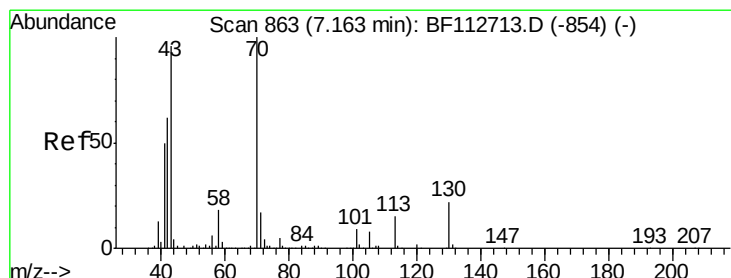
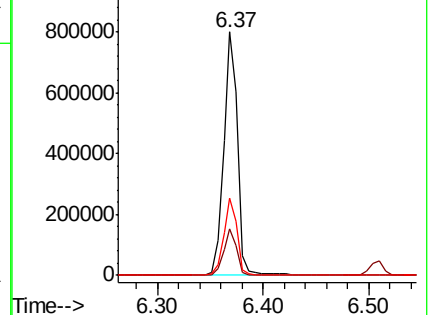
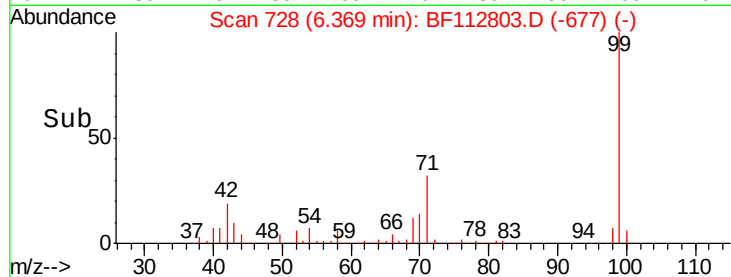
71 31.6 26.2 39.4



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: 5.660 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112803.D

Acq: 1 Mar 2019 16:49

Tgt Ion: 70 Resp: 54495

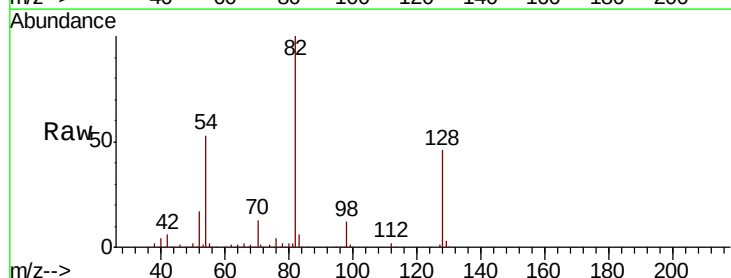
Ion Ratio Lower Upper

70 100

42 50.6 49.9 74.9

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

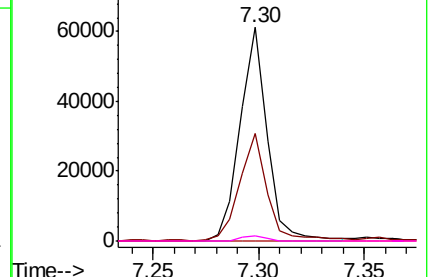
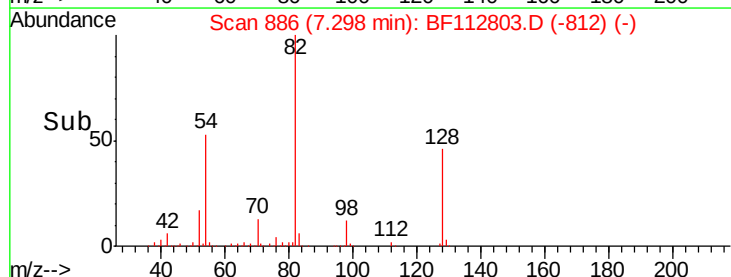


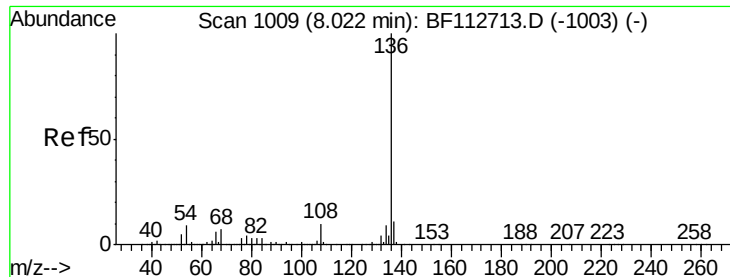
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

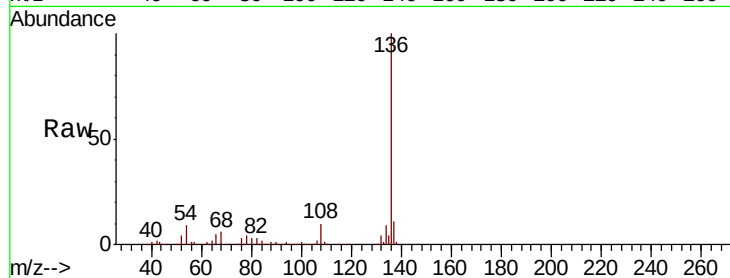




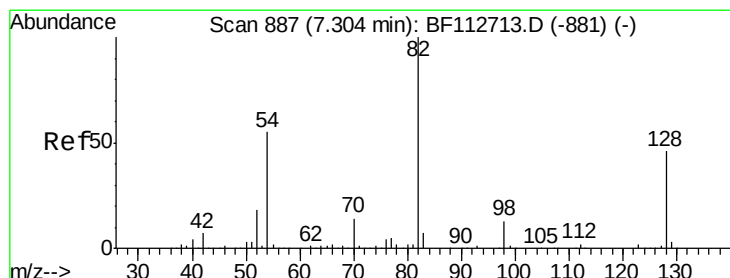
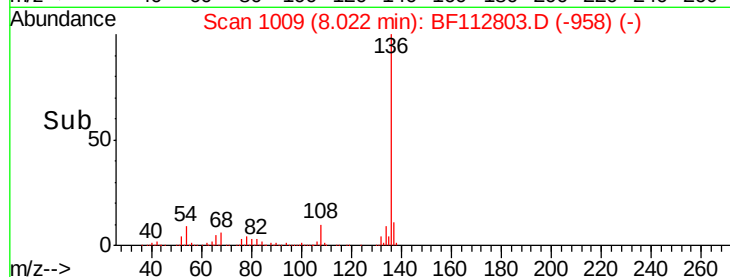
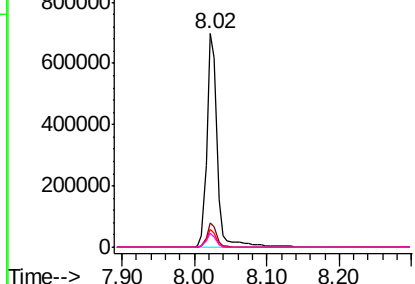
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tgt Ion:	136	Resp:	699010
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.3	10.9
68	6.4	5.4	8.2

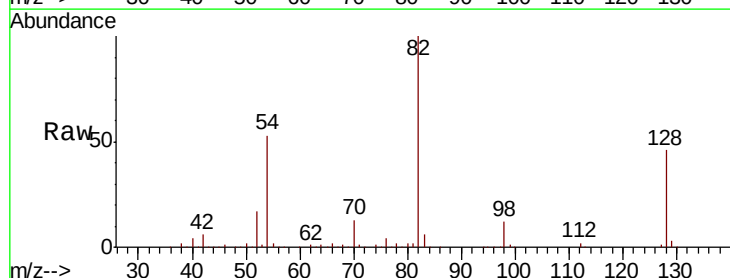


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

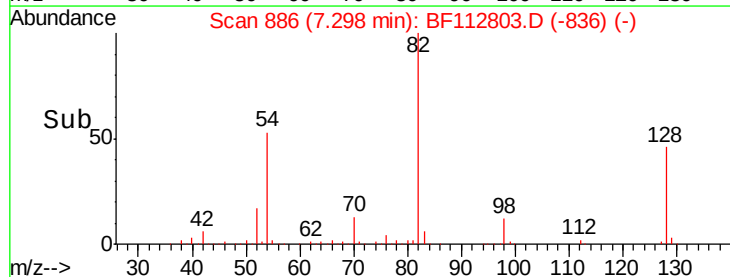
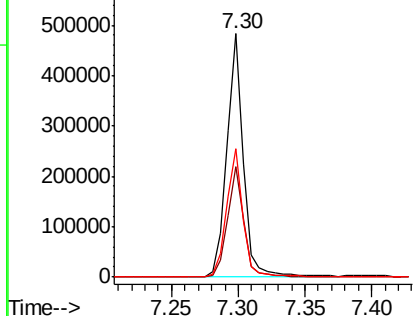


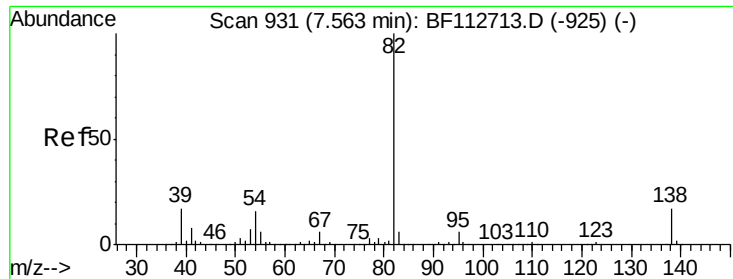
#23
Nitrobenzene-d5
Concen: 36.476 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:	82	Resp:	426100
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.3	54.5
54	52.5	43.7	65.5



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

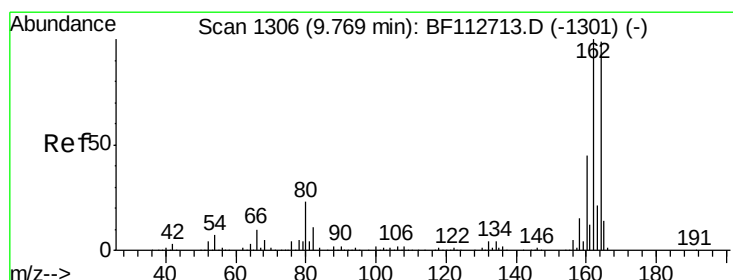
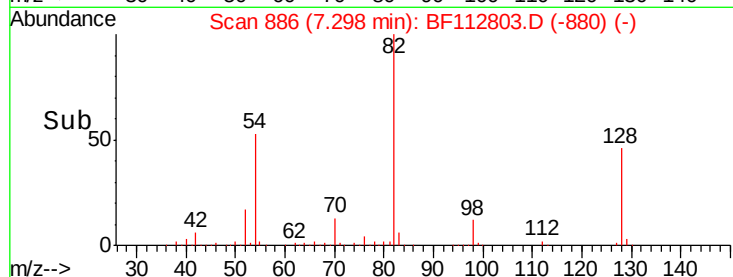
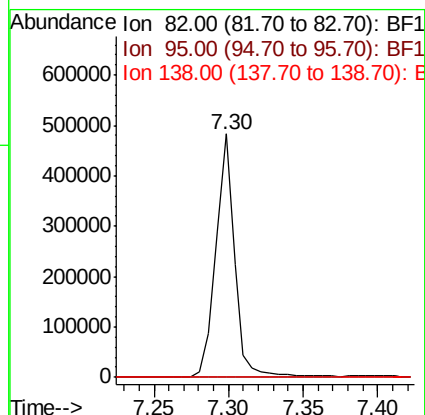
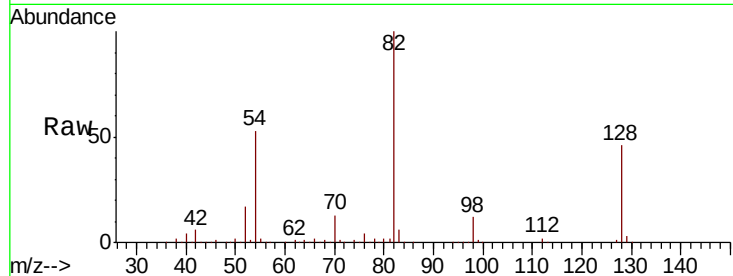




#25
Isophorone
Concen: 16.731 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

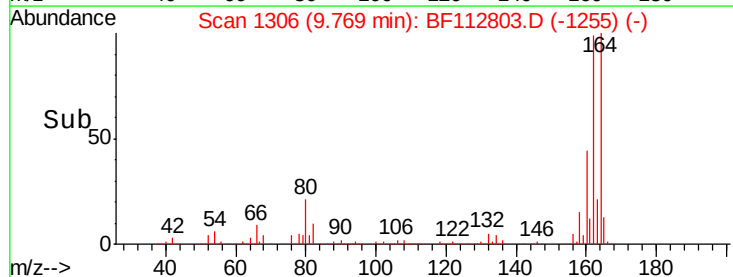
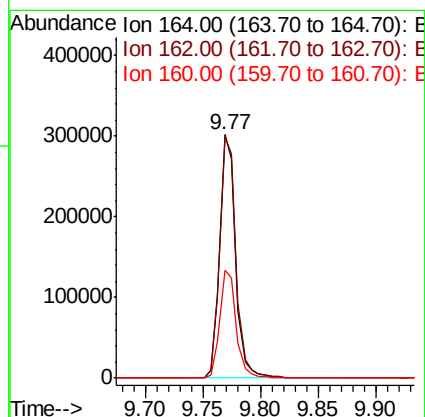
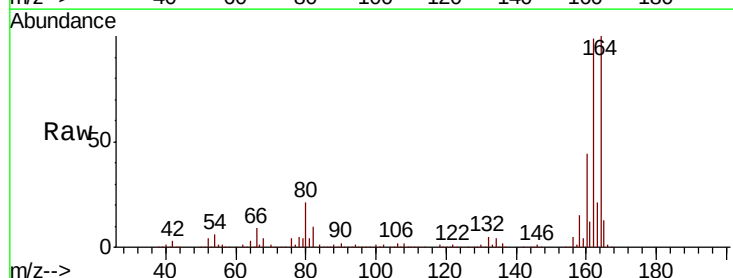
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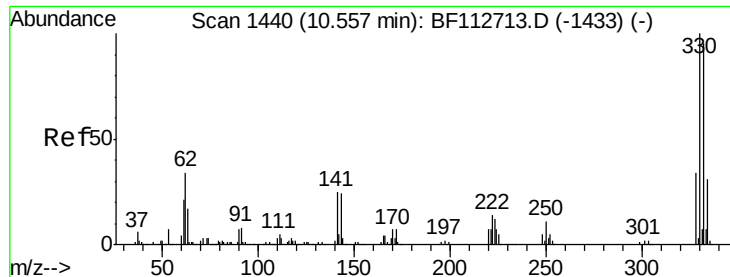
Tgt Ion: 82 Resp: 421067
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion: 164 Resp: 287532
Ion Ratio Lower Upper
164 100
162 98.8 80.6 120.8
160 44.3 36.0 54.0

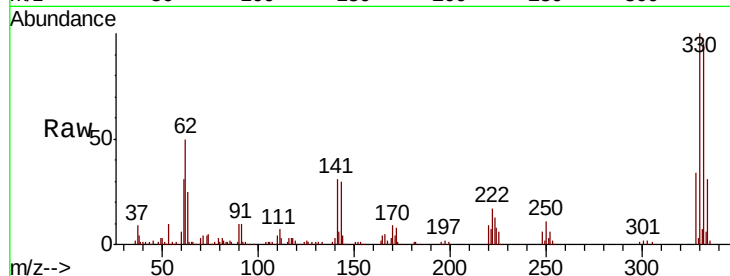




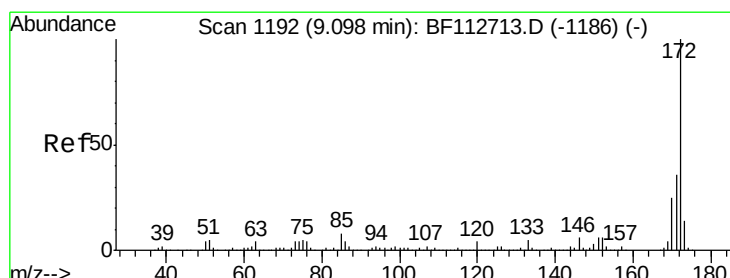
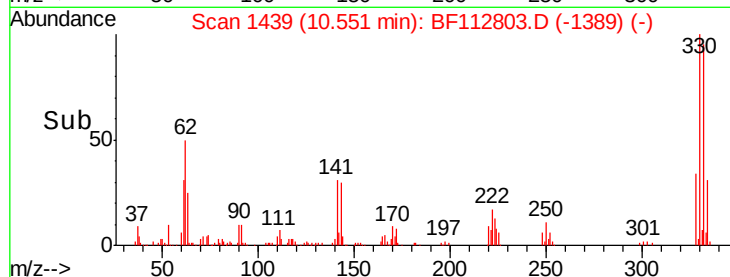
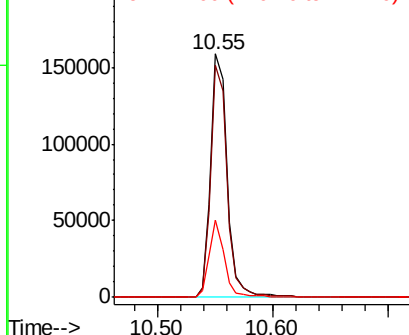
#42
 2,4,6-Tribromophenol
 Concen: 52.171 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

Tgt Ion:330 Resp: 159254
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.2 114.4
 141 29.3 27.0 40.6

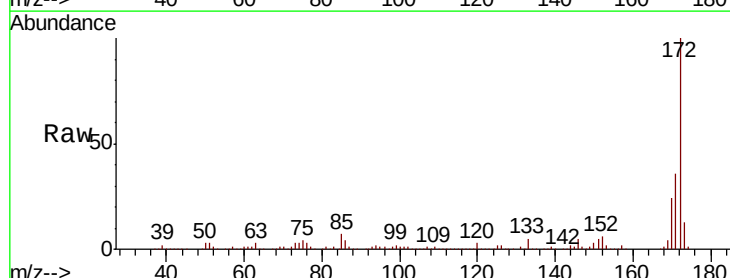


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

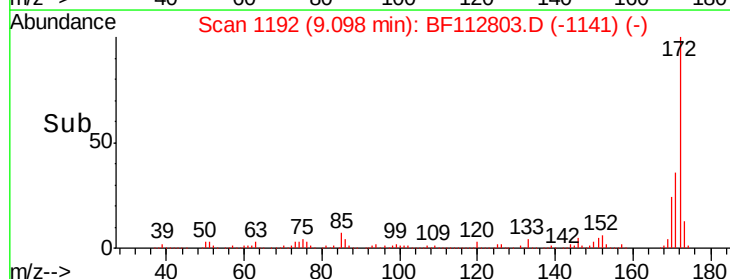
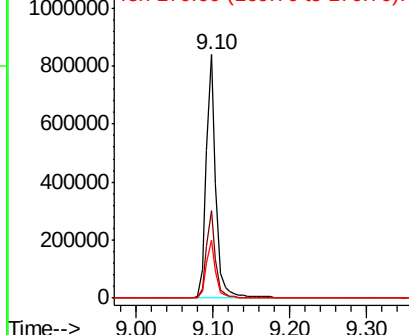


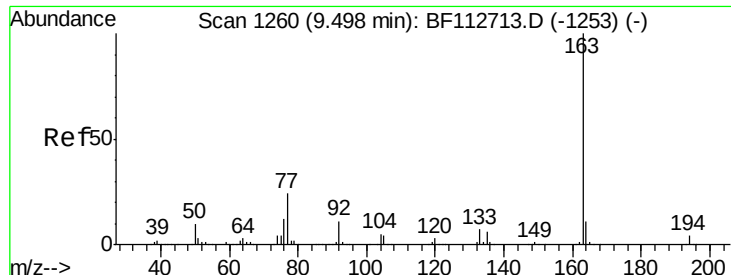
#45
 2-Fluorobiphenyl
 Concen: 36.158 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

Tgt Ion:172 Resp: 733849
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 23.7 20.0 30.0



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

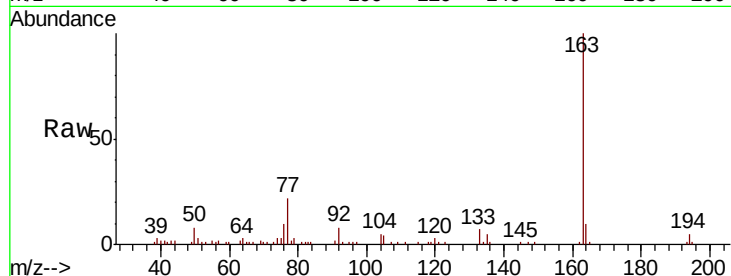




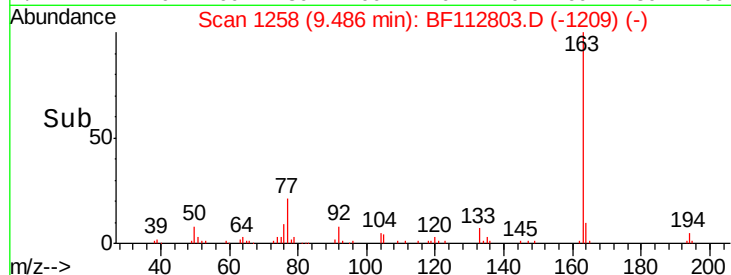
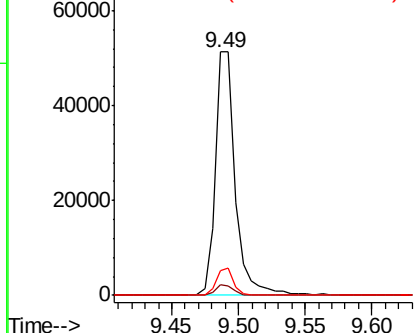
#50
Dimethylphthalate
Concen: 2.558 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tgt Ion:163 Resp: 54237
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.4#
164 10.3 8.4 12.6

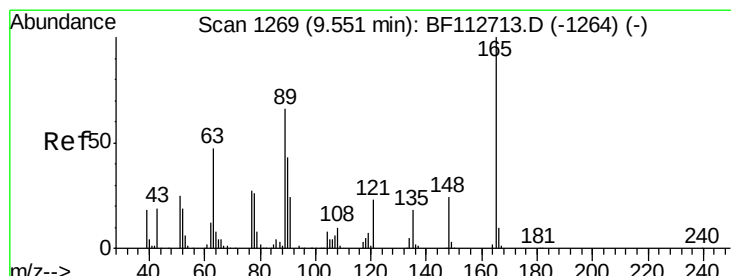


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

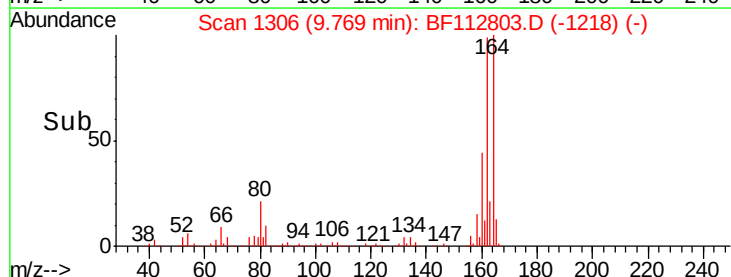
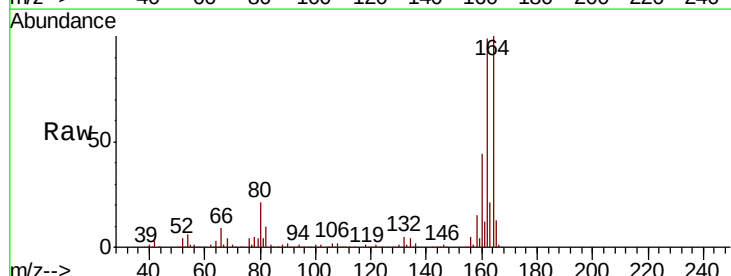
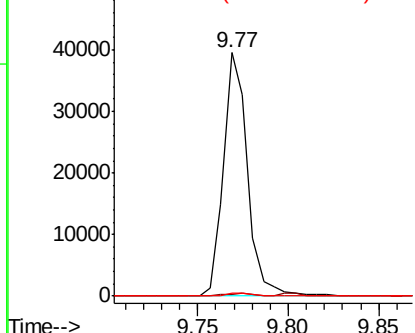


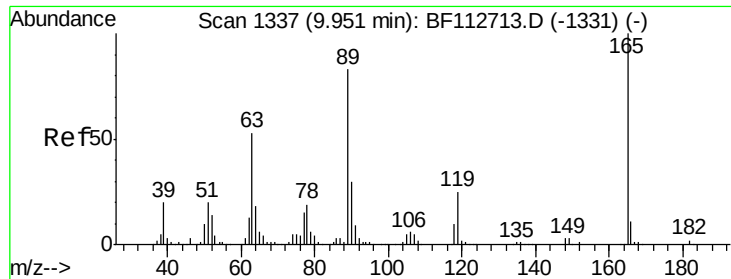
#51
2,6-Dinitrotoluene
Concen: 8.349 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:165 Resp: 36861
Ion Ratio Lower Upper
165 100
63 0.9 54.1 81.1#
89 1.2 52.8 79.2#



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

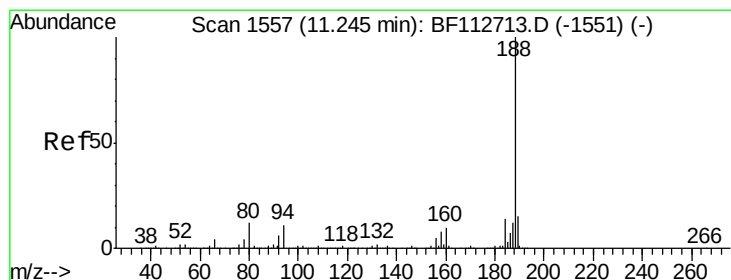
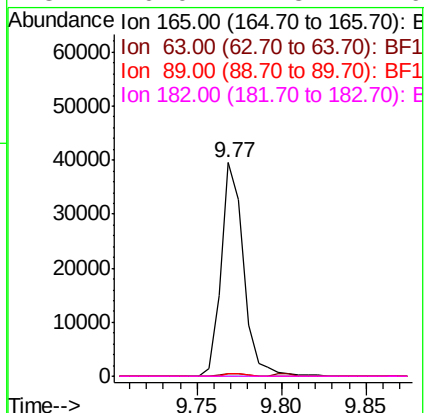
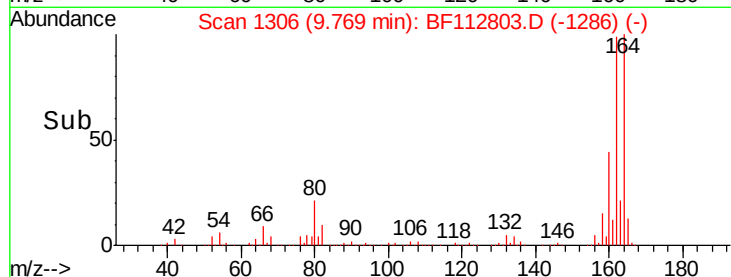
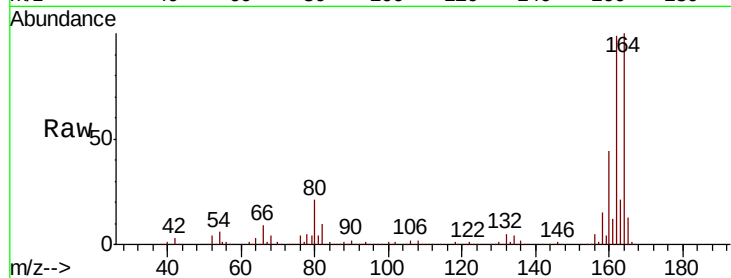




#57
2,4-Dinitrotoluene
Concen: 6.717 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

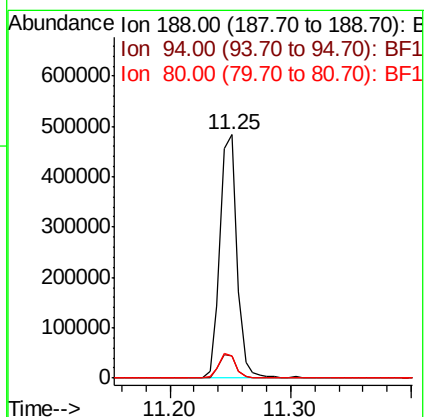
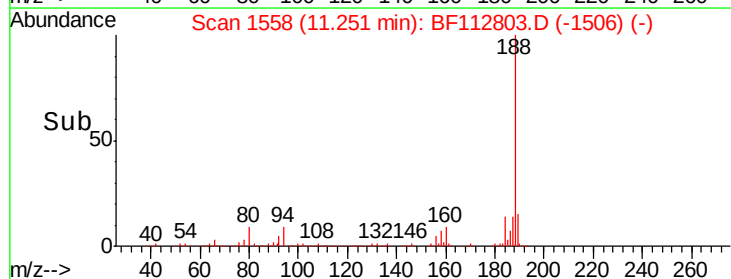
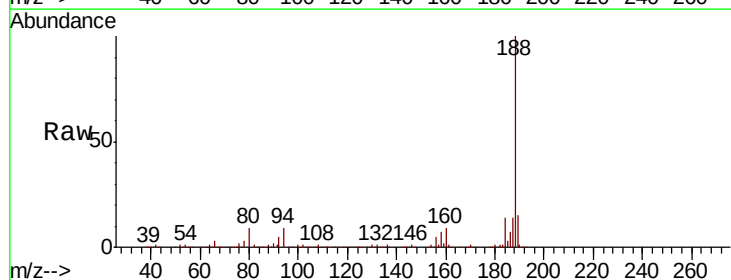
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

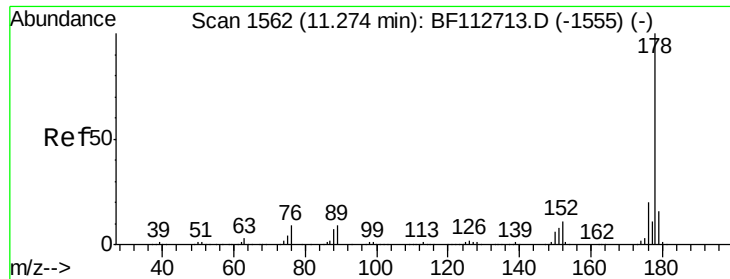
Tgt Ion:	165	Resp:	36862
Ion	Ratio	Lower	Upper
165	100		
63	0.9	42.2	63.2#
89	1.2	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:	188	Resp:	469097
Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.2	9.2	13.8#

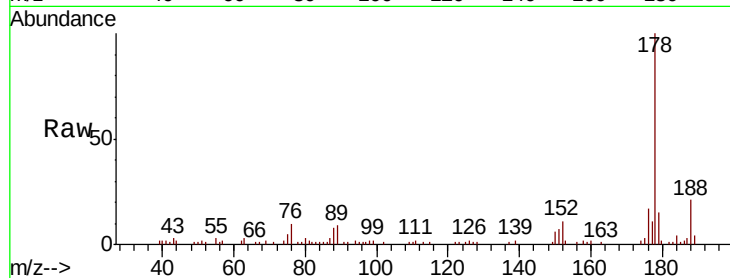




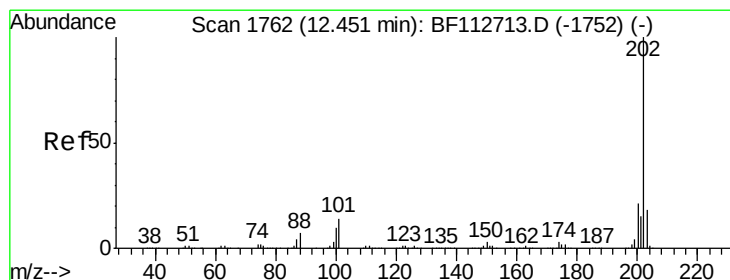
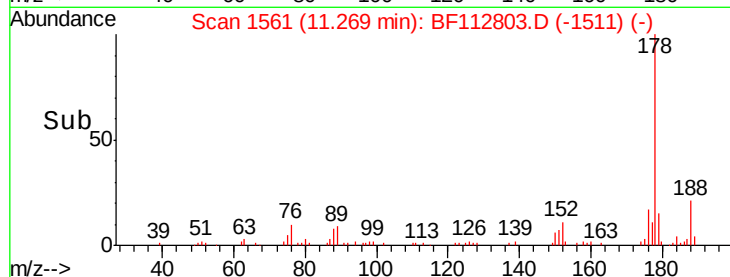
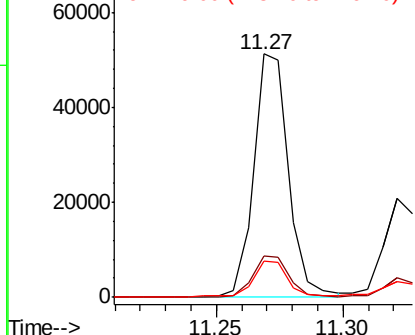
#71
Phenanthrene
Concen: 2.102 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tgt Ion:178 Resp: 49054
Ion Ratio Lower Upper
178 100
176 16.8 16.3 24.5
179 15.1 12.7 19.1

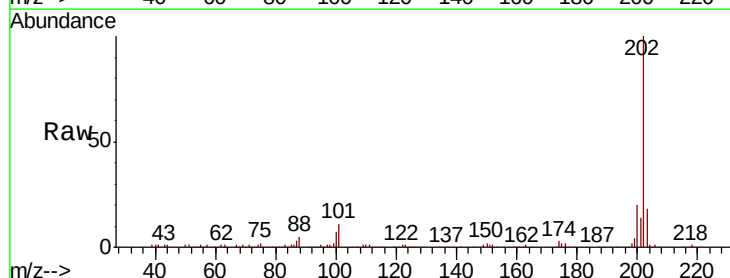


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

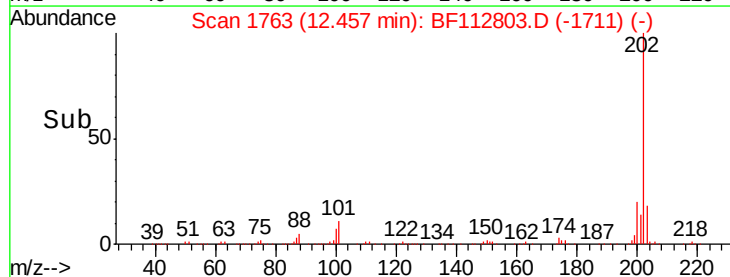
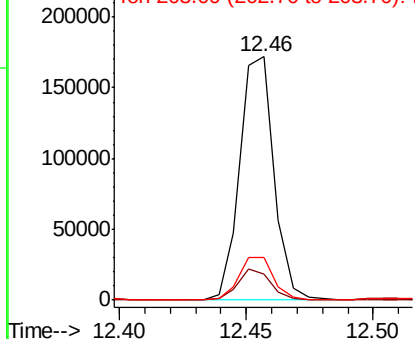


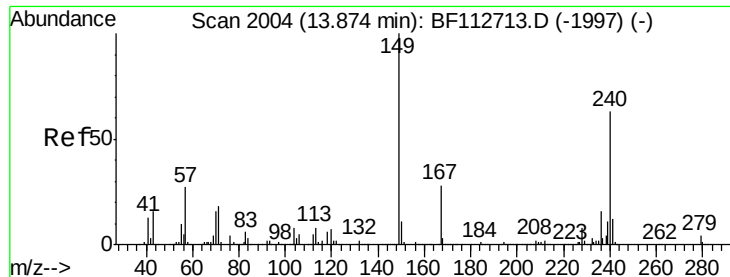
#75
Fluoranthene
Concen: 6.454 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:202 Resp: 161378
Ion Ratio Lower Upper
202 100
101 10.5 0.0 33.8
203 17.6 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

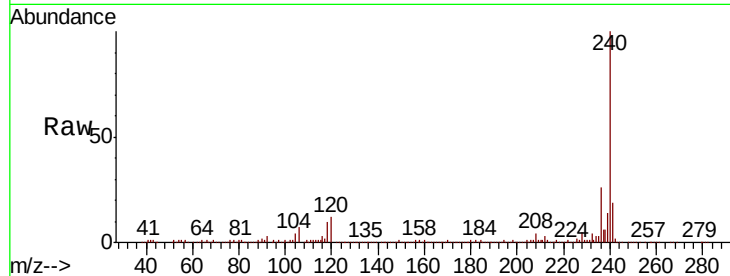




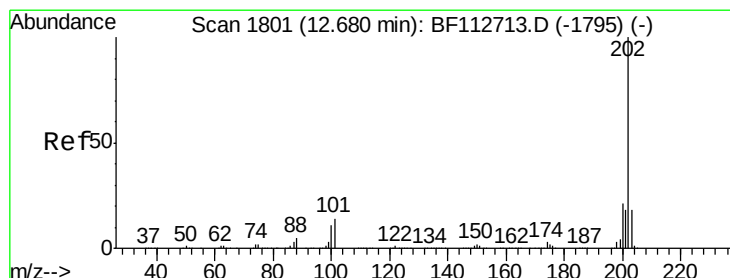
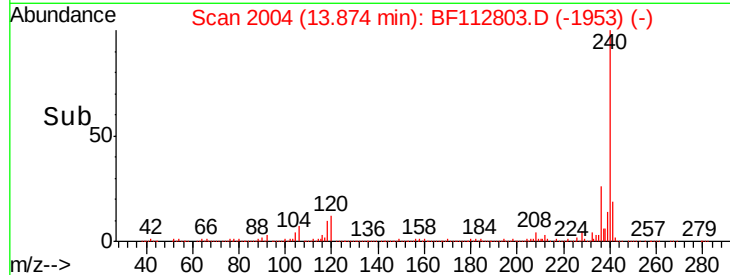
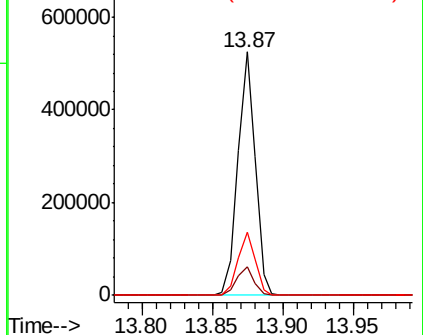
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tgt Ion:240 Resp: 452022
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 25.7 20.7 31.1

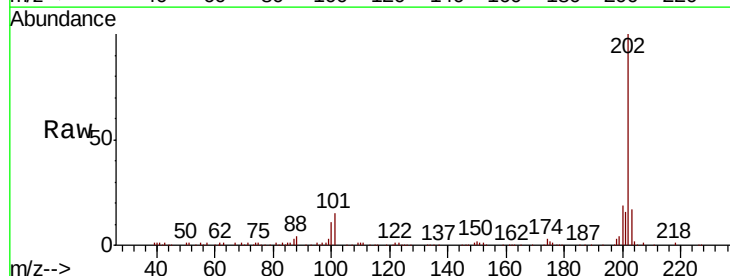


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

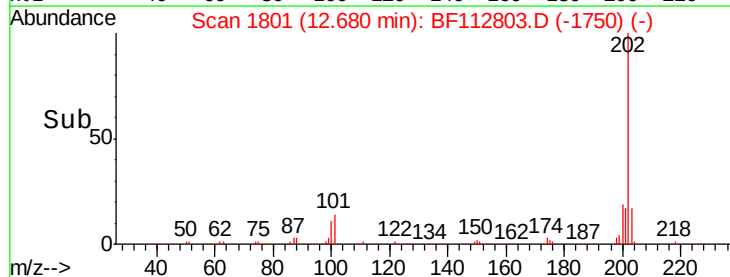
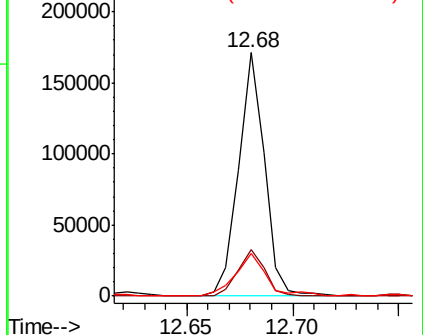


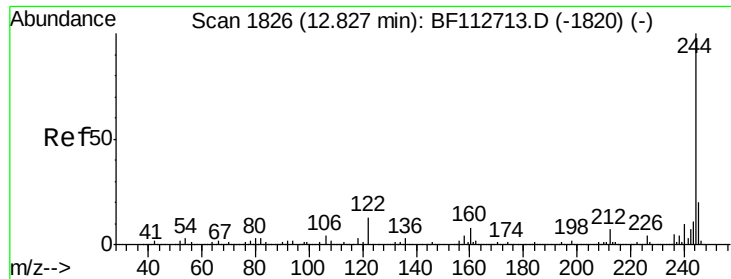
#78
Pyrene
Concen: 3.799 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:202 Resp: 144753
Ion Ratio Lower Upper
202 100
200 18.9 17.0 25.4
203 17.3 14.4 21.6



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

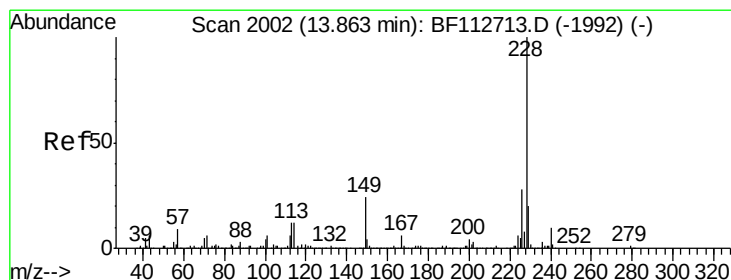
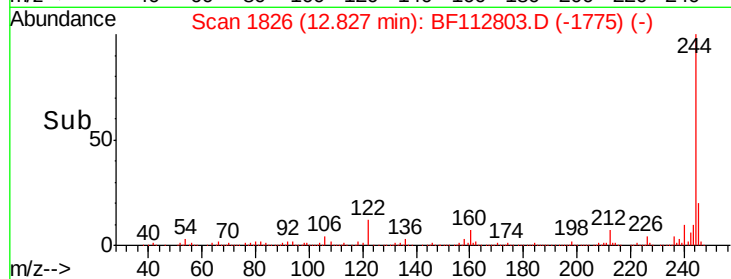
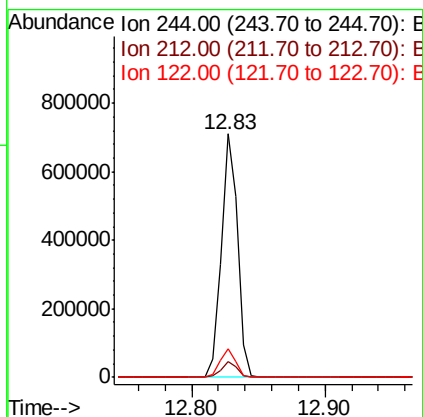
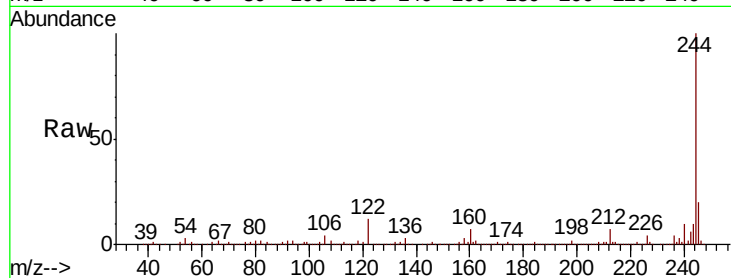




#79
 Terphenyl-d14
 Concen: 26.176 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

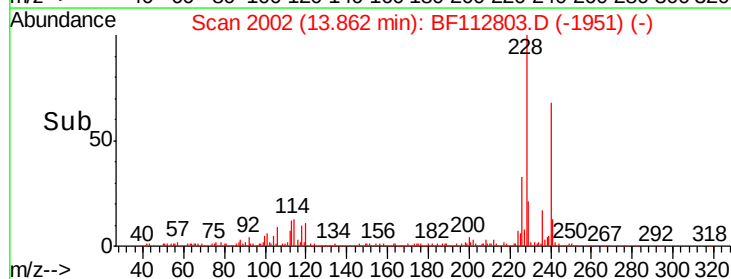
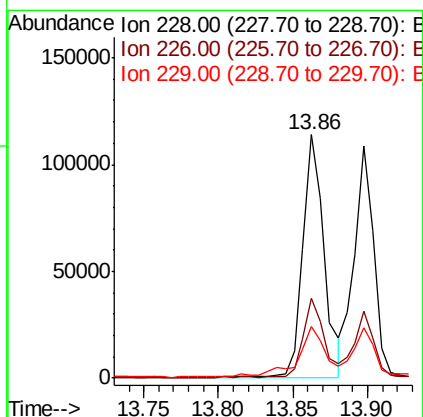
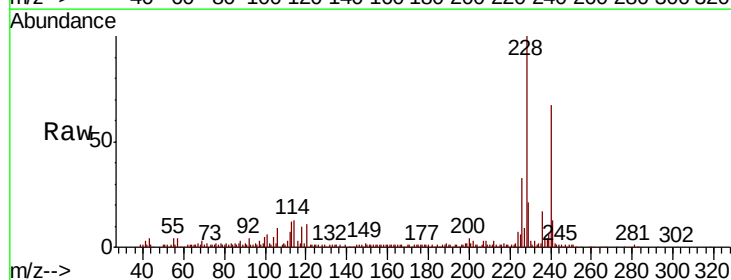
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-032-A

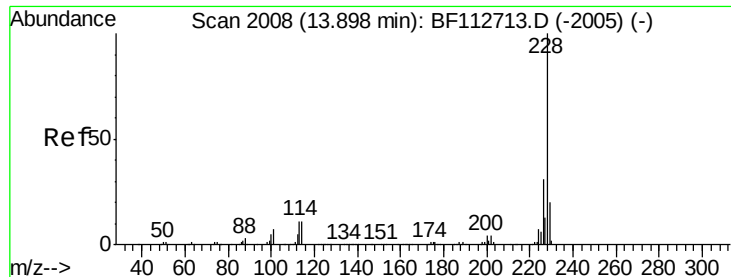
Tgt Ion:244 Resp: 610367
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.9 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 3.669 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF112803.D
 Acq: 1 Mar 2019 16:49

Tgt Ion:228 Resp: 114950
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.2 33.4
 229 21.1 16.0 24.0

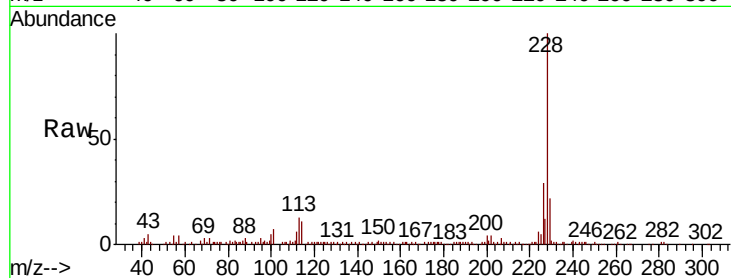




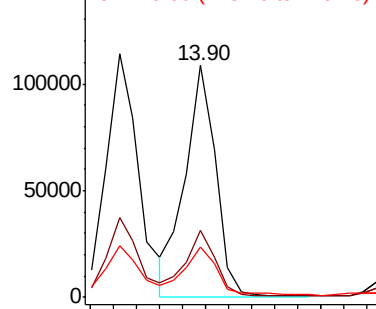
#83
Chrysene
Concen: 3.270 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

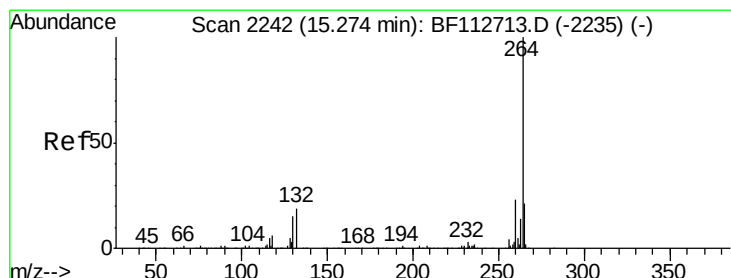
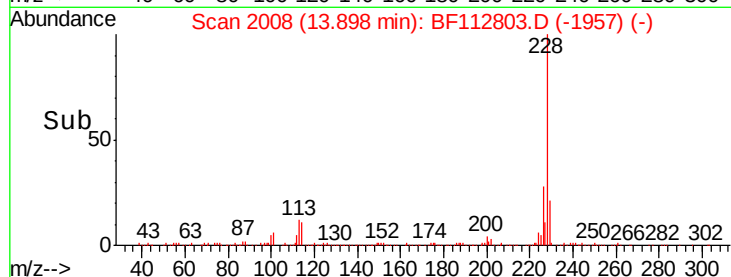
Tgt Ion: 228 Resp: 100361
Ion Ratio Lower Upper
228 100
226 28.8 24.9 37.3
229 21.6 16.3 24.5



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

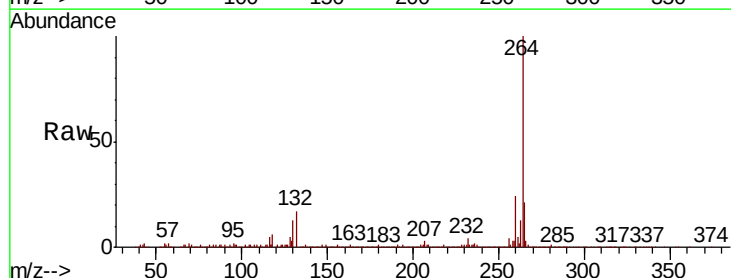


Time--> 13.85 13.90 13.95

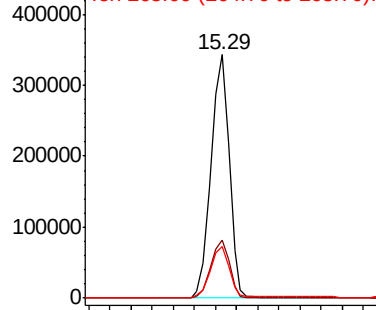


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

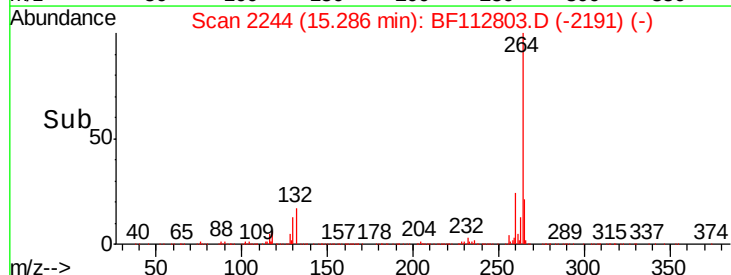
Tgt Ion: 264 Resp: 405701
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.3 17.2 25.8

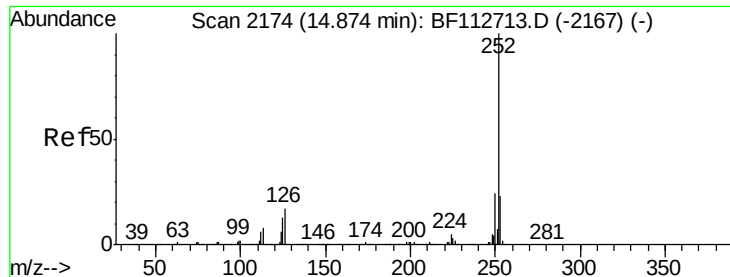


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 15.20 15.30 15.40

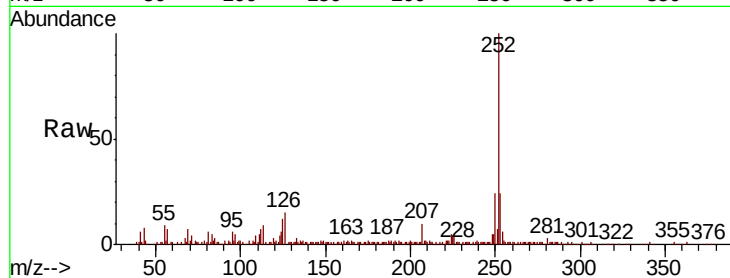




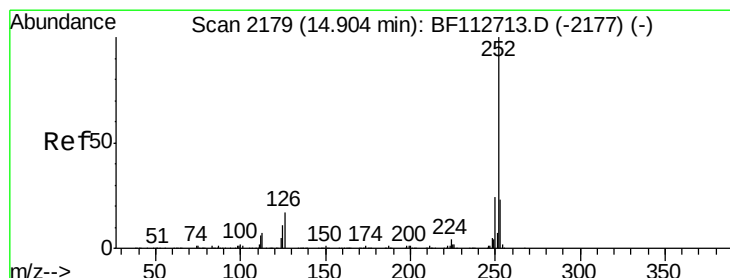
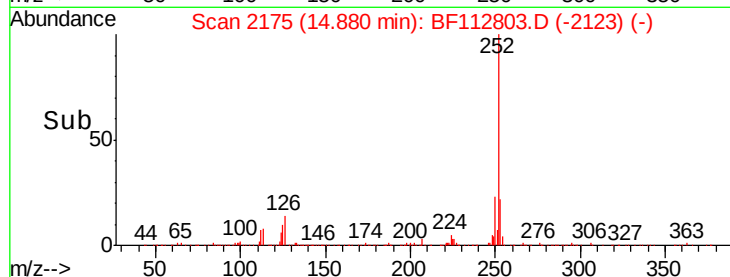
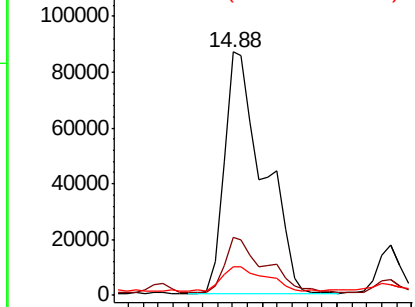
#88
Benzo(b)fluoranthene
Concen: 6.070 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-032-A

Tgt Ion:252 Resp: 159279
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.8 10.2 15.2

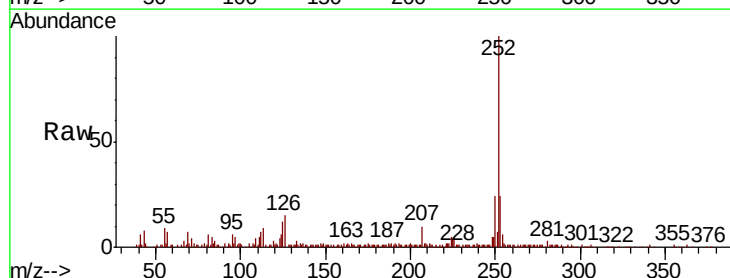


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

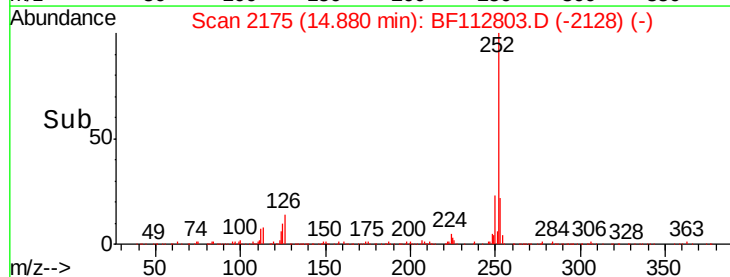
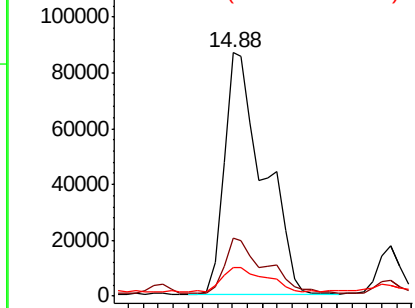


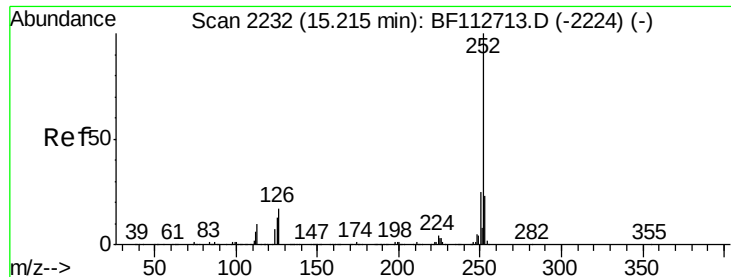
#89
Benzo(k)fluoranthene
Concen: 6.701 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112803.D
Acq: 1 Mar 2019 16:49

Tgt Ion:252 Resp: 159279
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 11.8 9.8 14.6



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





#90

Benzo(a)pyrene

Concen: 3.078 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112803.D

Acq: 1 Mar 2019 16:49

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-032-A

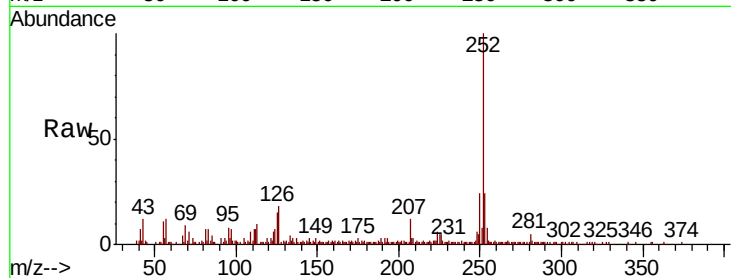
Tgt Ion:252 Resp: 71433

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 14.7 10.7 16.1



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

