

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110869.D
 Acq On : 19 Nov 2018 23:24
 Operator : JU/SJ
 Sample : J5970-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
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 11/20/2018 11:07:53 AM

Quant Time: Nov 20 05:56:10 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	61714	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	240263	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	98852	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	156258	20.00	ng	0.00
76) Chrysene-d12	14.13	240	130035	20.00	ng	0.00
87) Perylene-d12	15.67	264	82714	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	389997	102.65	ng	0.00
7) Phenol-d6	6.57	99	491725	101.21	ng	0.00
23) Nitrobenzene-d5	7.50	82	307574	73.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	87117	87.46	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	531989	76.86	ng	0.00
79) Terphenyl-d14	13.06	244	408597	58.85	ng	0.00
Target Compounds						
10) Phenol	6.58	94	25791	4.578	ng	Qvalue # 78
50) Dimethylphthalate	9.69	163	110240	14.946	ng	99
71) Phenanthrene	11.50	178	73822	8.818	ng	97
72) Anthracene	11.56	178	25589	3.030	ng	98
75) Fluoranthene	12.70	202	138907	16.550	ng	99
78) Pyrene	12.93	202	125405	12.525	ng	97
81) Benzo(a)anthracene	14.12	228	66310	8.532	ng	98
83) Chrysene	14.16	228	54394	7.346	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	20683	3.892	ng	95
88) Benzo(b)fluoranthene	15.21	252	51554m	10.419	ng	
89) Benzo(k)fluoranthene	15.23	252	19247m	3.936	ng	
90) Benzo(a)pyrene	15.60	252	36684	8.160	ng	# 97
92) Benzo(a,h,i)perylene	17.74	276	19773	5.238	ng	# 89

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

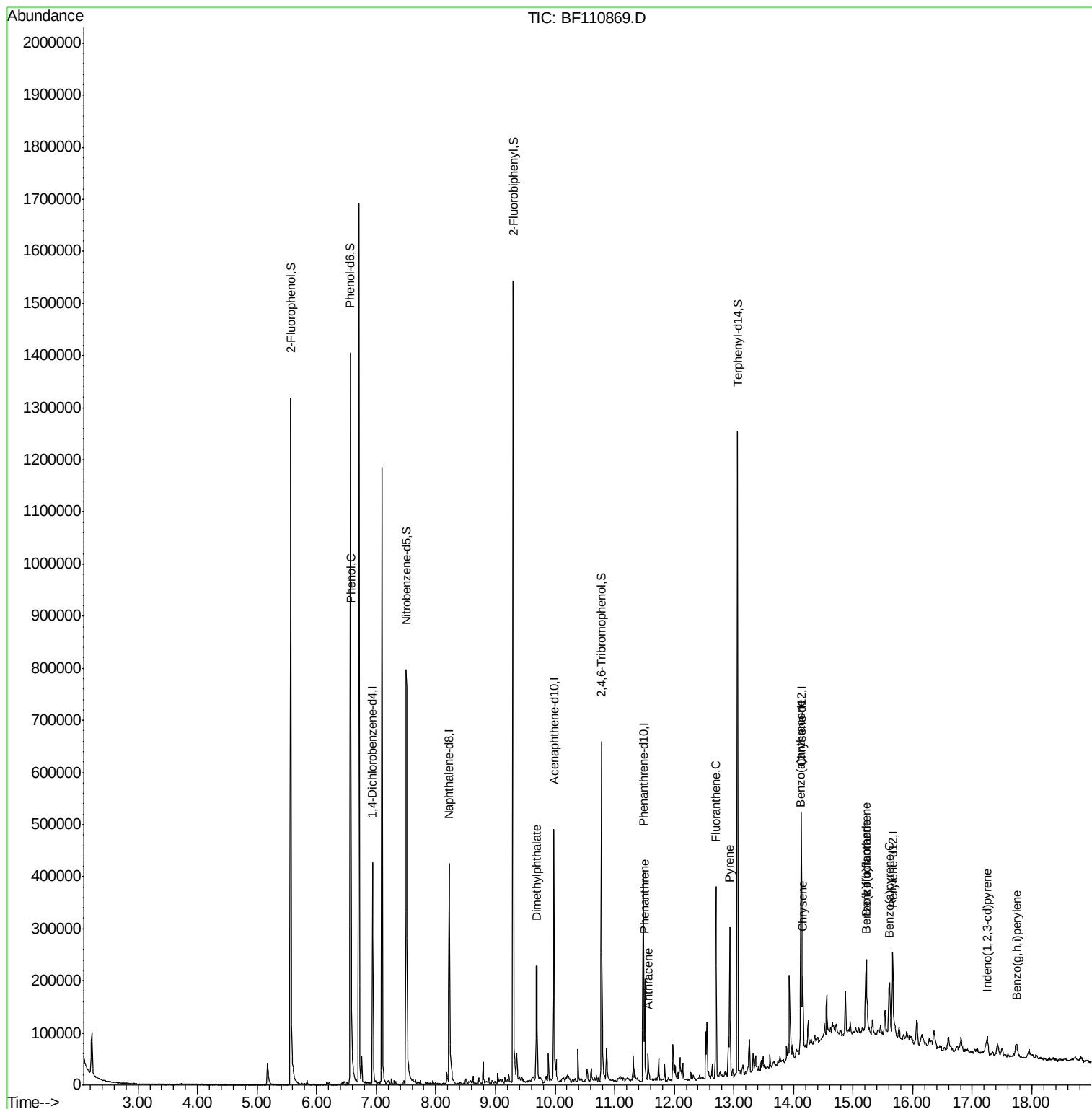
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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ALS Vial : 26 Sample Multiplier: 1

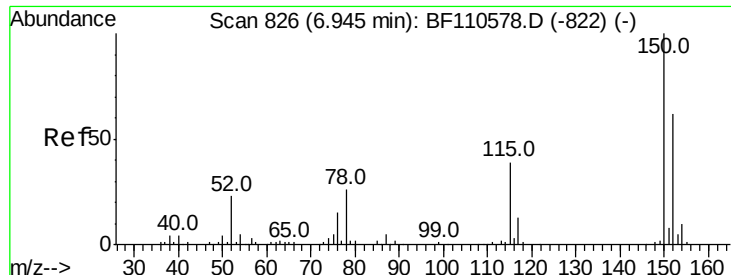
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
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#1

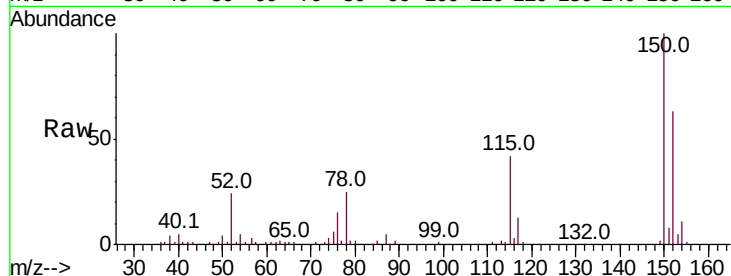
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	65.6	49.1	73.7

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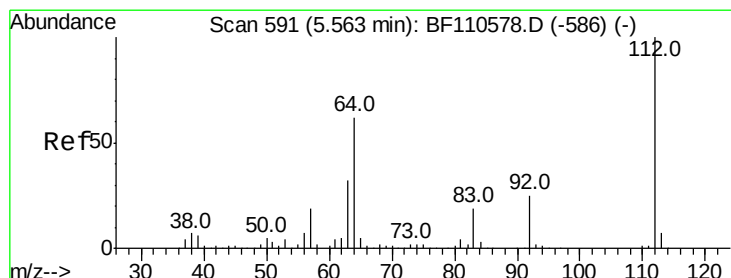
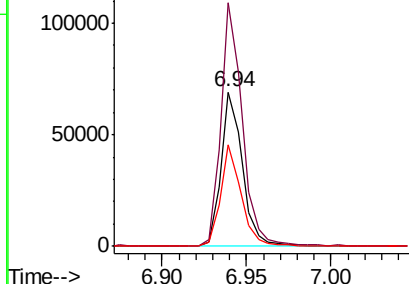
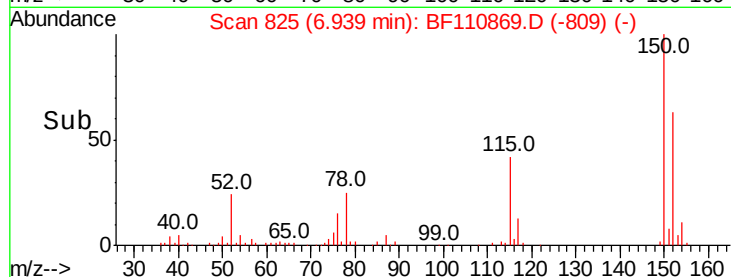


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

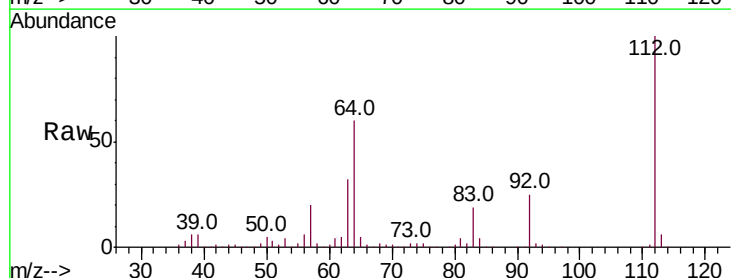
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.647 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	44.1	66.1
63	32.4	23.7	35.5

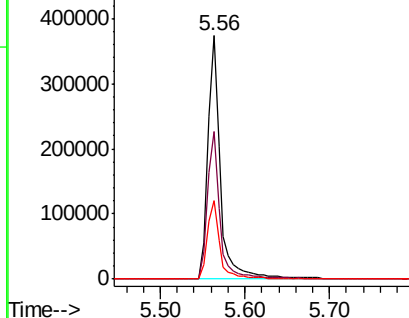
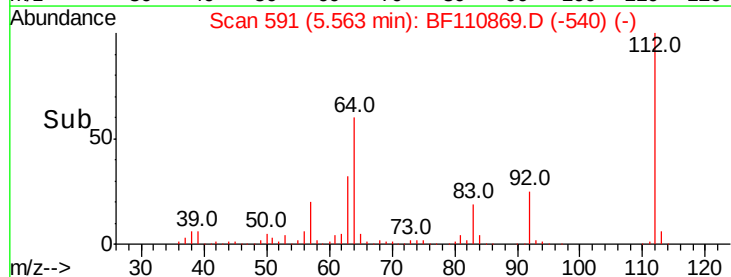


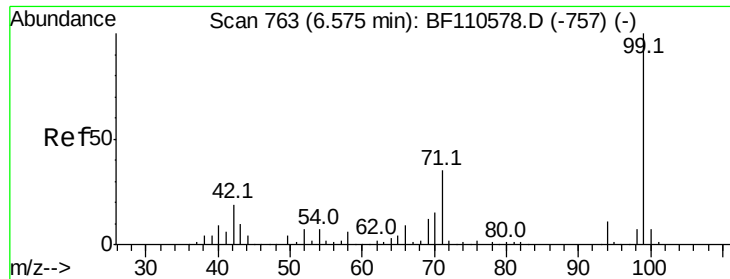
Abundance

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: 101.209 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

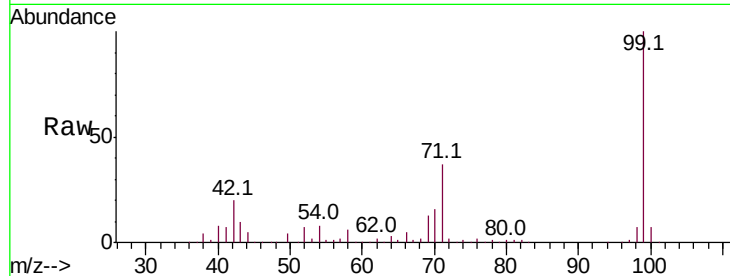
ClientSampleId :

FK-GF-02-028-A

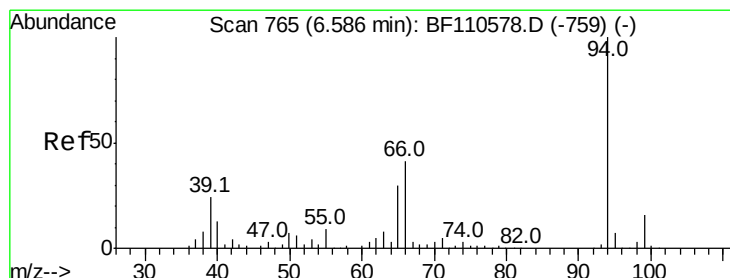
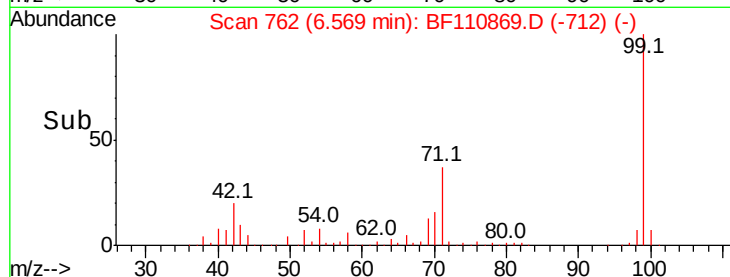
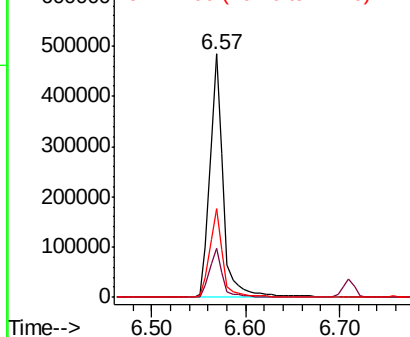
Tot Ion:	99	Resp:	491725
Ion Ratio	Lower	Upper	
99	100		
42	20.4	15.8	23.6
71	36.6	28.0	42.0

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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: 4.578 ng

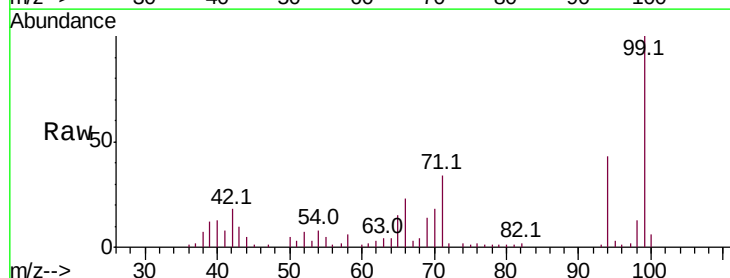
RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

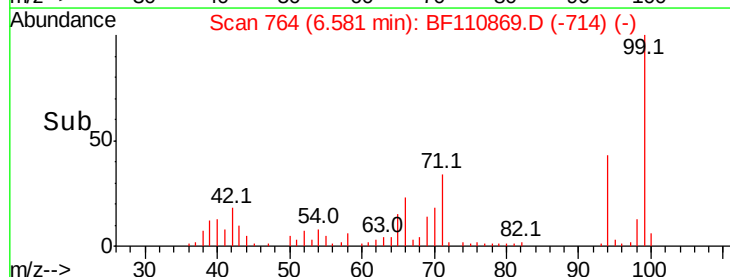
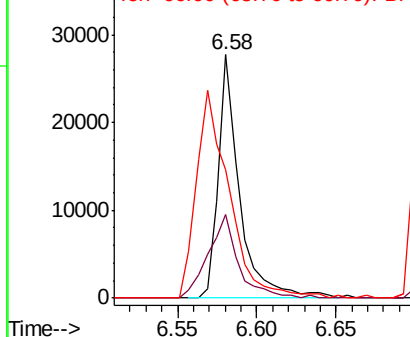
Lab File: BF110869.D

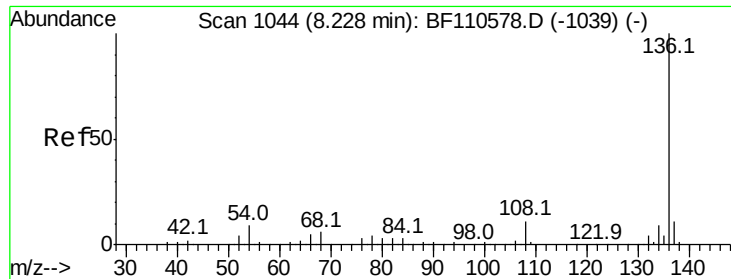
Acq: 19 Nov 2018 23:24

Tgt Ion:	94	Resp:	25791
Ion Ratio	Lower	Upper	
94	100		
65	34.3	25.3	65.3
66	52.7	54.5	94.5#



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





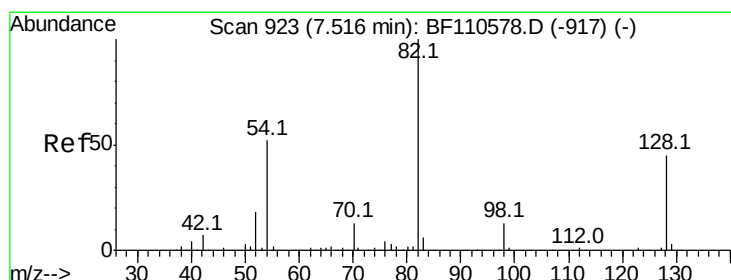
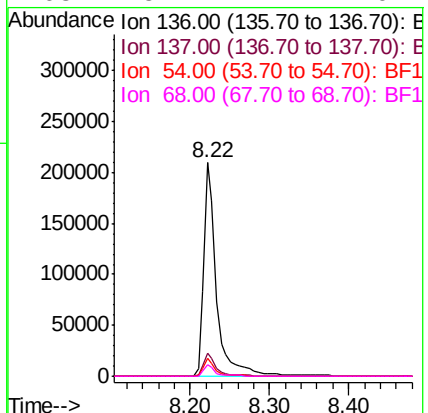
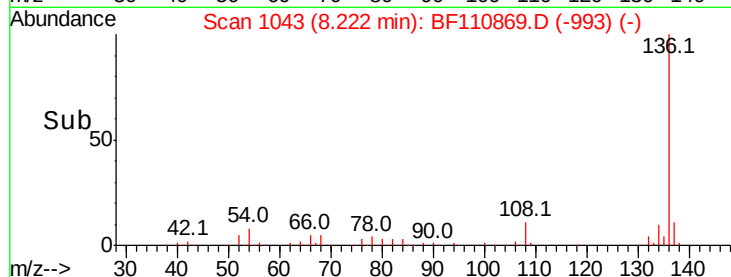
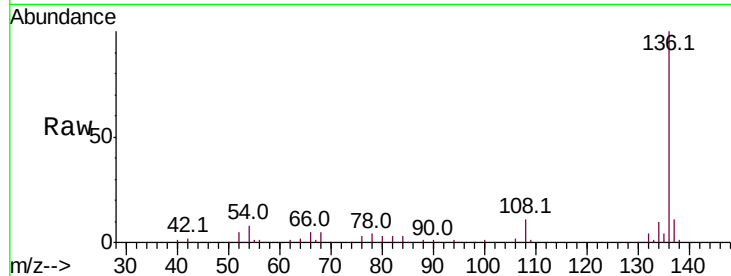
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

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

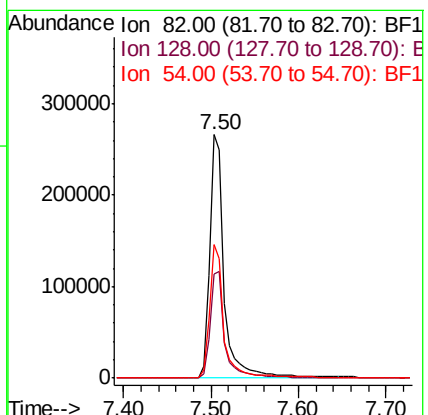
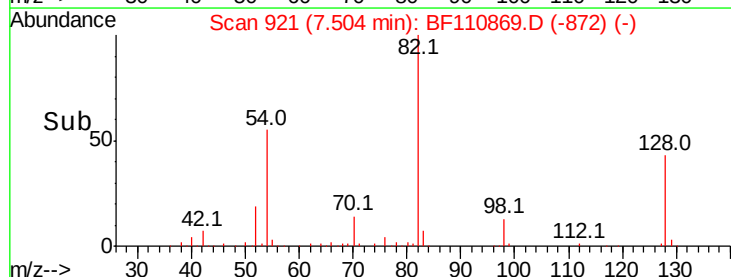
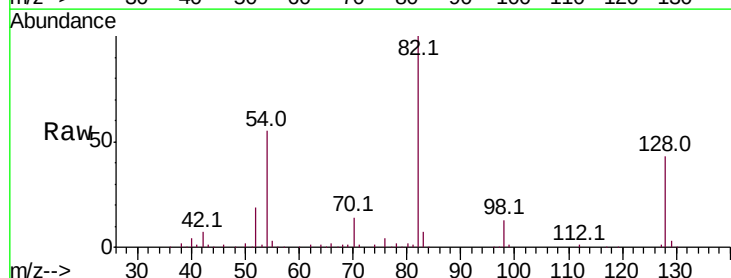
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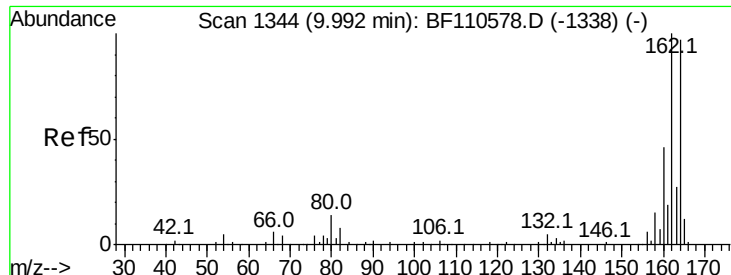
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#23
Nitrobenzene-d5
Concen: 73.724 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.8	34.2	51.2	
54	55.1	38.6	58.0	





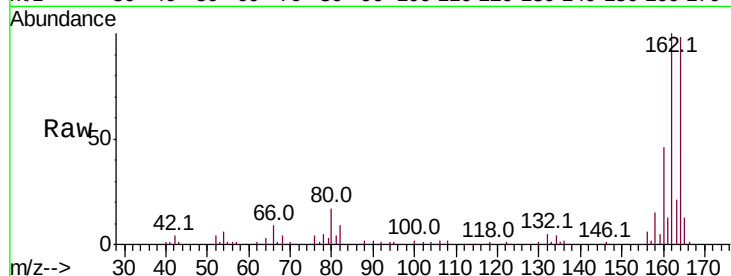
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

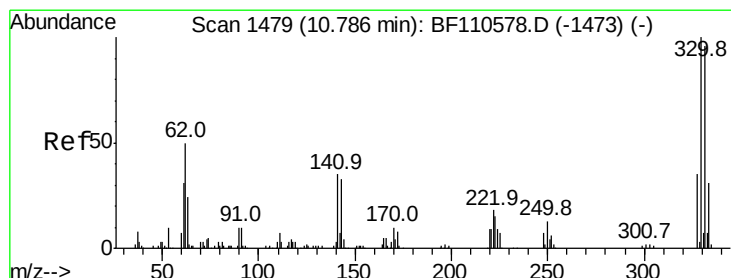
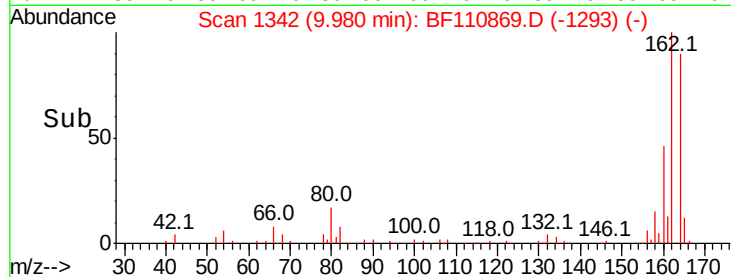
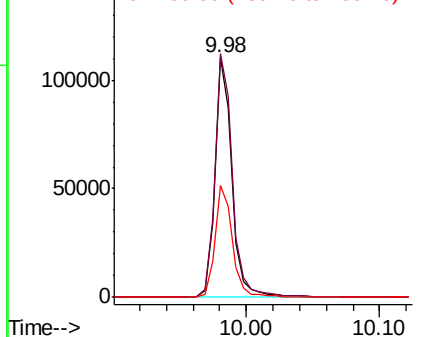
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.0	124.6
160	46.4	37.0	55.6

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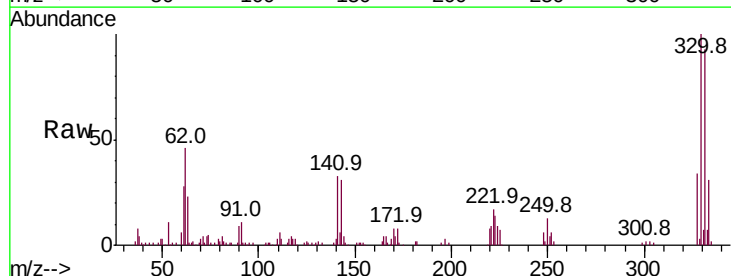


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

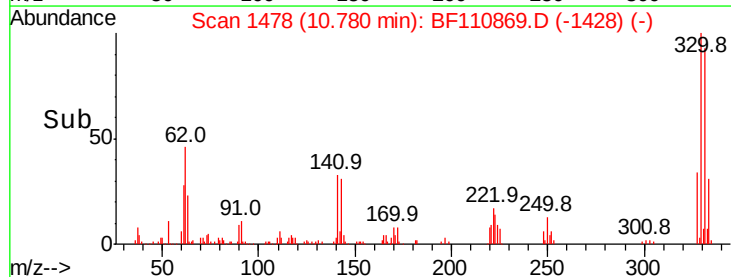
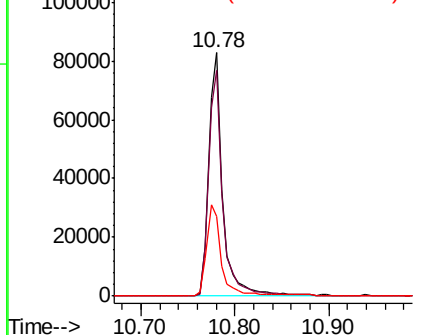


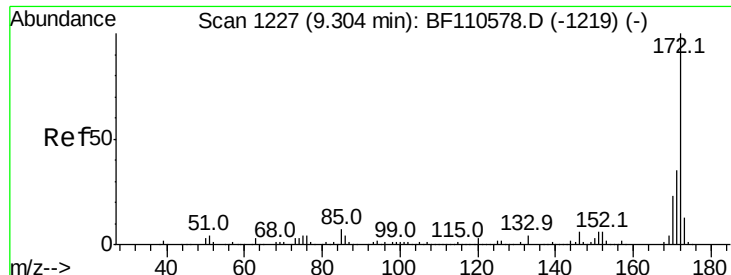
#42
2,4,6-Tribromophenol
Concen: 87.462 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.1	115.7
141	38.8	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





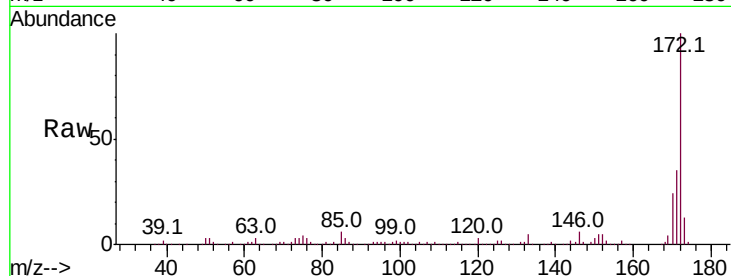
#45
2-Fluorobiphenyl
Concen: 76.860 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Instrument :
BNA_F
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FK-GF-02-028-A

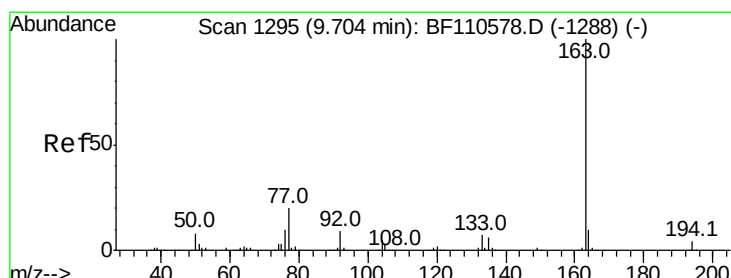
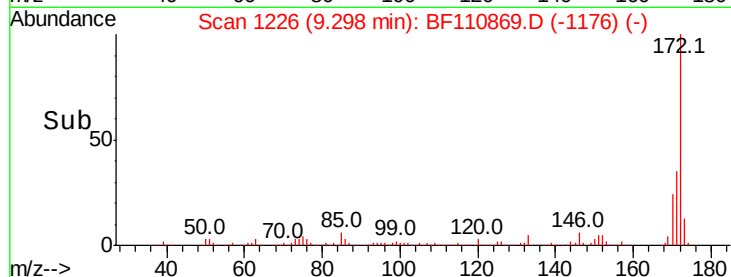
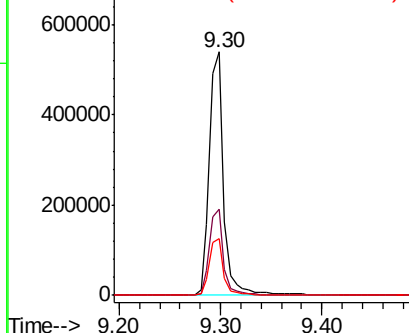
Tot Ion	Ratio	Resp	Lower	Upper
172	100	531989		
171	35.5		28.6	43.0
170	23.6		19.7	29.5

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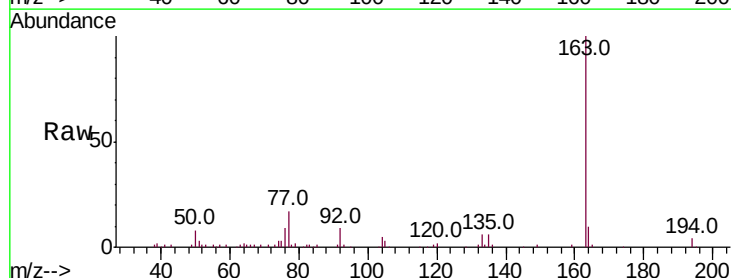


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

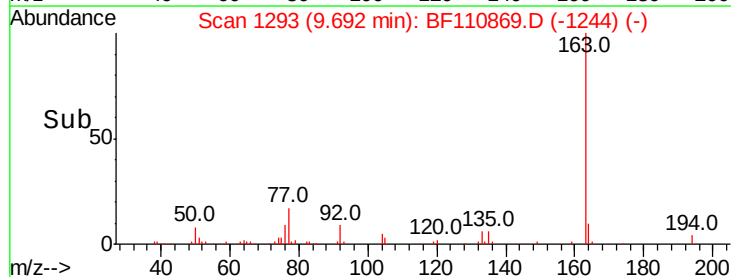
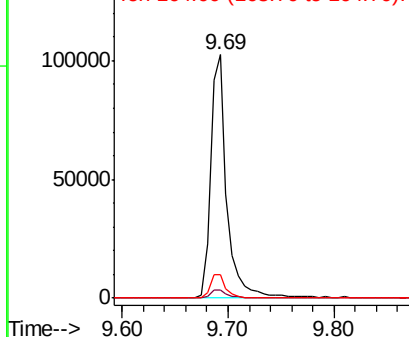


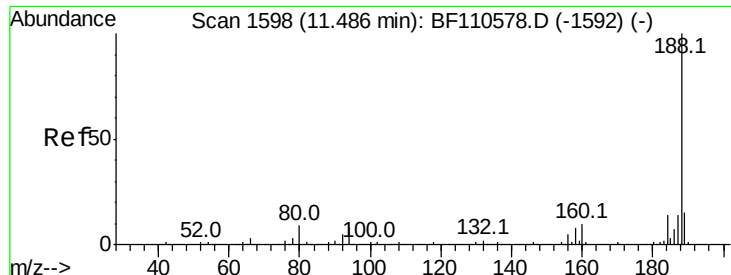
#50
Dimethylphthalate
Concen: 14.946 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	110240		
194	3.6		3.2	4.8
164	9.5		8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





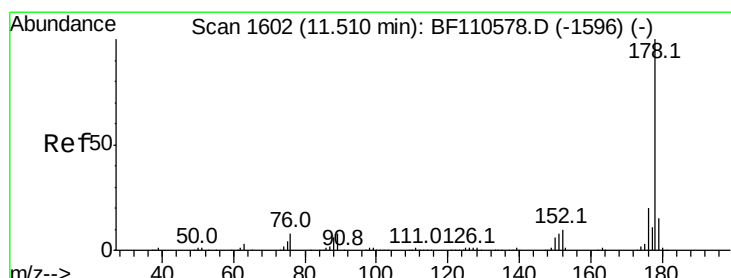
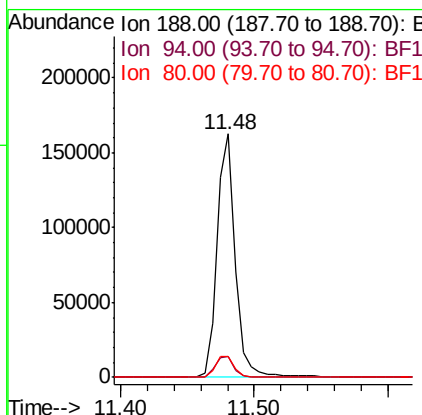
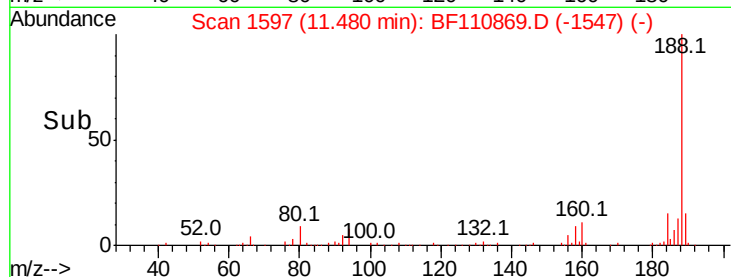
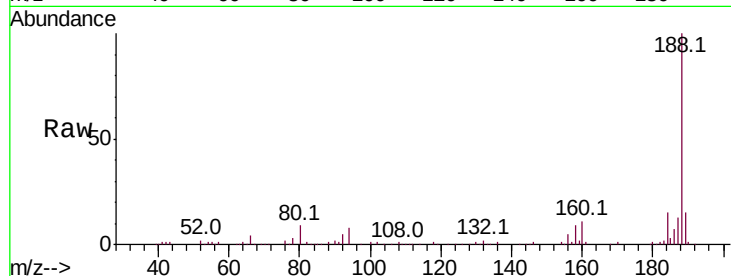
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	156258		
94	8.3		7.2	10.8
80	8.7		7.9	11.9

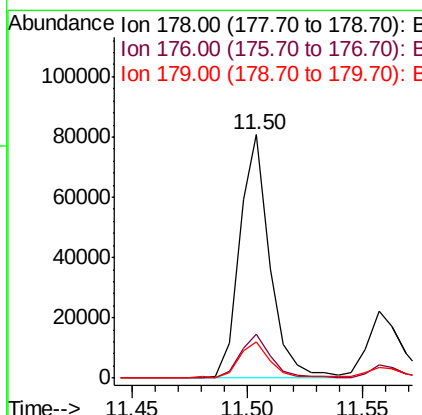
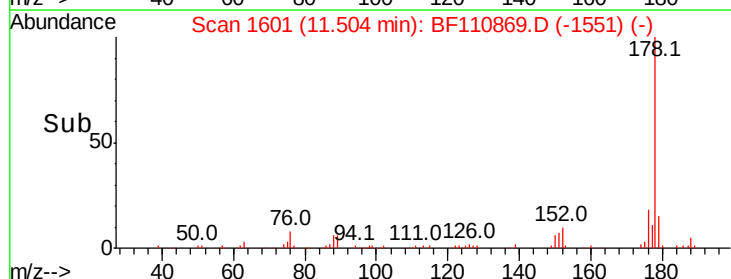
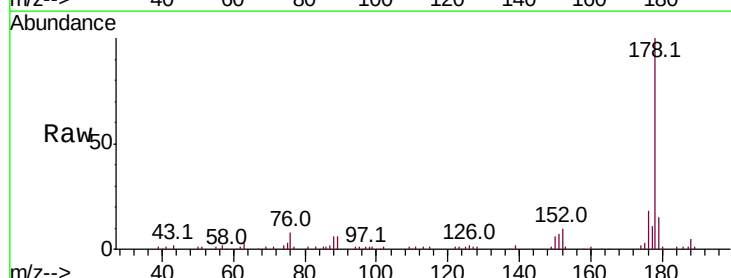
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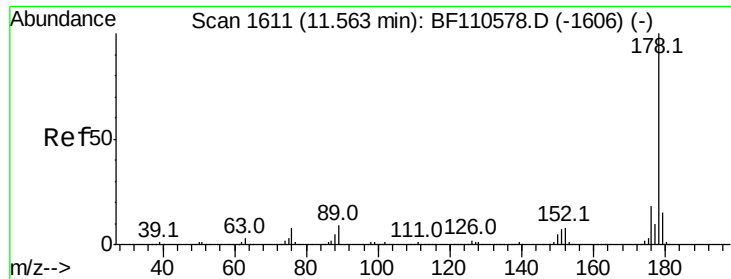
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#71
Phenanthrene
Concen: 8.818 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	73822		
176	18.1		15.5	23.3
179	14.7		12.5	18.7





#72

Anthracene

Concen: 3.030 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-028-A

Tot Ion:178 Resp: 25589

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

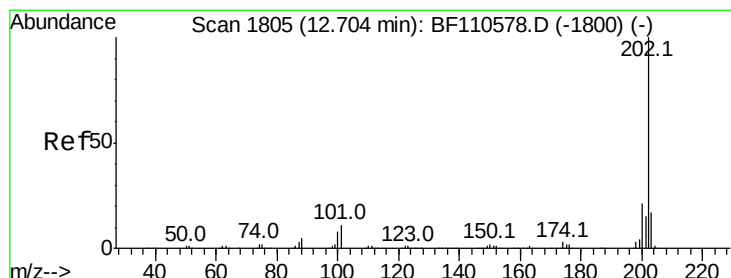
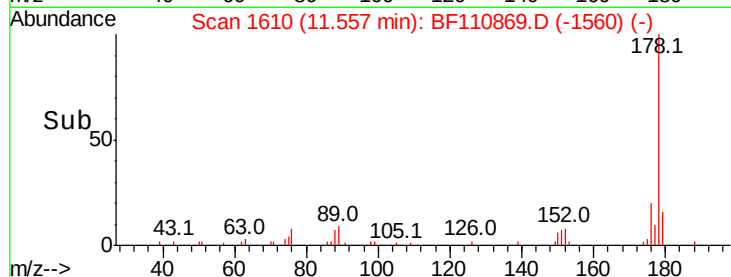
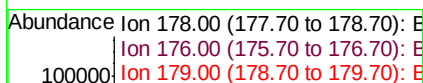
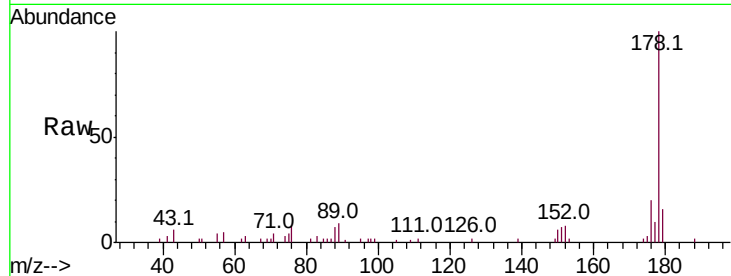
179 15.9 12.6 18.8

Manual Integrations

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#75

Fluoranthene

Concen: 16.550 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110869.D

Acq: 19 Nov 2018 23:24

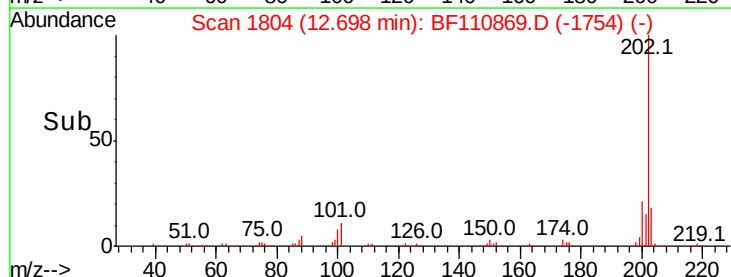
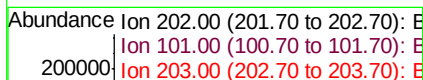
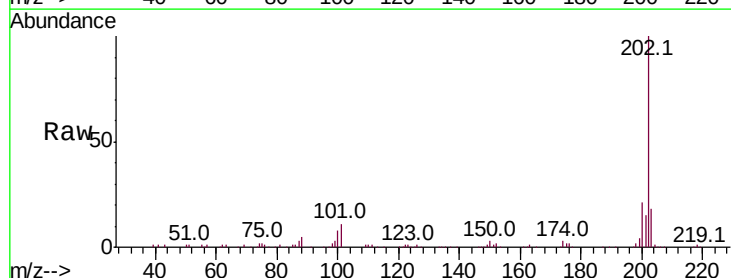
Tgt Ion:202 Resp: 138907

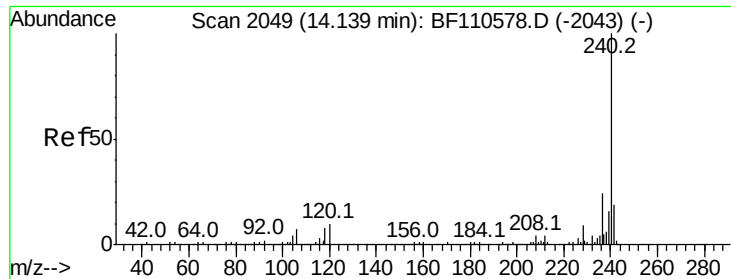
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

203 17.6 0.0 37.7





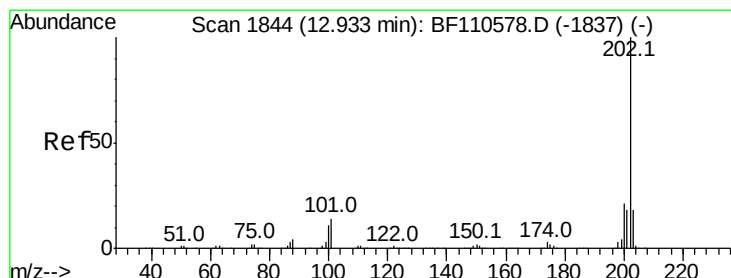
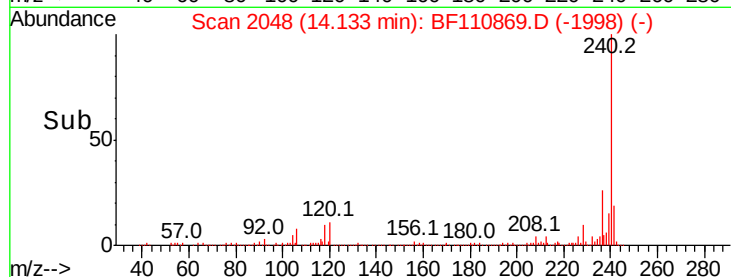
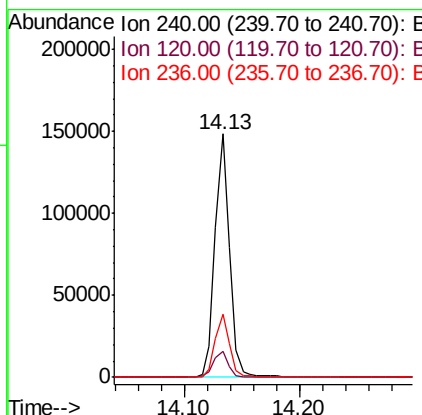
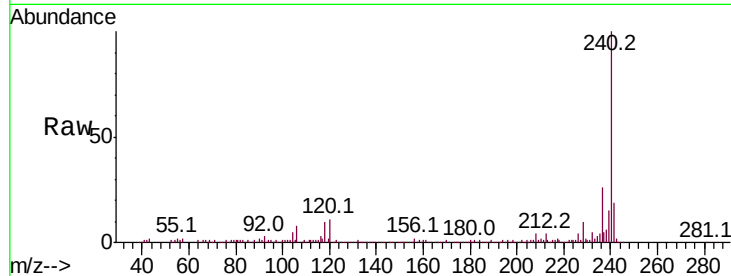
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	8.3	12.5
236	25.8	21.2	31.8

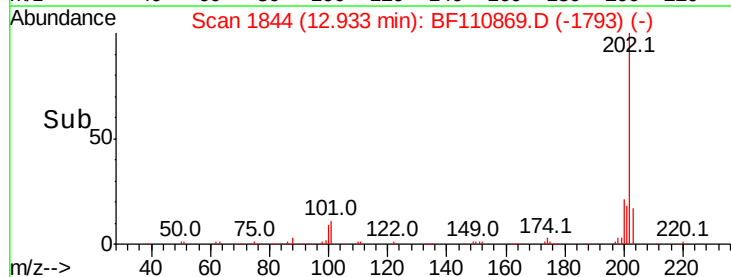
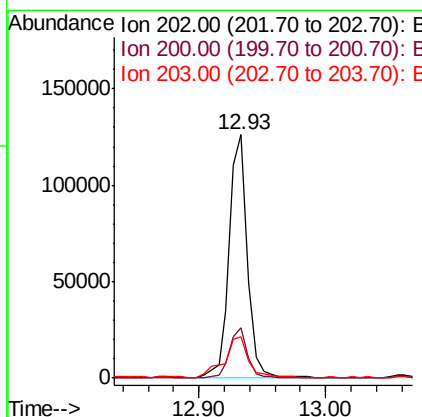
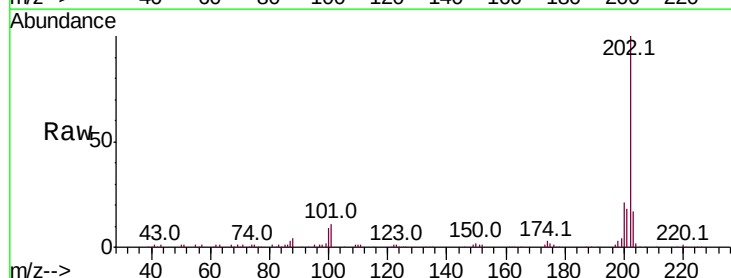
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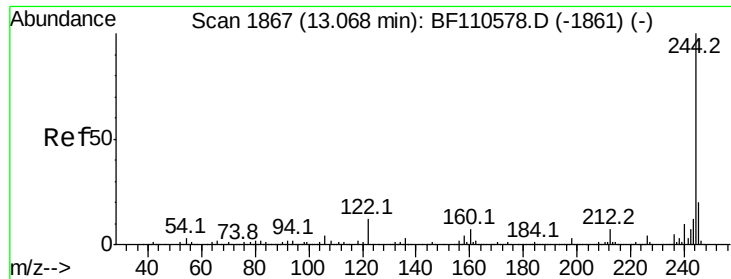
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#78
 Pyrene
 Concen: 12.525 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.2	14.2	21.4





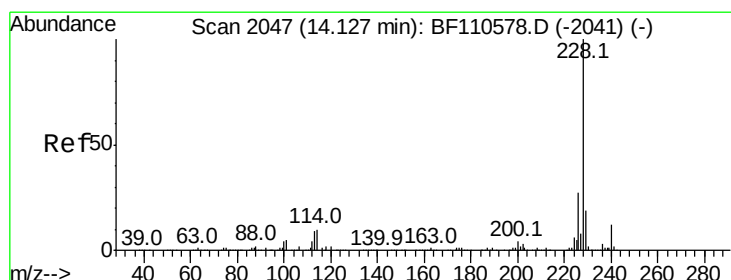
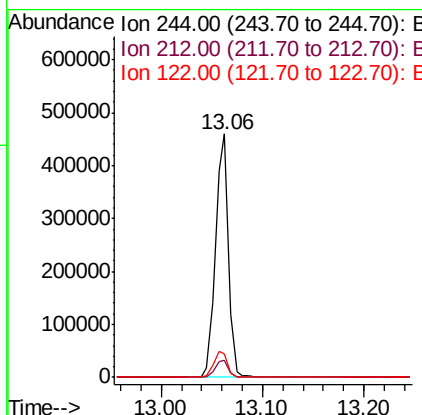
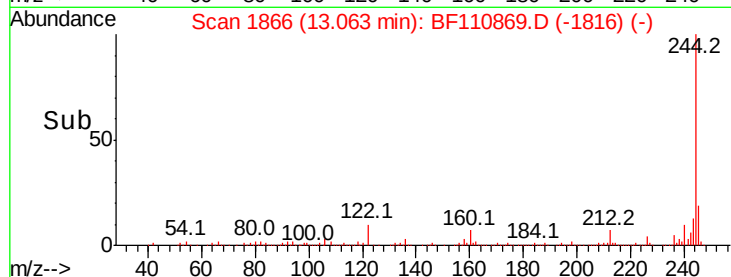
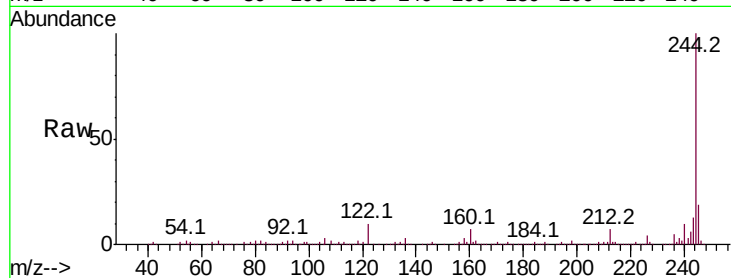
#79
 Terphenyl-d14
 Concen: 58.846 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.8	8.8	
122	9.8	8.7	13.1	

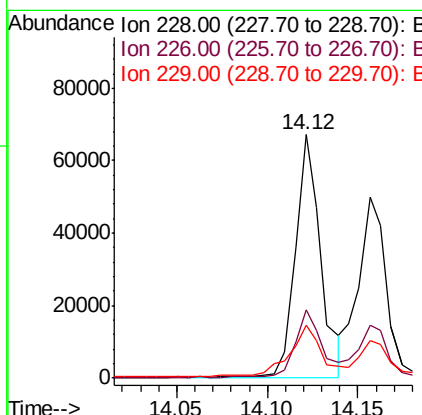
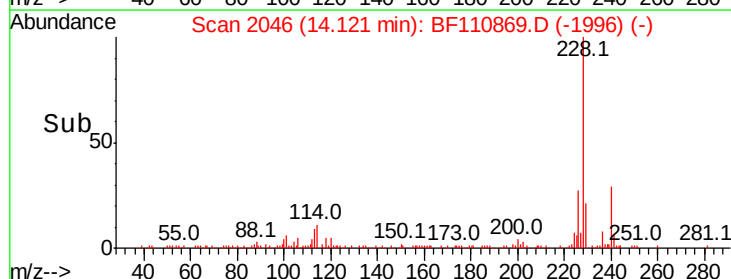
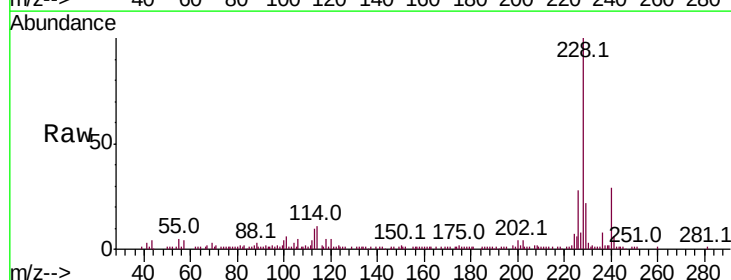
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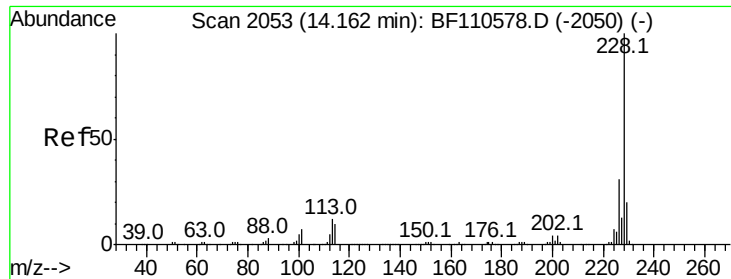
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#81
 Benzo(a)anthracene
 Concen: 8.532 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.0	22.1	33.1	
229	21.8	15.6	23.4	





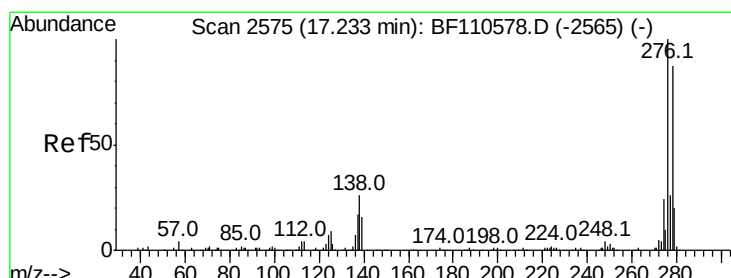
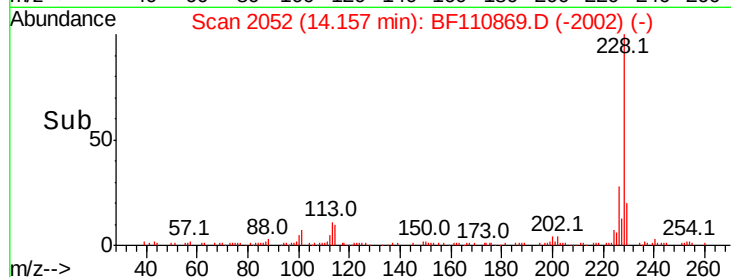
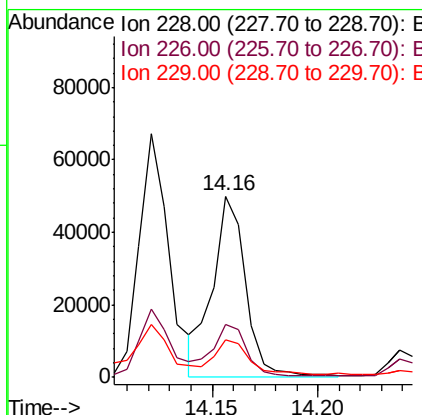
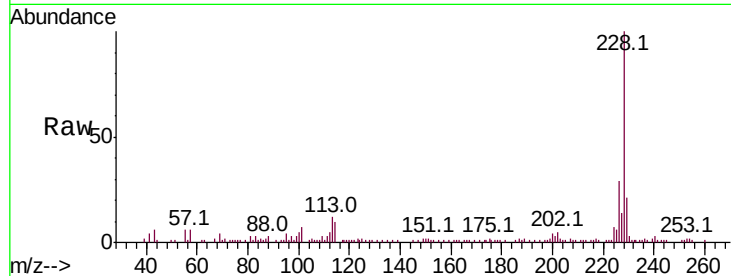
#83
Chrysene
Concen: 7.346 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

Tot Ion:228	Resp:	54394
Ion Ratio	Lower	Upper
228 100		
226 29.3	24.7	37.1
229 21.0	15.9	23.9

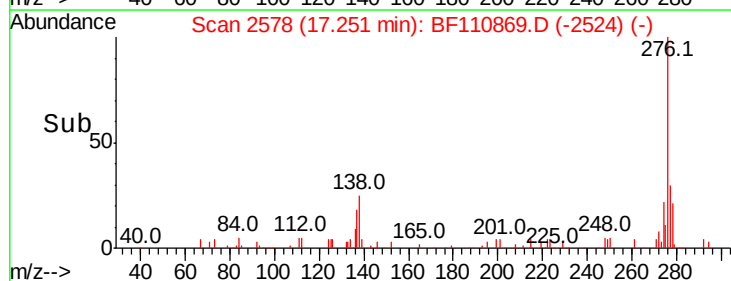
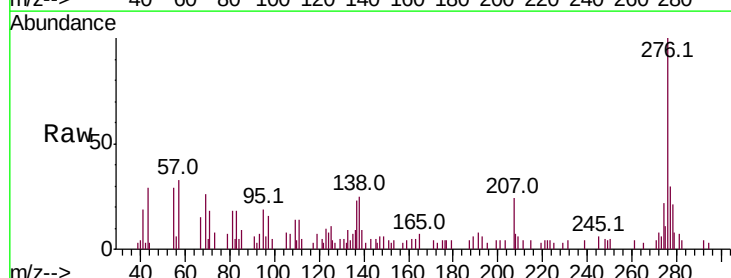
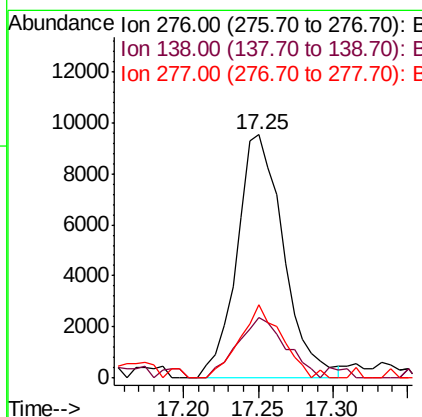
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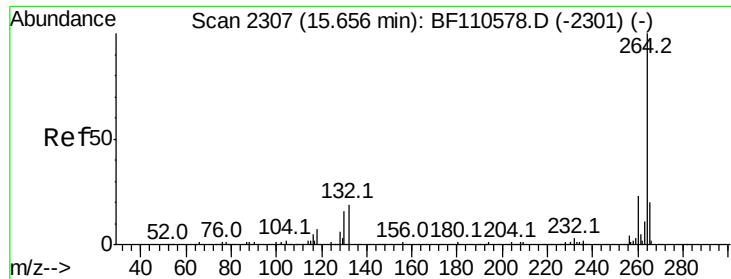
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.892 ng
RT: 17.25 min Scan# 2578
Delta R.T. 0.02 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion:276	Resp:	20683
Ion Ratio	Lower	Upper
276 100		
138 25.8	18.5	27.7
277 27.0	20.0	30.0





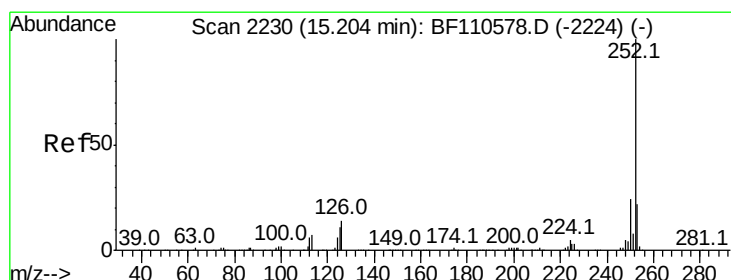
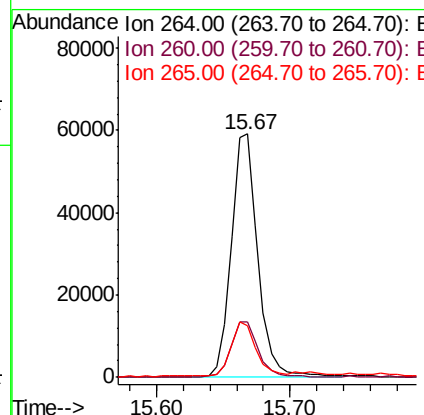
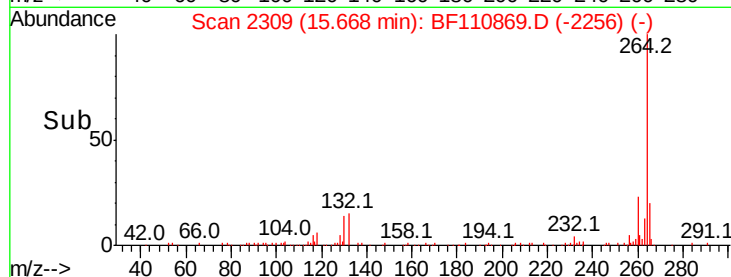
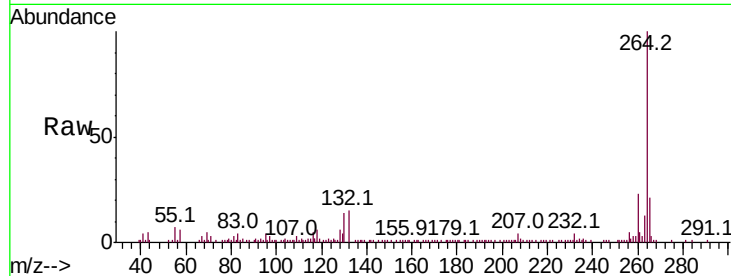
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	21.1	16.7	25.1

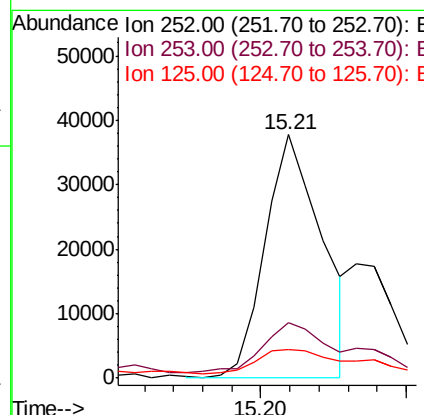
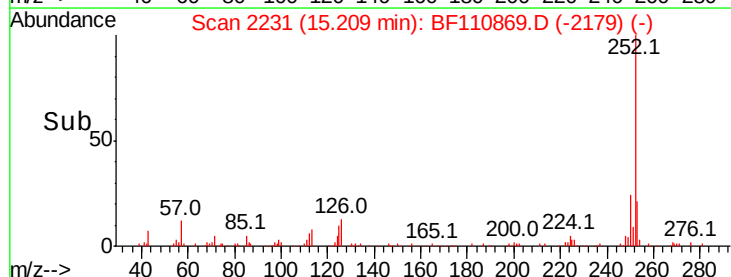
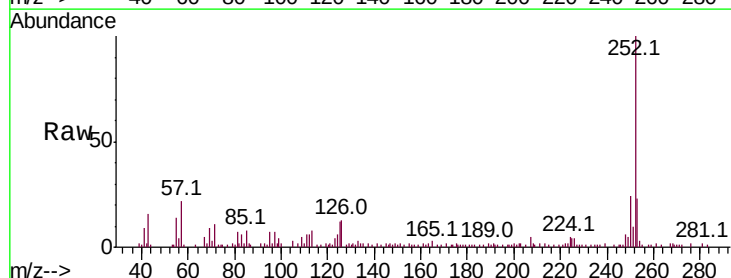
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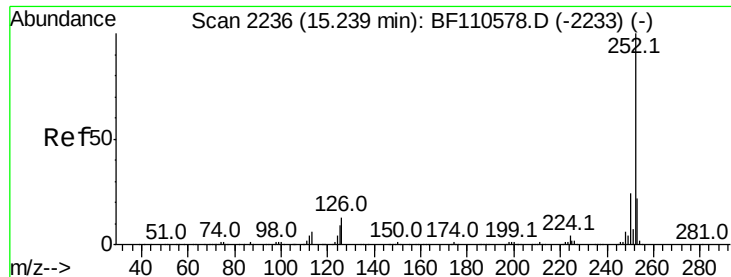
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#88
Benzo(b)fluoranthene
Concen: 10.419 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.7	8.2	12.4





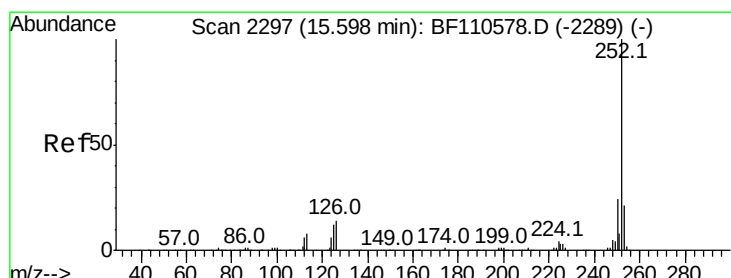
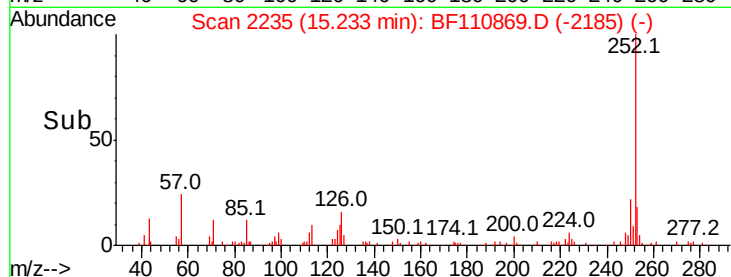
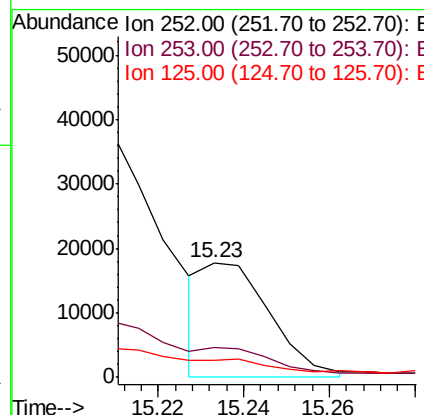
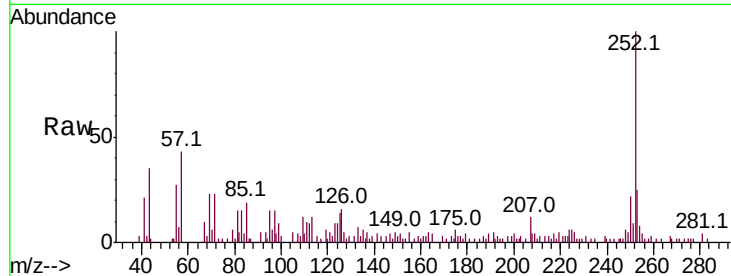
#89
Benzo(k)fluoranthene
Concen: 3.936 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	14.3	7.4	11.0#

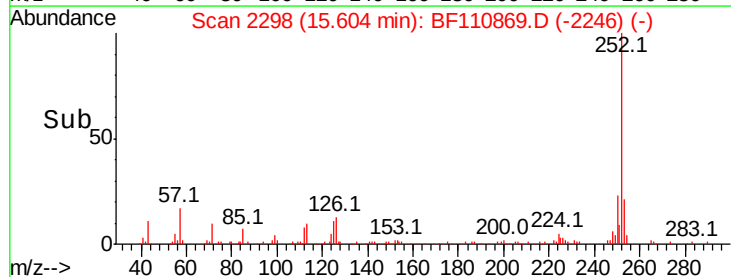
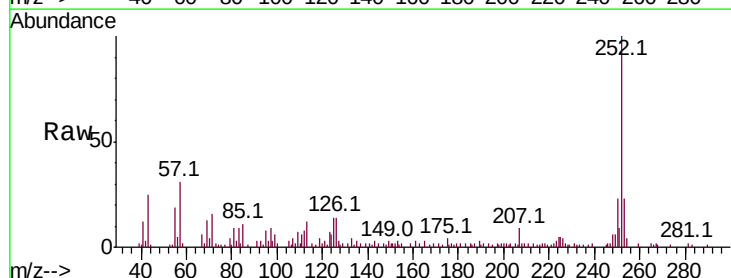
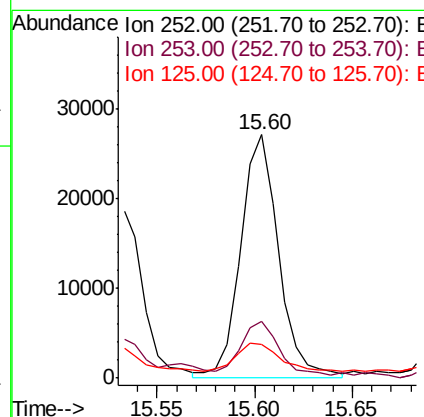
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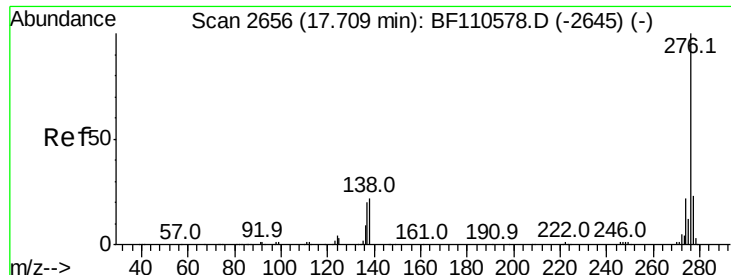
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#90
Benzo(a)pyrene
Concen: 8.160 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110869.D
Acq: 19 Nov 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	13.7	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 5.238 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. 0.03 min
 Lab File: BF110869.D
 Acq: 19 Nov 2018 23:24

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.8	28.2
138	27.2	16.0	24.0

Manual Integrations
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