

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112820.D
 Acq On : 4 Mar 2019 13:23
 Operator : JU/SJ
 Sample : K1672-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-033-B

Quant Time: Mar 05 00:35:42 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	190069	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	688790	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	284123	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	493027	20.00	ng	0.00
76) Chrysene-d12	13.88	240	491304	20.00	ng	0.00
87) Perylene-d12	15.29	264	467601	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1096596	89.75	ng	0.01
7) Phenol-d6	6.38	99	1401403	91.30	ng	0.01
23) Nitrobenzene-d5	7.30	82	837816	72.78	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	318246	105.51	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1335892	75.68	ng	0.00
79) Terphenyl-d14	12.83	244	1234121	48.69	ng	0.00

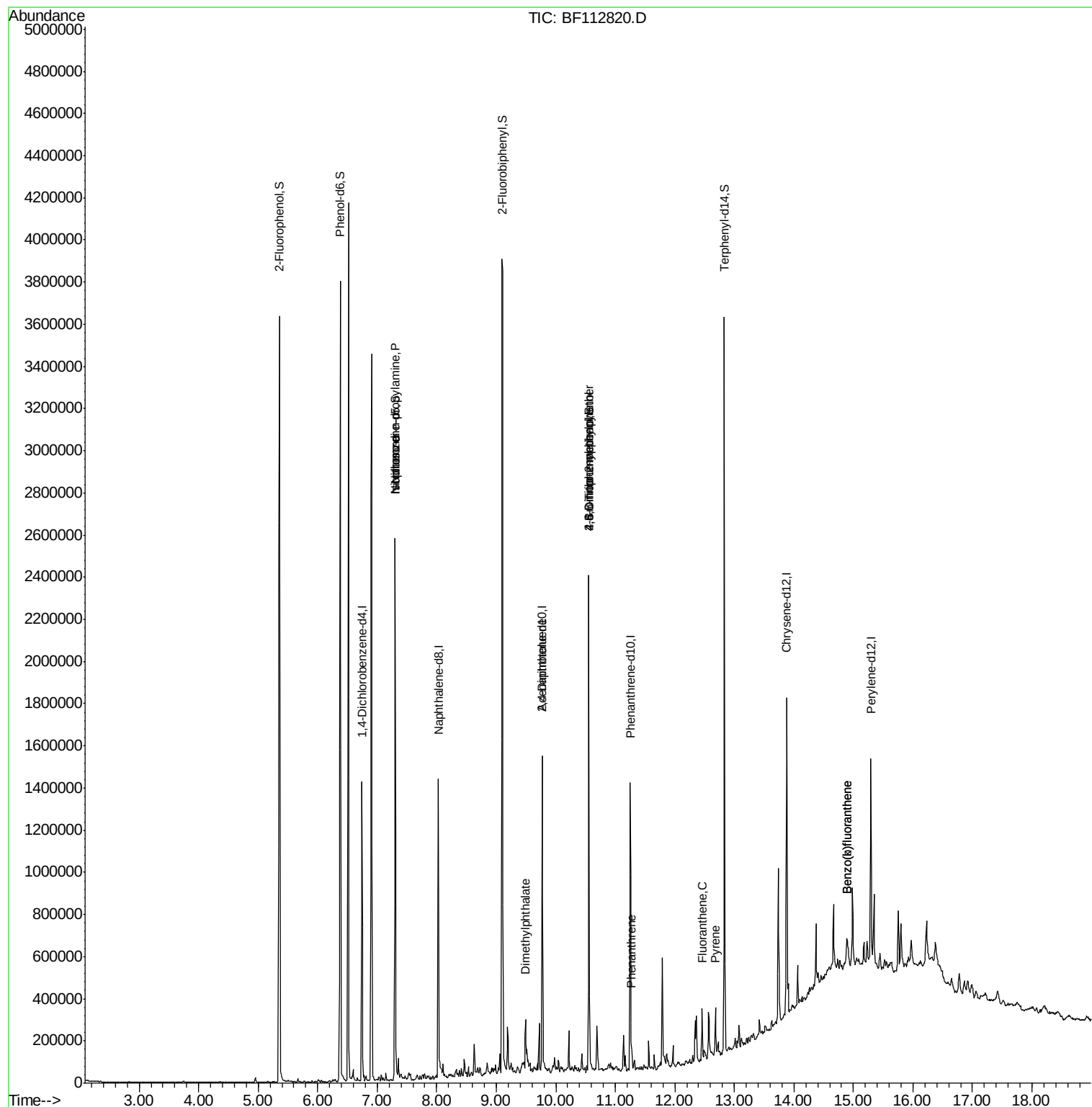
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	110839	11.402	ng	# 77
25) Isophorone	7.30	82	815522	32.886	ng	# 66
50) Dimethylphthalate	9.49	163	82486	3.937	ng	98
57) 2,4-Dinitrotoluene	9.77	165	38023	7.012	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	591	4.876	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	18187	3.502	ng	# 1
71) Phenanthrene	11.27	178	54434	2.219	ng	99
75) Fluoranthene	12.46	202	94043	3.578	ng	98
78) Pyrene	12.69	202	93988	2.269	ng	99
88) Benzo(b)fluoranthene	14.89	252	102728	3.396	ng	# 92
89) Benzo(k)fluoranthene	14.89	252	102728	3.750	ng	# 91

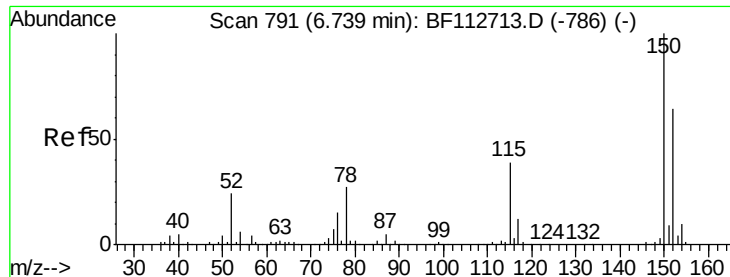
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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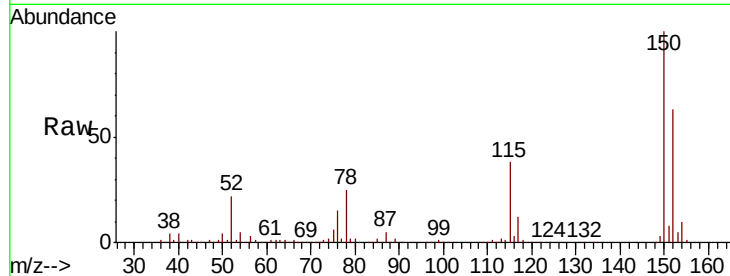


#1

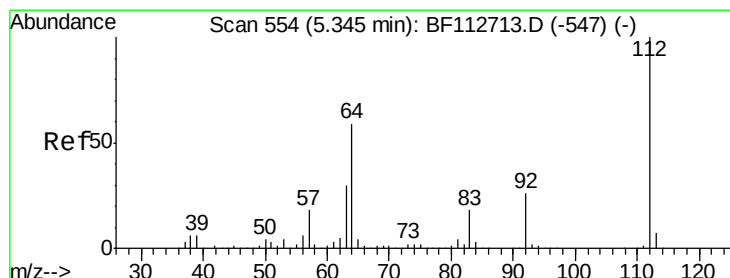
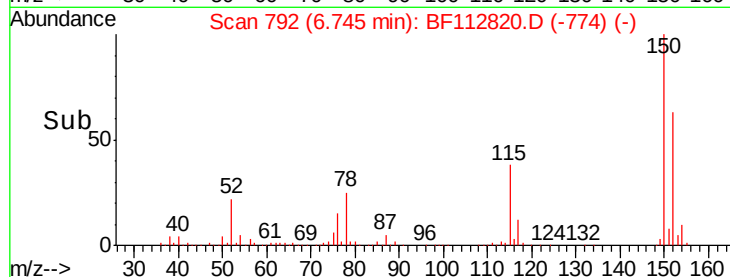
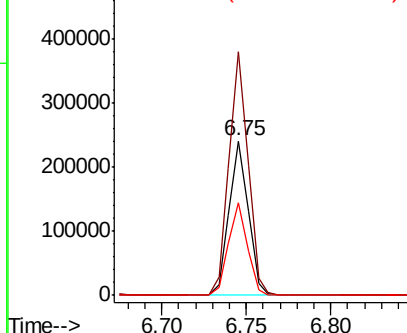
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-033-B

Tgt Ion:152 Resp: 190069
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 60.1 48.2 72.4



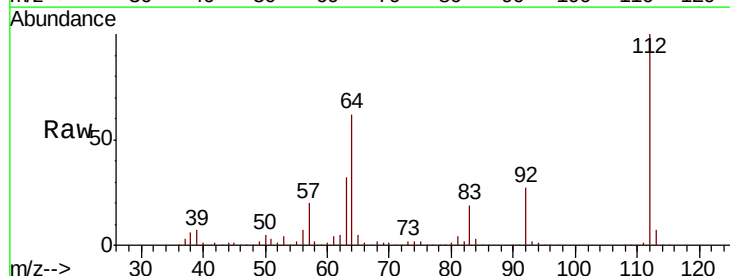
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



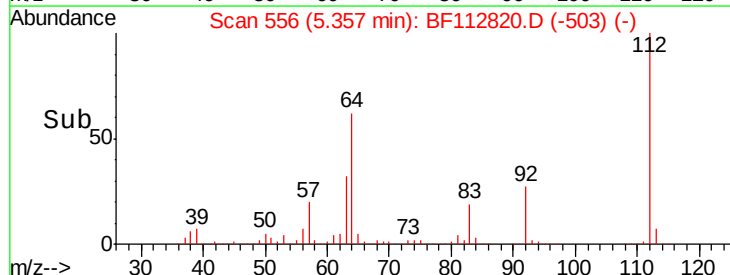
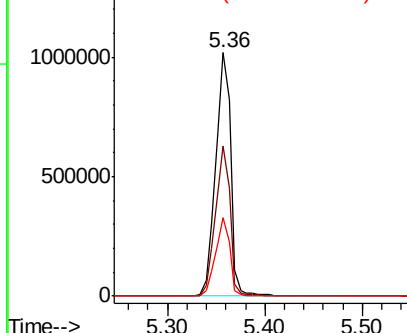
#5

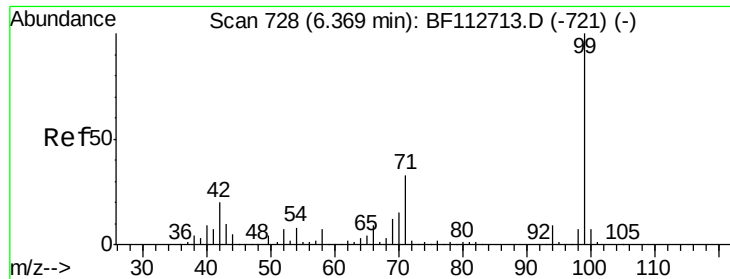
2-Fluorophenol
Concen: 89.747 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Tgt Ion:112 Resp: 1096596
Ion Ratio Lower Upper
112 100
64 61.8 47.6 71.4
63 32.4 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: 91.304 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-033-B

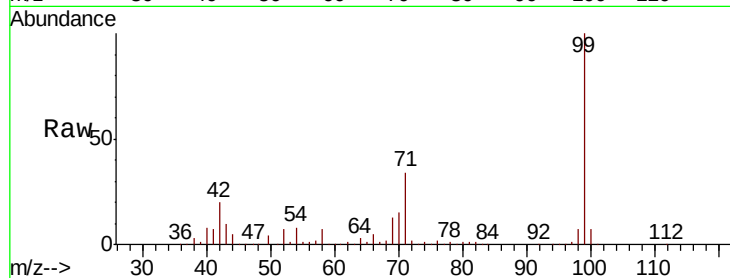
Tgt Ion: 99 Resp: 1401403

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

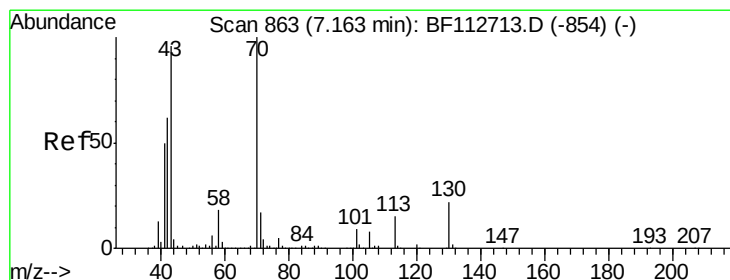
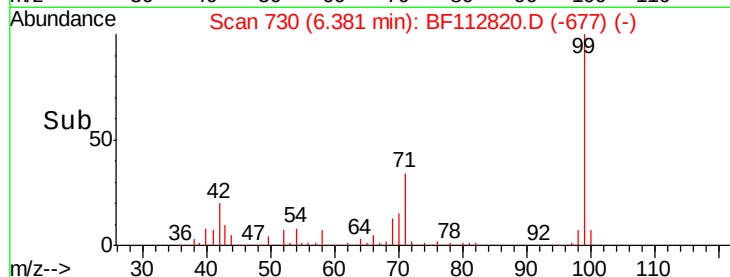
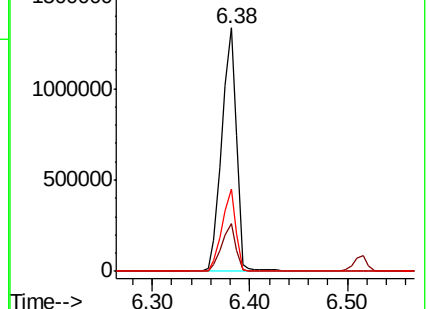
71 33.9 26.2 39.4



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: 11.402 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Tgt Ion: 70 Resp: 110839

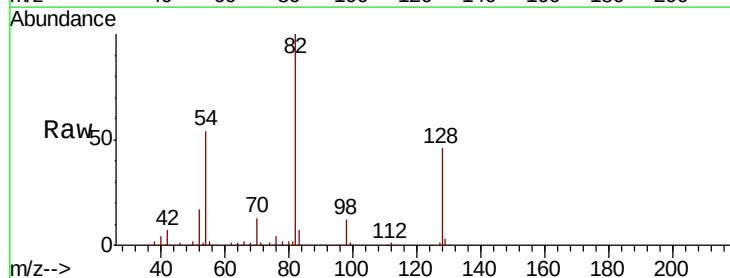
Ion Ratio Lower Upper

70 100

42 49.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

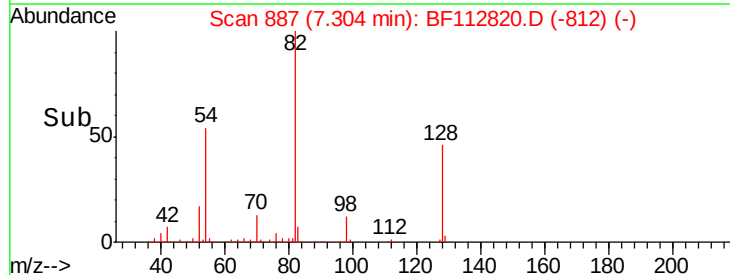
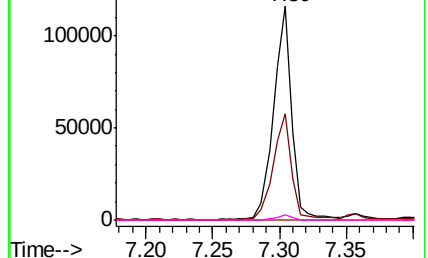


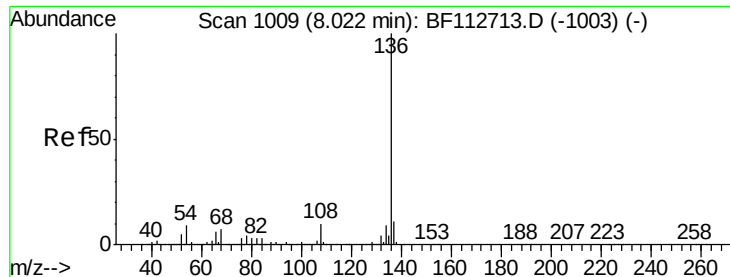
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

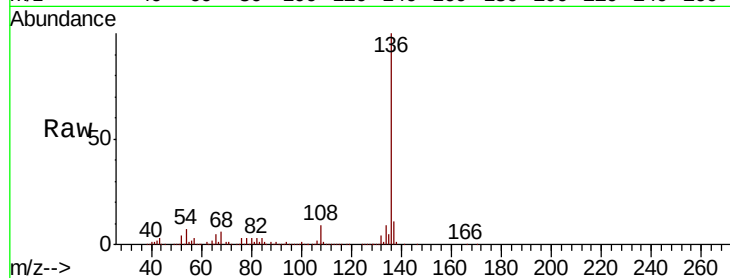




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-033-B

Tgt Ion:	136	Resp:	688790
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	7.3	10.9
68	5.6	5.4	8.2



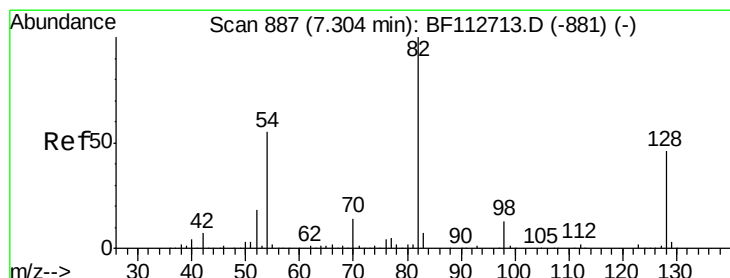
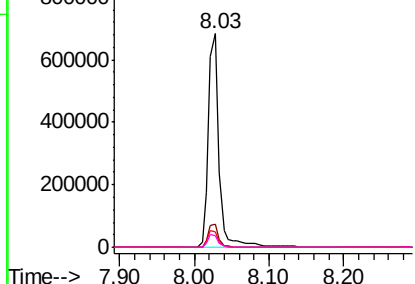
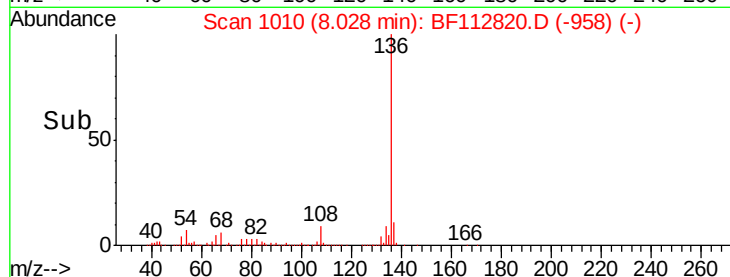
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

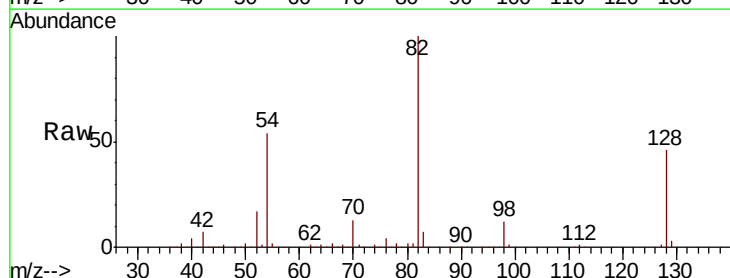
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 72.784 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Tgt Ion:	82	Resp:	837816
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.3	54.5
54	53.7	43.7	65.5

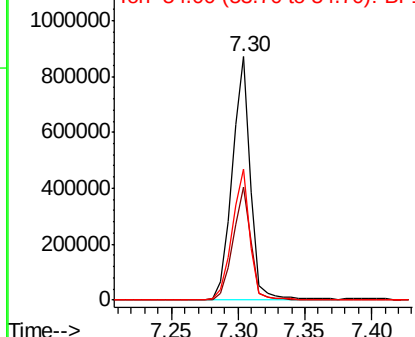
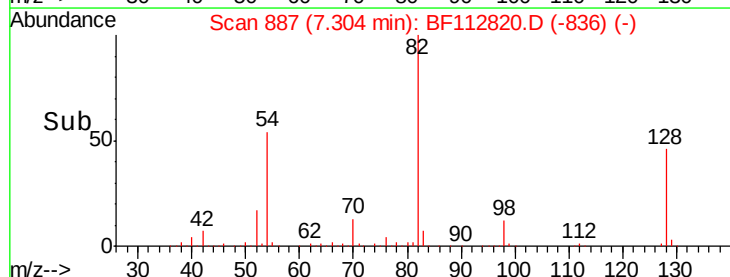


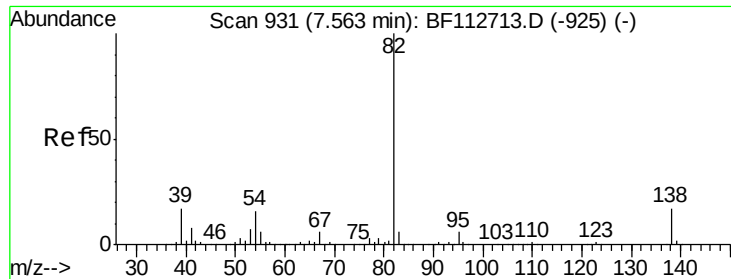
Abundance

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: 32.886 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.26 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

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ClientSampleId :

FK-GF-02-033-B

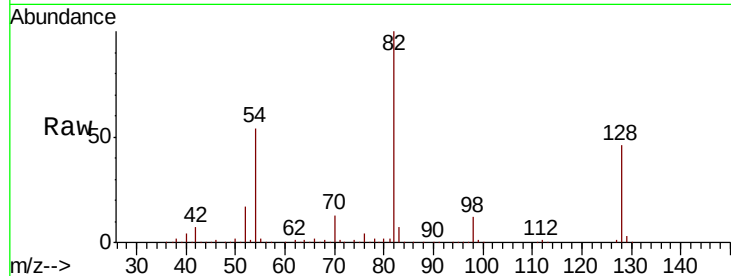
Tgt Ion: 82 Resp: 815522

Ion Ratio Lower Upper

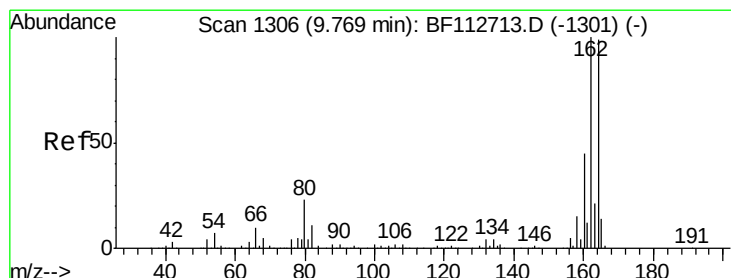
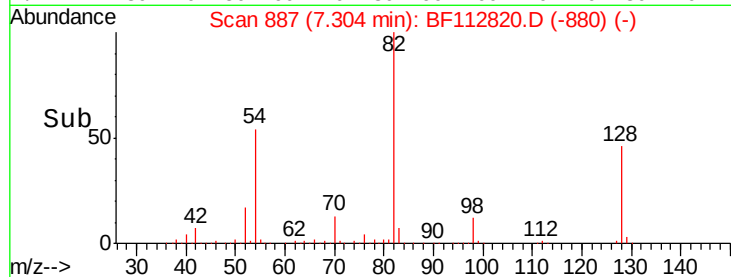
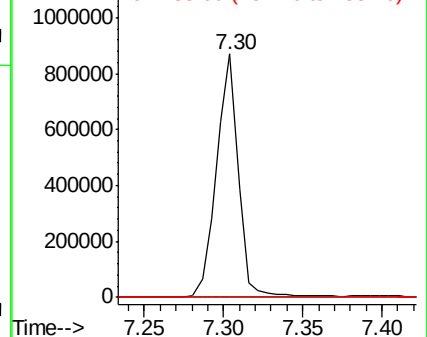
82 100

95 0.1 5.2 7.8#

138 0.0 13.8 20.8#



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: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

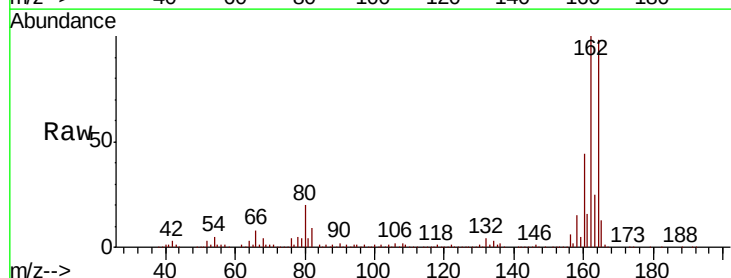
Tgt Ion: 164 Resp: 284123

Ion Ratio Lower Upper

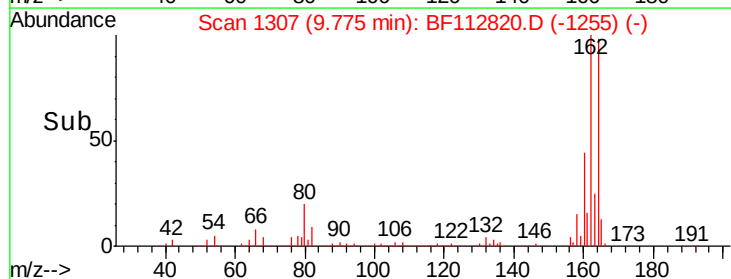
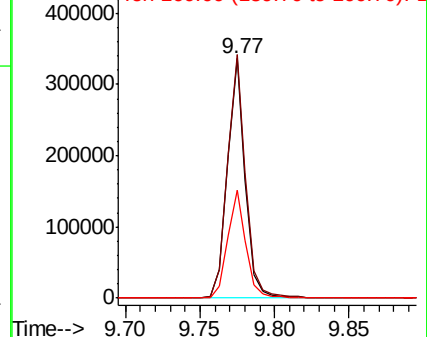
164 100

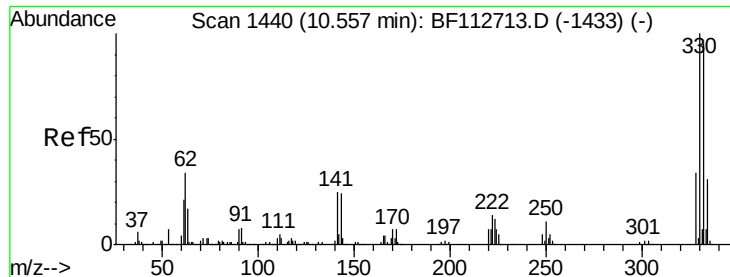
162 101.8 80.6 120.8

160 45.2 36.0 54.0



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: 105.508 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

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ClientSampleId :

FK-GF-02-033-B

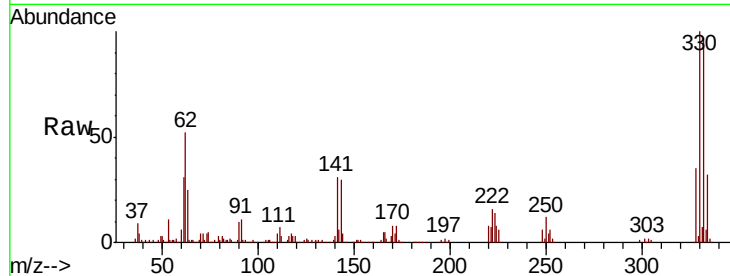
Tgt Ion:330 Resp: 318246

Ion Ratio Lower Upper

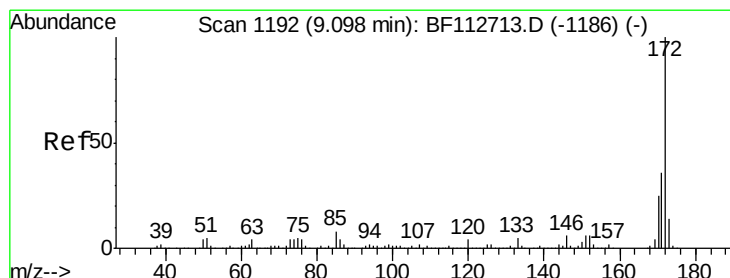
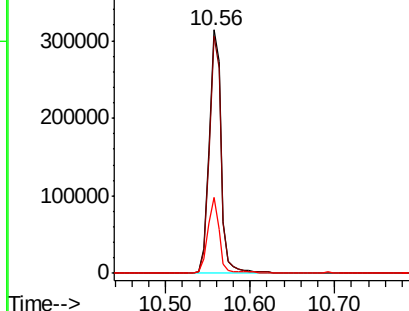
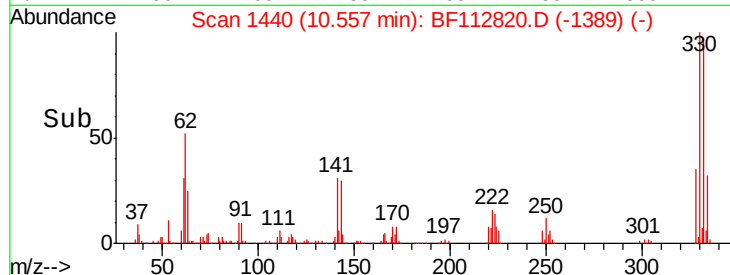
330 100

332 96.1 76.2 114.4

141 30.4 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: 75.678 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

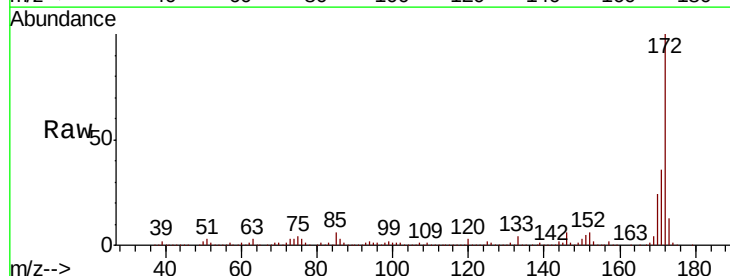
Tgt Ion:172 Resp: 1335892

Ion Ratio Lower Upper

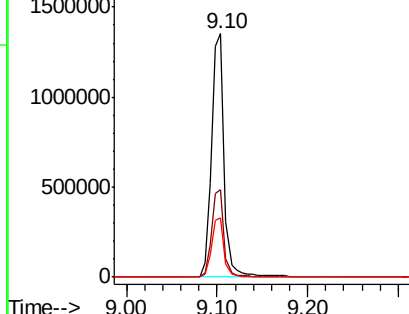
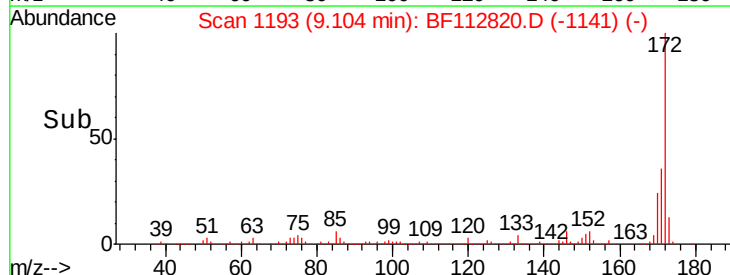
172 100

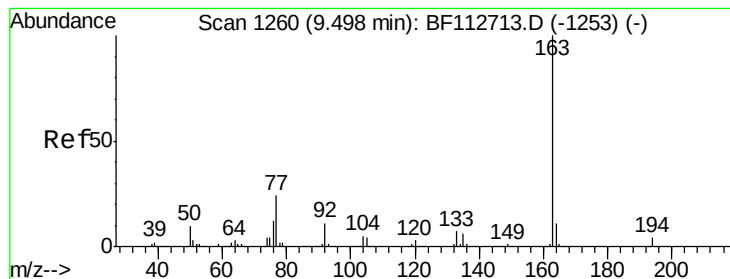
171 36.2 29.0 43.4

170 24.3 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: 3.937 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

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FK-GF-02-033-B

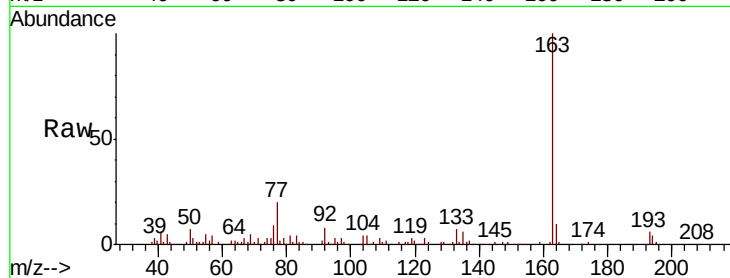
Tgt Ion:163 Resp: 82486

Ion Ratio Lower Upper

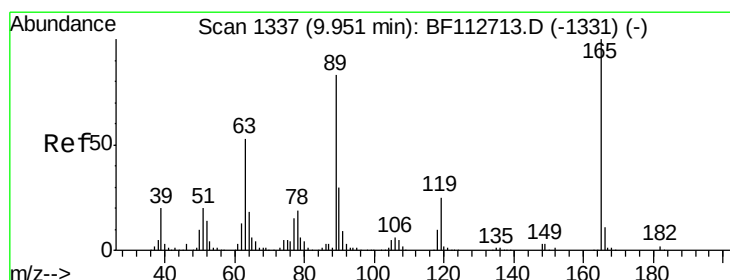
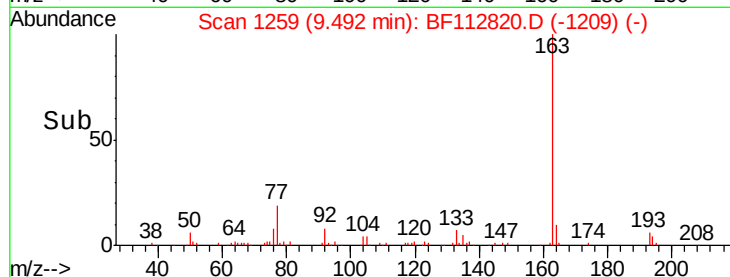
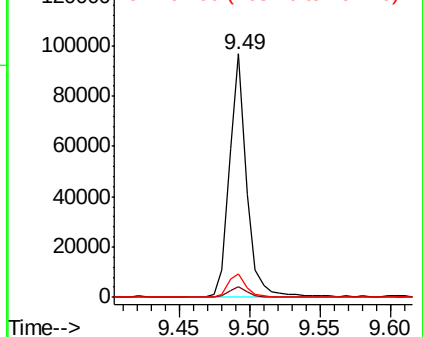
163 100

194 4.4 3.0 4.4

164 9.6 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



#57

2,4-Dinitrotoluene

Concen: 7.012 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.18 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Tgt Ion:165 Resp: 38023

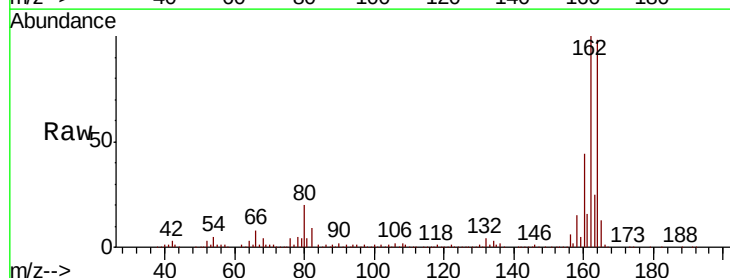
Ion Ratio Lower Upper

165 100

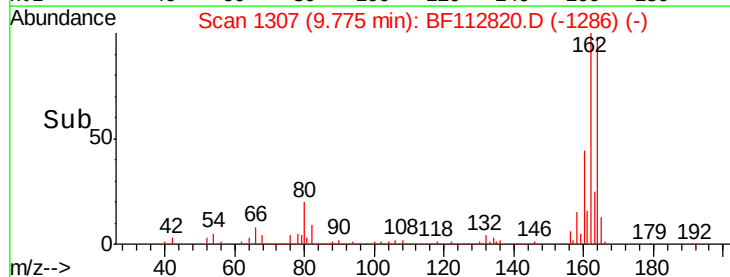
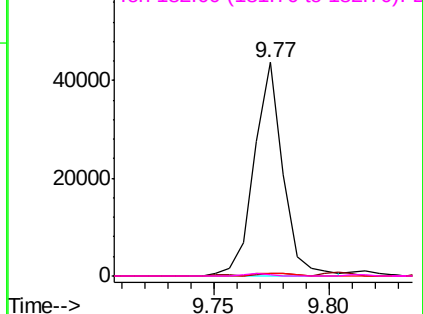
63 1.4 42.2 63.2#

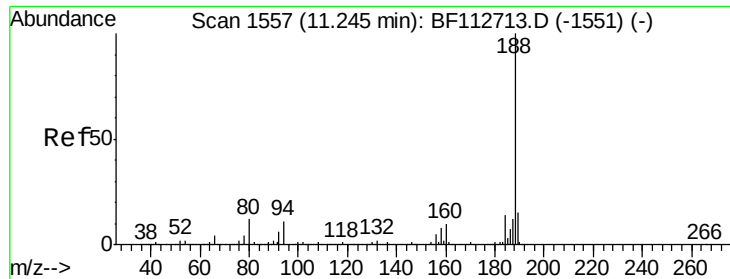
89 1.3 66.2 99.4#

182 0.9 1.8 2.6#



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
Ion 182.00 (181.70 to 182.70): E

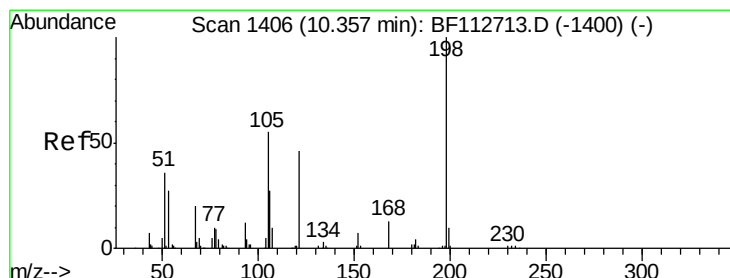
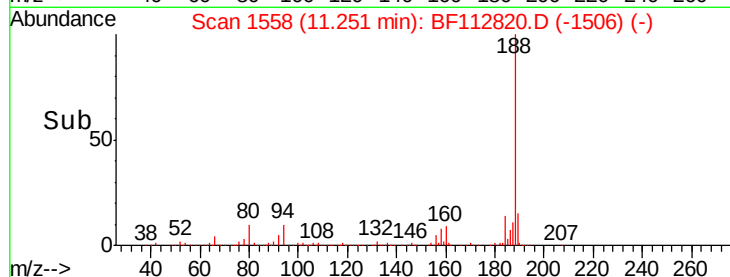
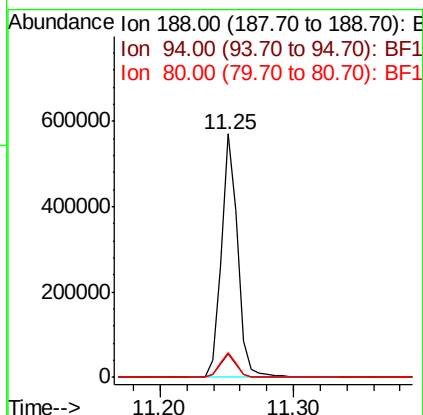
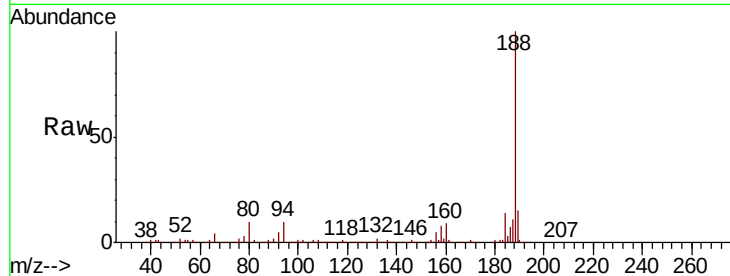




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

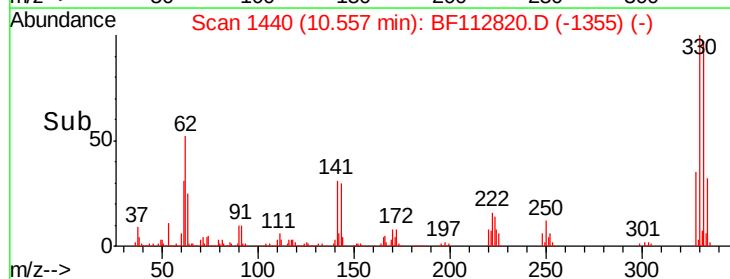
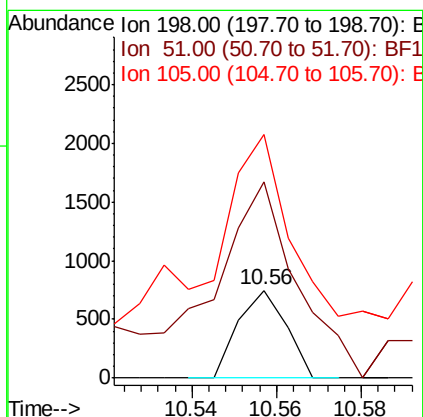
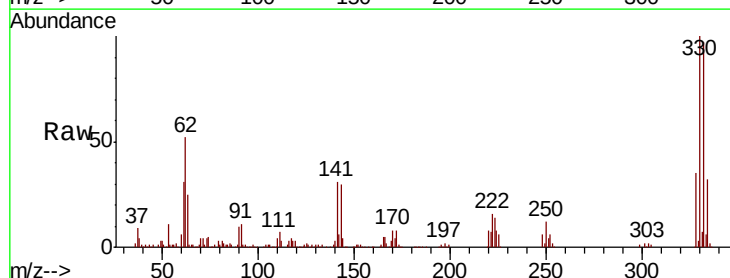
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-033-B

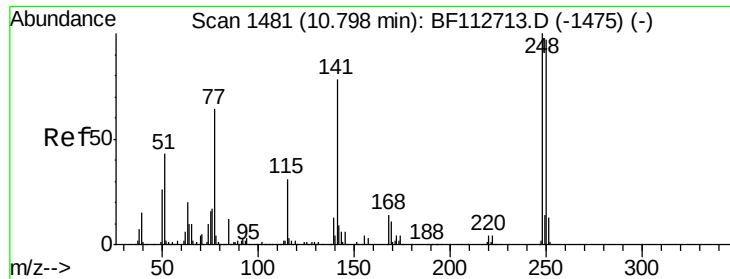
Tgt Ion:188 Resp: 493027
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.4
80 10.1 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.876 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.20 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Tgt Ion:198 Resp: 591
Ion Ratio Lower Upper
198 100
51 223.8 43.8 83.8#
105 277.6 36.5 76.5#

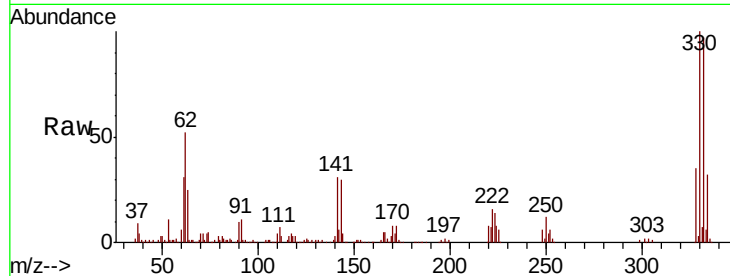




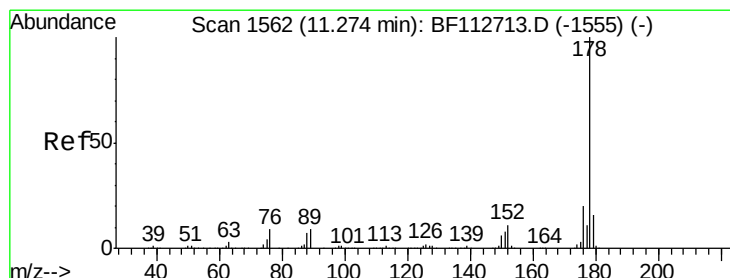
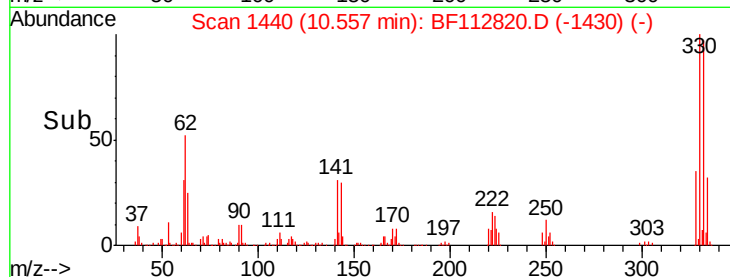
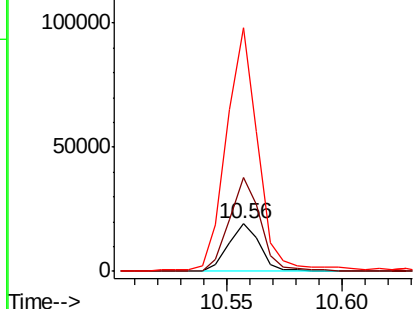
#67
 4-Bromophenyl-phenylether
 Concen: 3.502 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112820.D
 Acq: 4 Mar 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-033-B

Tgt Ion:248 Resp: 18187
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.5 116.3#
 141 509.9 62.4 93.6#

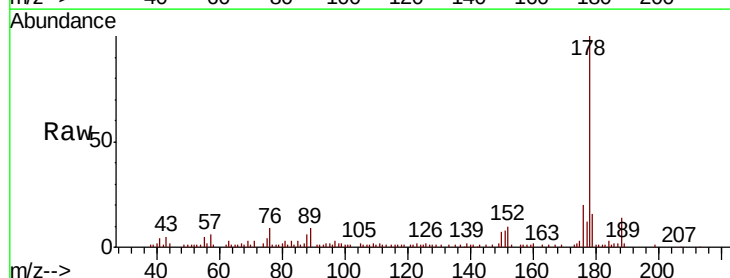


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

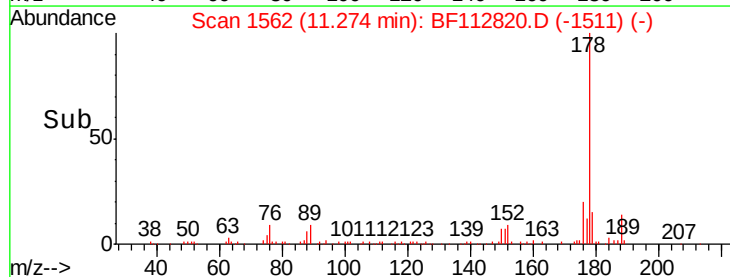
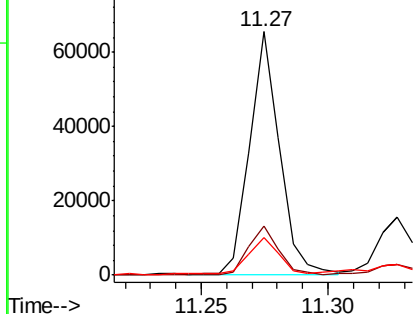


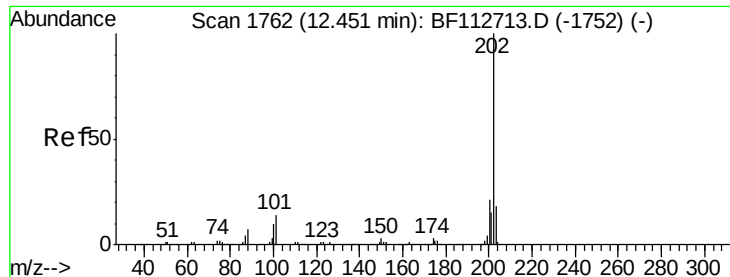
#71
 Phenanthrene
 Concen: 2.219 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF112820.D
 Acq: 4 Mar 2019 13:23

Tgt Ion:178 Resp: 54434
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.3 24.5
 179 15.6 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: 3.578 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-033-B

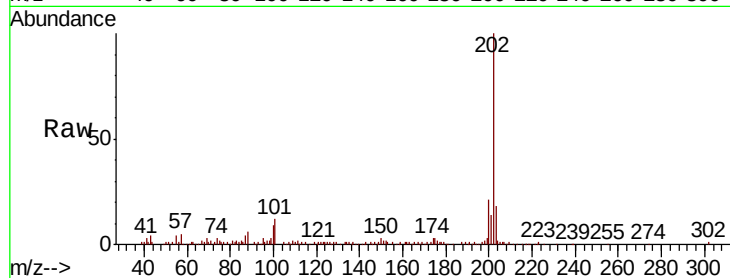
Tgt Ion:202 Resp: 94043

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.8

203 18.3 0.0 38.4

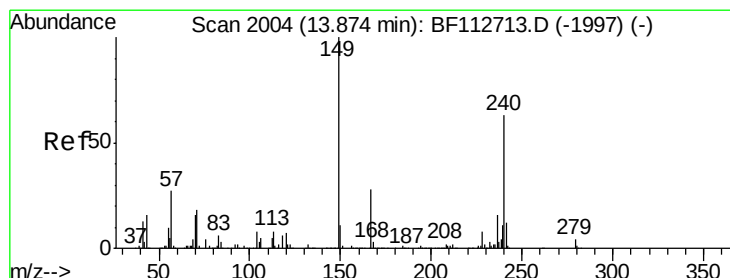
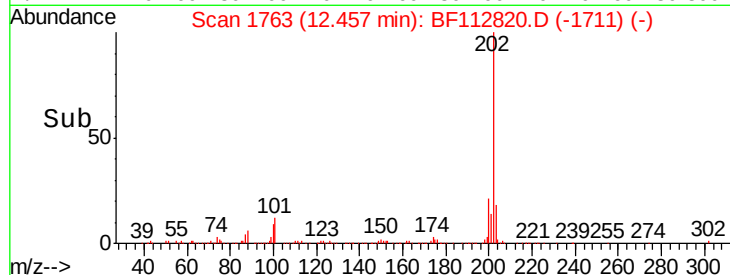
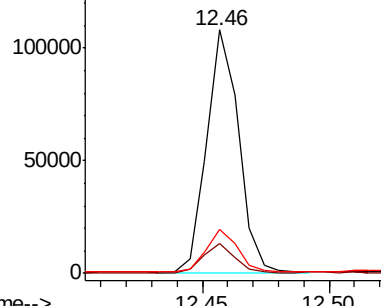


Abundance

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: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

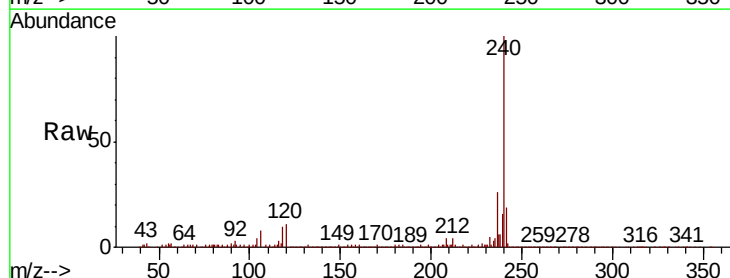
Tgt Ion:240 Resp: 491304

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 26.3 20.7 31.1

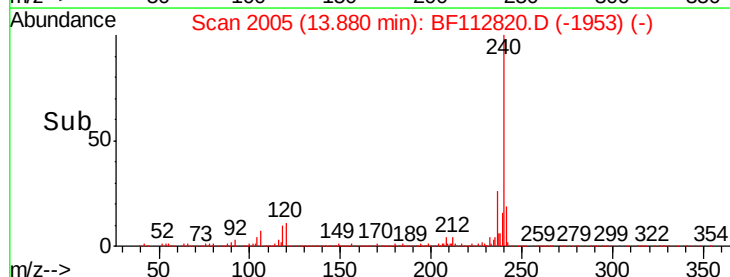
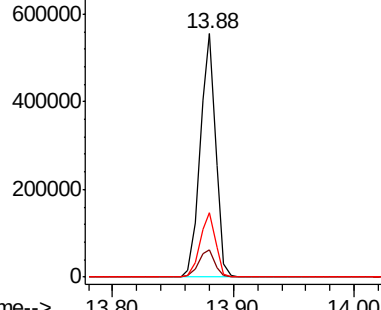


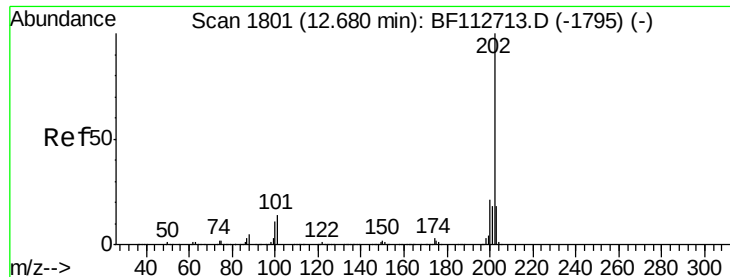
Abundance

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: 2.269 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-033-B

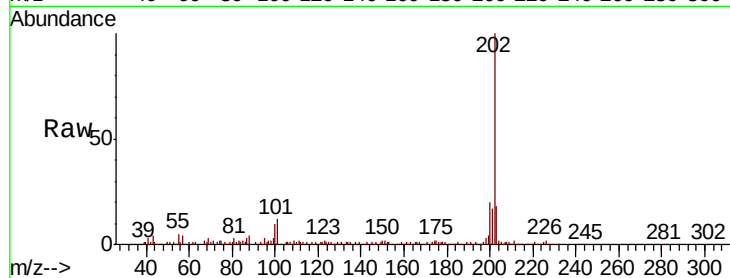
Tgt Ion:202 Resp: 93988

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

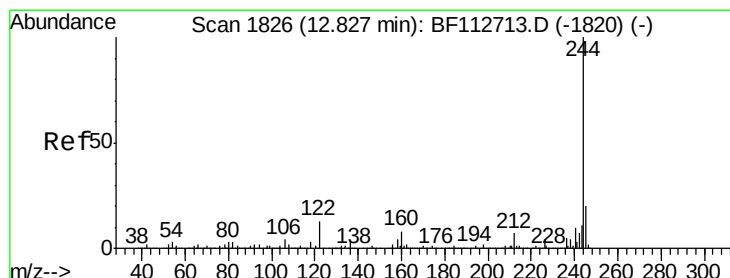
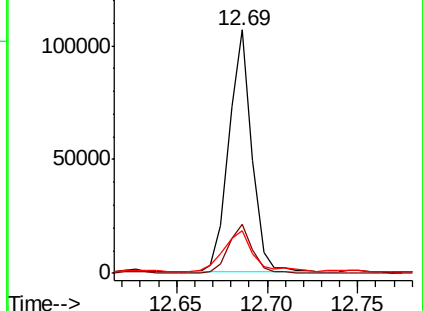
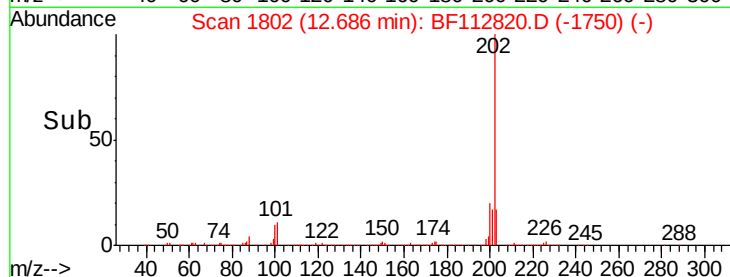
203 17.7 14.4 21.6



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: 48.694 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112820.D

Acq: 4 Mar 2019 13:23

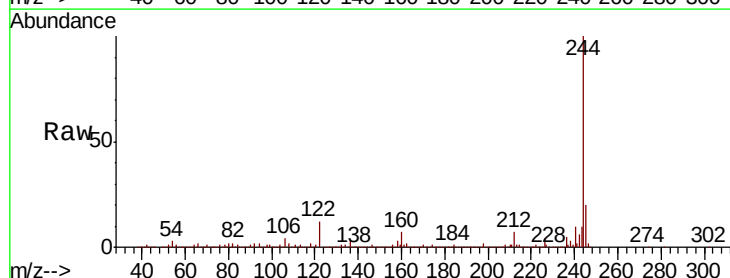
Tgt Ion:244 Resp: 1234121

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

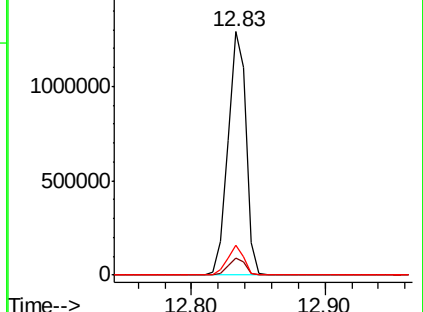
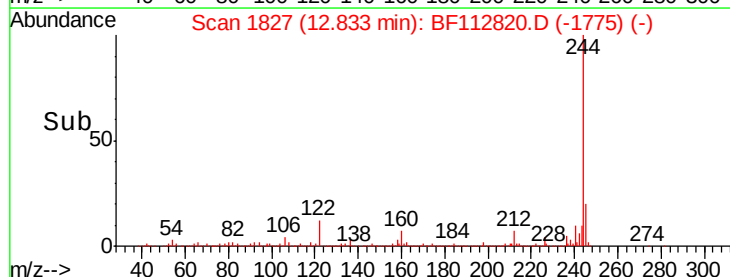
122 12.5 10.5 15.7

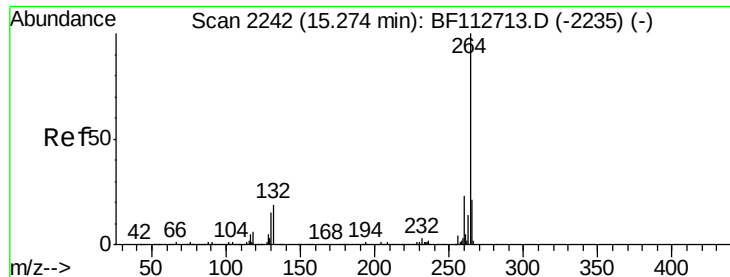


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

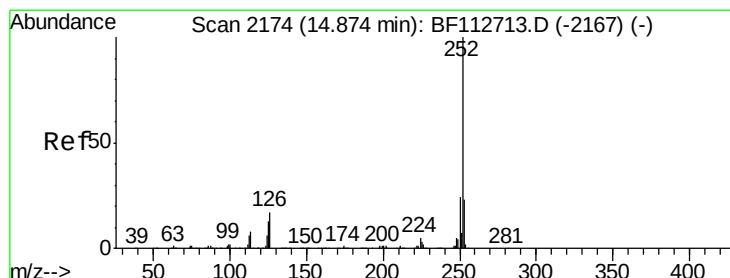
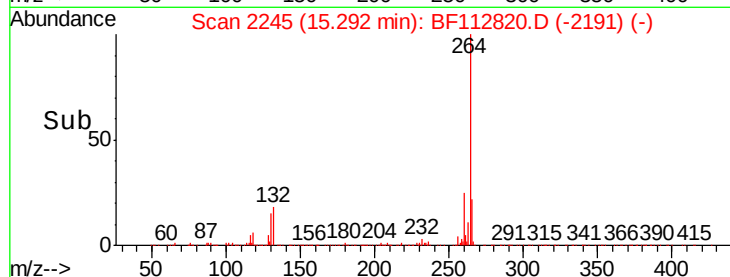
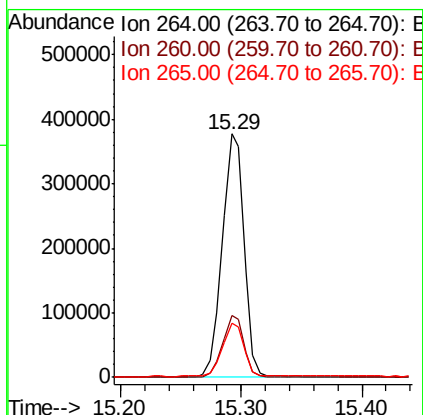
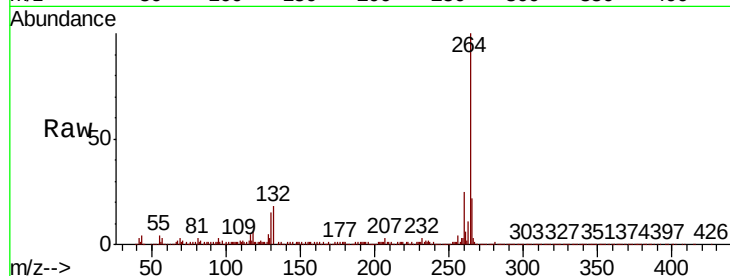




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

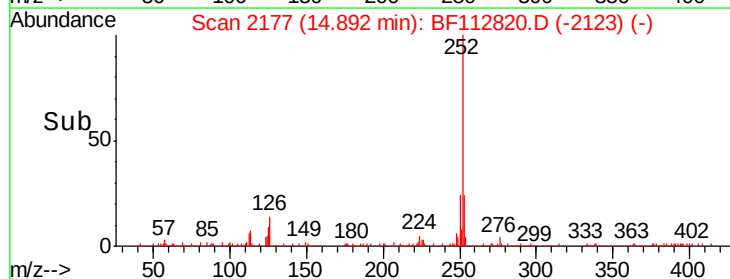
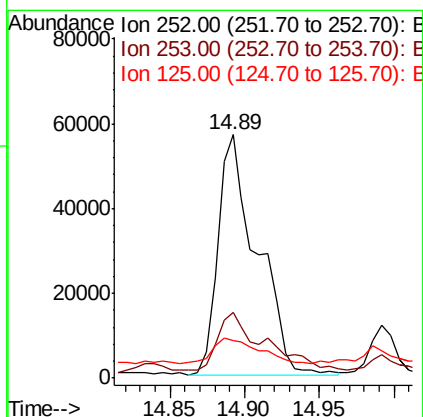
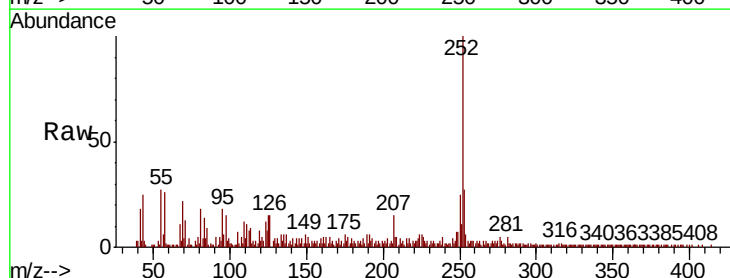
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-033-B

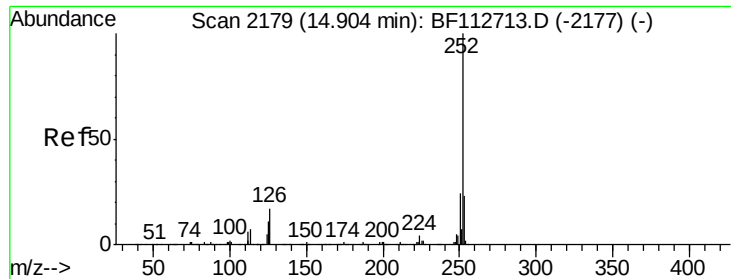
Tgt Ion:264 Resp: 467601
Ion Ratio Lower Upper
264 100
260 25.3 18.7 28.1
265 22.0 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 3.396 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112820.D
Acq: 4 Mar 2019 13:23

Tgt Ion:252 Resp: 102728
Ion Ratio Lower Upper
252 100
253 27.0 18.0 27.0
125 15.3 10.2 15.2#





#89
 Benzo(k)fluoranthene
 Concen: 3.750 ng
 RT: 14.89 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: BF112820.D
 Acq: 4 Mar 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-033-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.2
125	15.3	9.8	14.6

