

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110838.D
 Acq On : 17 Nov 2018 1:59
 Operator : JU/SJ
 Sample : J5970-03 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-028-B

Manual Integrations
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Sohil
 11/19/2018 11:56:13 AM

Quant Time: Nov 17 03:50:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	64730	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	268596	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	118544	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	182835	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	156481	20.00	ng	-0.01
87) Perylene-d12	15.66	264	105523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	192960	48.42	ng	-0.01
7) Phenol-d6	6.56	99	254897	50.02	ng	-0.01
23) Nitrobenzene-d5	7.50	82	157488	33.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	43579	36.48	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	305893	36.85	ng	-0.01
79) Terphenyl-d14	13.06	244	225993	27.05	ng	-0.01
Target Compounds						
10) Phenol	6.57	94	12469	2.110	ng	86
50) Dimethylphthalate	9.69	163	51402	5.811	ng	96
52) Acenaphthene	10.01	154	18881	2.604	ng	96
55) Dibenzofuran	10.19	168	26972	2.543	ng	95
58) Fluorene	10.53	166	49656	6.094	ng	99
71) Phenanthrene	11.50	178	383744	39.176	ng	98
72) Anthracene	11.55	178	117113	11.852	ng	99
73) Carbazole	11.71	167	21302	2.245	ng	100
75) Fluoranthene	12.70	202	468381	47.694	ng	97
78) Pyrene	12.93	202	367129	30.470	ng	98
81) Benzo(a)anthracene	14.12	228	189500	20.261	ng	98
83) Chrysene	14.15	228	152136	17.073	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	36337	5.683	ng	95
88) Benzo(b)fluoranthene	15.20	252	141216m	22.370	ng	
89) Benzo(k)fluoranthene	15.23	252	40556m	6.502	ng	
90) Benzo(a)pyrene	15.59	252	83529	14.563	ng	98
91) Dibenzo(a,h)anthracene	17.23	278	10933m	2.252	ng	
92) Benzo(g,h,i)perylene	17.71	276	34359	7.135	ng	96

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

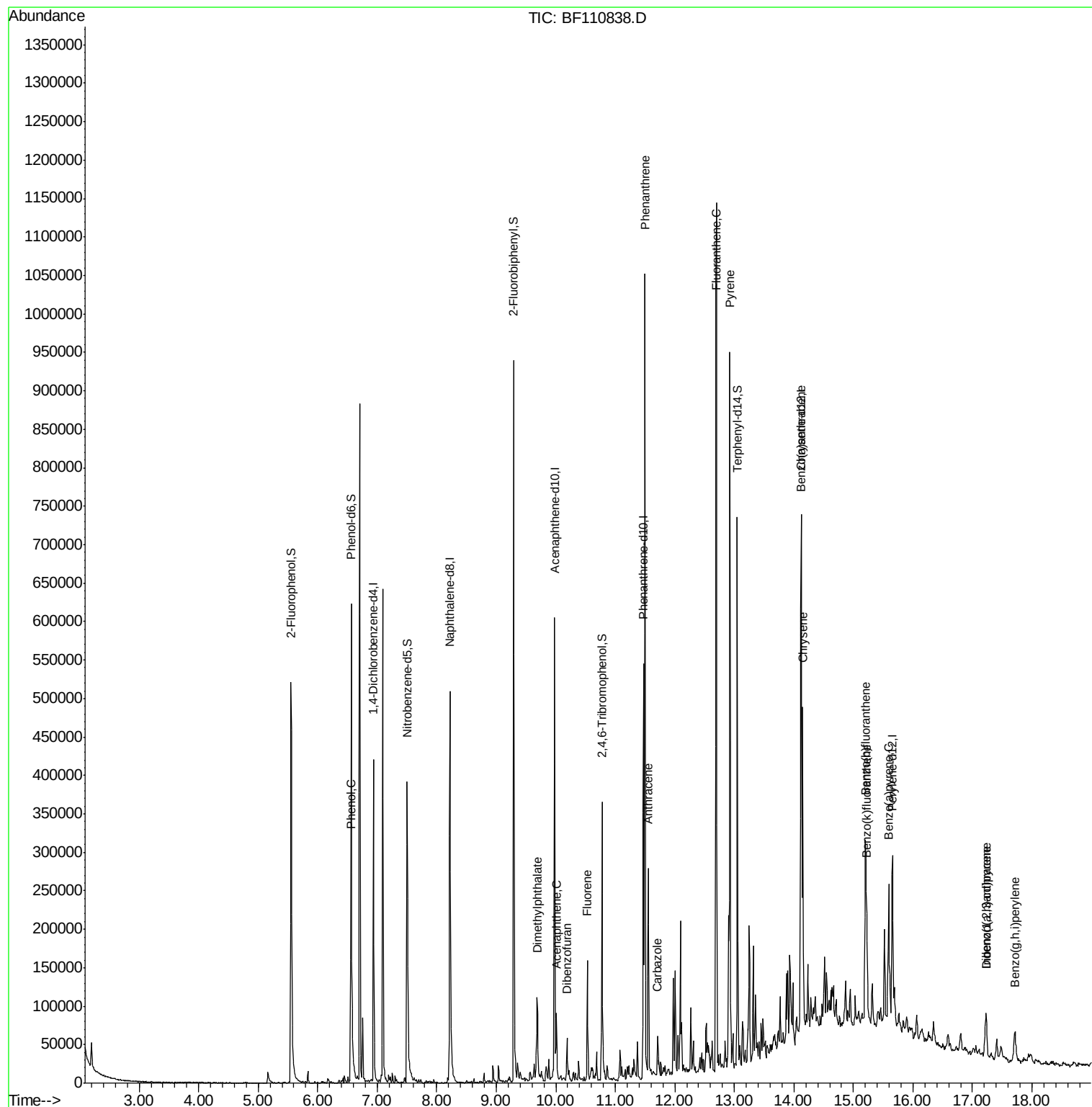
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
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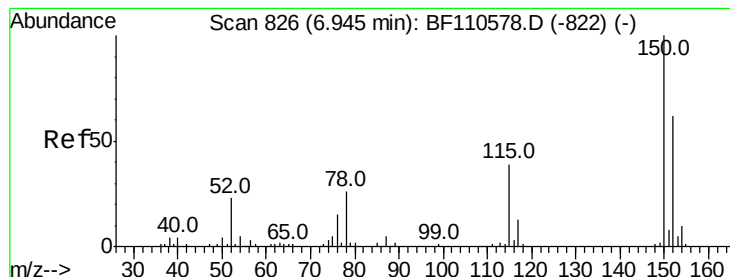
Instrument :
BNA_F
ClientSampled :
FK-GF-02-028-B

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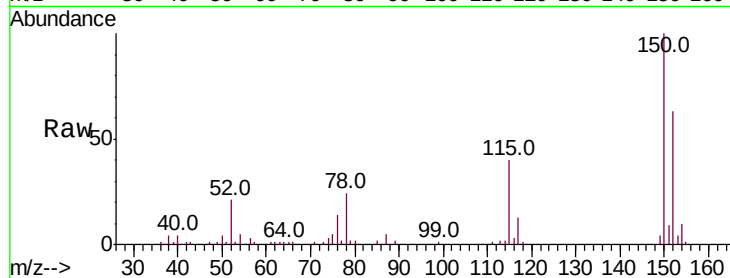
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.7	184.1
115	63.1	49.1	73.7

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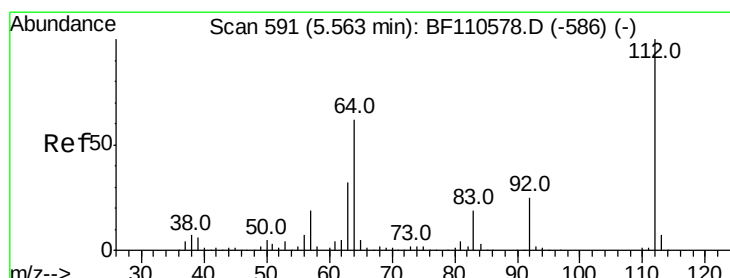
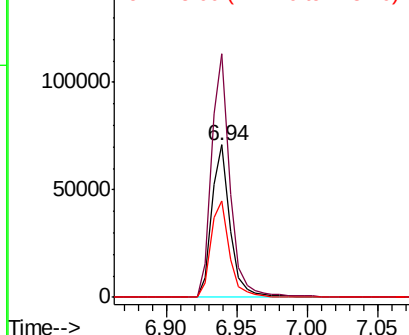
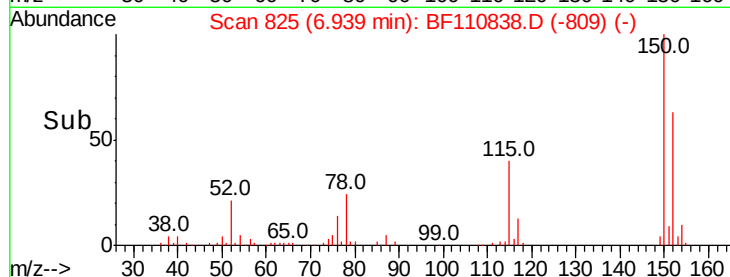


Abundance

Ion 152.00 (151.70 to 152.70): E

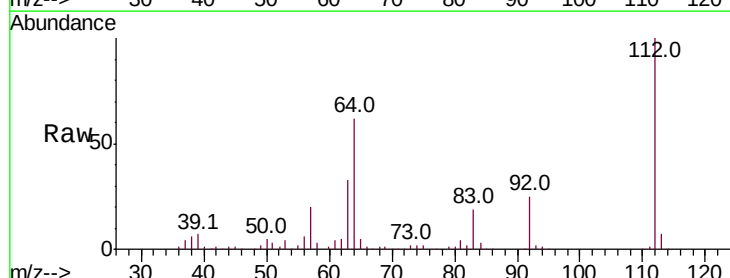
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
2-Fluorophenol
Concen: 48.421 ng
RT: 5.55 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	44.1	66.1
63	32.6	23.7	35.5

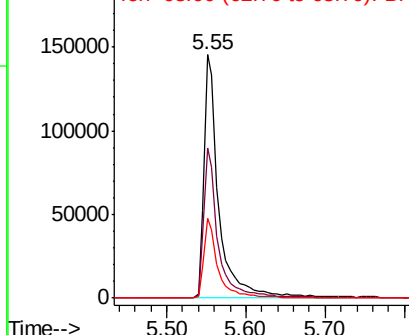
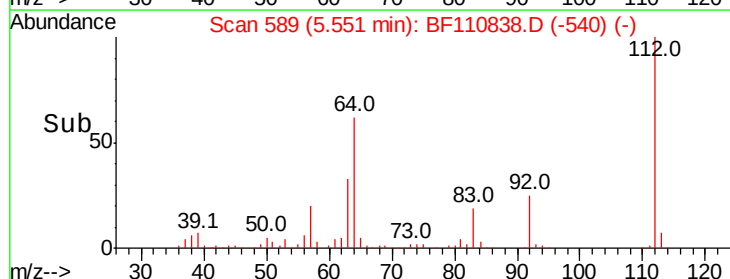


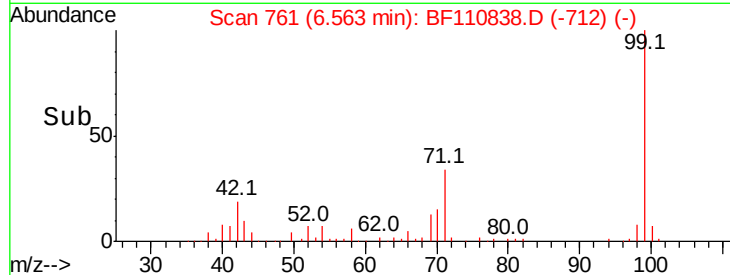
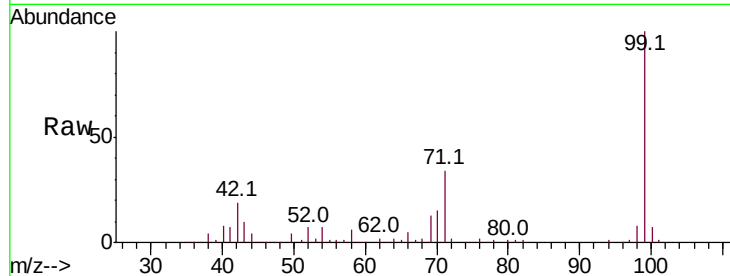
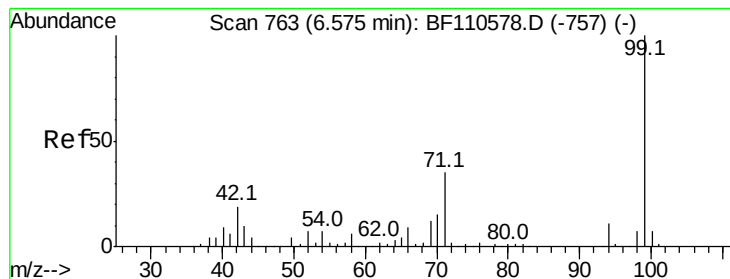
Abundance

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: 50.020 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Tot Ion:	99	Resp:	254897
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.8	23.6
71	34.3	28.0	42.0

Instrument :

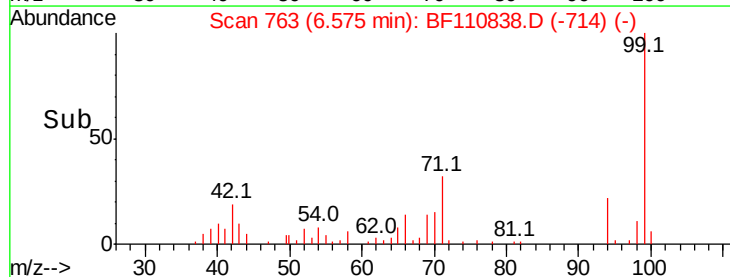
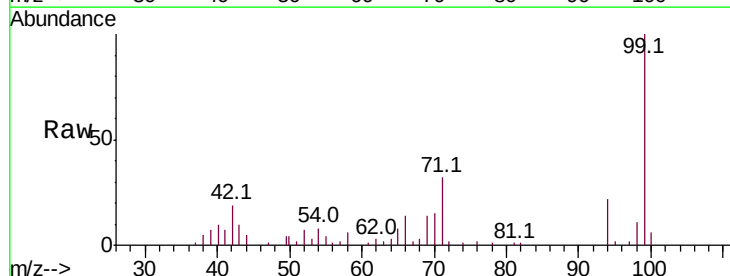
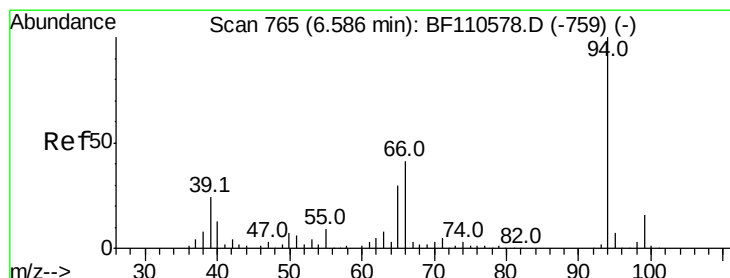
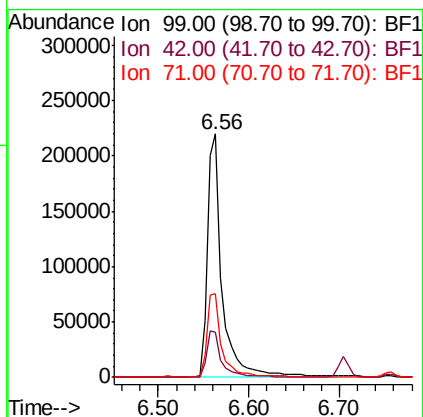
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#10

Phenol

Concen: 2.110 ng

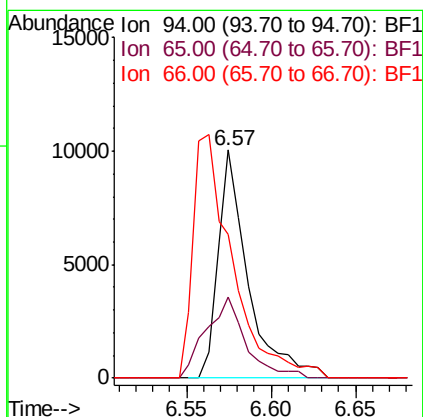
RT: 6.57 min Scan# 763

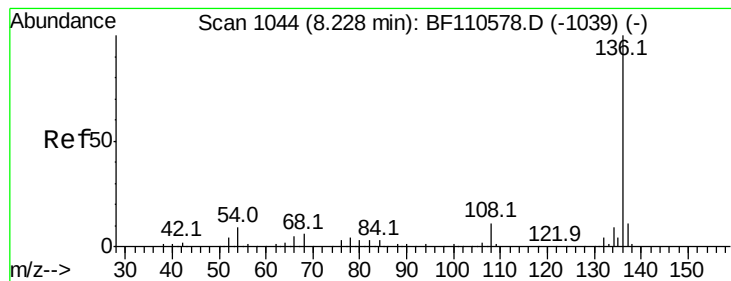
Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Tgt Ion:	94	Resp:	12469
Ion Ratio	Lower	Upper	
94	100		
65	35.4	25.3	65.3
66	62.9	54.5	94.5





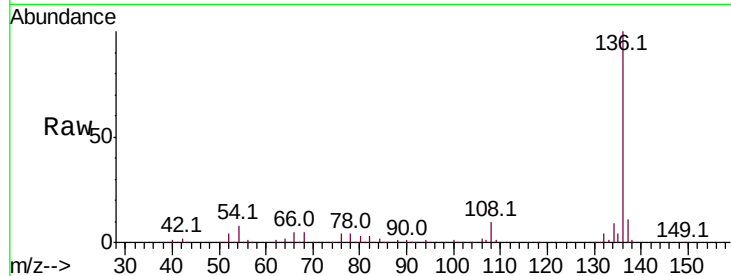
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

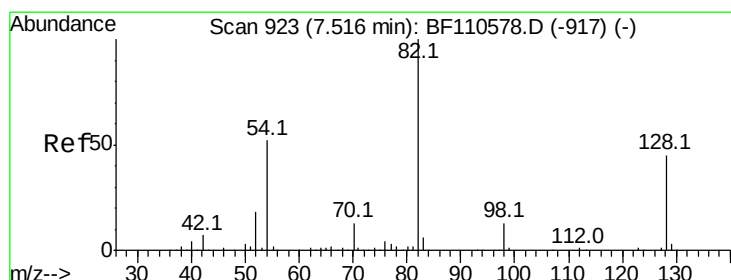
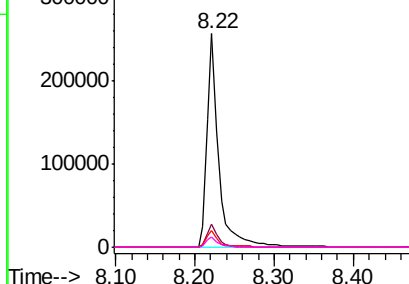
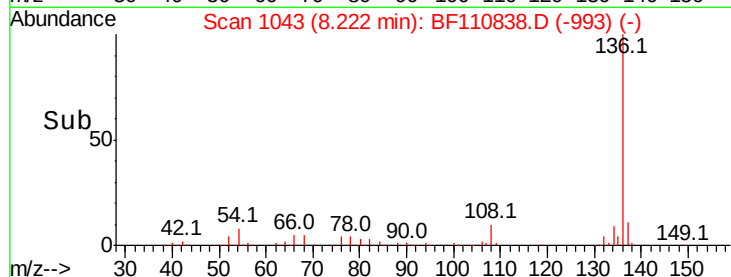
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	7.9	5.4	8.2	
68	4.7	4.2	6.2	

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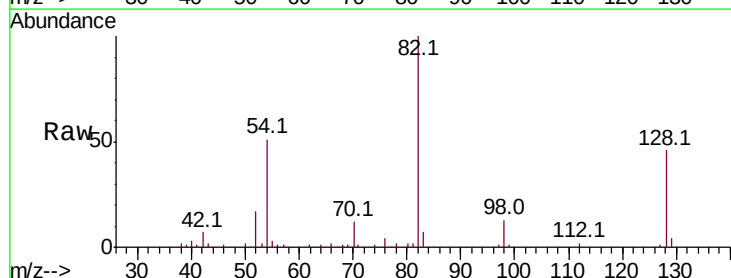


Abundance Ion 136.00 (135.70 to 136.70): E
400000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

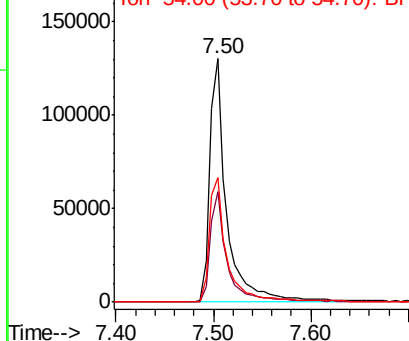
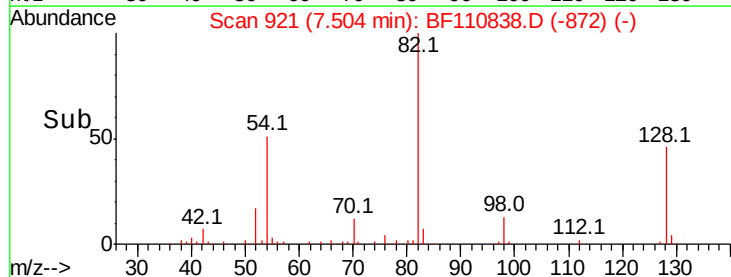


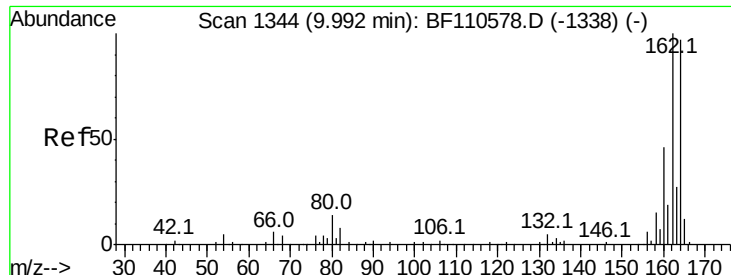
#23
Nitrobenzene-d5
Concen: 33.767 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	34.2	51.2	
54	51.3	38.6	58.0	



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





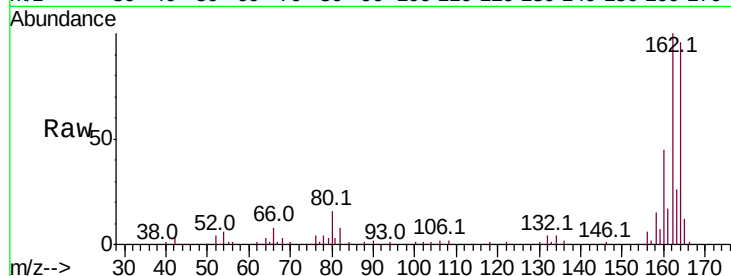
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

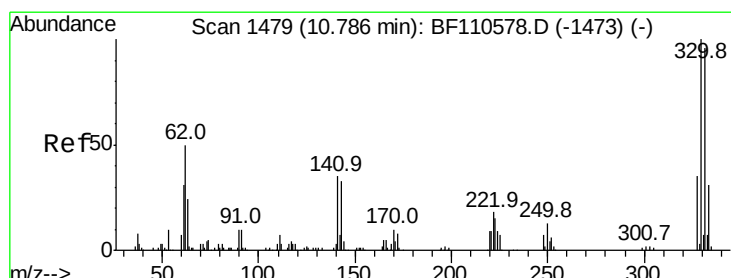
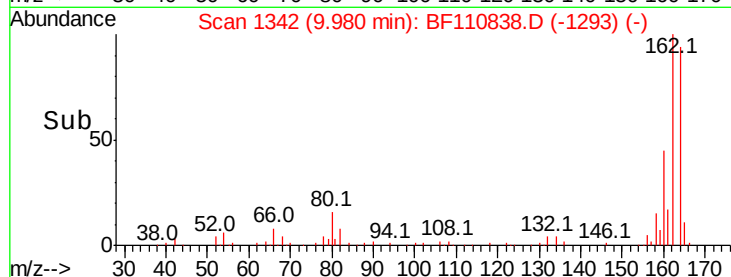
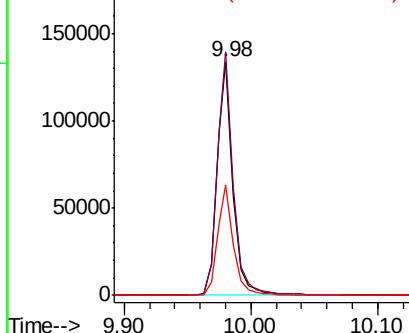
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	83.0	124.6	
160	47.1	37.0	55.6	

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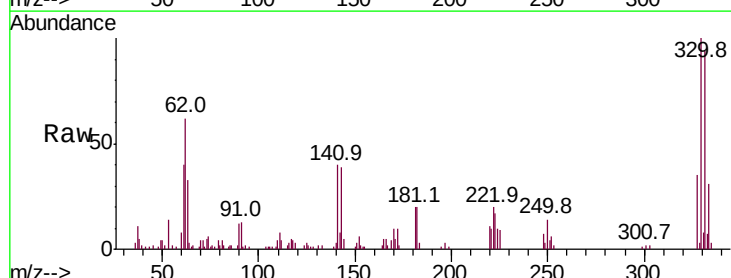


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

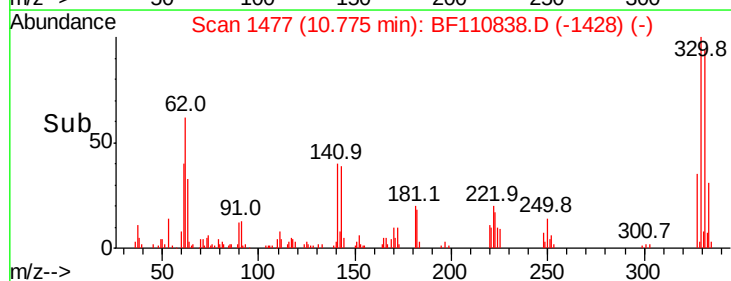
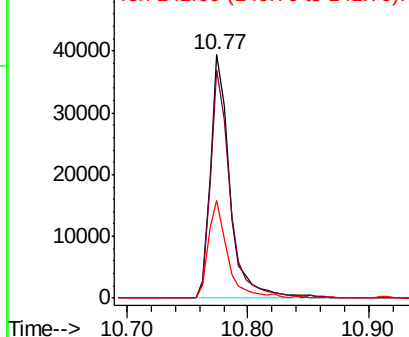


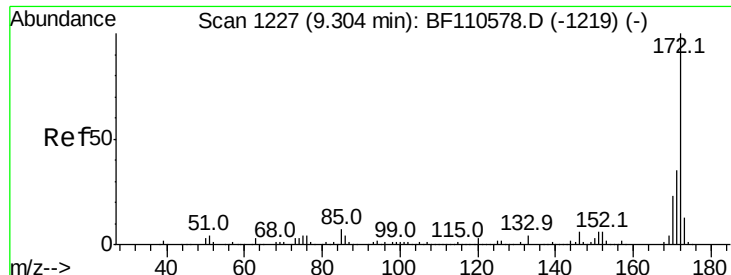
#42
2,4,6-Tribromophenol
Concen: 36.484 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.4	77.1	115.7	
141	40.0	27.0	40.4	



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





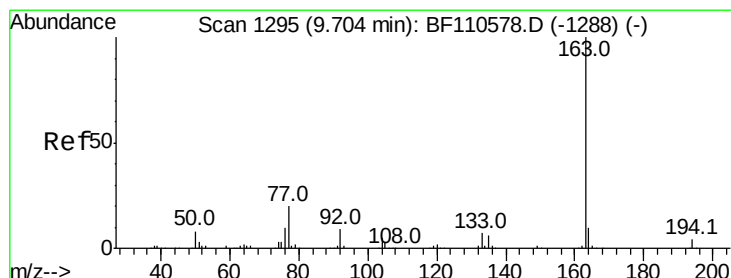
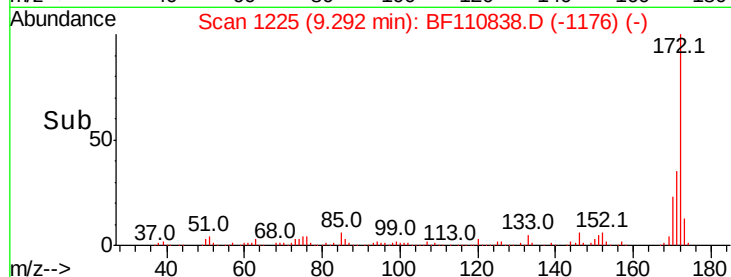
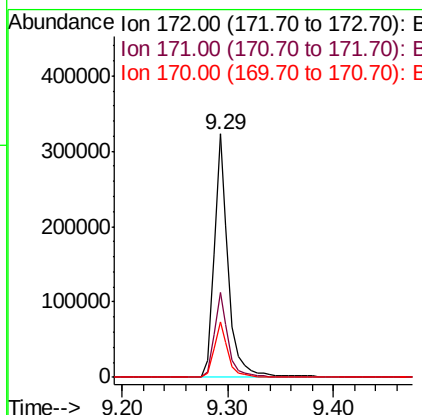
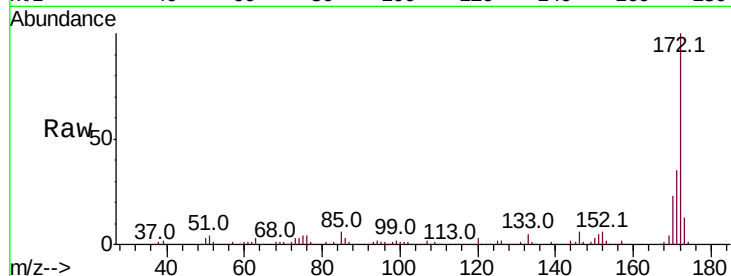
#45
2-Fluorobiphenyl
Concen: 36.853 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.0	19.7	29.5

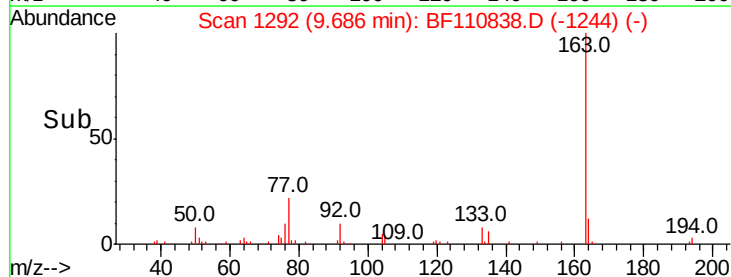
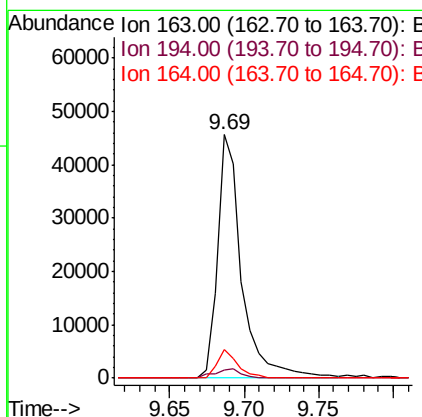
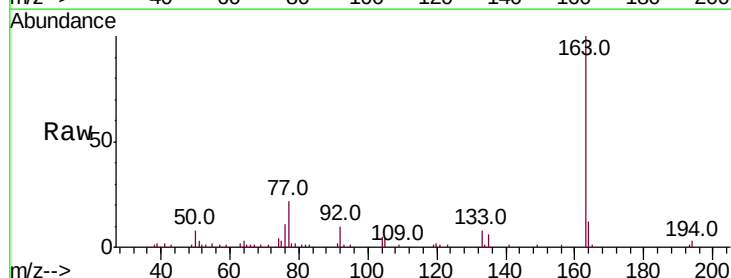
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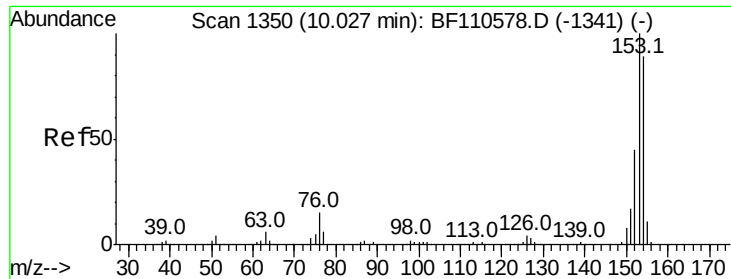
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#50
Dimethylphthalate
Concen: 5.811 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110838.D
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Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	3.2	4.8
164	11.9	8.1	12.1





#52

Acenaphthene

Concen: 2.604 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Instrument :

BNA_F

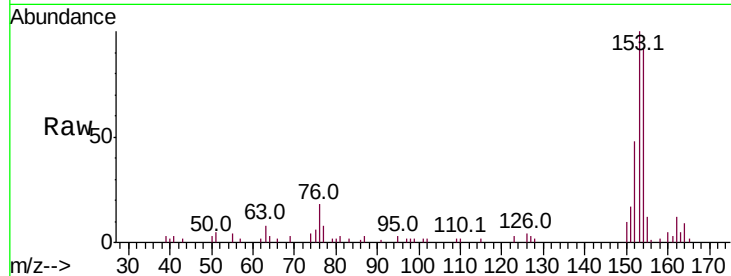
ClientSampleId :

FK-GF-02-028-B

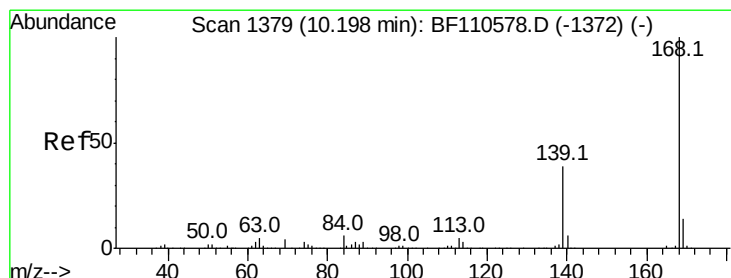
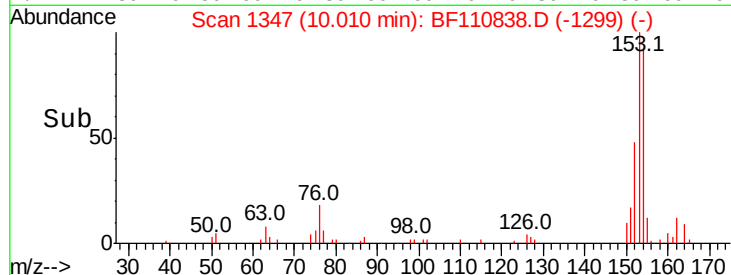
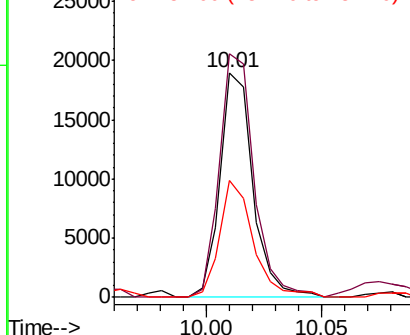
Tot Ion:	154	Resp:	18881
Ion Ratio	Lower	Upper	
154	100		
153	108.3	90.1	135.1
152	51.8	43.4	65.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.543 ng

RT: 10.19 min Scan# 1378

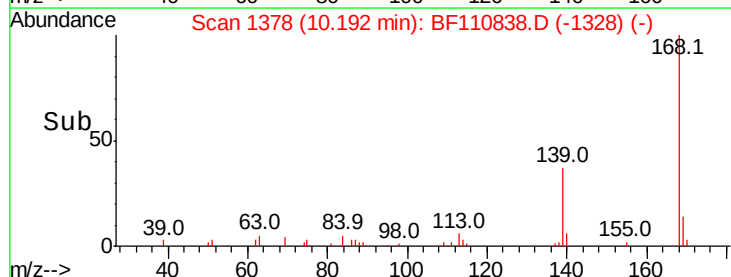
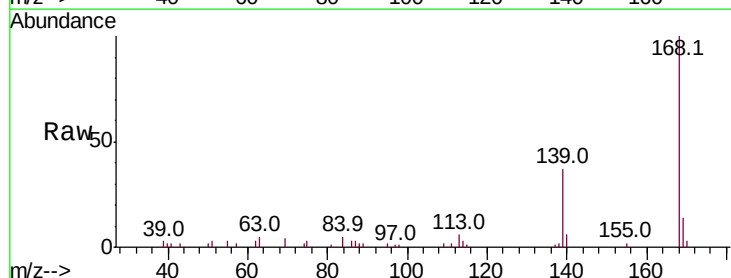
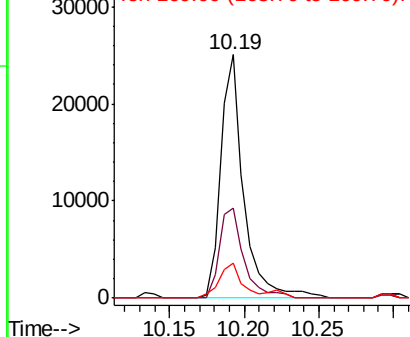
Delta R.T. -0.01 min

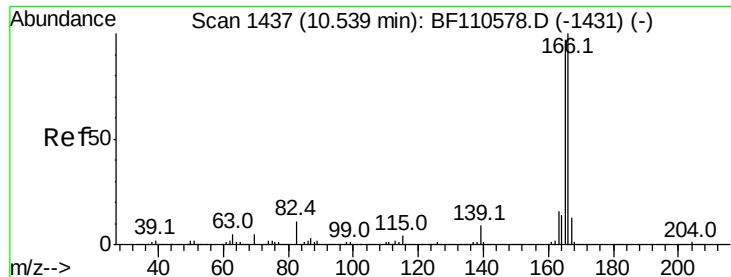
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Tgt Ion:	168	Resp:	26972
Ion Ratio	Lower	Upper	
168	100		
139	37.0	33.0	49.6
169	14.2	11.3	16.9

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





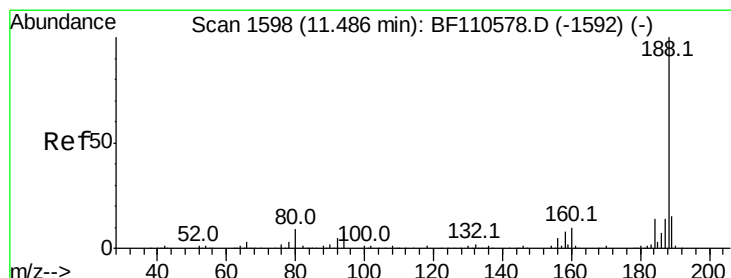
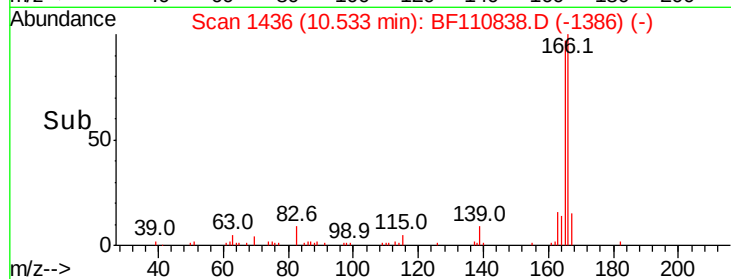
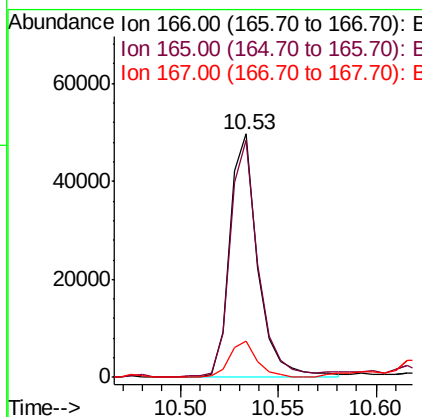
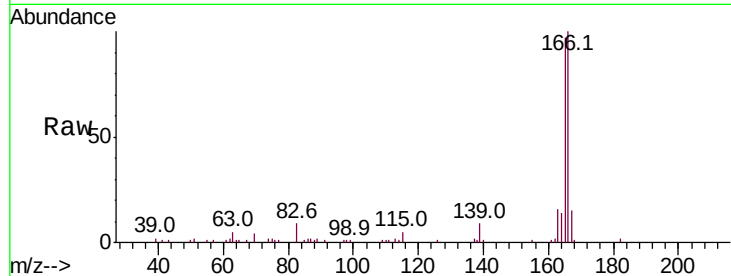
#58
Fluorene
 Concen: 6.094 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110838.D
 Acq: 17 Nov 2018 1:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	14.7	10.8	16.2

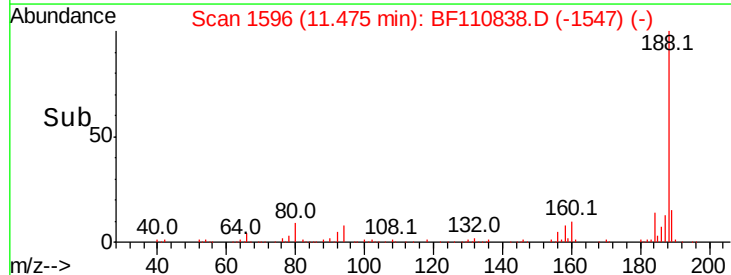
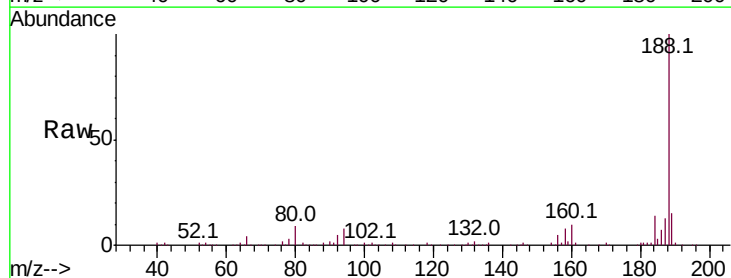
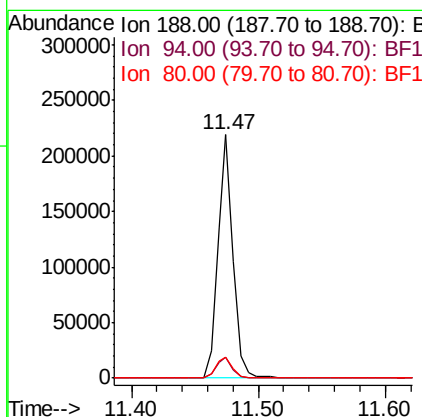
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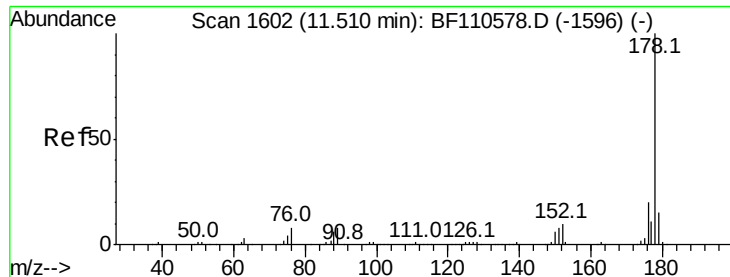
Sohil
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110838.D
 Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.8	7.9	11.9





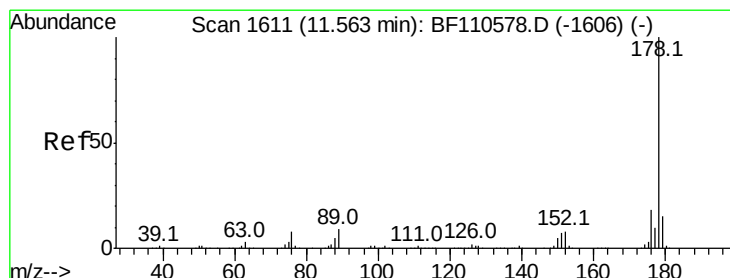
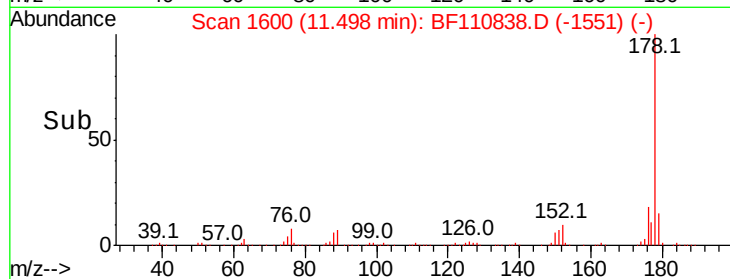
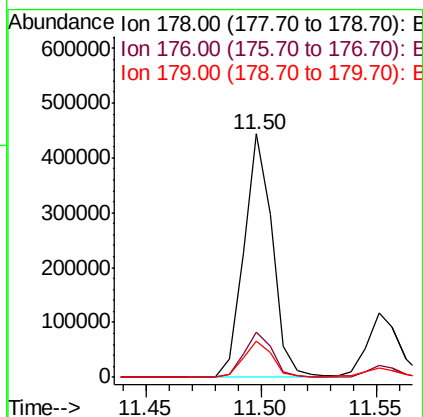
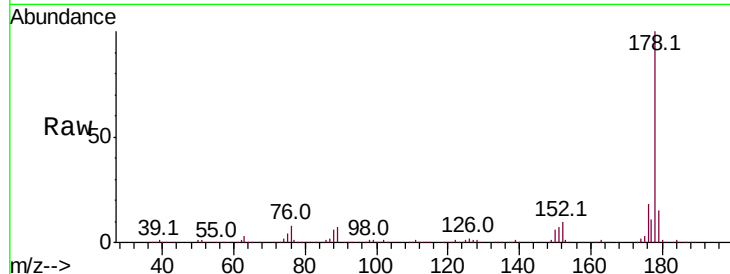
#71
Phenanthrene
Concen: 39.176 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	14.8	12.5	18.7

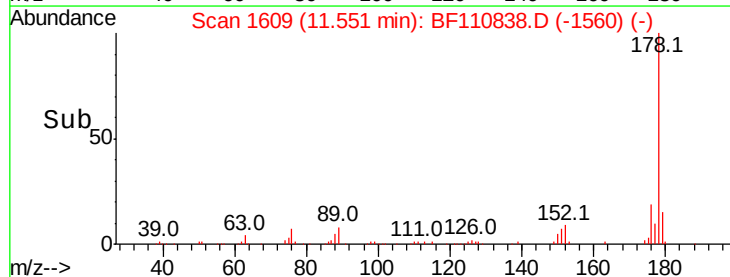
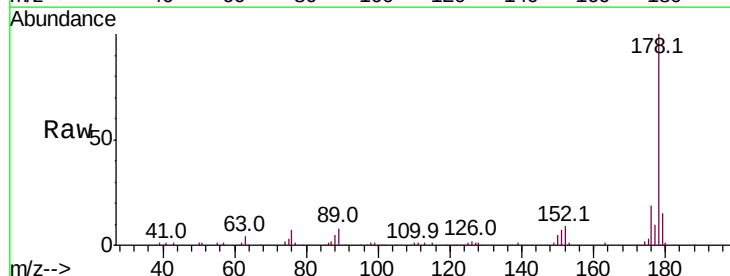
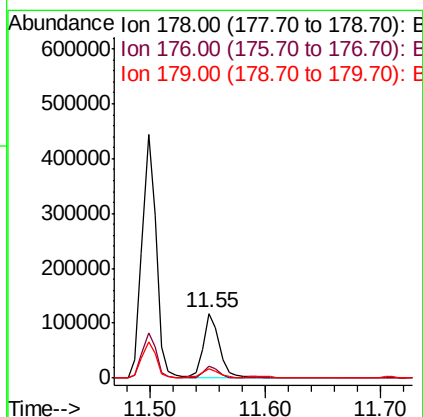
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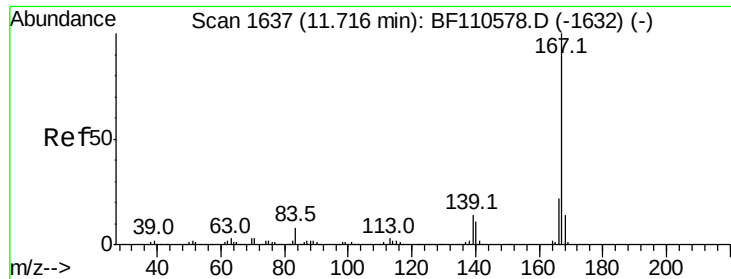
Sohil
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#72
Anthracene
Concen: 11.852 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.6	18.8





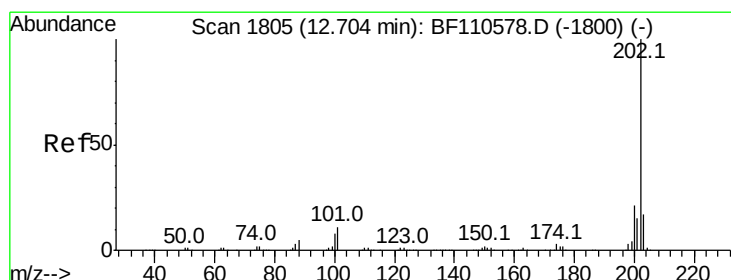
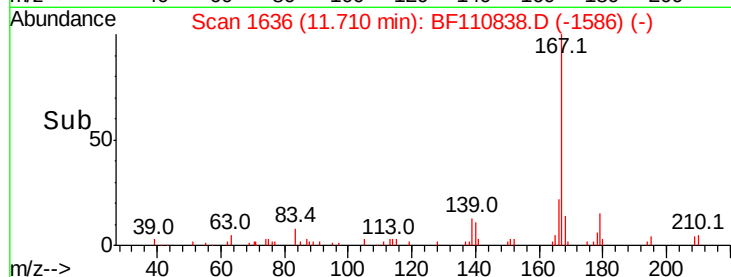
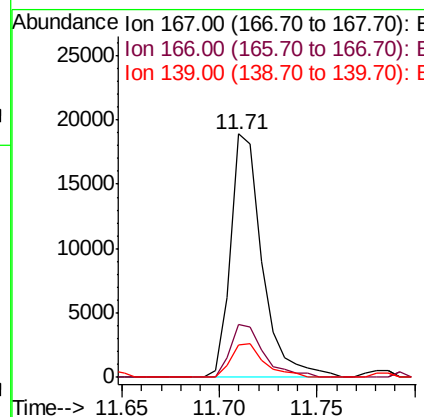
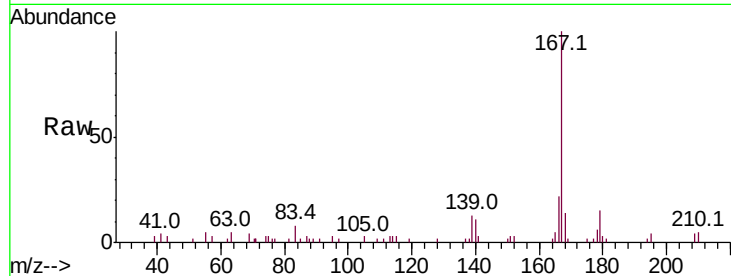
#73
 Carbazole
 Concen: 2.245 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110838.D
 Acq: 17 Nov 2018 1:59

Instrument :
 BNA_F
 ClientSampled :
 FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.2	10.9	16.3

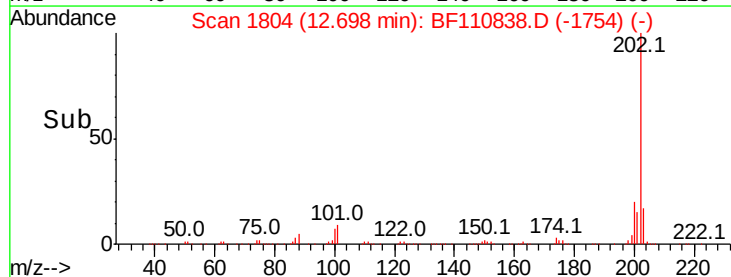
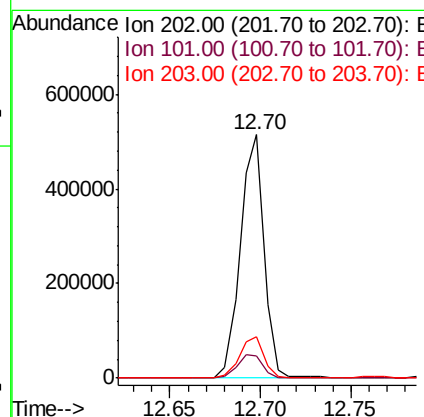
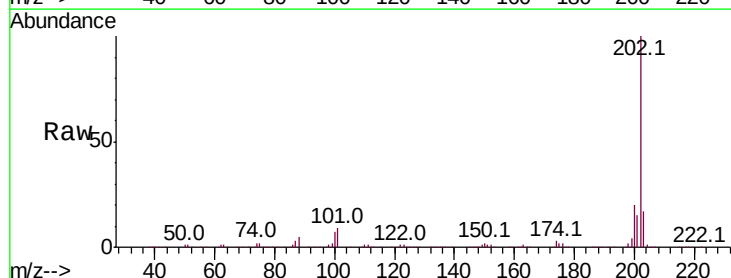
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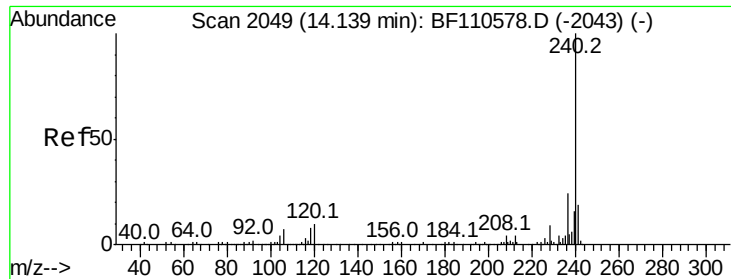
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#75
 Fluoranthene
 Concen: 47.694 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110838.D
 Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.4
203	17.2	0.0	37.7





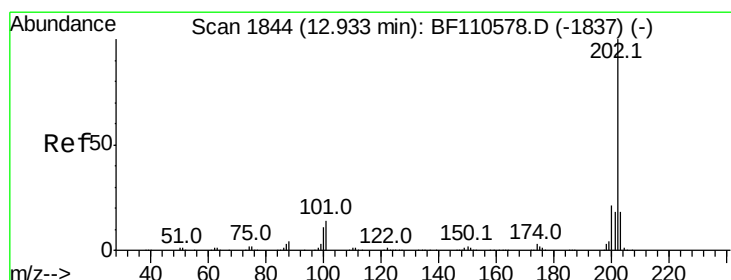
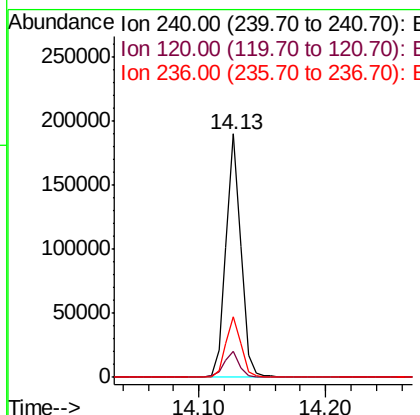
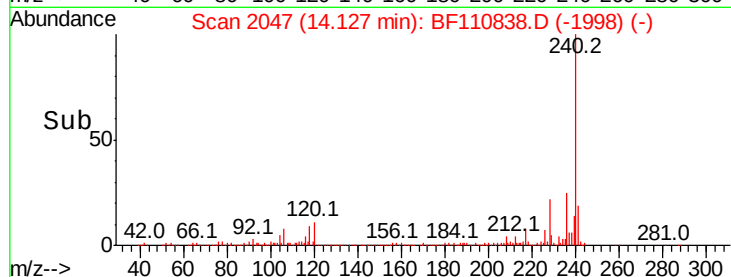
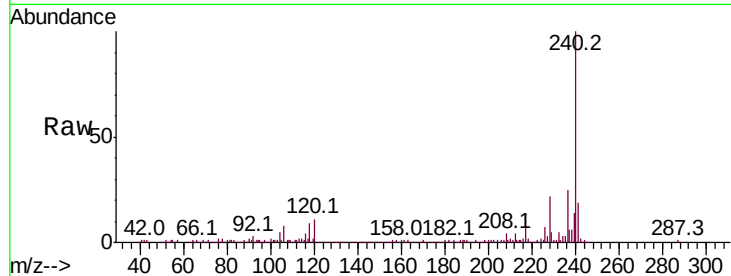
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	156481		
120	10.9	8.3	12.5	
236	24.9	21.2	31.8	

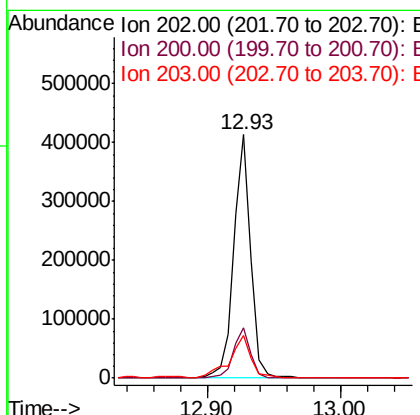
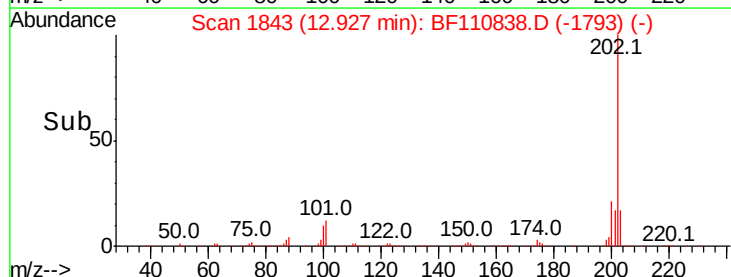
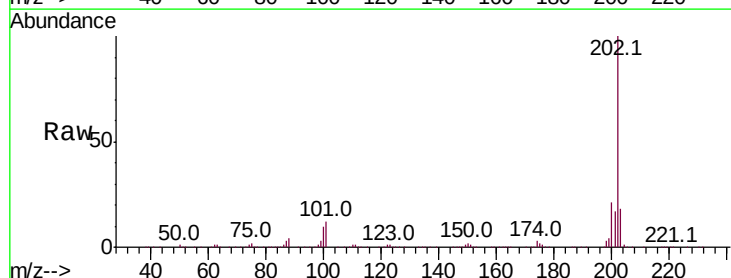
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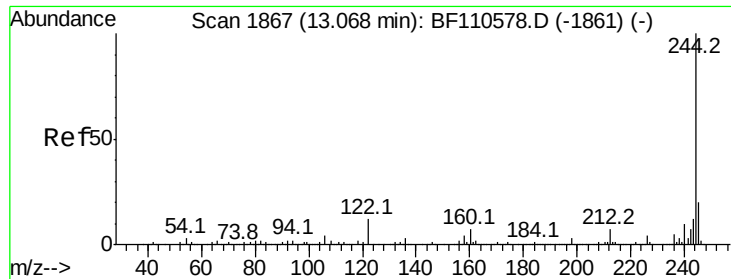
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#78
Pyrene
Concen: 30.470 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	367129		
200	20.8	17.8	26.6	
203	17.8	14.2	21.4	





#79

Terphenyl-d14

Concen: 27.047 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Instrument :

BNA_F

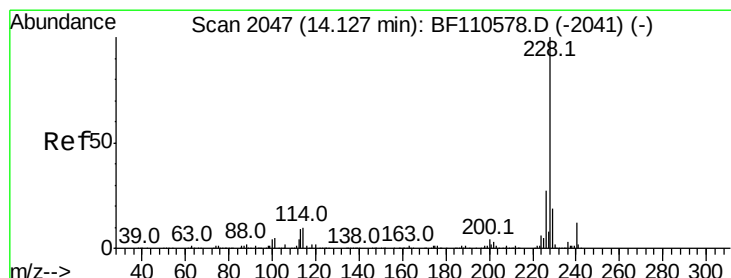
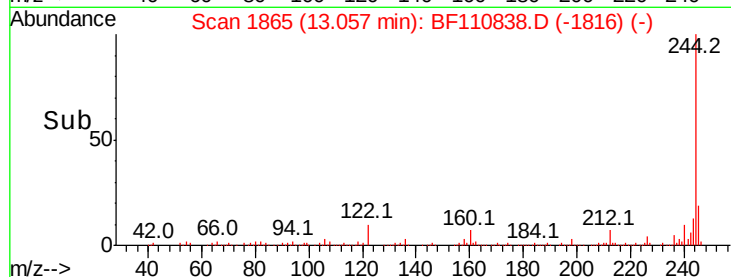
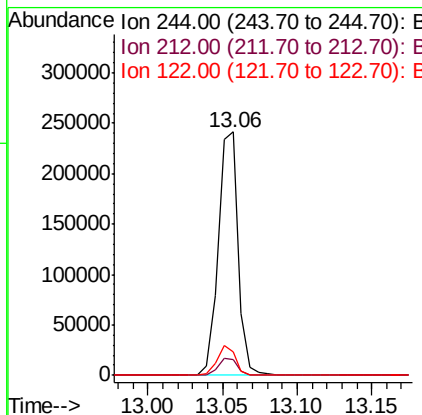
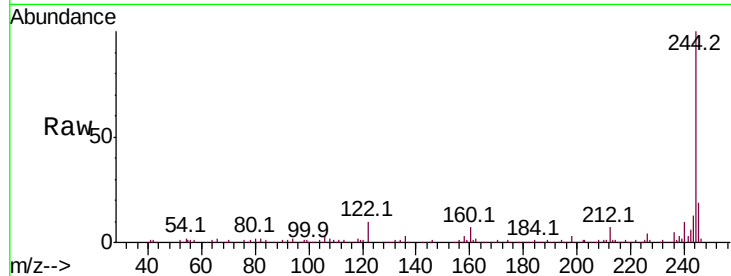
ClientSampleId :

FK-GF-02-028-B

Tot Ion:	244	Resp:	225993
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	9.7	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 20.261 ng

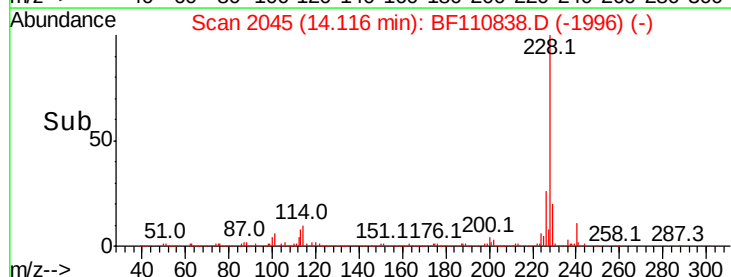
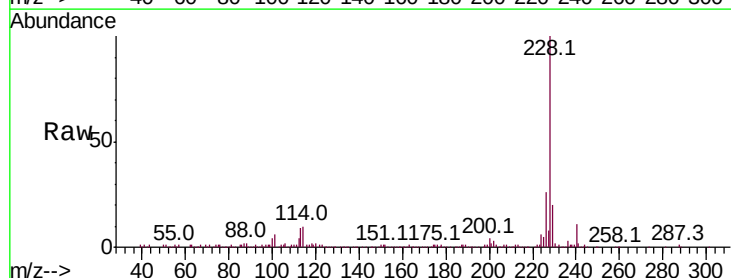
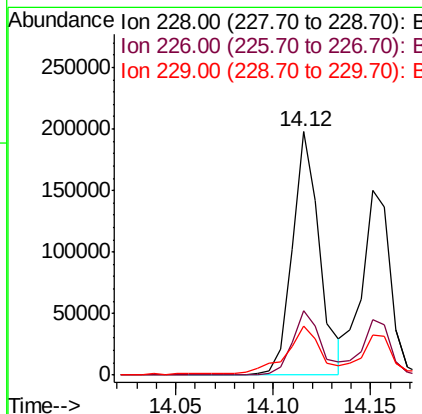
RT: 14.12 min Scan# 2045

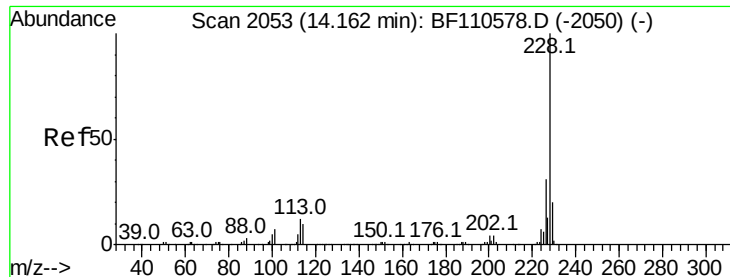
Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Tgt Ion:	228	Resp:	189500
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.1	33.1
229	20.4	15.6	23.4





#83

Chrysene

Concen: 17.073 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Instrument :

BNA_F

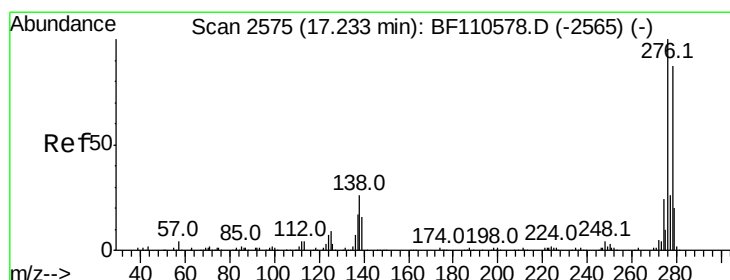
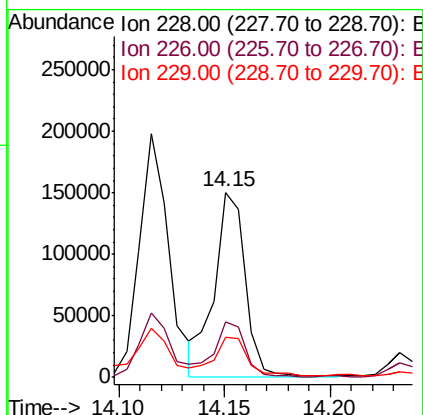
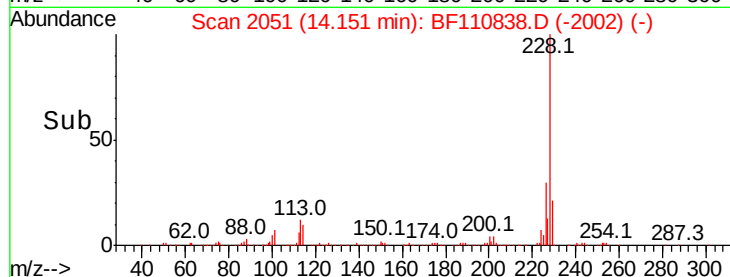
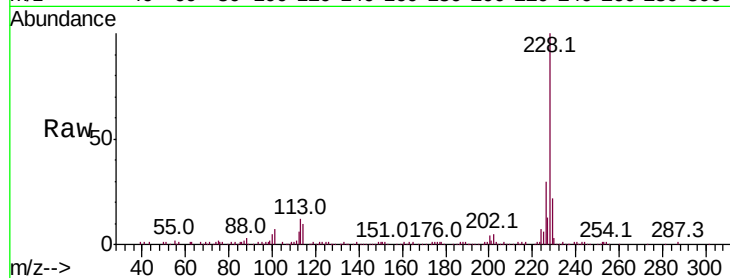
ClientSampleId :

FK-GF-02-028-B

Tot Ion:	228	Resp:	152136
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.7	37.1
229	22.0	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.683 ng

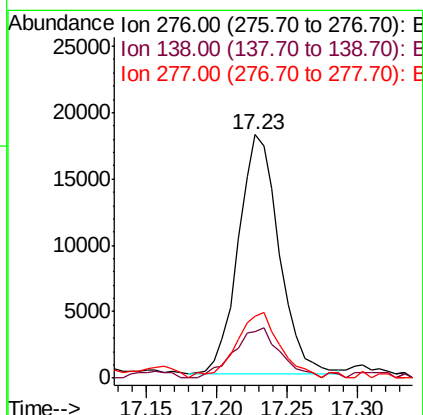
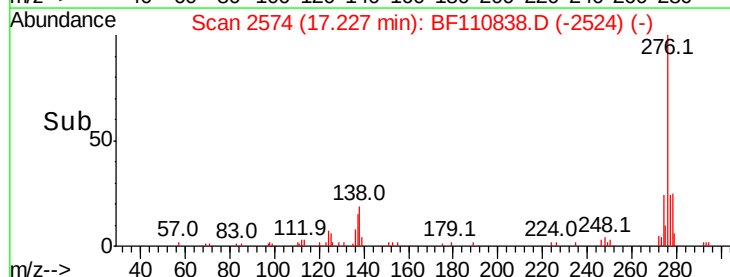
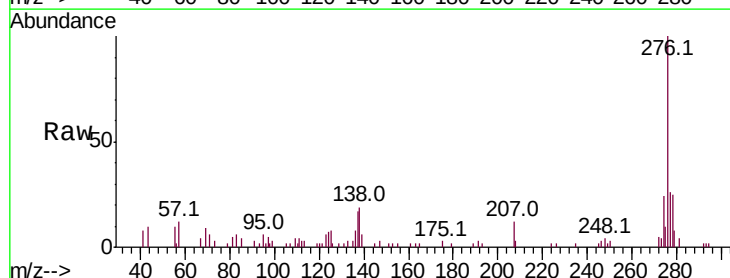
RT: 17.23 min Scan# 2574

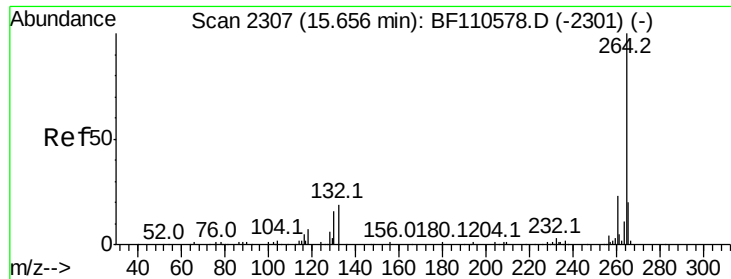
Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Tgt Ion:	276	Resp:	36337
Ion Ratio	Lower	Upper	
276	100		
138	23.7	18.5	27.7
277	29.2	20.0	30.0





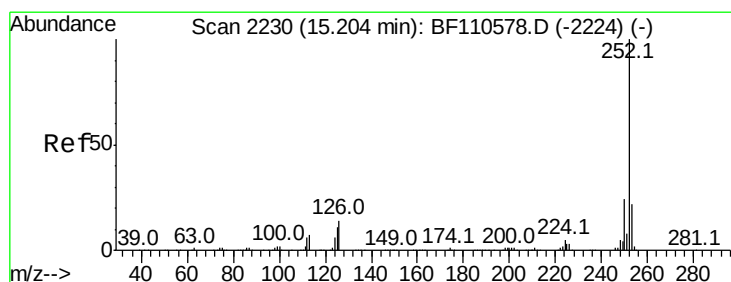
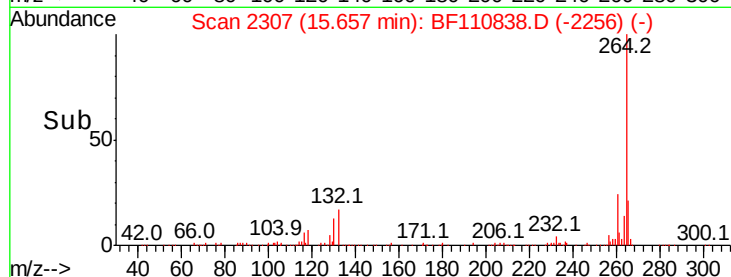
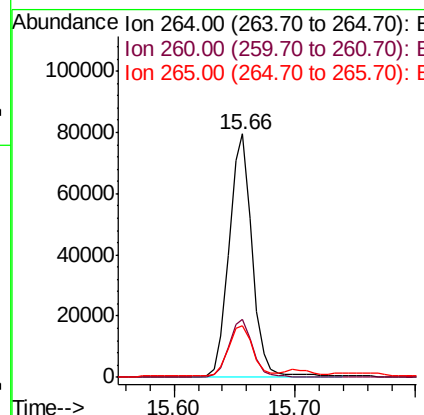
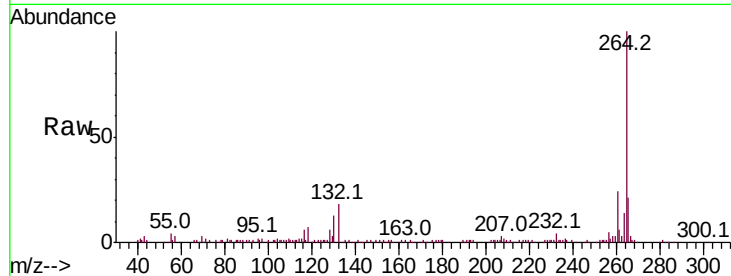
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampled :
FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.1	16.7	25.1

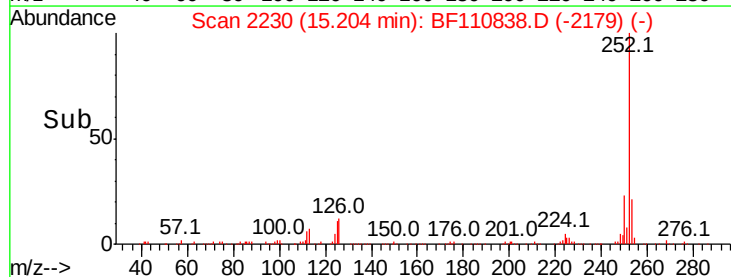
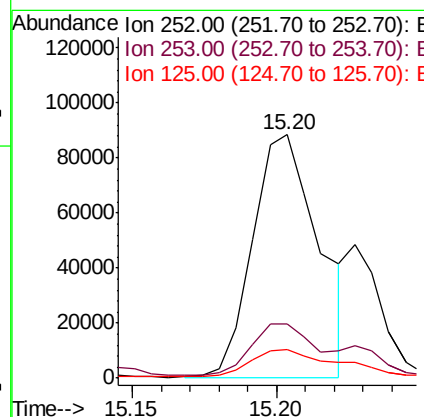
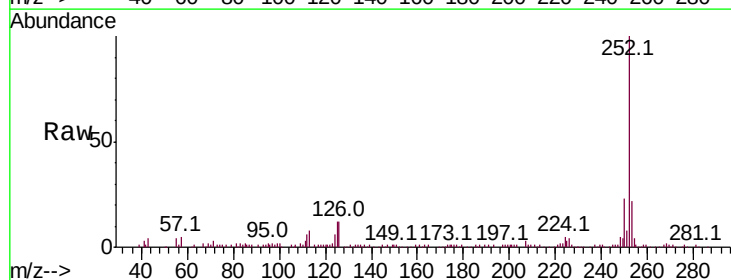
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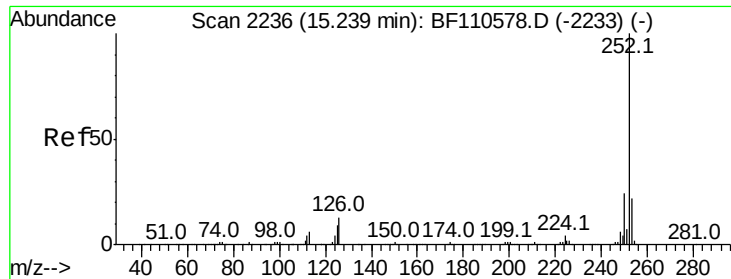
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#88
Benzo(b)fluoranthene
Concen: 22.370 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	11.9	8.2	12.4





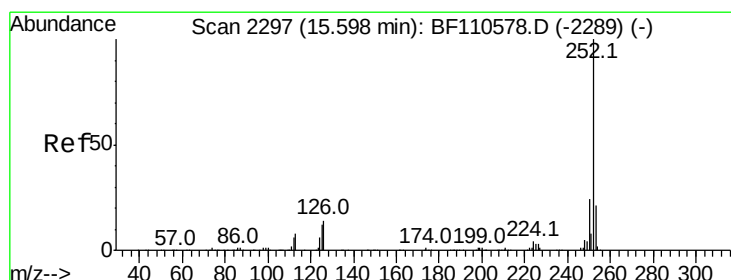
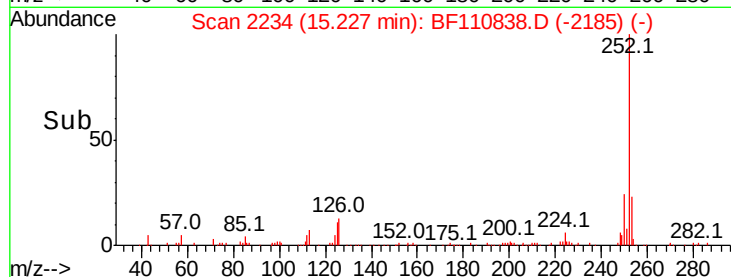
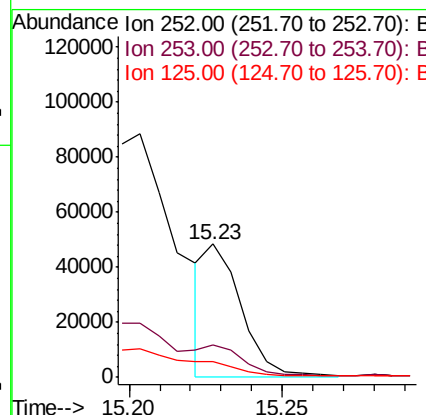
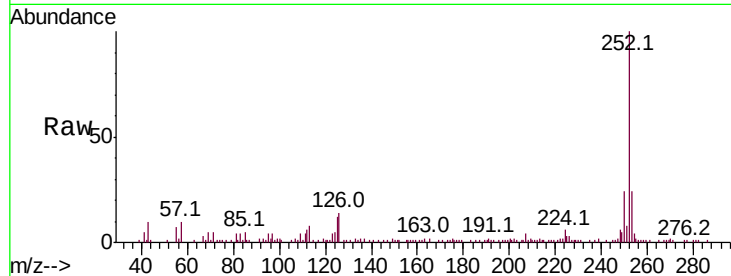
#89
Benzo(k)fluoranthene
Concen: 6.502 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-028-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	11.6	7.4	11.0

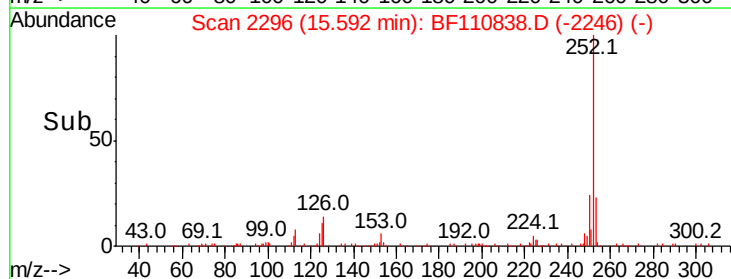
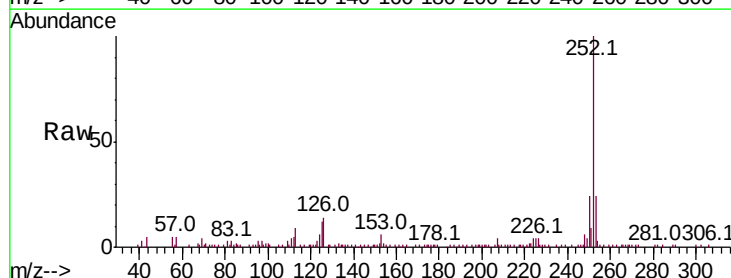
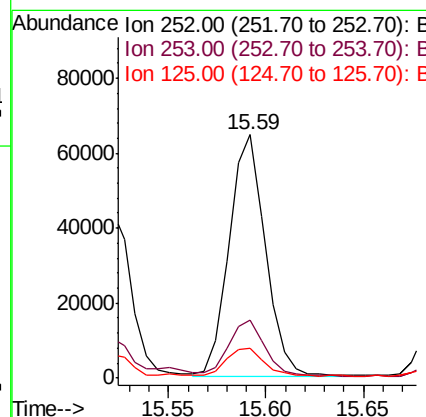
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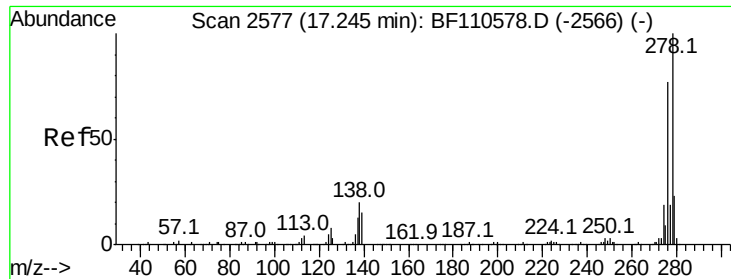
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#90
Benzo(a)pyrene
Concen: 14.563 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110838.D
Acq: 17 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	12.2	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 2.252 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Instrument :

BNA_F

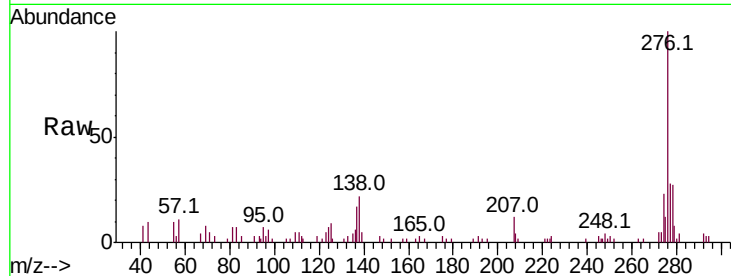
ClientSampleId :

FK-GF-02-028-B

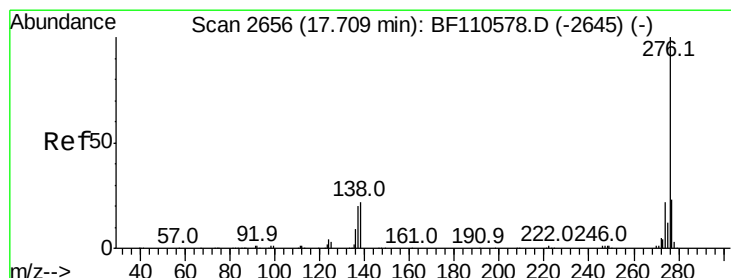
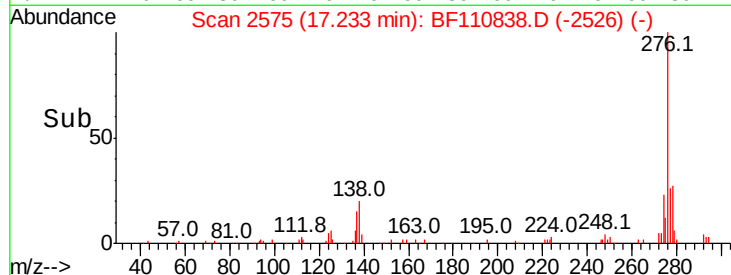
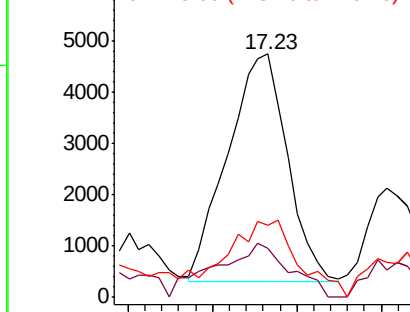
Tot Ion:	278	Resp:	10933
Ion Ratio	Lower	Upper	
278	100		
139	20.1	12.7	19.1#
279	29.5	19.0	28.4#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.135 ng

RT: 17.71 min Scan# 2656

Delta R.T. 0.00 min

Lab File: BF110838.D

Acq: 17 Nov 2018 1:59

Tgt Ion:	276	Resp:	34359
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.8	28.2
138	22.0	16.0	24.0

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

