

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113432.D
 Acq On : 30 Mar 2019 00:12
 Operator : JU/SJ
 Sample : K2132-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-036-B

Quant Time: Mar 30 00:59:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	121625	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	451213	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	216472	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	434273	20.00	ng	0.00
76) Chrysene-d12	13.84	240	406523	20.00	ng	0.00
87) Perylene-d12	15.25	264	315723	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	904886	121.65	ng	0.00
7) Phenol-d6	6.35	99	1185907	126.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	719921	94.70	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	336461	125.83	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1215371	88.78	ng	0.00
79) Terphenyl-d14	12.79	244	1359636	73.72	ng	0.00

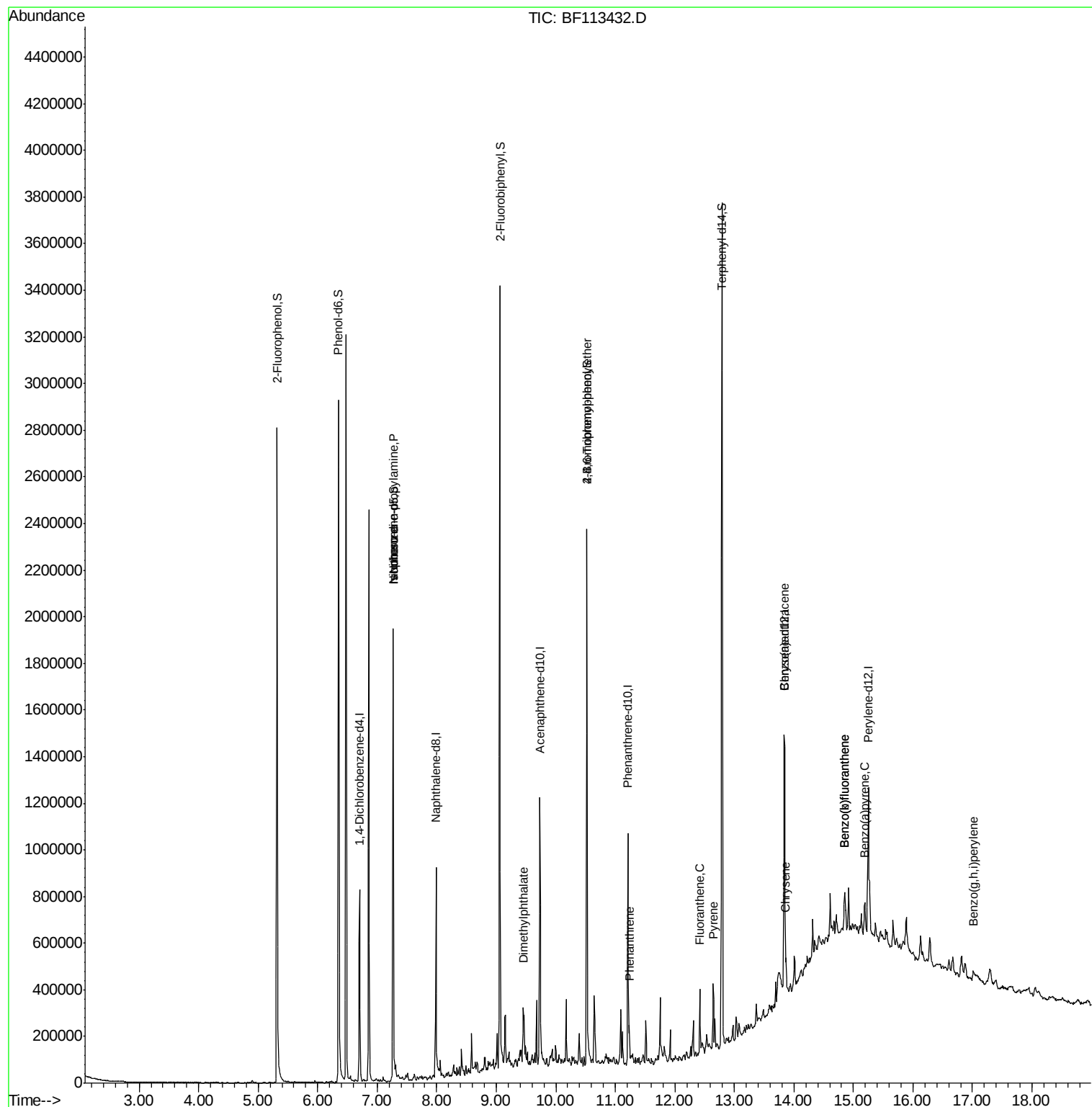
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	90909	15.380	ng	# 74
25) Isophorone	7.27	82	698657	47.423	ng	# 64
50) Dimethylphthalate	9.45	163	82094	5.117	ng	# 98
67) 4-Bromophenyl-phenylether	10.52	248	18782	3.968	ng	# 1
71) Phenanthrene	11.23	178	51902	2.407	ng	99
75) Fluoranthene	12.42	202	119606	4.906	ng	99
78) Pyrene	12.64	202	120344	4.272	ng	97
81) Benzo(a)anthracene	13.83	228	68184	2.930	ng	92
83) Chrysene	13.87	228	73581	3.113	ng	96
88) Benzo(b)fluoranthene	14.85	252	104910	5.349	ng	# 88
89) Benzo(k)fluoranthene	14.85	252	104910	6.091	ng	# 87
90) Benzo(a)pyrene	15.19	252	53172	3.058	ng	# 88
92) Benzo(g,h,i)perylene	17.02	276	31809	2.098	ng	# 87

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

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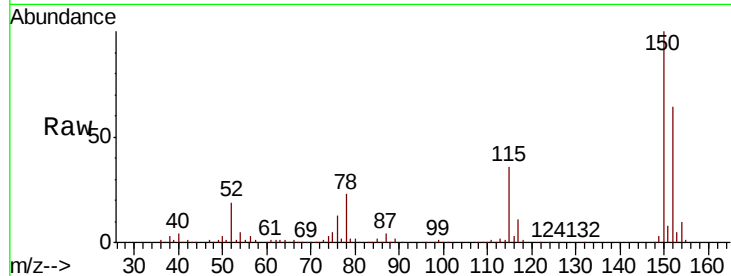


#1

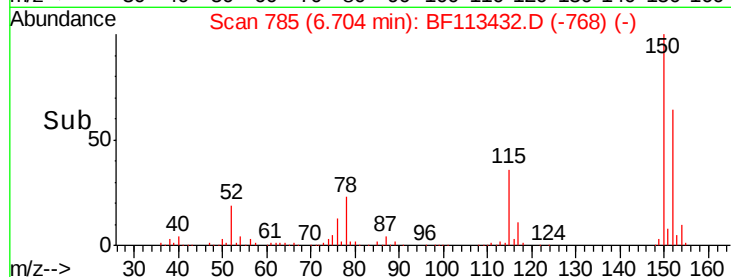
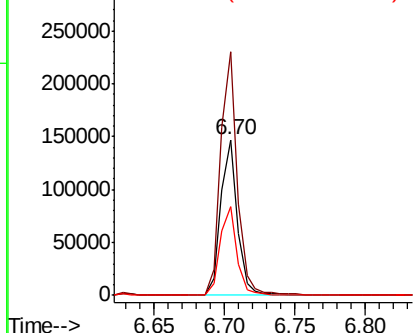
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-036-B

Tgt Ion:152 Resp: 121625
Ion Ratio Lower Upper
152 100
150 156.5 124.7 187.1
115 56.7 46.0 69.0



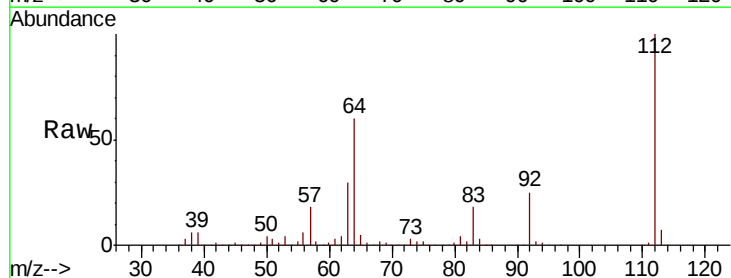
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



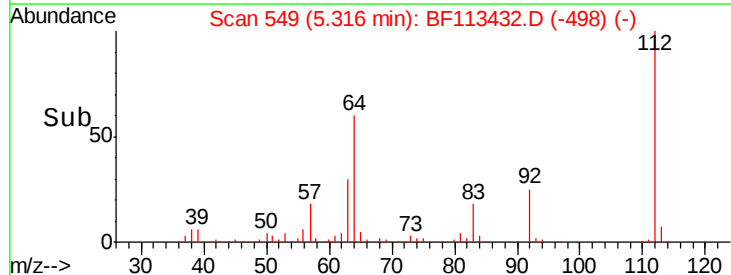
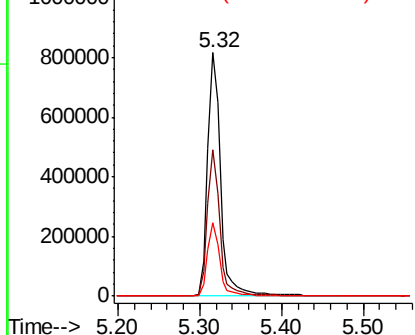
#5

2-Fluorophenol
Concen: 121.652 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

Tgt Ion:112 Resp: 904886
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 30.3 24.9 37.3



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: 126.028 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

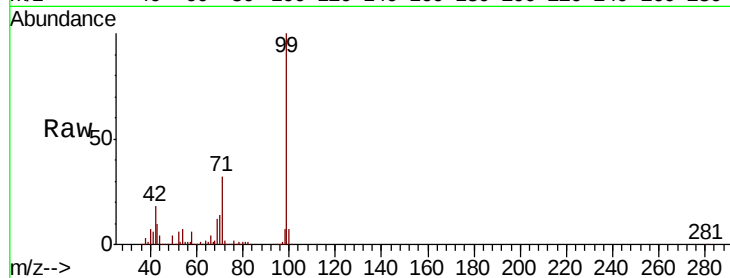
Tgt Ion: 99 Resp: 1185907

Ion Ratio Lower Upper

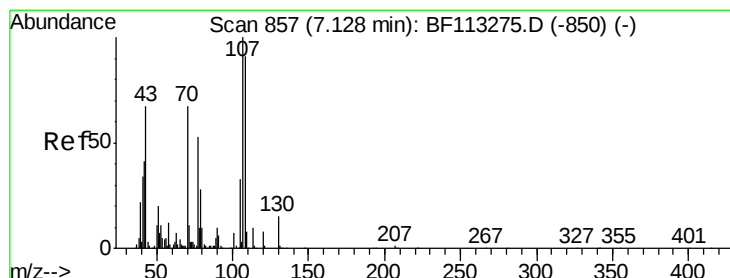
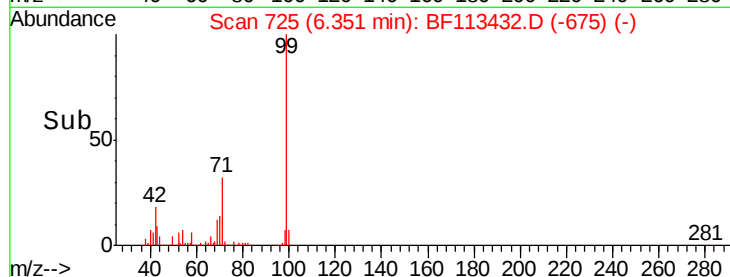
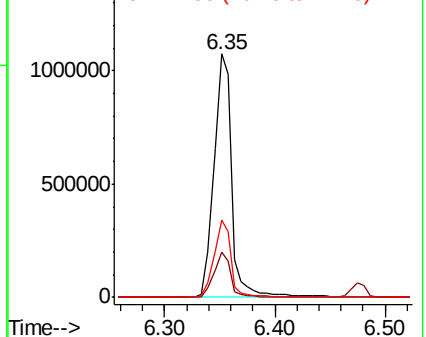
99 100

42 18.4 14.8 22.2

71 31.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.380 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Tgt Ion: 70 Resp: 90909

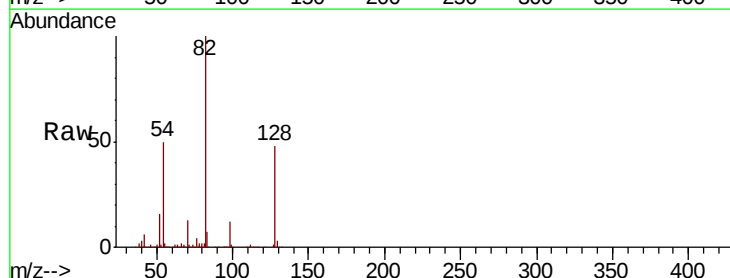
Ion Ratio Lower Upper

70 100

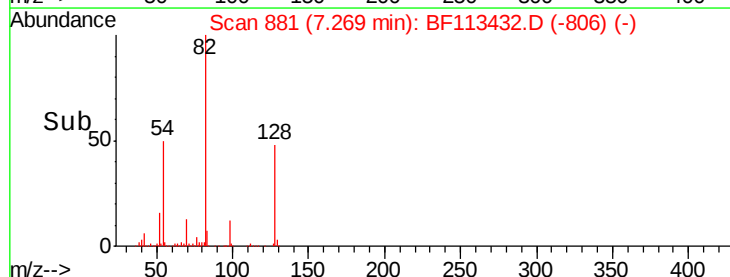
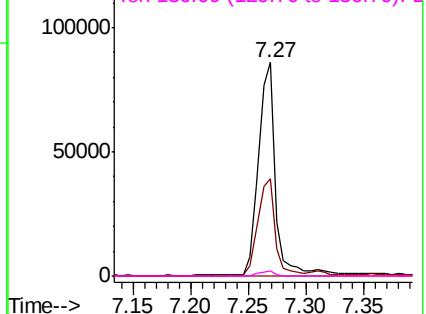
42 45.8 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



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: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

Tgt Ion:136 Resp: 451213

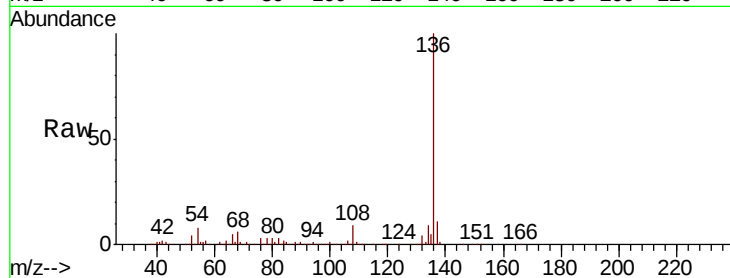
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 7.0 10.6

68 5.8 4.8 7.2

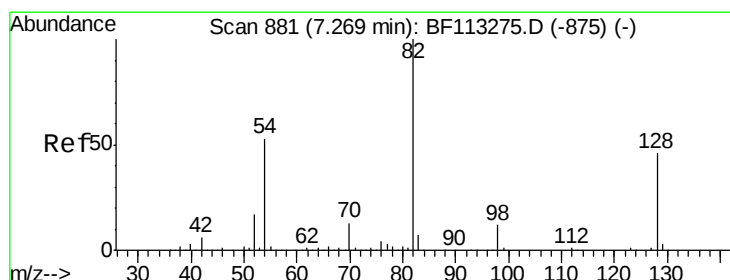
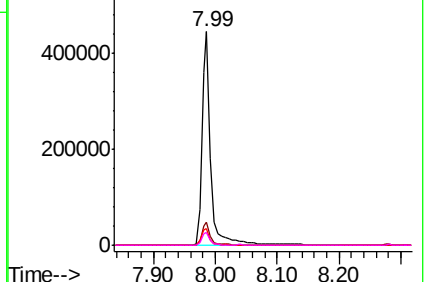
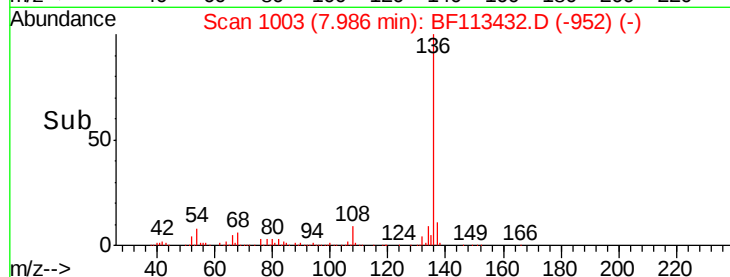


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.701 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

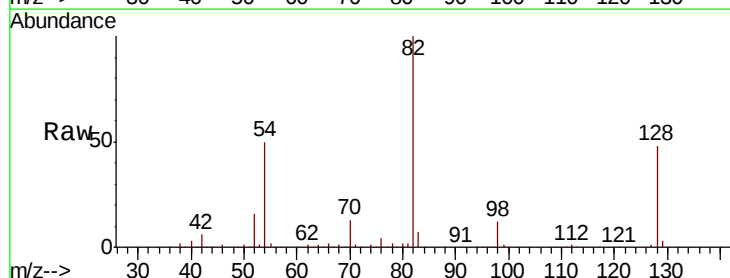
Tgt Ion: 82 Resp: 719921

Ion Ratio Lower Upper

82 100

128 47.8 36.5 54.7

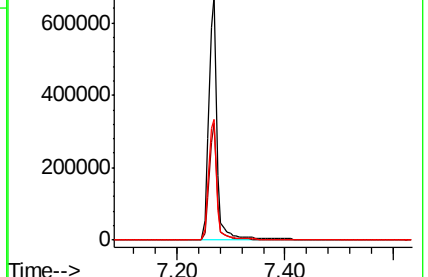
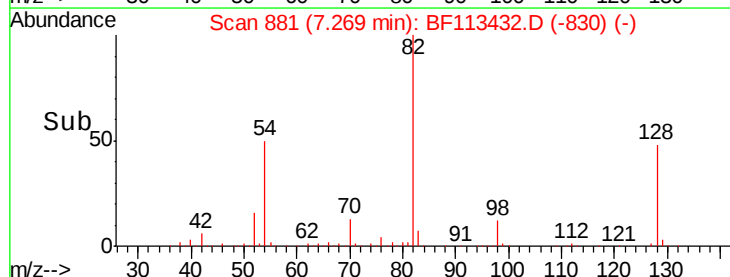
54 49.8 42.2 63.2

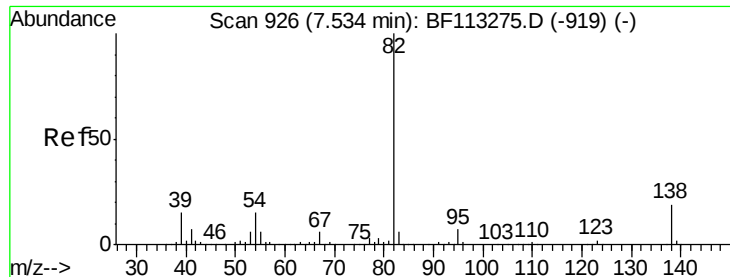


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.423 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

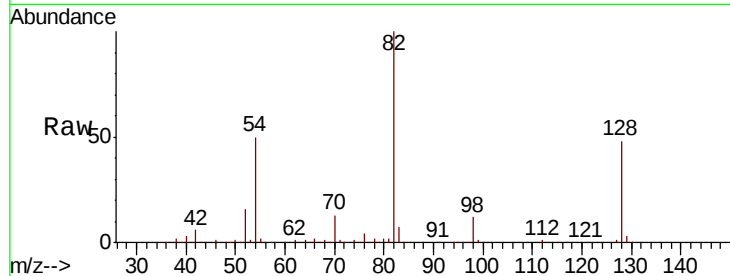
Tgt Ion: 82 Resp: 698657

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

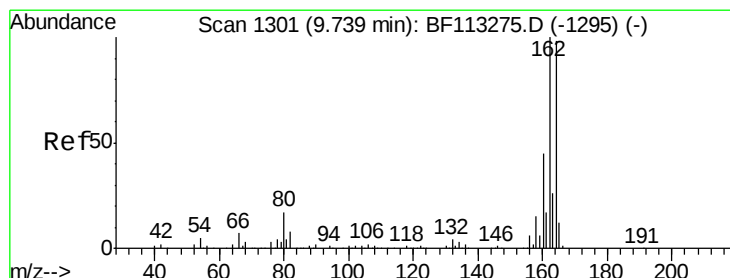
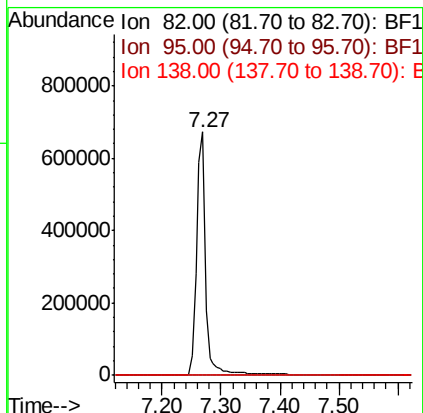
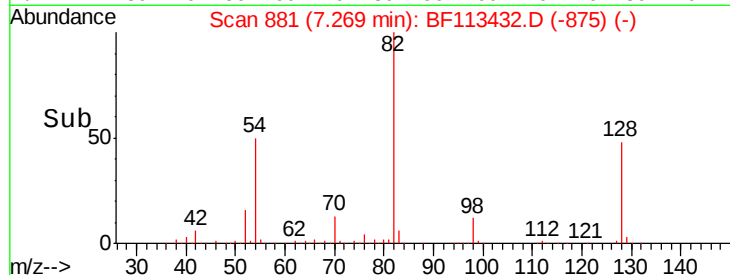
138 0.0 15.2 22.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

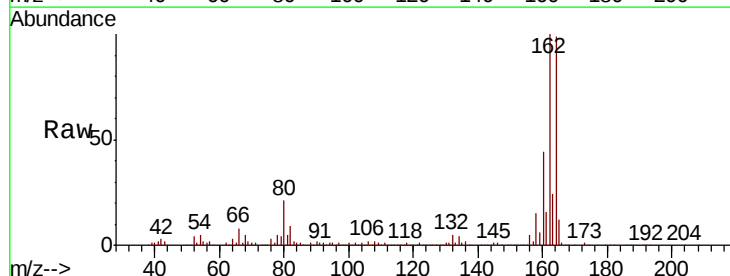
Tgt Ion: 164 Resp: 216472

Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

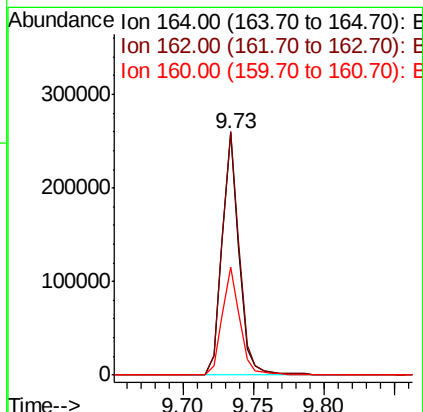
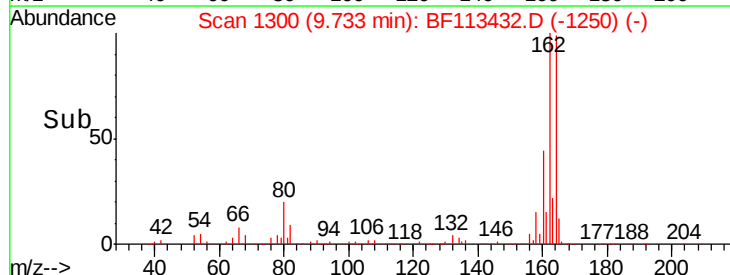
160 44.3 36.4 54.6

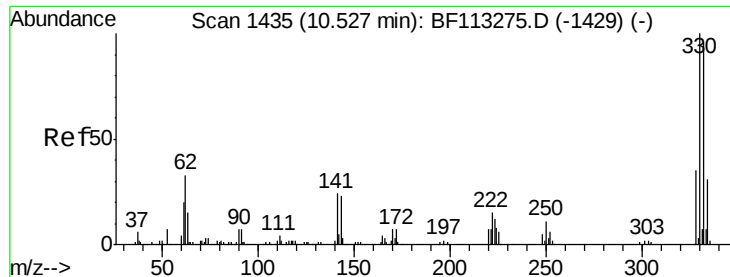


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

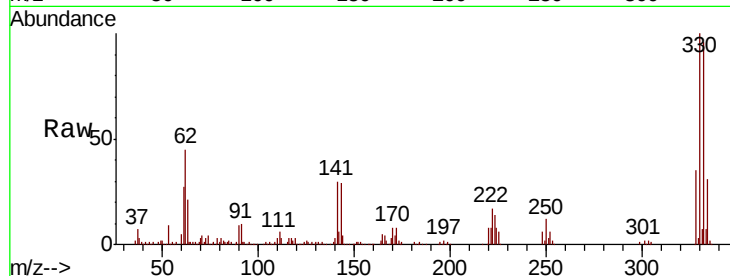




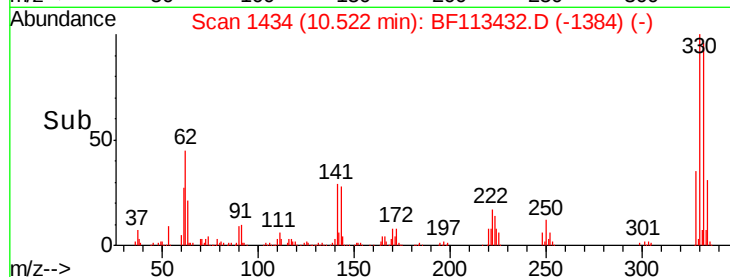
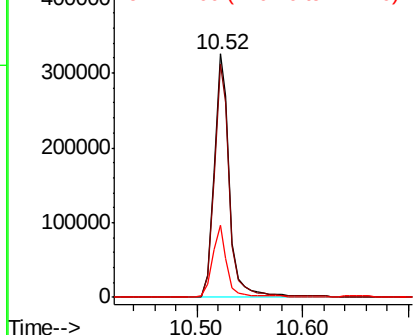
#42
 2,4,6-Tribromophenol
 Concen: 125.830 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113432.D
 Acq: 30 Mar 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-036-B

Tgt Ion:330 Resp: 336461
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.8 116.6
 141 27.2 22.7 34.1

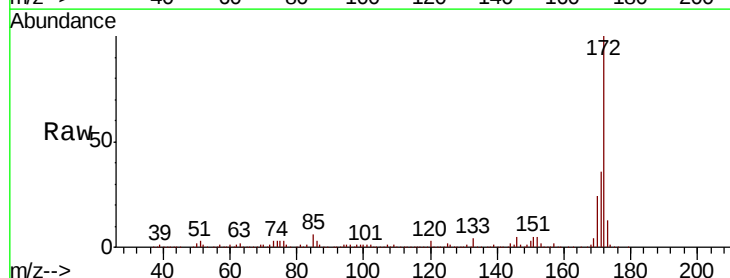


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

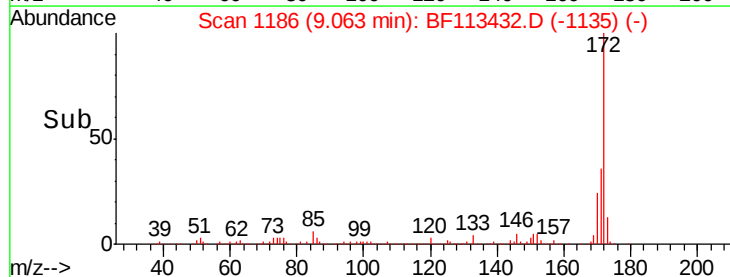
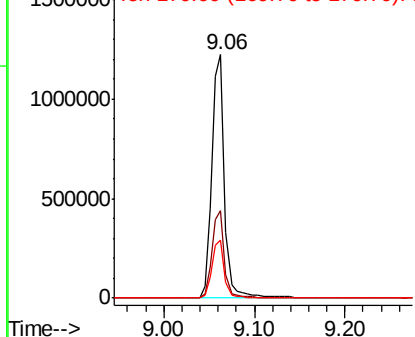


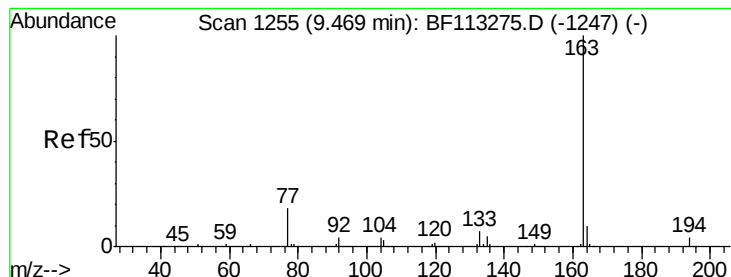
#45
 2-Fluorobiphenyl
 Concen: 88.784 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113432.D
 Acq: 30 Mar 2019 00:12

Tgt Ion:172 Resp: 1215371
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 23.9 19.5 29.3



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: 5.117 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

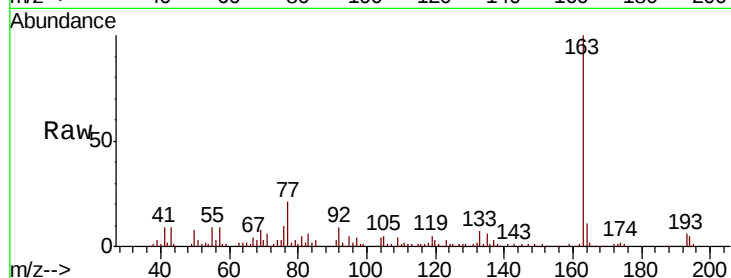
Tgt Ion:163 Resp: 82094

Ion Ratio Lower Upper

163 100

194 4.9 3.0 4.6#

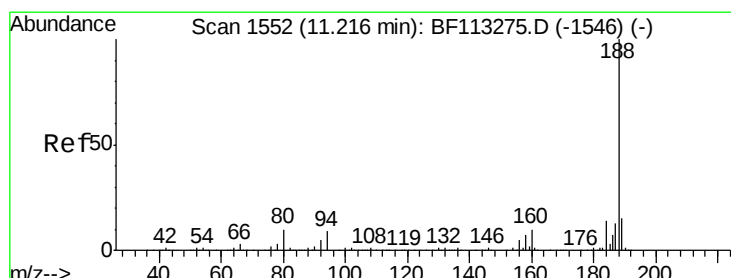
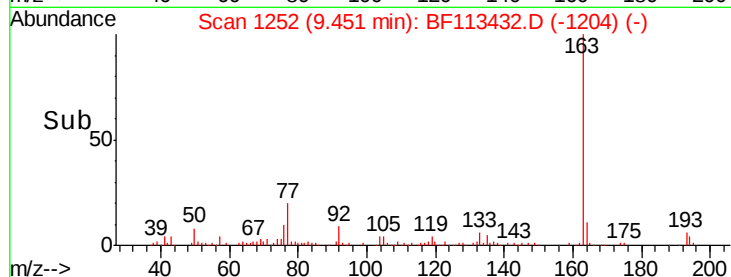
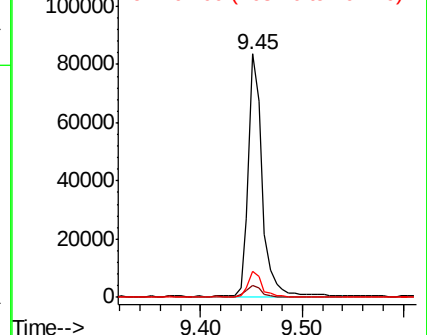
164 10.8 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

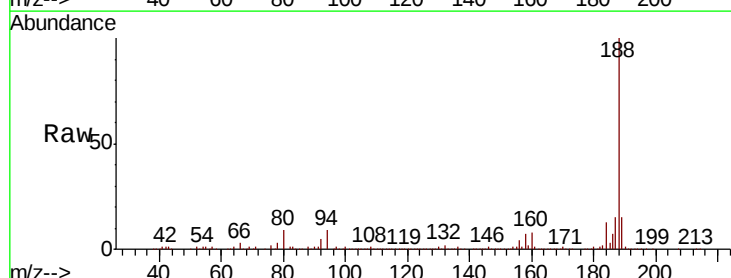
Tgt Ion:188 Resp: 434273

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

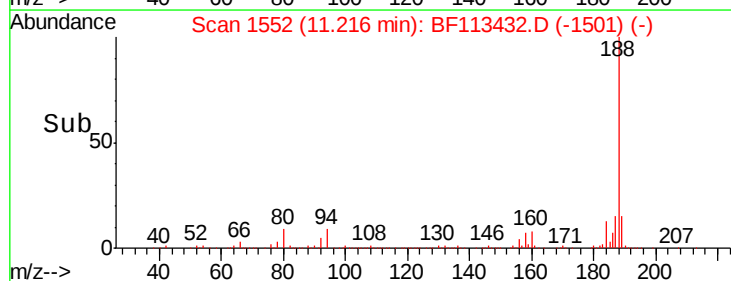
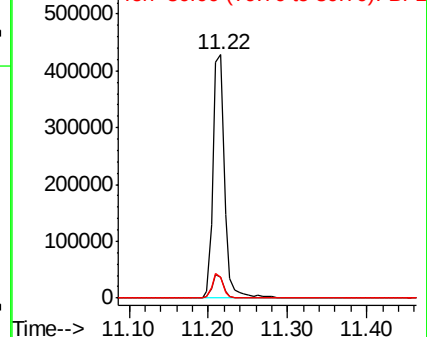
80 8.6 7.7 11.5

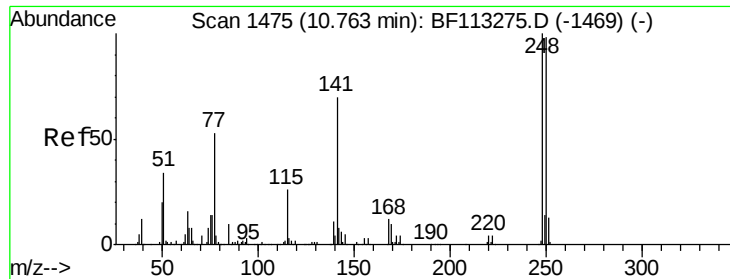


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

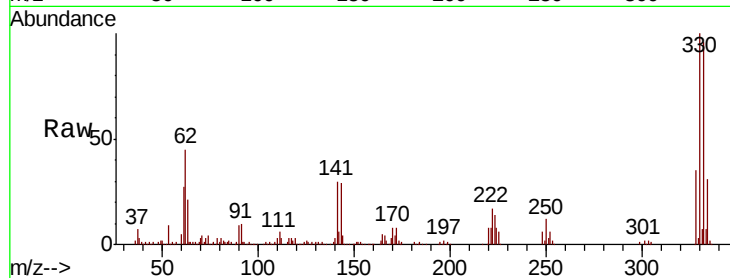




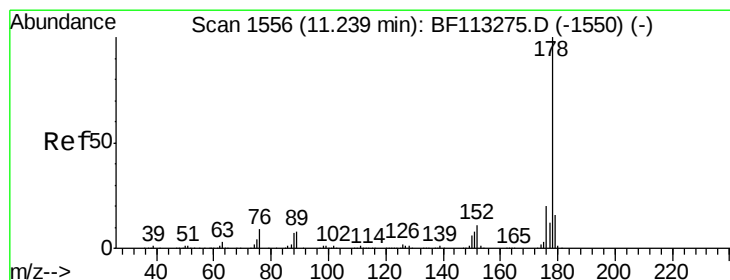
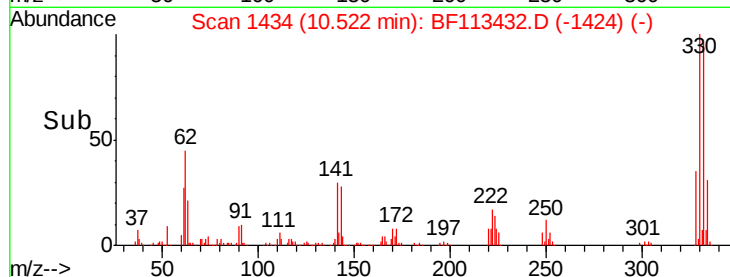
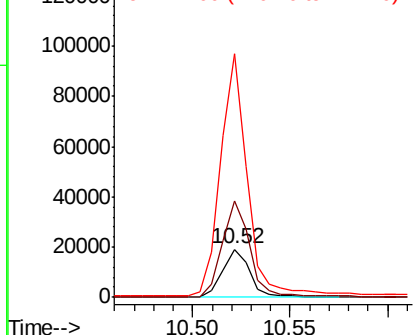
#67
4-Bromophenyl-phenylether
Concen: 3.968 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.24 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-036-B

Tgt Ion:248 Resp: 18782
Ion Ratio Lower Upper
248 100
250 199.3 78.3 117.5#
141 505.5 56.2 84.4#

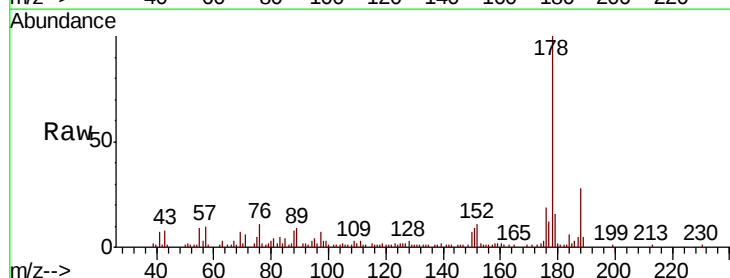


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

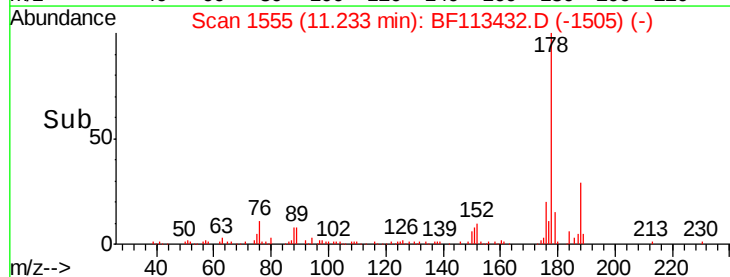
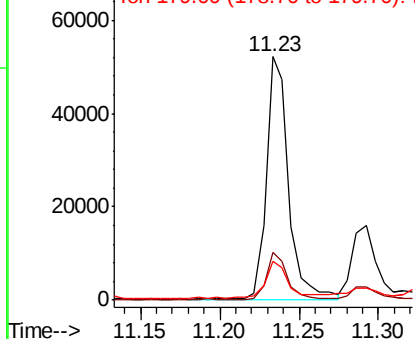


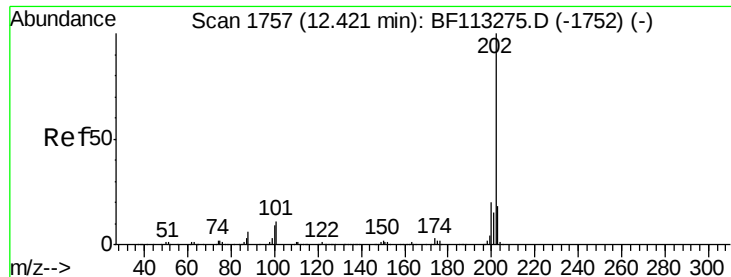
#71
Phenanthrene
Concen: 2.407 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

Tgt Ion:178 Resp: 51902
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 16.1 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: 4.906 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

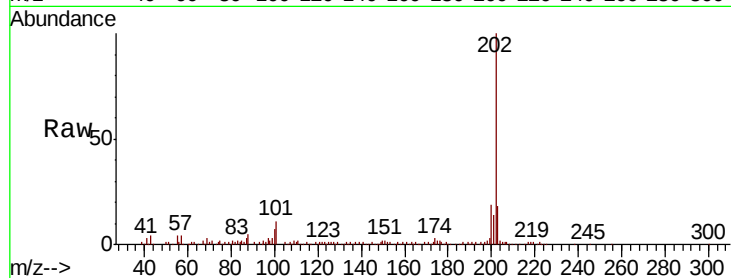
Tgt Ion:202 Resp: 119606

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

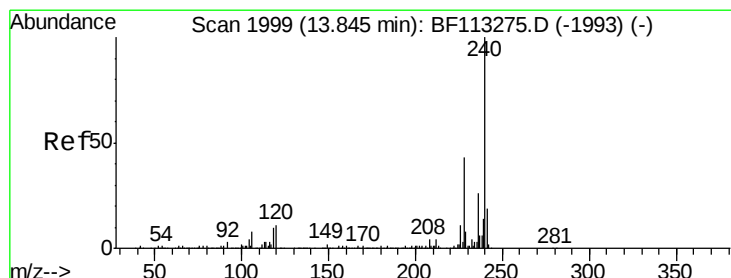
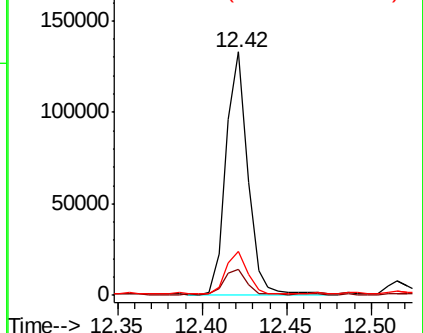
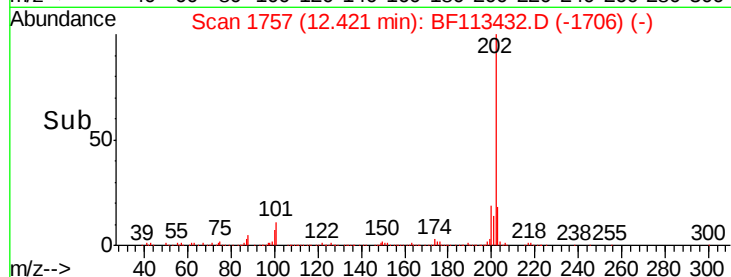
203 17.9 0.0 38.0



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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

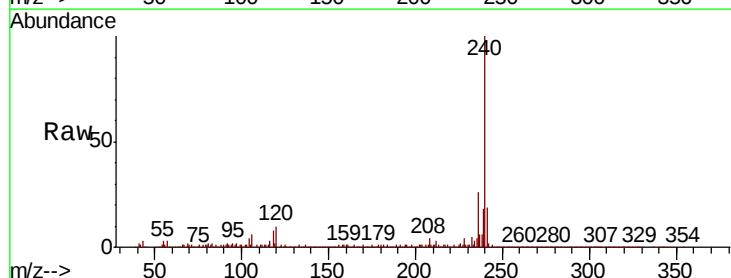
Tgt Ion:240 Resp: 406523

Ion Ratio Lower Upper

240 100

120 9.6 8.8 13.2

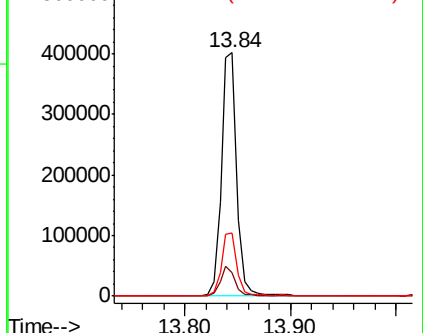
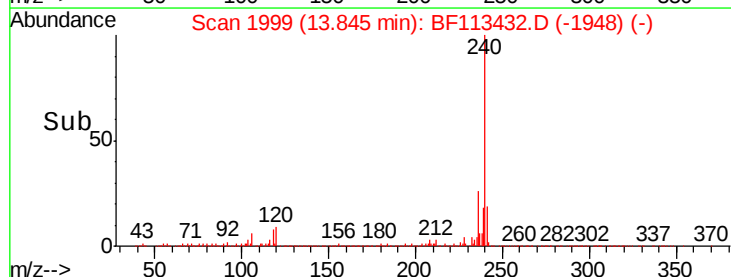
236 26.0 20.9 31.3

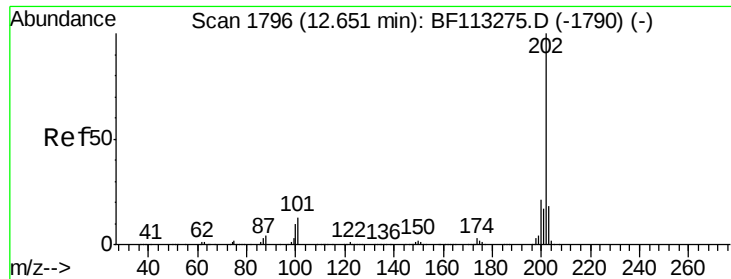


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.272 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

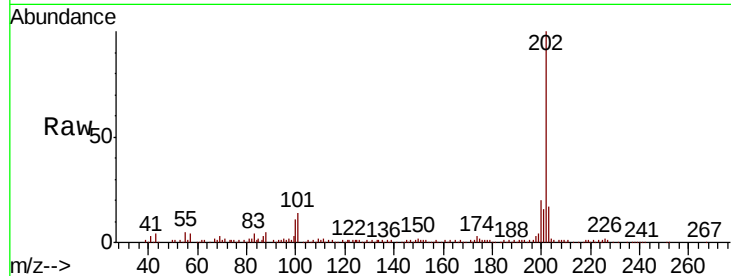
Tgt Ion:202 Resp: 120344

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

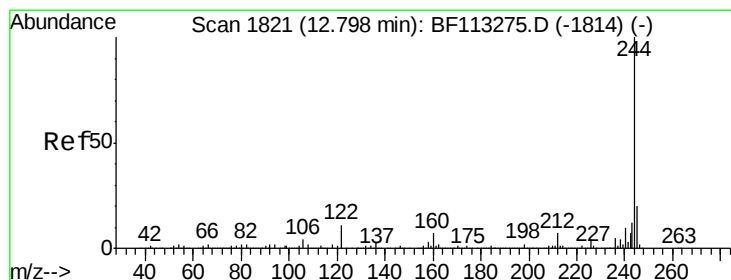
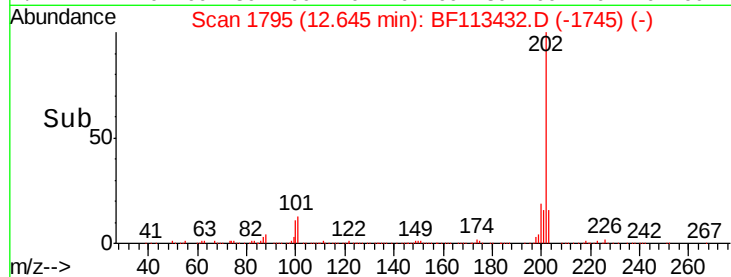
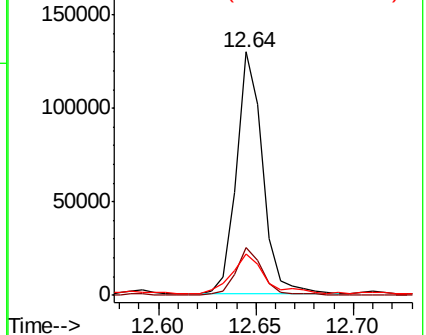
203 17.0 14.4 21.6



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: 73.719 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

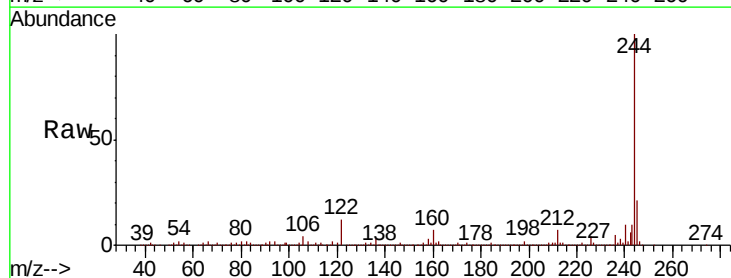
Tgt Ion:244 Resp: 1359636

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

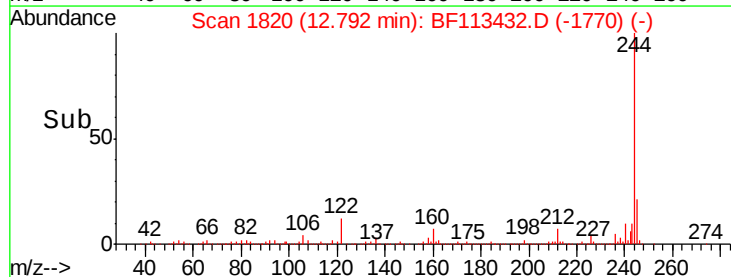
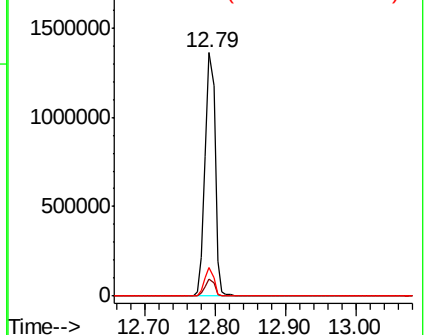
122 11.9 8.6 13.0

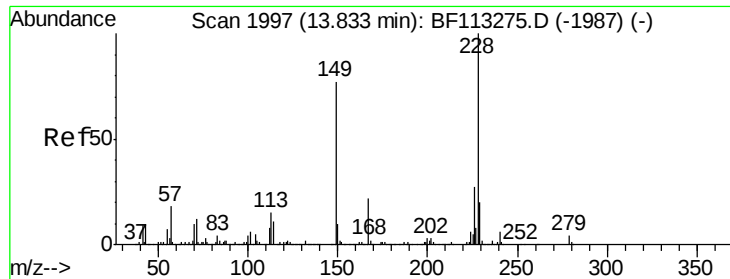


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.930 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

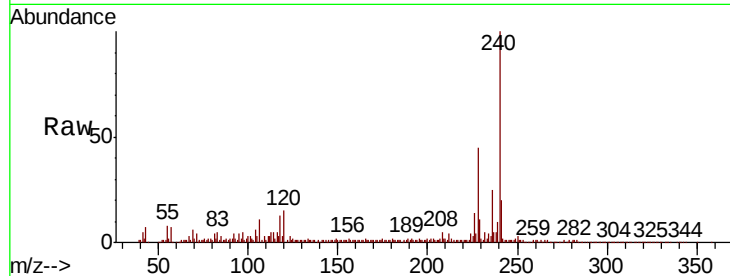
Tgt Ion:228 Resp: 68184

Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.8

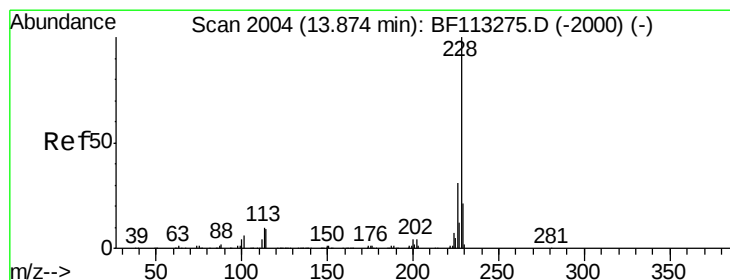
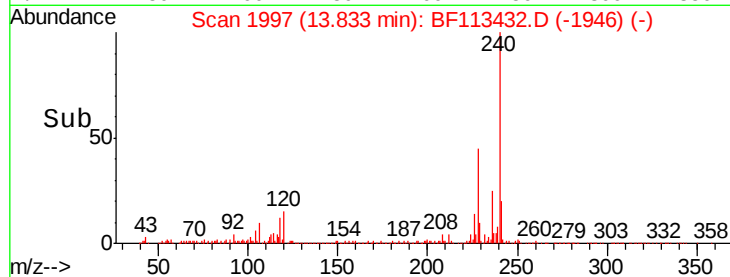
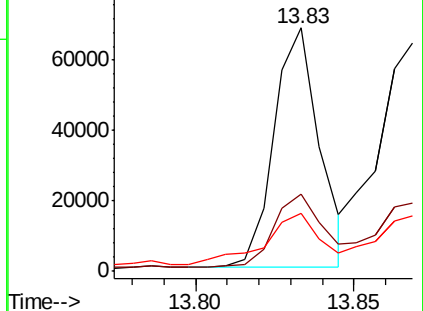
229 23.6 16.2 24.4



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



#83

Chrysene

Concen: 3.113 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

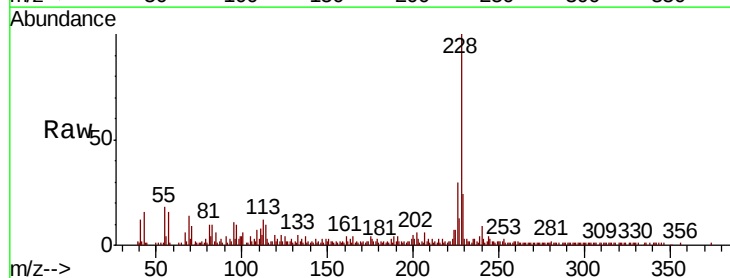
Tgt Ion:228 Resp: 73581

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

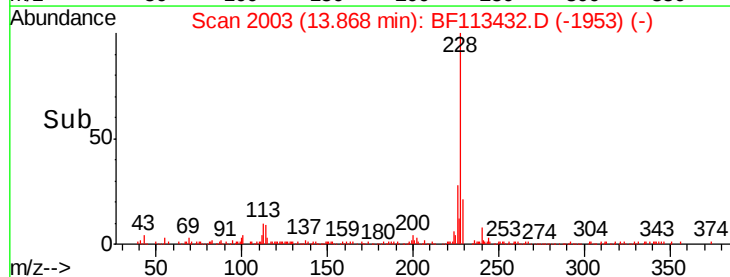
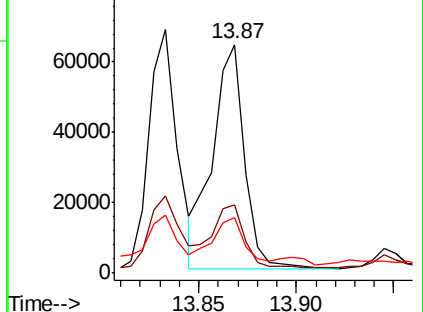
229 24.0 16.3 24.5

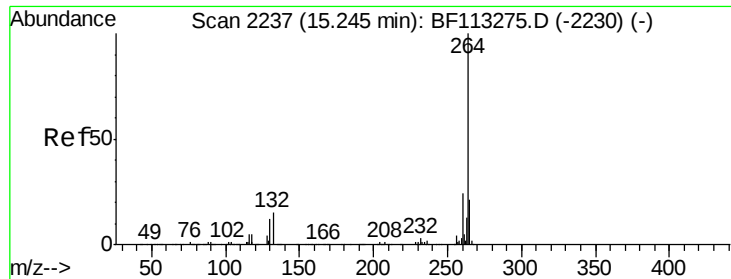


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

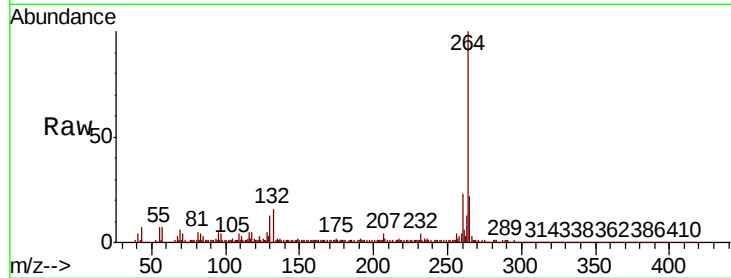
Tgt Ion:264 Resp: 315723

Ion Ratio Lower Upper

264 100

260 22.7 19.1 28.7

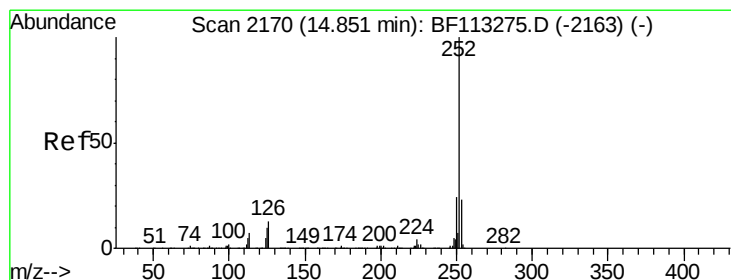
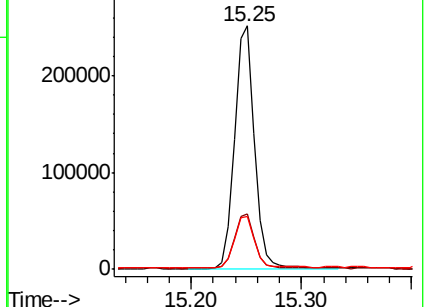
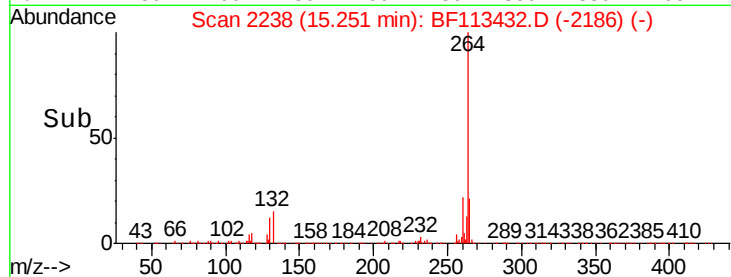
265 21.8 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.349 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

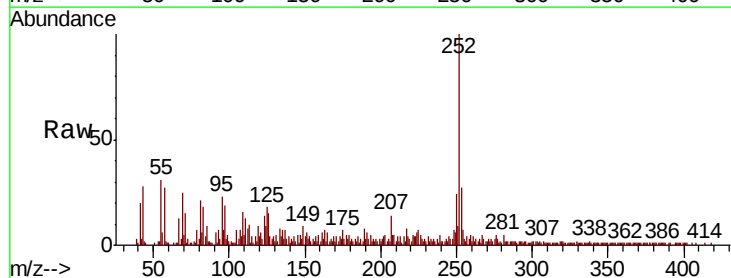
Tgt Ion:252 Resp: 104910

Ion Ratio Lower Upper

252 100

253 26.6 18.0 27.0

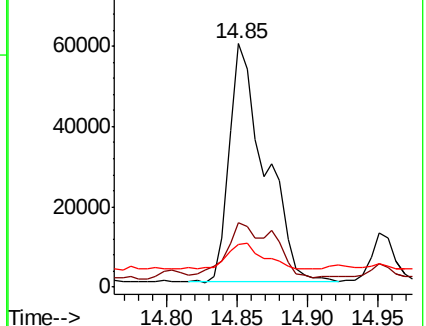
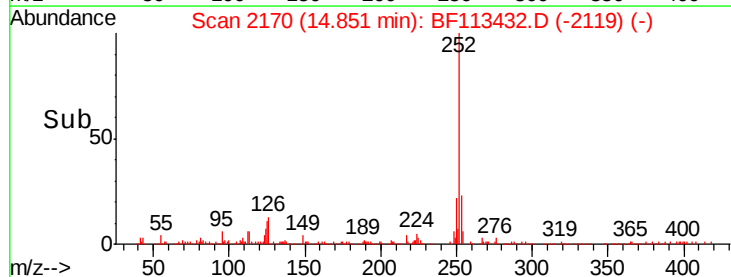
125 17.5 7.6 11.4#

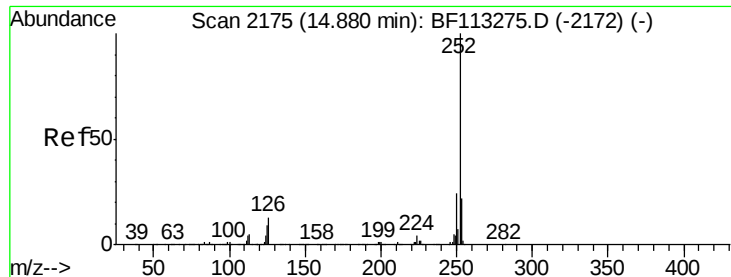


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

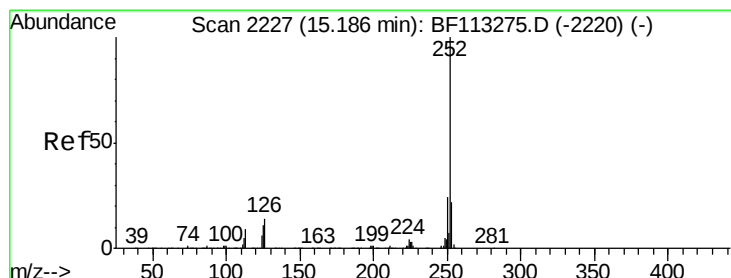
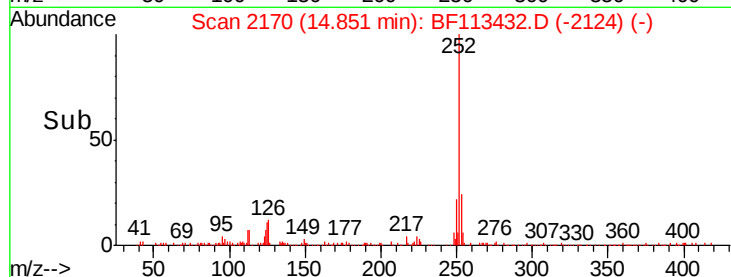
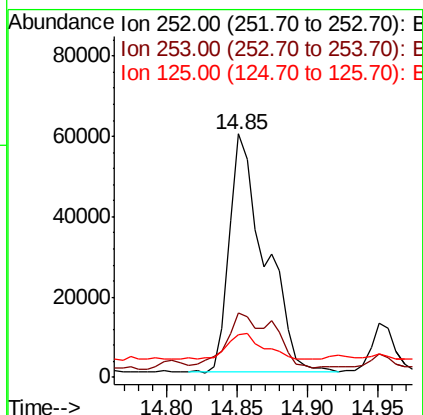
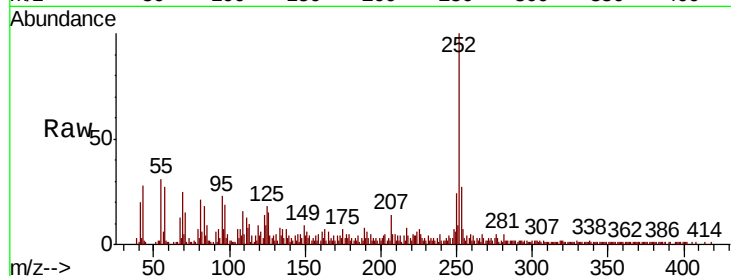




#89
Benzo(k)fluoranthene
Concen: 6.091 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

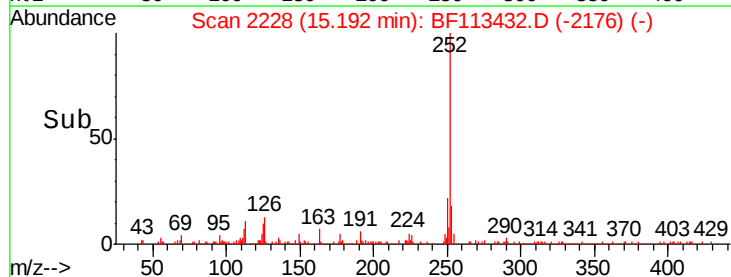
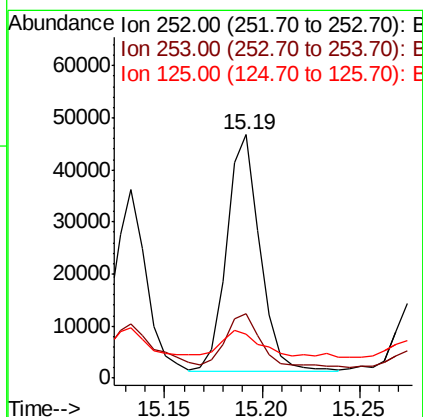
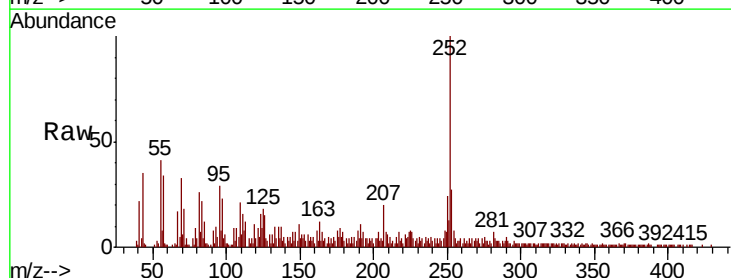
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-036-B

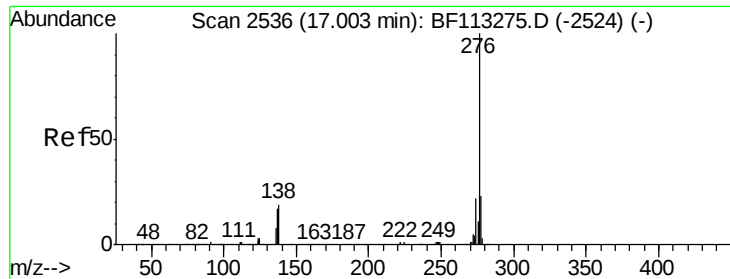
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.7	26.5#
125	17.5	7.3	10.9#



#90
Benzo(a)pyrene
Concen: 3.058 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113432.D
Acq: 30 Mar 2019 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	18.1	8.8	13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.098 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF113432.D

Acq: 30 Mar 2019 00:12

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-036-B

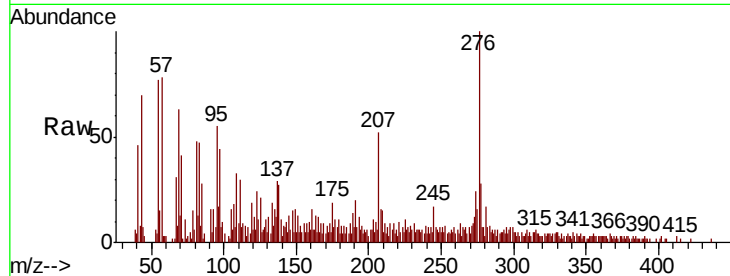
Tgt Ion: 276 Resp: 31809

Ion Ratio Lower Upper

276 100

277 28.2 18.8 28.2#

138 26.8 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

