

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111440.D
 Acq On : 15 Dec 2018 1:07
 Operator : JU/SJ
 Sample : J6374-03 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-029-B

Quant Time: Dec 15 02:54:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	167787	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	641003	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	255973	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	391370	20.00	ng	0.00
76) Chrysene-d12	13.95	240	296970	20.00	ng	0.00
87) Perylene-d12	15.40	264	204981	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	492802	48.87	ng	0.00
7) Phenol-d6	6.43	99	620904	46.29	ng	0.00
23) Nitrobenzene-d5	7.35	82	353057	32.80	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	88995	38.81	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	623710	37.64	ng	0.00
79) Terphenyl-d14	12.90	244	477434	37.75	ng	0.00

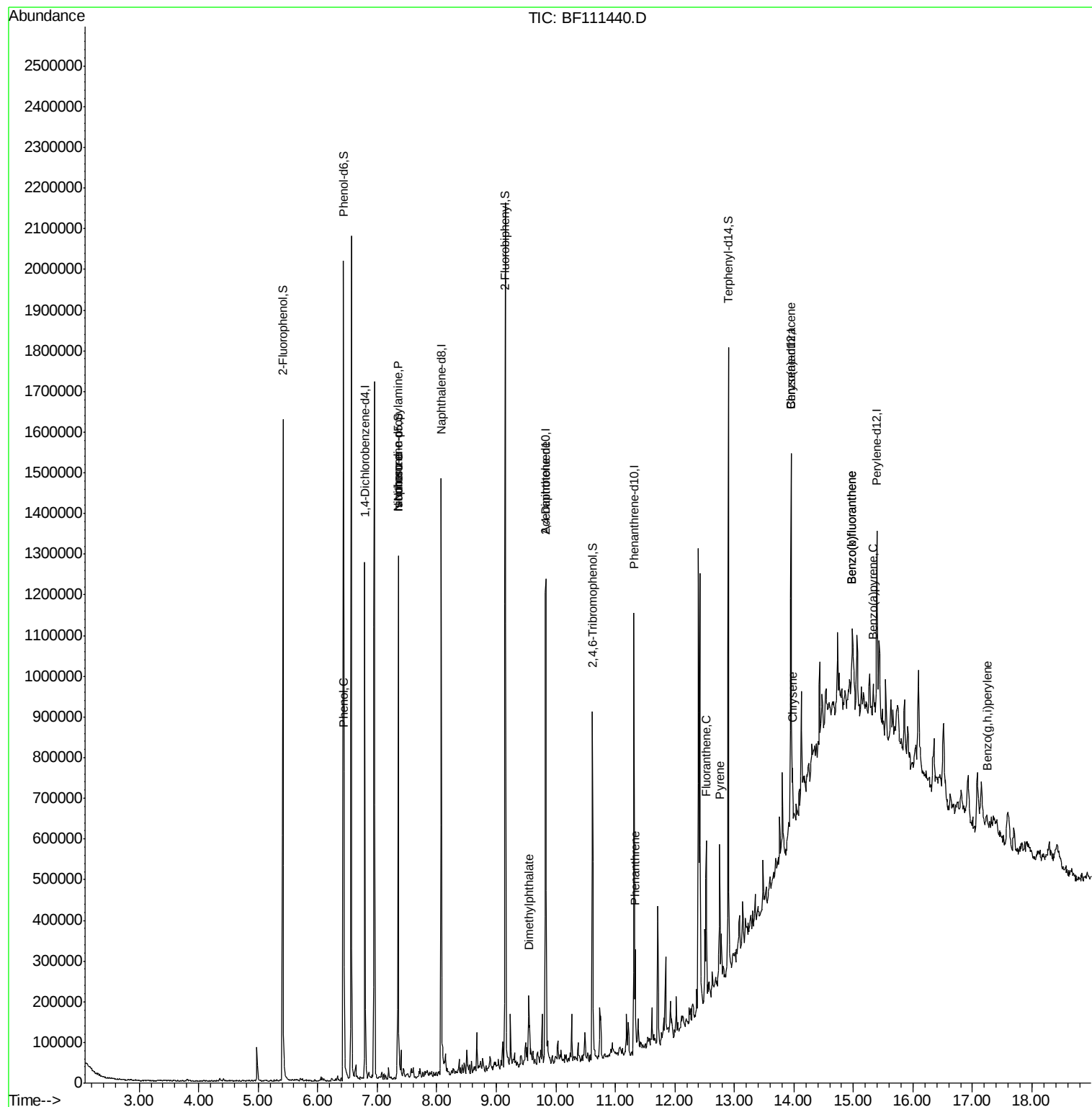
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	40314	2.698	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	44738	5.056	ng	# 80
25) Isophorone	7.35	82	353053	19.384	ng	# 64
50) Dimethylphthalate	9.55	163	51481	2.793	ng	# 96
57) 2,4-Dinitrotoluene	9.83	165	35156	6.455	ng	# 25
71) Phenanthrene	11.34	178	93746	4.649	ng	# 92
75) Fluoranthene	12.53	202	154017	7.807	ng	95
78) Pyrene	12.76	202	150910	7.208	ng	93
81) Benzo(a)anthracene	13.94	228	65335	4.046	ng	96
83) Chrysene	13.98	228	66188	3.891	ng	94
88) Benzo(b)fluoranthene	14.98	252	82039	6.865	ng	# 75
89) Benzo(k)fluoranthene	14.98	252	82039	7.184	ng	# 74
90) Benzo(a)pyrene	15.33	252	39606	3.675	ng	# 76
92) Benzo(g,h,i)perylene	17.24	276	22356	2.679	ng	# 90

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

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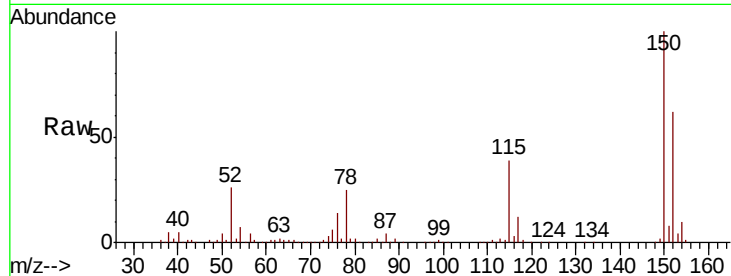


#1

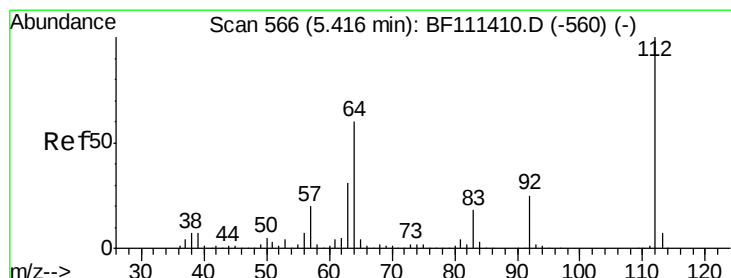
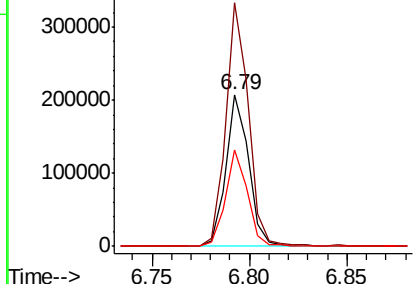
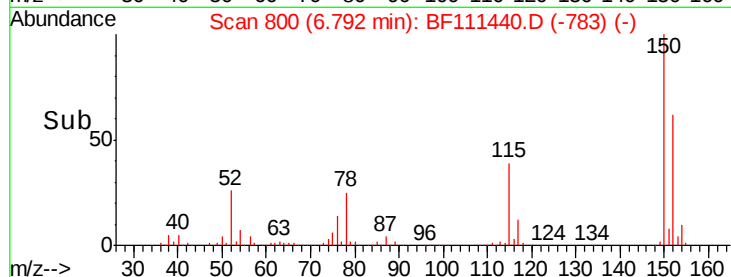
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

Tgt Ion:152 Resp: 167787
Ion Ratio Lower Upper
152 100
150 160.7 126.6 189.8
115 63.2 50.7 76.1



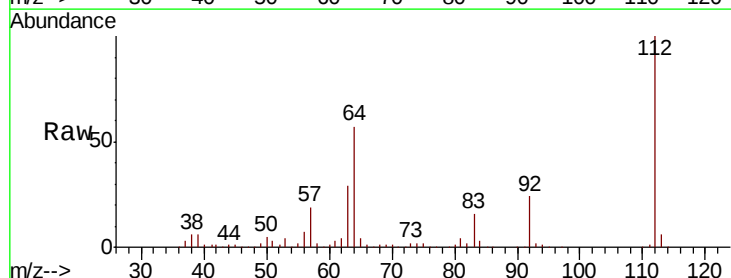
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



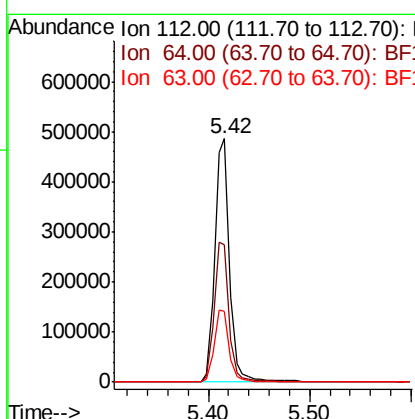
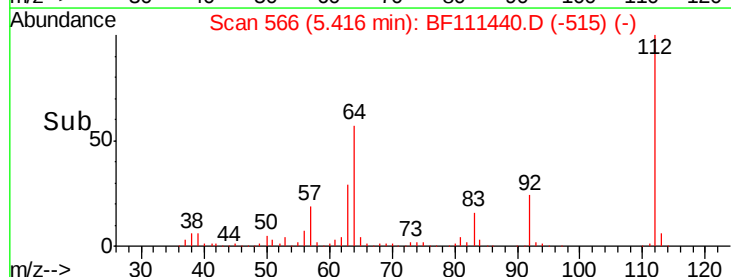
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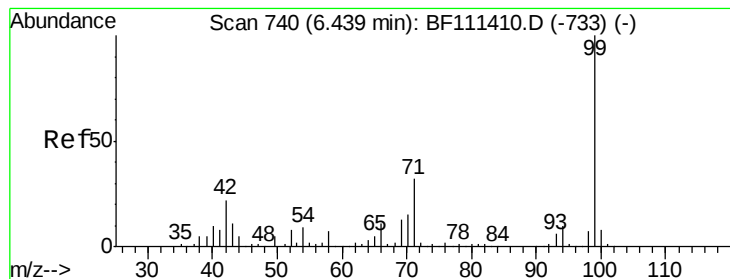
2-Fluorophenol
Concen: 48.875 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Tgt Ion:112 Resp: 492802
Ion Ratio Lower Upper
112 100
64 56.6 51.8 77.6
63 29.3 26.8 40.2



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: 46.294 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

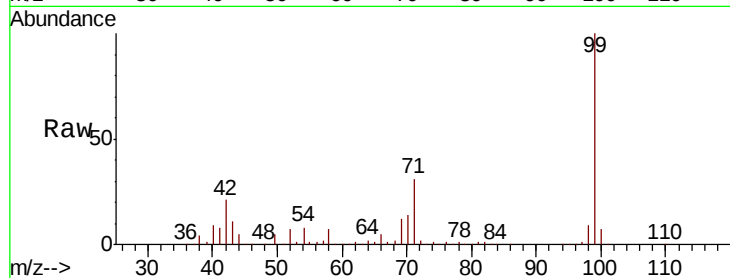
Tgt Ion: 99 Resp: 620904

Ion Ratio Lower Upper

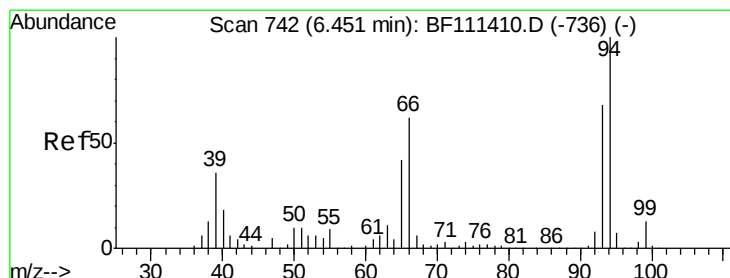
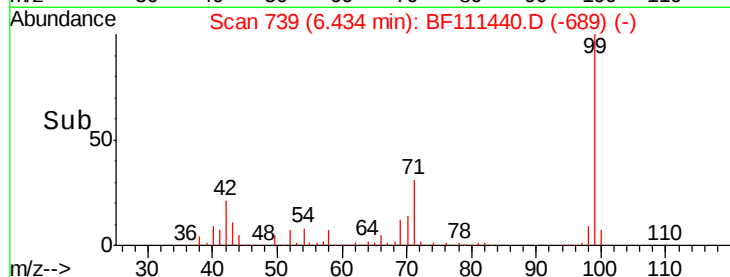
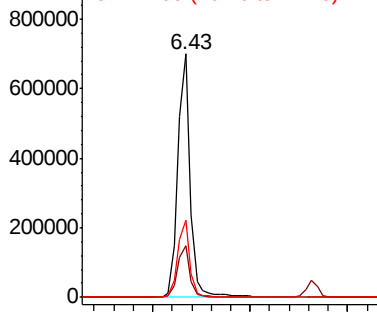
99 100

42 21.4 17.4 26.0

71 31.5 26.1 39.1



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



#10

Phenol

Concen: 2.698 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

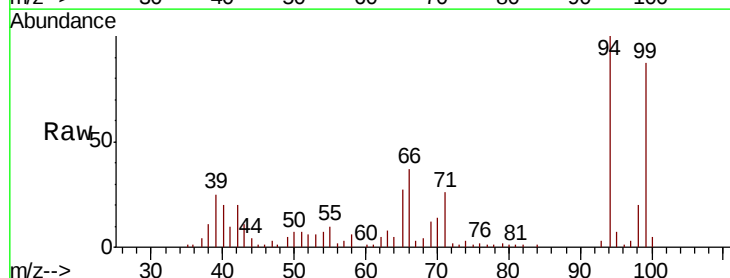
Tgt Ion: 94 Resp: 40314

Ion Ratio Lower Upper

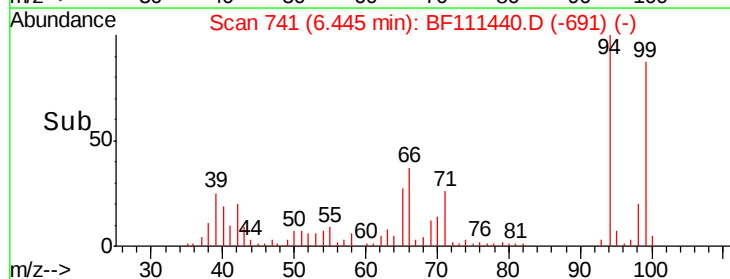
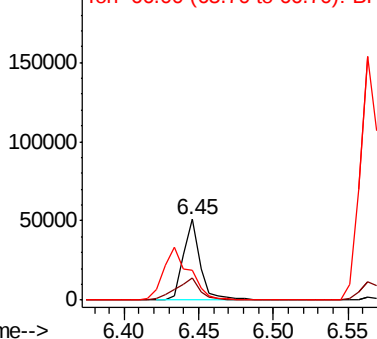
94 100

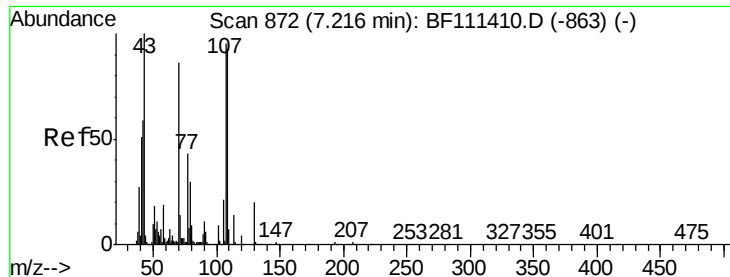
65 26.7 11.7 51.7

66 37.1 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

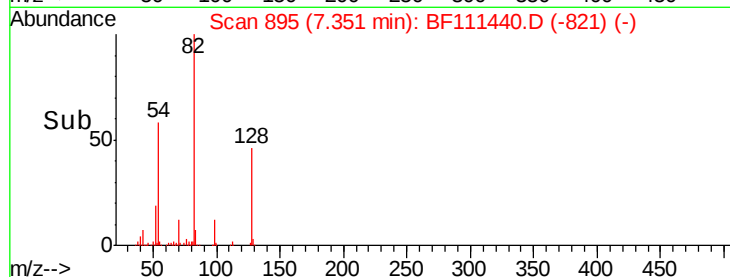
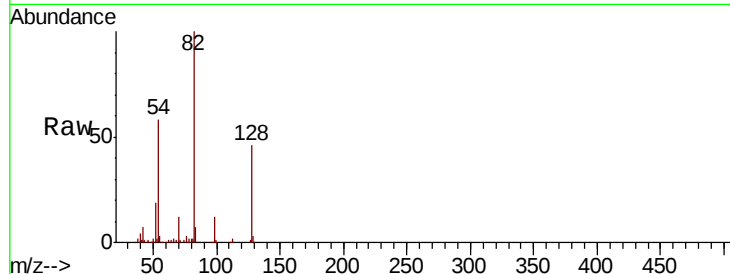
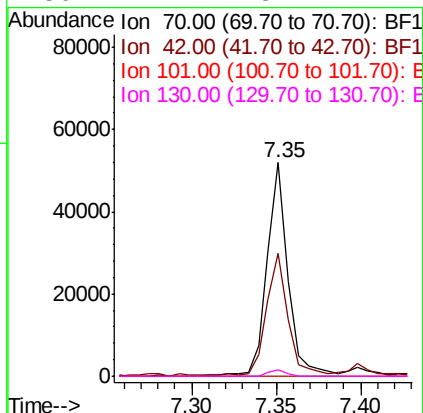




#19
n-Nitroso-di-n-propylamine
Concen: 5.056 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

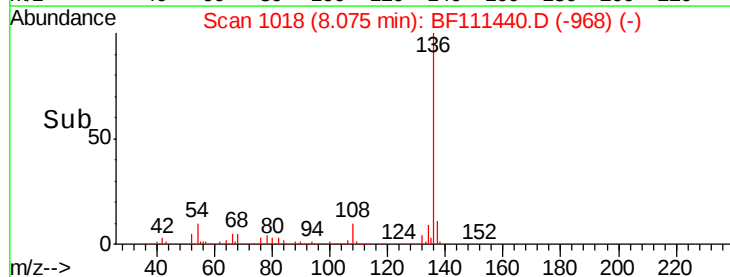
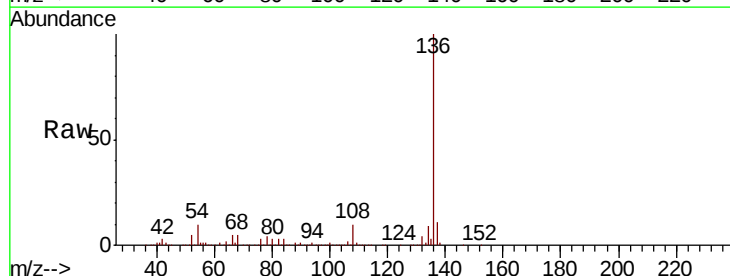
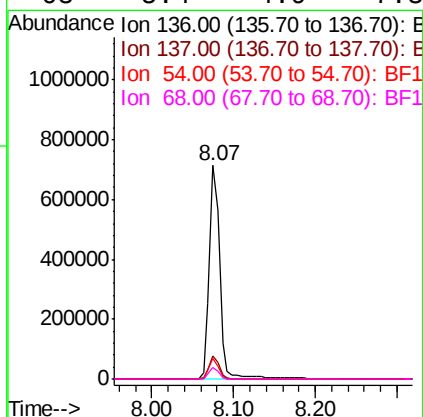
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

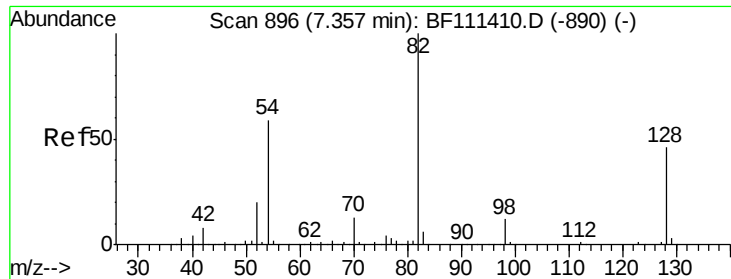
Tgt Ion	Ratio	Lower	Upper
70	100		
42	57.6	53.2	79.8
101	0.0	8.2	12.4#
130	2.7	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.6	7.7	11.5
68	5.4	4.9	7.3

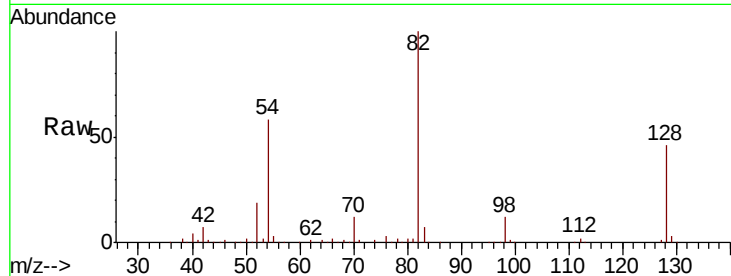




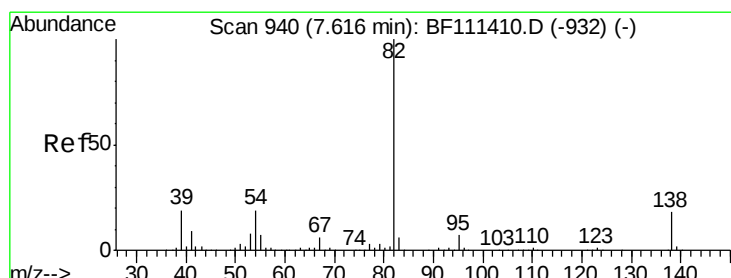
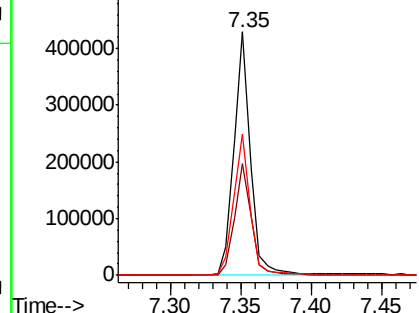
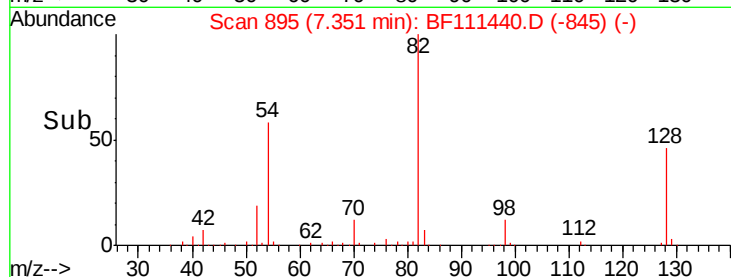
#23
Nitrobenzene-d5
Concen: 32.799 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

Tgt Ion: 82 Resp: 353057
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.2
54 57.8 47.6 71.4

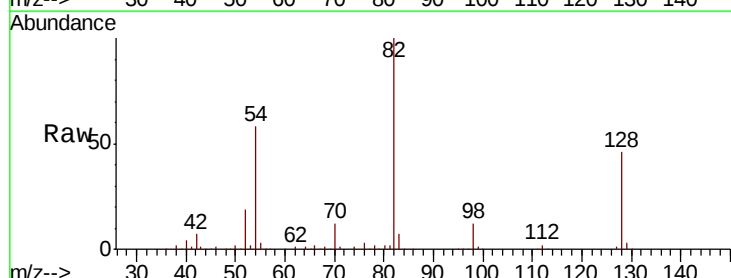


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

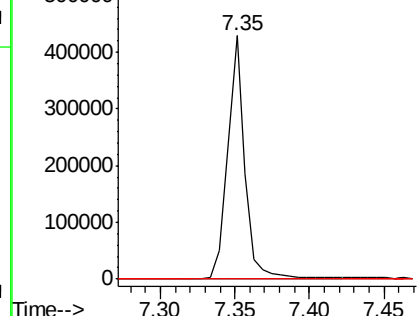
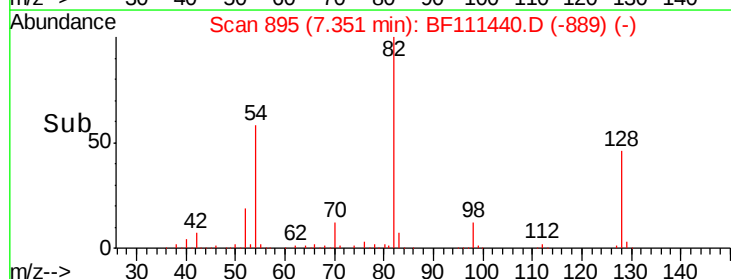


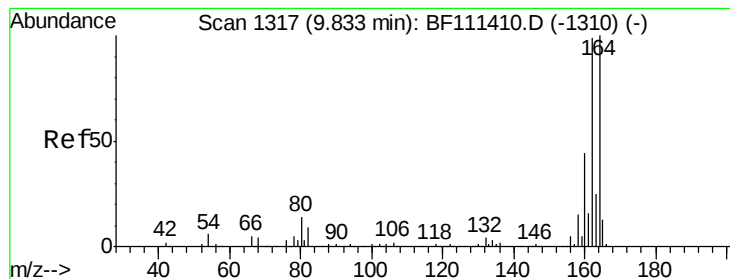
#25
Isophorone
Concen: 19.384 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Tgt Ion: 82 Resp: 353053
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

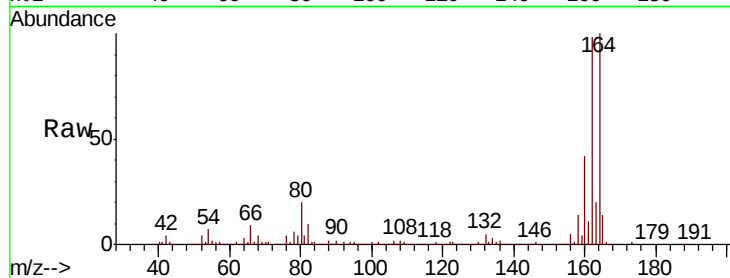
Tgt Ion:164 Resp: 255973

Ion Ratio Lower Upper

164 100

162 97.8 81.4 122.0

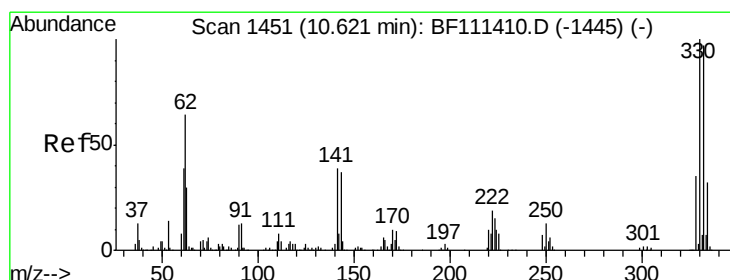
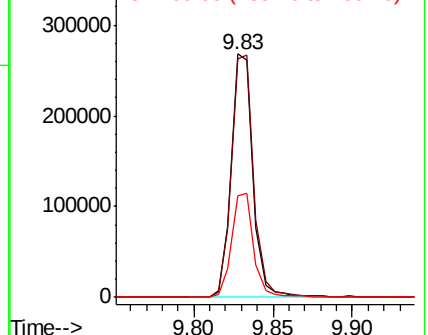
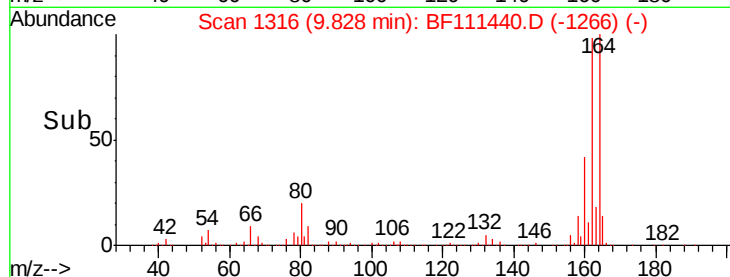
160 41.7 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 38.812 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

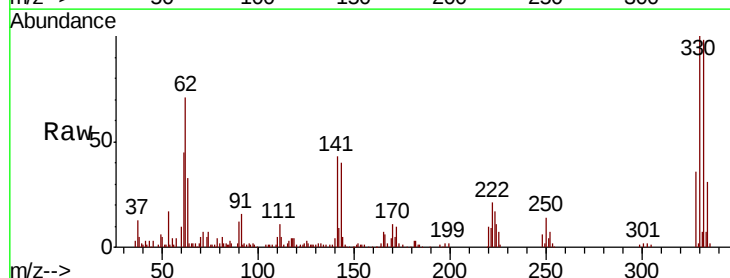
Tgt Ion:330 Resp: 88995

Ion Ratio Lower Upper

330 100

332 95.1 76.0 114.0

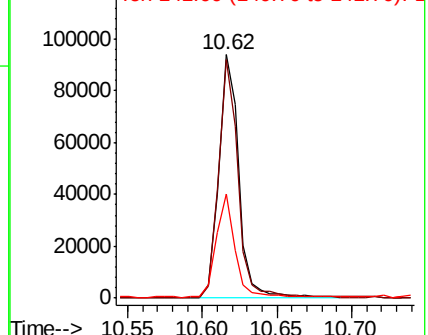
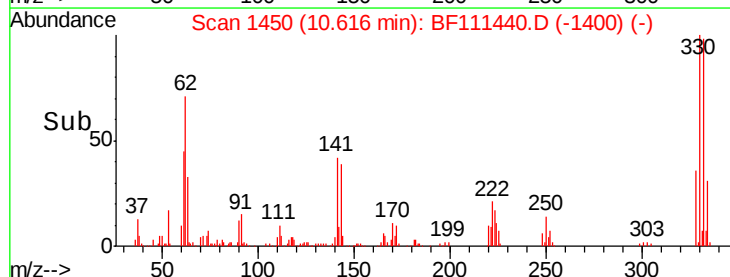
141 39.6 31.0 46.6

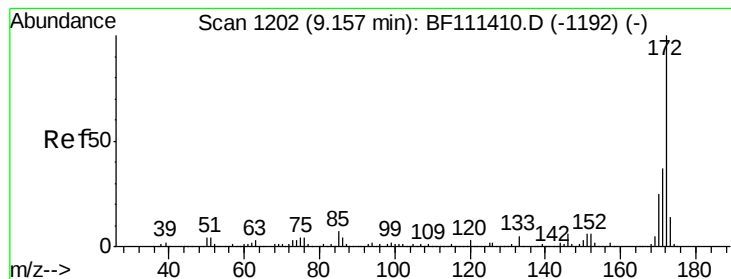


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 37.637 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

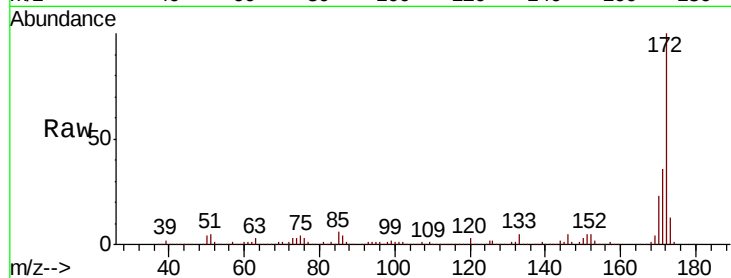
Tgt Ion:172 Resp: 623710

Ion Ratio Lower Upper

172 100

171 35.5 33.0 49.4

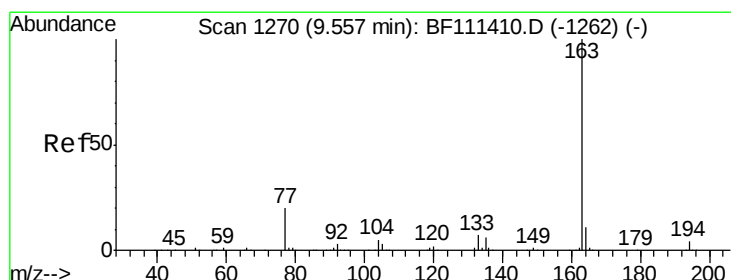
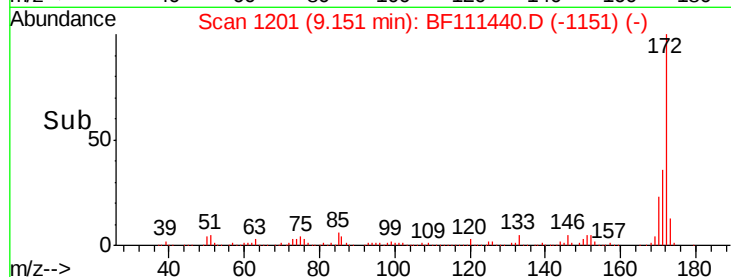
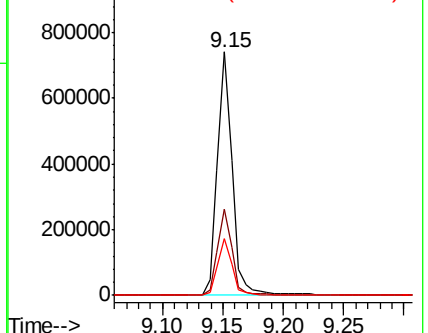
170 23.3 22.3 33.5



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: 2.793 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

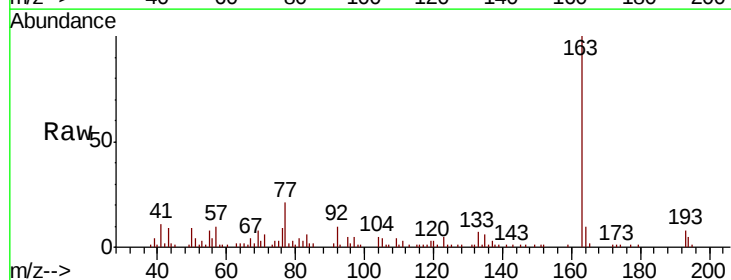
Tgt Ion:163 Resp: 51481

Ion Ratio Lower Upper

163 100

194 4.8 3.0 4.6#

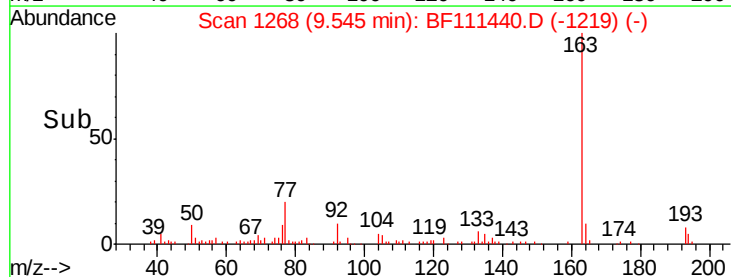
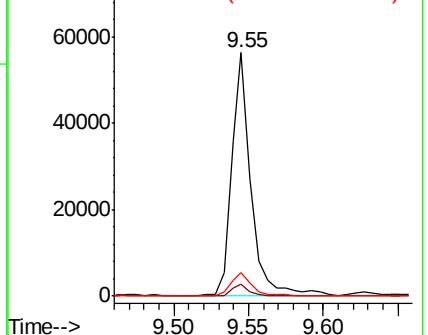
164 9.5 8.9 13.3

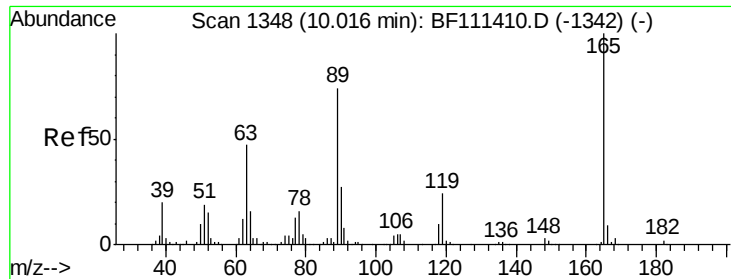


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

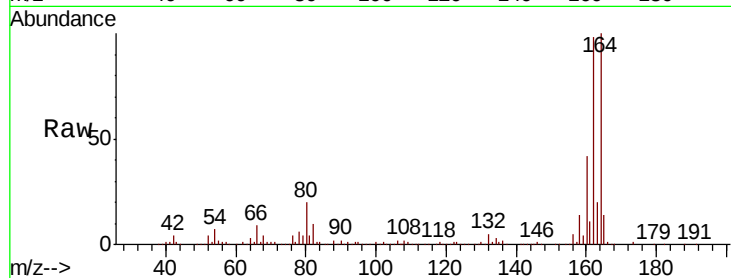




#57
2,4-Dinitrotoluene
Concen: 6.455 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.8	56.2	84.4#
182	0.9	1.8	2.6#

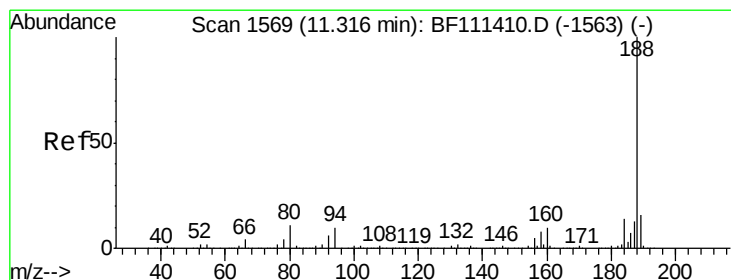
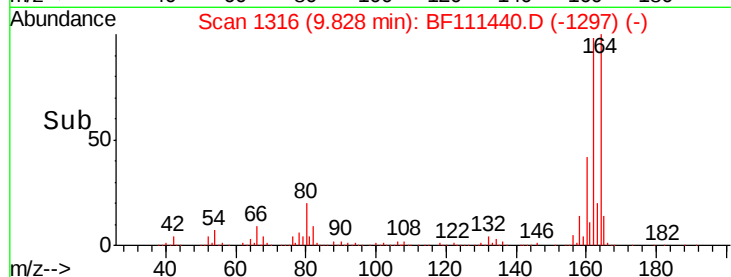
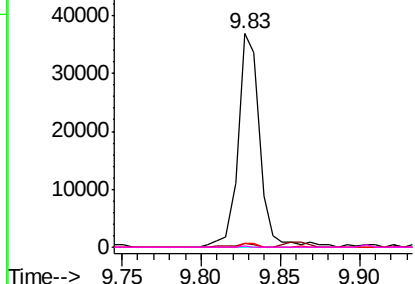


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

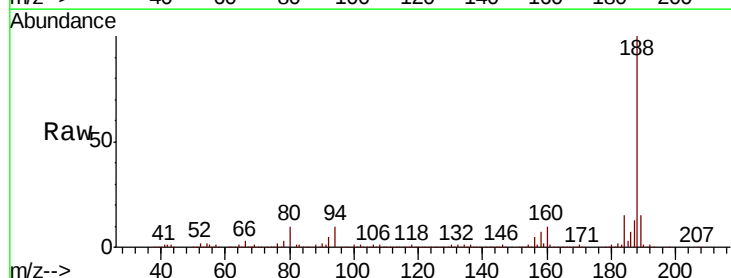
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

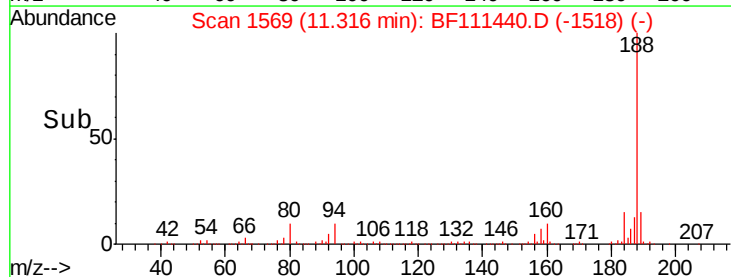
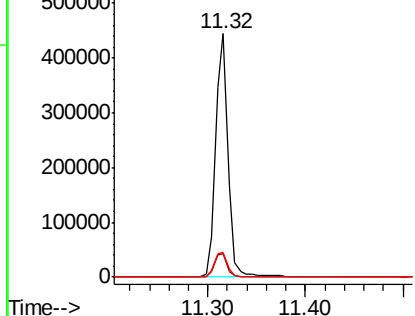
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.6	14.4
80	10.0	9.8	14.6

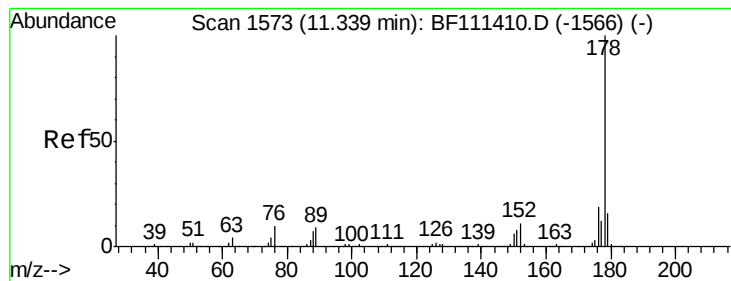


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.649 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

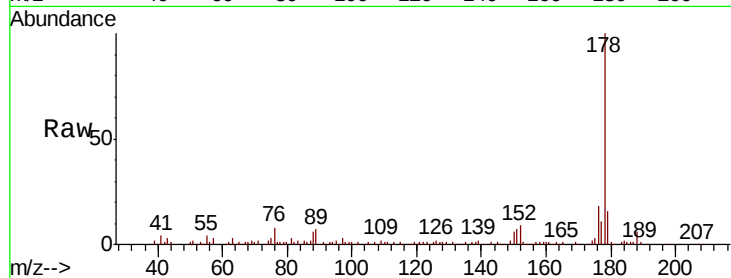
Tgt Ion:178 Resp: 93746

Ion Ratio Lower Upper

178 100

176 17.8 18.1 27.1#

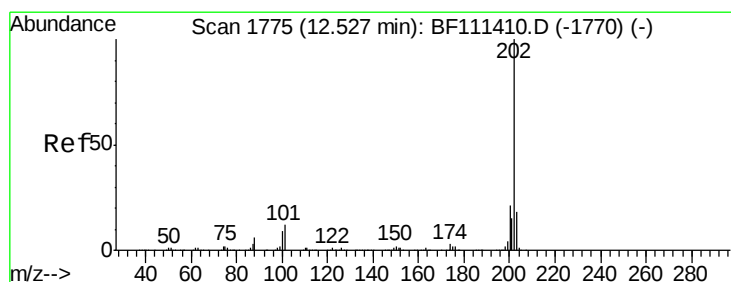
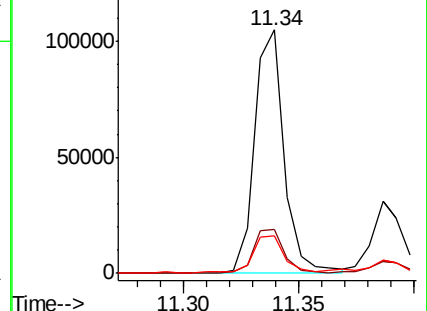
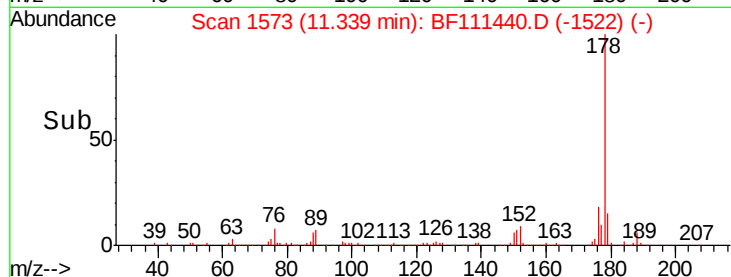
179 15.6 14.0 21.0



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: 7.807 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

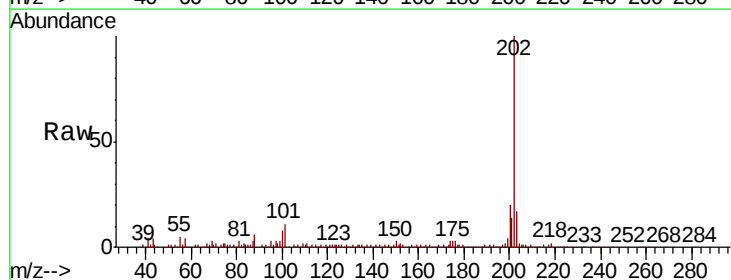
Tgt Ion:202 Resp: 154017

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.8

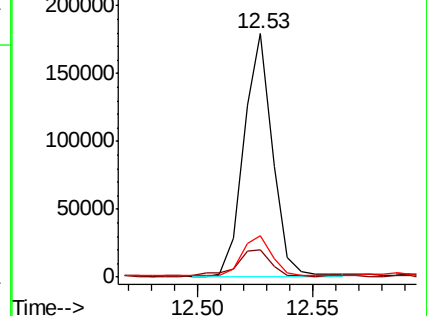
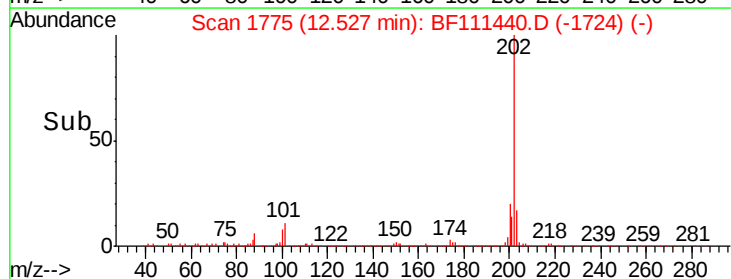
203 17.1 0.0 38.6

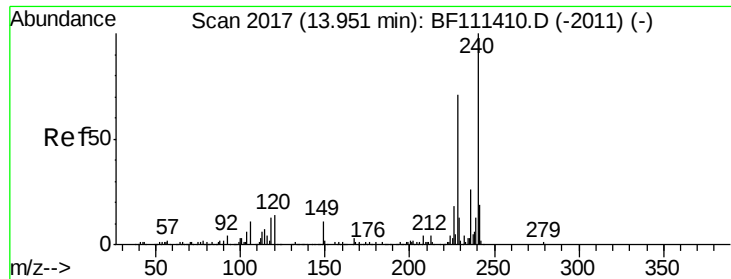


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

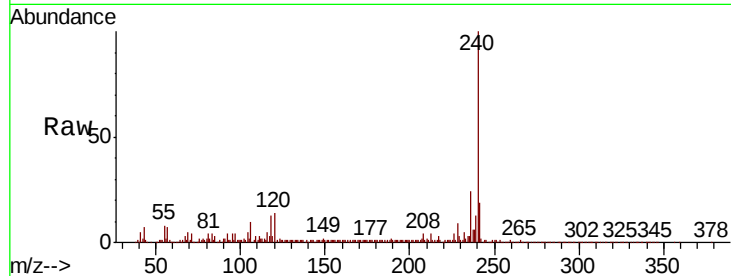




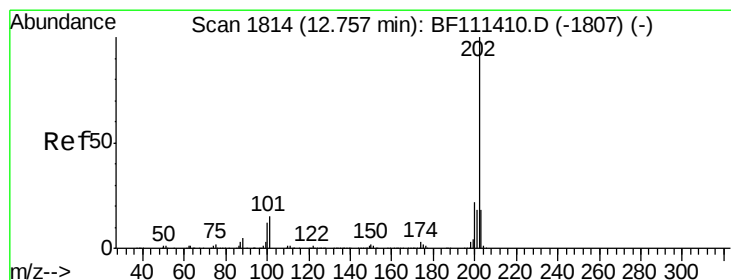
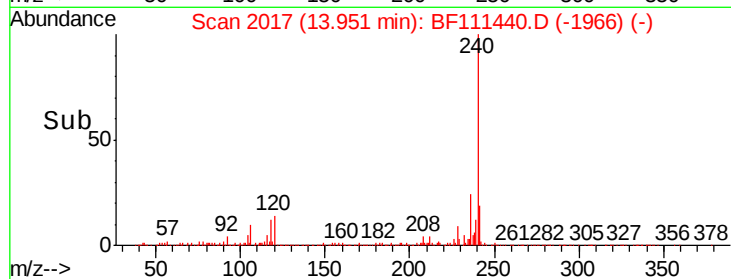
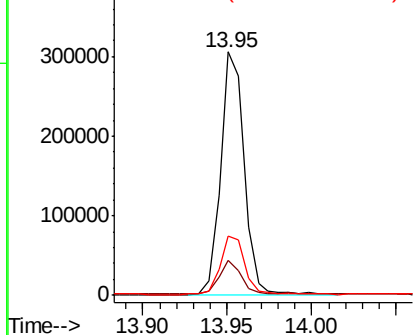
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

Tgt Ion:240 Resp: 296970
Ion Ratio Lower Upper
240 100
120 14.5 12.2 18.2
236 24.5 20.2 30.2

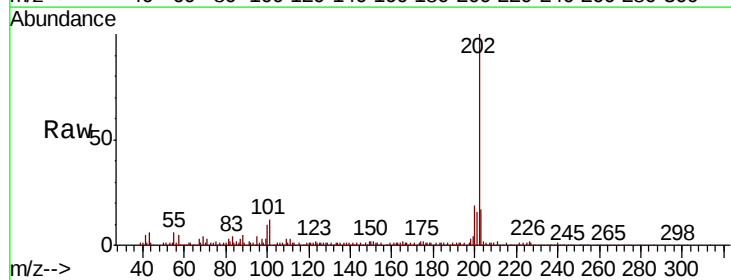


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

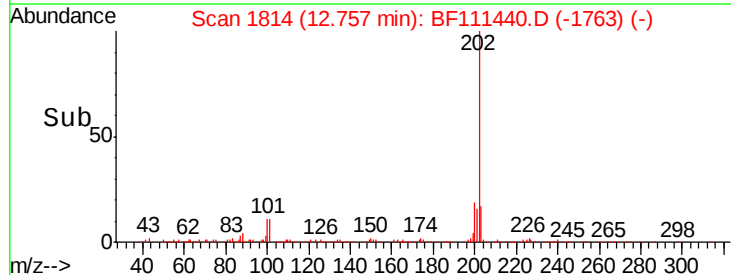
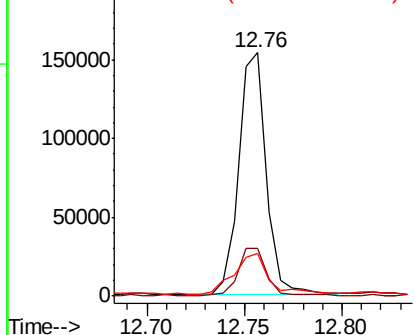


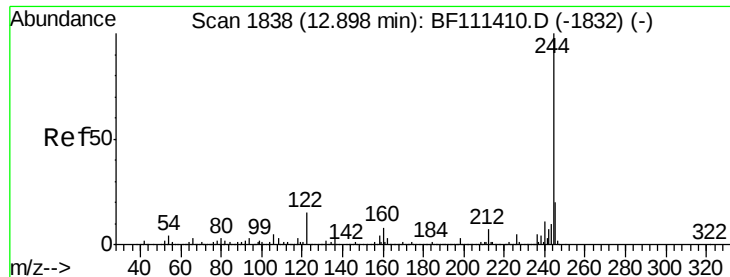
#78
Pyrene
Concen: 7.208 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Tgt Ion:202 Resp: 150910
Ion Ratio Lower Upper
202 100
200 19.4 19.0 28.4
203 17.3 15.2 22.8



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: 37.752 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

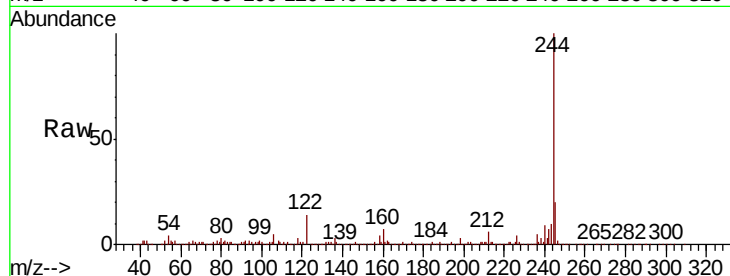
Tgt Ion:244 Resp: 477434

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

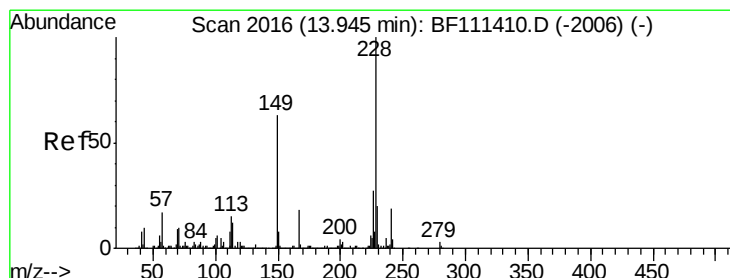
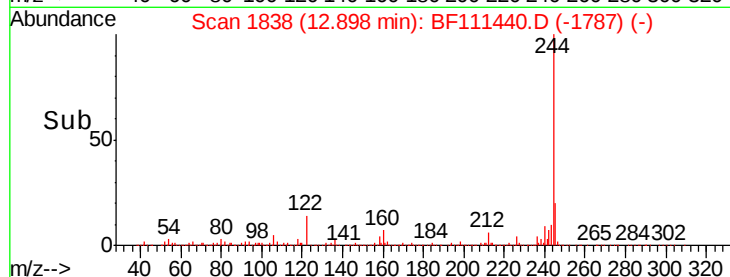
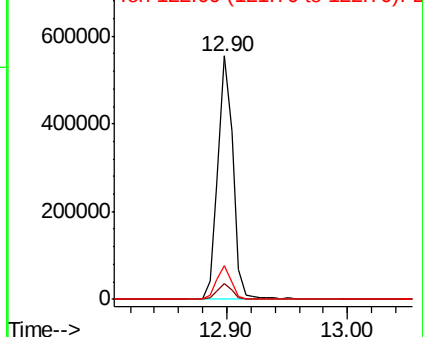
122 13.9 13.1 19.7



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



#81

Benzo(a)anthracene

Concen: 4.046 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

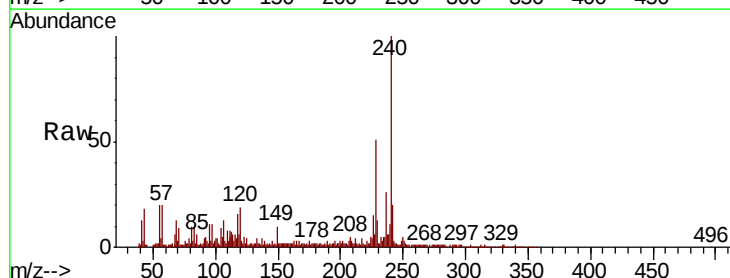
Tgt Ion:228 Resp: 65335

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

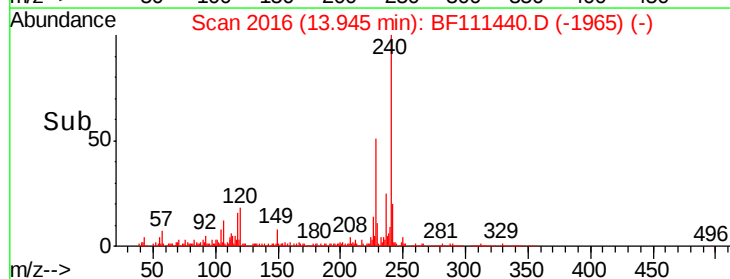
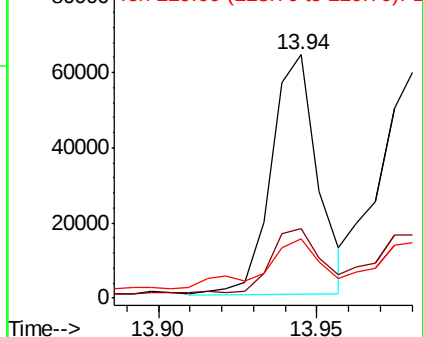
229 24.4 16.3 24.5

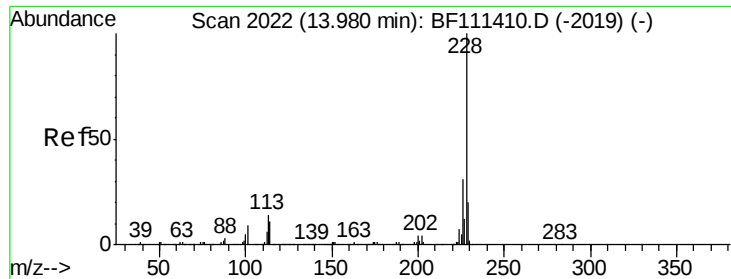


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

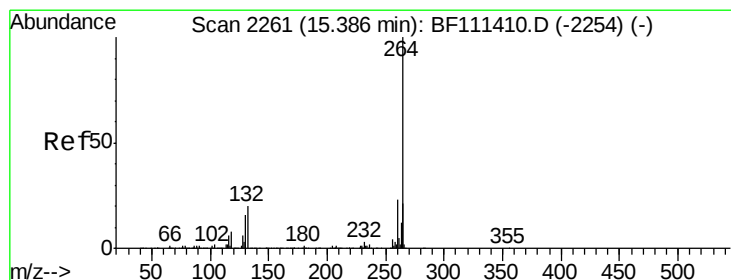
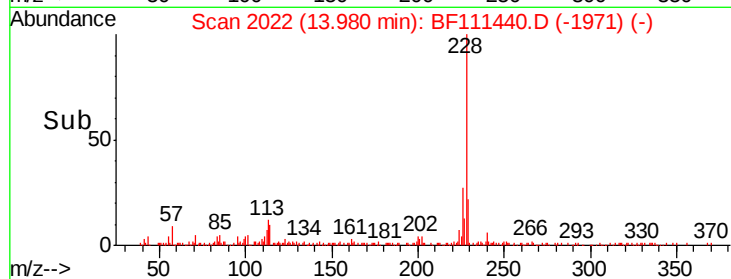
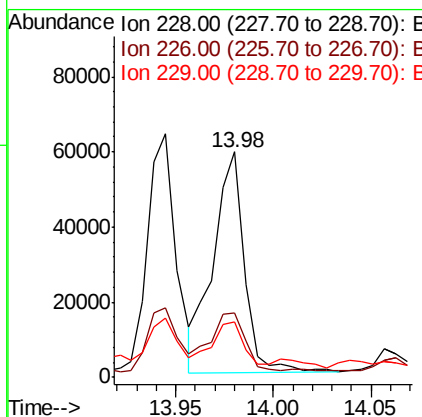
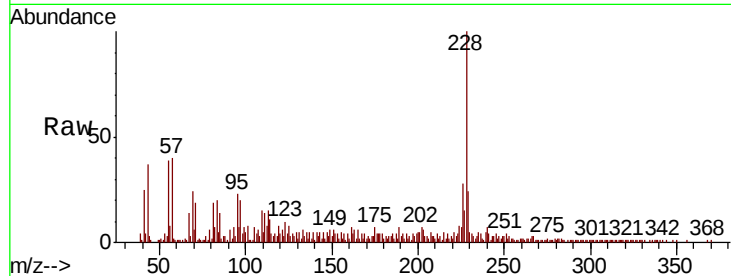




#83
Chrysene
Concen: 3.891 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

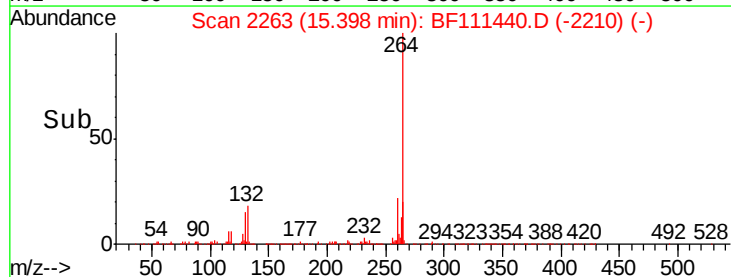
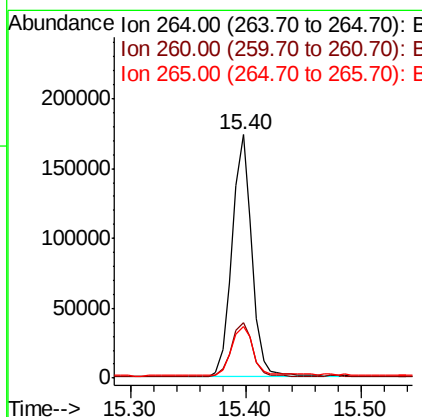
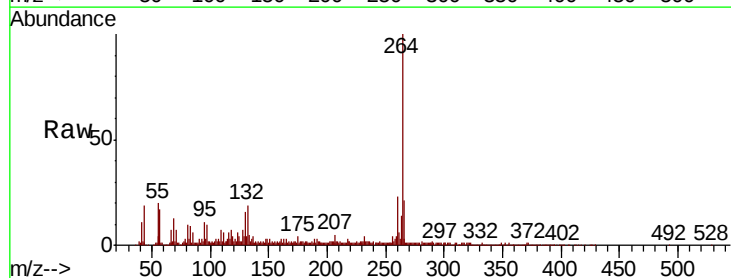
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-B

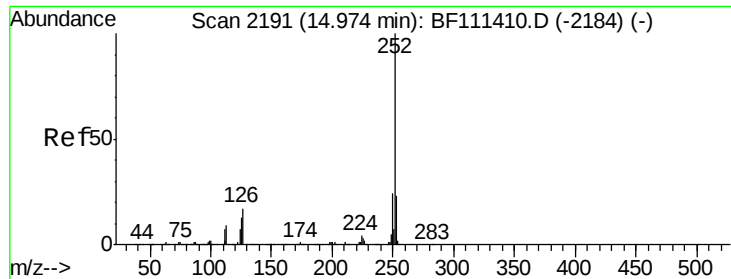
Tgt Ion: 228 Resp: 66188
Ion Ratio Lower Upper
228 100
226 28.3 25.3 37.9
229 24.4 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111440.D
Acq: 15 Dec 2018 1:07

Tgt Ion: 264 Resp: 204981
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.3 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 6.865 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

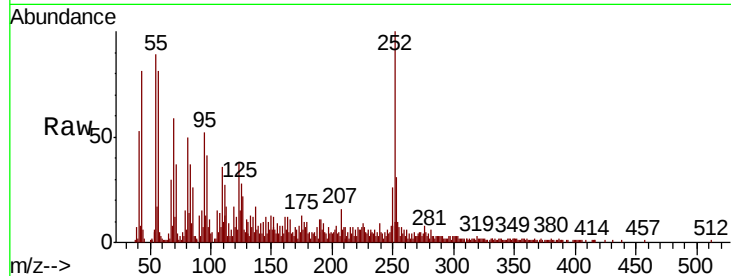
Tgt Ion:252 Resp: 82039

Ion Ratio Lower Upper

252 100

253 31.3 18.2 27.2#

125 28.5 10.4 15.6#

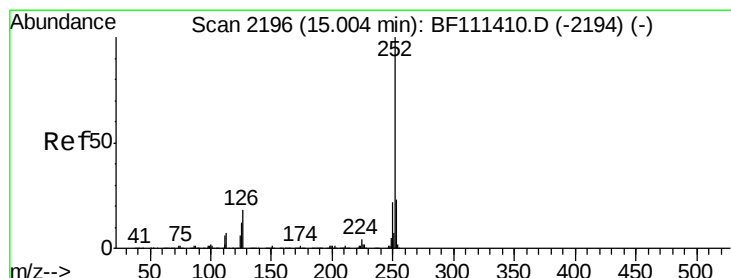
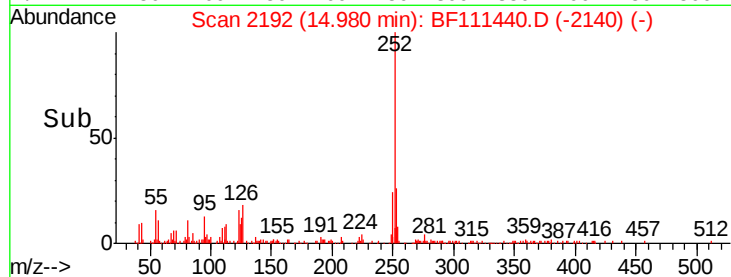
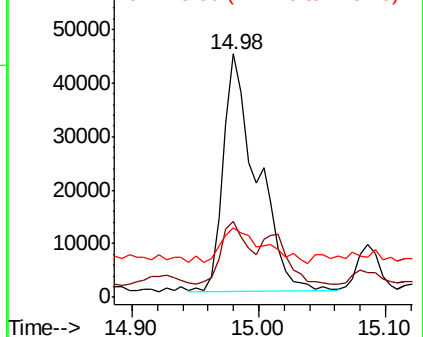


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 7.184 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

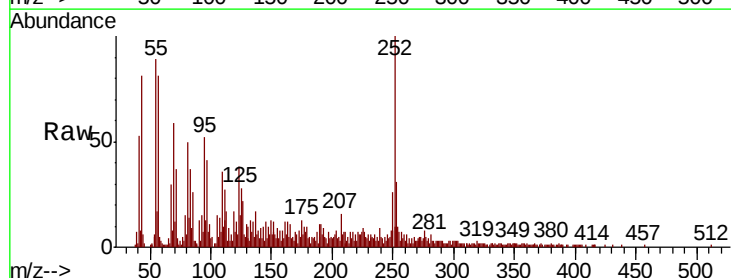
Tgt Ion:252 Resp: 82039

Ion Ratio Lower Upper

252 100

253 31.3 18.1 27.1#

125 28.5 9.8 14.8#

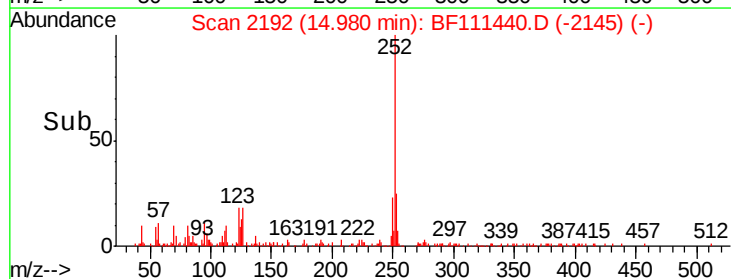
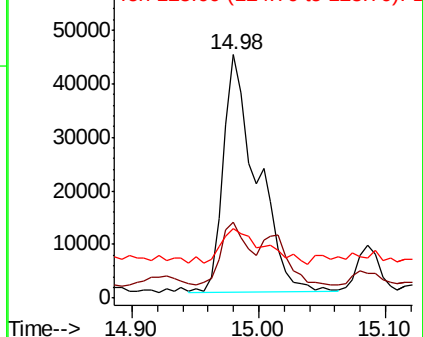


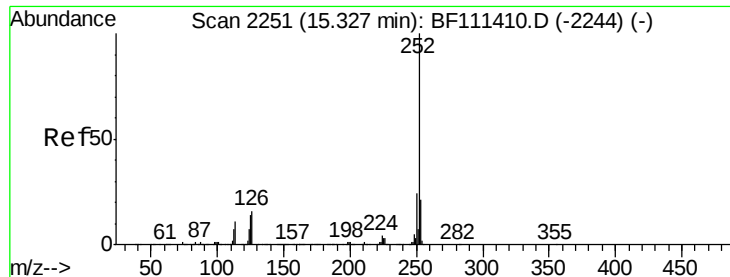
Abundance

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: 3.675 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-B

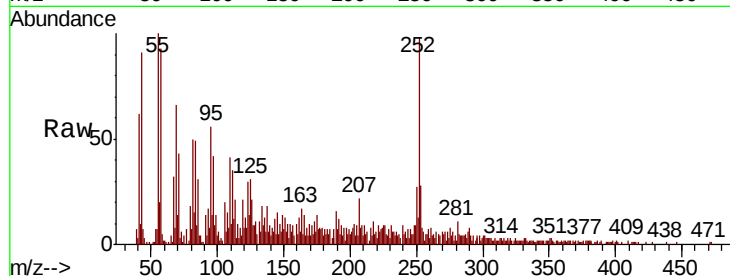
Tgt Ion: 252 Resp: 39606

Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.8#

125 31.6 12.3 18.5#

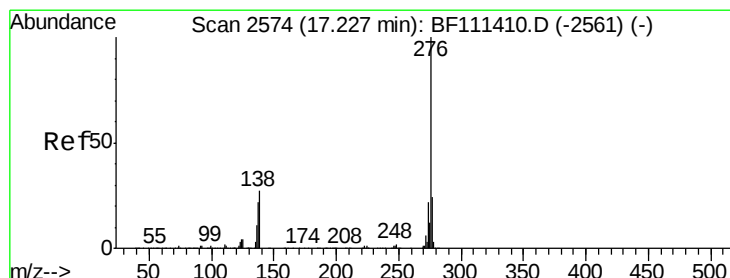
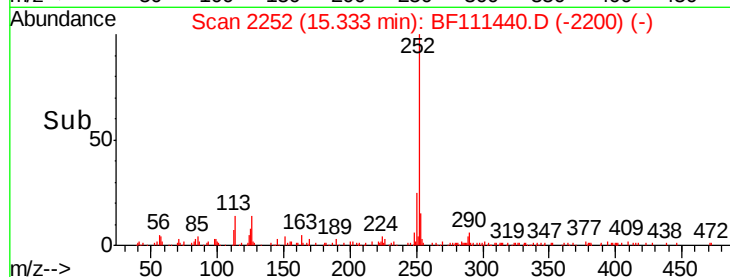
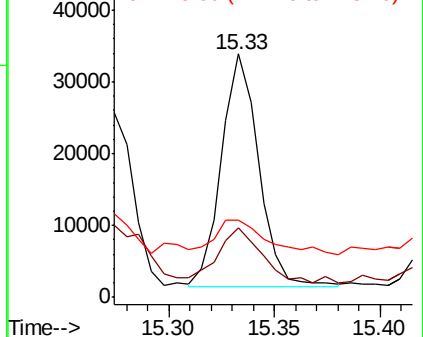


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 2.679 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BF111440.D

Acq: 15 Dec 2018 1:07

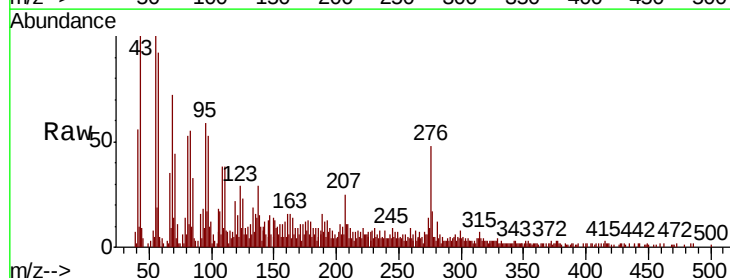
Tgt Ion: 276 Resp: 22356

Ion Ratio Lower Upper

276 100

277 35.0 19.2 28.8#

138 31.5 24.9 37.3



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

