

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098045.D
 Acq On : 25 Aug 2017 22:11
 Operator : SJ/JU
 Sample : I4956-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Quant Time: Aug 25 23:23:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

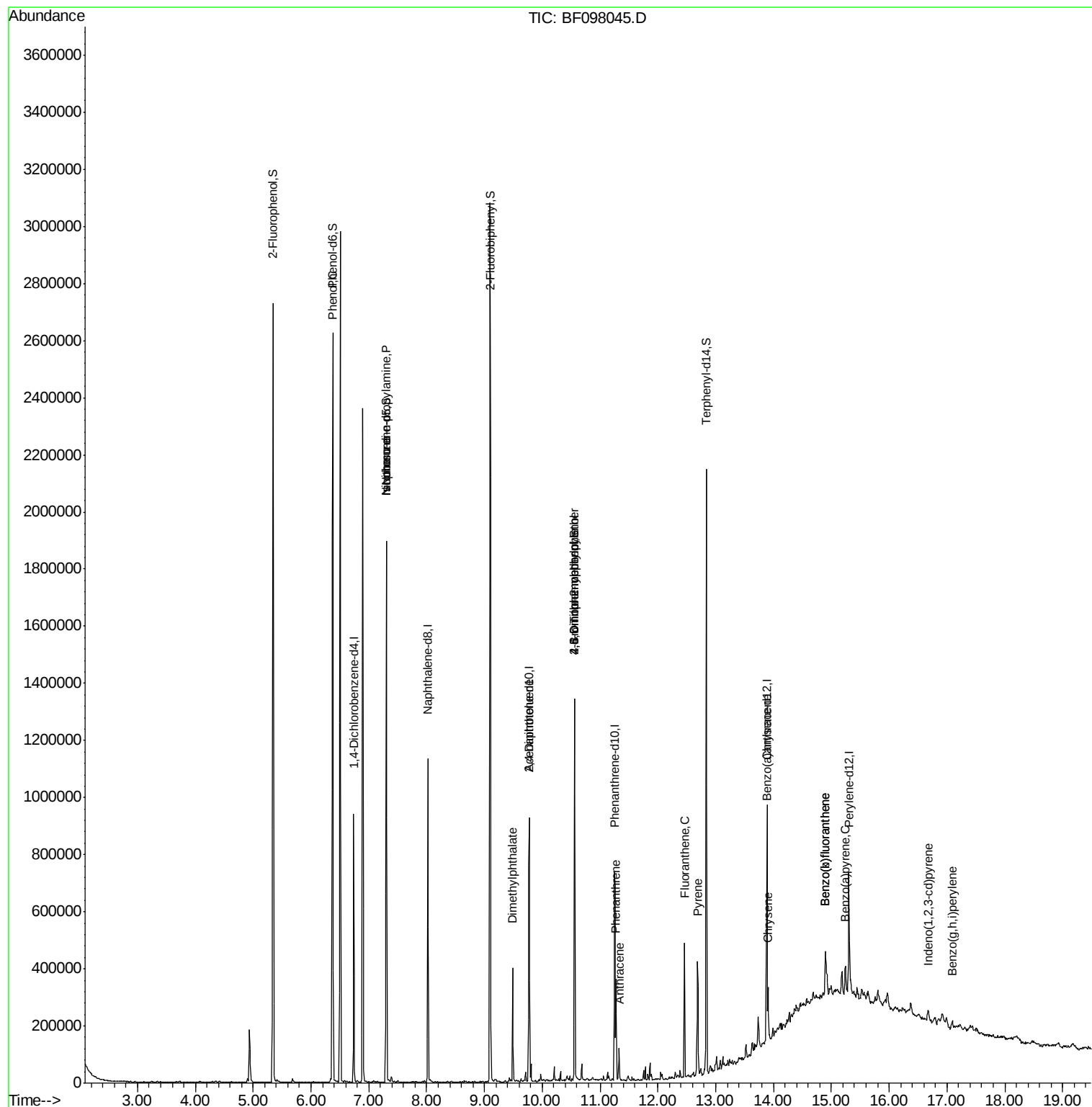
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	117082	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	441322	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	169970	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	259794	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	247632	20.00	ng	-0.01
86) Perylene-d12	15.30	264	192836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	857197	111.36	ng	0.00
7) Phenol-d6	6.37	99	1158312	110.75	ng	-0.01
23) Nitrobenzene-d5	7.30	82	681811	83.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	142988	96.96	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	938025	81.08	ng	-0.01
78) Terphenyl-d14	12.84	244	605513	50.99	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.39	94	36761	3.01	ng	96
19) n-Nitroso-di-n-propylamine	7.30	70	90869	12.69	ng	# 70
25) Isophorone	7.30	82	673760	39.89	ng	# 67
49) Dimethylphthalate	9.49	163	129898	10.46	ng	98
56) 2,4-Dinitrotoluene	9.77	165	21651	6.96	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	262	8.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	9481	3.51	ng	# 1
70) Phenanthrene	11.27	178	110529	7.98	ng	98
71) Anthracene	11.33	178	35981	2.56	ng	99
74) Fluoranthene	12.46	202	182229	12.61	ng	97
77) Pyrene	12.69	202	153452	7.58	ng	98
80) Benzo(a)anthracene	13.87	228	80539	5.43	ng	96
82) Chrysene	13.91	228	66737	4.52	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	22538	2.08	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	97648	8.03	ng	95
88) Benzo(k)fluoranthene	14.90	252	97648	8.55	ng	95
89) Benzo(a)pyrene	15.24	252	48355	4.49	ng	# 95
91) Benzo(g,h,i)perylene	17.09	276	23233	2.54	ng	94

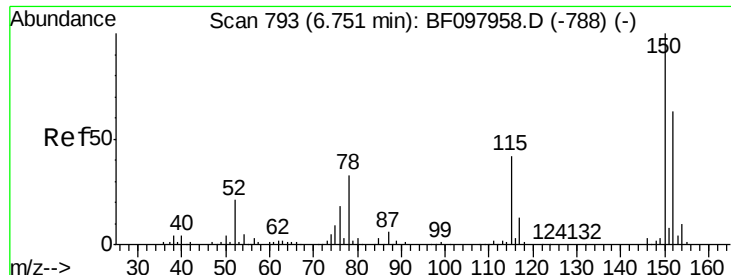
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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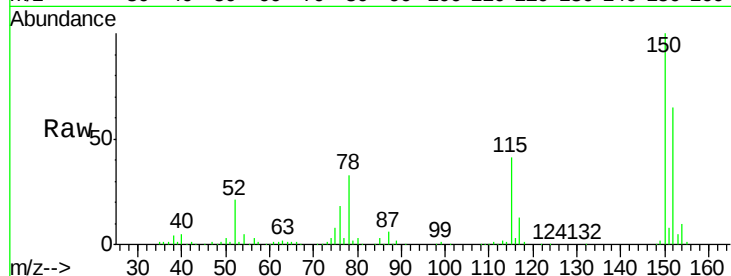


#1

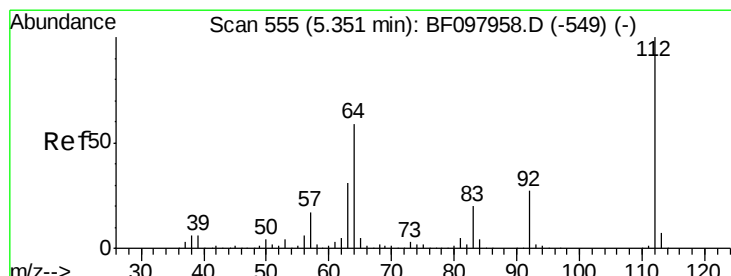
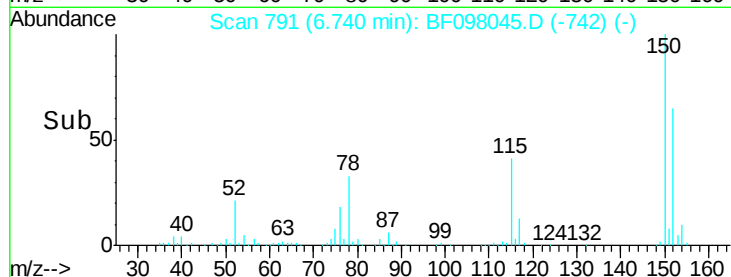
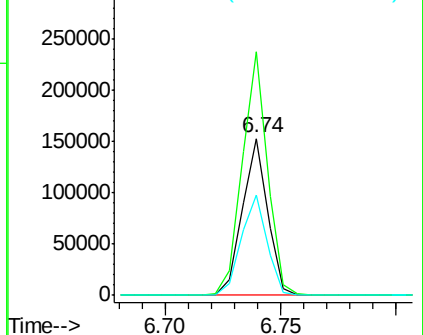
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

Tot Ion:152 Resp: 117082
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 63.9 52.2 78.2



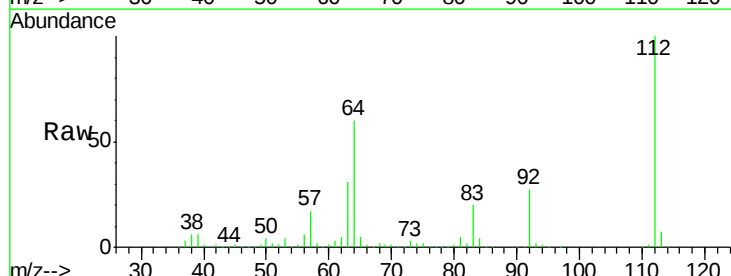
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



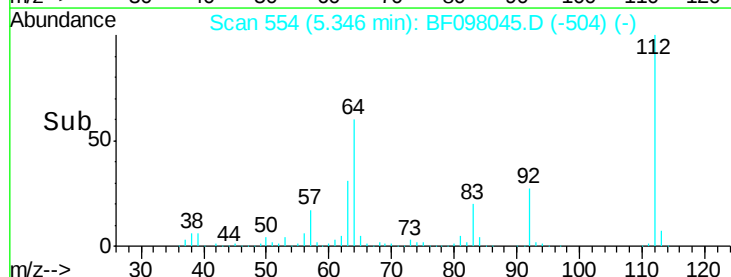
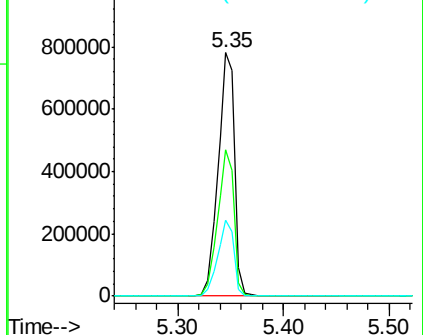
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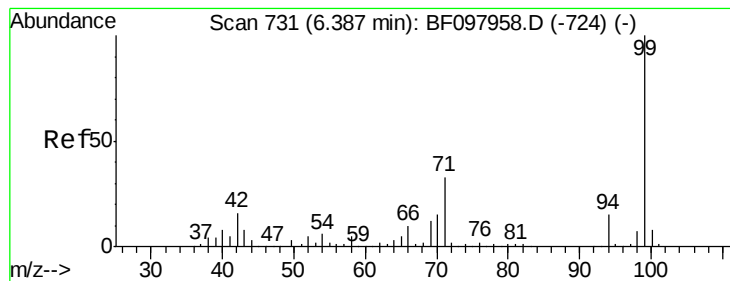
2-Fluorophenol
Concen: 111.36 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion:112 Resp: 857197
Ion Ratio Lower Upper
112 100
64 60.2 46.0 69.0
63 31.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.75 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

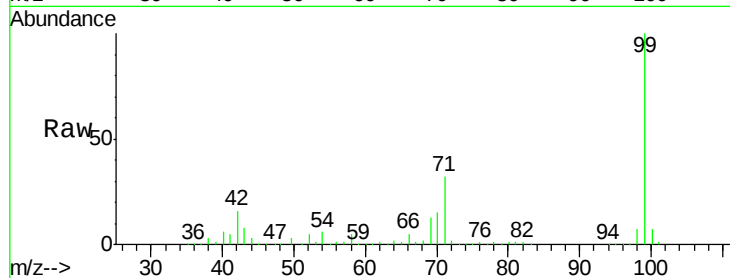
Tot Ion: 99 Resp: 1158312

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

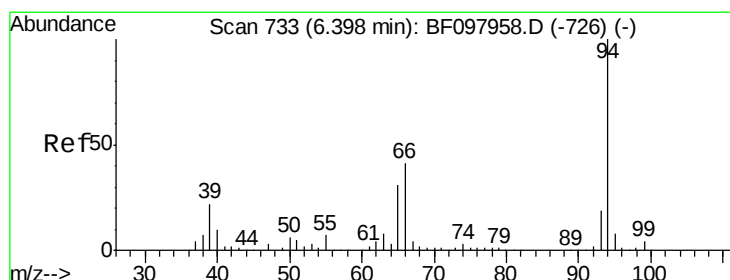
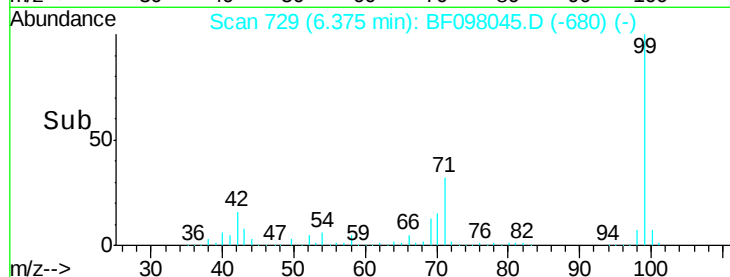
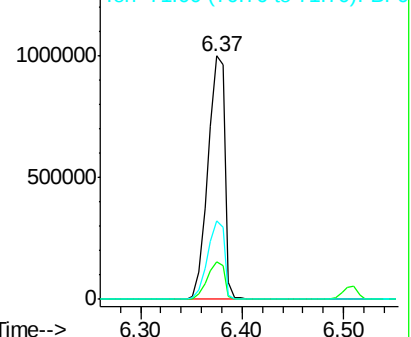
71 32.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.01 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

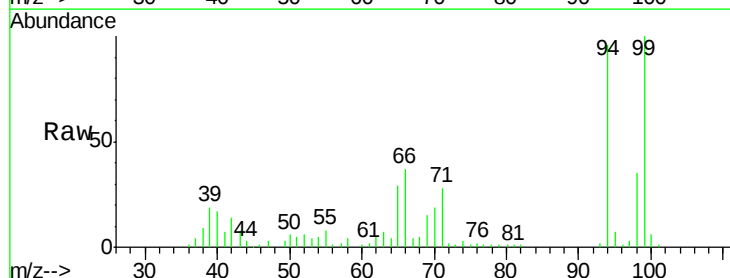
Tgt Ion: 94 Resp: 36761

Ion Ratio Lower Upper

94 100

65 30.3 9.9 49.9

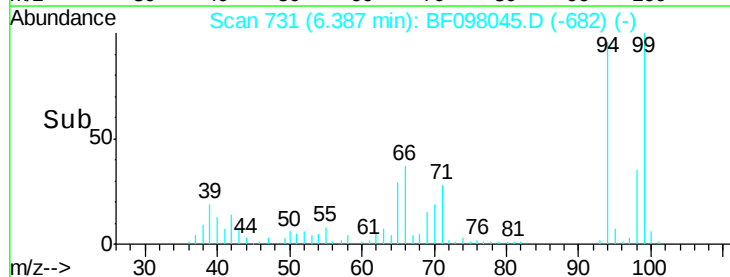
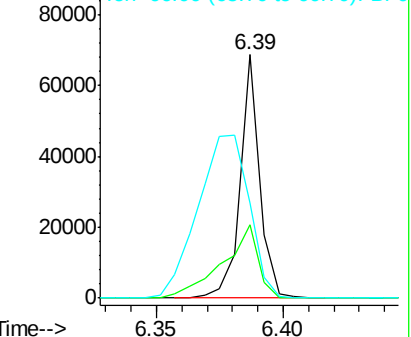
66 39.1 23.1 63.1

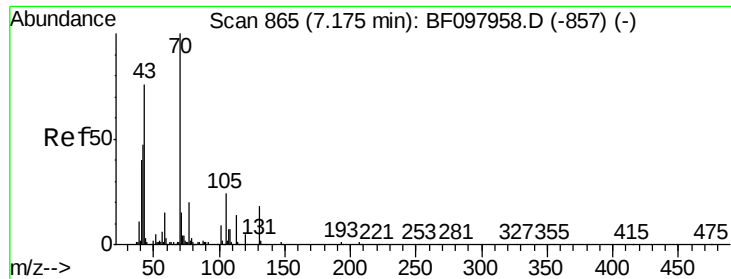


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

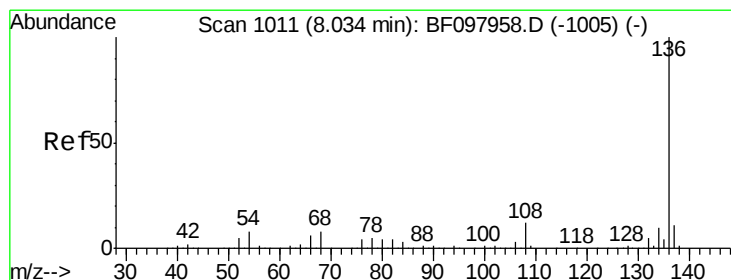
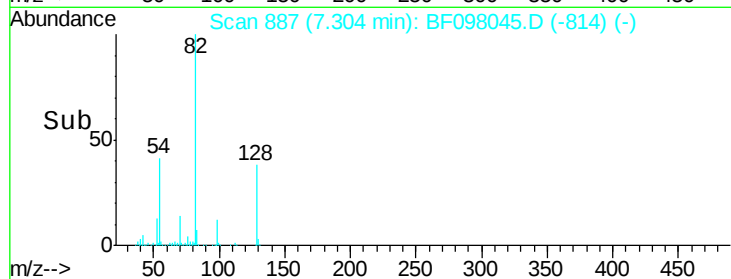
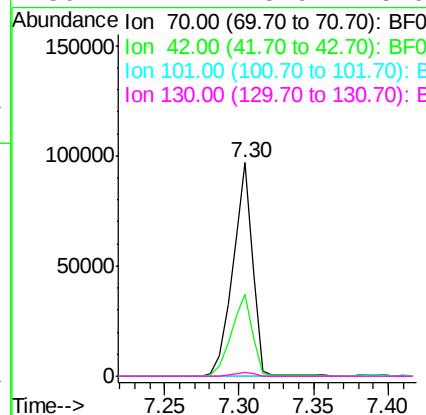
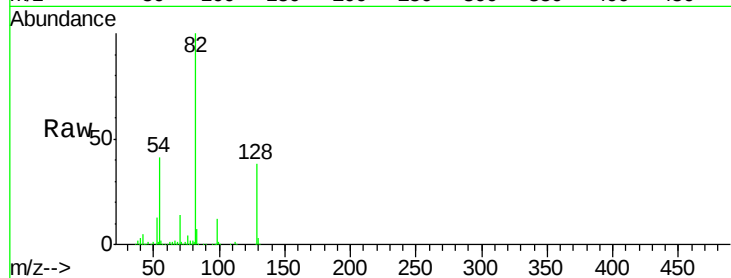




#19
n-Nitroso-di-n-propylamine
Concen: 12.69 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

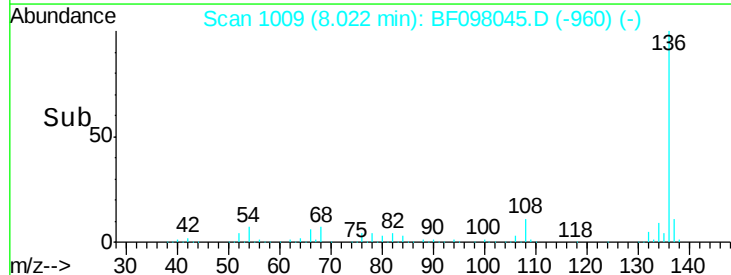
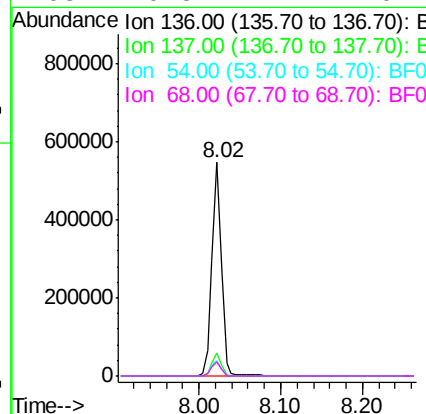
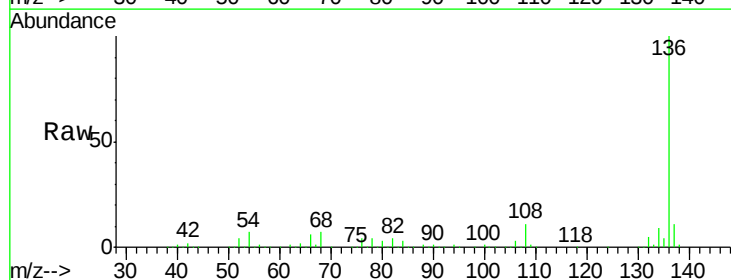
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FK-GF-02-010-B

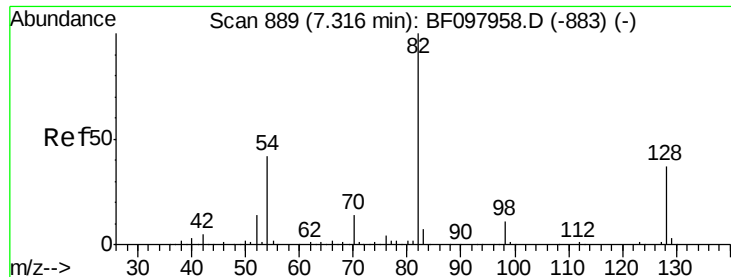
Tot Ion: 70 Resp: 90869
Ion Ratio Lower Upper
70 100
42 38.3 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion: 136 Resp: 441322
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.2 4.9 7.3
68 6.8 4.1 6.1#

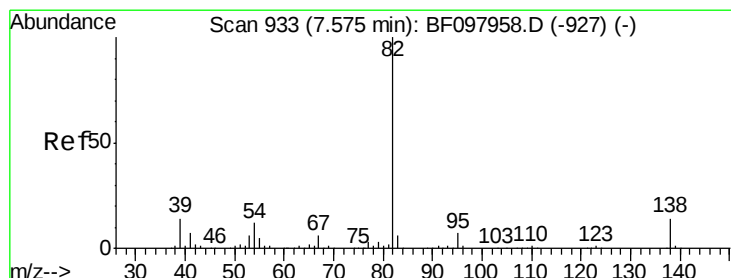
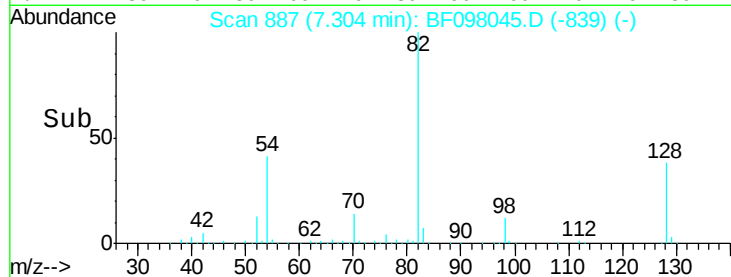
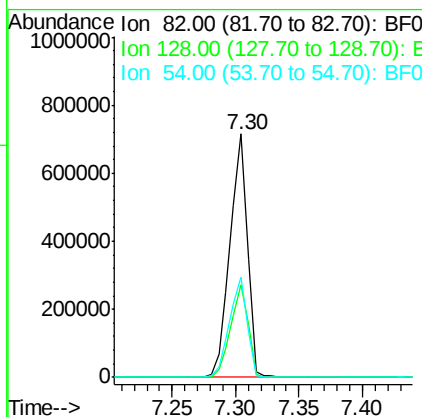
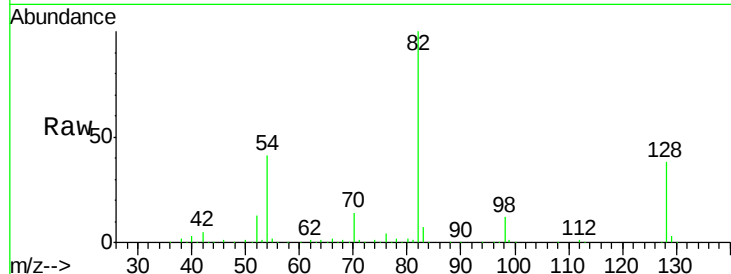




#23
 Nitrobenzene-d5
 Concen: 83.93 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

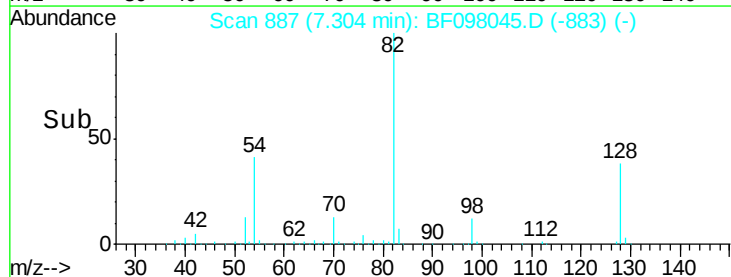
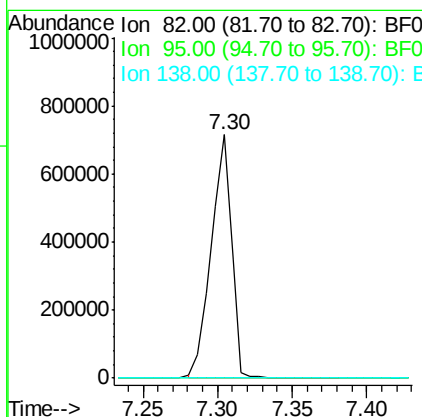
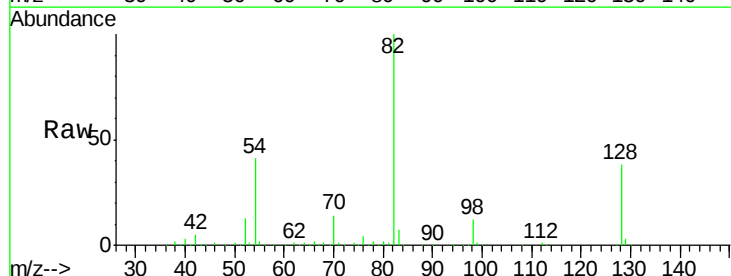
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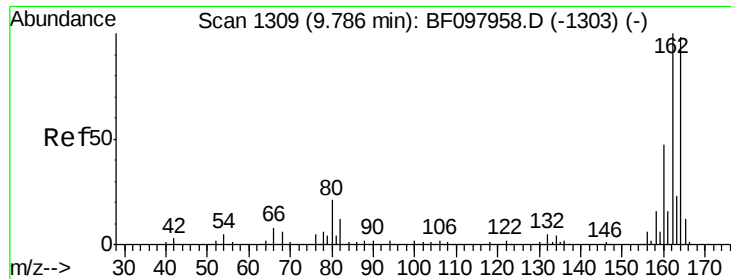
Tot Ion	82	Resp	681811
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.0	51.0
54	41.4	42.2	63.2#



#25
 Isophorone
 Concen: 39.89 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	82	Resp	673760
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

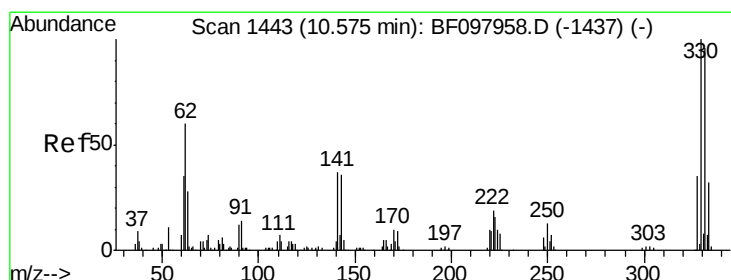
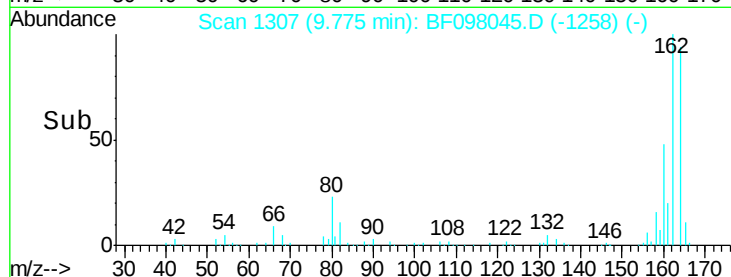
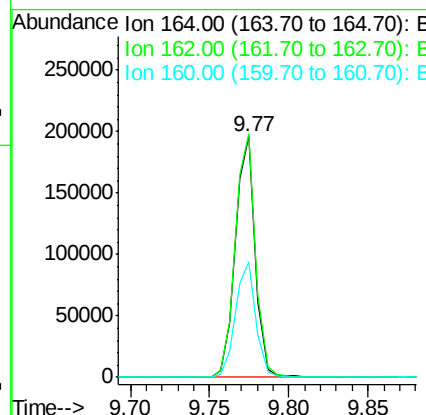
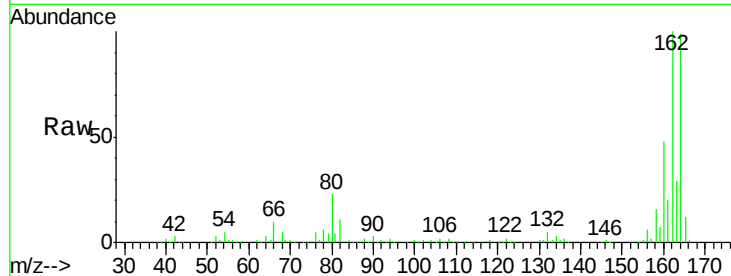




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

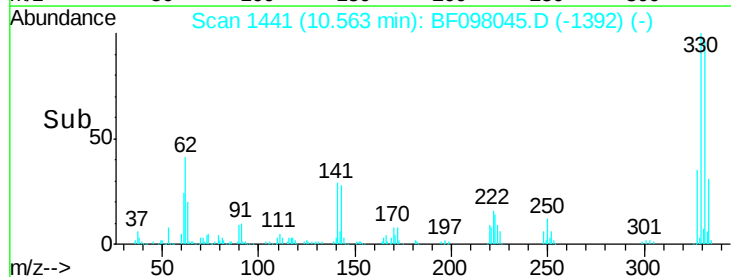
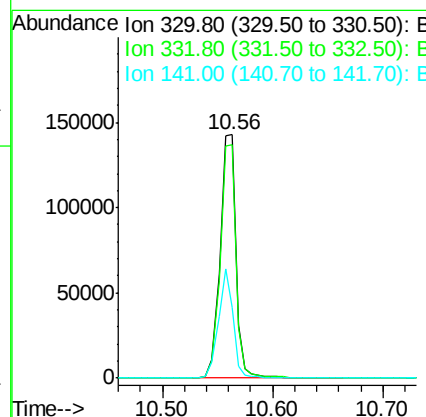
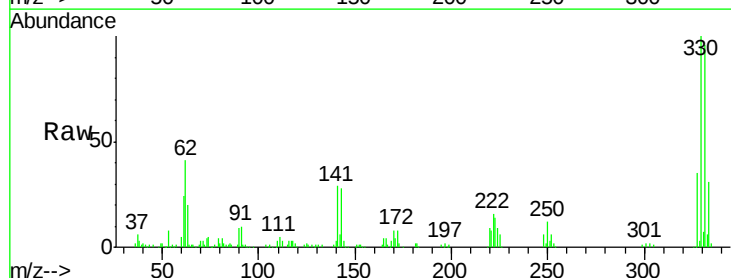
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 FK-GF-02-010-B

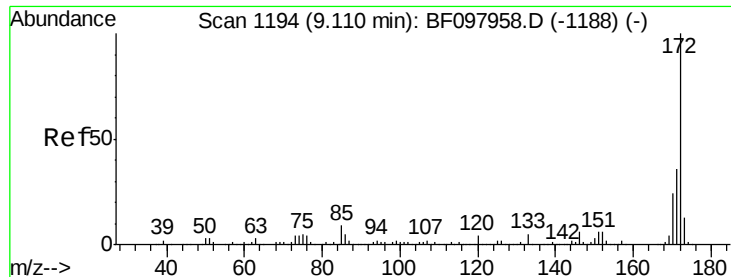
Tot Ion:164 Resp: 169970
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.6 123.8
 160 48.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 96.96 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion:330 Resp: 142988
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 40.5 31.4 47.2

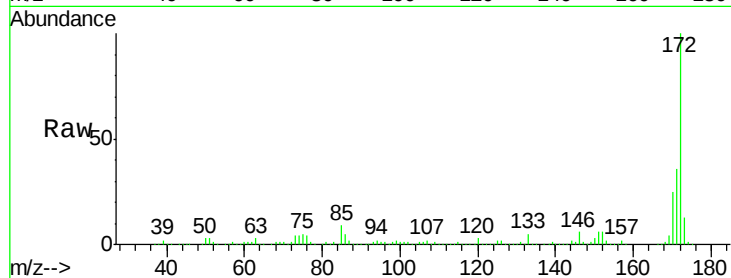




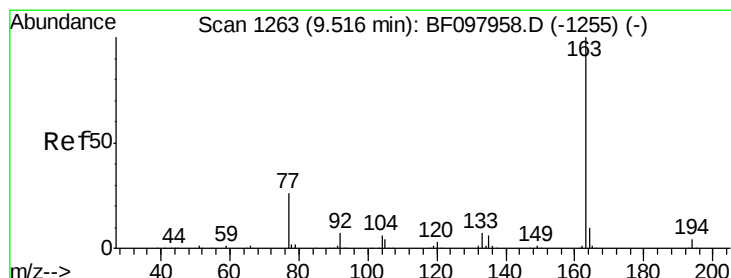
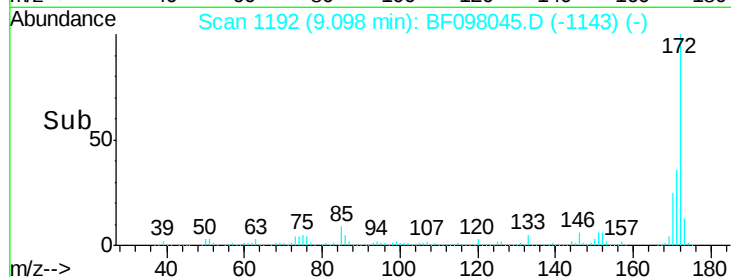
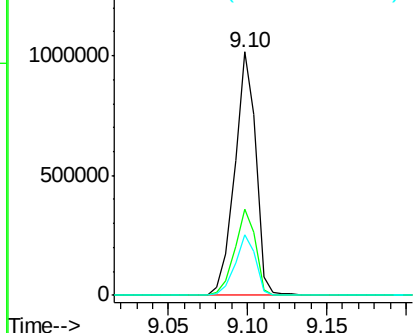
#44
2-Fluorobiphenyl
Concen: 81.08 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Instrument :
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ClientSampleId :
FK-GF-02-010-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.7	19.8	29.8

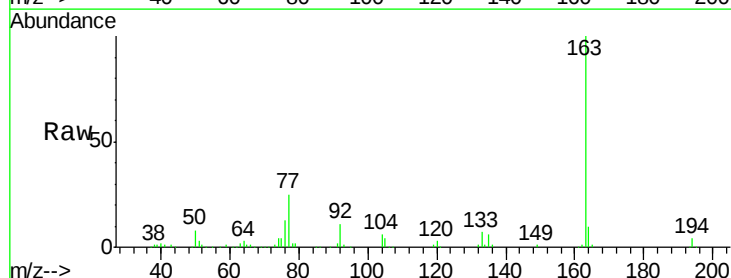


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

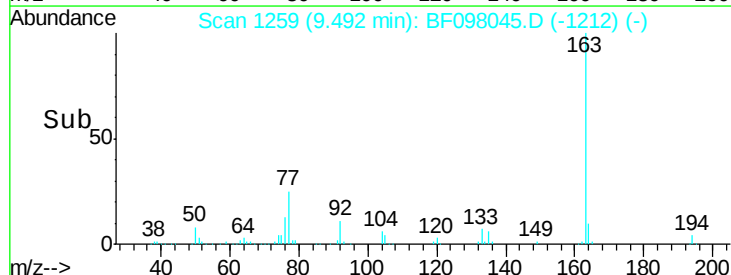
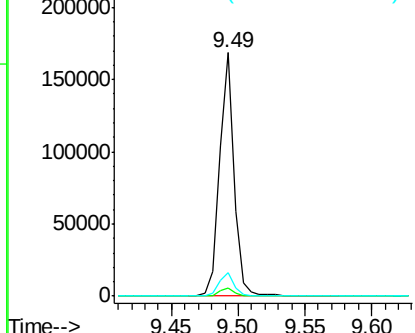


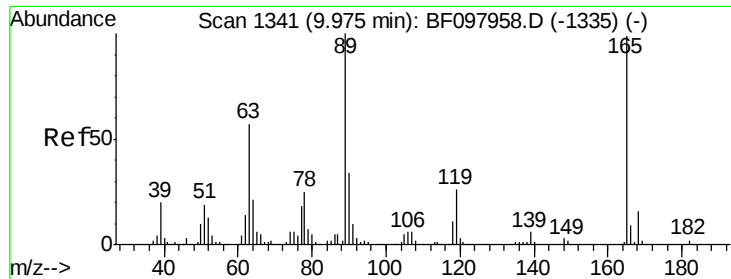
#49
Dimethylphthalate
Concen: 10.46 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
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

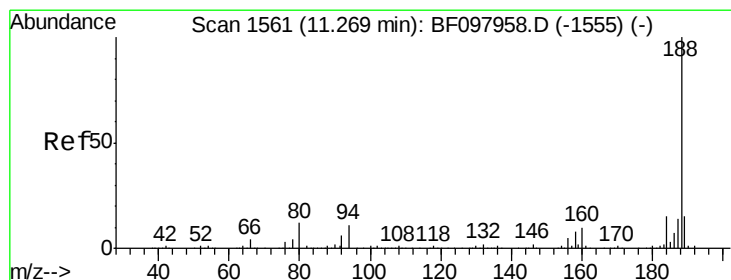
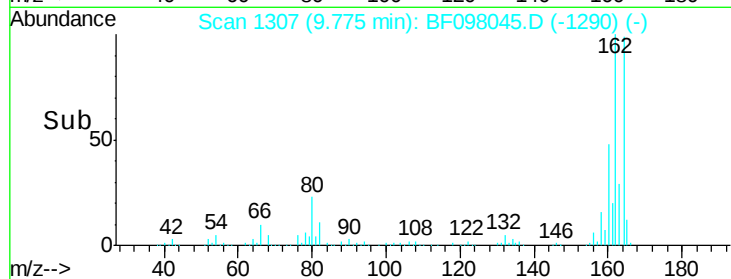
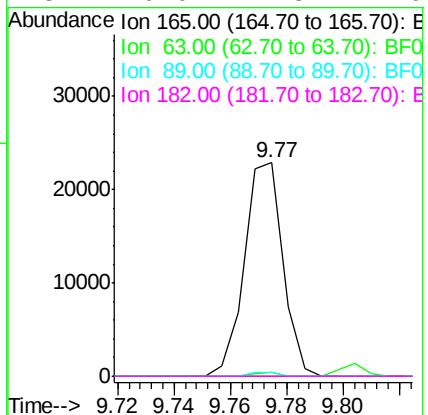
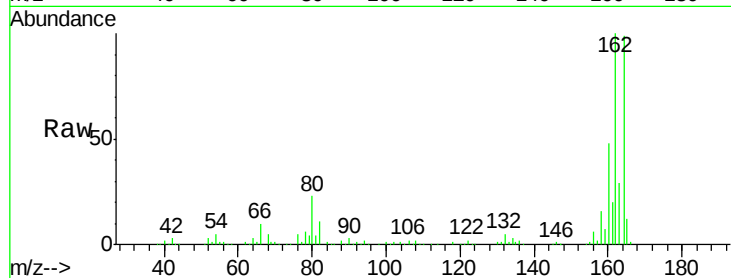




#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

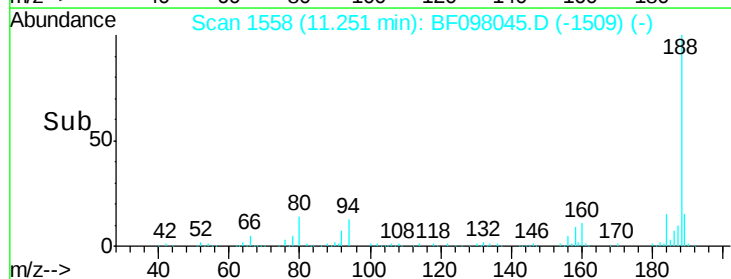
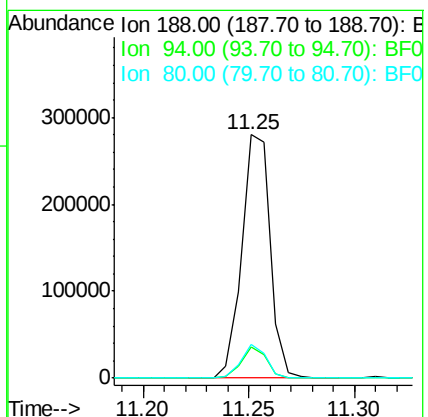
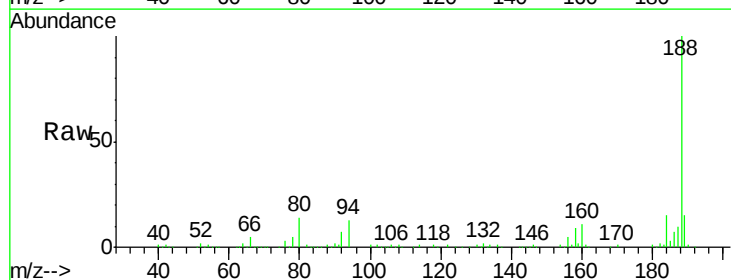
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

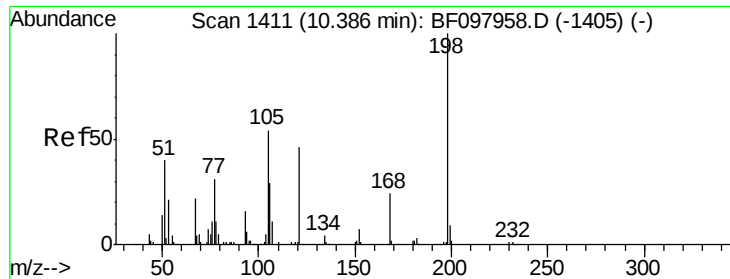
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	9.4	14.2
80	13.7	10.2	15.2

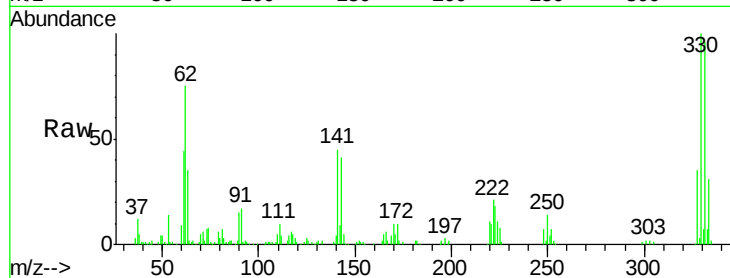




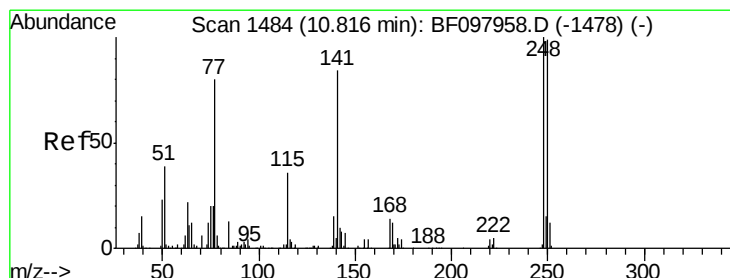
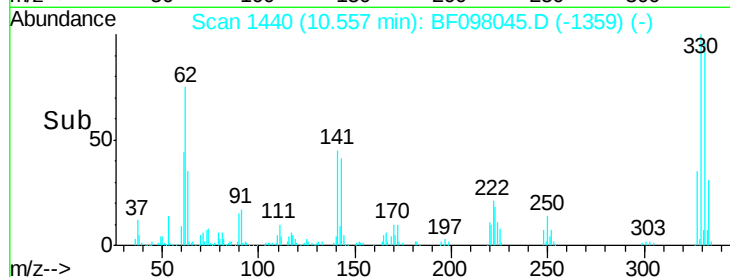
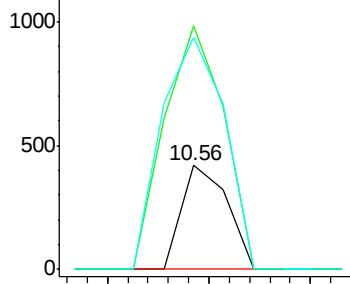
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.50 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.18 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

Tot Ion	Ratio	Lower	Upper
198	100		
51	234.3	53.2	93.2#
105	223.3	45.8	85.8#

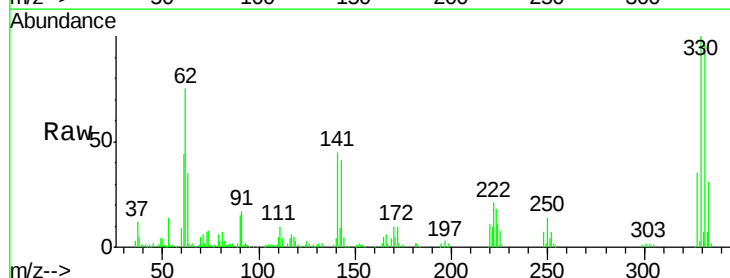


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

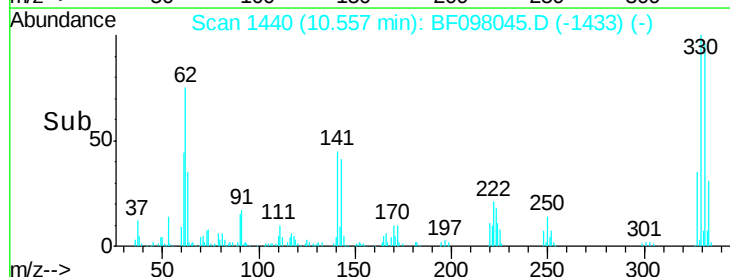
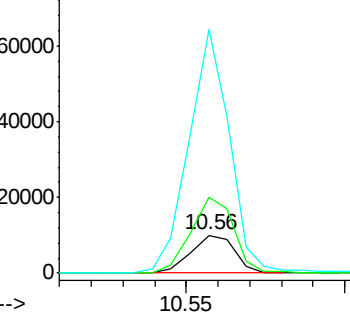


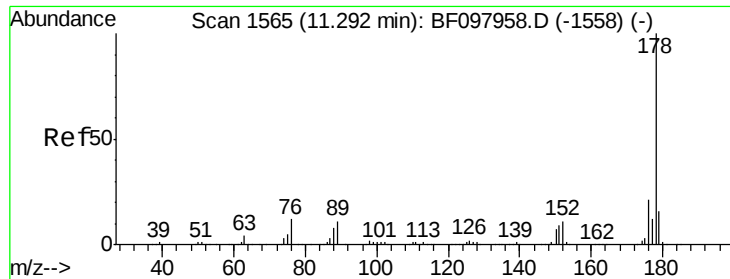
#66
 4-Bromophenyl-phenylether
 Concen: 3.51 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.26 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.7	76.8	115.2#
141	639.7	68.6	103.0#



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

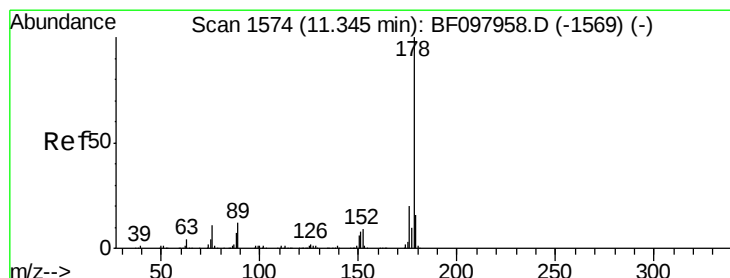
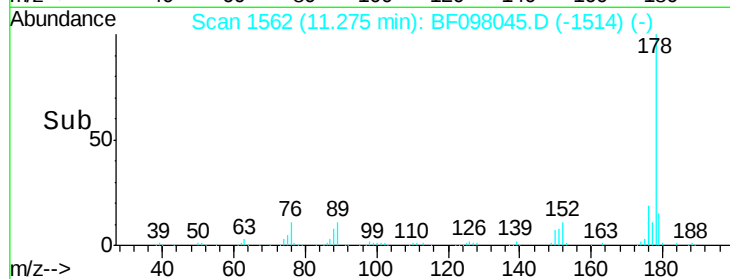
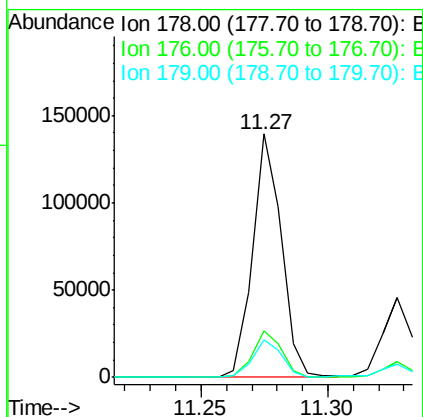
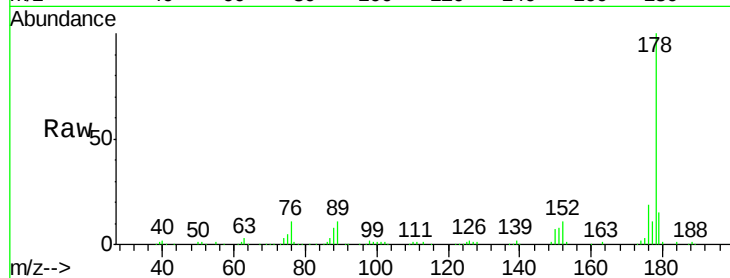




#70
 Phenanthrene
 Concen: 7.98 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

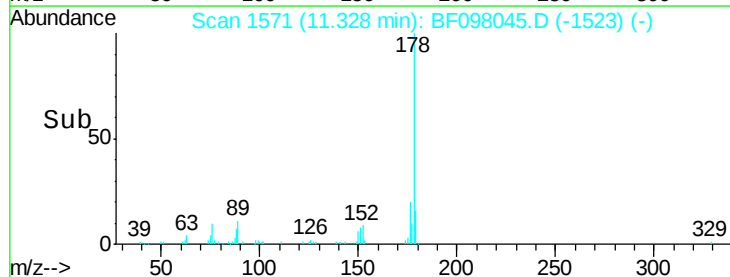
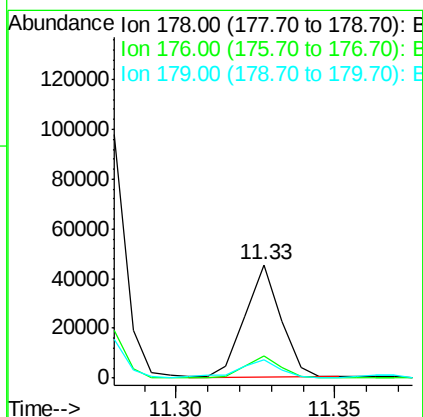
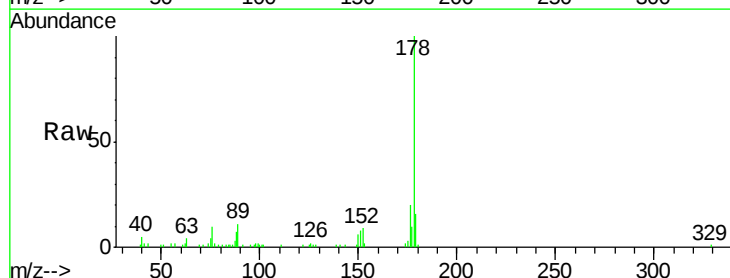
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-B

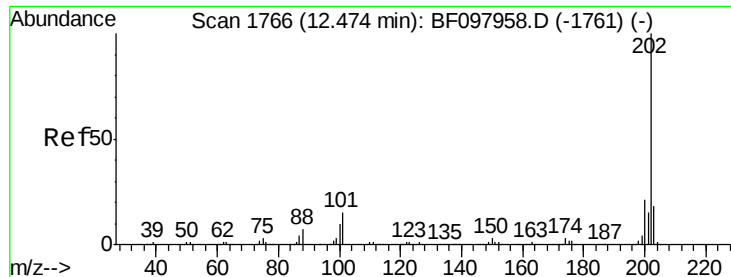
Tot Ion:178 Resp: 110529
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.5 12.6 19.0



#71
 Anthracene
 Concen: 2.56 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF098045.D
 Acq: 25 Aug 2017 22:11

Tgt Ion:178 Resp: 35981
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 16.2 12.7 19.1





#74

Fluoranthene

Concen: 12.61 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

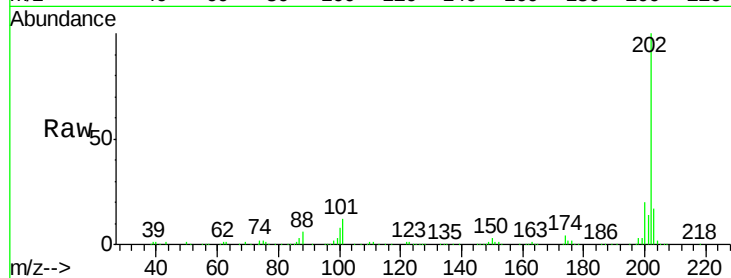
Tot Ion:202 Resp: 182229

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.2

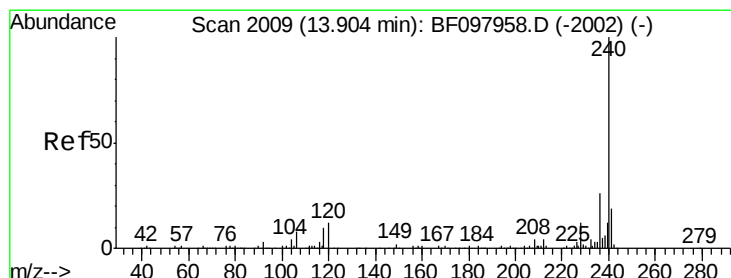
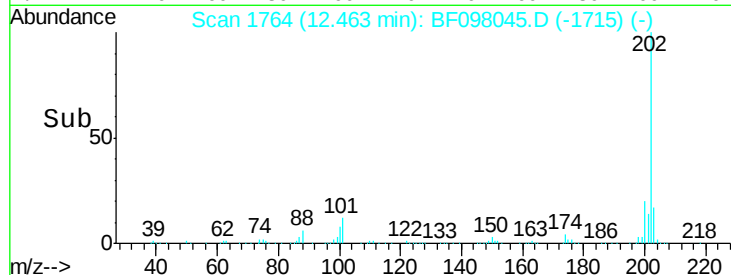
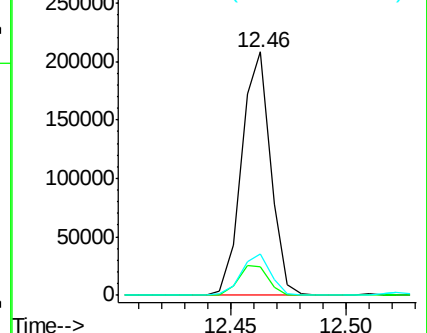
203 17.2 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

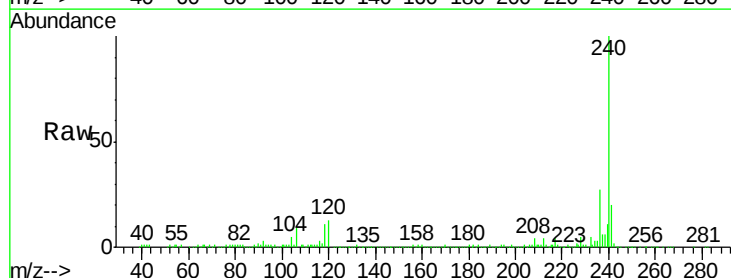
Tgt Ion:240 Resp: 247632

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

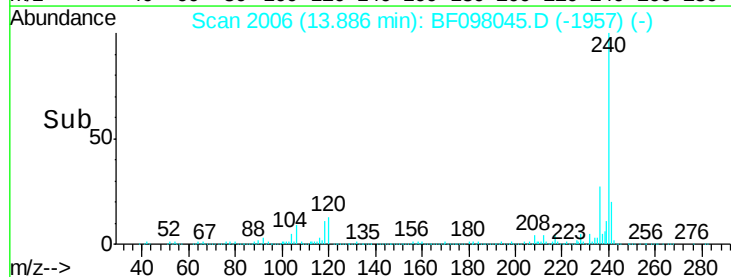
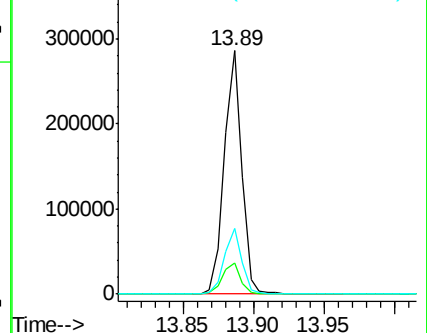
236 26.9 20.5 30.7

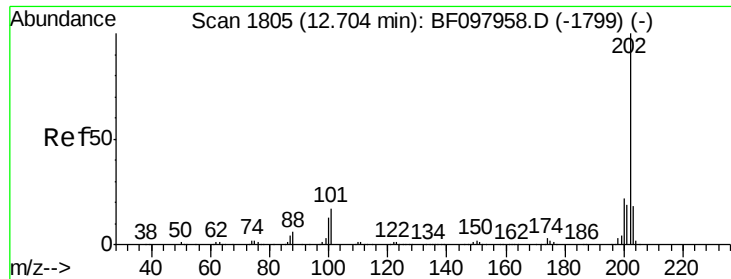


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.58 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

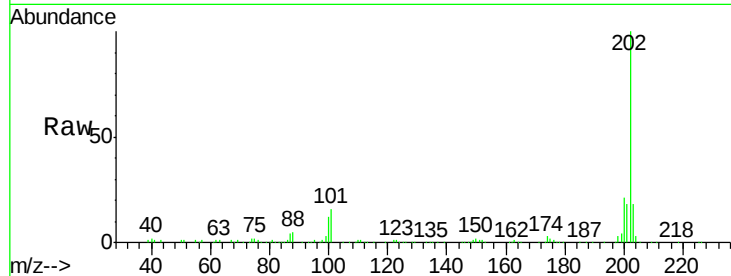
Tot Ion:202 Resp: 153452

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

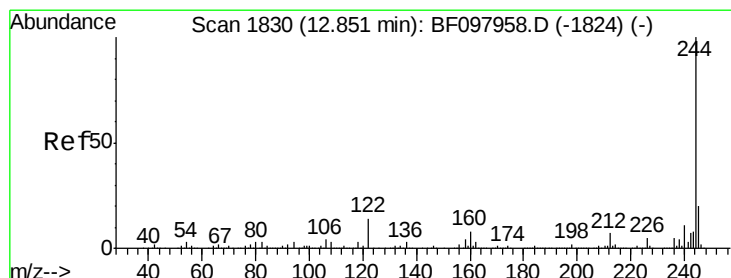
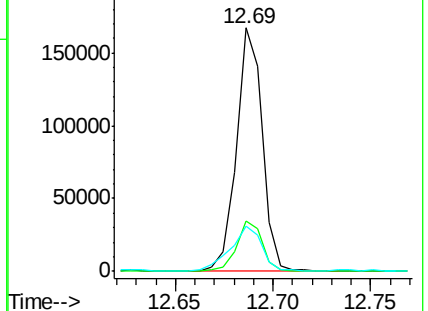
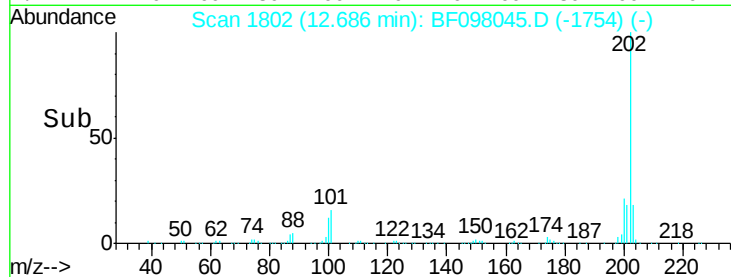
203 18.5 14.4 21.6



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



#78

Terphenyl-d14

Concen: 50.99 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

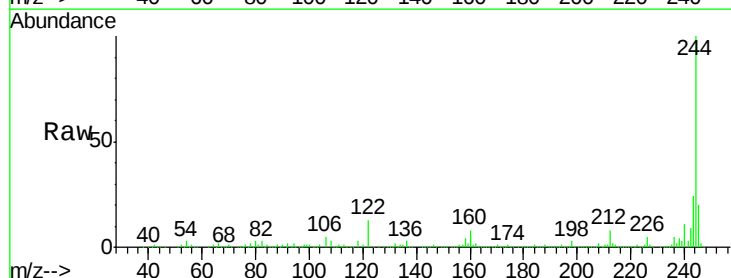
Tgt Ion:244 Resp: 605513

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

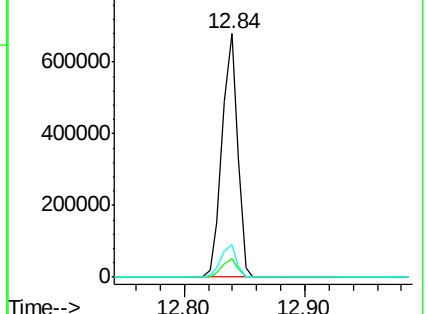
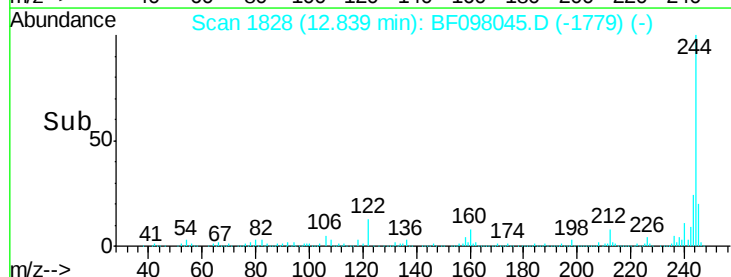
122 13.1 10.3 15.5

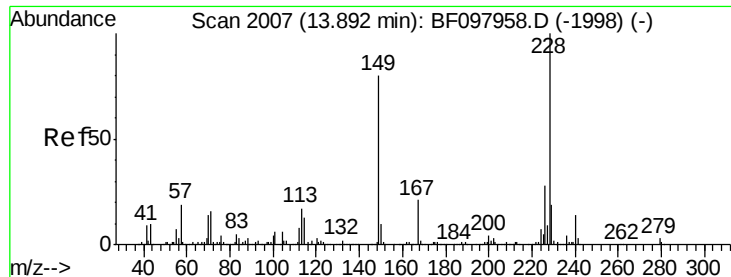


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

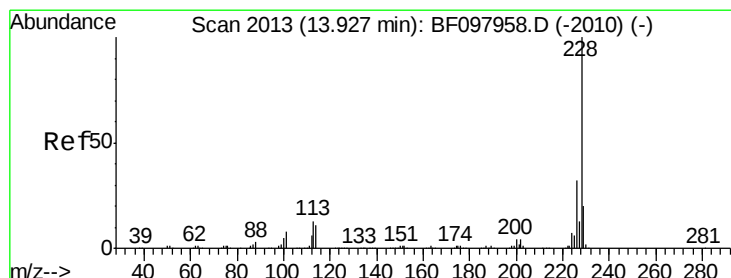
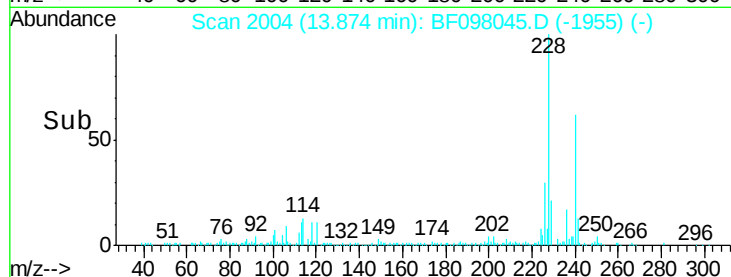
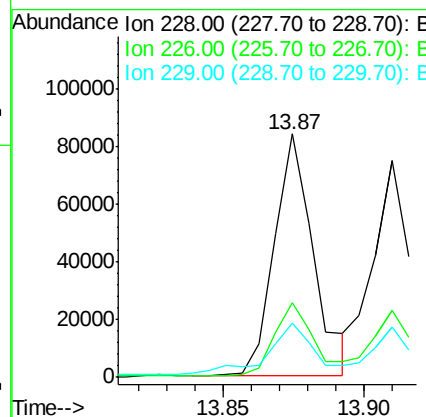
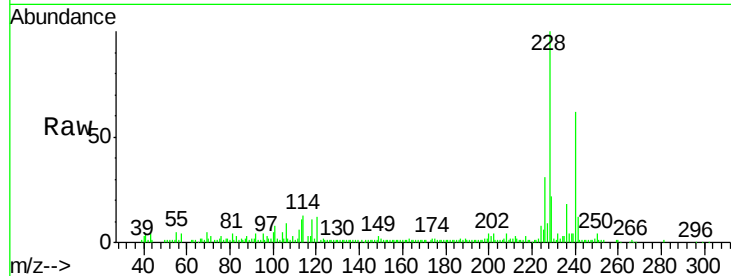




#80
Benzo(a)anthracene
Concen: 5.43 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

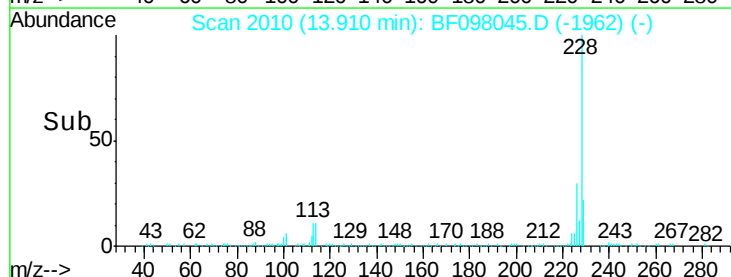
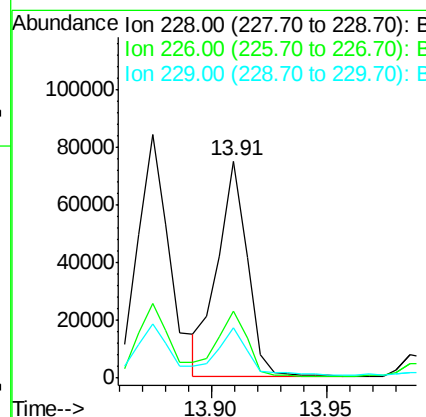
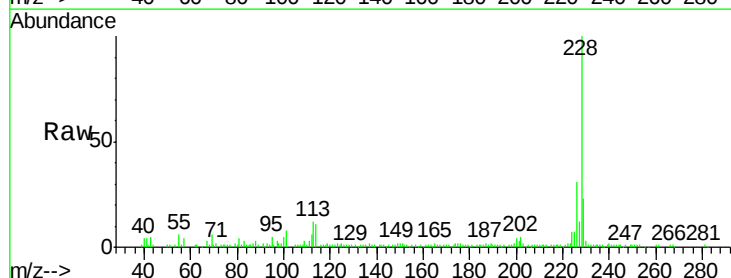
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-B

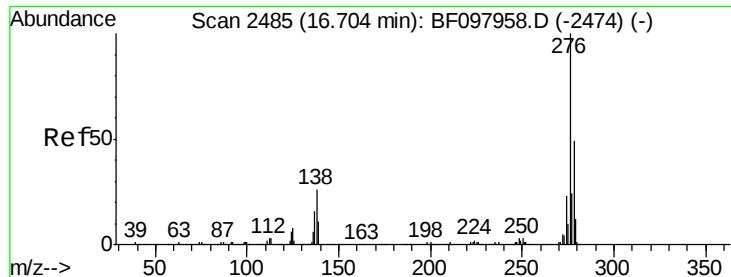
Tot Ion:228 Resp: 80539
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 4.52 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098045.D
Acq: 25 Aug 2017 22:11

Tgt Ion:228 Resp: 66737
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 23.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.08 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

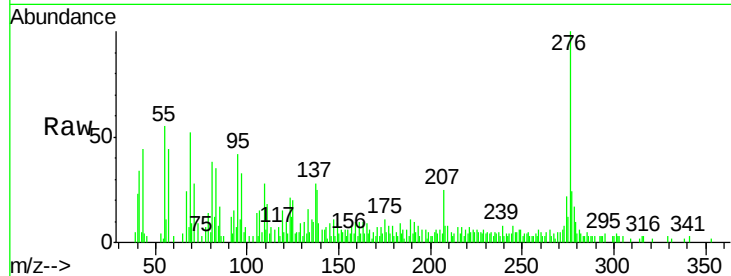
Tot Ion:276 Resp: 22538

Ion Ratio Lower Upper

276 100

138 27.0 27.8 41.6#

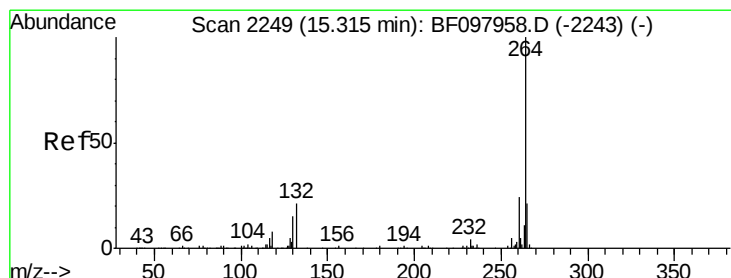
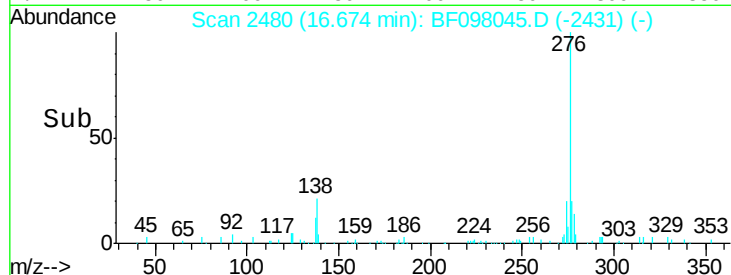
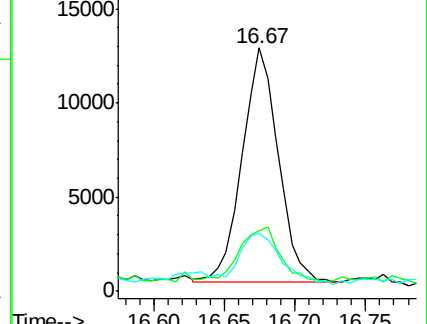
277 24.6 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

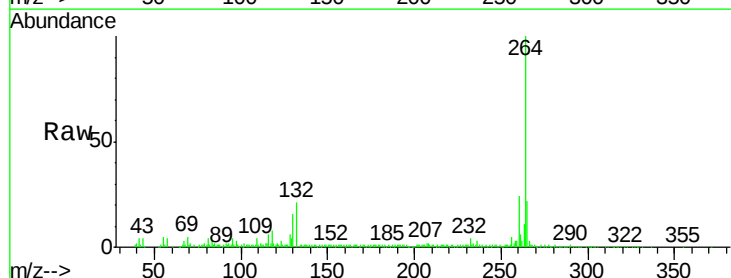
Tgt Ion:264 Resp: 192836

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

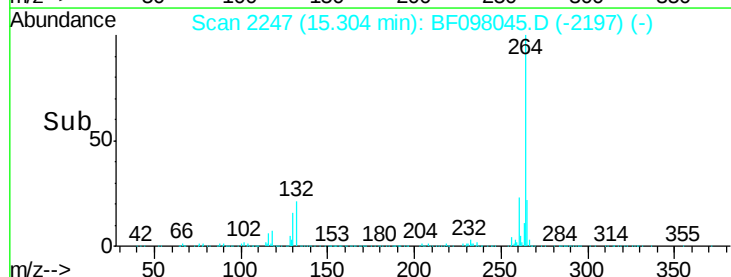
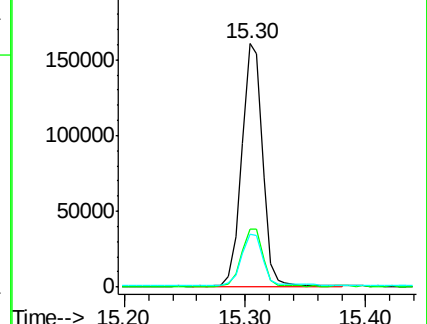
265 21.8 17.2 25.8

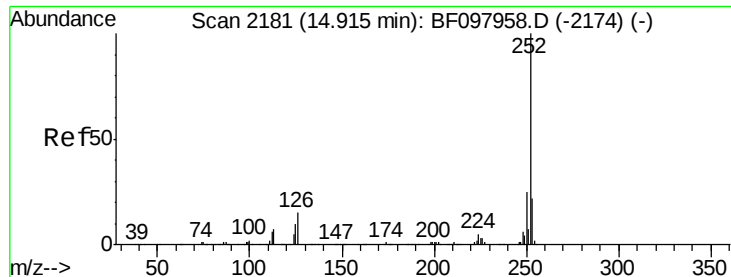


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.03 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

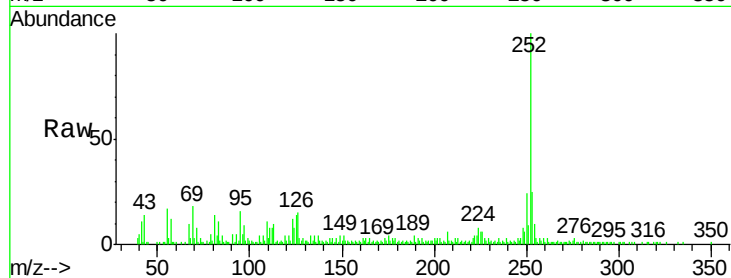
Tot Ion:252 Resp: 97648

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

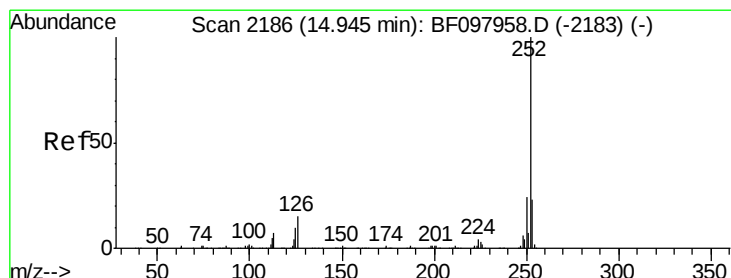
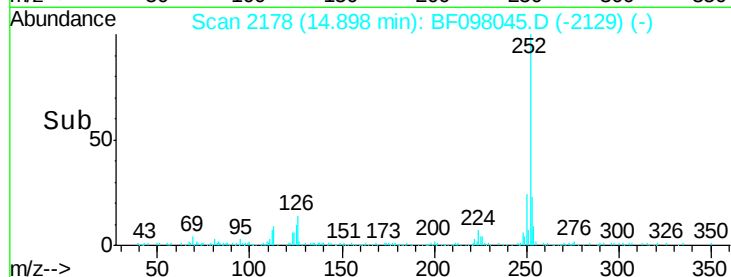
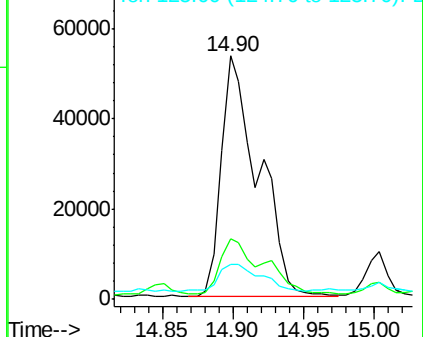
125 14.1 9.8 14.8



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



#88

Benzo(k)fluoranthene

Concen: 8.55 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

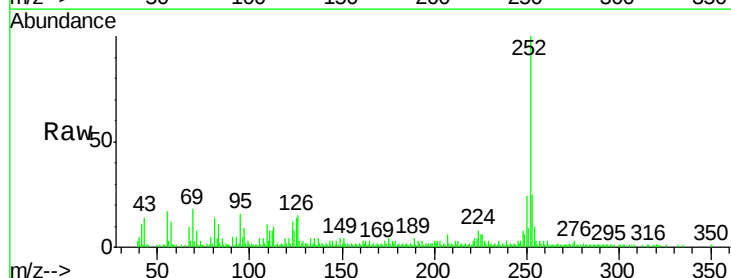
Tgt Ion:252 Resp: 97648

Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

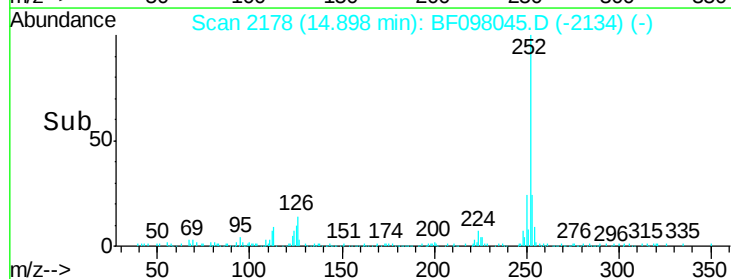
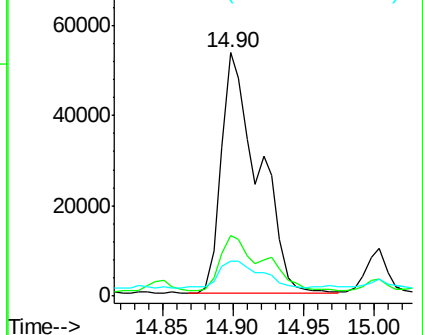
125 14.1 13.1 19.7

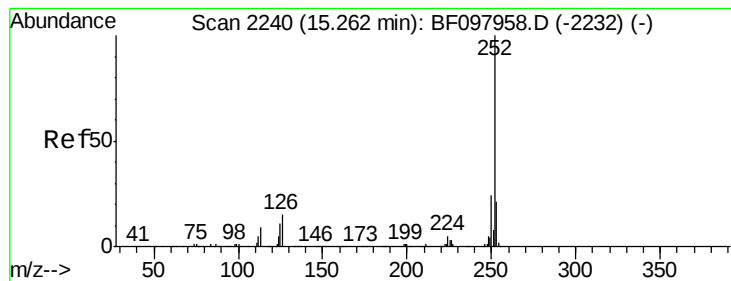


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.49 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-B

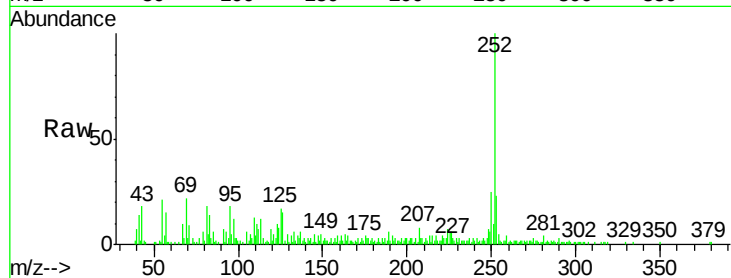
Tot Ion:252 Resp: 48355

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

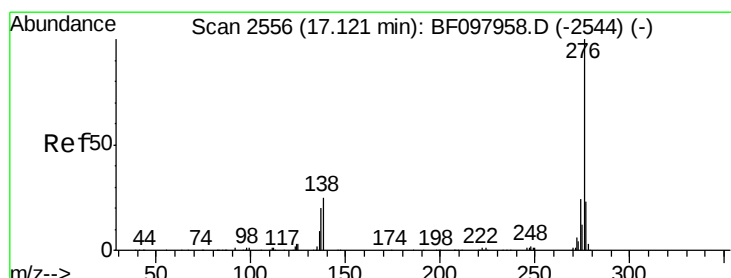
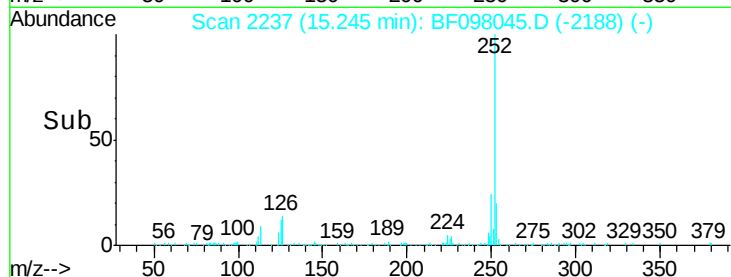
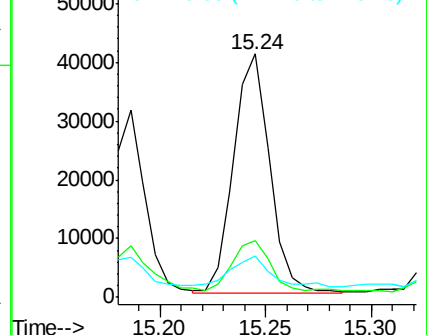
125 16.8 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.54 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.02 min

Lab File: BF098045.D

Acq: 25 Aug 2017 22:11

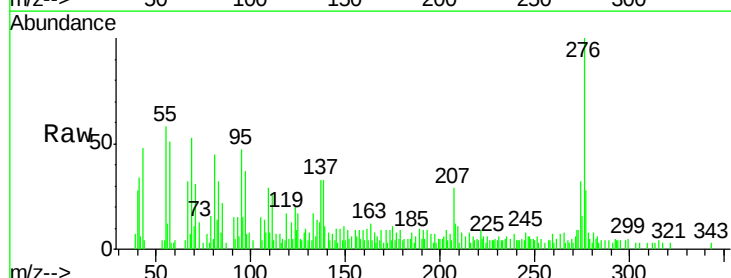
Tgt Ion:276 Resp: 23233

Ion Ratio Lower Upper

276 100

277 27.8 18.6 28.0

138 33.4 25.4 38.0



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

