

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113132.D
 Acq On : 19 Mar 2019 18:18
 Operator : JU/SJ
 Sample : K1951-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-B

Quant Time: Mar 20 01:47:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151599	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	552777	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	251371	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	430185	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	314307	20.00	ng	0.00
87) Perylene-d12	15.27	264	258465	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1000711	102.68	ng	0.00
7) Phenol-d6	6.37	99	1331800	108.79	ng	0.00
23) Nitrobenzene-d5	7.29	82	708789	76.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	302261	113.26	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1242589	80.85	ng	-0.01
79) Terphenyl-d14	12.82	244	1013555	62.51	ng	0.00

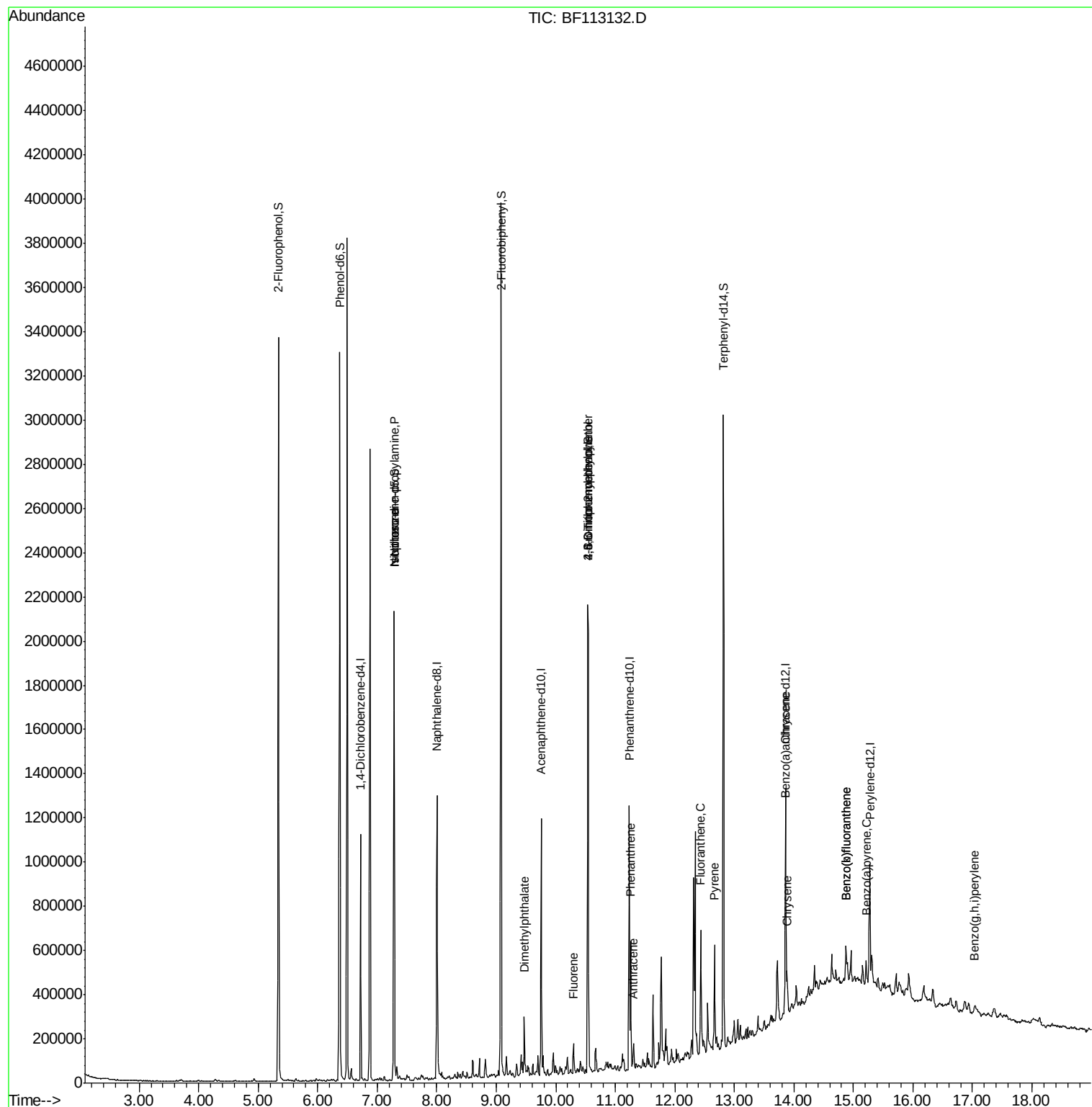
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	94121	12.139	ng	# 76
25) Isophorone	7.29	82	695207	34.932	ng	# 66
50) Dimethylphthalate	9.47	163	108278	5.842	ng	100
58) Fluorene	10.30	166	35096	2.141	ng	95
65) 4,6-Dinitro-2-methylphenol	10.54	198	663	4.952	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17627	3.890	ng	# 1
71) Phenanthrene	11.26	178	197792	9.241	ng	98
72) Anthracene	11.31	178	46903	2.093	ng	97
75) Fluoranthene	12.44	202	214424	9.351	ng	95
78) Pyrene	12.67	202	202295	7.635	ng	98
81) Benzo(a)anthracene	13.85	228	84598	3.884	ng	98
83) Chrysene	13.89	228	77792	3.646	ng	97
88) Benzo(b)fluoranthene	14.87	252	102381	6.124	ng	# 94
89) Benzo(k)fluoranthene	14.87	252	102381	6.761	ng	# 94
90) Benzo(a)pyrene	15.22	252	55405	3.747	ng	97
92) Benzo(g,h,i)perylene	17.04	276	27586	2.177	ng	# 91

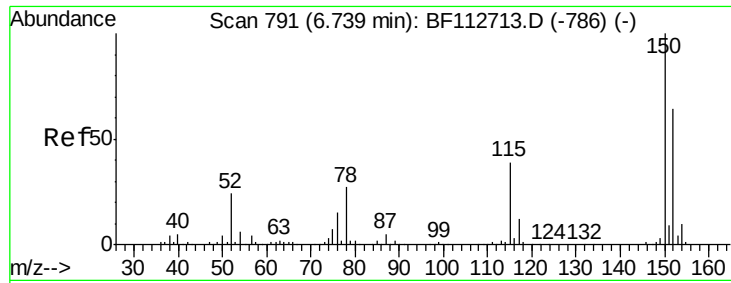
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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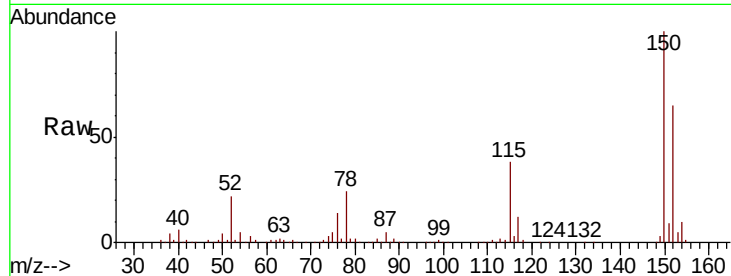


#1

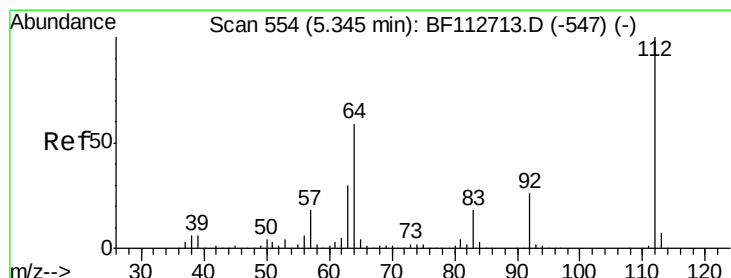
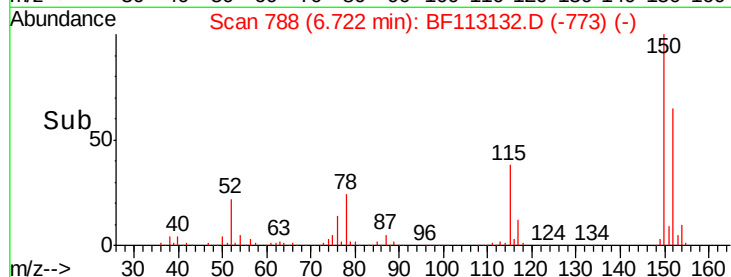
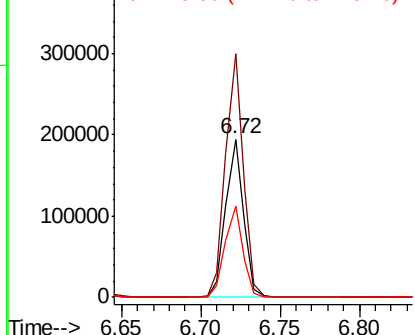
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-B

Tgt Ion:152 Resp: 151599
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.2 186.2
 115 58.0 48.2 72.4



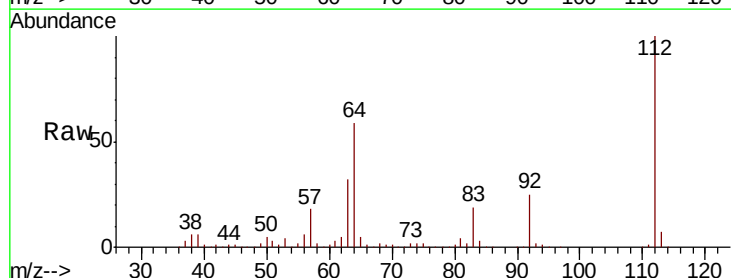
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



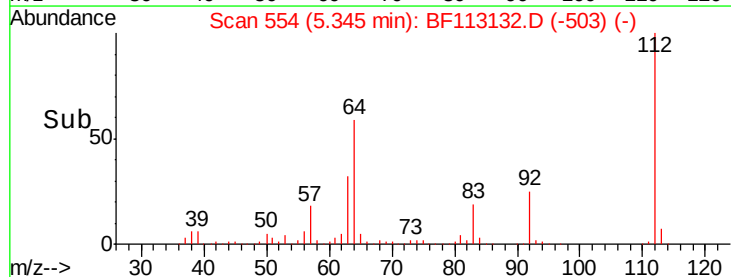
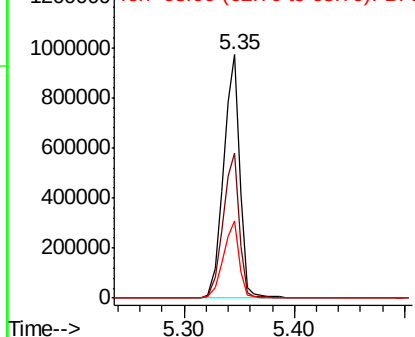
#5

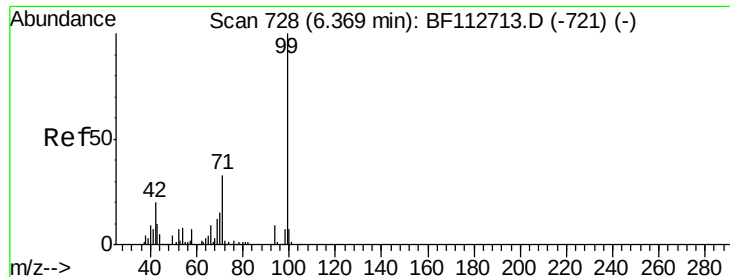
2-Fluorophenol
 Concen: 102.682 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

Tgt Ion:112 Resp: 1000711
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.6 71.4
 63 31.5 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: 108.787 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-006-B

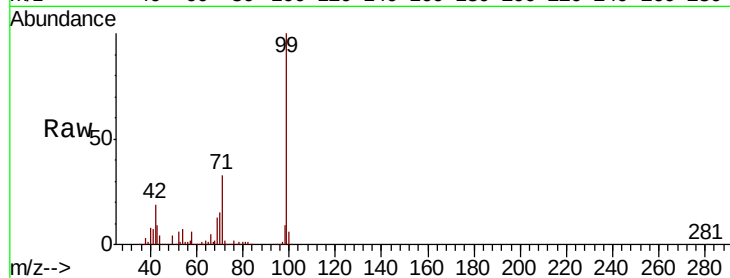
Tgt Ion: 99 Resp: 1331800

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

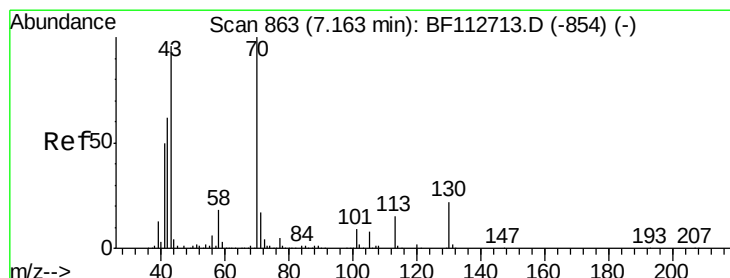
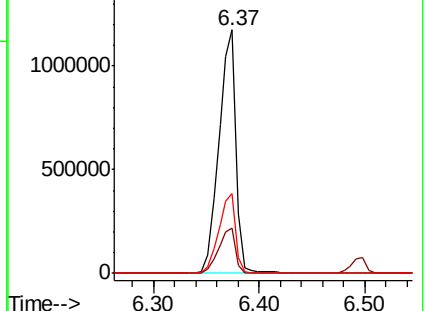
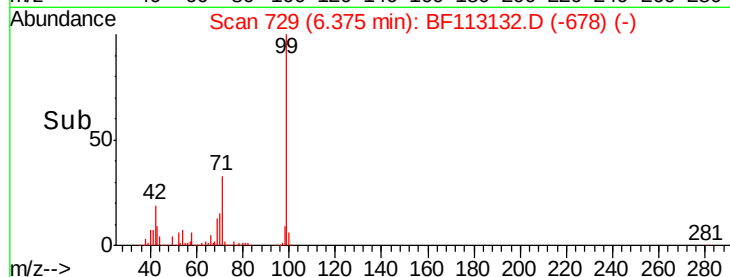
71 32.6 26.2 39.4



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: 12.139 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

Tgt Ion: 70 Resp: 94121

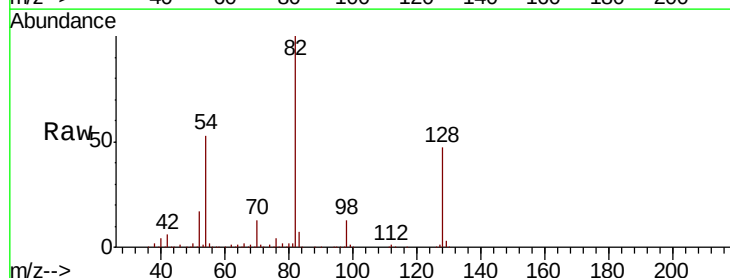
Ion Ratio Lower Upper

70 100

42 48.3 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

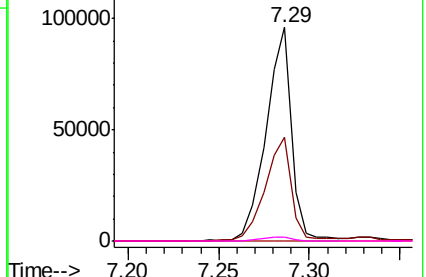
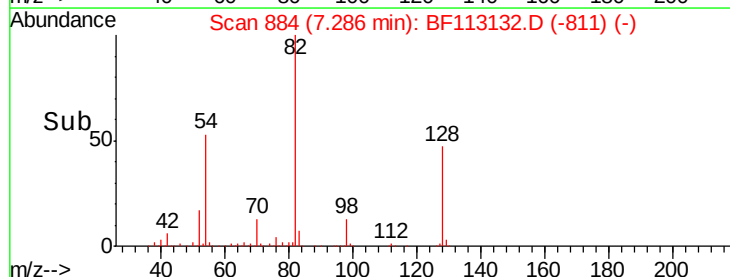


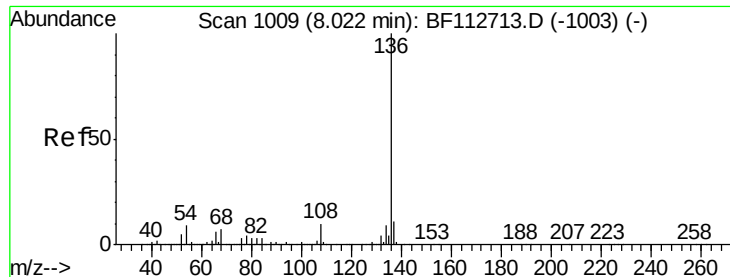
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

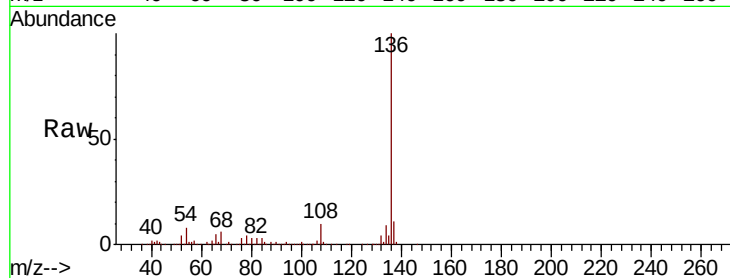




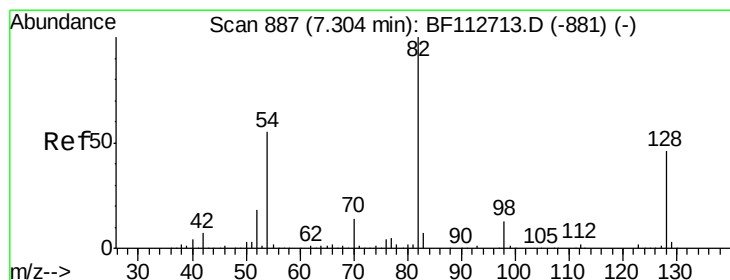
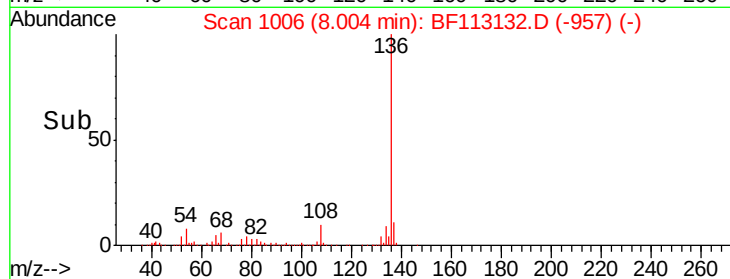
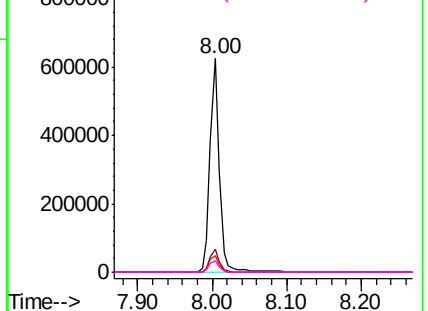
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Instrument :
BNA_F
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FK-GF-03-006-B

Tgt Ion:	136	Resp:	552777
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	7.3	10.9
68	5.7	5.4	8.2

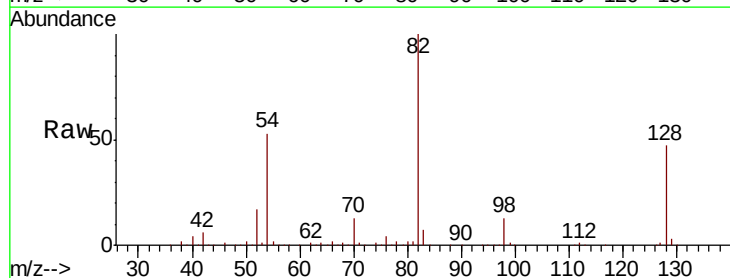


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

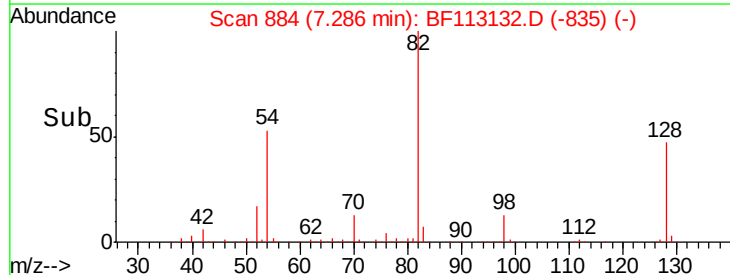
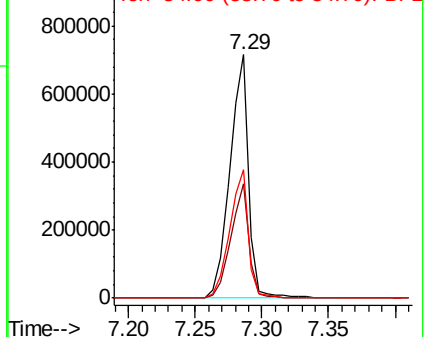


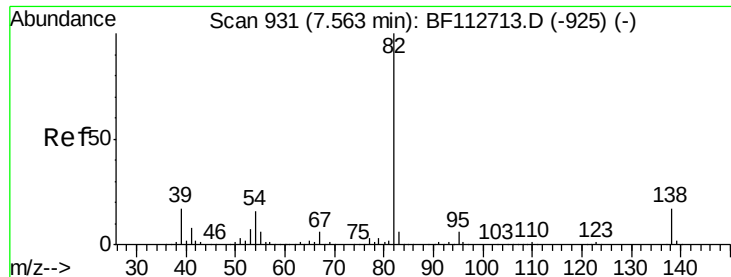
#23
Nitrobenzene-d5
Concen: 76.726 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion:	82	Resp:	708789
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.3	54.5
54	52.8	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

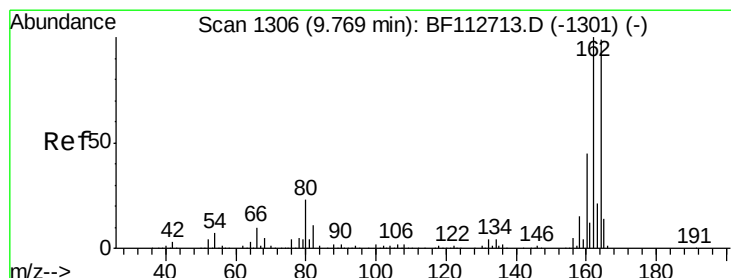
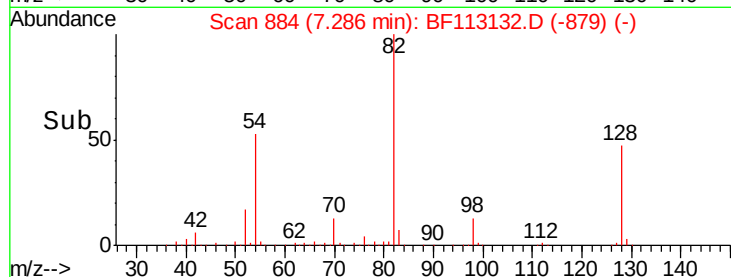
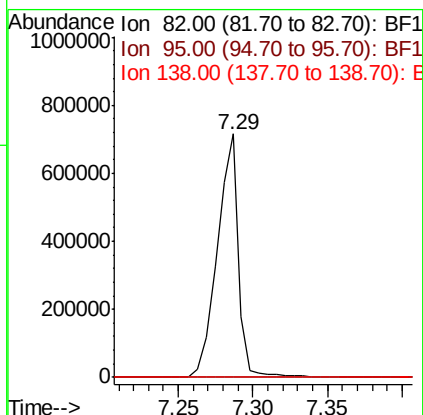
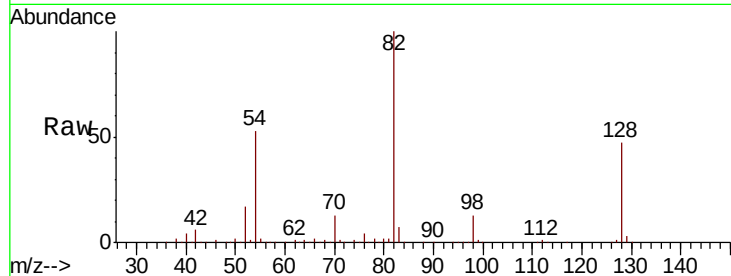




#25
Isophorone
Concen: 34.932 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

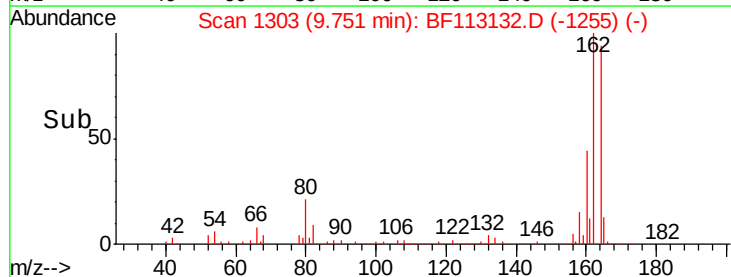
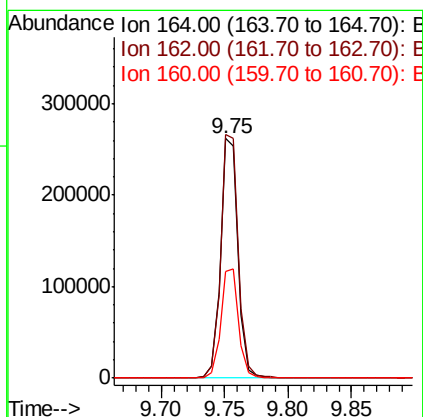
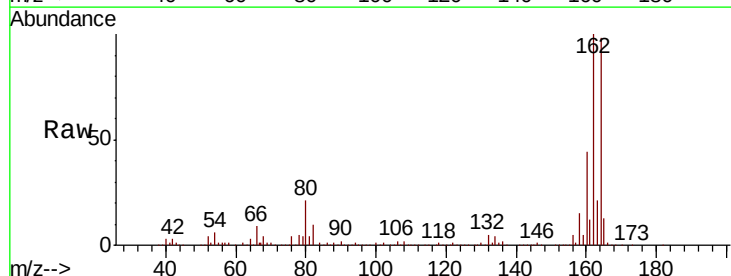
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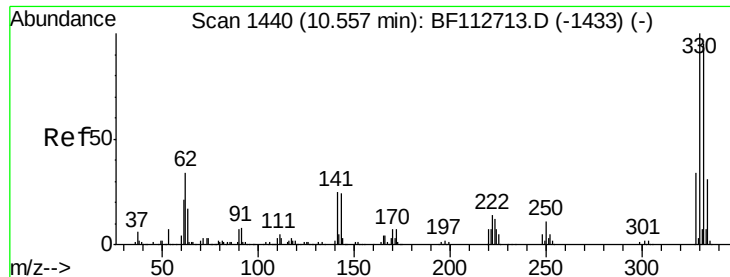
Tgt Ion: 82 Resp: 695207
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion: 164 Resp: 251371
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 44.6 36.0 54.0

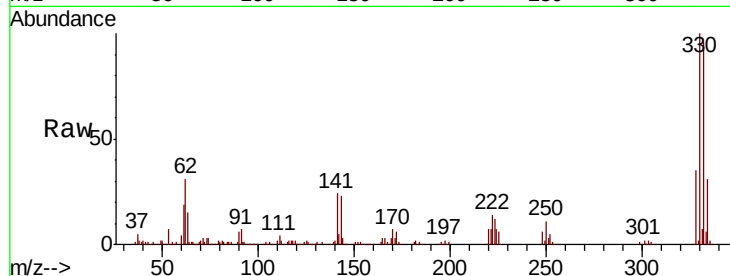




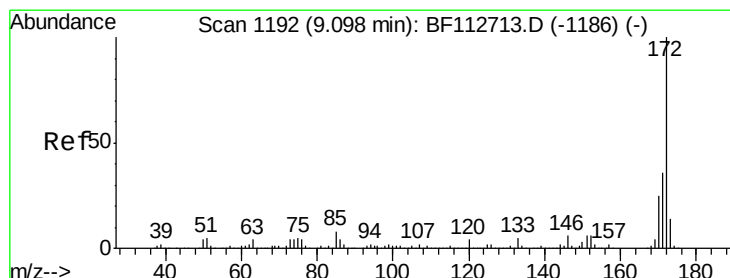
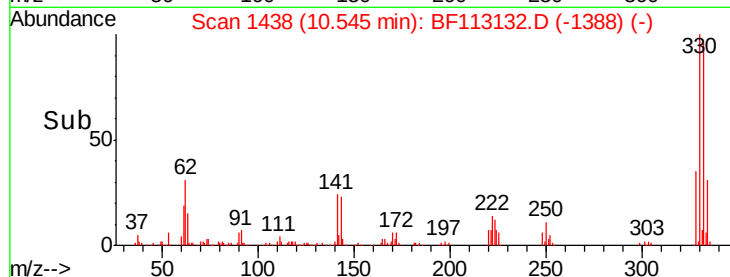
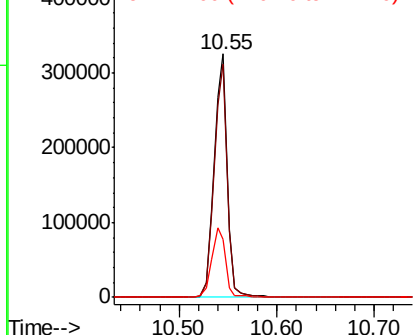
#42
 2,4,6-Tribromophenol
 Concen: 113.265 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-B

Tgt Ion:330 Resp: 302261
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 30.3 27.0 40.6

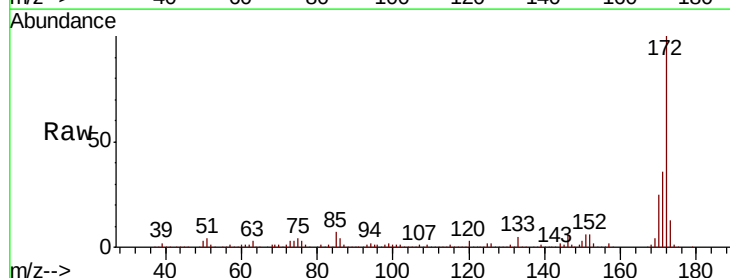


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

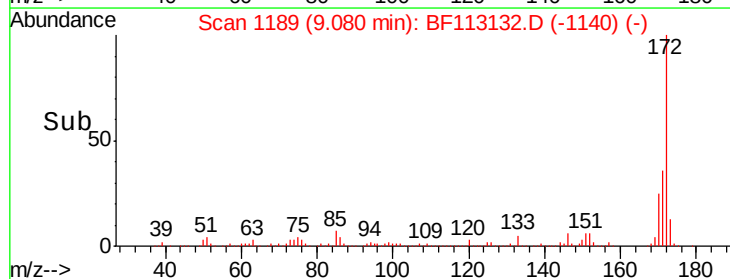
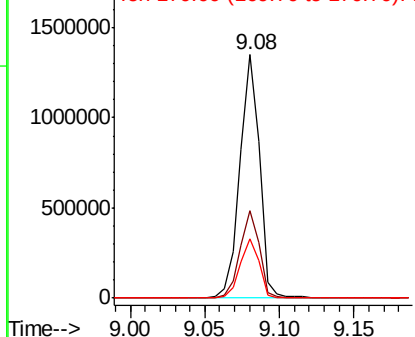


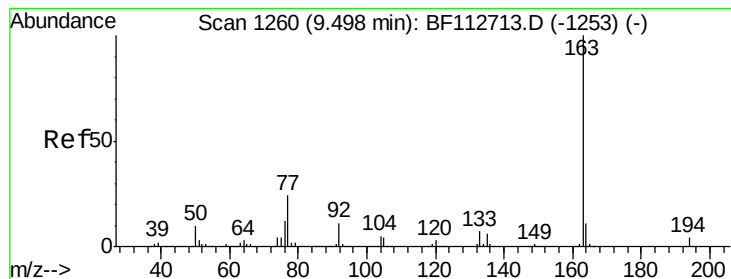
#45
 2-Fluorobiphenyl
 Concen: 80.851 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

Tgt Ion:172 Resp: 1242589
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.4
 170 24.5 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: 5.842 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.03 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

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ClientSampleId :

FK-GF-03-006-B

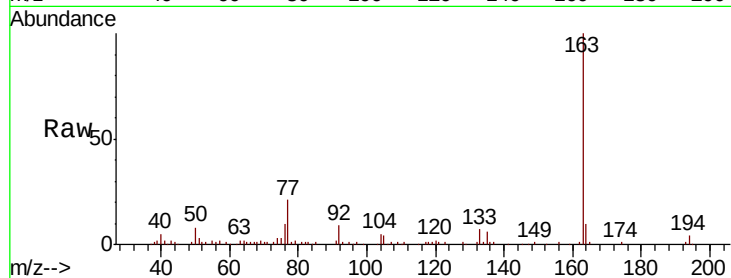
Tgt Ion:163 Resp: 108278

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

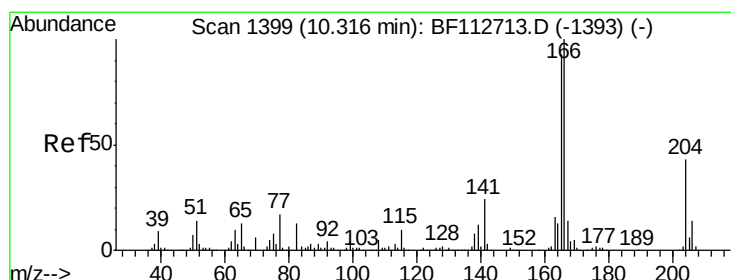
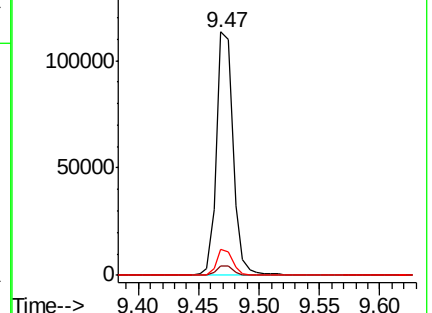
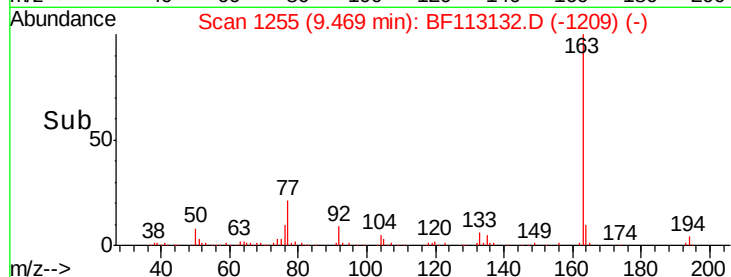
164 10.5 8.4 12.6



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



#58

Fluorene

Concen: 2.141 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

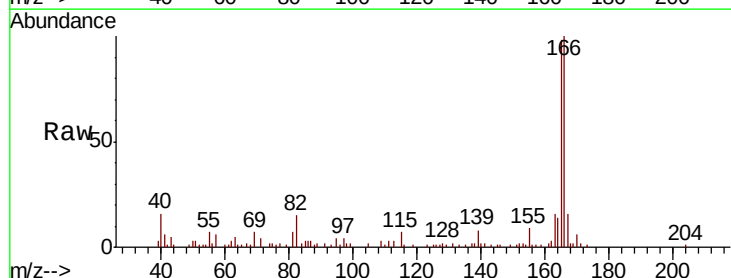
Tgt Ion:166 Resp: 35096

Ion Ratio Lower Upper

166 100

165 98.3 74.7 112.1

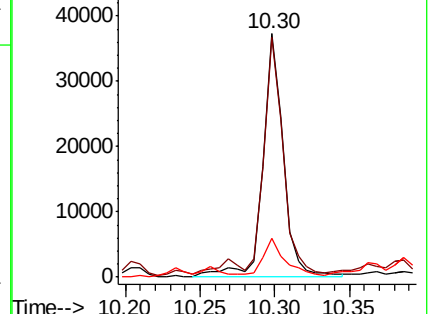
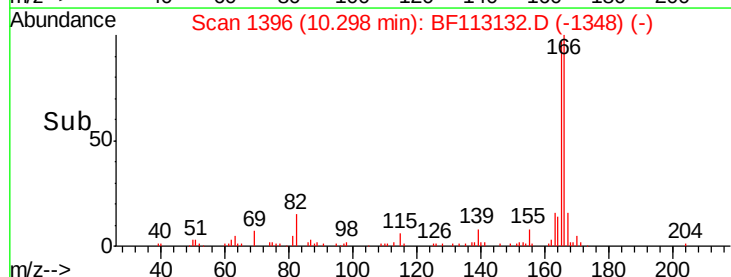
167 16.2 11.0 16.6

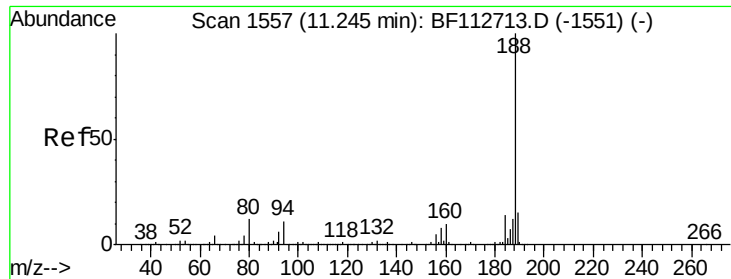


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

Instrument :

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FK-GF-03-006-B

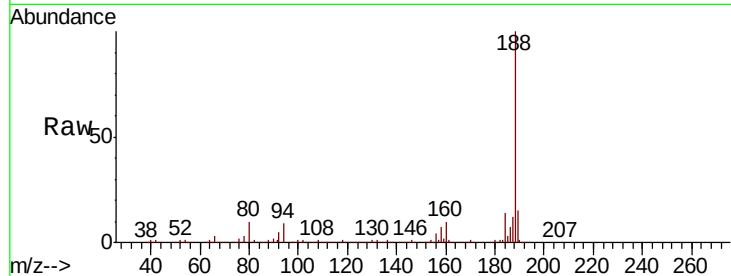
Tgt Ion:188 Resp: 430185

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

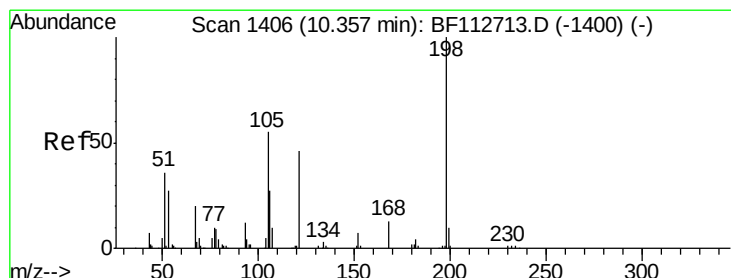
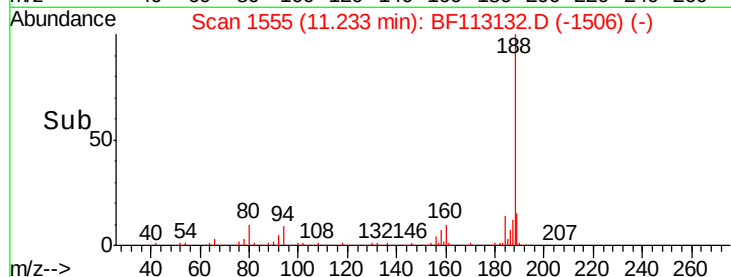
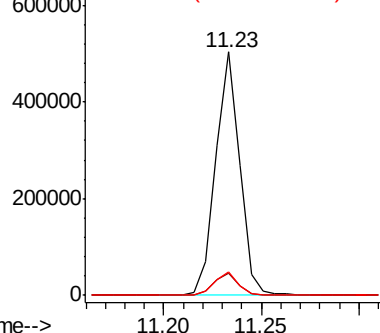
80 9.5 9.2 13.8



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: 4.952 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

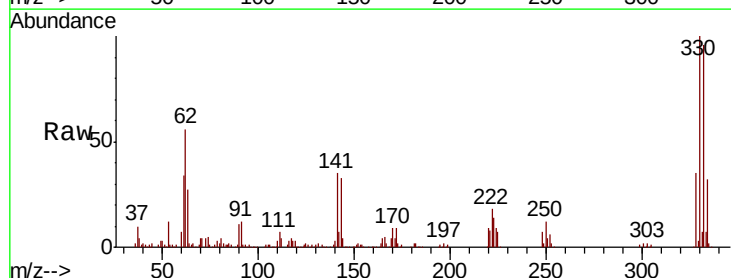
Tgt Ion:198 Resp: 663

Ion Ratio Lower Upper

198 100

51 242.8 43.8 83.8#

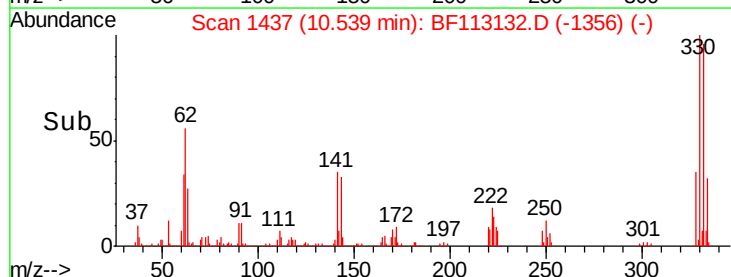
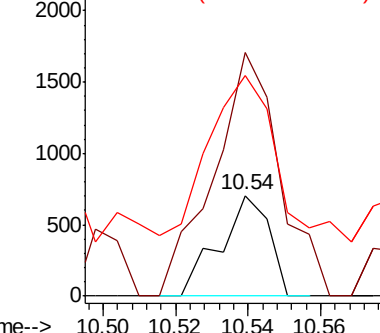
105 219.9 36.5 76.5#

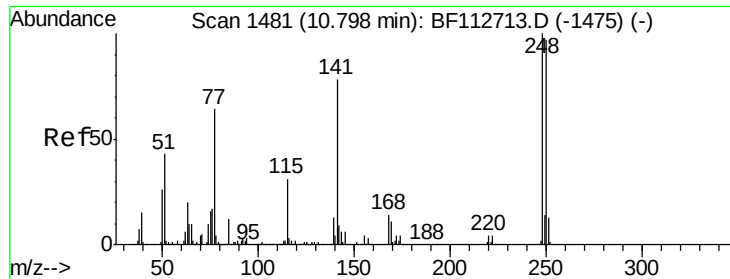


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

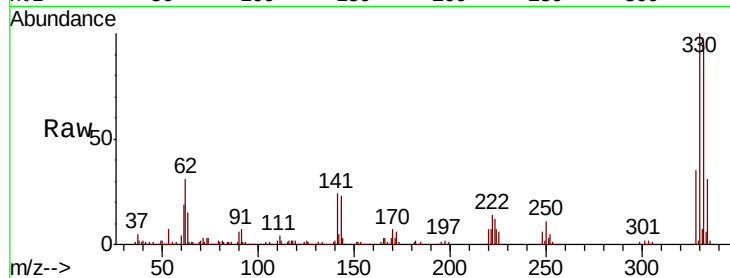




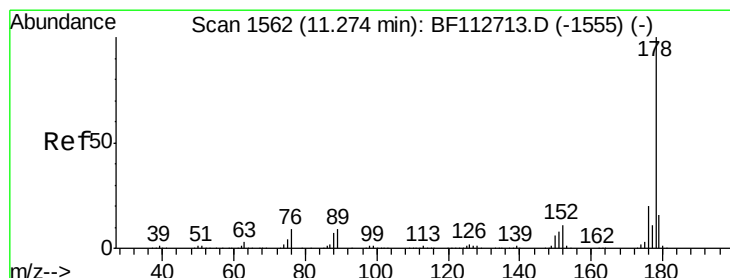
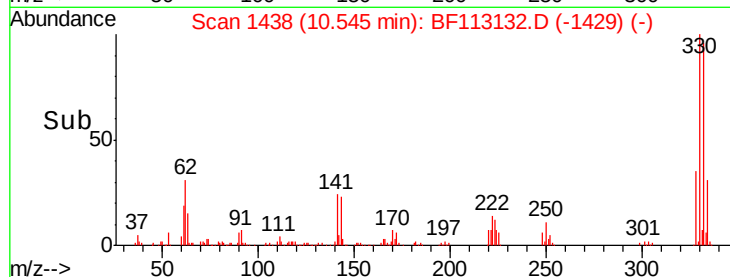
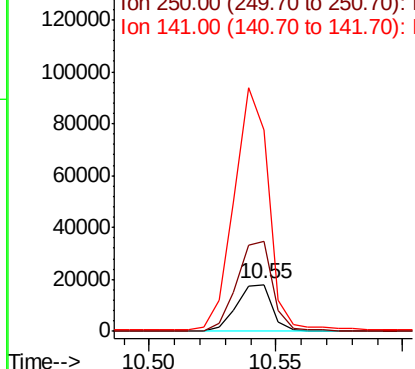
#67
4-Bromophenyl-phenylether
Concen: 3.890 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-B

Tgt Ion:248 Resp: 17627
Ion Ratio Lower Upper
248 100
250 192.5 77.5 116.3#
141 430.3 62.4 93.6#

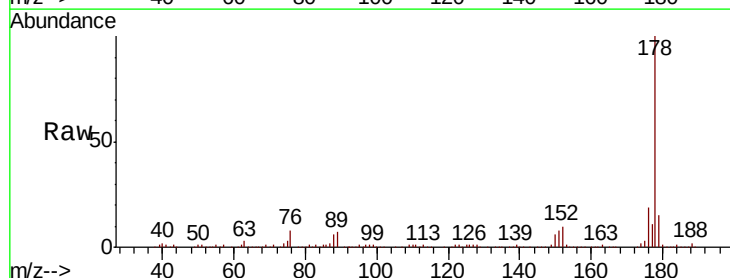


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

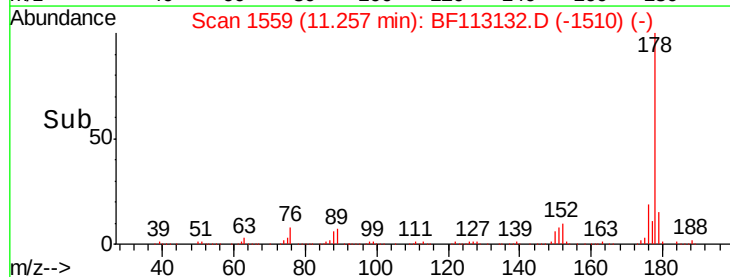
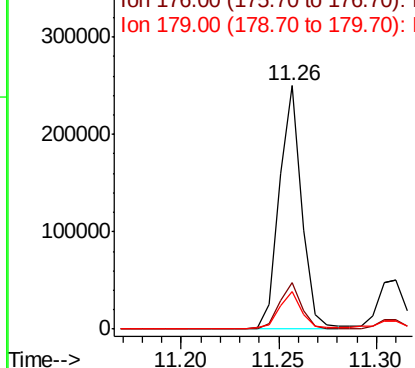


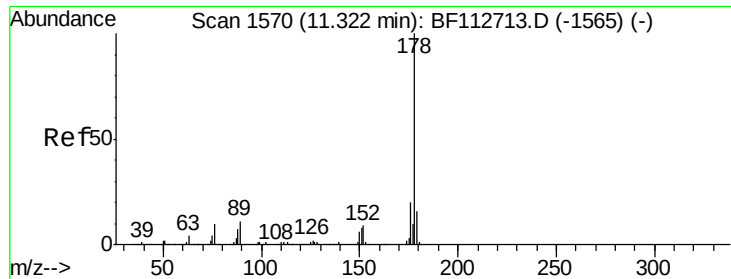
#71
Phenanthrene
Concen: 9.241 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion:178 Resp: 197792
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 15.4 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





#72

Anthracene

Concen: 2.093 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-006-B

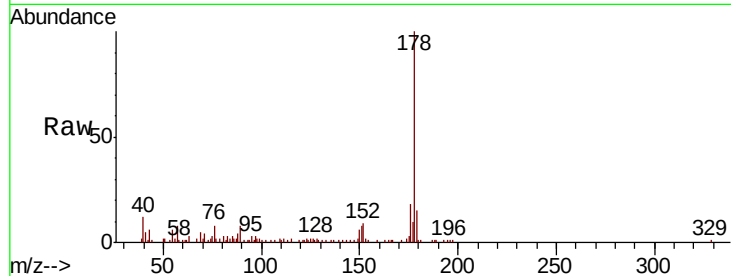
Tgt Ion:178 Resp: 46903

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

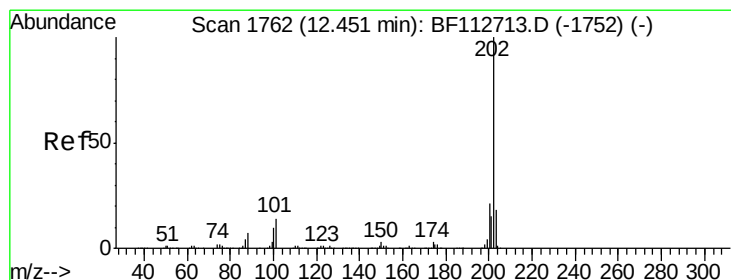
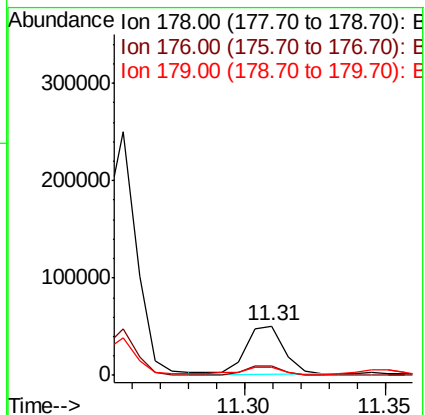
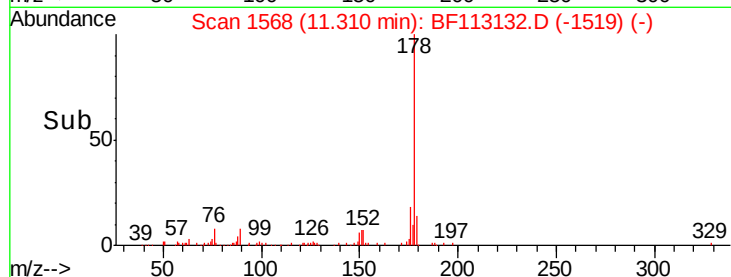
179 15.2 13.0 19.6



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: 9.351 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113132.D

Acq: 19 Mar 2019 18:18

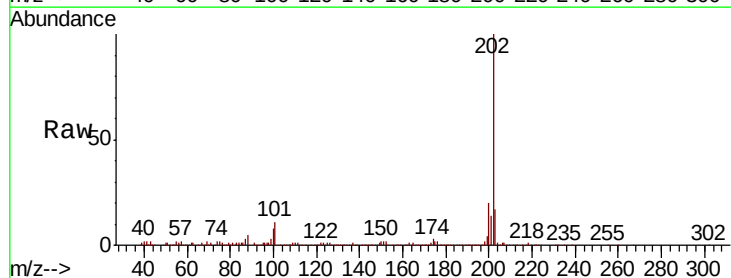
Tgt Ion:202 Resp: 214424

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.8

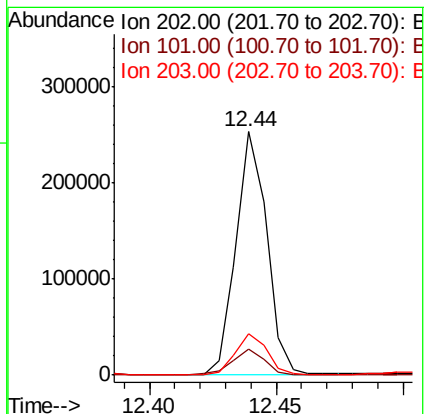
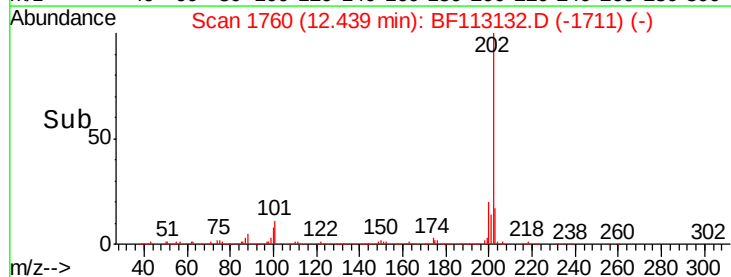
203 17.1 0.0 38.4

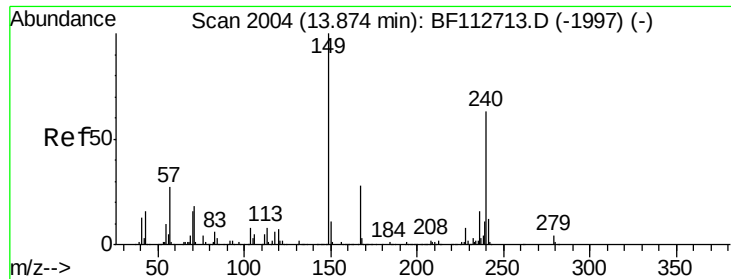


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

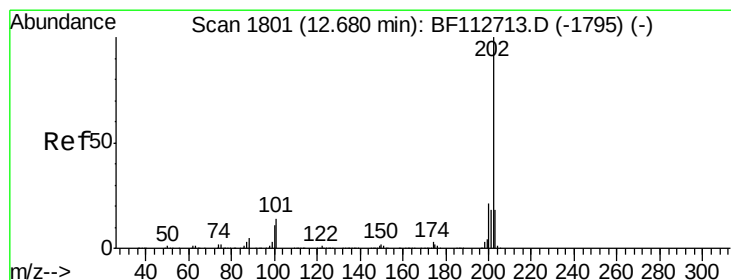
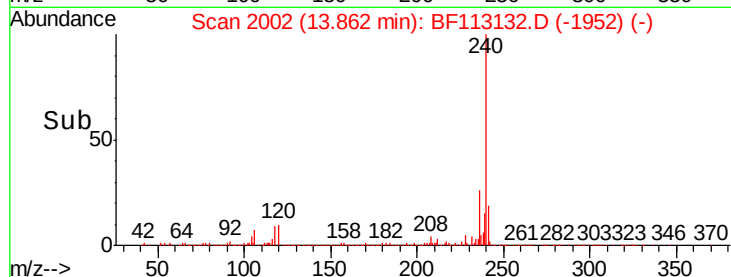
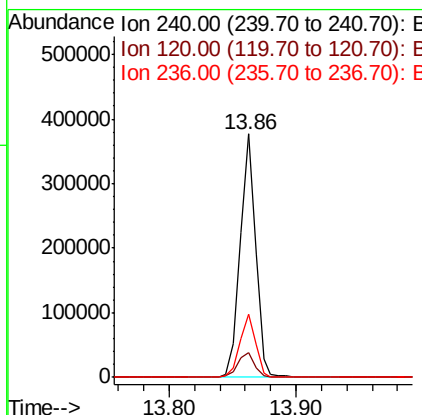
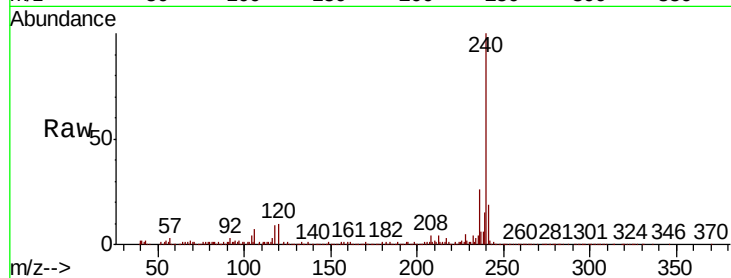




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

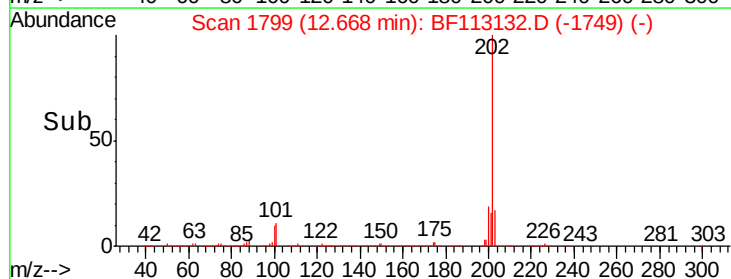
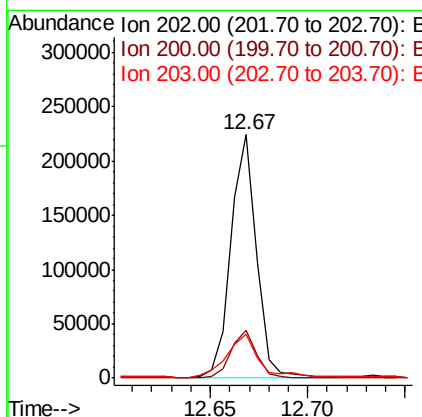
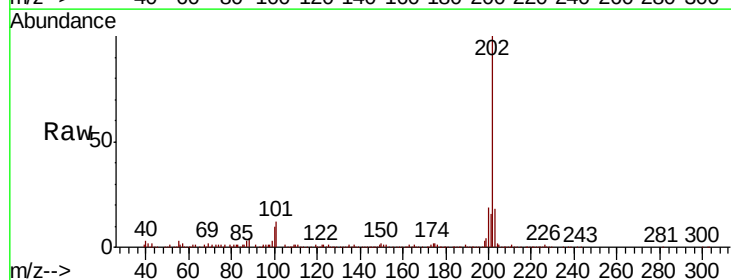
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-B

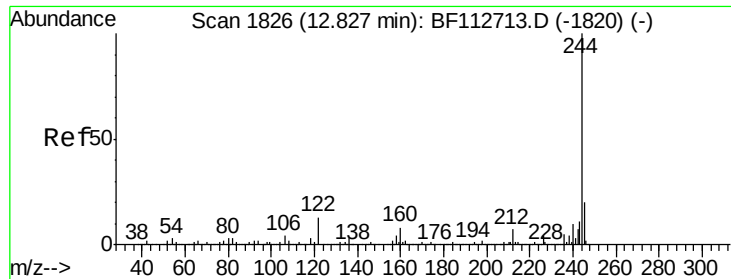
Tgt Ion:240 Resp: 314307
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.7 20.7 31.1



#78
Pyrene
Concen: 7.635 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion:202 Resp: 202295
Ion Ratio Lower Upper
202 100
200 19.4 17.0 25.4
203 17.8 14.4 21.6

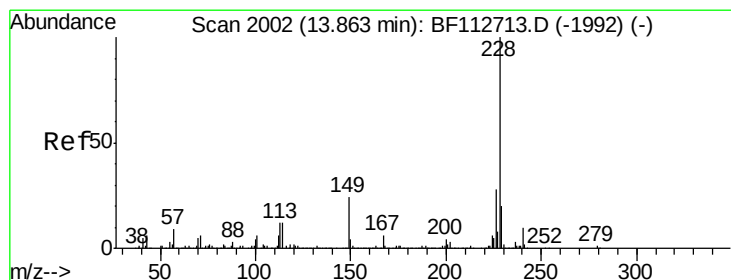
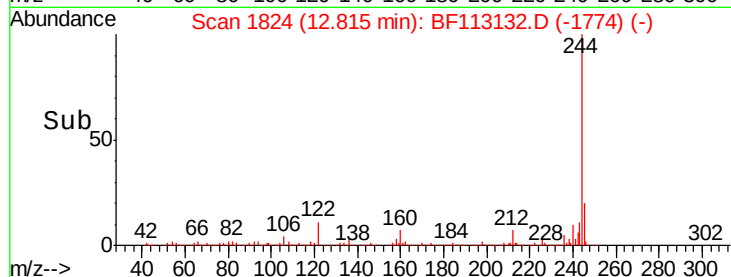
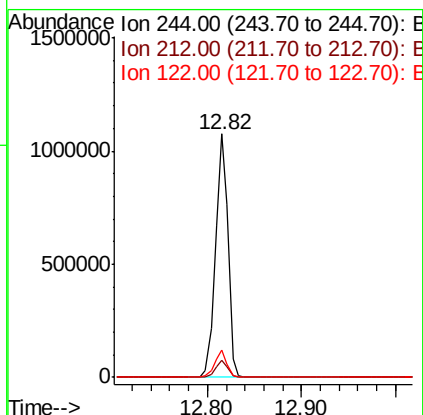
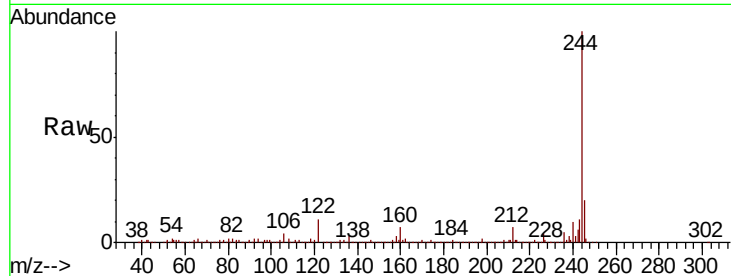




#79
 Terphenyl-d14
 Concen: 62.511 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

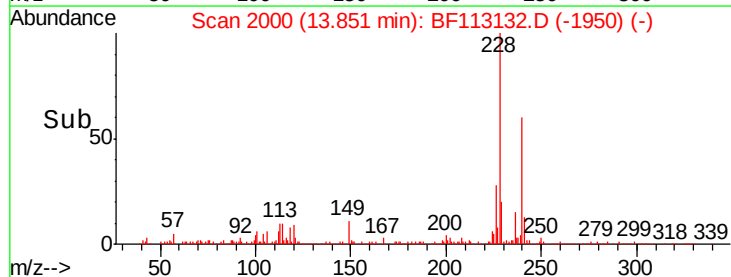
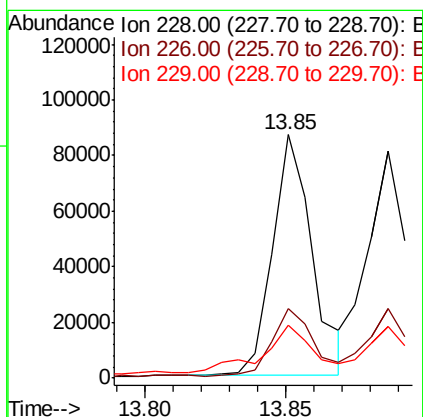
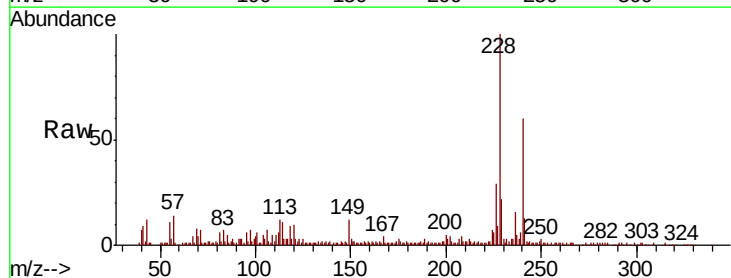
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-006-B

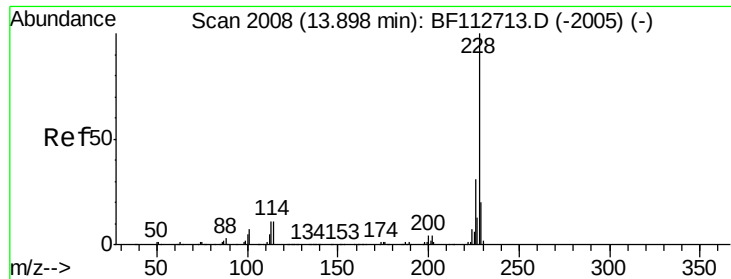
Tgt Ion:244 Resp: 1013555
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.1 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 3.884 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113132.D
 Acq: 19 Mar 2019 18:18

Tgt Ion:228 Resp: 84598
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.4
 229 21.5 16.0 24.0

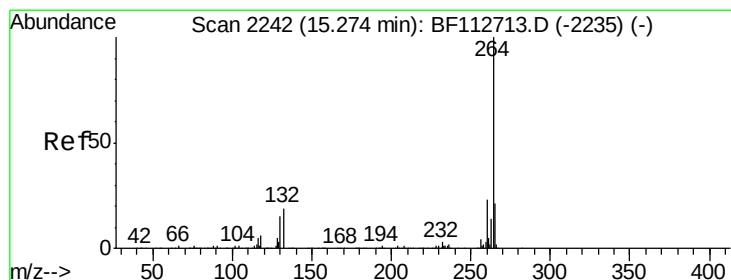
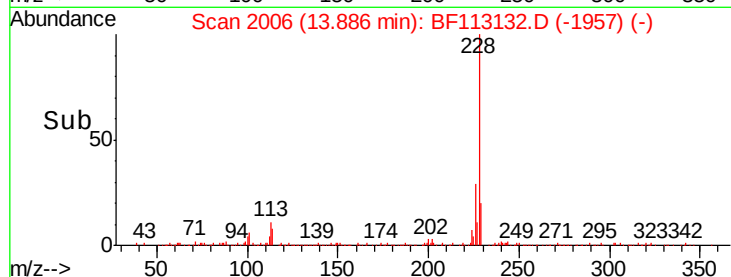
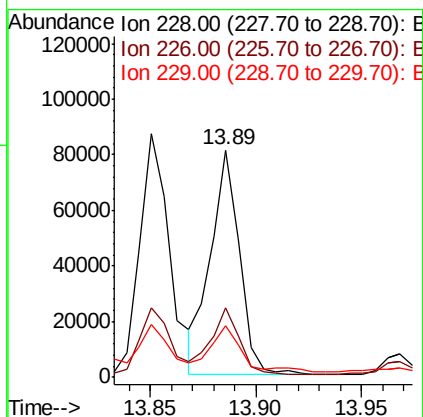
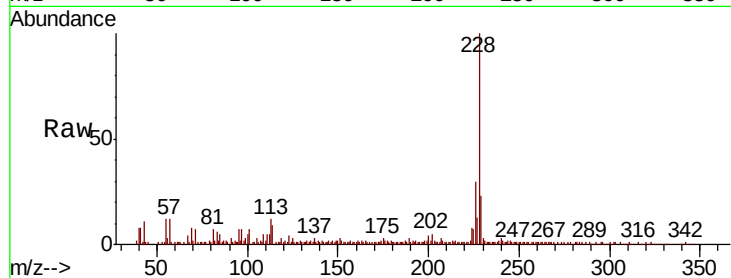




#83
Chrysene
Concen: 3.646 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

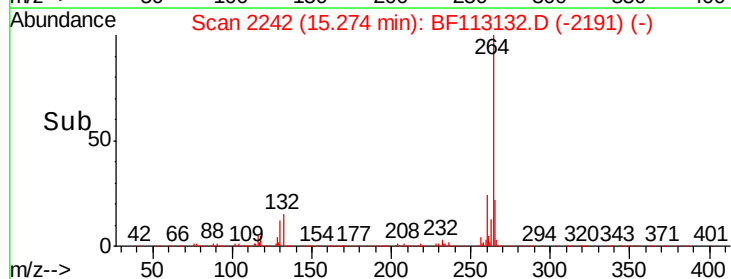
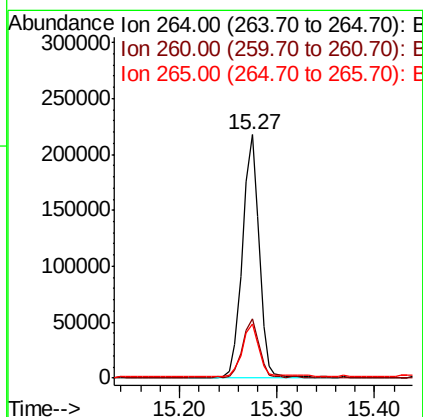
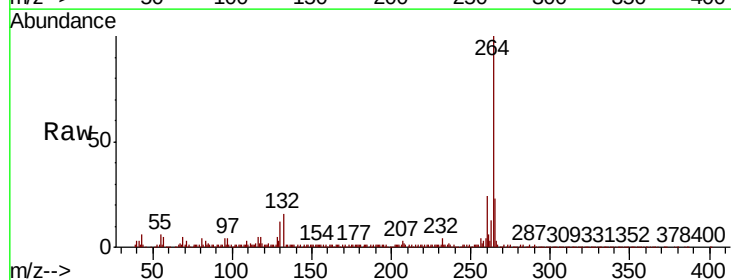
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-B

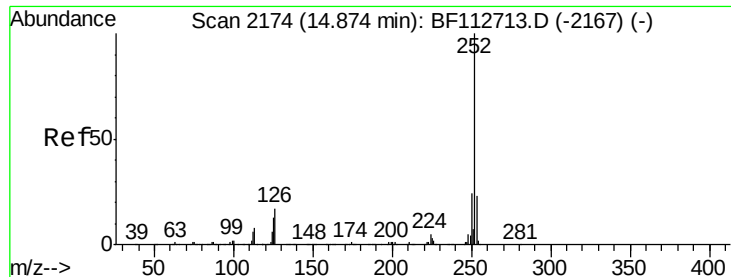
Tgt Ion:228 Resp: 77792
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 22.8 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion:264 Resp: 258465
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.5 17.2 25.8

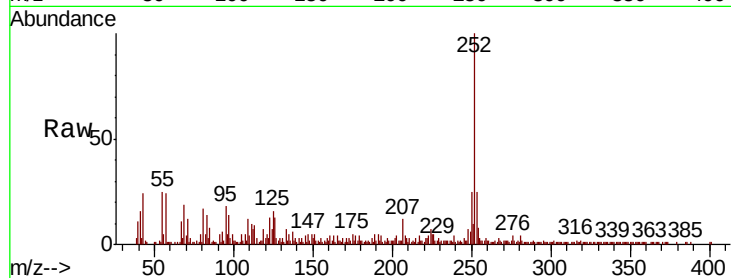




#88
Benzo(b)fluoranthene
Concen: 6.124 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	15.6	10.2	15.2#

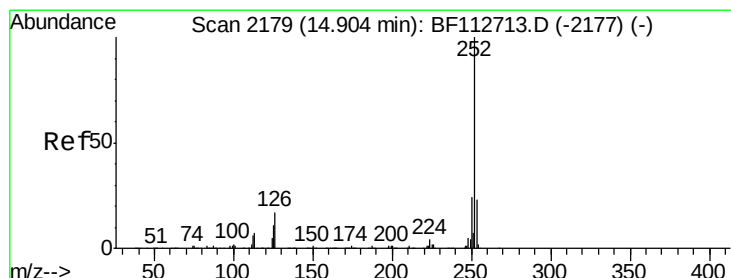
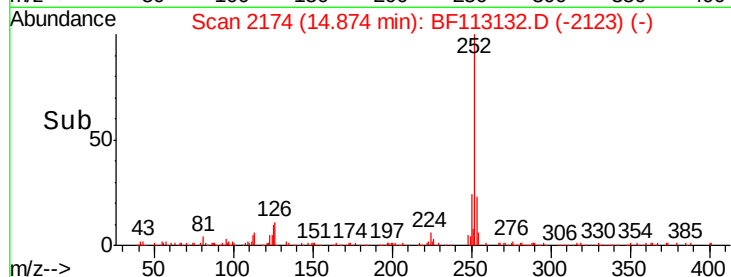
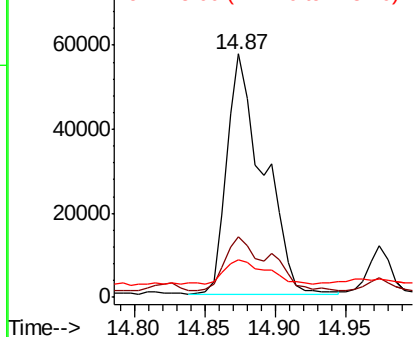


Abundance

Ion 252.00 (251.70 to 252.70): E

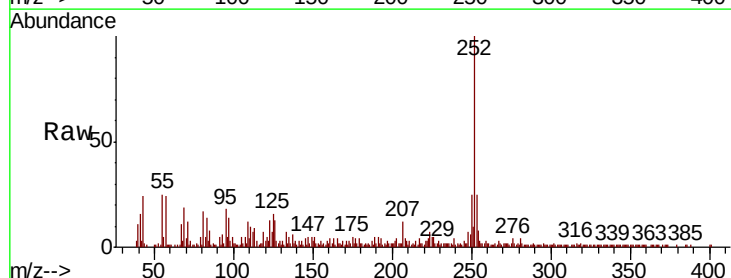
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 6.761 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	15.6	9.8	14.6#

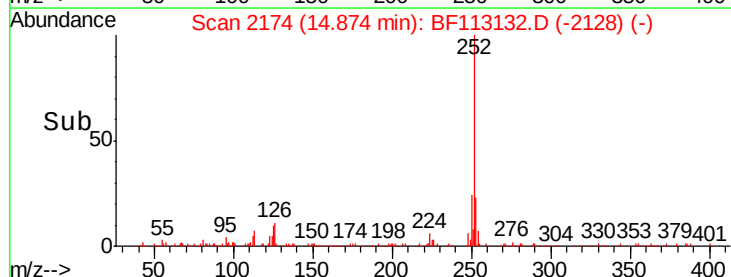
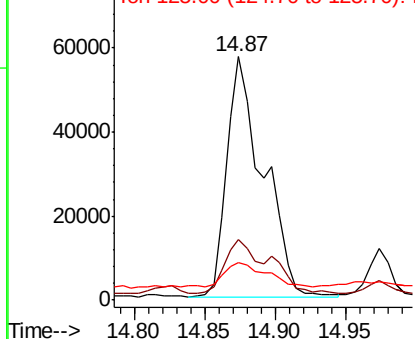


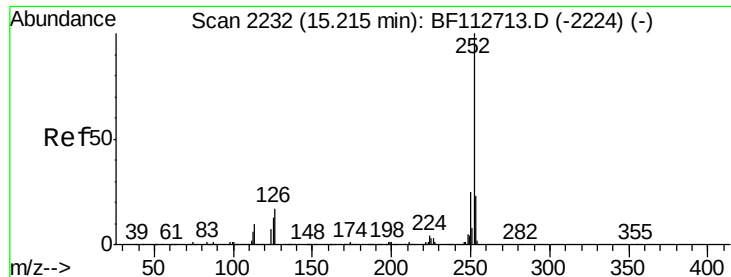
Abundance

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

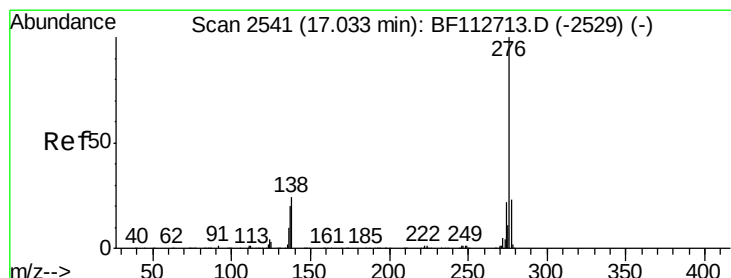
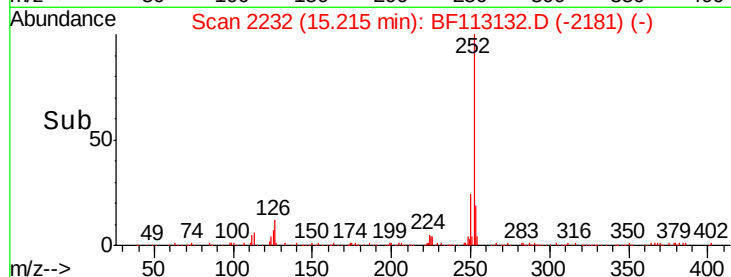
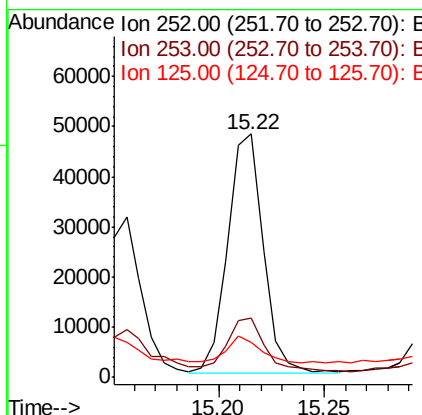
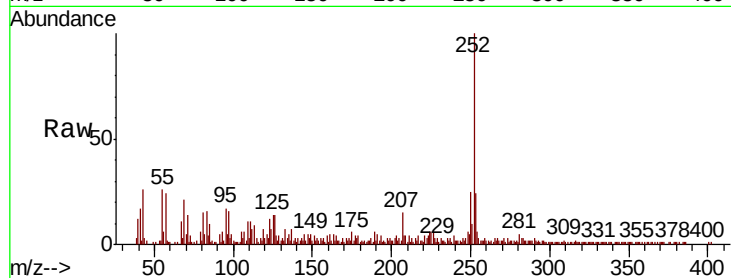




#90
Benzo(a)pyrene
Concen: 3.747 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-B

Tgt Ion:252 Resp: 55405
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 14.2 10.7 16.1



#92
Benzo(g,h,i)perylene
Concen: 2.177 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF113132.D
Acq: 19 Mar 2019 18:18

Tgt Ion:276 Resp: 27586
Ion Ratio Lower Upper
276 100
277 28.5 18.6 27.8#
138 20.7 19.4 29.0

