

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110837.D
 Acq On : 17 Nov 2018 1:32
 Operator : JU/SJ
 Sample : J5970-01 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 11/19/2018 11:56:11 AM

Quant Time: Nov 17 03:47:44 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	61047	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	253262	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	112177	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	181703	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	147996	20.00	ng	-0.01
87) Perylene-d12	15.66	264	109300	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	185585	49.38	ng	0.00
7) Phenol-d6	6.56	99	247339	51.46	ng	-0.01
23) Nitrobenzene-d5	7.50	82	154463	35.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	45336	40.11	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	293050	37.31	ng	-0.01
79) Terphenyl-d14	13.06	244	213282	26.99	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	234	Below Cal		Qvalue # 1
10) Phenol	6.57	94	13012	2.335	ng	89
50) Dimethylphthalate	9.69	163	56220	6.717	ng	99
71) Phenanthrene	11.50	178	40769	4.188	ng	97
75) Fluoranthene	12.70	202	71193	7.295	ng	96
78) Pyrene	12.93	202	62944	5.524	ng	98
81) Benzo(a)anthracene	14.12	228	35895	4.058	ng	97
83) Chrysene	14.15	228	30979	3.676	ng	96
88) Benzo(b)fluoranthene	15.20	252	34494m	5.275	ng	
90) Benzo(a)pyrene	15.59	252	23603	3.973	ng	97

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

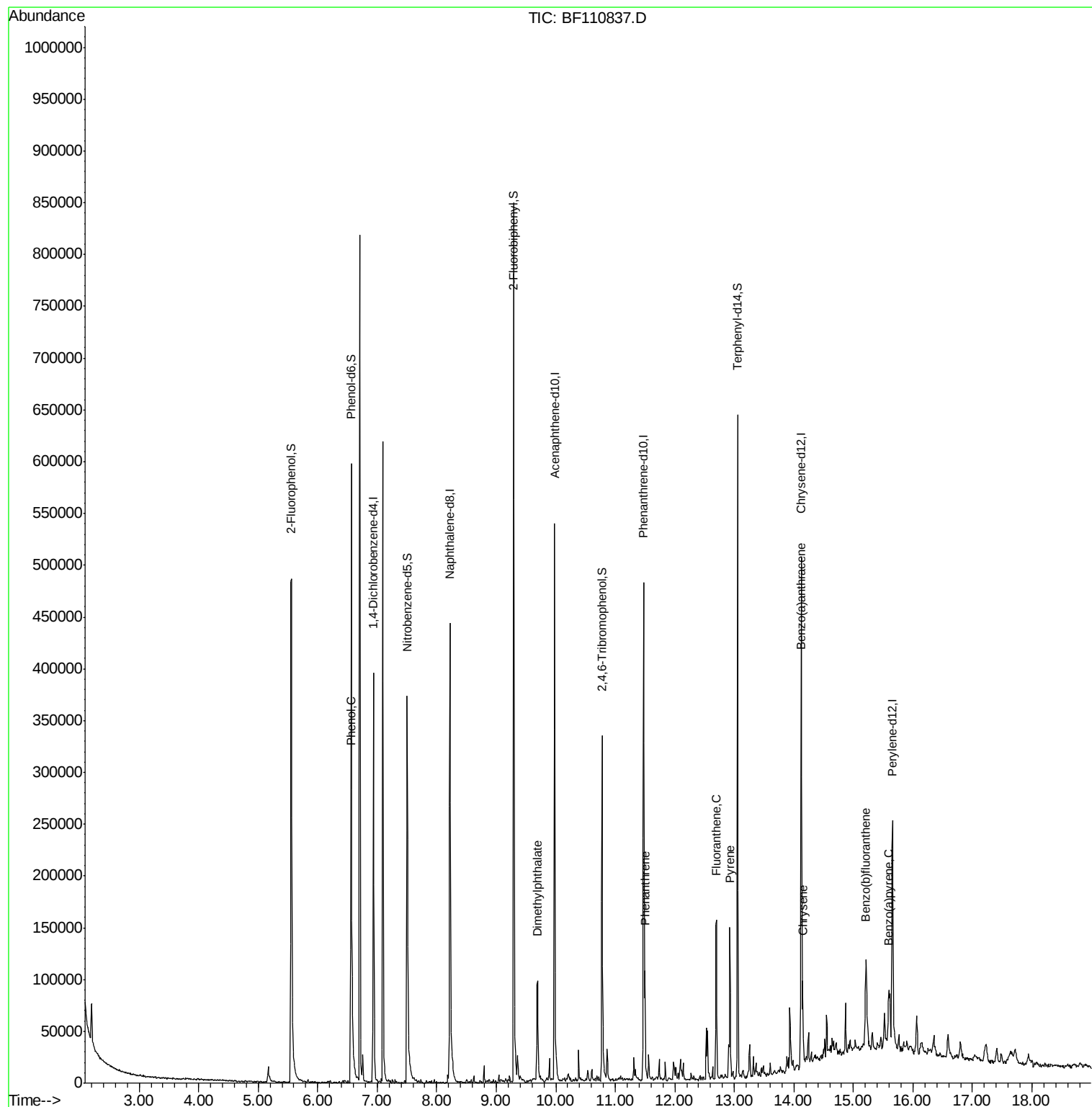
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110837.D
Acq On : 17 Nov 2018 1:32
Operator : JU/SJ
Sample : J5970-01 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

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#1

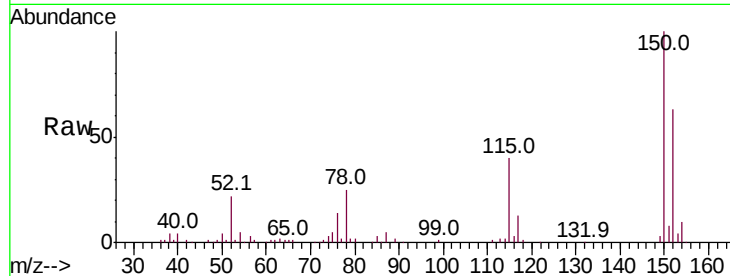
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.7	184.1
115	63.1	49.1	73.7

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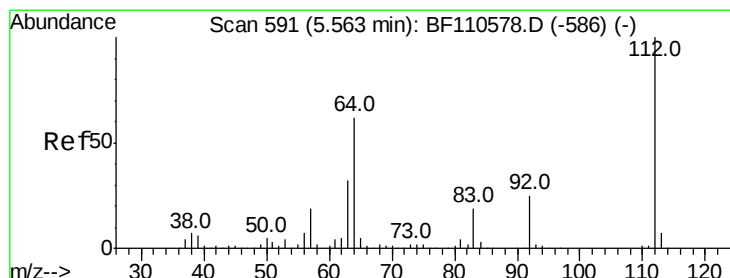
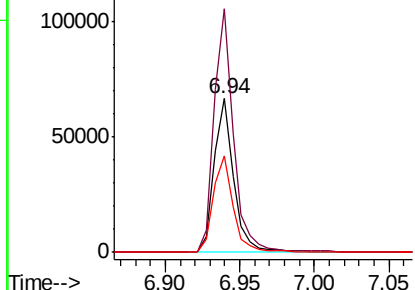
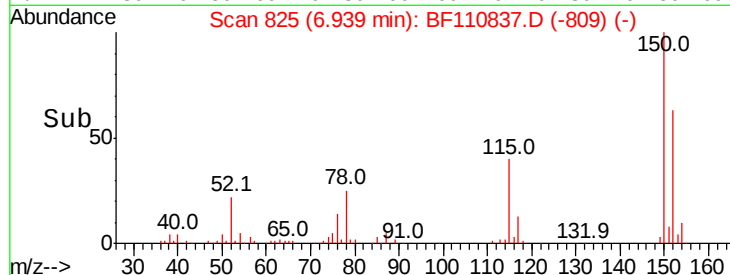


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

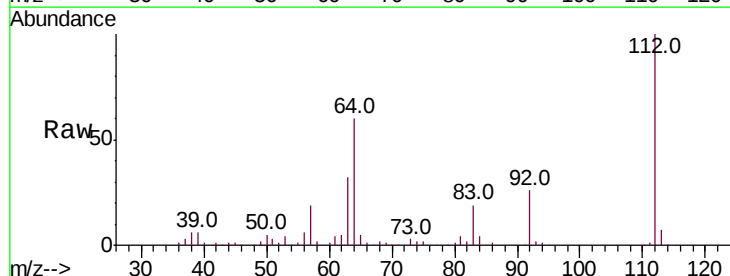
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.380 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	44.1	66.1
63	31.6	23.7	35.5

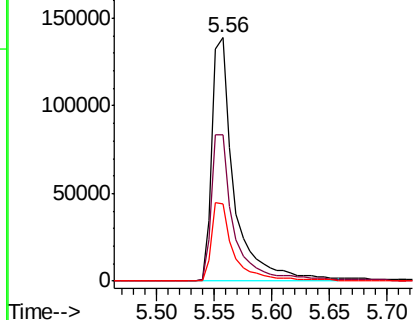
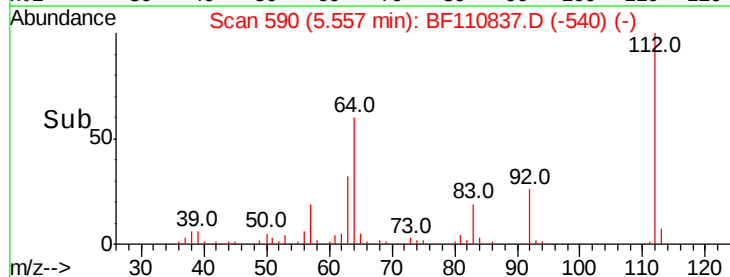


Abundance

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: 51.465 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

Instrument :

BNA_F

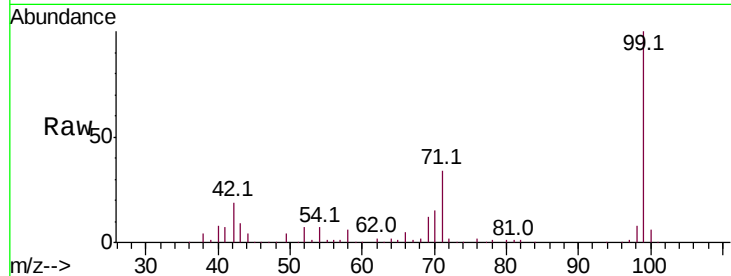
ClientSampleId :

FK-GF-02-028-A

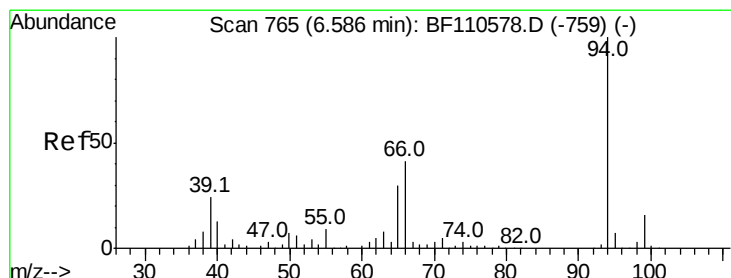
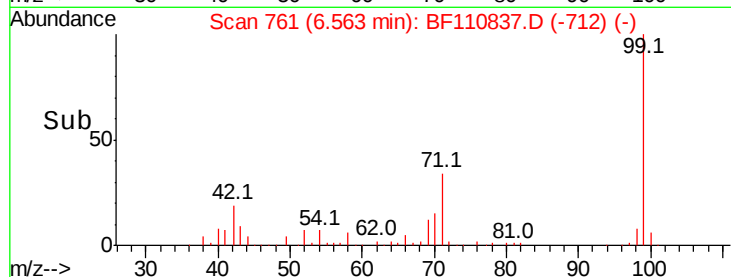
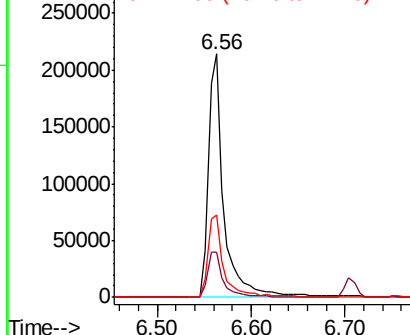
Tot Ion:	99	Resp:	247339
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	34.0	28.0	42.0

Manual Integrations
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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: 2.335 ng

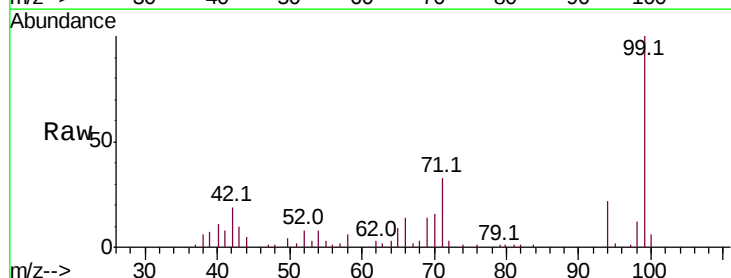
RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

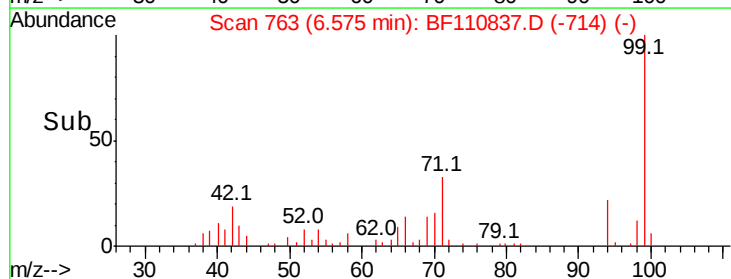
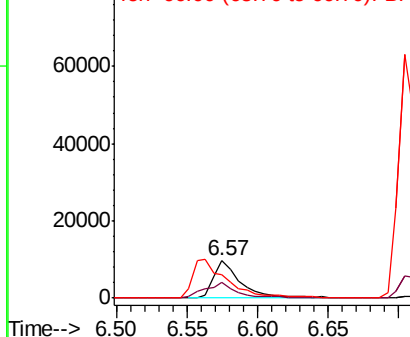
Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

Tgt Ion:	94	Resp:	13012
Ion	Ratio	Lower	Upper
94	100		
65	41.3	25.3	65.3
66	62.6	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





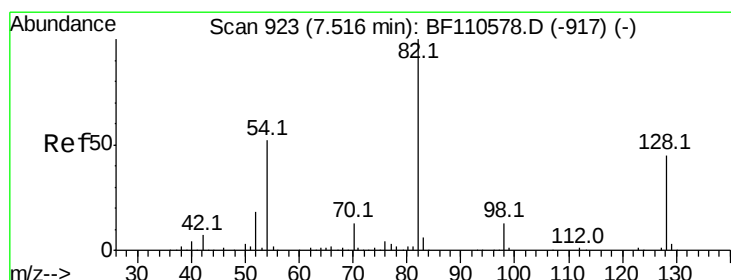
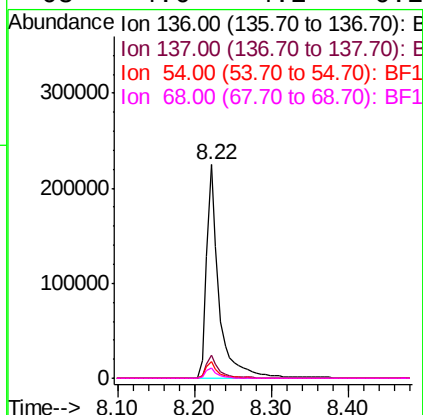
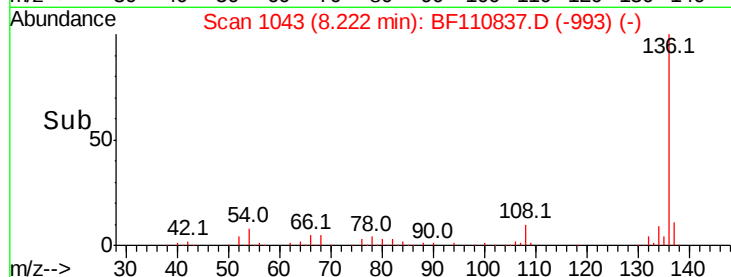
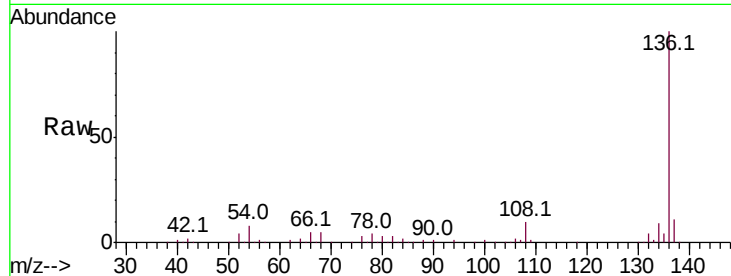
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.8	13.2	
54	7.6	5.4	8.2	
68	4.6	4.2	6.2	

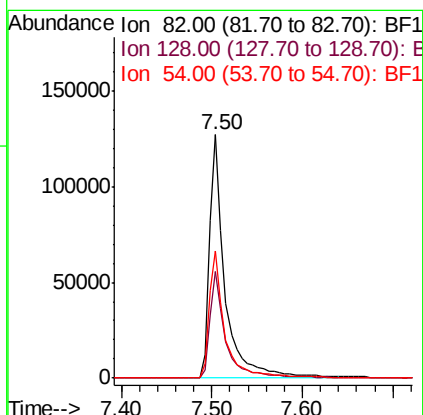
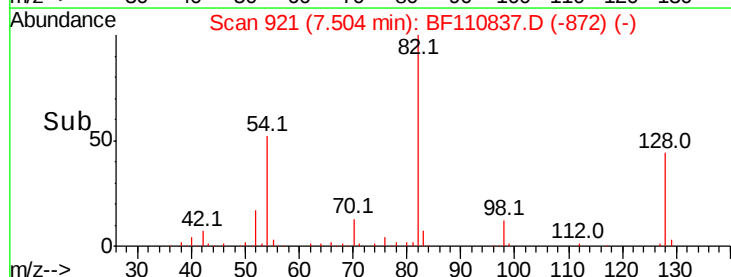
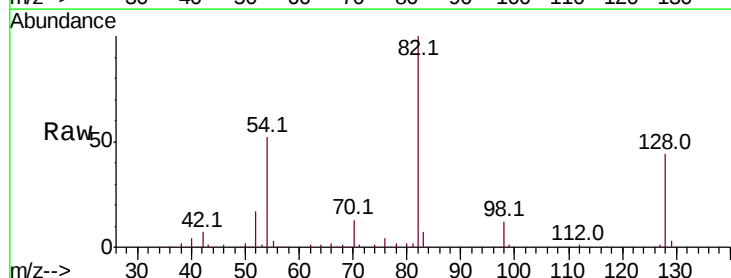
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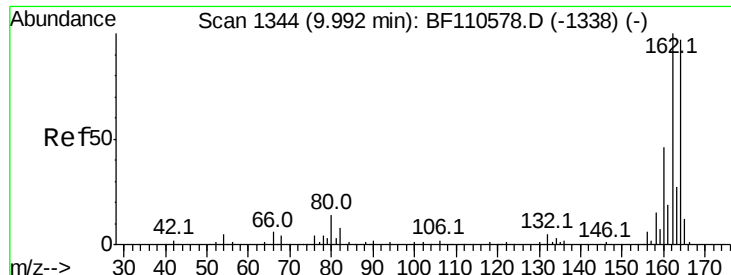
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#23
Nitrobenzene-d5
Concen: 35.124 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.7	34.2	51.2	
54	52.5	38.6	58.0	





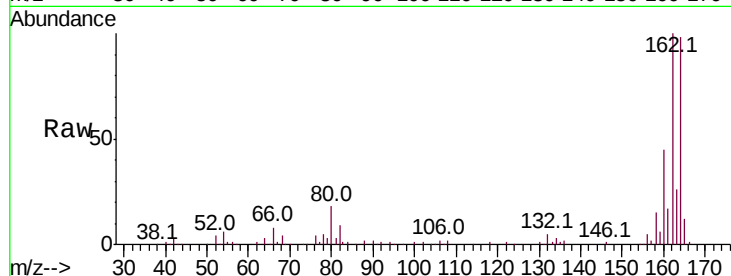
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	83.0	124.6	
160	45.6	37.0	55.6	

Manual Integrations
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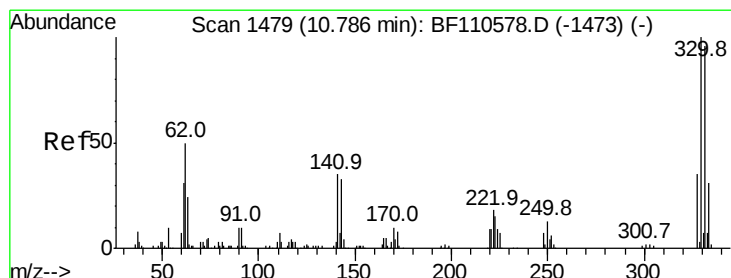
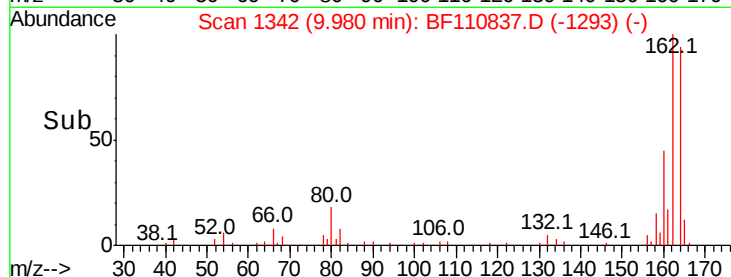
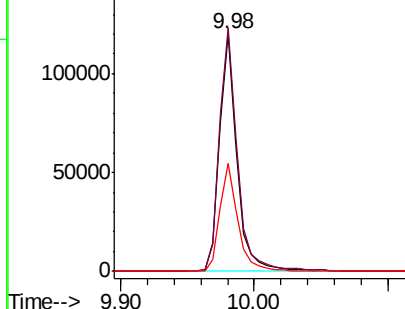


Abundance

Ion 164.00 (163.70 to 164.70): E

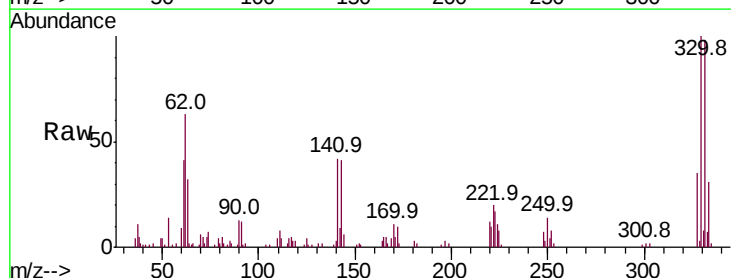
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 40.109 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.1	115.7	
141	38.6	27.0	40.4	

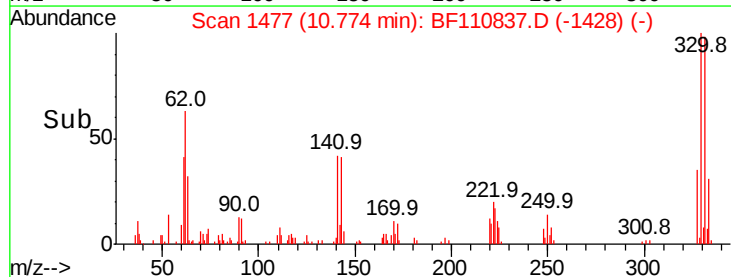
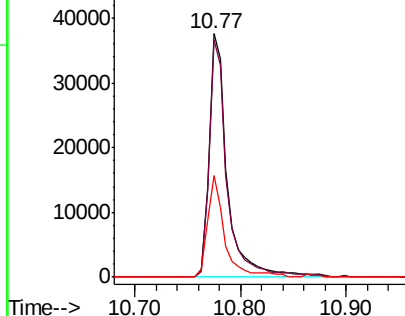


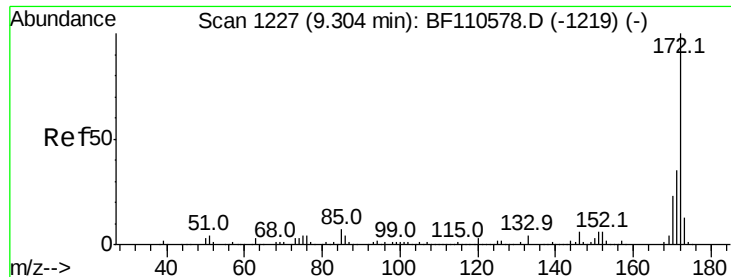
Abundance

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





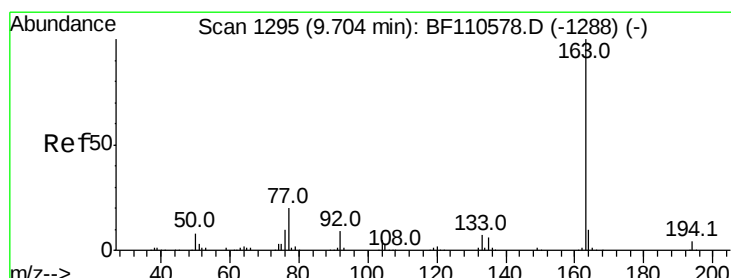
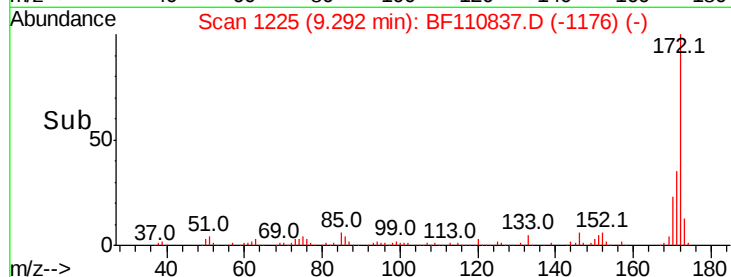
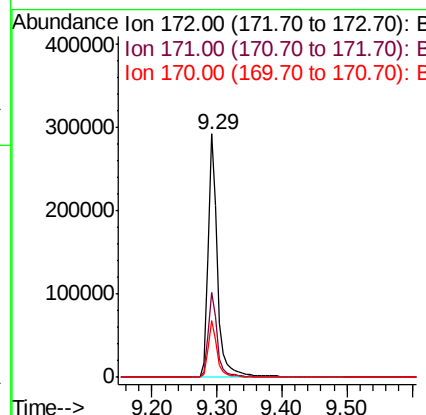
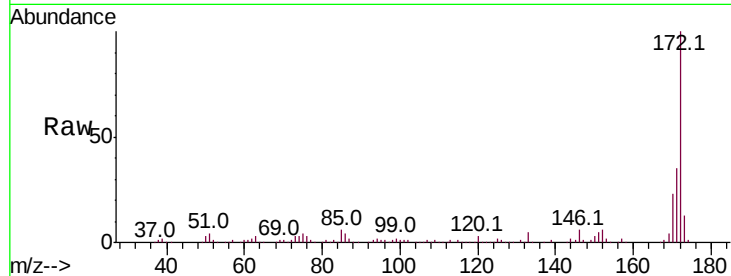
#45
2-Fluorobiphenyl
Concen: 37.310 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	34.6	28.6	43.0
170	23.4	19.7	29.5

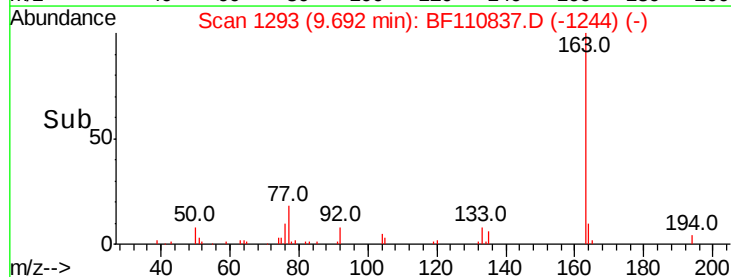
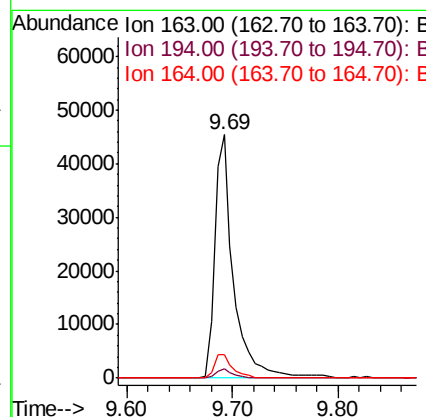
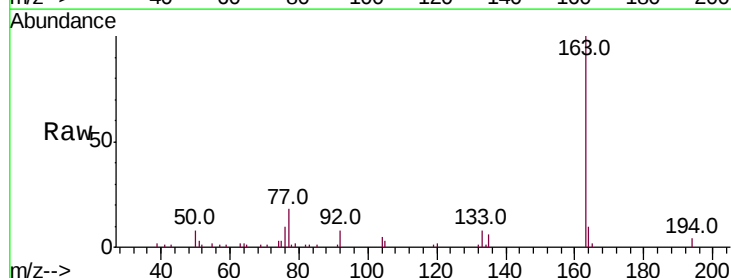
Manual Integrations
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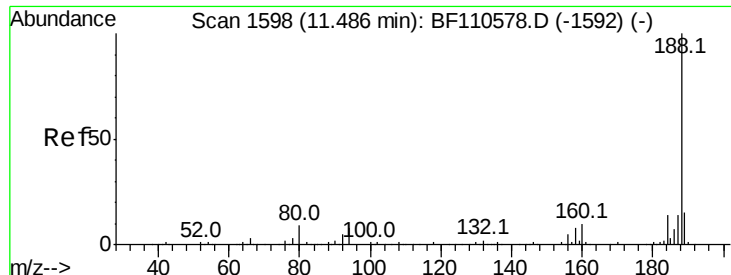
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#50
Dimethylphthalate
Concen: 6.717 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.7	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

Instrument :

BNA_F

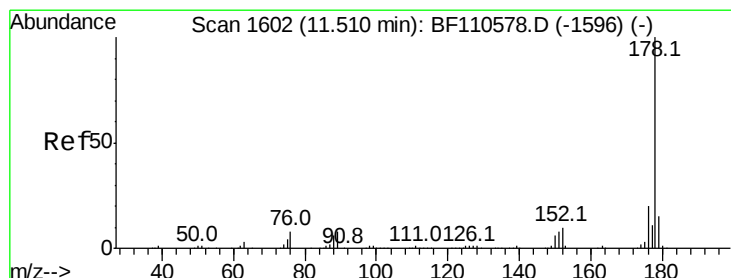
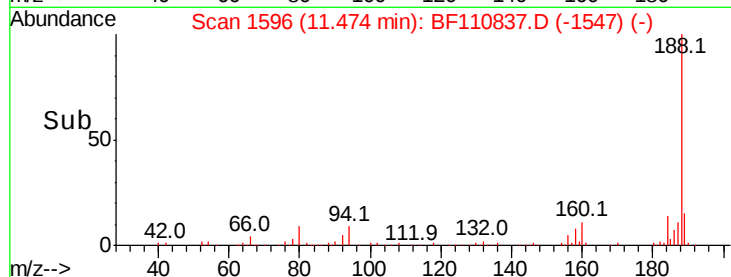
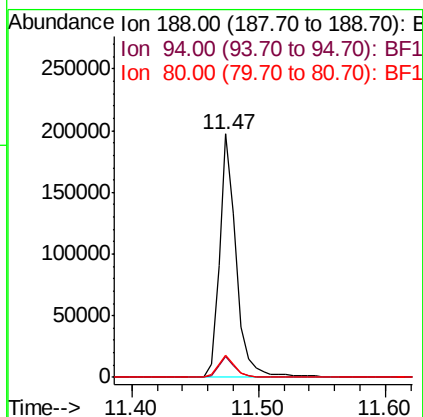
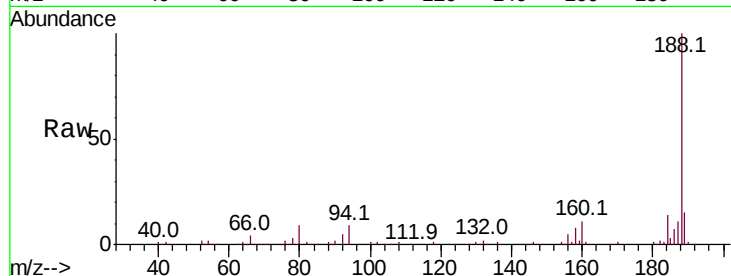
ClientSampleId :

FK-GF-02-028-A

Tot Ion:	188	Resp:	181703
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.2	10.8
80	9.3	7.9	11.9

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#71

Phenanthrene

Concen: 4.188 ng

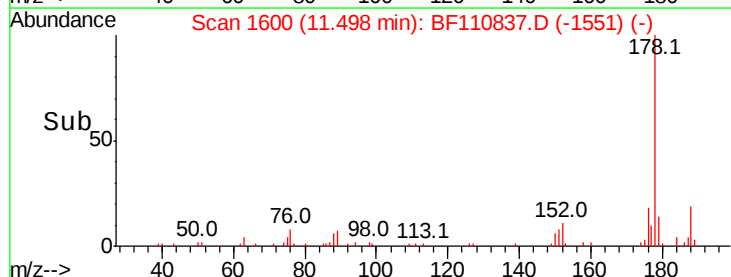
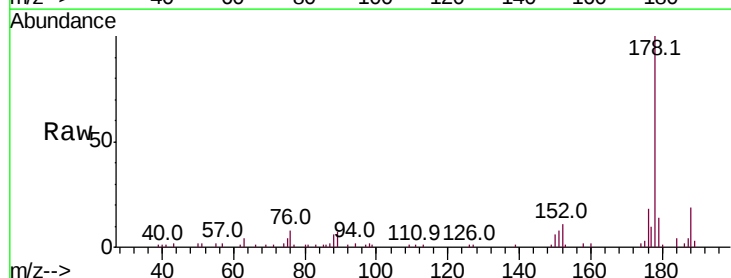
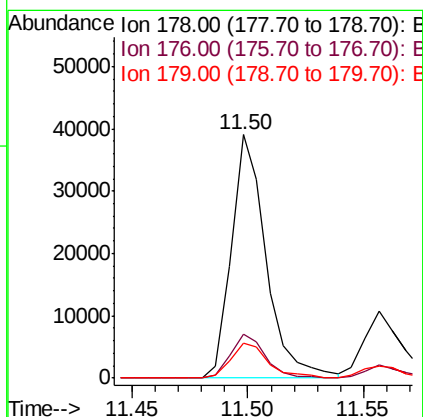
RT: 11.50 min Scan# 1600

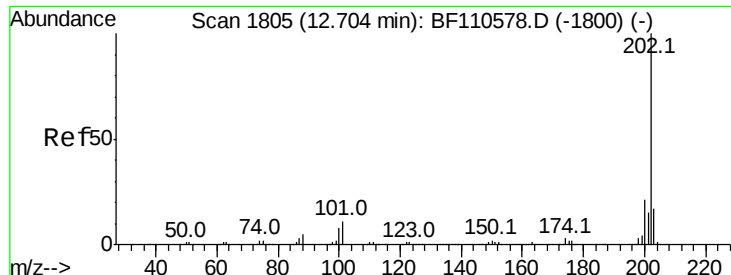
Delta R.T. -0.01 min

Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

Tgt Ion:	178	Resp:	40769
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	14.5	12.5	18.7





#75

Fluoranthene

Concen: 7.295 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

Instrument :

BNA_F

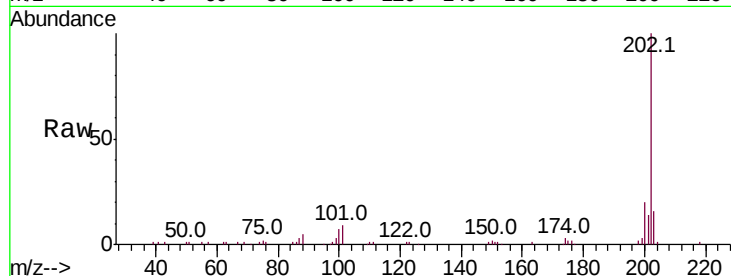
ClientSampleId :

FK-GF-02-028-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.5	0.0	31.4
203	16.3	0.0	37.7

Manual Integrations
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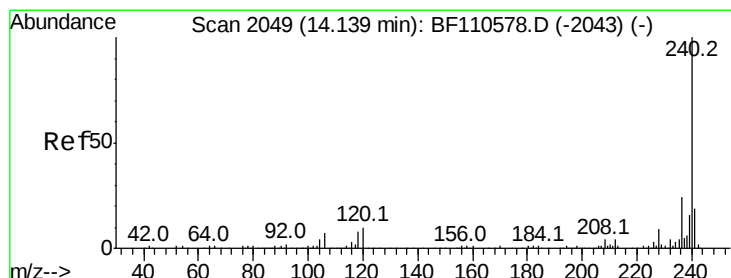
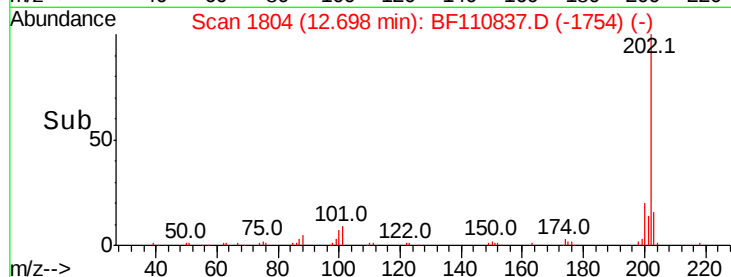
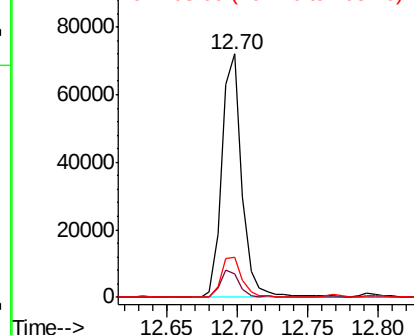


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110837.D

Acq: 17 Nov 2018 1:32

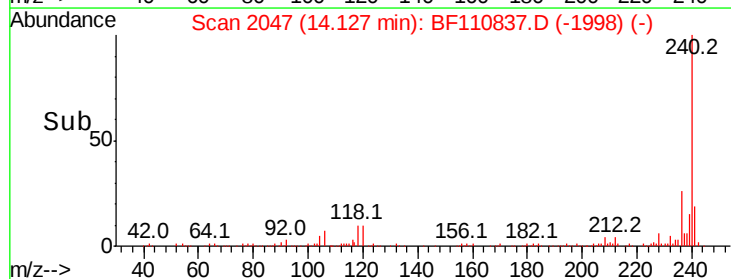
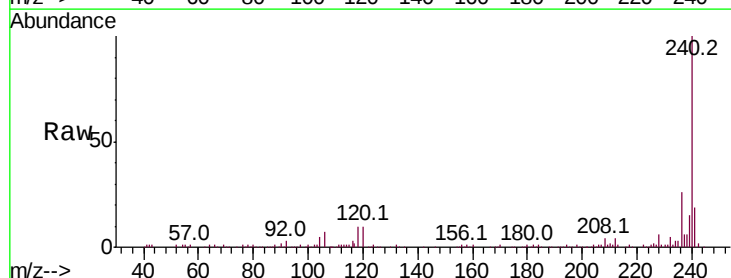
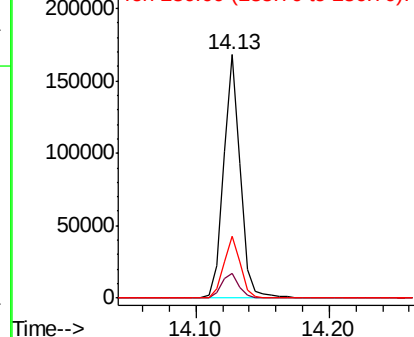
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	8.3	12.5
236	25.6	21.2	31.8

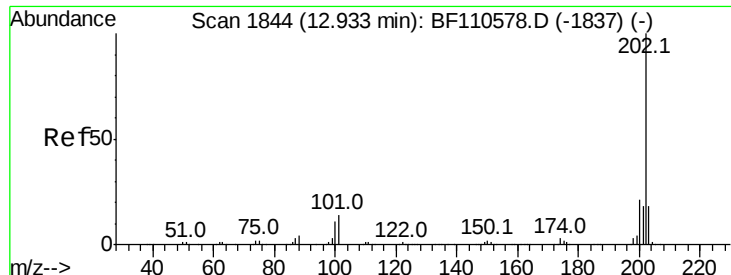
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





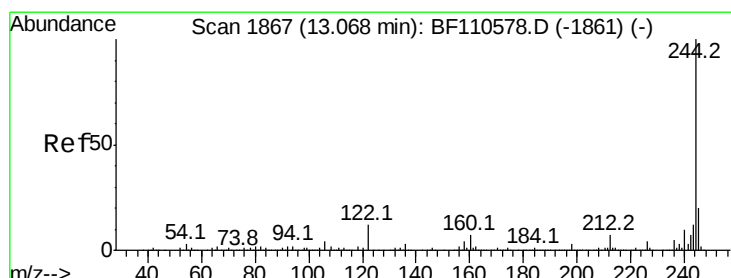
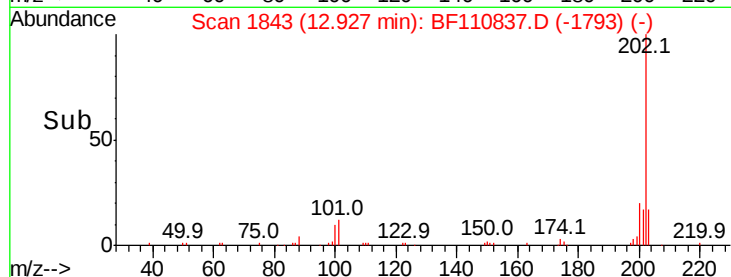
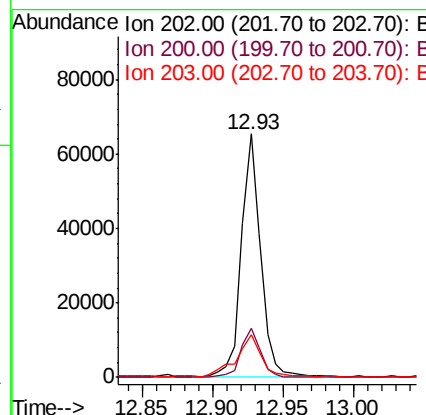
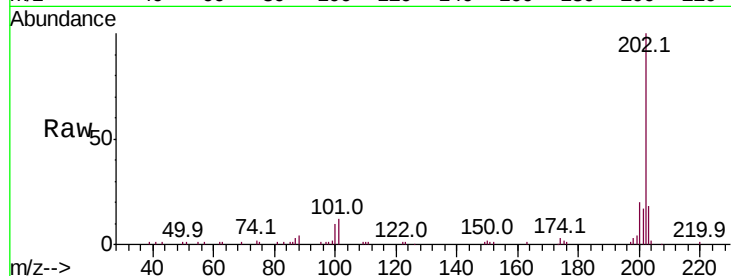
#78
Pvrene
Concen: 5.524 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.6	14.2	21.4

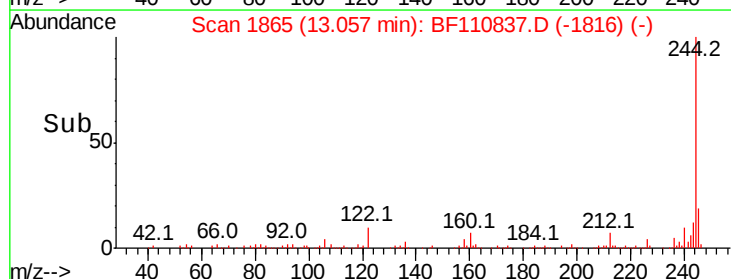
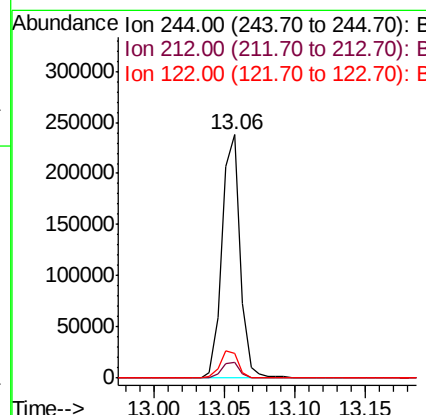
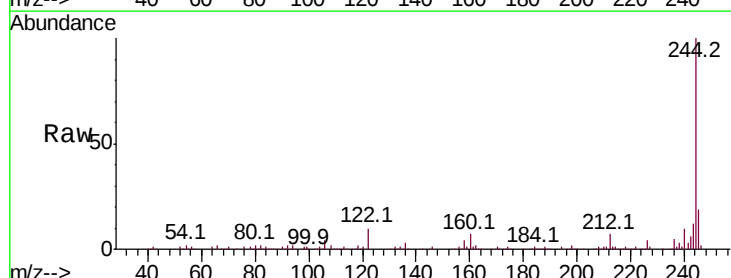
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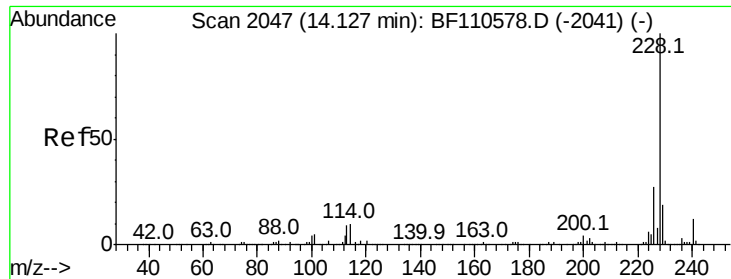
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#79
Terphenyl-d14
Concen: 26.989 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.3	8.7	13.1





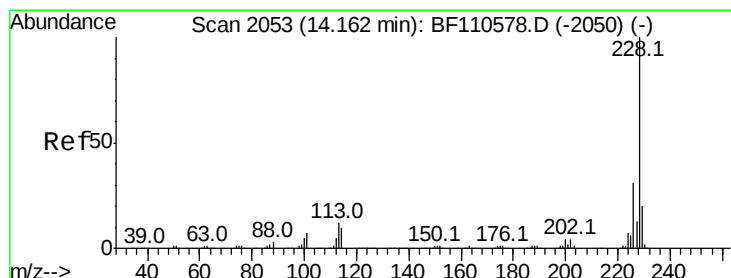
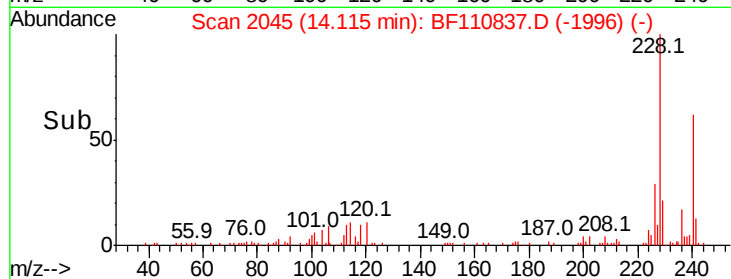
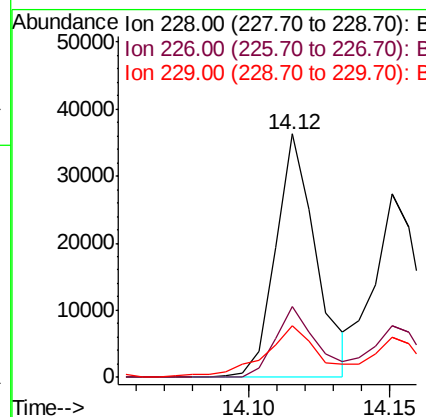
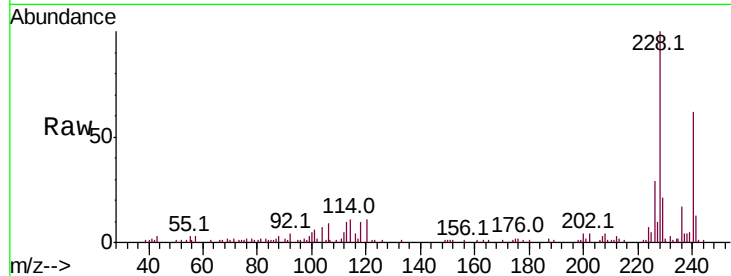
#81
Benzo(a)anthracene
Concen: 4.058 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion:228	Resp:	35895
Ion Ratio	Lower	Upper
228 100		
226 29.1	22.1	33.1
229 21.2	15.6	23.4

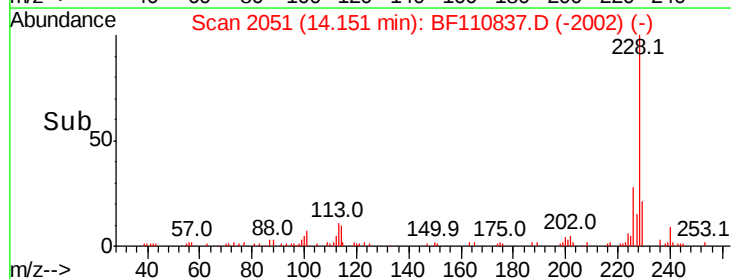
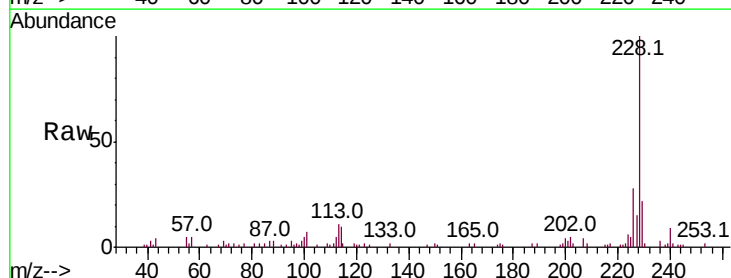
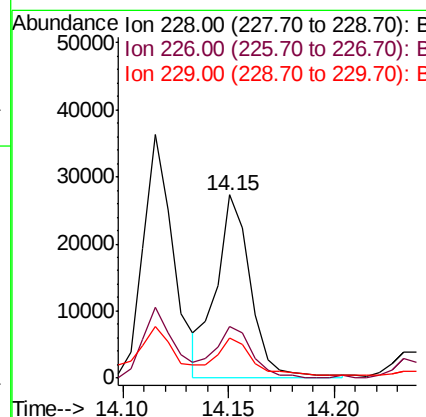
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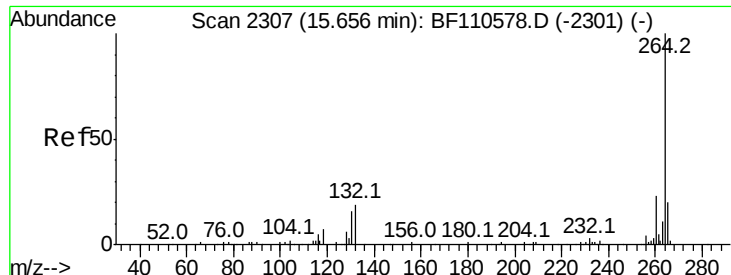
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#83
Chrysene
Concen: 3.676 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion:228	Resp:	30979
Ion Ratio	Lower	Upper
228 100		
226 28.3	24.7	37.1
229 21.7	15.9	23.9





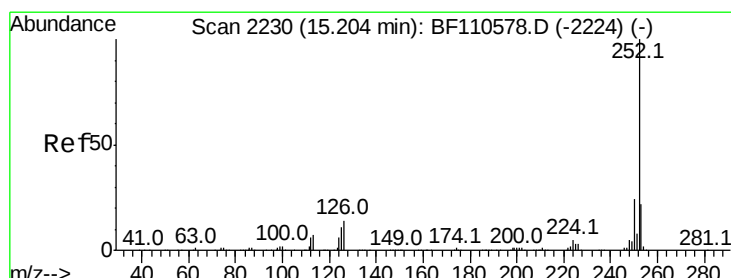
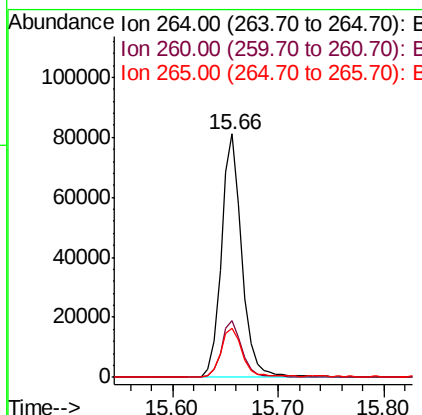
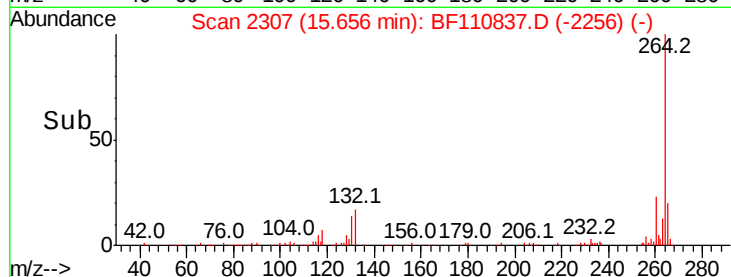
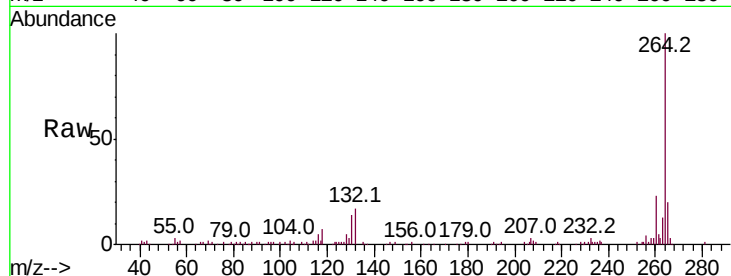
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	20.3	16.7	25.1

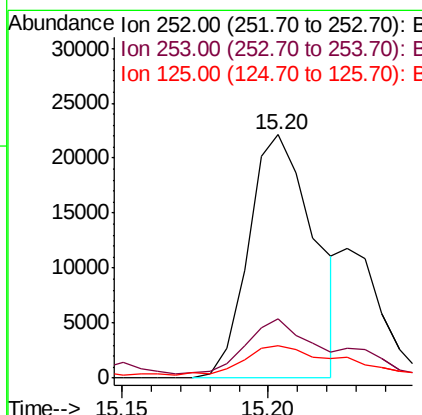
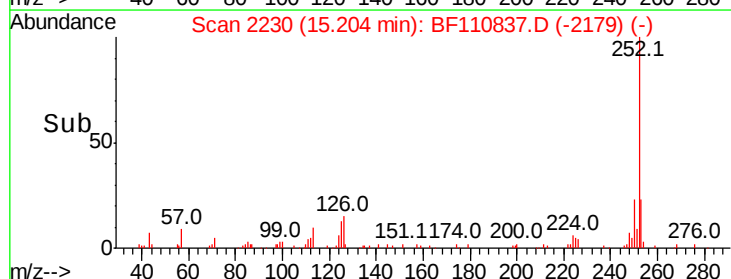
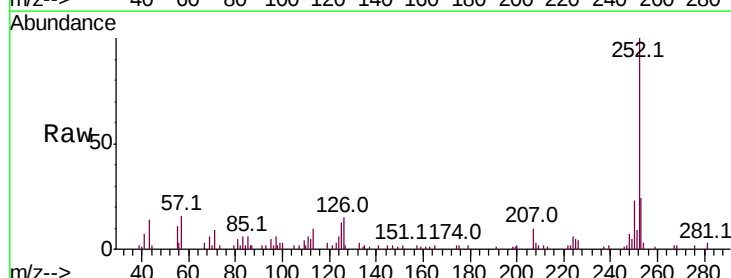
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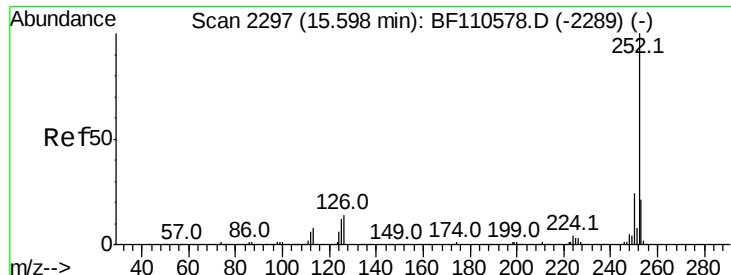
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#88
Benzo(b)fluoranthene
Concen: 5.275 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.2	8.2	12.4#





#90
Benzo(a)pyrene
Concen: 3.973 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110837.D
Acq: 17 Nov 2018 1:32

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	18.2	27.4
125	12.5	9.0	13.6

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

