

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103216.D
 Acq On : 26 Feb 2018 14:07
 Operator : SJ/JU
 Sample : J1652-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 RT-4248

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:22:41 PM

Quant Time: Feb 26 16:15:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	157919	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	652892	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262031	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	362514	20.00	ng	0.00
75) Chrysene-d12	14.04	240	275425	20.00	ng	0.00
86) Perylene-d12	15.54	264	289242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1010782	96.81	ng	0.00
7) Phenol-d6	6.50	99	1183058	92.60	ng	0.00
23) Nitrobenzene-d5	7.43	82	766687	67.06	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	177439	80.00	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1139547	72.27	ng	0.00
78) Terphenyl-d14	12.98	244	724628	63.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	458700	14.350	ng	99
37) 2-Methylnaphthalene	8.86	142	108587	5.256	ng	98
49) Dimethylphthalate	9.62	163	87774	4.176	ng	100
51) Acenaphthene	9.94	154	173798	11.152	ng	99
54) Dibenzofuran	10.11	168	215674	10.081	ng	97
57) Fluorene	10.46	166	286974	15.746	ng	96
70) Phenanthrene	11.42	178	665235	33.345	ng	99
71) Anthracene	11.47	178	251908	12.314	ng	100
72) Carbazole	11.63	167	68957	3.385	ng	98
74) Fluoranthene	12.62	202	891365	44.462	ng	99
77) Pyrene	12.84	202	631765	29.420	ng	99
80) Benzo(a)anthracene	14.03	228	187236	10.477	ng	99
82) Chrysene	14.07	228	222962	12.849	ng	99
87) Benzo(b)fluoranthene	15.10	252	139692m	7.345	ng	
88) Benzo(k)fluoranthene	15.12	252	44892m	2.507	ng	
89) Benzo(a)pyrene	15.47	252	70717	4.164	ng	# 92

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

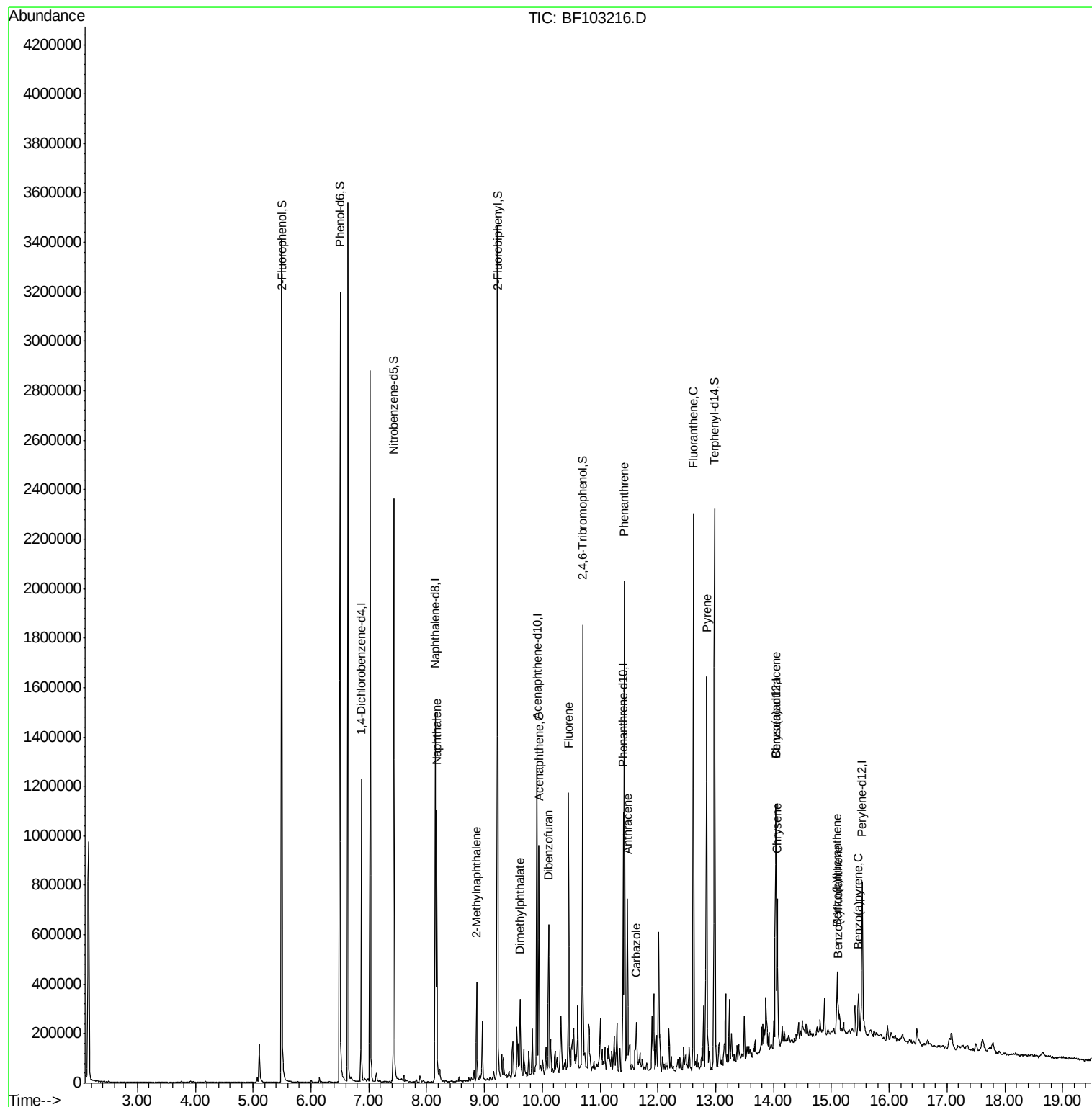
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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#1

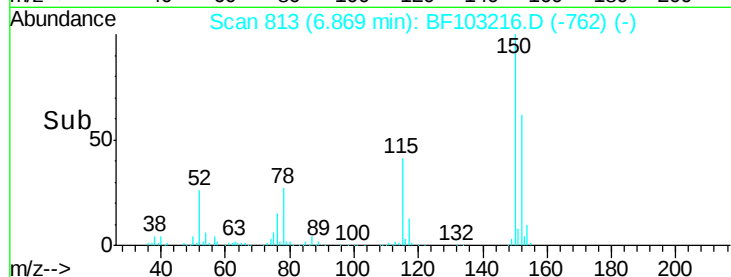
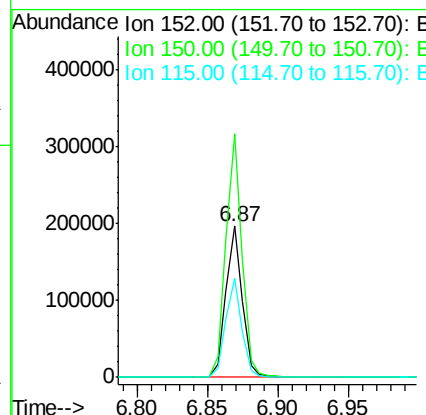
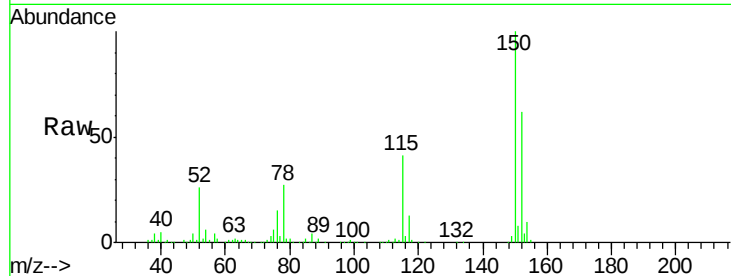
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampleId :
RT-4248

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.6	186.8
115	65.6	50.1	75.1

Manual Integrations
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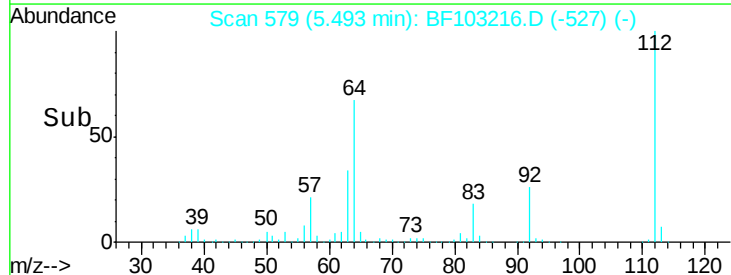
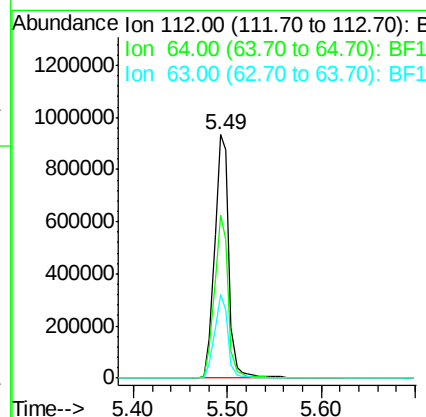
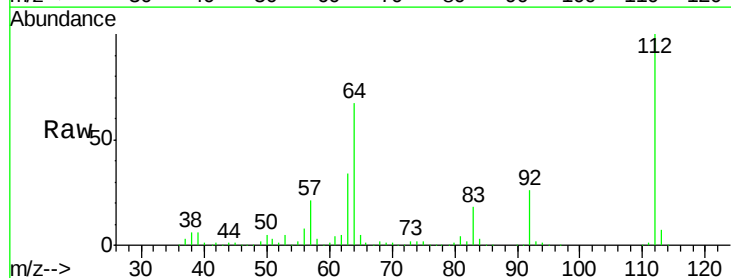
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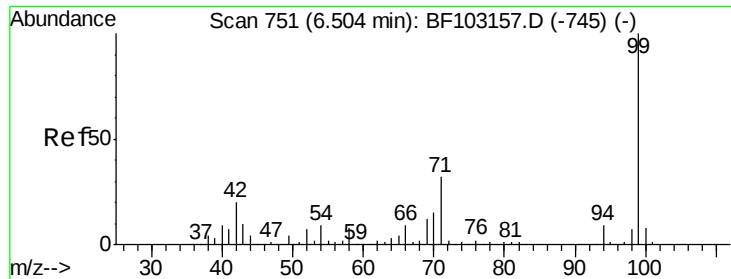


#5

2-Fluorophenol
Concen: 96.805 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	34.2	23.7	35.5





#7

Phenol-d6

Concen: 92.595 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Instrument :

BNA_F

ClientSampleId :

RT-4248

Tot Ion: 99 Resp: 1183058

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

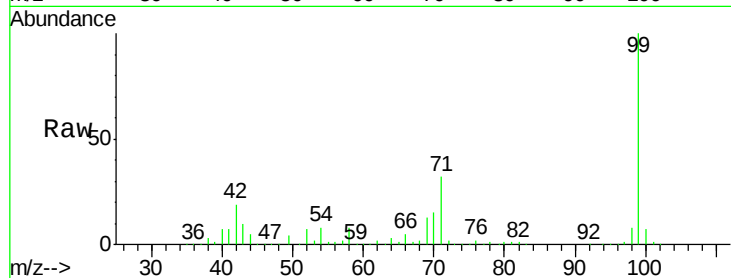
71 32.0 25.4 38.0

Manual Integrations

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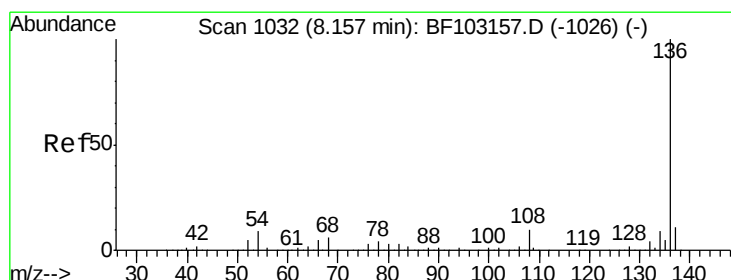
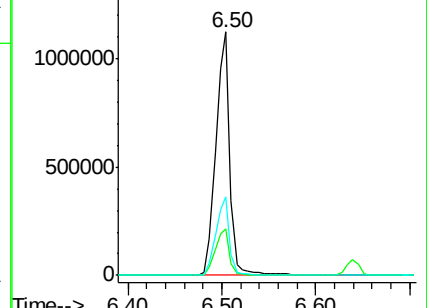
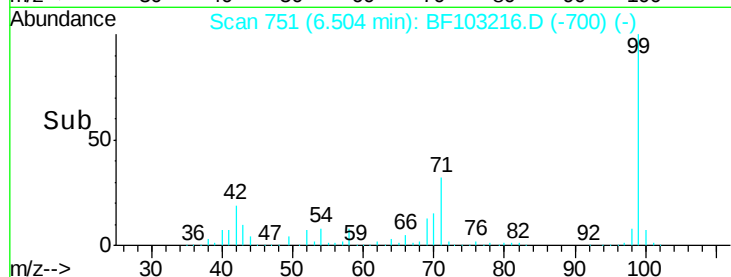
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Tgt Ion: 136 Resp: 652892

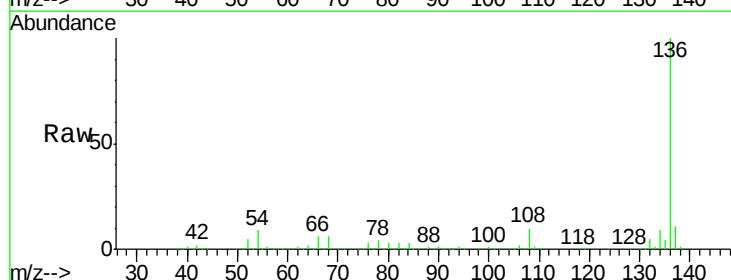
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

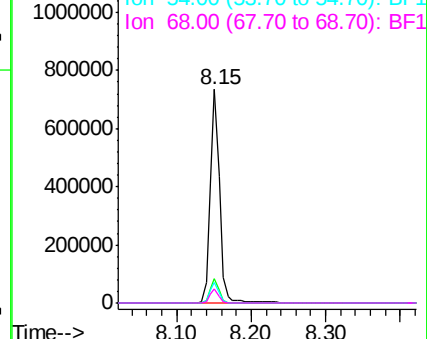
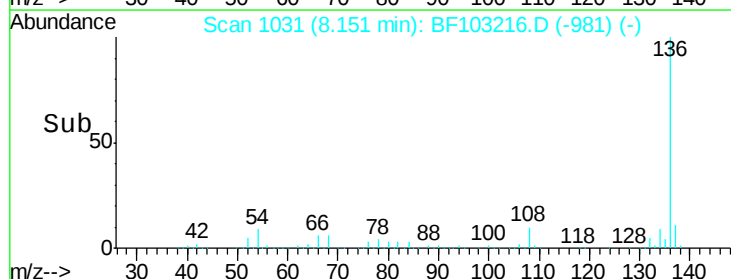


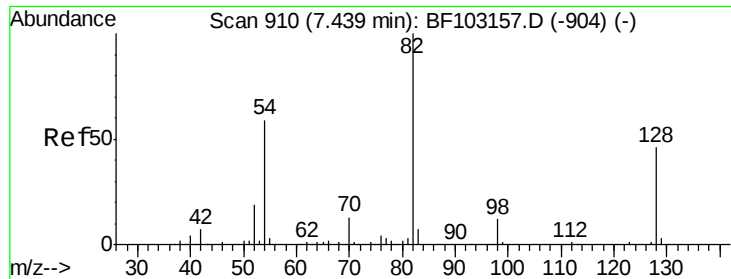
Abundance Ion 136.00 (135.70 to 136.70): E

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





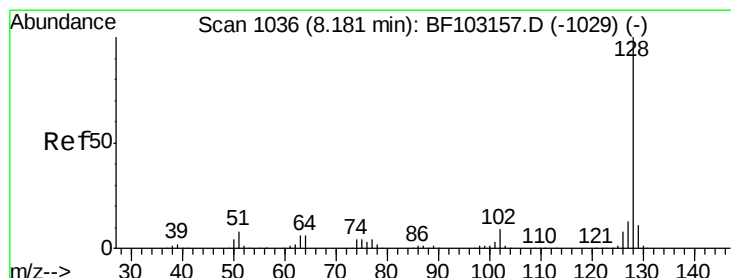
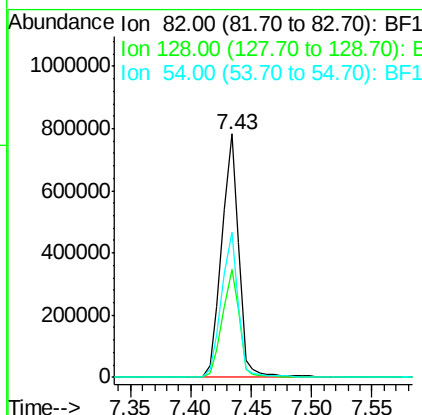
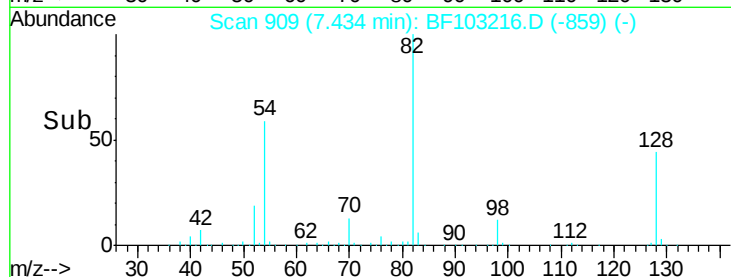
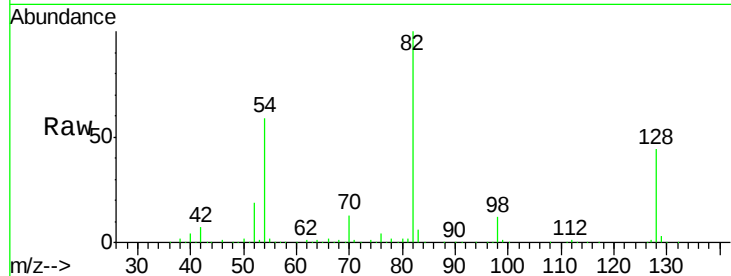
#23
 Nitrobenzene-d5
 Concen: 67.062 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Instrument :
 BNA_F
 ClientSampled :
 RT-4248

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	59.5	41.4	62.2

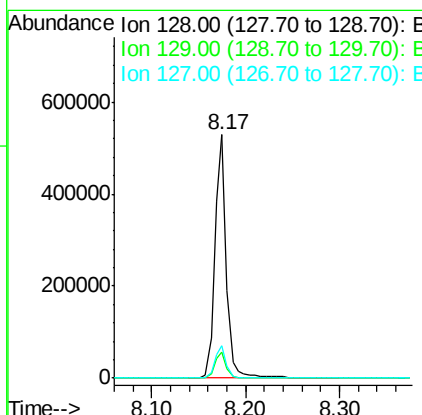
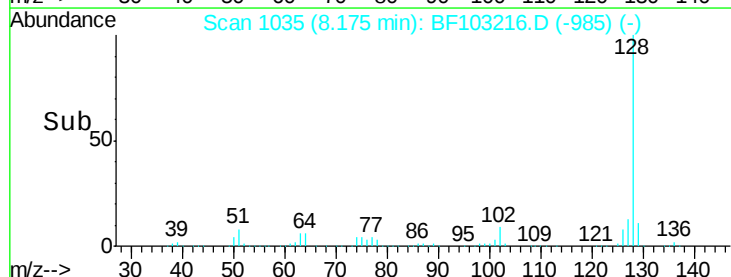
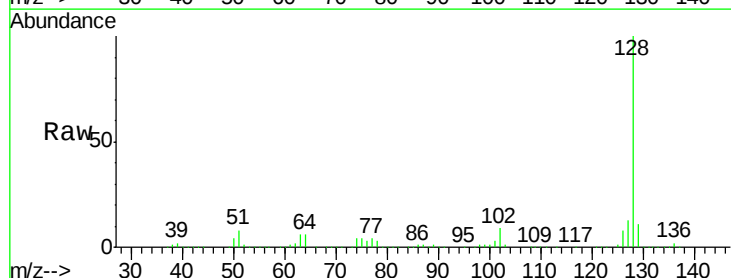
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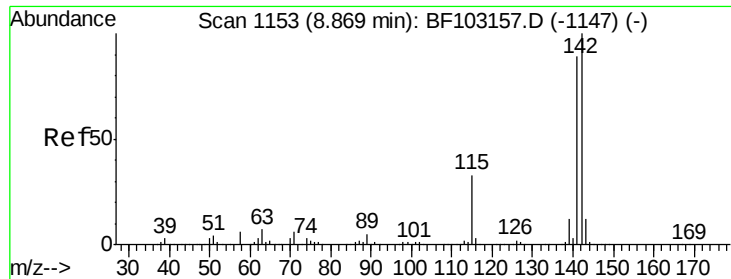
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#31
 Naphthalene
 Concen: 14.350 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.9	16.3





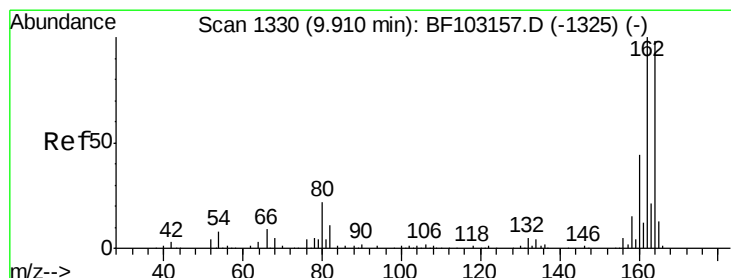
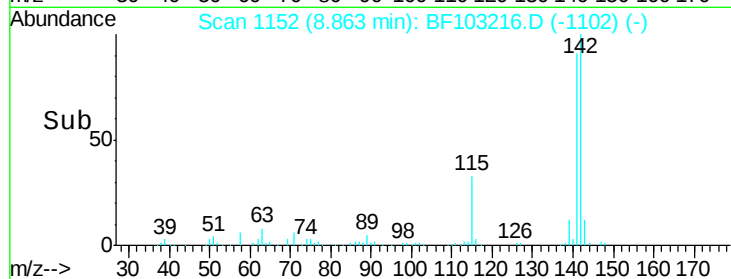
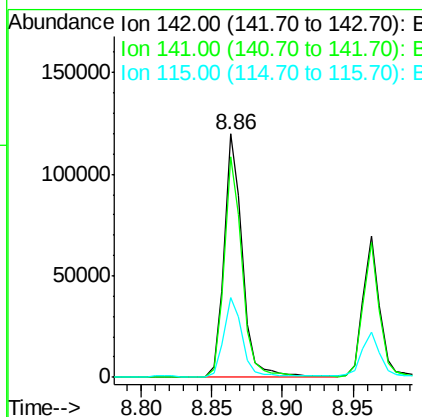
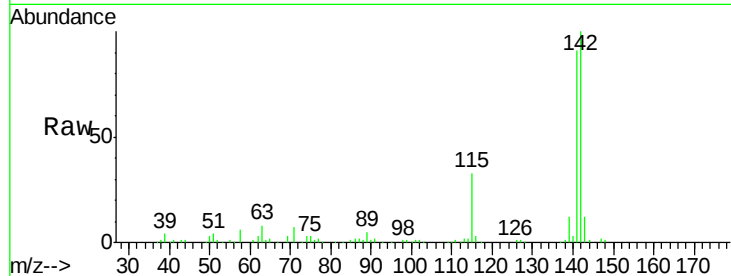
#37
2-Methylnaphthalene
Concen: 5.256 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampleId :
RT-4248

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	32.8	26.1	39.1

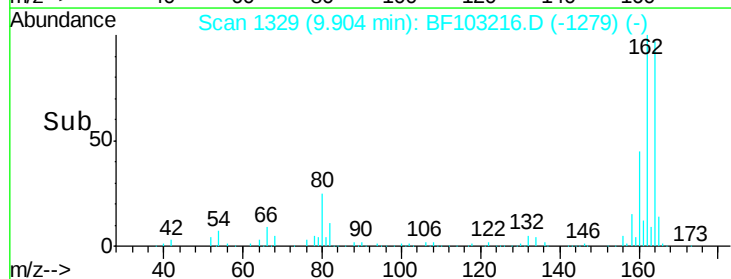
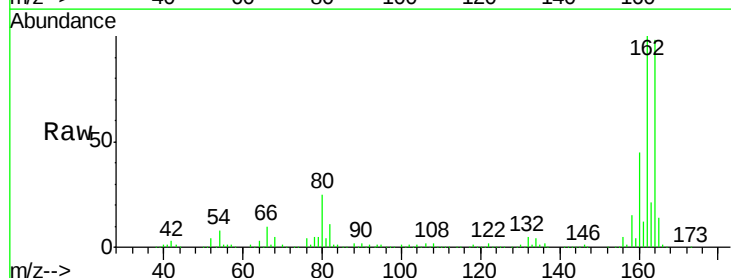
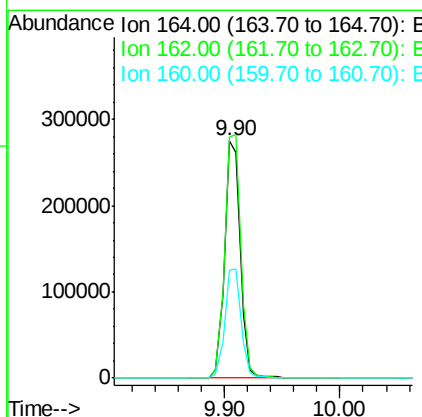
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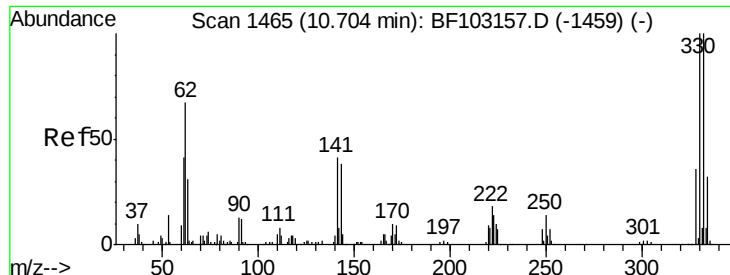
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.4	38.3	57.5





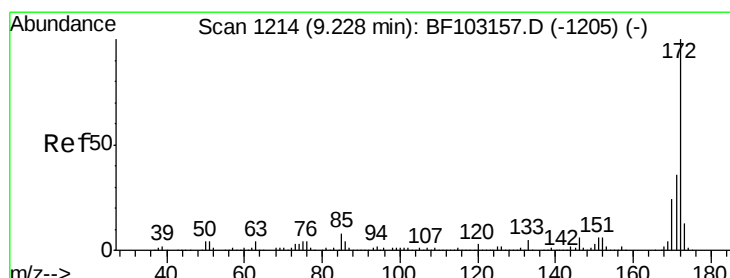
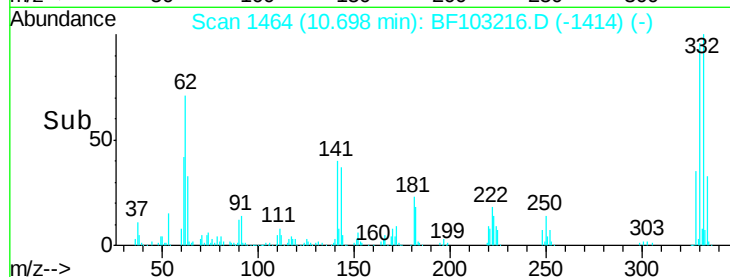
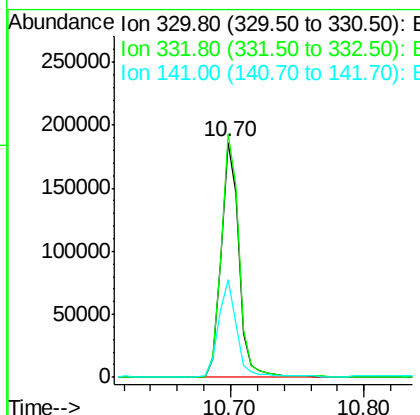
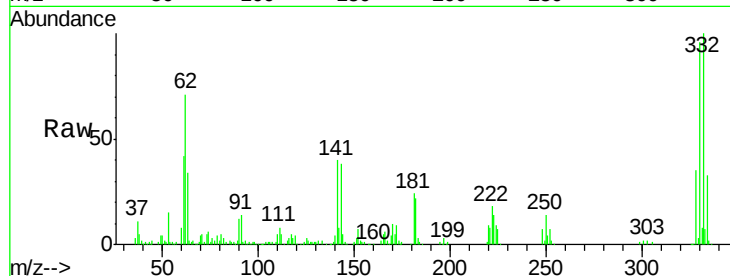
#41
 2,4,6-Tribromophenol
 Concen: 80.001 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Instrument :
 BNA_F
 ClientSampled :
 RT-4248

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.0	115.6
141	44.0	29.9	44.9

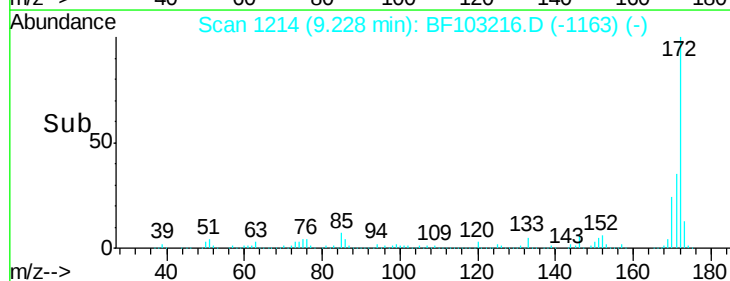
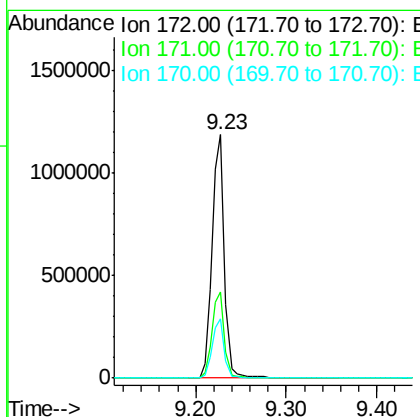
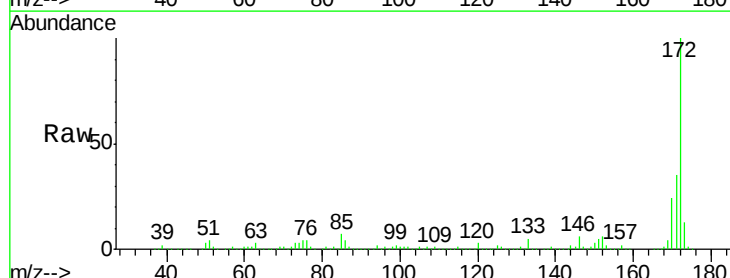
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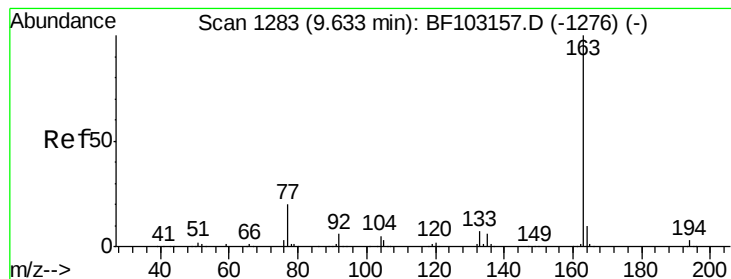
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#44
 2-Fluorobiphenyl
 Concen: 72.267 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 4.176 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Instrument :

BNA_F

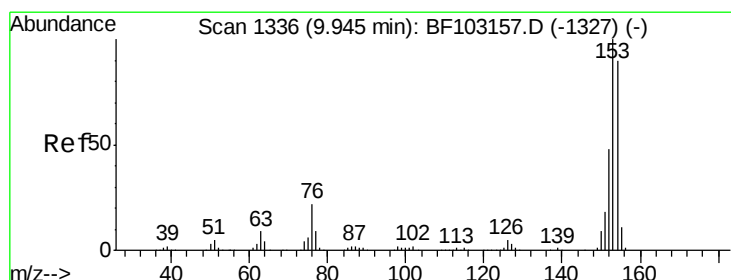
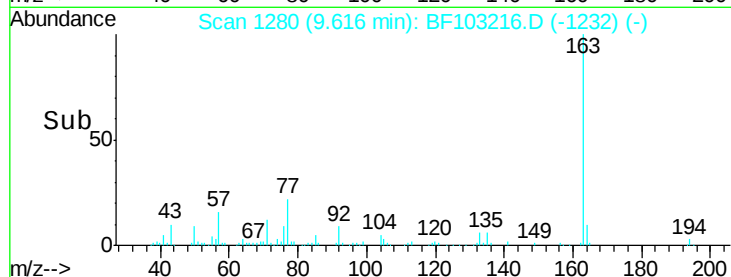
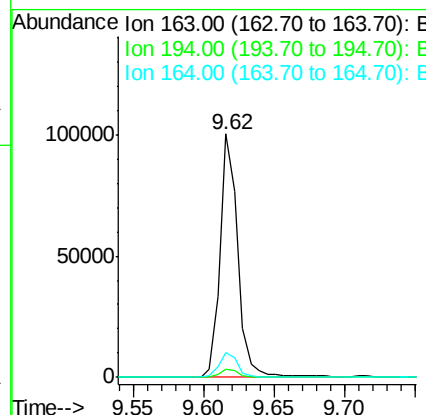
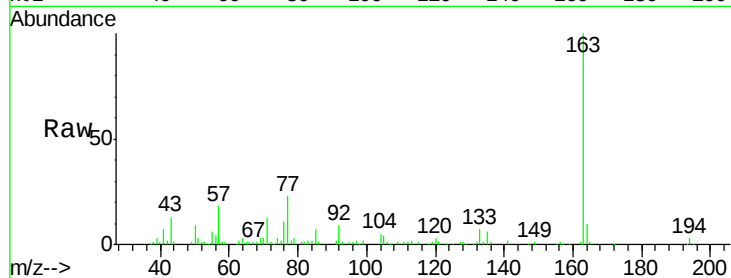
ClientSampled :

RT-4248

Tot Ion:	163	Resp:	87774
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2

Manual Integrations
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#51

Acenaphthene

Concen: 11.152 ng

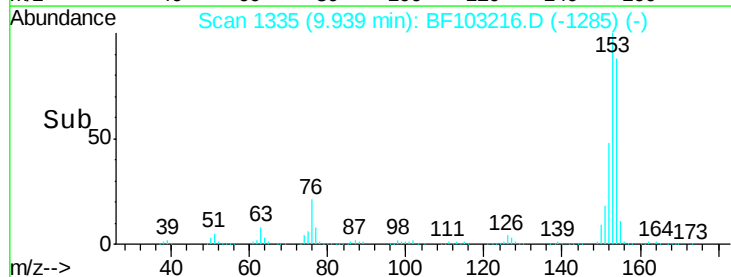
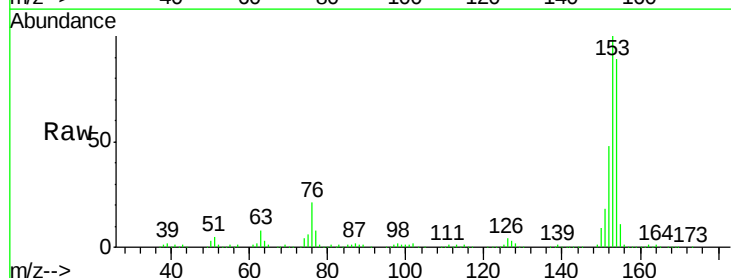
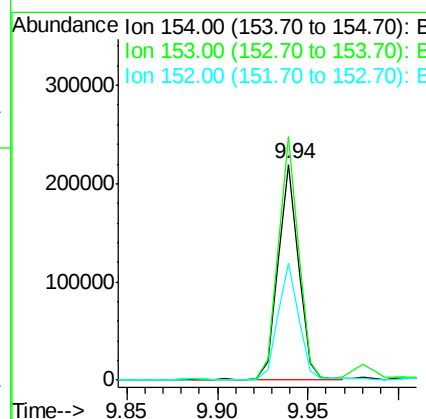
RT: 9.94 min Scan# 1335

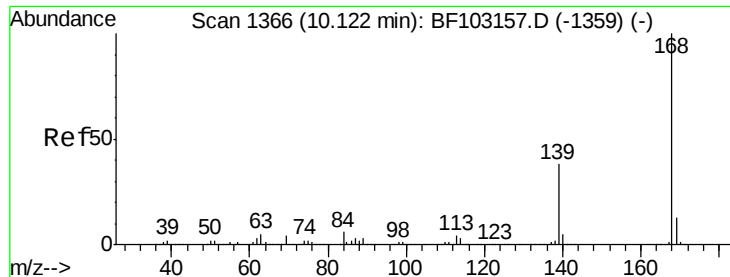
Delta R.T. -0.01 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Tgt Ion:	154	Resp:	173798
Ion Ratio	Lower	Upper	
154	100		
153	112.9	91.2	136.8
152	54.5	43.8	65.8





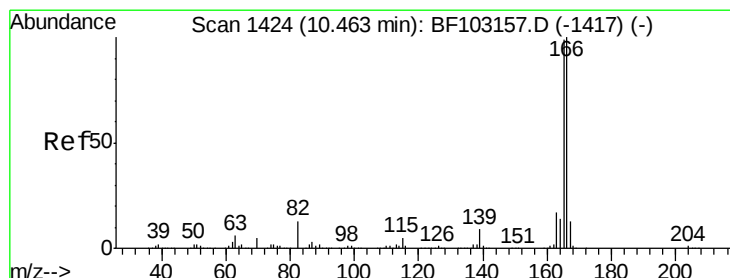
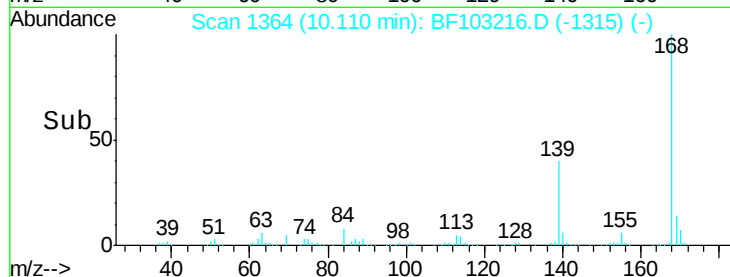
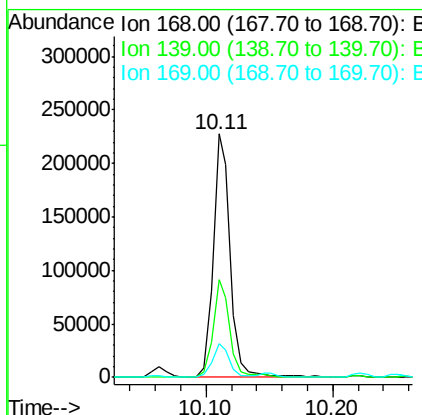
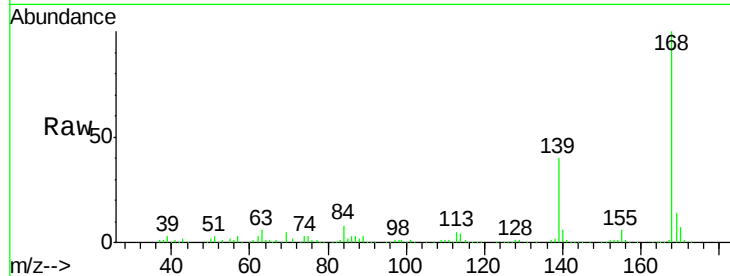
#54
Dibenzenofuran
Concen: 10.081 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampleId :
RT-4248

Tot Ion	Ratio	Resp	Lower	Upper
168	100	215674		
139	40.0		30.1	45.1
169	14.0		10.9	16.3

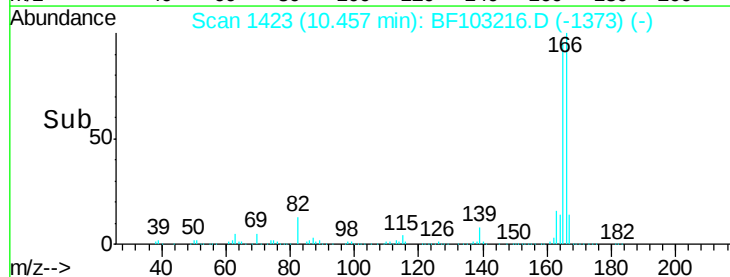
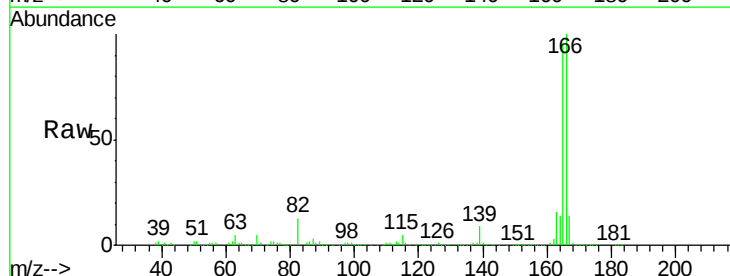
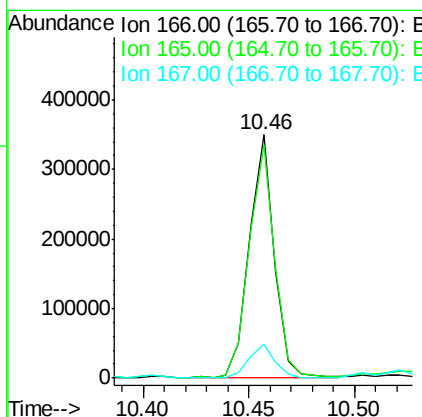
Manual Integrations
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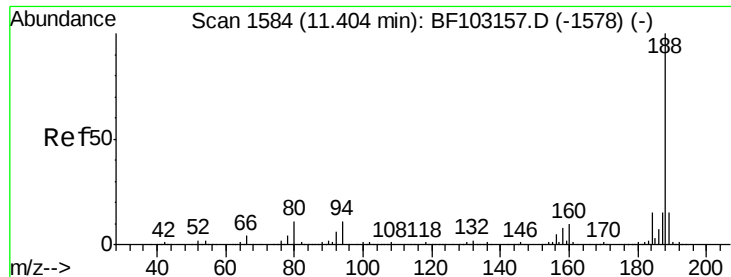
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#57
Fluorene
Concen: 15.746 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	286974		
165	95.8		79.8	119.8
167	14.0		10.6	16.0





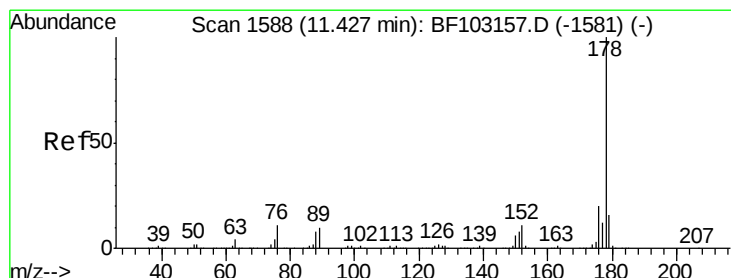
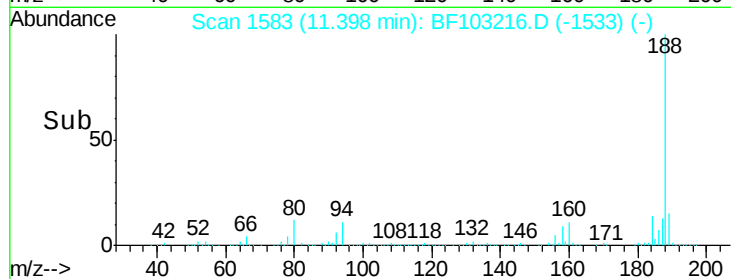
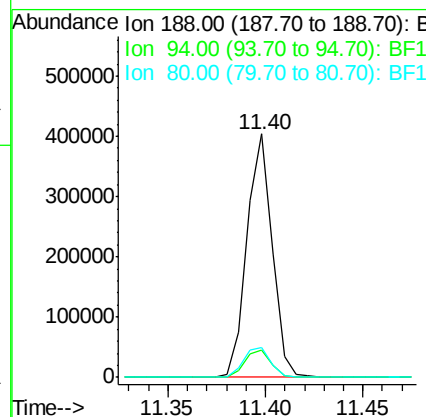
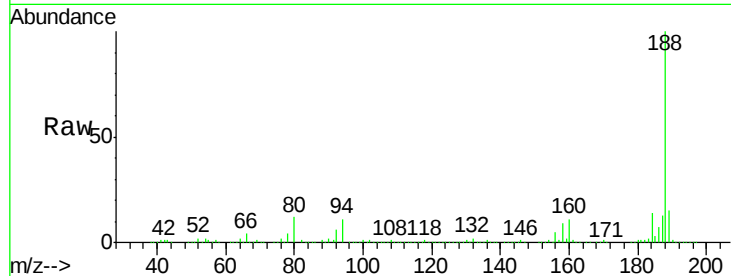
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampled :
RT-4248

Tot Ion	Ratio	Resp	Lower	Upper
188	100	362514		
94	11.4		8.5	12.7
80	12.4		9.2	13.8

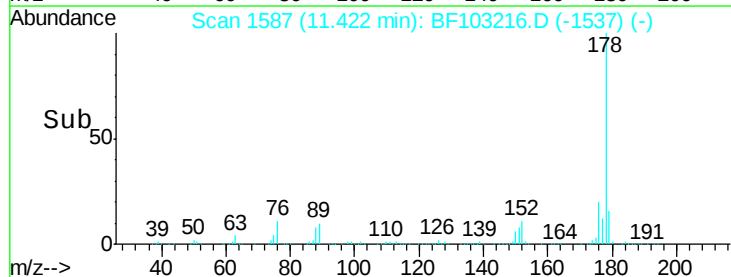
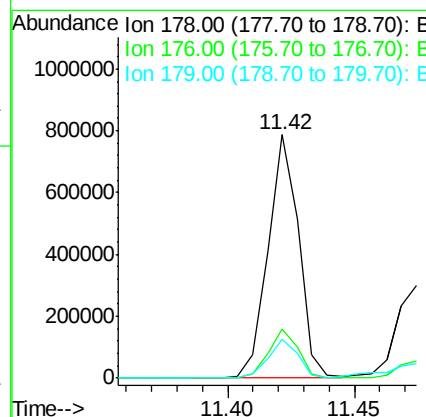
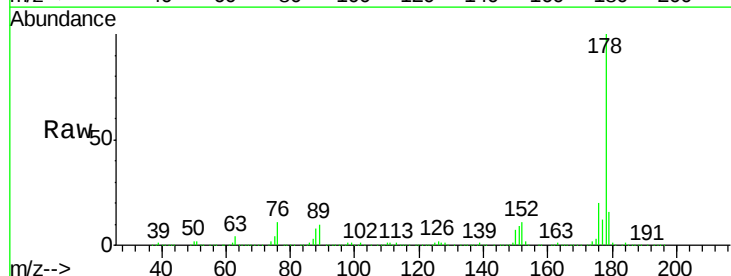
Manual Integrations
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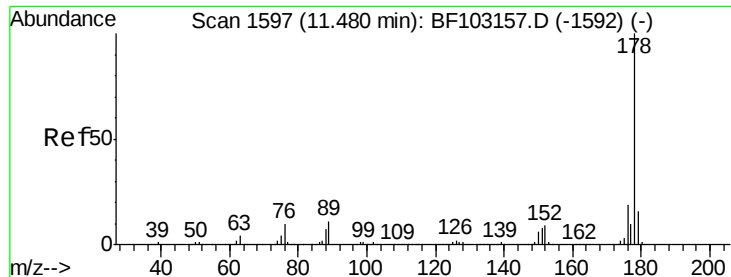
Sohil
2/27/2018 12:22:41 PM



#70
Phenanthrene
Concen: 33.345 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	665235		
176	20.0		15.8	23.8
179	16.0		13.0	19.6





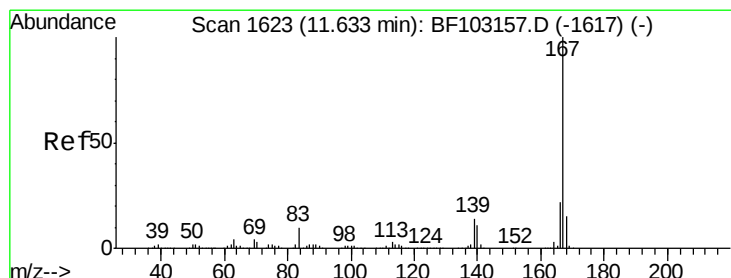
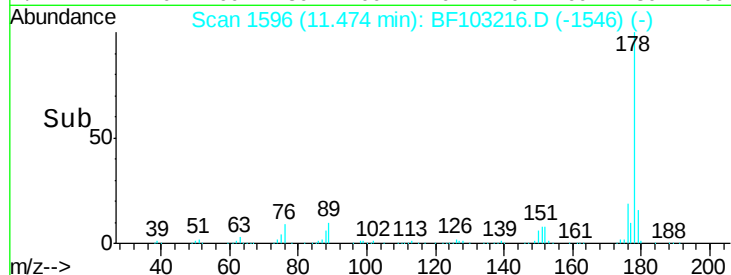
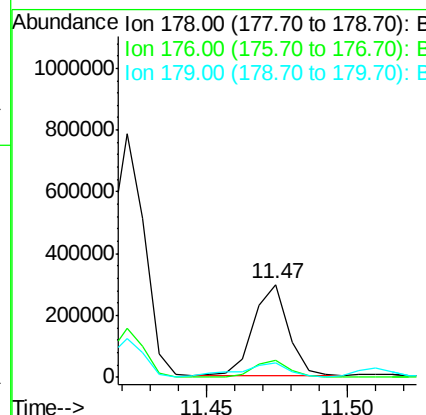
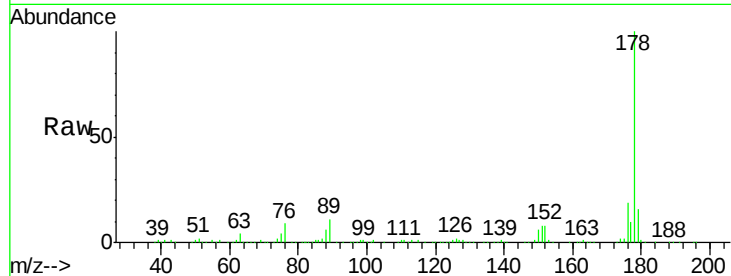
#71
 Anthracene
 Concen: 12.314 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 RT-4248

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.7	12.6	19.0

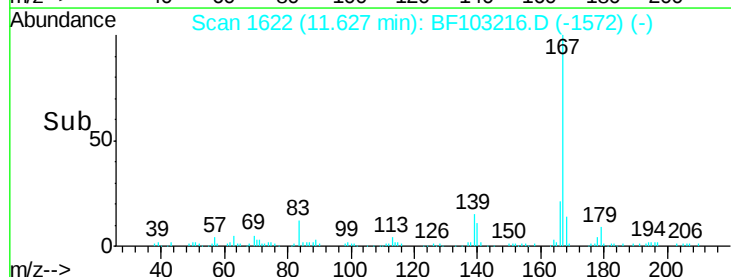
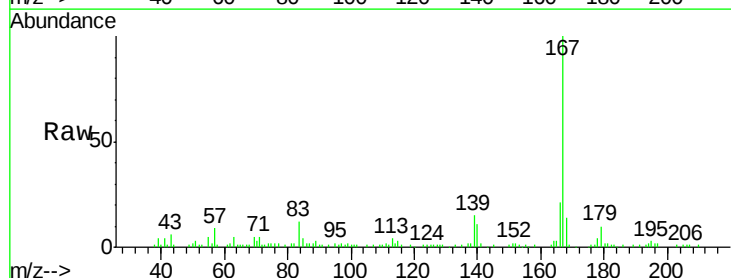
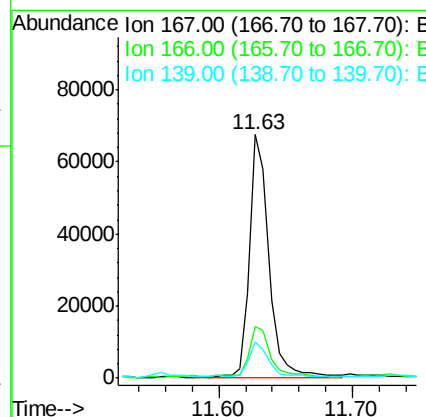
Manual Integrations
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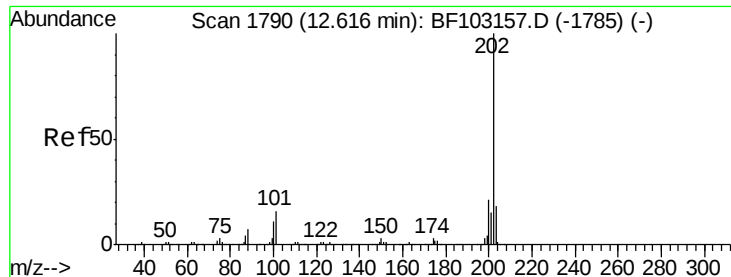
Sohil
 2/27/2018 12:22:41 PM



#72
 Carbazole
 Concen: 3.385 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF103216.D
 Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	14.8	10.9	16.3





#74

Fluoranthene

Concen: 44.462 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Instrument :

BNA_F

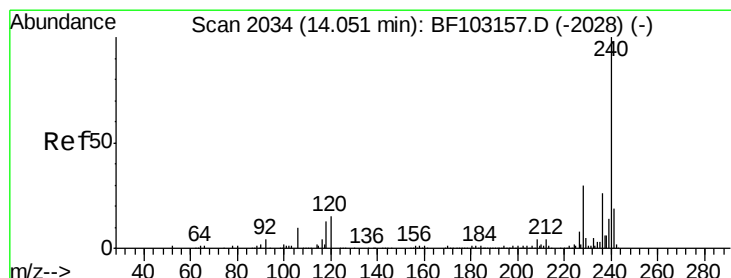
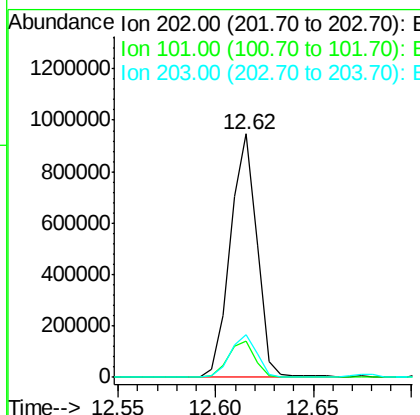
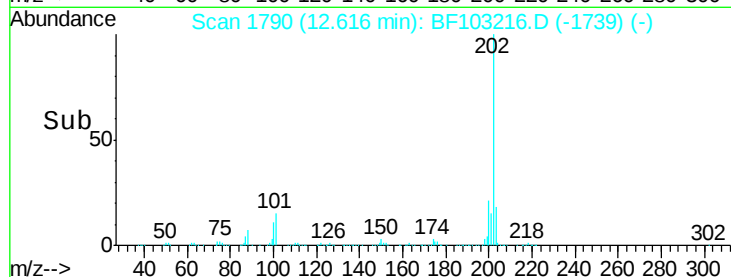
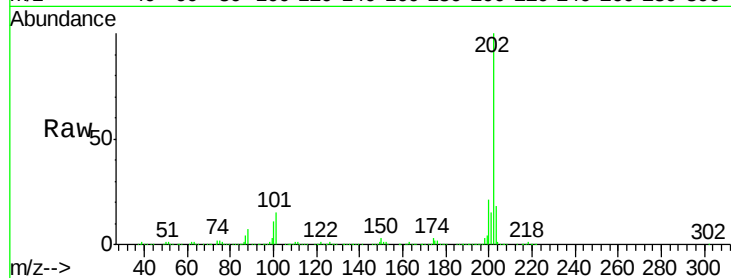
ClientSampleId :

RT-4248

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.8	0.0	34.1		
203	17.7	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

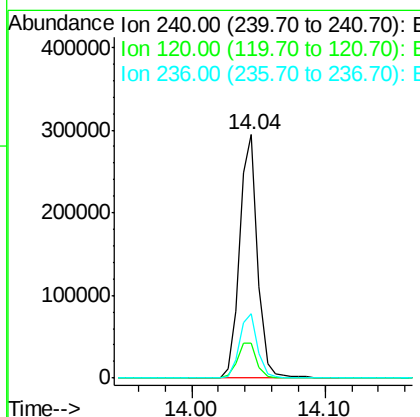
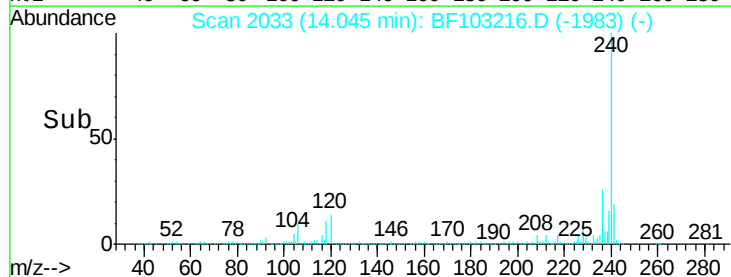
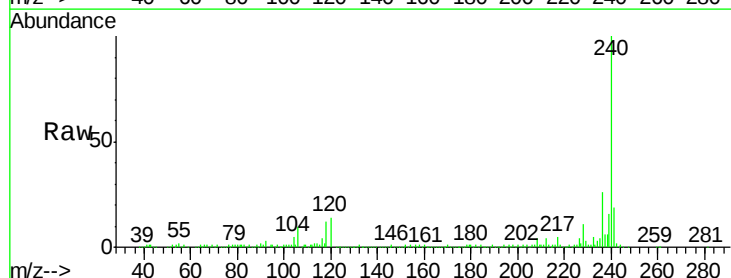
RT: 14.04 min Scan# 2033

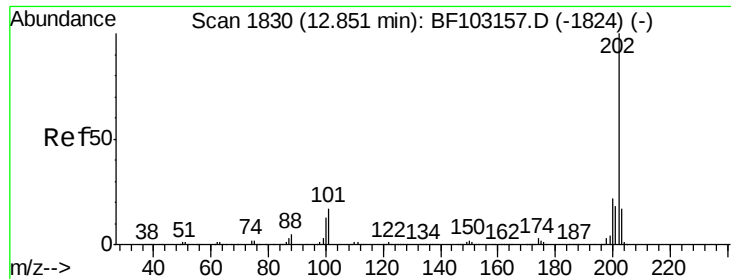
Delta R.T. -0.01 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.5	9.5	14.3#		
236	26.3	20.7	31.1		





#77

Pvrene

Concen: 29.420 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Instrument :

BNA_F

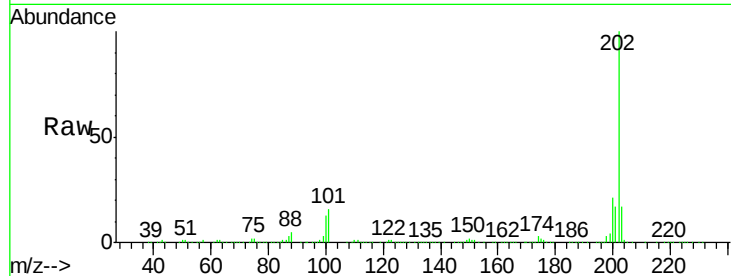
ClientSampleId :

RT-4248

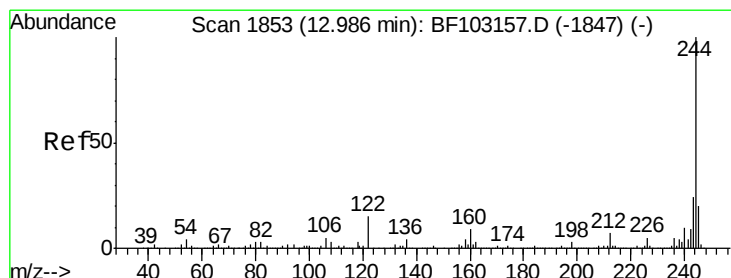
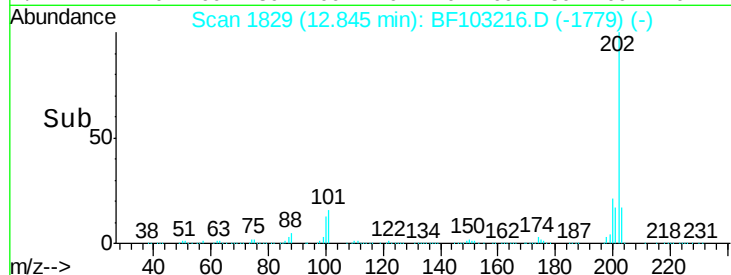
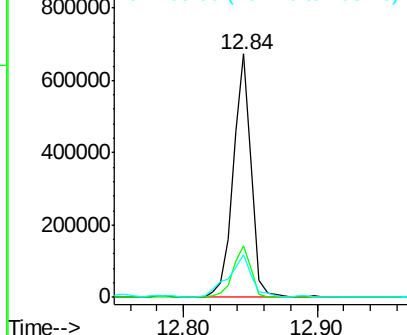
Tot Ion:	202	Resp:	631765
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.4	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.244 ng

RT: 12.98 min Scan# 1852

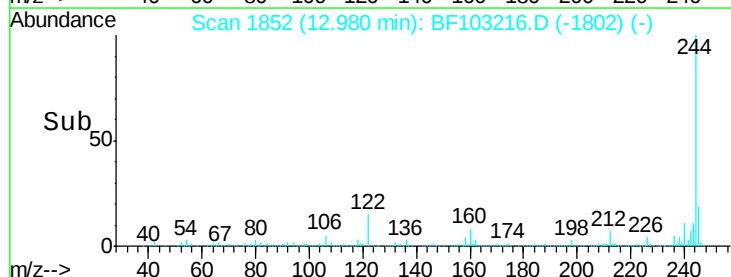
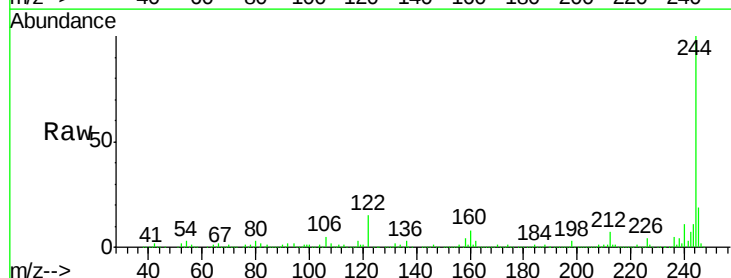
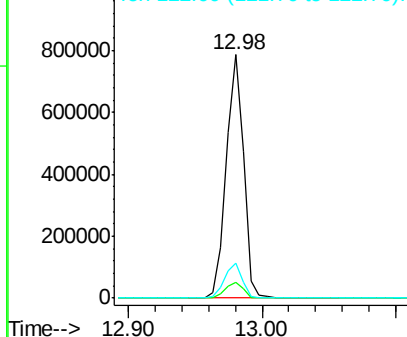
Delta R.T. -0.01 min

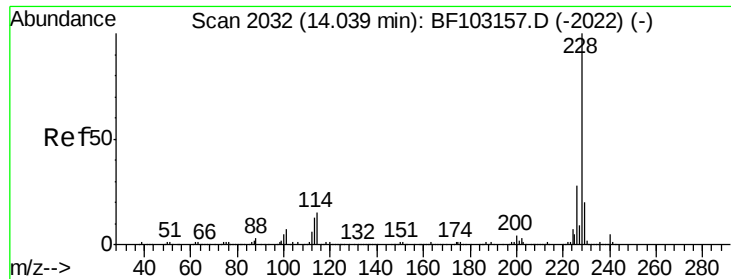
Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Tgt Ion:	244	Resp:	724628
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.5	11.0	16.4

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





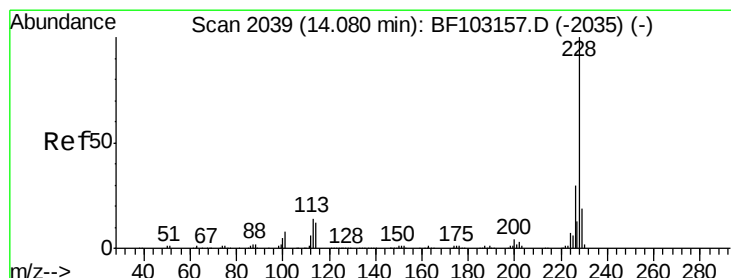
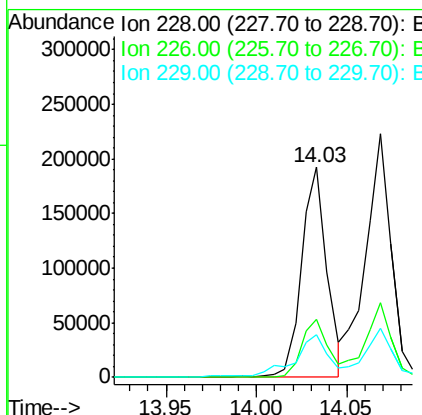
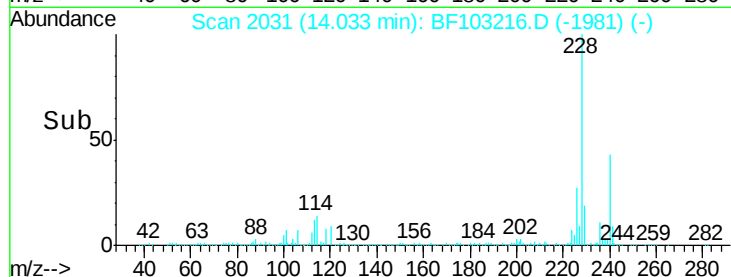
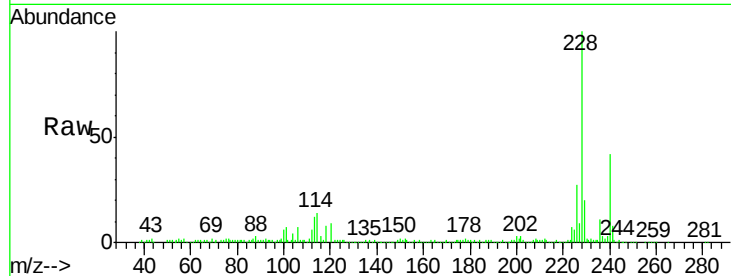
#80
Benzo(a)anthracene
Concen: 10.477 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampled :
RT-4248

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.1	15.8	23.6

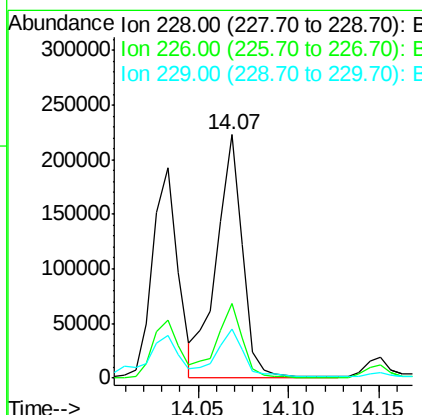
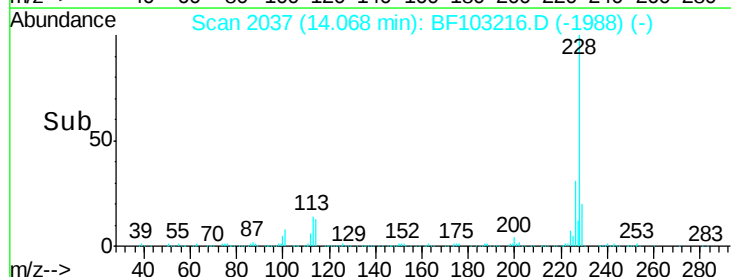
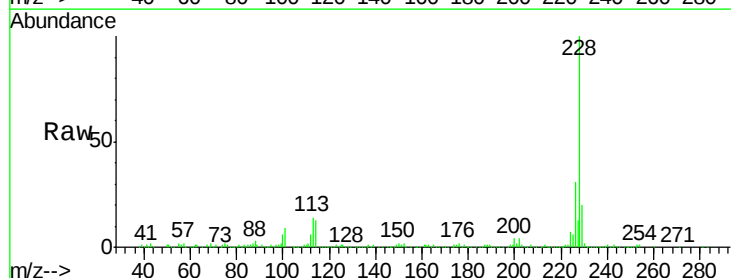
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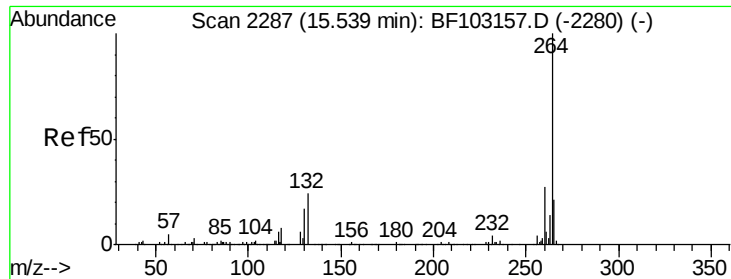
Sohil
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#82
Chrysene
Concen: 12.849 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.2	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Instrument :

BNA_F

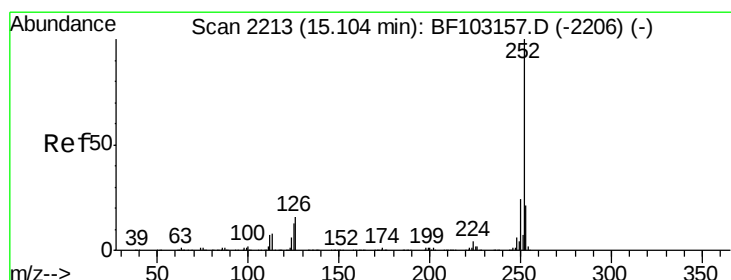
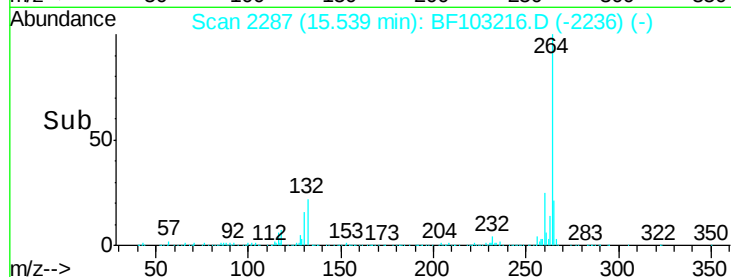
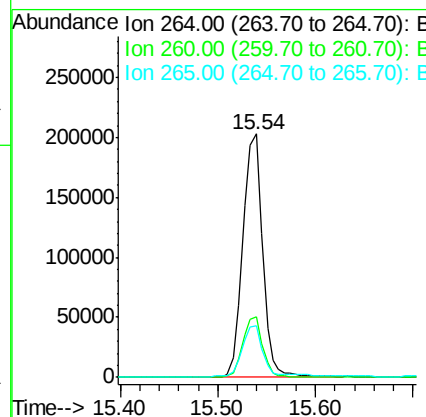
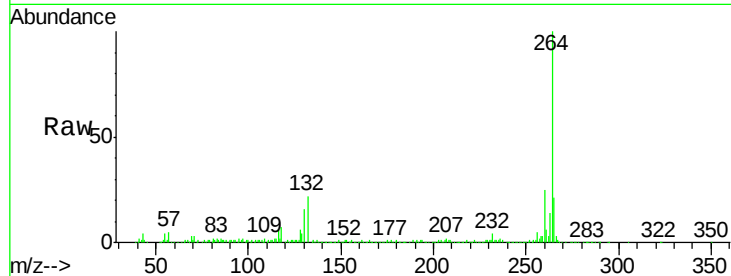
ClientSampled :

RT-4248

Tot Ion:	264	Resp:	289242
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	21.1	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 7.345 ng m

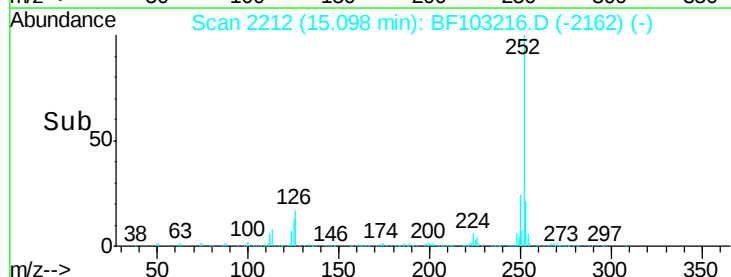
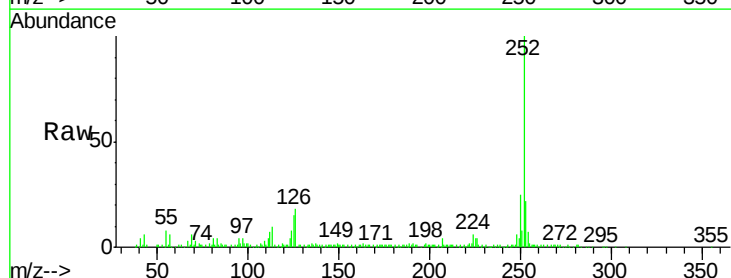
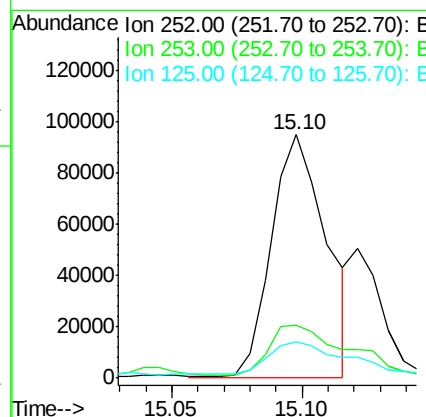
RT: 15.10 min Scan# 2212

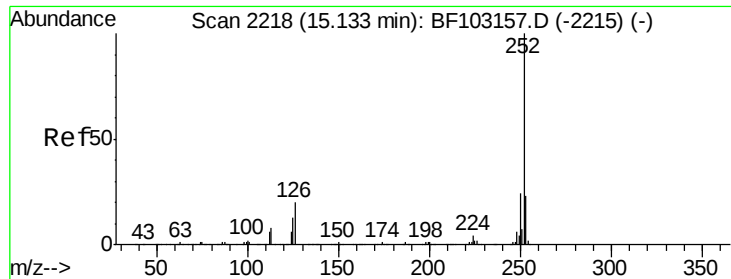
Delta R.T. -0.01 min

Lab File: BF103216.D

Acq: 26 Feb 2018 14:07

Tgt Ion:	252	Resp:	139692
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	15.0	9.0	13.6#





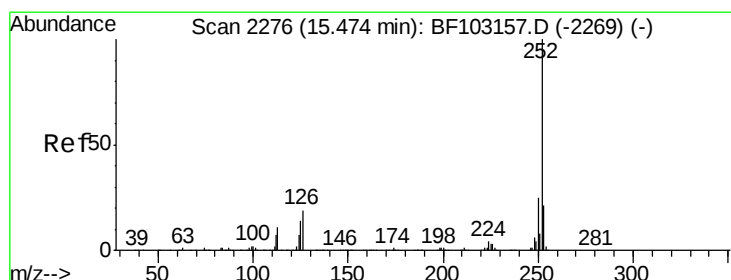
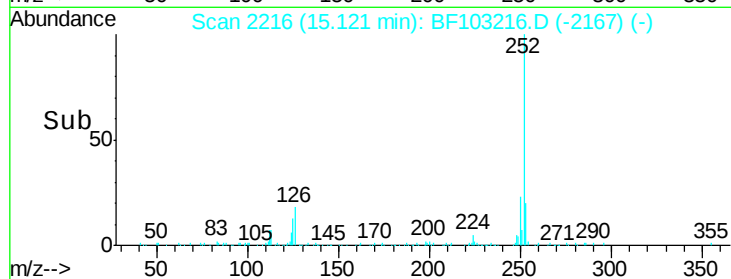
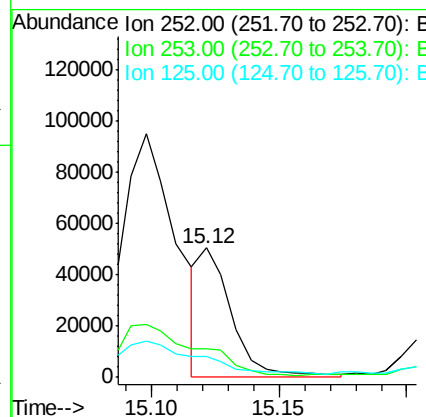
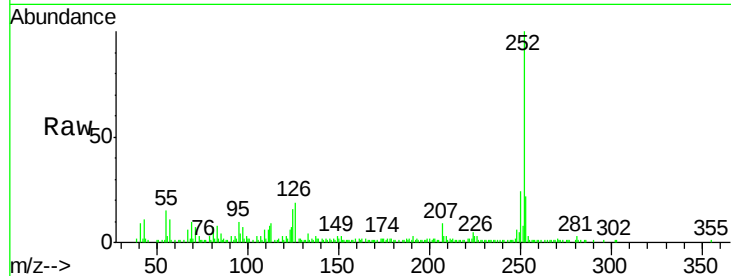
#88
Benzo(k)fluoranthene
Concen: 2.507 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Instrument :
BNA_F
ClientSampleId :
RT-4248

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	16.2	10.2	15.2

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 4.164 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF103216.D
Acq: 26 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	17.1	9.8	14.6

