

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110524.D
 Acq On : 6 Nov 2018 19:25
 Operator : JU/SJ
 Sample : J5826-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 SB-2

Manual Integrations
 APPROVED

Sohil
 11/7/2018 2:54:33 PM

Quant Time: Nov 07 10:43:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	97559	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	411118	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	200096	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	335106	20.00	ng	0.00
76) Chrysene-d12	14.13	240	190012	20.00	ng	0.00
87) Perylene-d12	15.66	264	194863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	578494	96.56	ng	0.00
7) Phenol-d6	6.58	99	743023	96.96	ng	0.00
23) Nitrobenzene-d5	7.52	82	482772	69.65	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	178255	89.93	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	918596	72.09	ng	0.00
79) Terphenyl-d14	13.07	244	663767	72.65	ng	0.00
Target Compounds						
10) Phenol	6.59	94	53125	6.486	ng	Qvalue # 66
50) Dimethylphthalate	9.70	163	135716	9.188	ng	99
52) Acenaphthene	10.03	154	64248	5.066	ng	94
55) Dibenzofuran	10.20	168	84200	4.742	ng	95
58) Fluorene	10.55	166	120985	9.155	ng	99
71) Phenanthrene	11.52	178	984716	56.159	ng	100
72) Anthracene	11.56	178	342792	19.504	ng	99
73) Carbazole	11.72	167	35466	2.067	ng	95
75) Fluoranthene	12.71	202	815975	45.853	ng	98
78) Pyrene	12.94	202	644909	47.342	ng	98
81) Benzo(a)anthracene	14.12	228	268297	23.810	ng	99
83) Chrysene	14.16	228	205108	19.164	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	108774	12.251	ng	98
88) Benzo(b)fluoranthene	15.20	252	269582m	23.957	ng	
89) Benzo(k)fluoranthene	15.23	252	102106m	9.230	ng	
90) Benzo(a)pyrene	15.59	252	211730	20.449	ng	98
91) Dibenzo(a,h)anthracene	17.22	278	28329m	3.171	ng	
92) Benzo(g,h,i)perylene	17.70	276	96557	10.968	ng	96

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

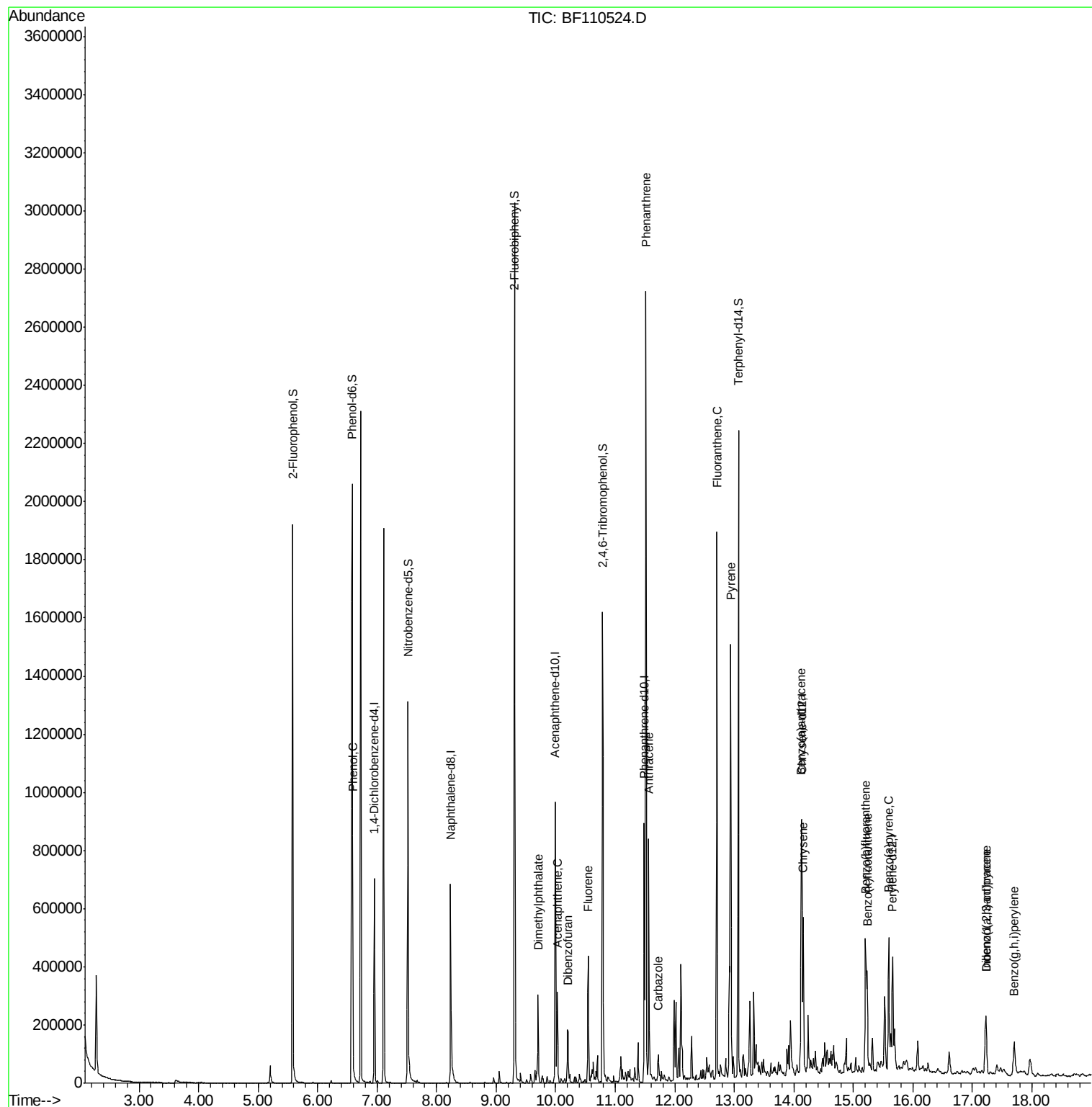
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

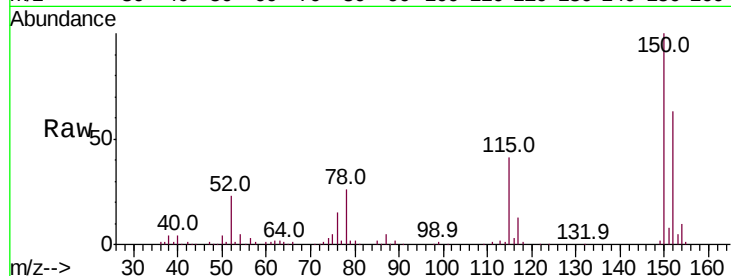
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.7	184.1
115	64.2	49.1	73.7

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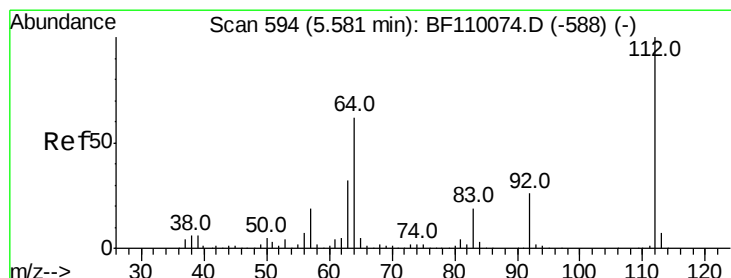
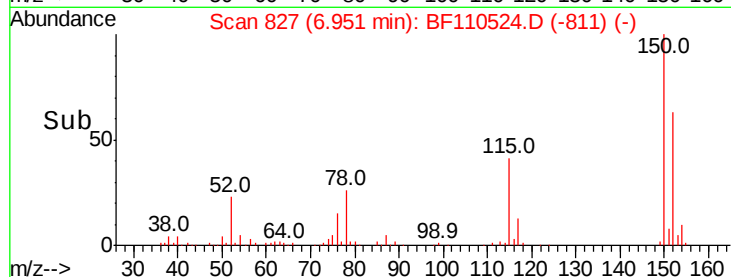
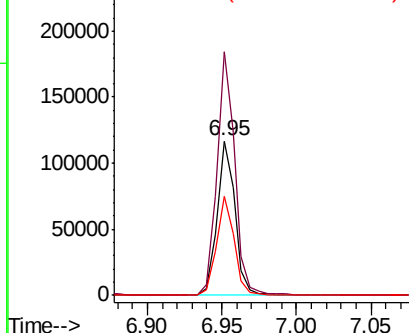


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

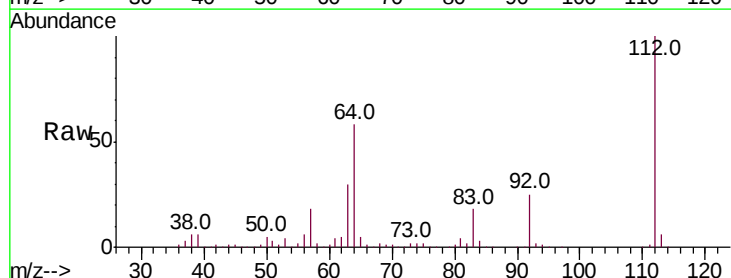
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.562 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.2	23.7	35.5

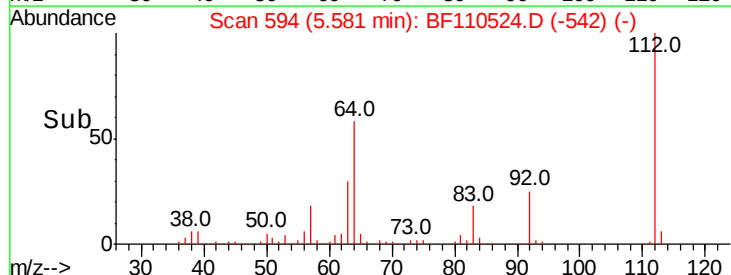
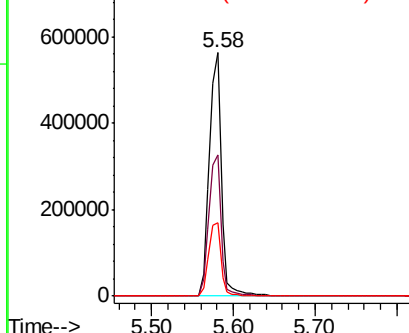


Abundance

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: 96.965 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Instrument :

BNA_F

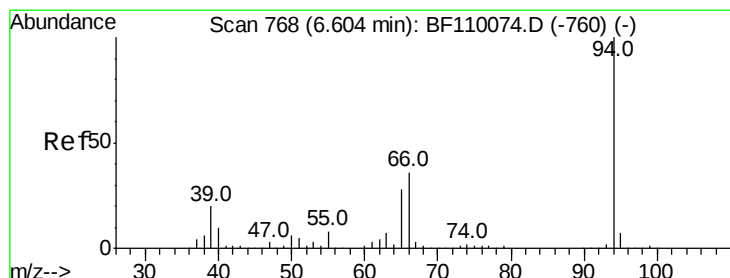
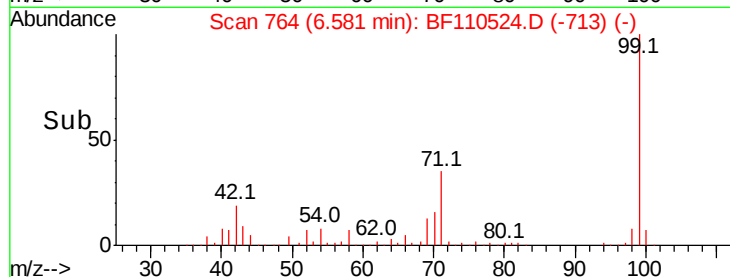
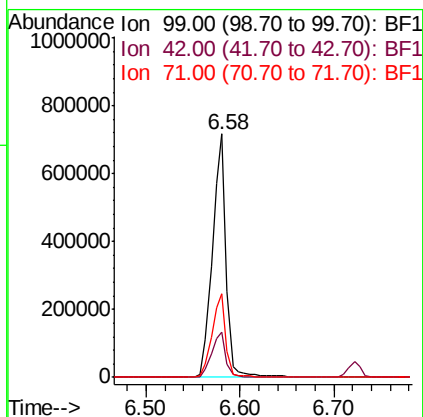
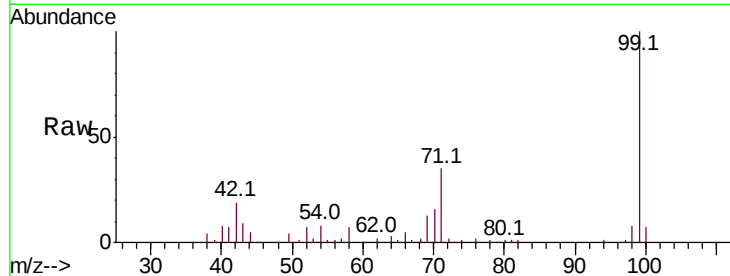
ClientSampled :

SB-2

Tot Ion:	99	Resp:	743023
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.8	23.6
71	34.5	28.0	42.0

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#10

Phenol

Concen: 6.486 ng

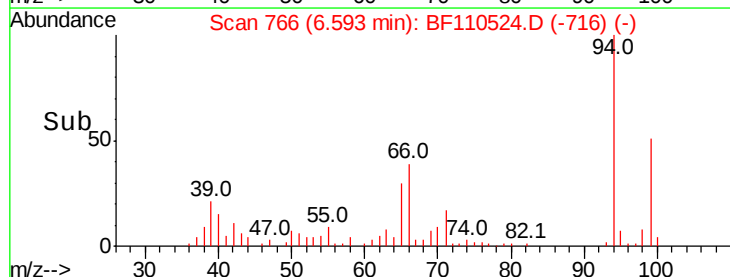
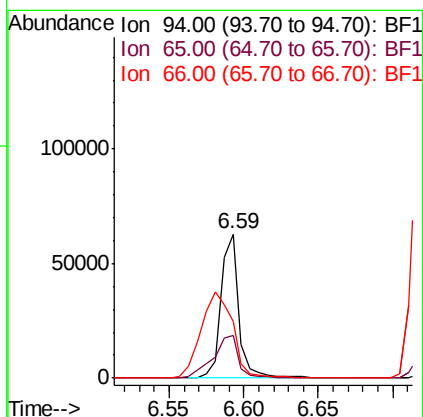
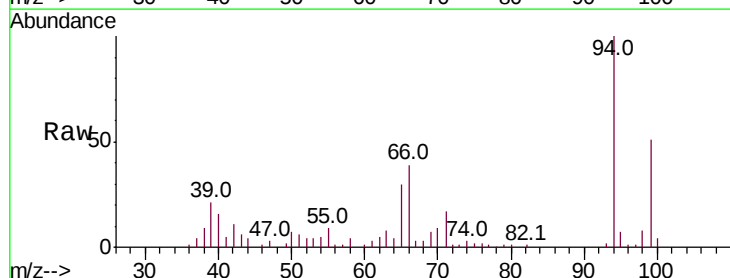
RT: 6.59 min Scan# 766

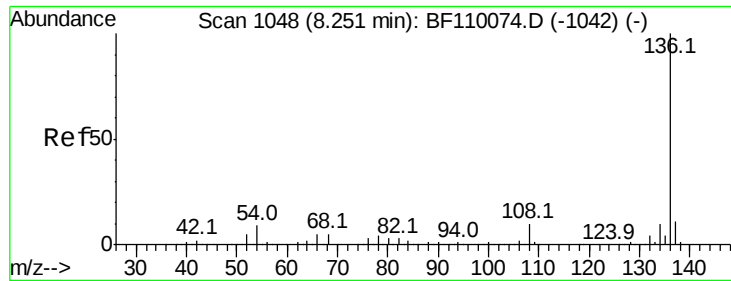
Delta R.T. -0.01 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Tgt Ion:	94	Resp:	53125
Ion Ratio	Lower	Upper	
94	100		
65	30.1	25.3	65.3
66	39.5	54.5	94.5#





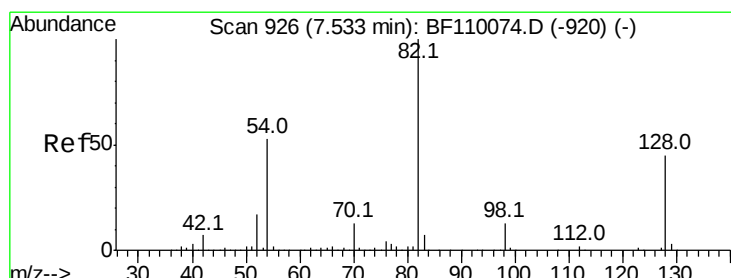
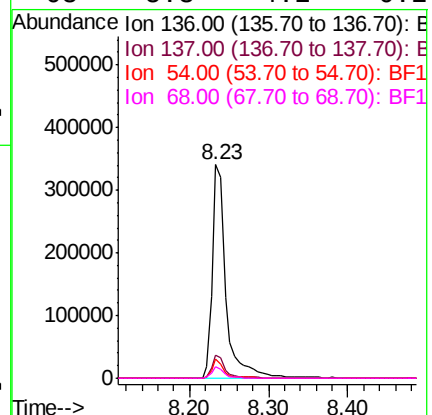
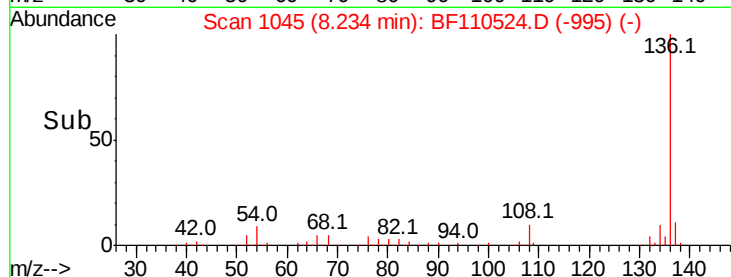
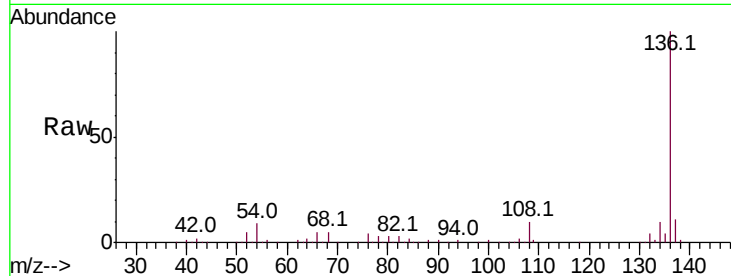
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	411118		
137	11.1	8.8	13.2	
54	8.9	5.4	8.2#	
68	5.3	4.2	6.2	

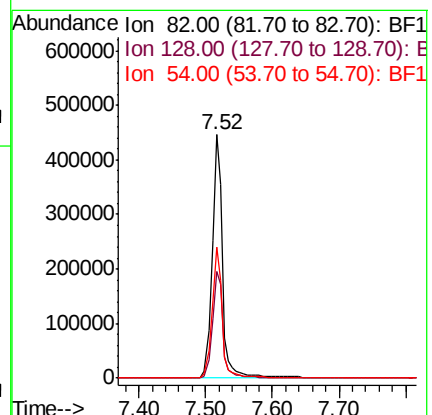
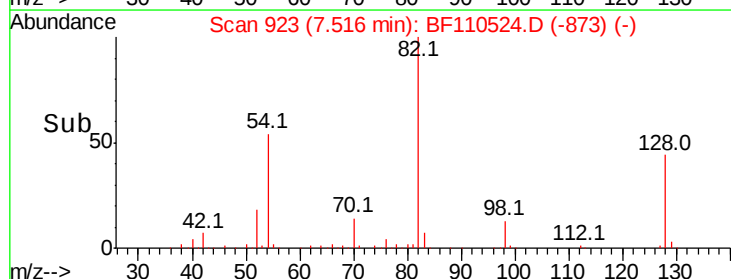
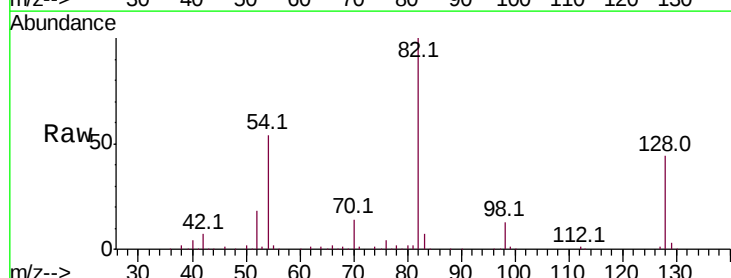
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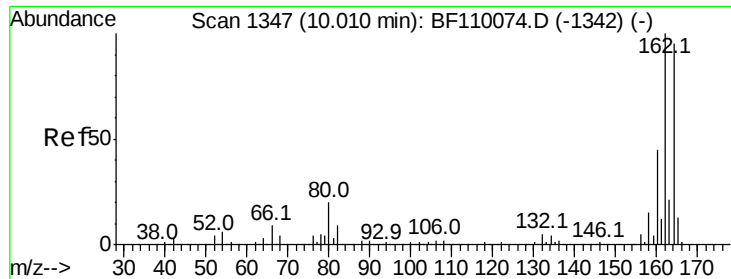
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#23
Nitrobenzene-d5
Concen: 69.651 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	482772		
128	43.6	34.2	51.2	
54	53.6	38.6	58.0	





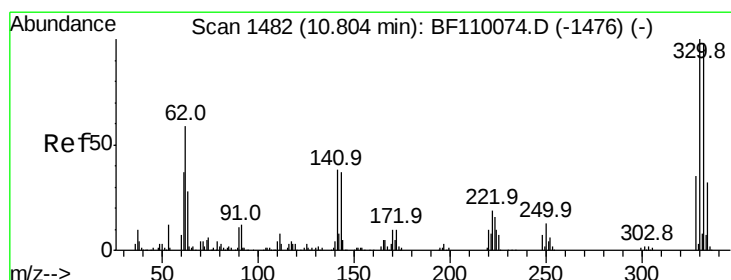
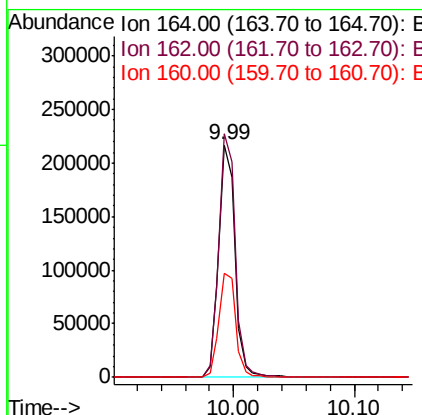
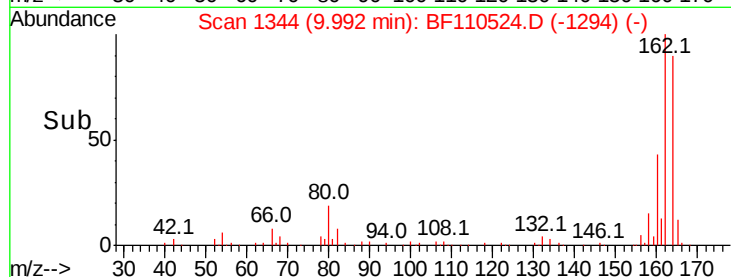
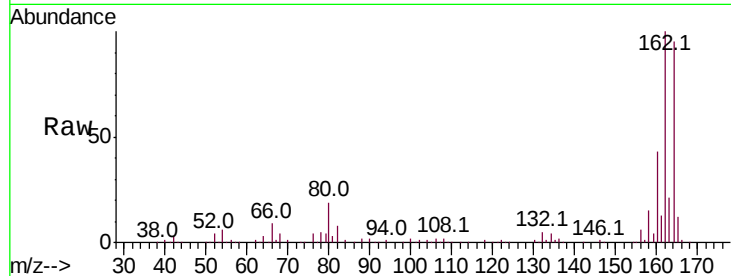
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.0	124.6
160	44.9	37.0	55.6

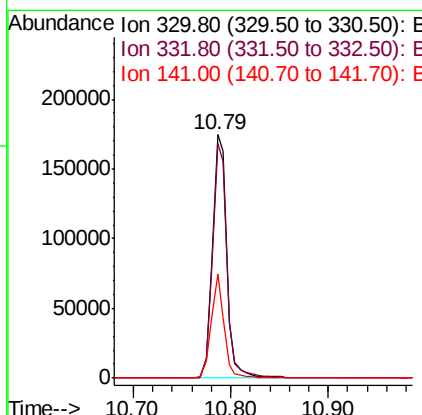
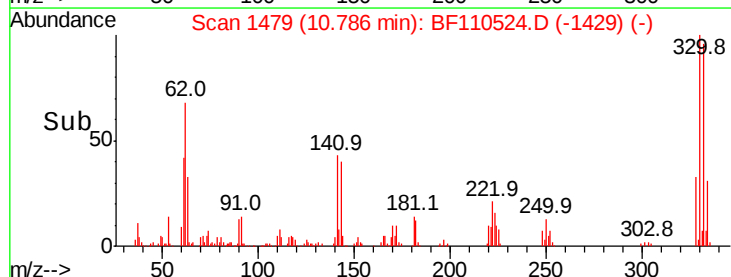
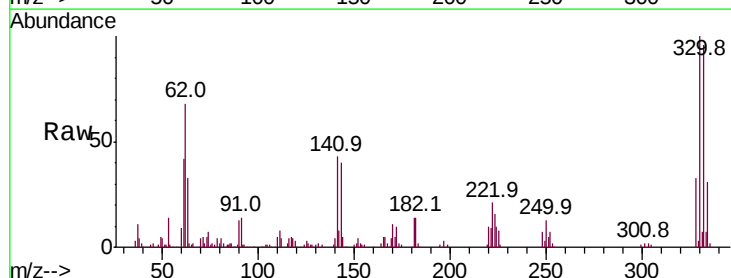
Manual Integrations
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#42
2,4,6-Tribromophenol
Concen: 89.933 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	38.4	27.0	40.4





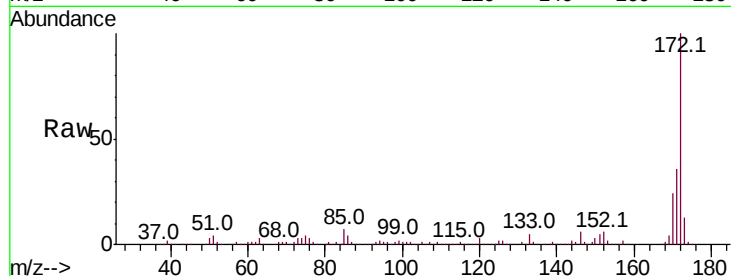
#45
 2-Fluorobiphenyl
 Concen: 72.087 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

Instrument :
 BNA_F
 ClientSampled :
 SB-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	28.6	43.0	
170	23.9	19.7	29.5	

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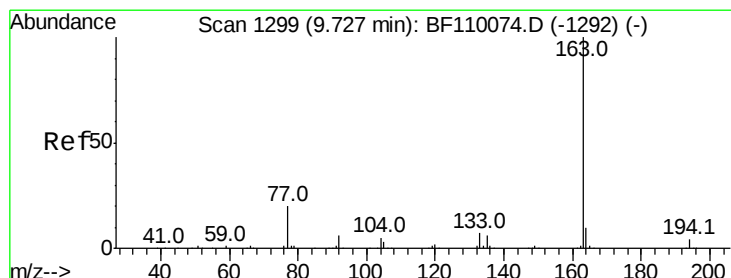
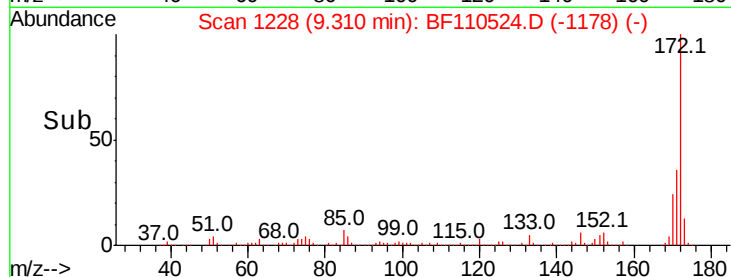
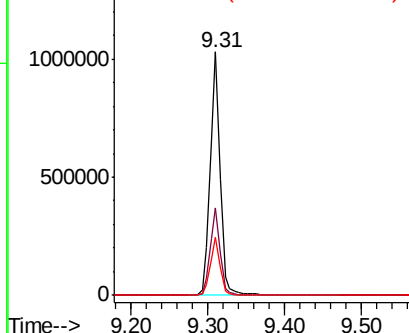


Abundance

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: 9.188 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

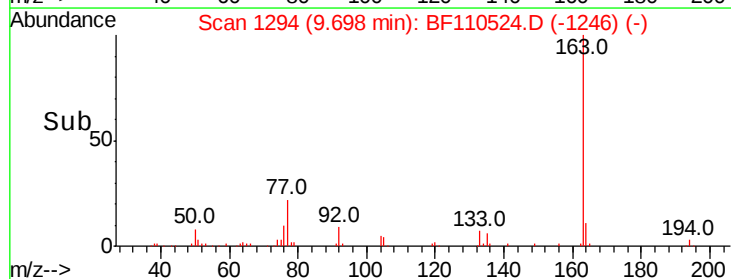
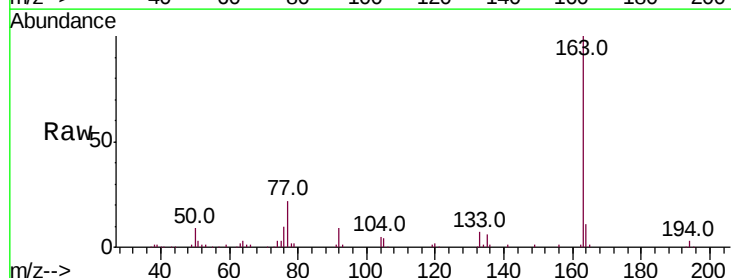
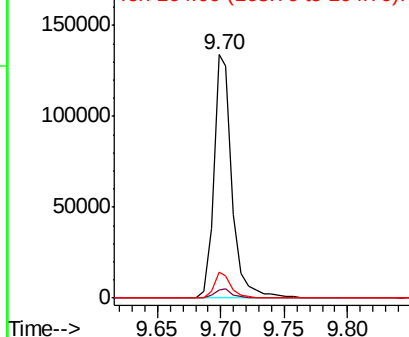
Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	3.2	4.8	
164	10.6	8.1	12.1	

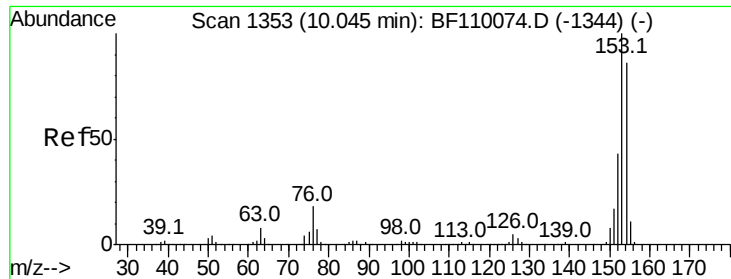
Abundance

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





#52

Acenaphthene

Concen: 5.066 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Instrument :

BNA_F

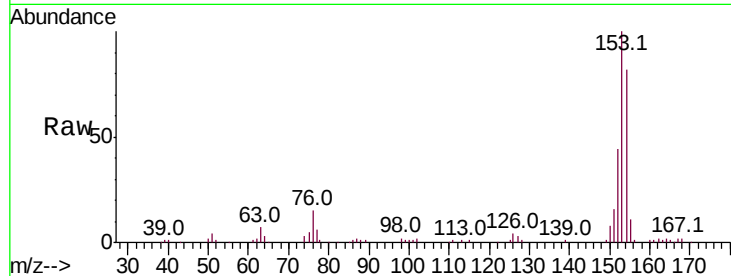
ClientSampleId :

SB-2

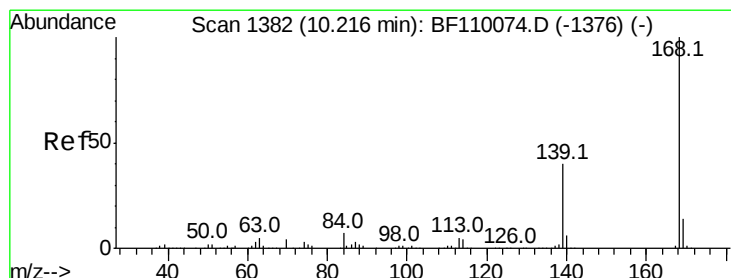
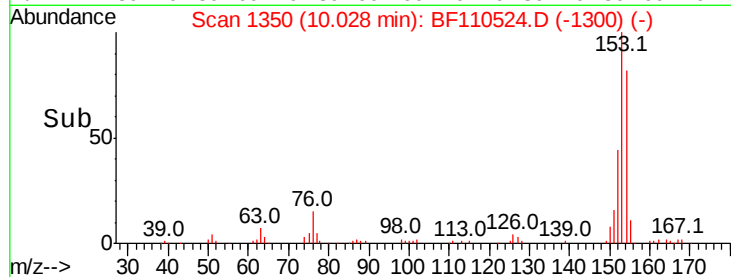
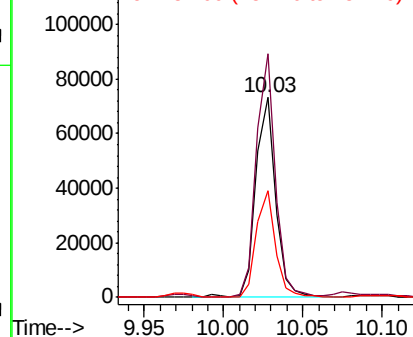
Tot Ion:	154	Resp:	64248
Ion	Ratio	Lower	Upper
154	100		
153	121.9	90.1	135.1
152	53.6	43.4	65.2

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



#55

Dibenzofuran

Concen: 4.742 ng

RT: 10.20 min Scan# 1380

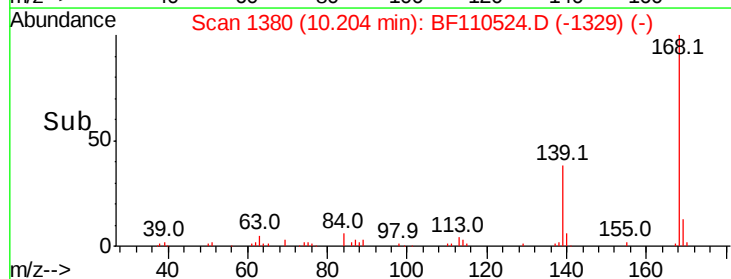
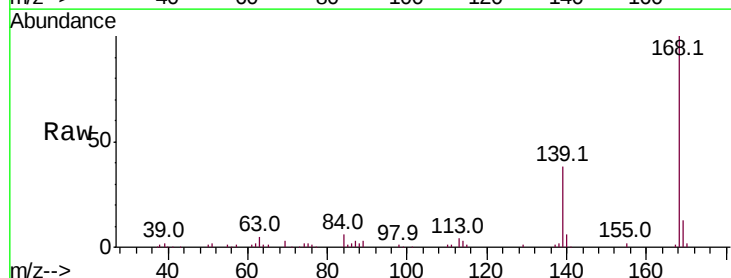
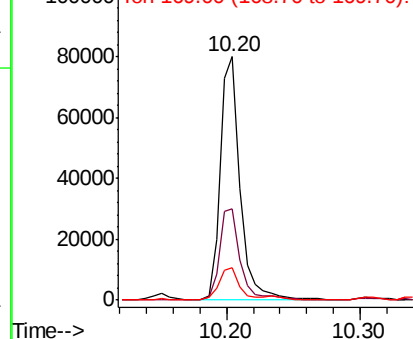
Delta R.T. 0.00 min

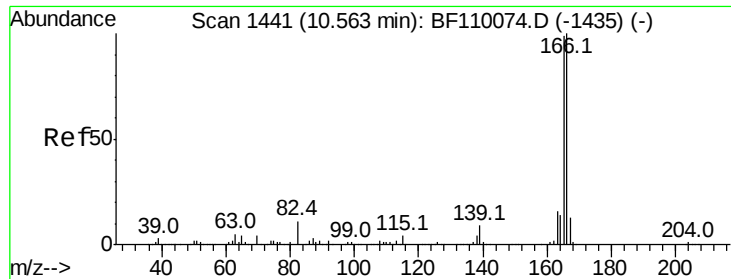
Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Tgt Ion:	168	Resp:	84200
Ion	Ratio	Lower	Upper
168	100		
139	37.6	33.0	49.6
169	13.2	11.3	16.9

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





#58

Fluorene

Concen: 9.155 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Instrument :

BNA_F

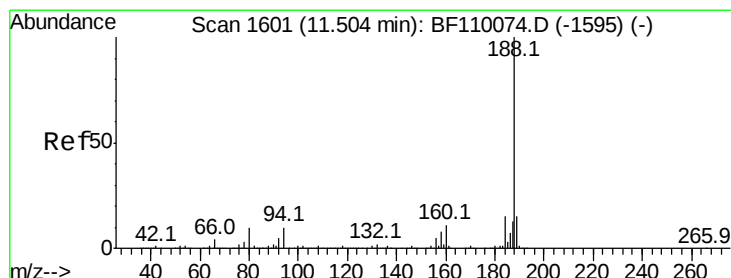
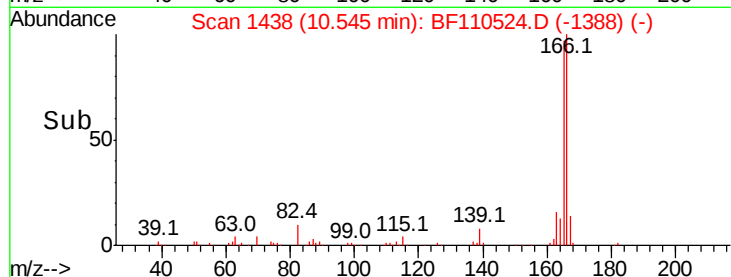
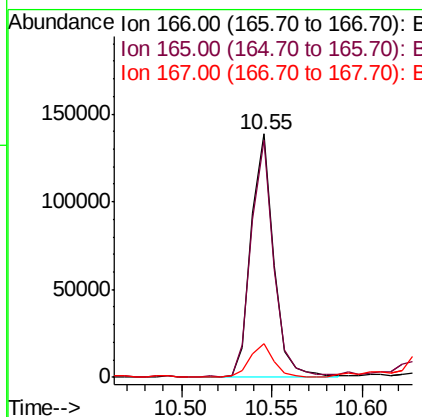
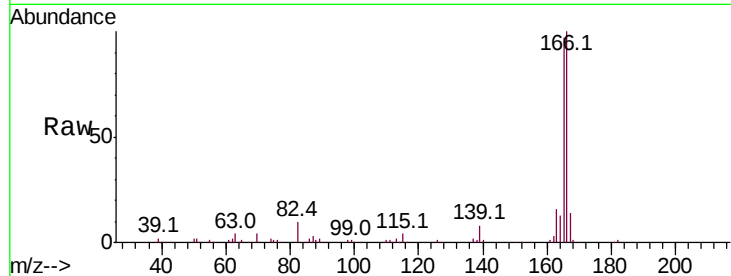
ClientSampled :

SB-2

Tot Ion:	166	Resp:	120985
Ion Ratio	Lower	Upper	
166	100		
165	97.4	78.6	117.8
167	13.7	10.8	16.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

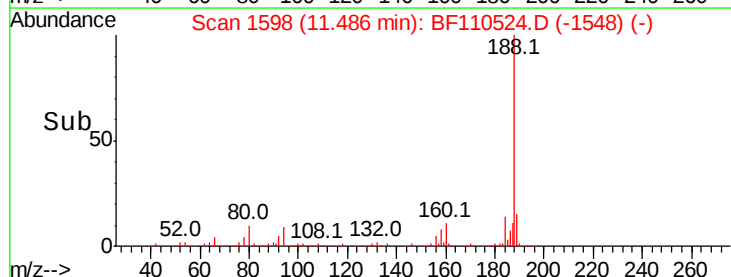
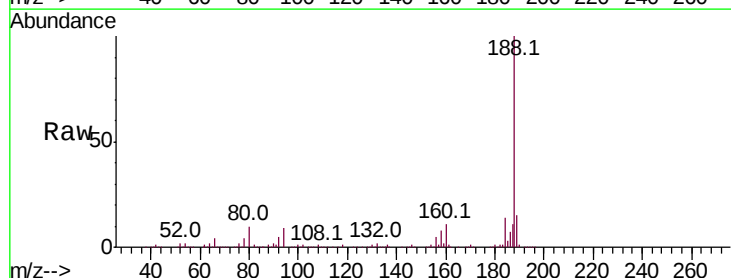
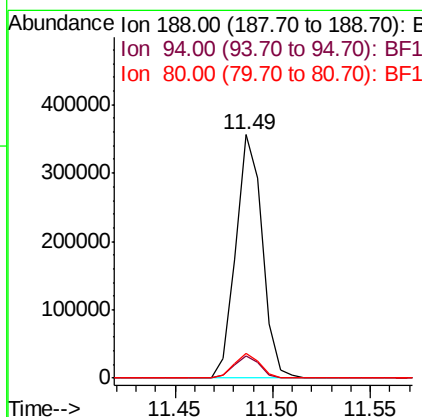
RT: 11.49 min Scan# 1598

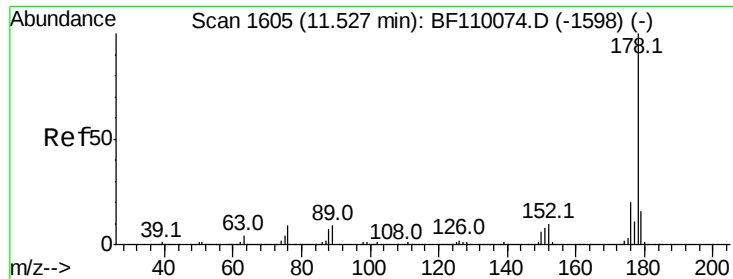
Delta R.T. -0.01 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Tgt Ion:	188	Resp:	335106
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.2	10.8
80	10.2	7.9	11.9





#71

Phenanthrene

Concen: 56.159 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Instrument :

BNA_F

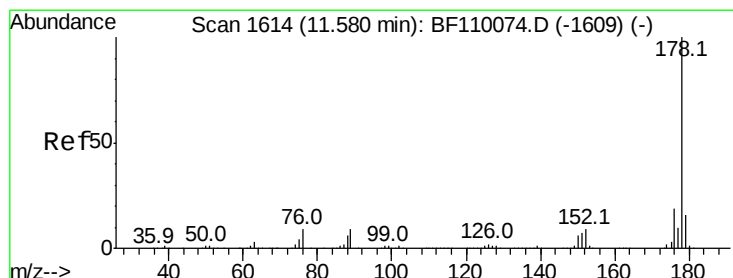
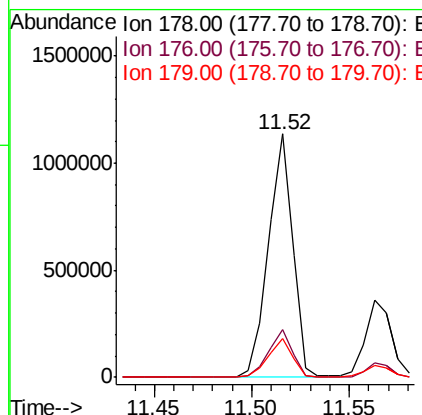
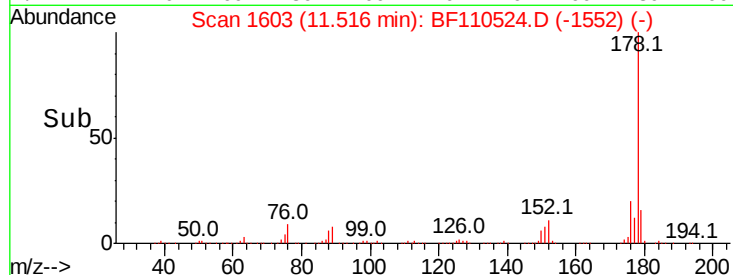
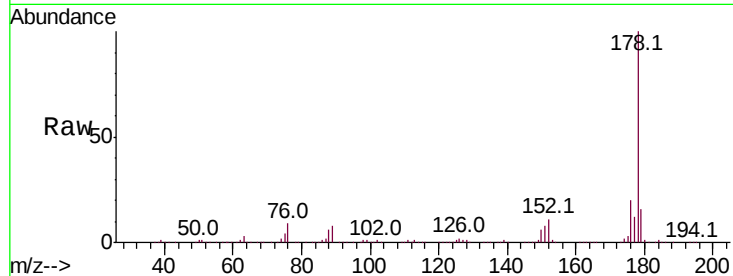
ClientSampled :

SB-2

Tot Ion:	178	Resp:	984716
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.8	12.5	18.7

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#72

Anthracene

Concen: 19.504 ng

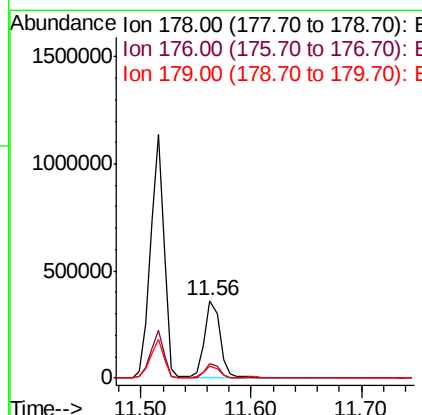
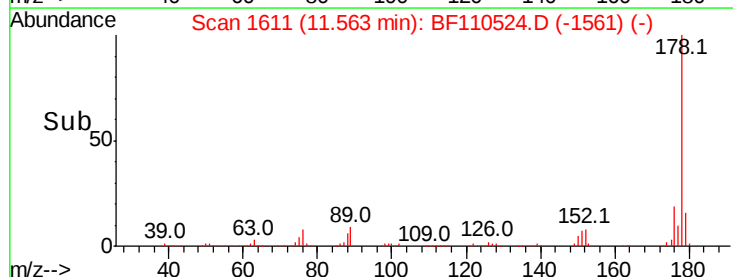
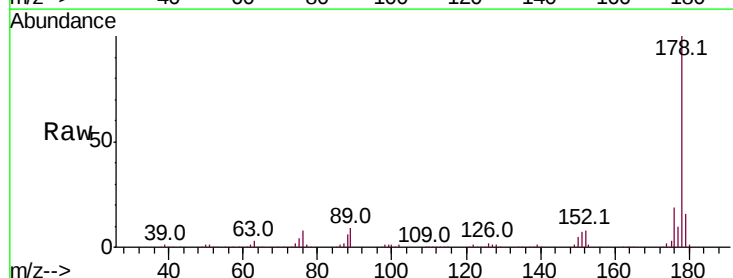
RT: 11.56 min Scan# 1611

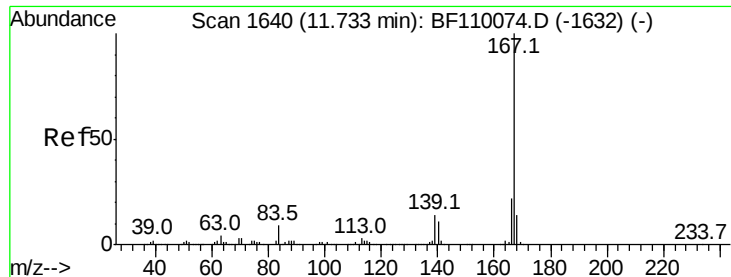
Delta R.T. -0.01 min

Lab File: BF110524.D

Acq: 6 Nov 2018 19:25

Tgt Ion:	178	Resp:	342792
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.2
179	16.0	12.6	18.8





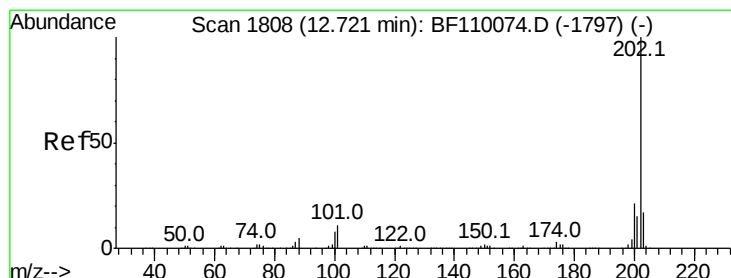
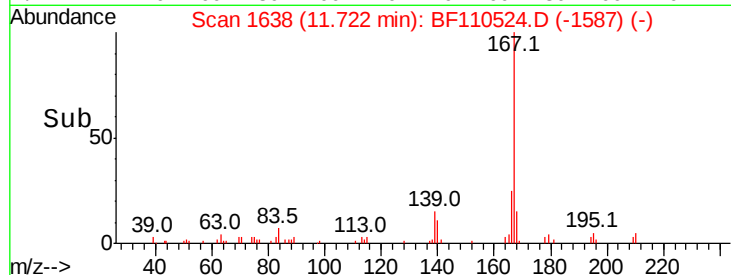
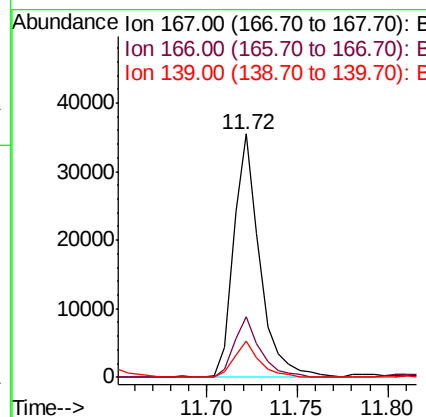
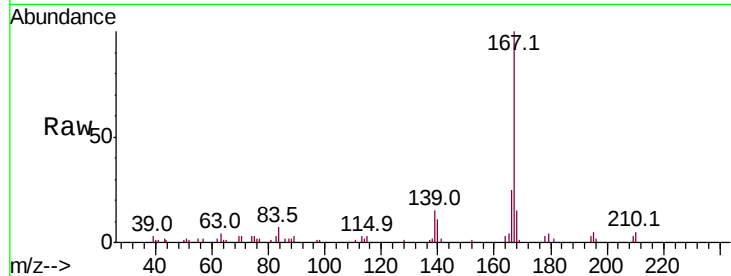
#73
 Carbazole
 Concen: 2.067 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.4	26.0
139	14.9	10.9	16.3

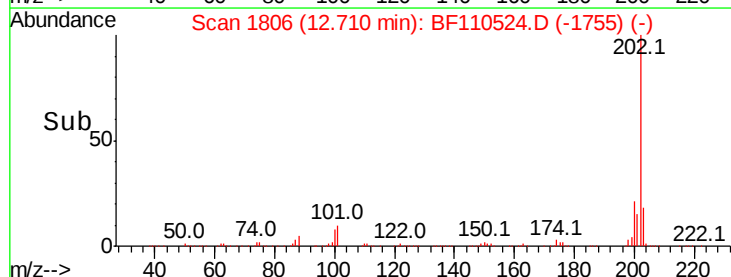
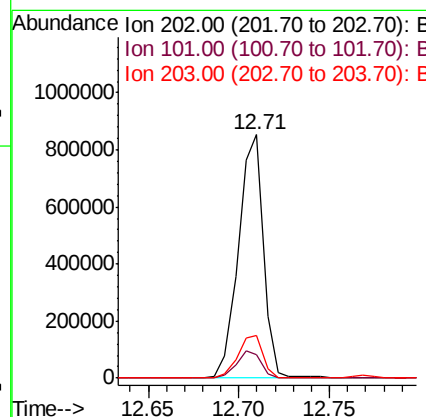
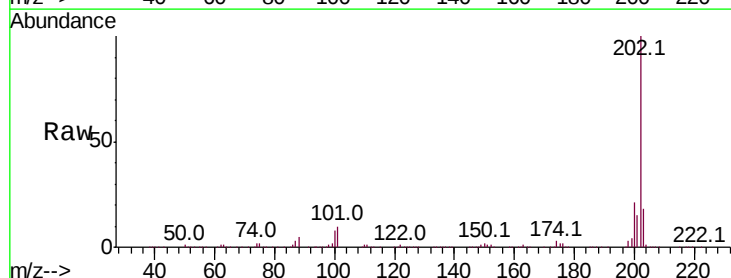
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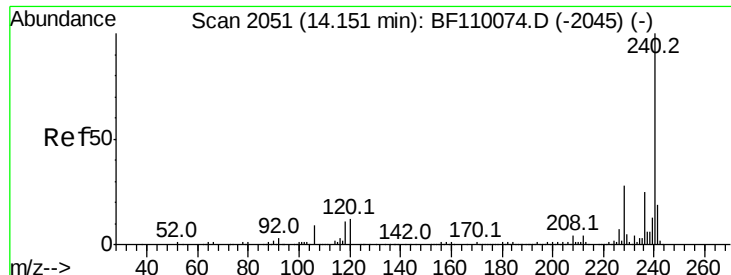
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#75
 Fluoranthene
 Concen: 45.853 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.7	0.0	37.7





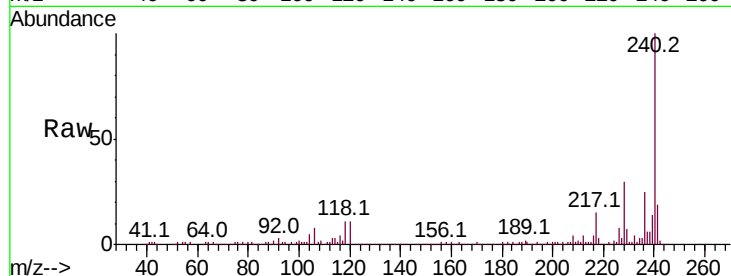
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	190012		
120	11.1	8.3	12.5	
236	25.5	21.2	31.8	

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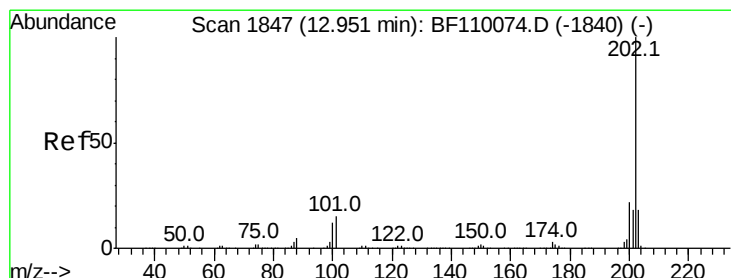
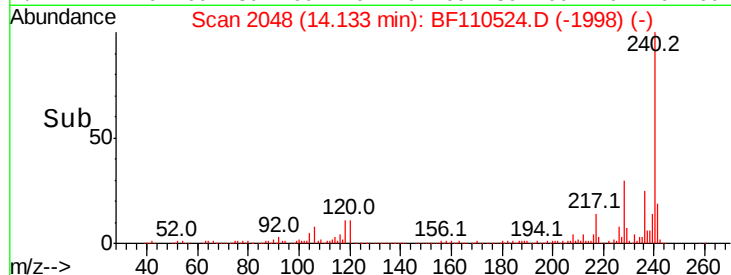
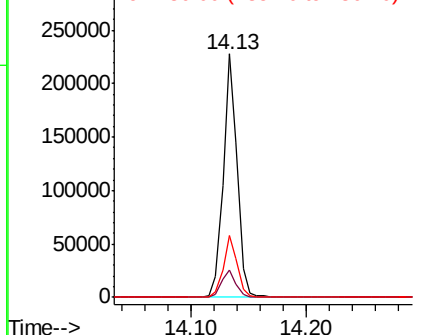


Abundance

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
Pyrene
Concen: 47.342 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

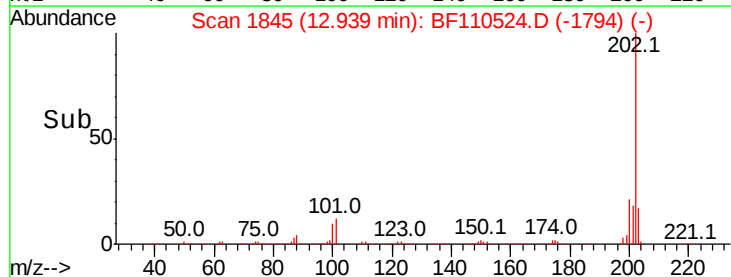
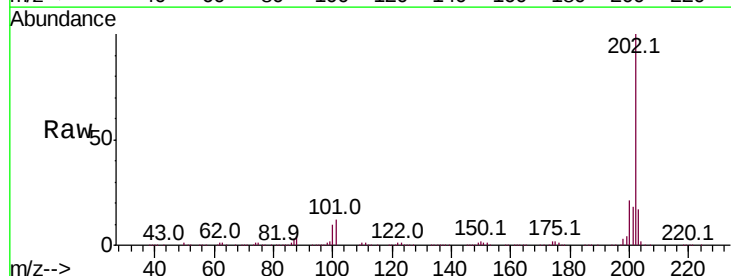
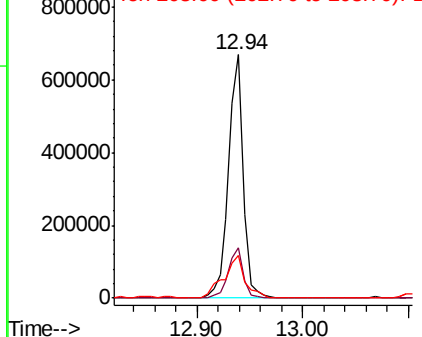
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	644909		
200	20.8	17.8	26.6	
203	17.5	14.2	21.4	

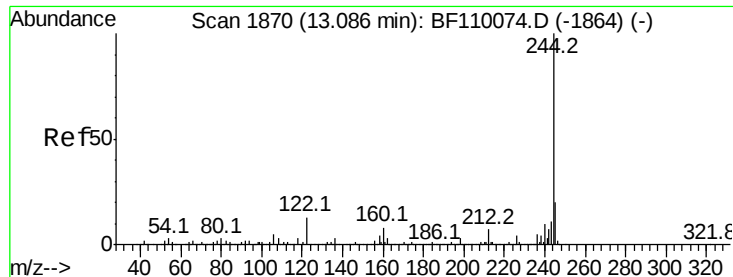
Abundance

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





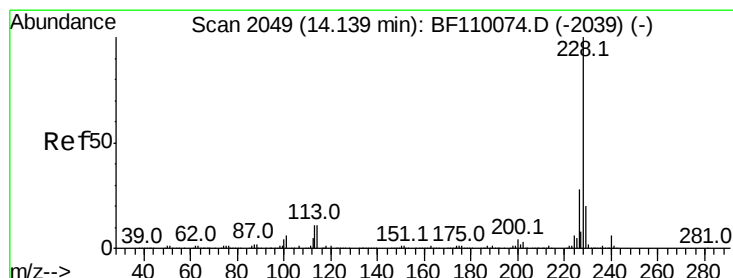
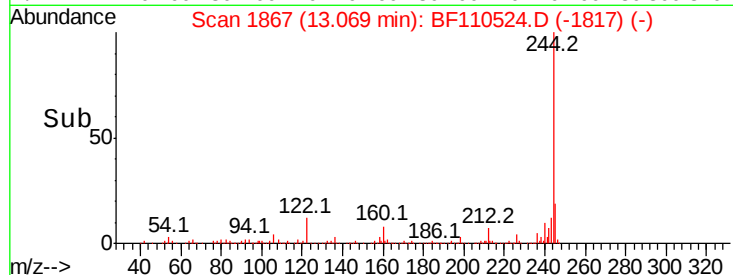
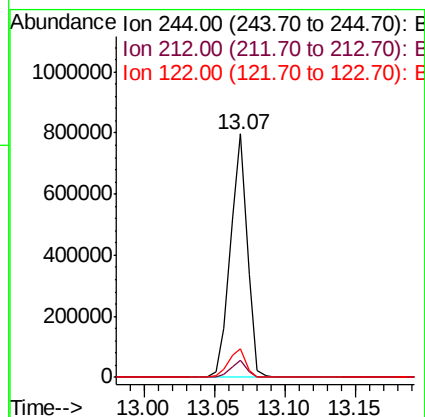
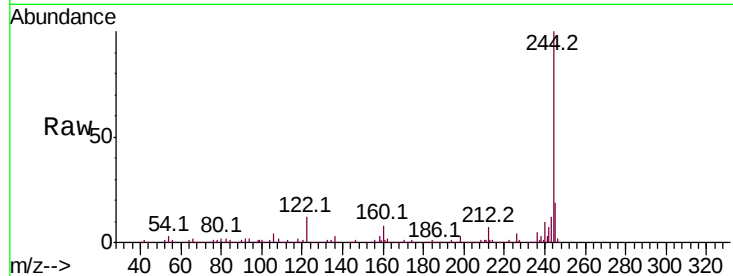
#79
 Terphenyl-d14
 Concen: 72.650 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

Instrument :
 BNA_F
 ClientSampled :
 SB-2

Tot Ion:	244	Resp:	663767
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	11.6	8.7	13.1

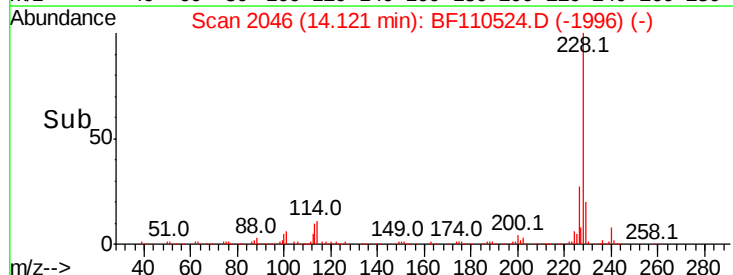
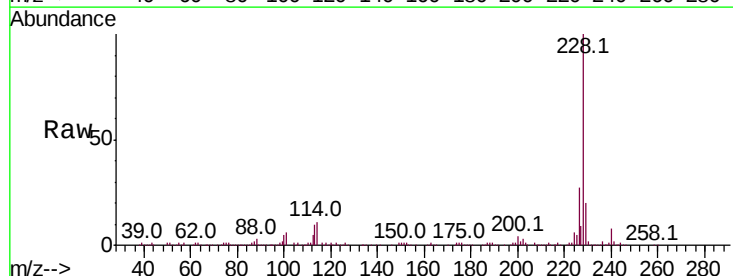
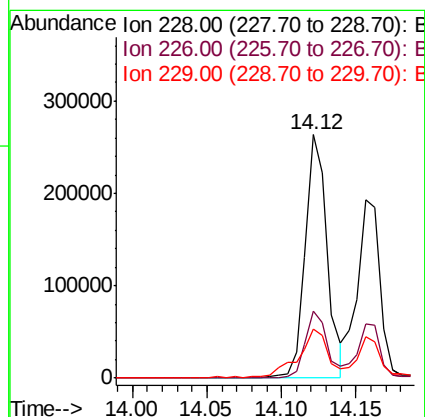
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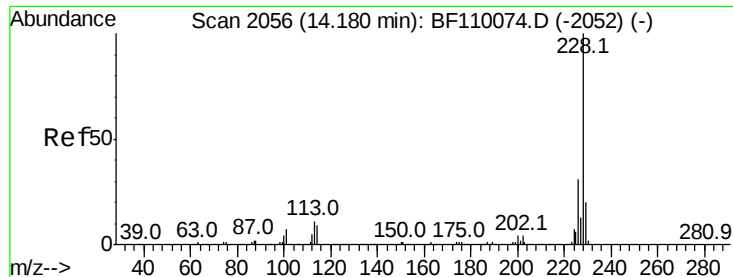
Sohil
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#81
 Benzo(a)anthracene
 Concen: 23.810 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110524.D
 Acq: 6 Nov 2018 19:25

Tgt Ion:	228	Resp:	268297
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.1	33.1
229	20.4	15.6	23.4





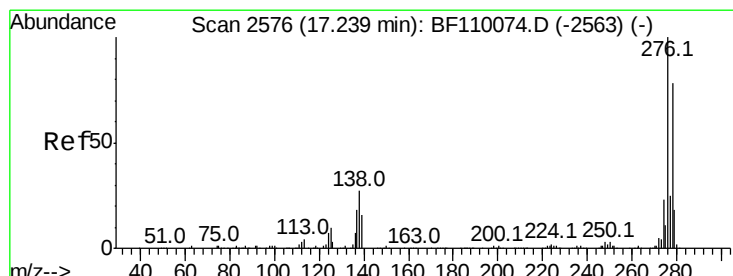
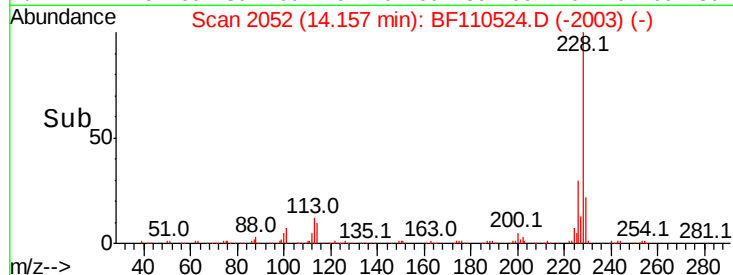
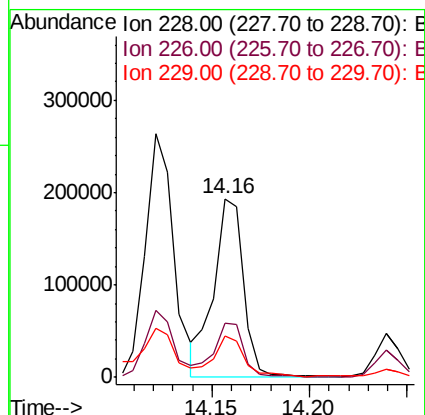
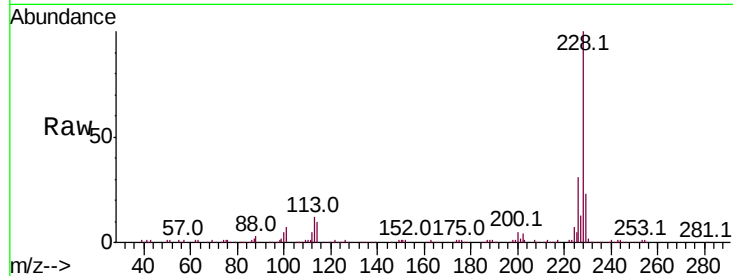
#83
Chrysene
Concen: 19.164 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.9	15.9	23.9

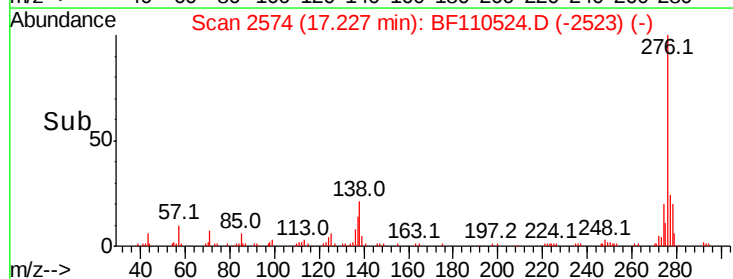
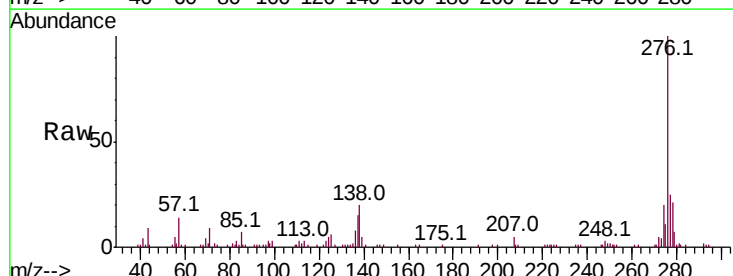
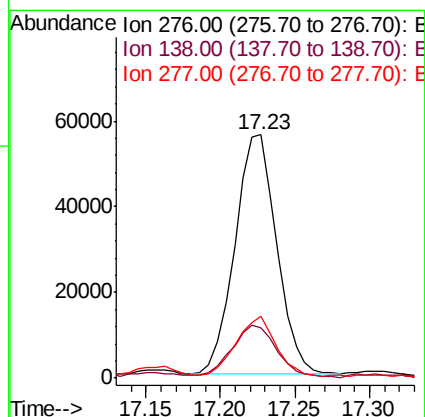
Manual Integrations
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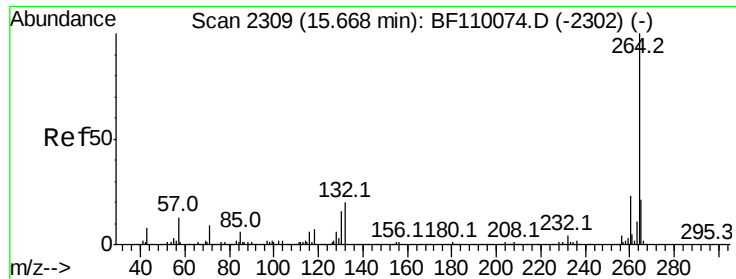
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.251 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	18.5	27.7
277	24.6	20.0	30.0





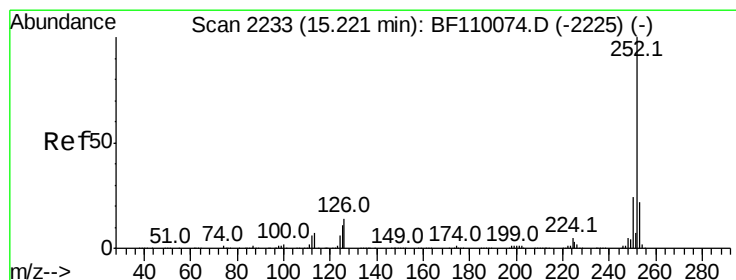
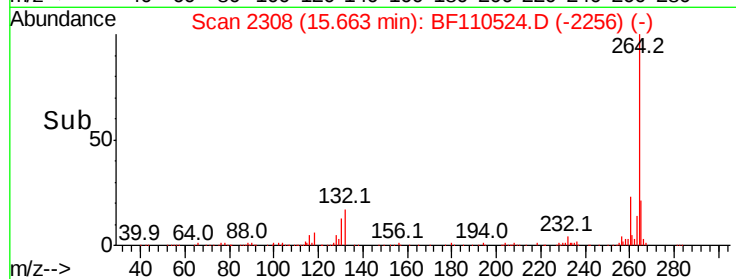
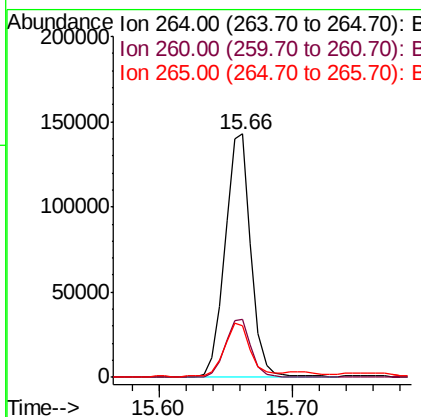
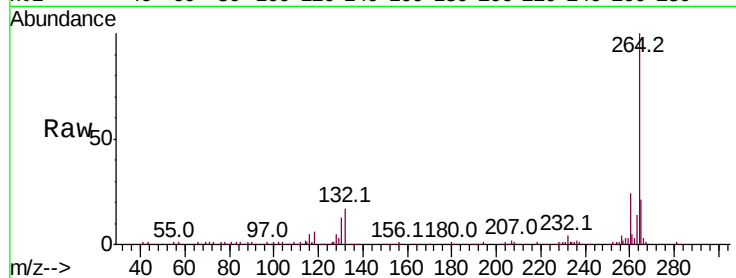
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion:	264	Resp:	194863
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	21.2	16.7	25.1

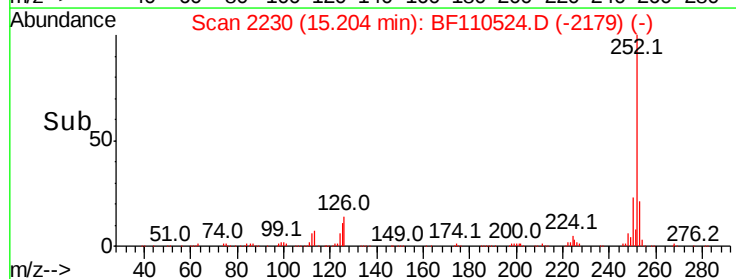
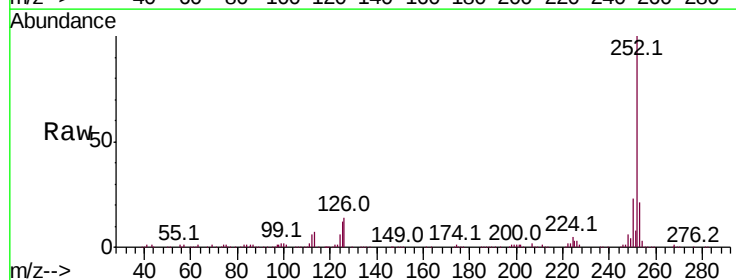
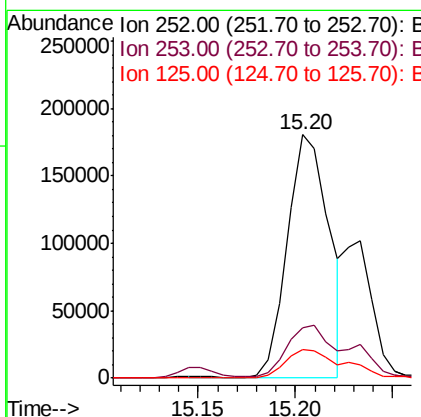
Manual Integrations
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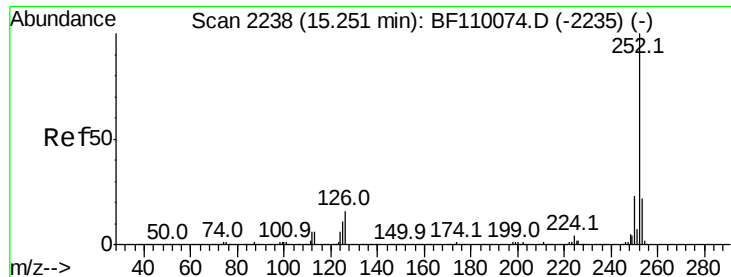
Sohil
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#88
Benzo(b)fluoranthene
Concen: 23.957 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion:	252	Resp:	269582
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.2	25.8
125	11.6	8.2	12.4





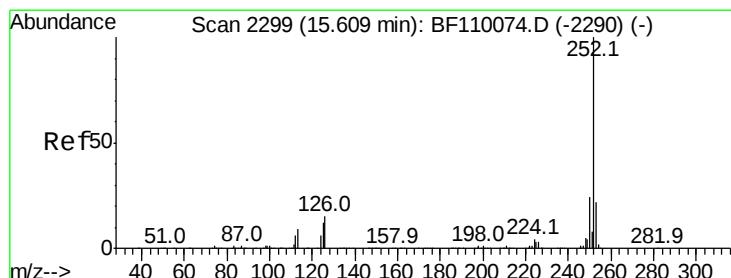
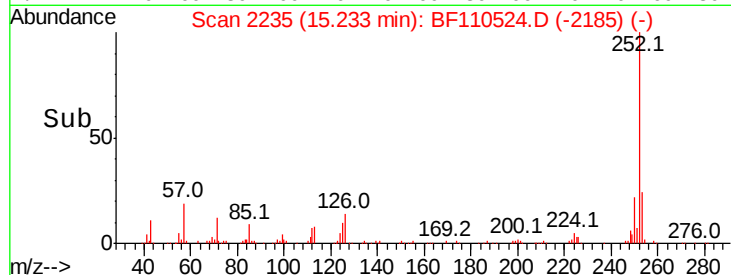
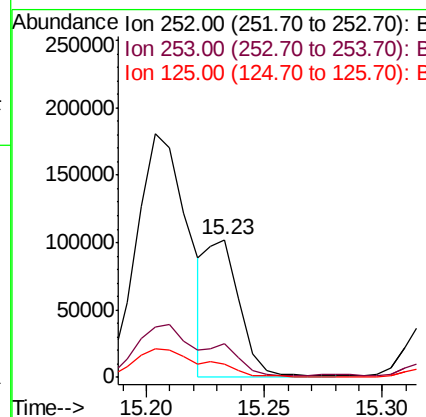
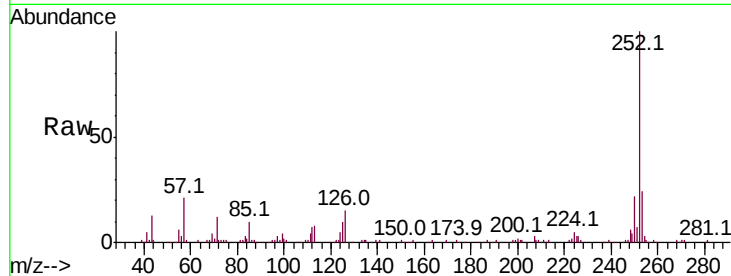
#89
Benzo(k)fluoranthene
Concen: 9.230 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	10.0	7.4	11.0

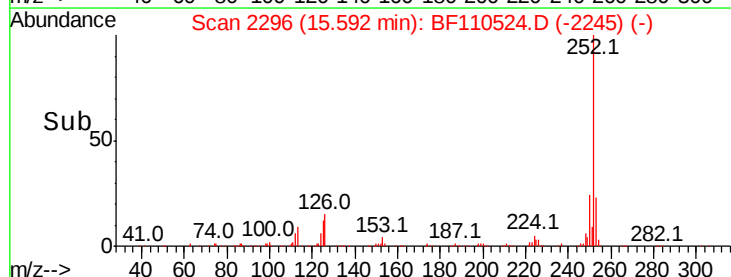
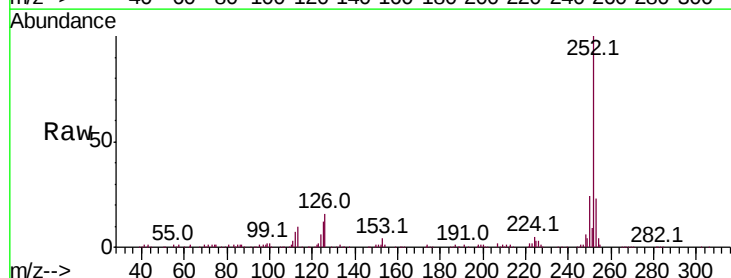
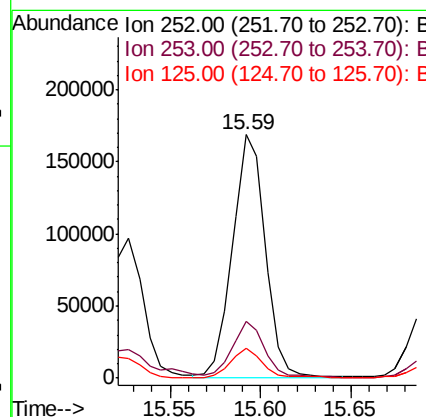
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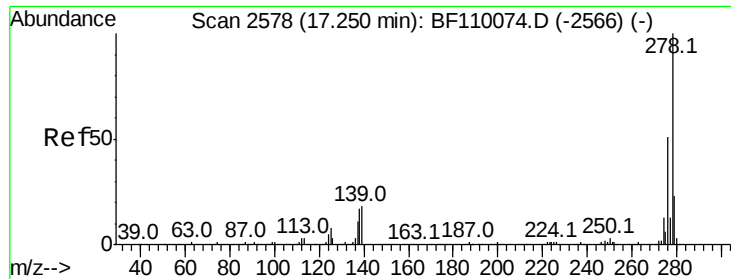
Sohil
11/7/2018 2:54:33 PM



#90
Benzo(a)pyrene
Concen: 20.449 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	12.5	9.0	13.6





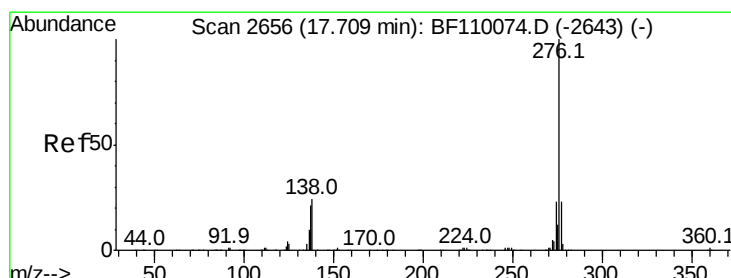
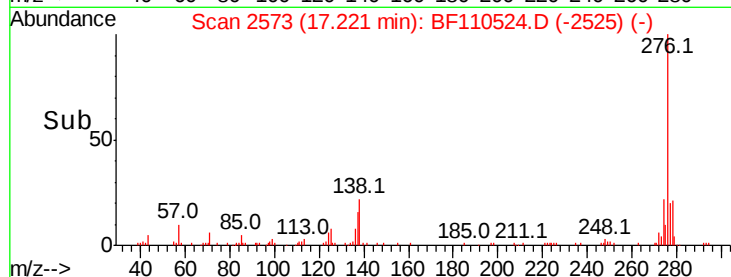
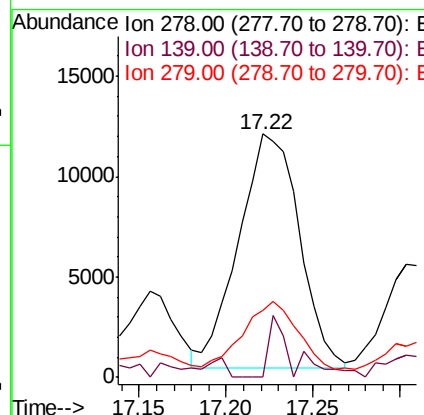
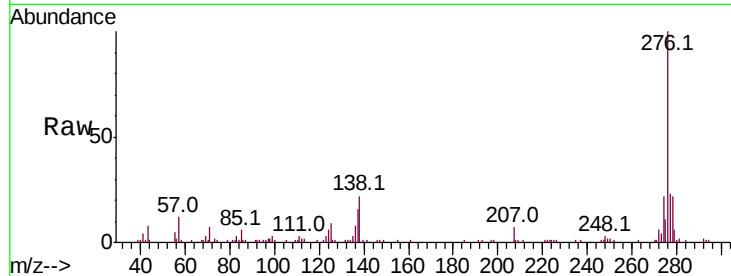
#91
Dibenzo(a,h)anthracene
Concen: 3.171 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.02 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	4.4	12.7	19.1
279	27.7	19.0	28.4

Manual Integrations
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11/7/2018 2:54:33 PM



#92
Benzo(g,h,i)perylene
Concen: 10.968 ng
RT: 17.70 min Scan# 2655
Delta R.T. 0.00 min
Lab File: BF110524.D
Acq: 6 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	23.0	16.0	24.0

