

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103805.D
 Acq On : 20 Mar 2018 16:39
 Operator : JU/SJ
 Sample : J1982-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-110(4-5)

Manual Integrations
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Sohil
 3/22/2018 12:57:30 PM

Quant Time: Mar 21 05:04:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152022	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	570837	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	269837	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	404554	20.00	ng	0.00
75) Chrysene-d12	14.16	240	286263	20.00	ng	0.01
86) Perylene-d12	15.70	264	237063	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	772122	77.25	ng	0.01
7) Phenol-d6	6.59	99	1009233	82.53	ng	0.00
23) Nitrobenzene-d5	7.53	82	559308	68.33	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	190307	82.03	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1023595	60.51	ng	0.00
78) Terphenyl-d14	13.10	244	806100	65.36	ng	0.02
Target Compounds						
37) 2-Methylnaphthalene	8.96	142	64782	3.543	ng	Qvalue 97
48) Acenaphthylene	9.87	152	61785	2.229	ng	99
49) Dimethylphthalate	9.72	163	109168	5.303	ng	100
57) Fluorene	10.56	166	63172	3.464	ng	99
70) Phenanthrene	11.53	178	407920	18.433	ng	99
71) Anthracene	11.58	178	59410	2.643	ng	100
74) Fluoranthene	12.73	202	203821	8.940	ng	98
77) Pyrene	12.96	202	322368	15.334	ng	99
80) Benzo(a)anthracene	14.15	228	113478	6.262	ng	# 87
82) Chrysene	14.19	228	115356	6.678	ng	97
87) Benzo(b)fluoranthene	15.24	252	67841m	4.530	ng	
88) Benzo(k)fluoranthene	15.27	252	29034m	2.017	ng	
89) Benzo(a)pyrene	15.63	252	73829	5.435	ng	# 88
91) Benzo(a,h,i)perylene	17.76	276	33799	2.954	ng	# 90

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

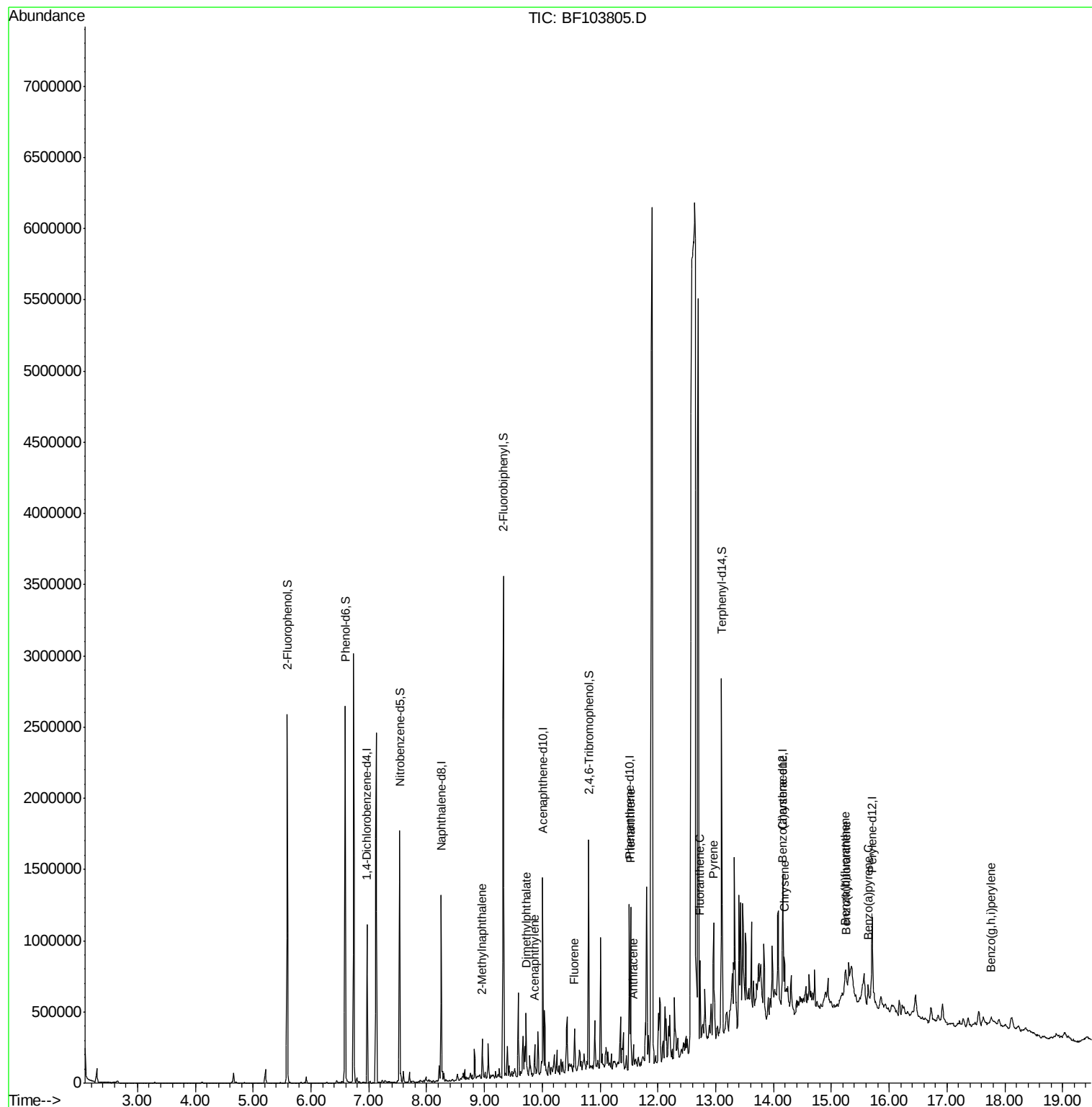
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103805.D
Acq On : 20 Mar 2018 16:39
Operator : JU/SJ
Sample : J1982-04
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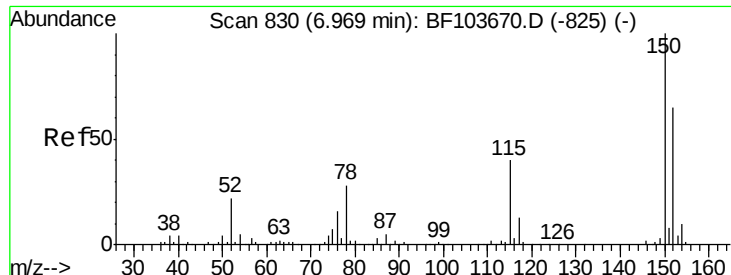
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ClientSampleId :
SB-110(4-5)

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#1

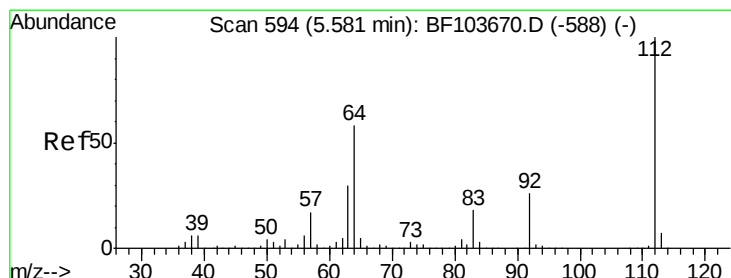
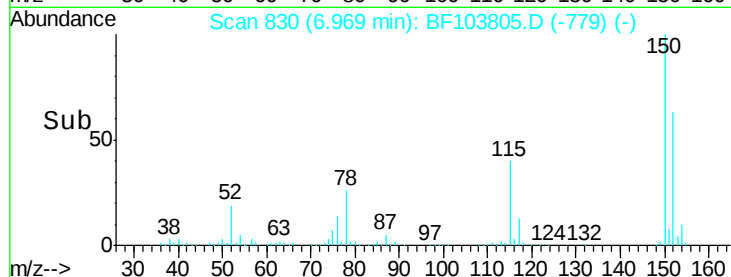
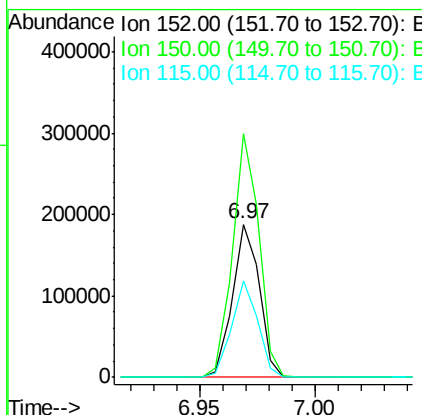
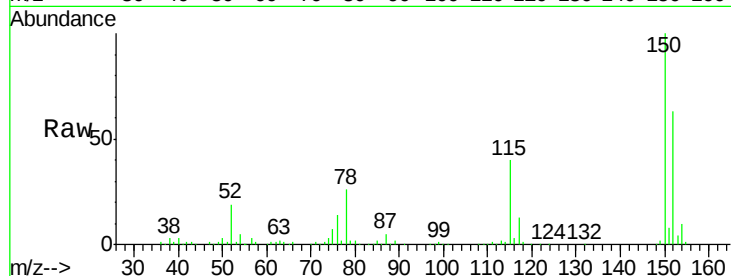
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
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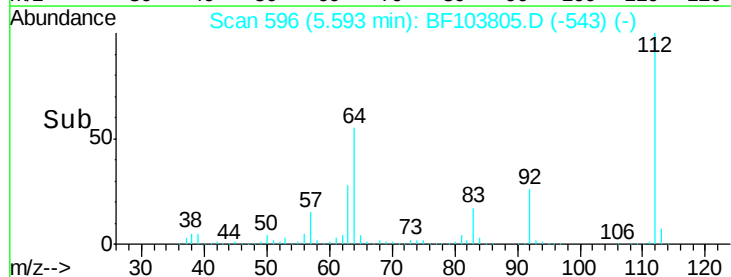
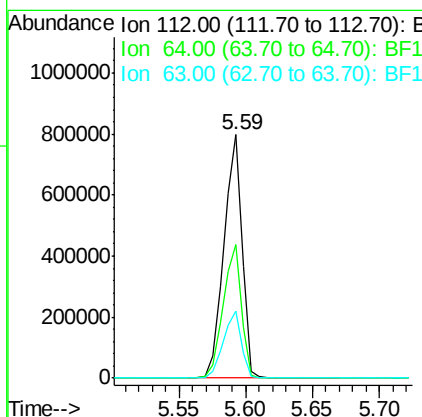
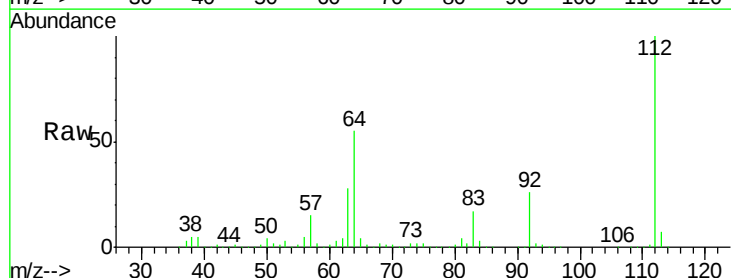
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#5

2-Fluorophenol
Concen: 77.252 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 82.534 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Instrument :

BNA_F

ClientSampled :

SB-110(4-5)

Tot Ion: 99 Resp: 1009233

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

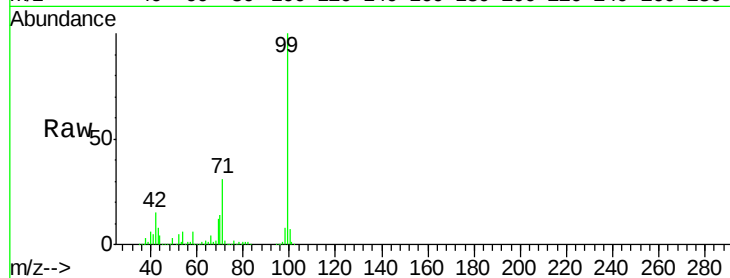
71 31.2 25.4 38.0

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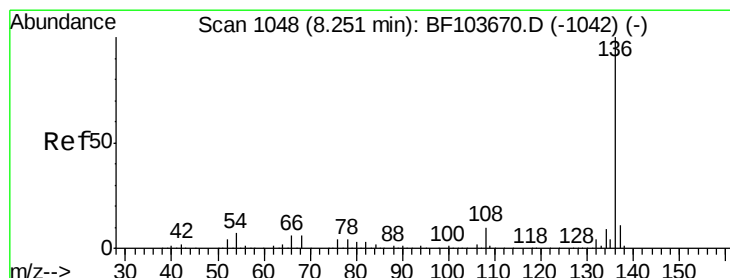
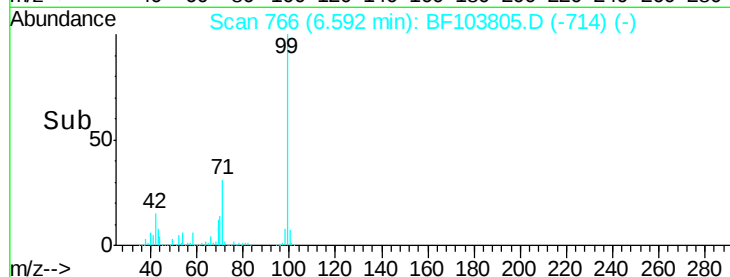
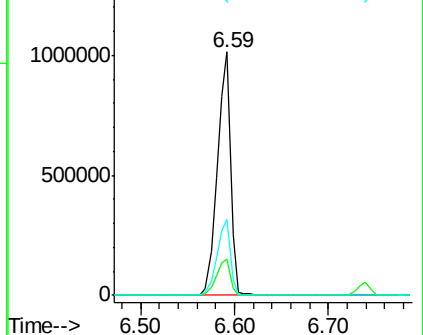
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Tgt Ion: 136 Resp: 570837

Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.2 6.6 9.8

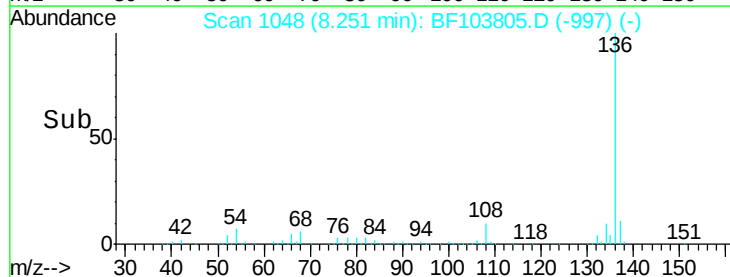
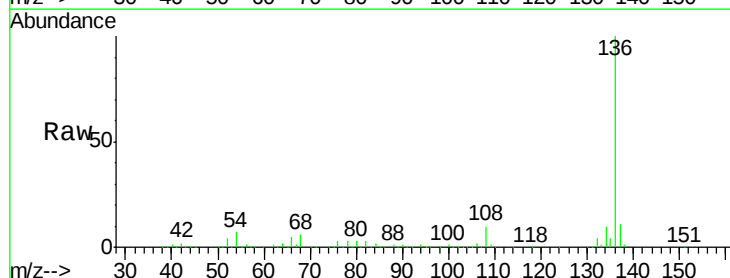
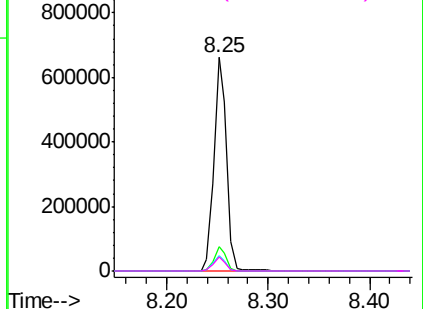
68 6.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E

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





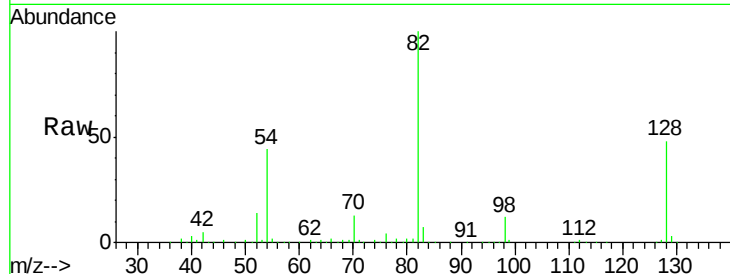
#23
 Nitrobenzene-d5
 Concen: 68.327 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103805.D
 Acq: 20 Mar 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-110(4-5)

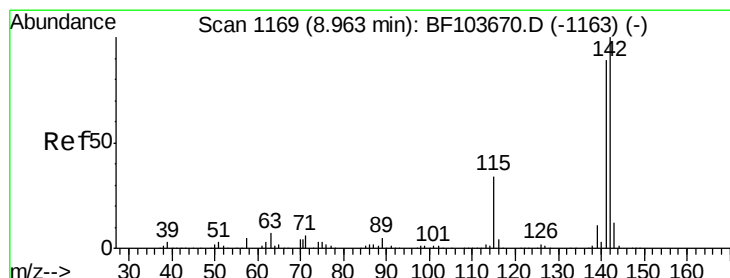
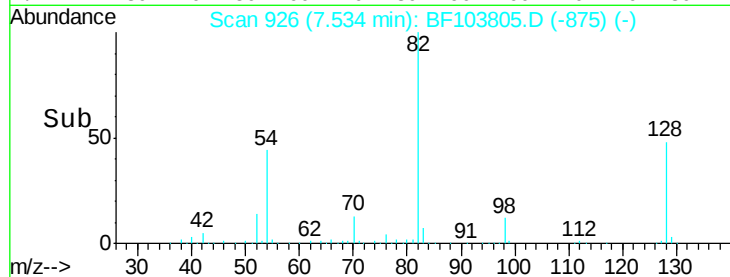
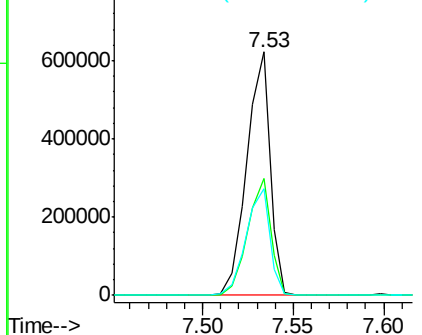
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	43.7	41.4	62.2

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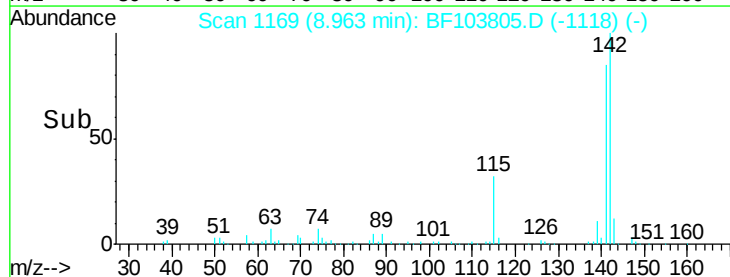
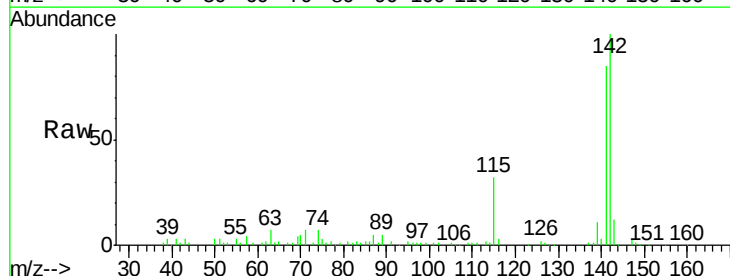
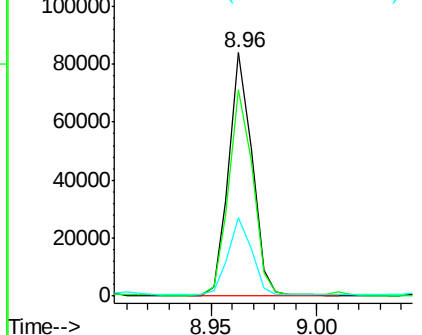
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

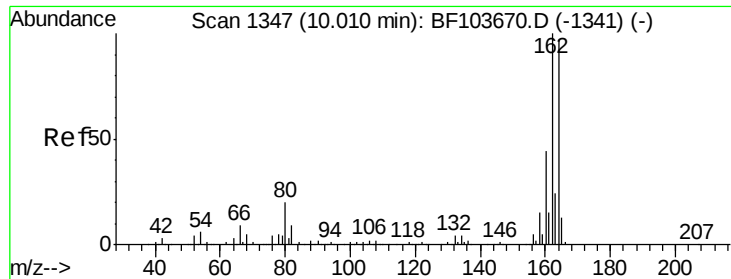


#37
 2-Methylnaphthalene
 Concen: 3.543 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF103805.D
 Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.8	106.2
115	32.4	26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): BF1
 Ion 141.00 (140.70 to 141.70): BF1
 Ion 115.00 (114.70 to 115.70): BF1





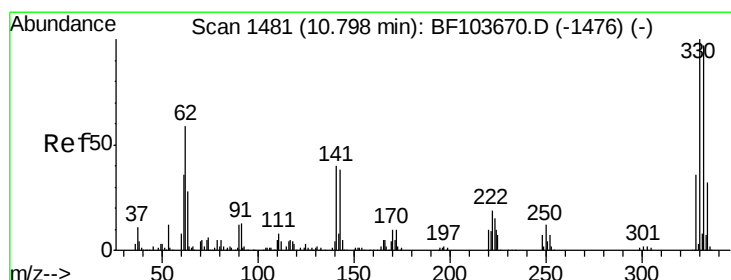
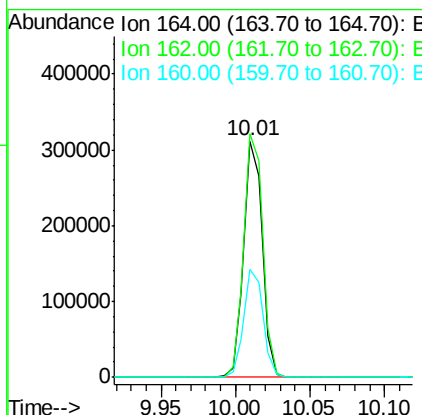
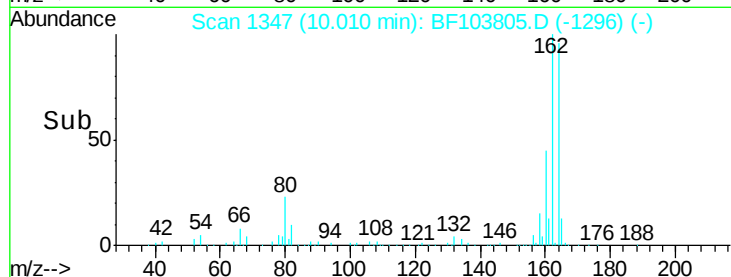
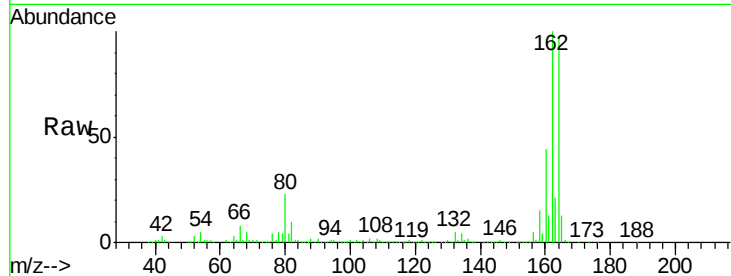
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	269837		
162	103.1	86.1	129.1	
160	45.8	38.3	57.5	

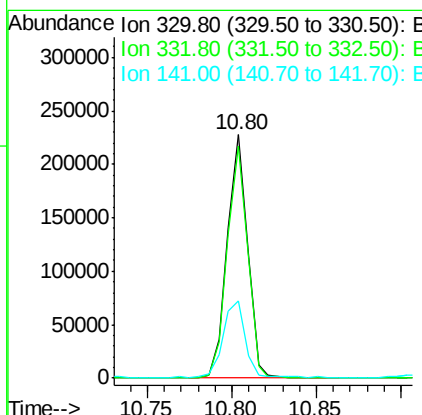
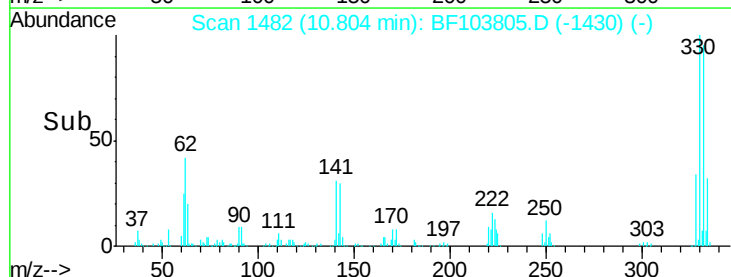
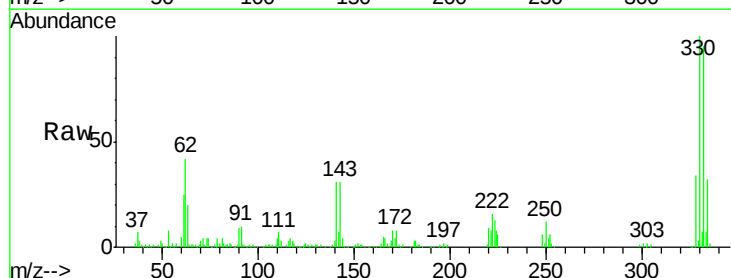
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#41
2,4,6-Tribromophenol
Concen: 82.026 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	190307		
332	95.6	77.0	115.6	
141	34.1	29.9	44.9	





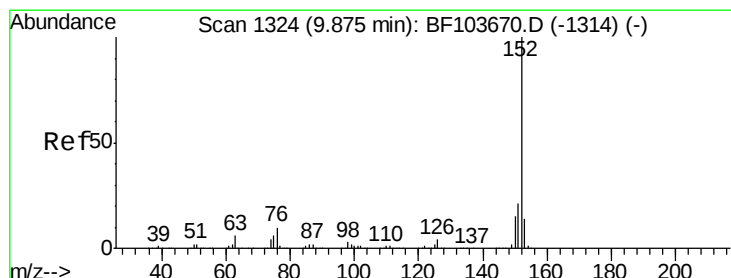
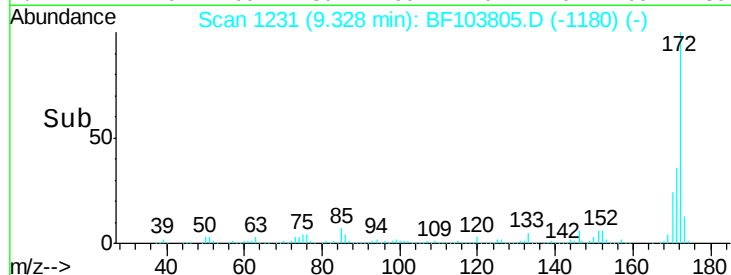
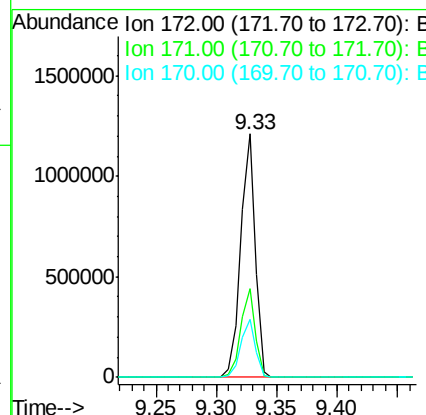
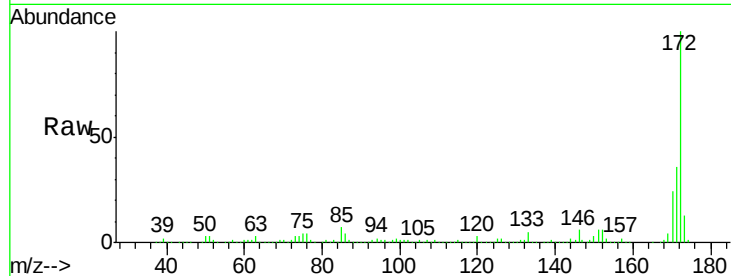
#44
2-Fluorobiphenyl
Concen: 60.510 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	19.6	29.4

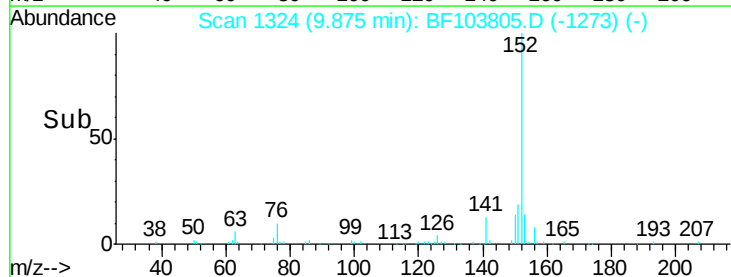
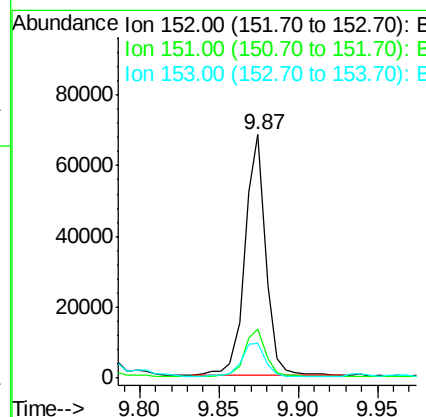
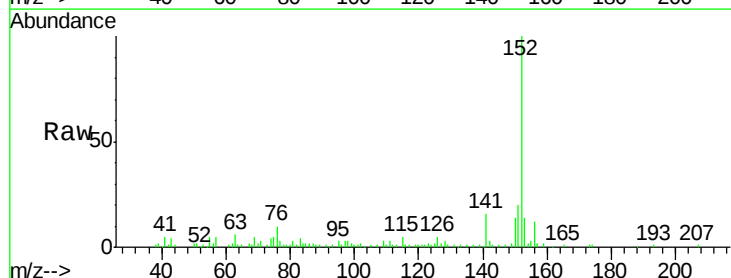
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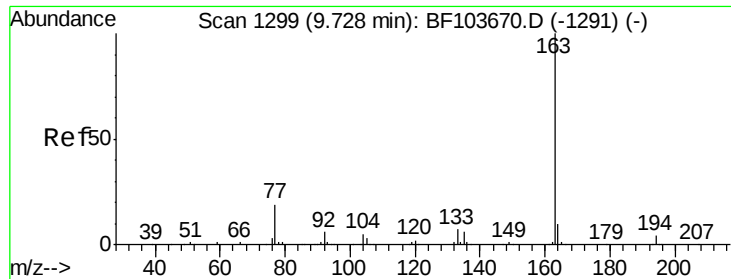
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#48
Acenaphthylene
Concen: 2.229 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	14.3	10.7	16.1





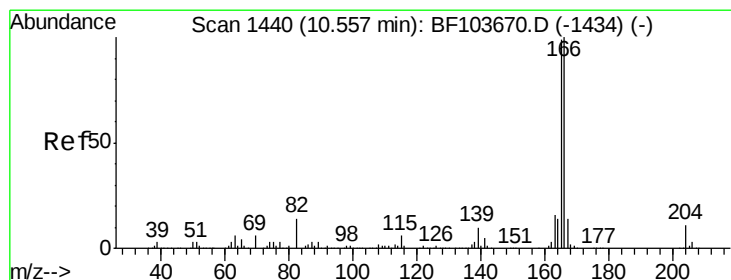
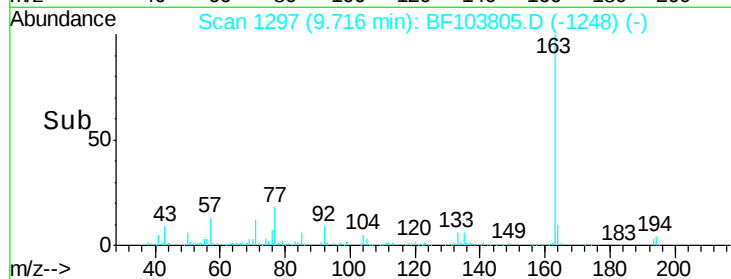
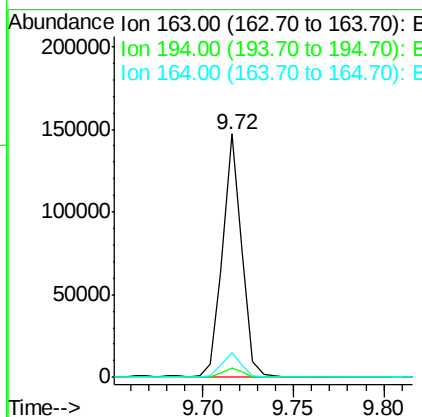
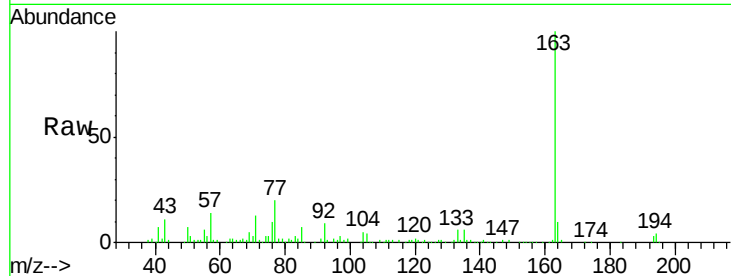
#49
Dimethylphthalate
Concen: 5.303 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	109168		
194	3.8	2.7	4.1	
164	10.2	8.2	12.2	

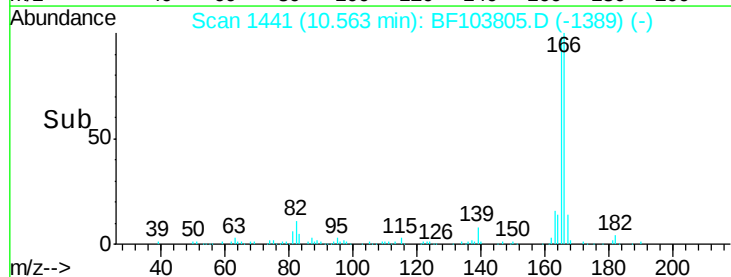
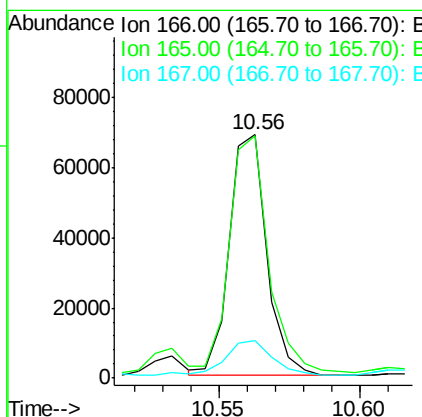
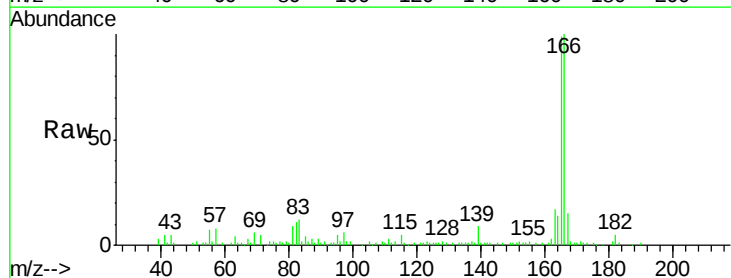
Manual Integrations
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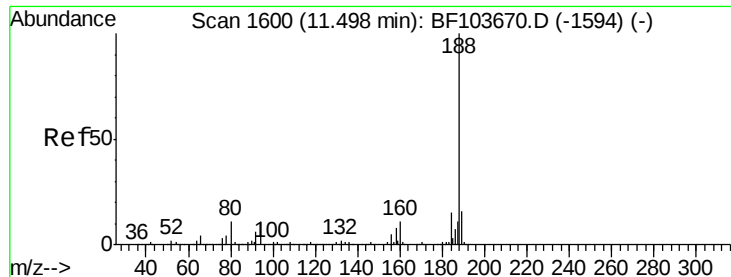
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#57
Fluorene
Concen: 3.464 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	63172		
165	99.3	79.8	119.8	
167	15.3	10.6	16.0	





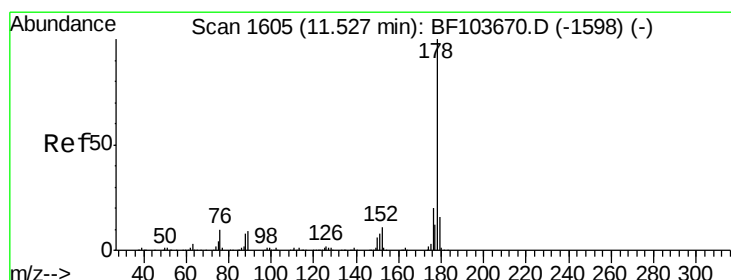
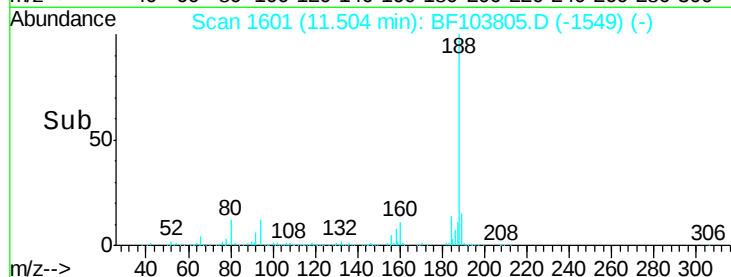
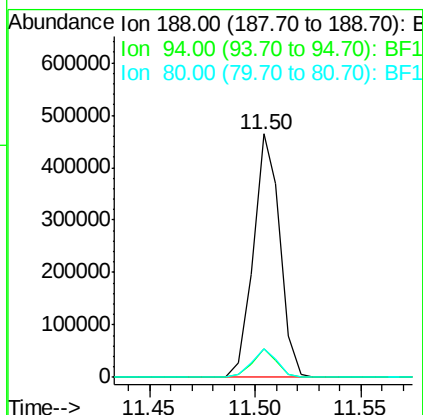
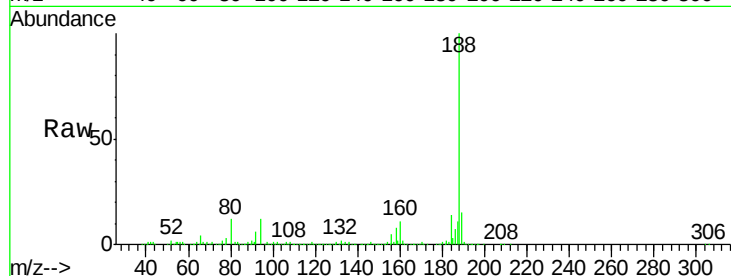
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	404554		
94	11.7		8.5	12.7
80	12.0		9.2	13.8

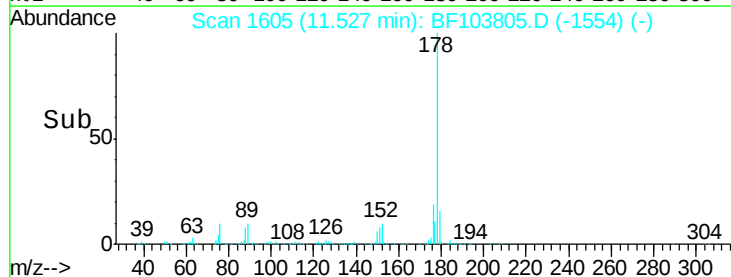
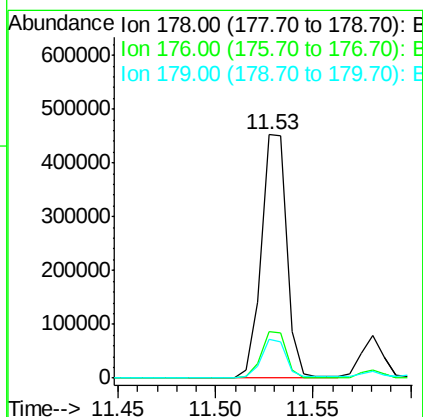
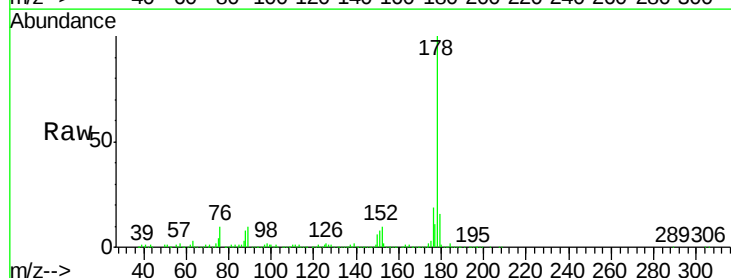
Manual Integrations
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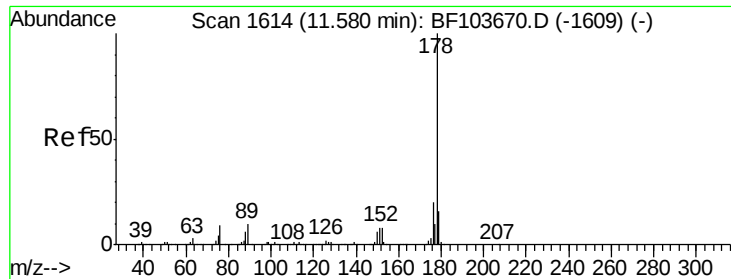
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#70
Phenanthrene
Concen: 18.433 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	407920		
176	19.1		15.8	23.8
179	16.2		13.0	19.6





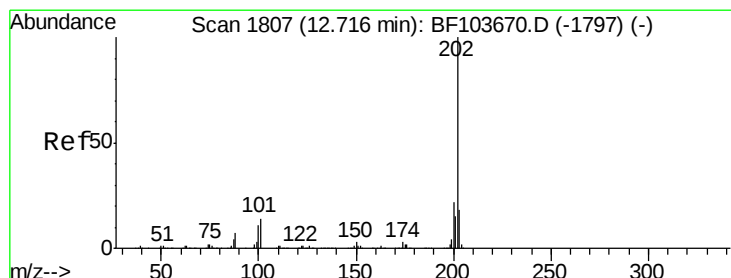
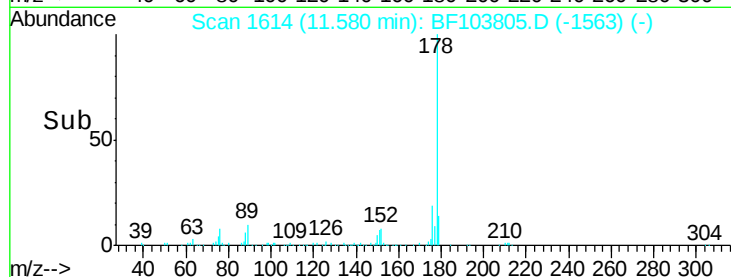
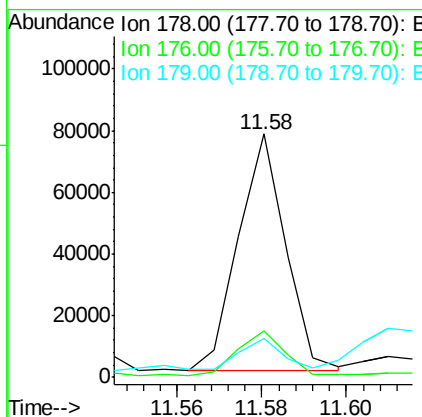
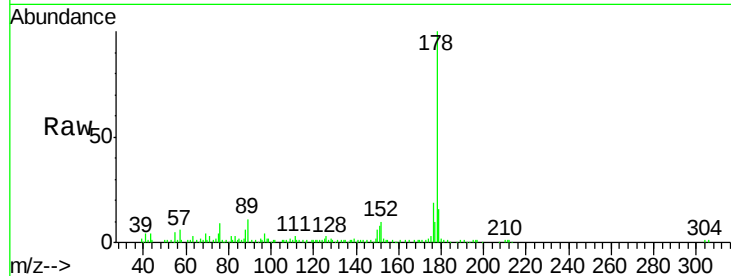
#71
 Anthracene
 Concen: 2.643 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BF103805.D
 Acq: 20 Mar 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-110(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.8	12.6	19.0

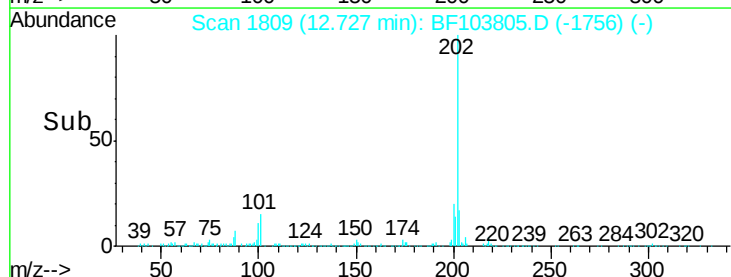
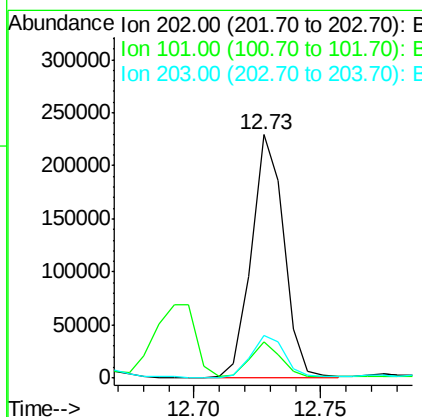
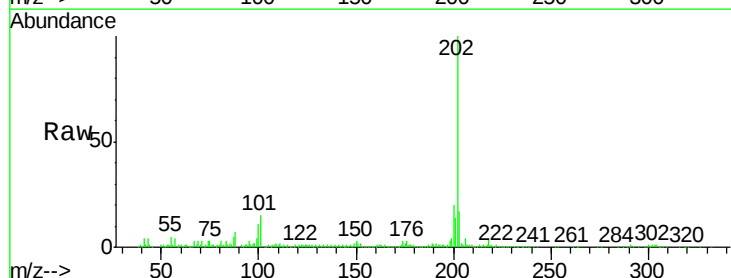
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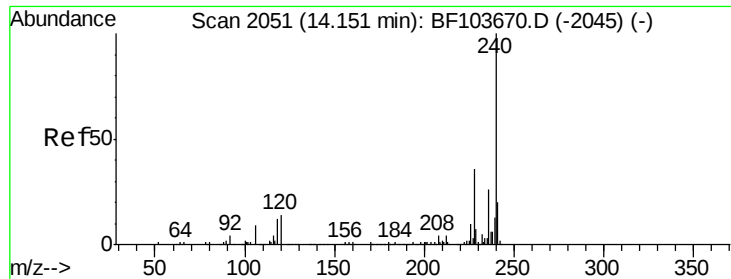
Sohil
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#74
 Fluoranthene
 Concen: 8.940 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BF103805.D
 Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	34.1
203	17.4	0.0	38.1





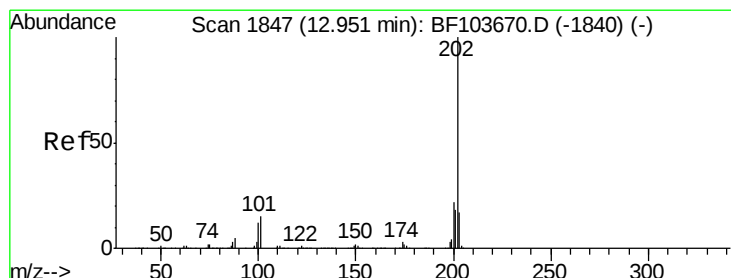
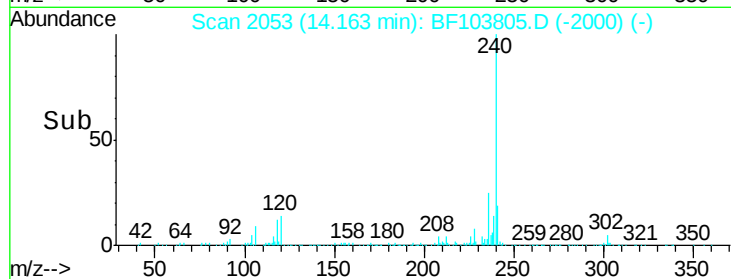
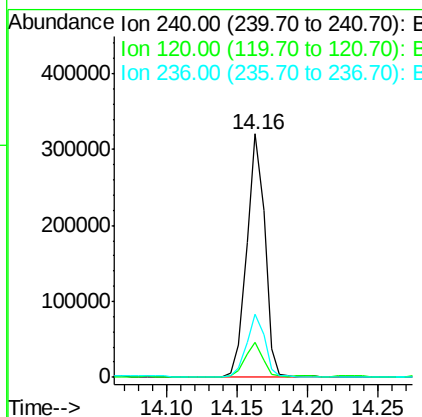
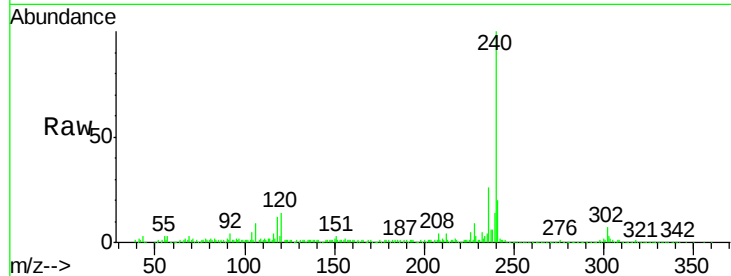
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.1	20.7	31.1

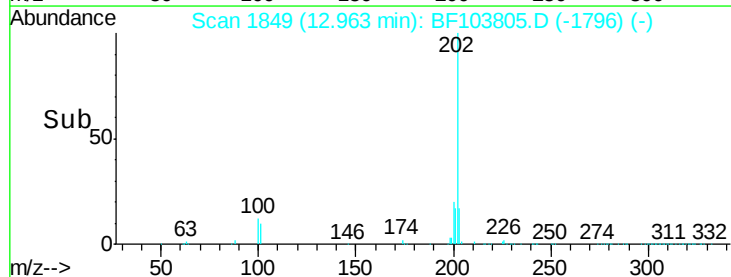
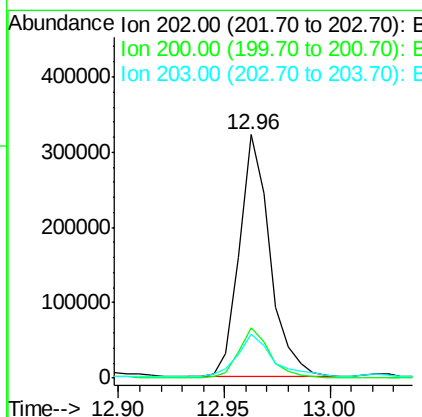
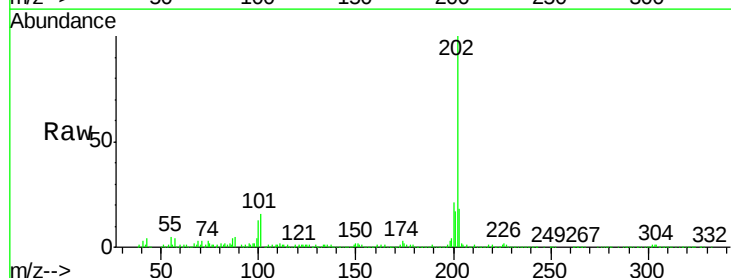
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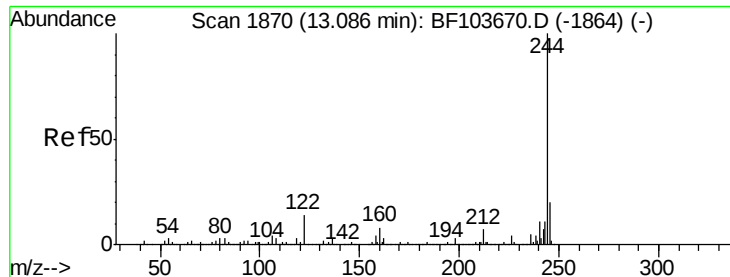
Sohil
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#77
Pyrene
Concen: 15.334 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 65.362 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.02 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Instrument :

BNA_F

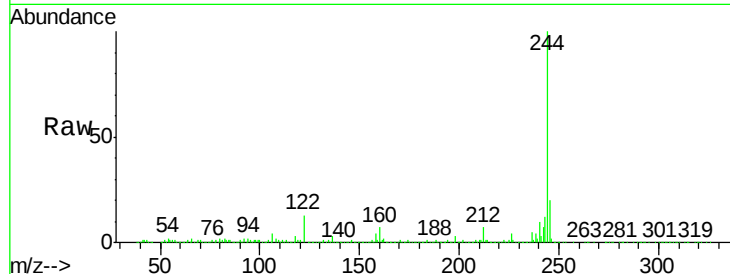
ClientSampleId :

SB-110(4-5)

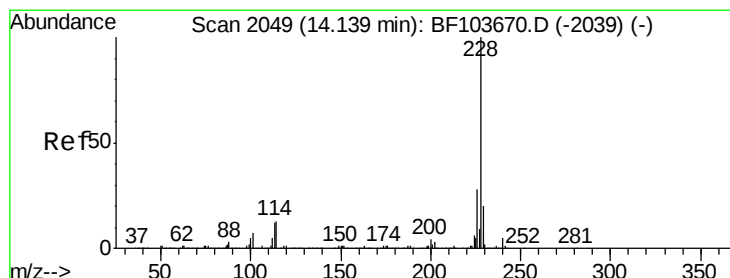
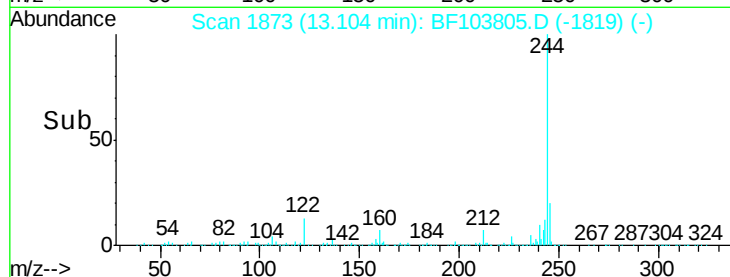
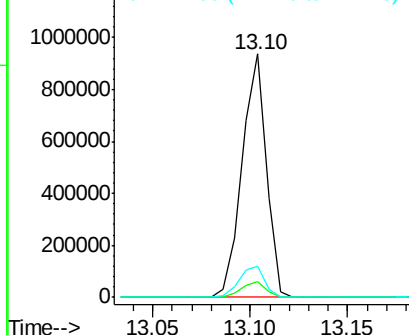
Tot Ion:	244	Resp:	806100
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4

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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: 6.262 ng

RT: 14.15 min Scan# 2051

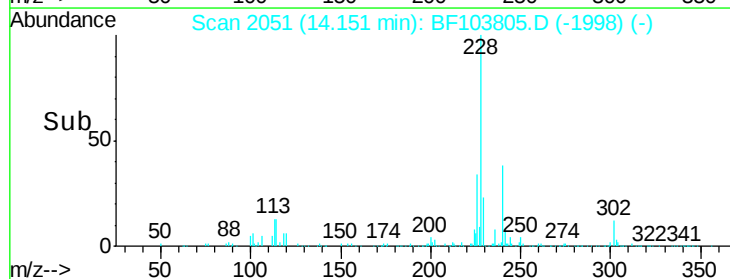
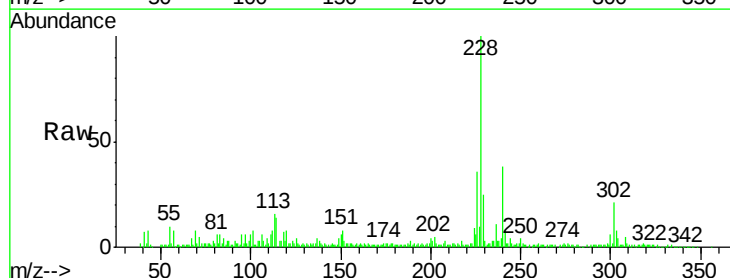
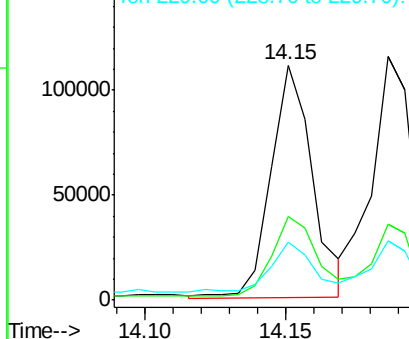
Delta R.T. 0.01 min

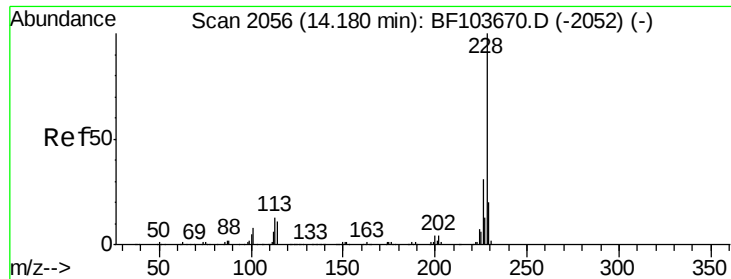
Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Tgt Ion:	228	Resp:	113478
Ion Ratio	Lower	Upper	
228	100		
226	35.6	22.6	33.8#
229	24.6	15.8	23.6#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.678 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Instrument :

BNA_F

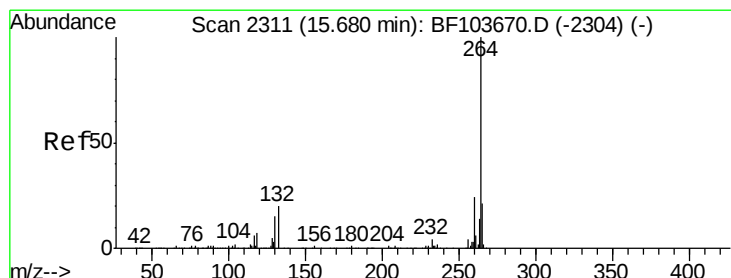
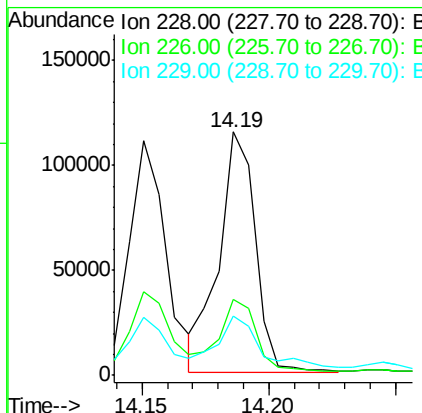
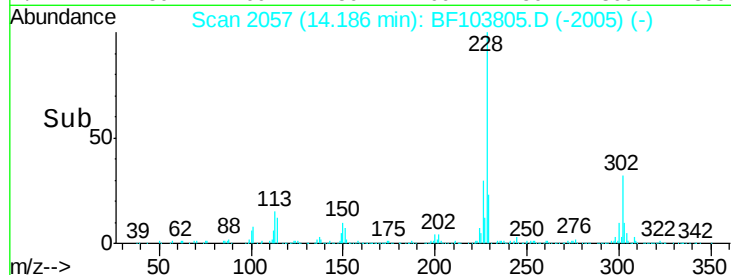
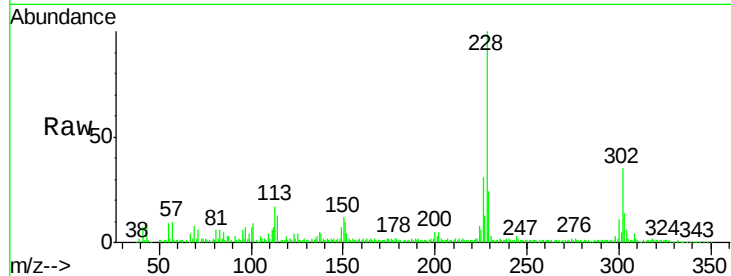
ClientSampleId :

SB-110(4-5)

Tot Ion:	228	Resp:	115356
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	24.2	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

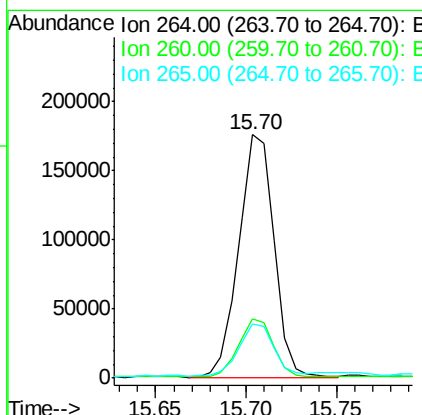
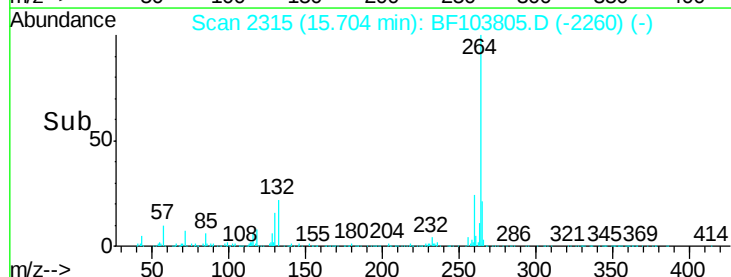
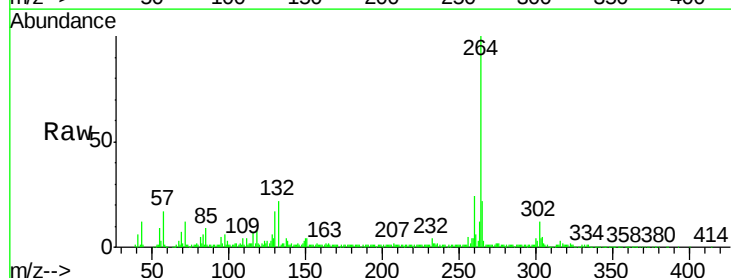
RT: 15.70 min Scan# 2315

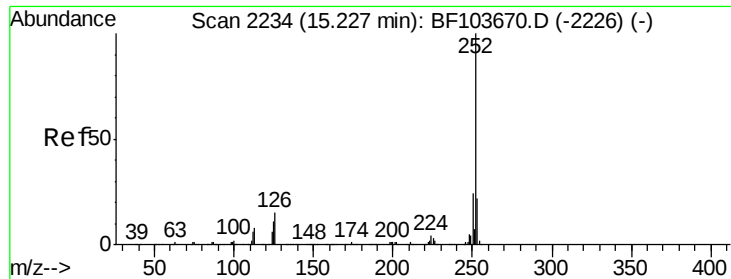
Delta R.T. 0.02 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Tgt Ion:	264	Resp:	237063
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.530 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Instrument :

BNA_F

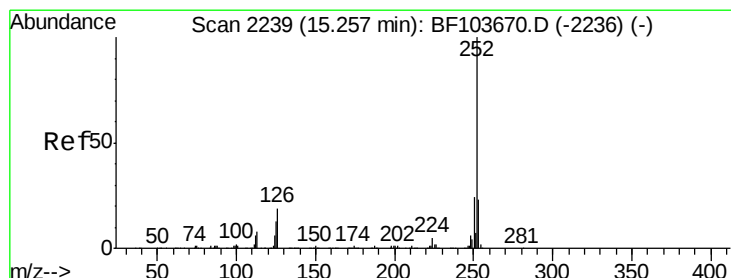
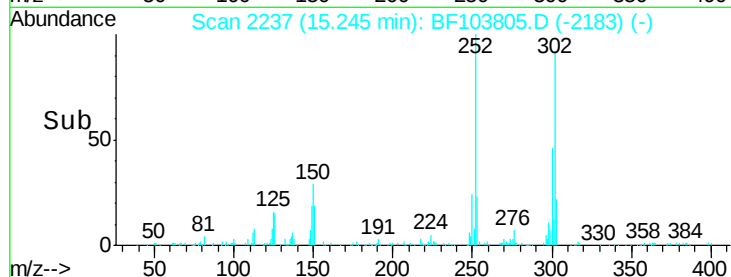
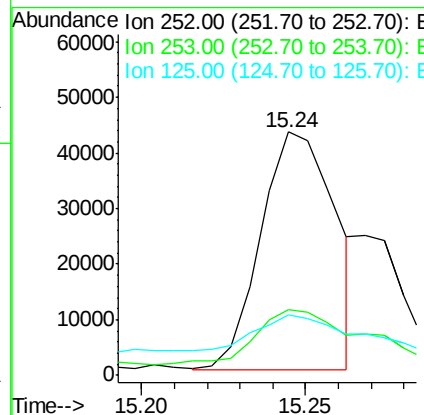
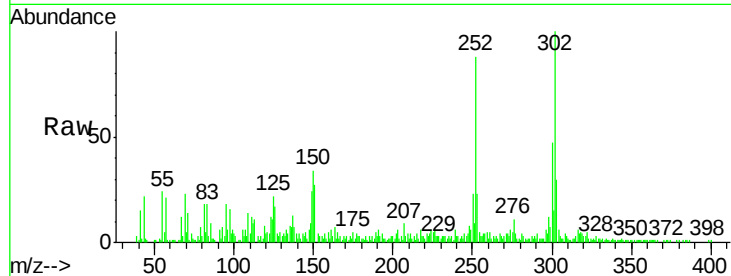
ClientSampled :

SB-110(4-5)

Tot Ion:	252	Resp:	67841
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.0	25.6#
125	25.1	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.017 ng m

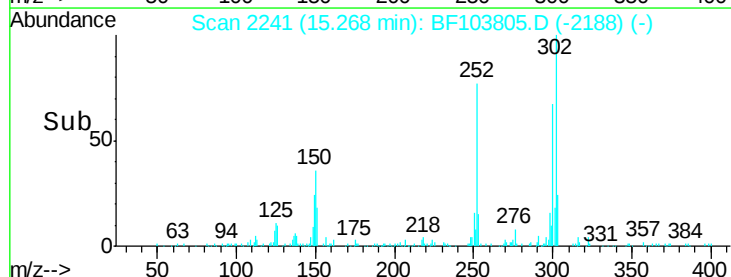
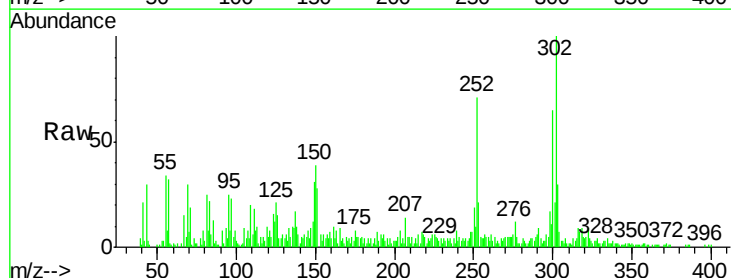
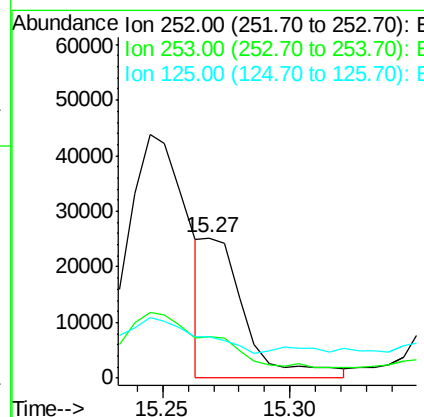
RT: 15.27 min Scan# 2241

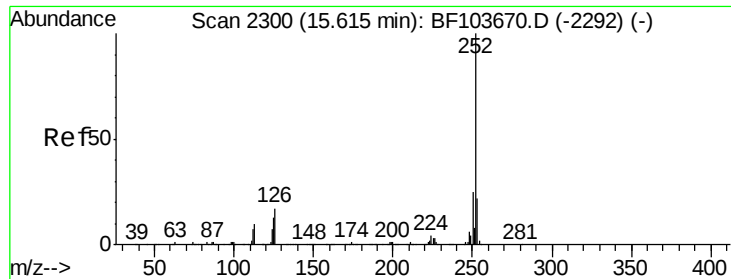
Delta R.T. 0.01 min

Lab File: BF103805.D

Acq: 20 Mar 2018 16:39

Tgt Ion:	252	Resp:	29034
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.9	26.9#
125	29.7	10.2	15.2#





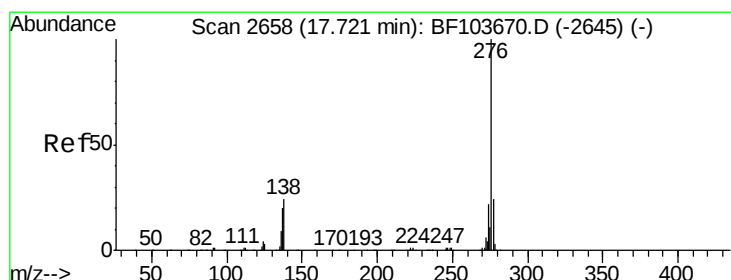
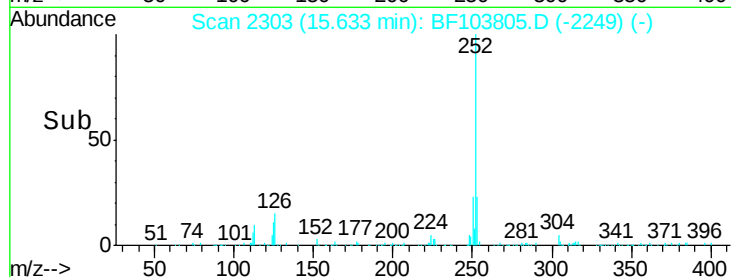
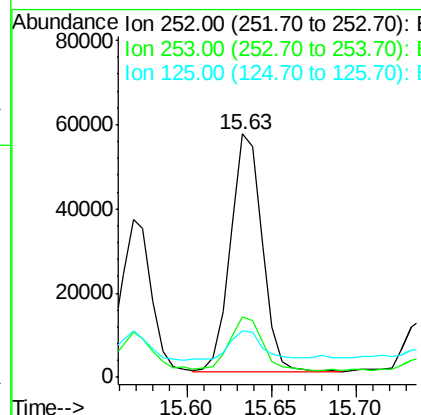
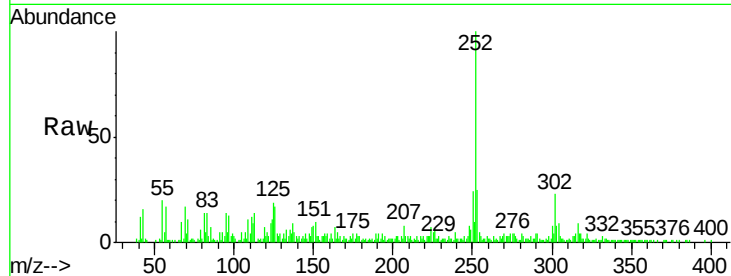
#89
Benzo(a)pyrene
Concen: 5.435 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Instrument :
BNA_F
ClientSampleId :
SB-110(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	19.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.954 ng
RT: 17.76 min Scan# 2664
Delta R.T. 0.04 min
Lab File: BF103805.D
Acq: 20 Mar 2018 16:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9
138	32.4	21.8	32.8

