

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110737.D
 Acq On : 13 Nov 2018 23:33
 Operator : JU/SJ
 Sample : J5908-27 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-6-S

Manual Integrations
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 11/14/2018 1:52:30 PM

Quant Time: Nov 14 06:33:35 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	6.95	152	76658	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	293239	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	115362	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	185994	20.00	ng	0.00
76) Chrysene-d12	14.14	240	141076	20.00	ng	0.00
87) Perylene-d12	15.67	264	101154	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	256610	54.37	ng	0.00
7) Phenol-d6	6.57	99	324164	53.71	ng	0.00
23) Nitrobenzene-d5	7.51	82	186087	36.55	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	51960	44.70	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	291562	36.10	ng	0.00
79) Terphenyl-d14	13.06	244	238766	31.70	ng	0.00
Target Compounds						
10) Phenol	6.58	94	15519	2.218	ng	# 74
38) 1-Methylnaphthalene	9.04	142	18001	2.074	ng	# 94
49) Acenaphthylene	9.85	152	106981	9.581	ng	97
50) Dimethylphthalate	9.69	163	18265	2.122	ng	# 98
52) Acenaphthene	10.02	154	75067	10.638	ng	97
55) Dibenzofuran	10.19	168	25524	2.472	ng	98
58) Fluorene	10.53	166	55799	7.037	ng	98
71) Phenanthrene	11.50	178	637398	63.966	ng	100
72) Anthracene	11.56	178	257316	25.599	ng	98
73) Carbazole	11.72	167	21661	2.244	ng	93
75) Fluoranthene	12.72	202	1829149	183.095	ng	100
78) Pyrene	12.94	202	1817056	167.278	ng	99
81) Benzo(a)anthracene	14.13	228	1019840	120.945	ng	96
83) Chrysene	14.17	228	820406	102.124	ng	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	310107	53.794	ng	99
88) Benzo(b)fluoranthene	15.22	252	824745m	136.290	ng	
89) Benzo(k)fluoranthene	15.24	252	314371m	52.575	ng	
90) Benzo(a)pyrene	15.61	252	573558	104.319	ng	99
91) Dibenzo(a,h)anthracene	17.24	278	92899m	19.966	ng	
92) Benzo(a,h,i)perylene	17.72	276	284464	61.620	ng	98

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

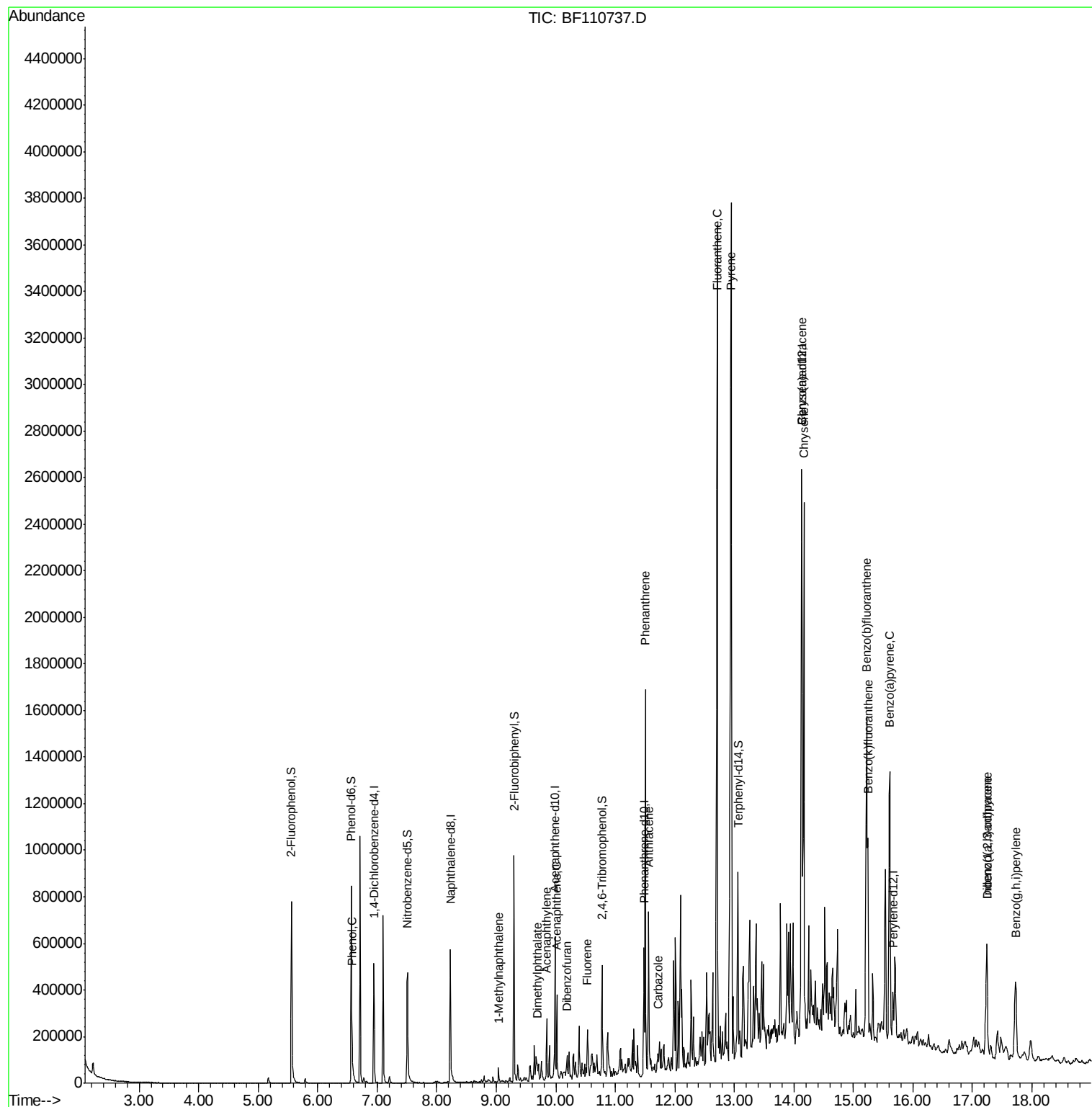
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110737.D
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ALS Vial : 20 Sample Multiplier: 1

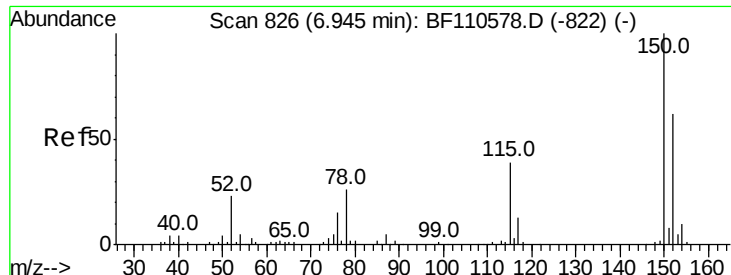
Instrument :
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#1

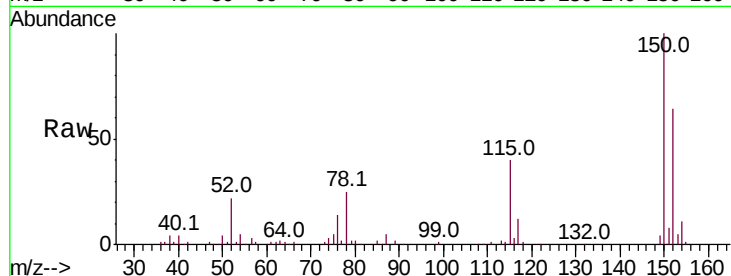
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.7	184.1
115	61.9	49.1	73.7

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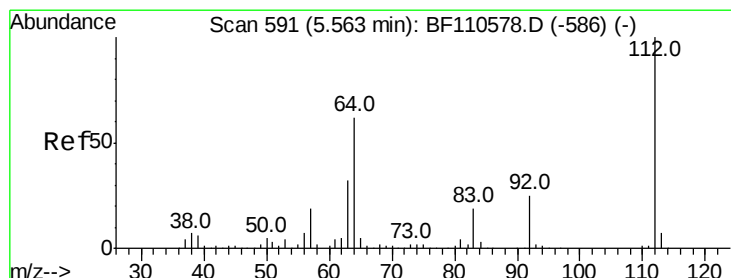
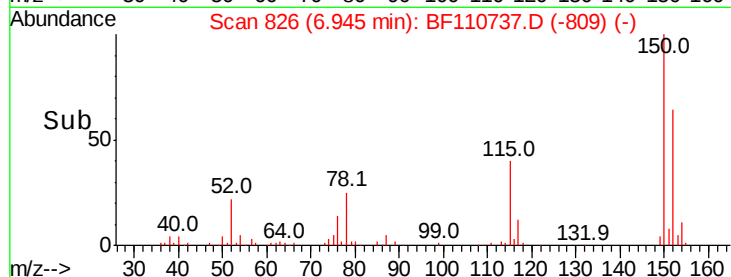
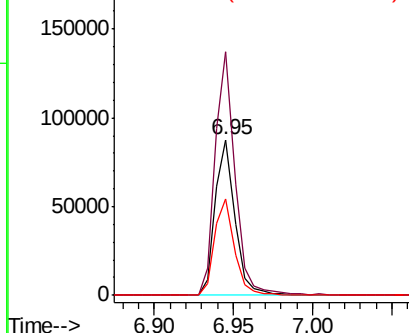


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

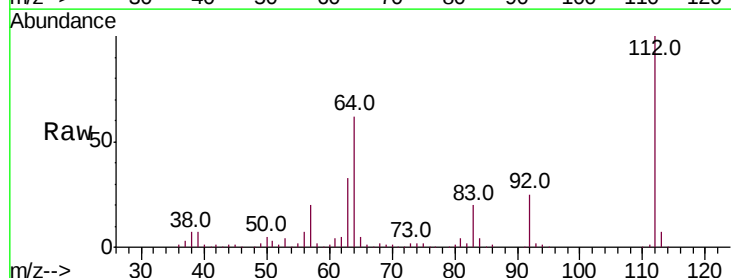
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.373 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	44.1	66.1
63	33.1	23.7	35.5

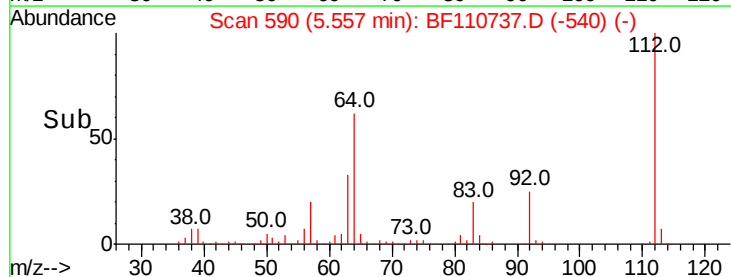
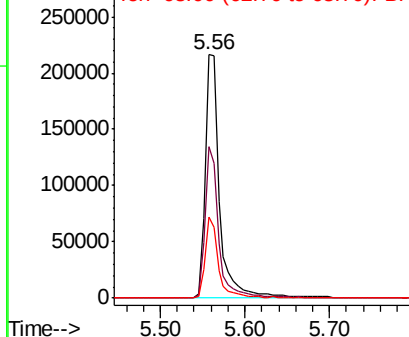


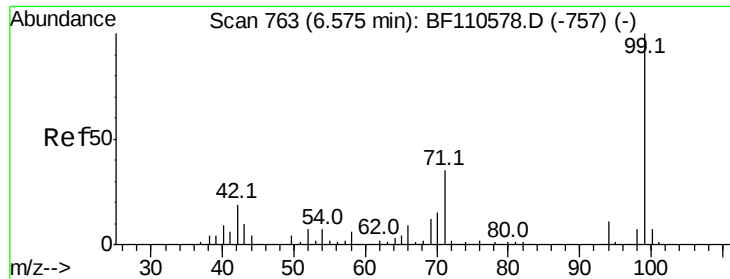
Abundance

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: 53.714 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

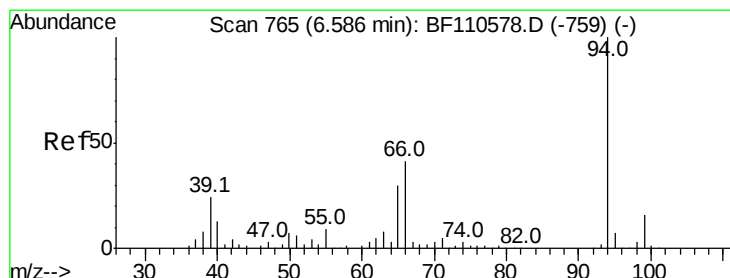
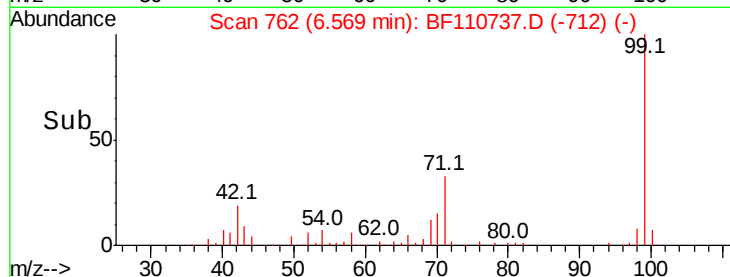
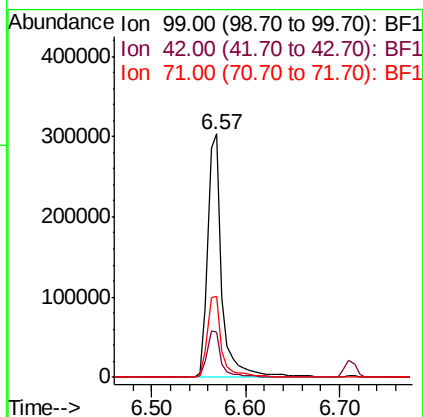
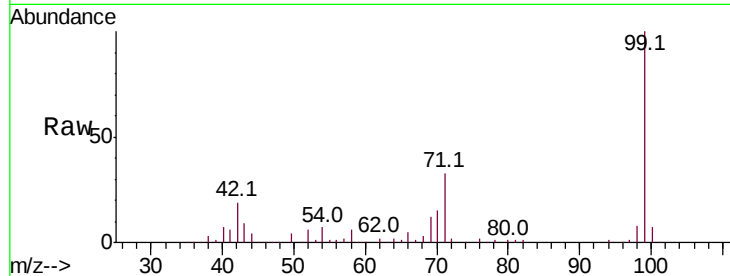
ClientSampled :

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Tot Ion:	99	Resp:	324164
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.8	23.6
71	33.2	28.0	42.0

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#10

Phenol

Concen: 2.218 ng

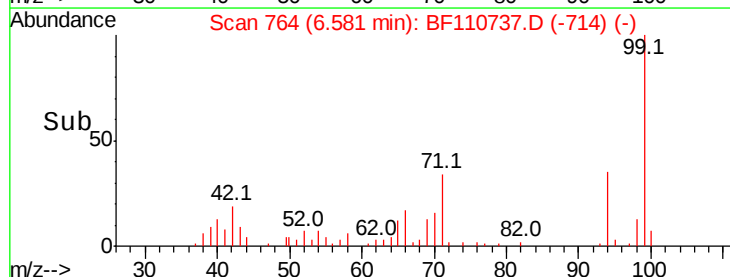
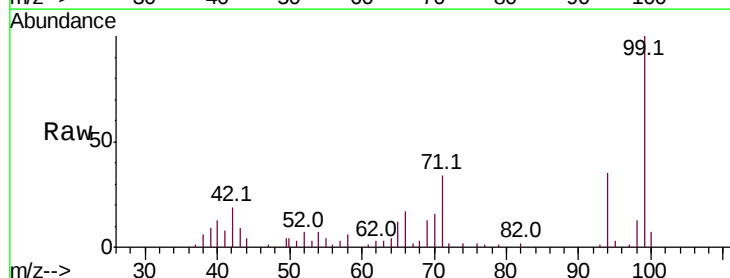
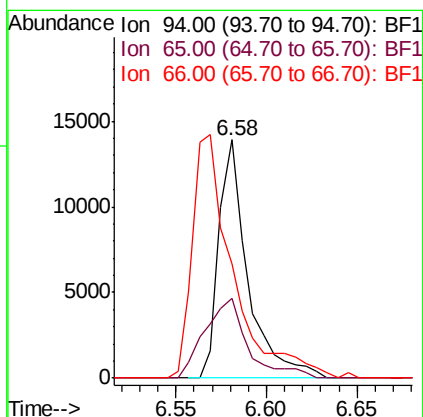
RT: 6.58 min Scan# 764

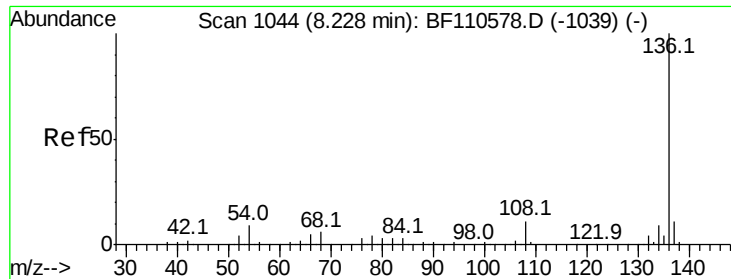
Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Tgt Ion:	94	Resp:	15519
Ion Ratio	Lower	Upper	
94	100		
65	33.7	25.3	65.3
66	47.9	54.5	94.5#





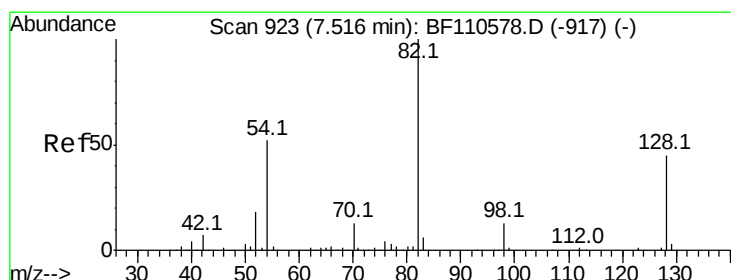
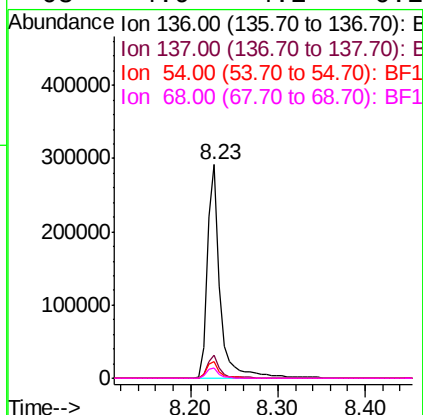
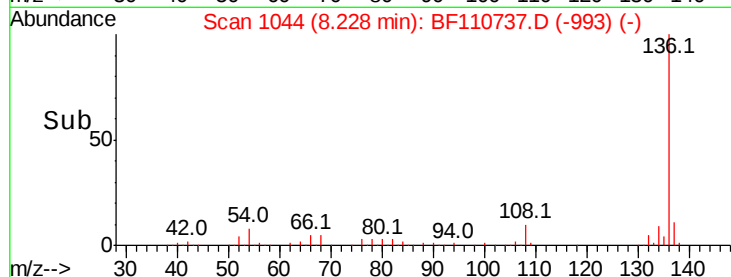
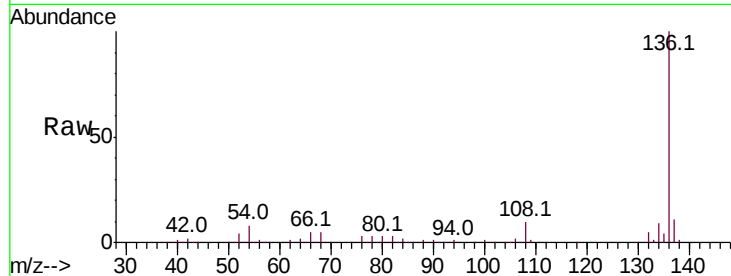
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.8	13.2	
54	7.5	5.4	8.2	
68	4.9	4.2	6.2	

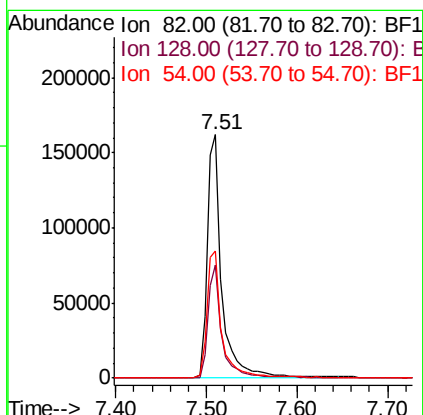
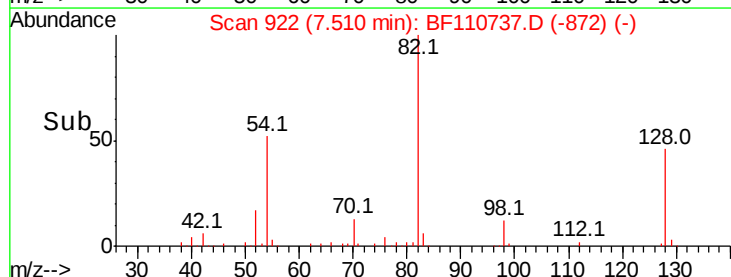
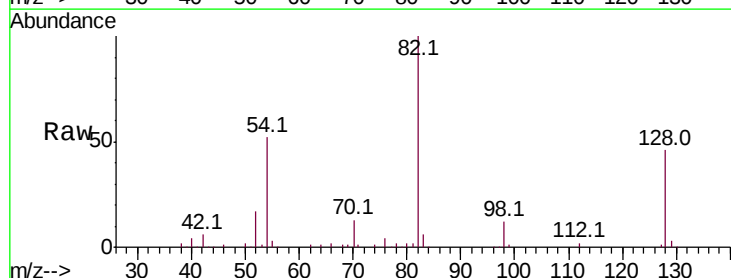
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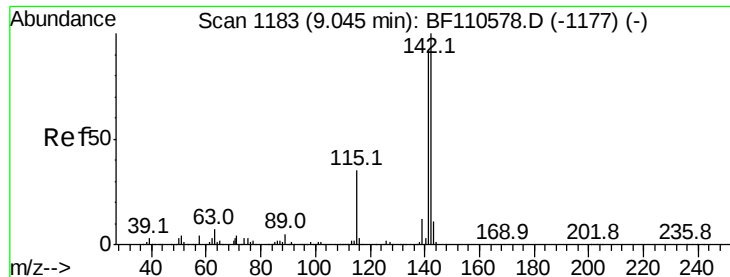
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#23
Nitrobenzene-d5
Concen: 36.546 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	34.2	51.2	
54	52.0	38.6	58.0	





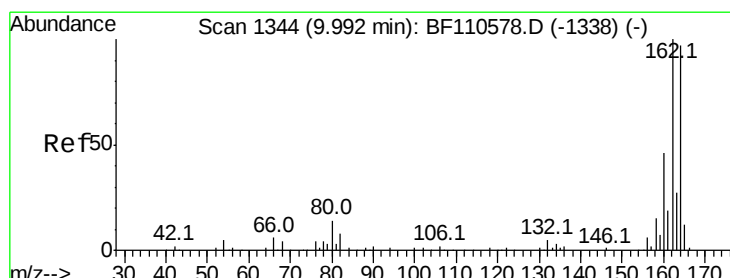
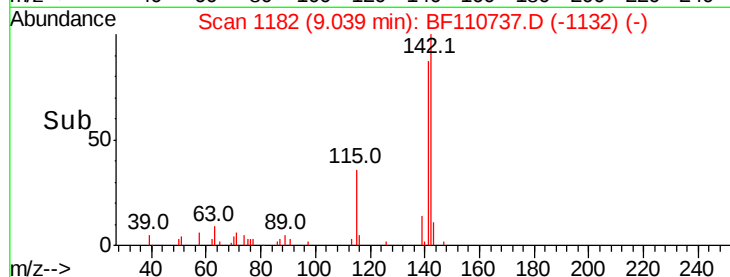
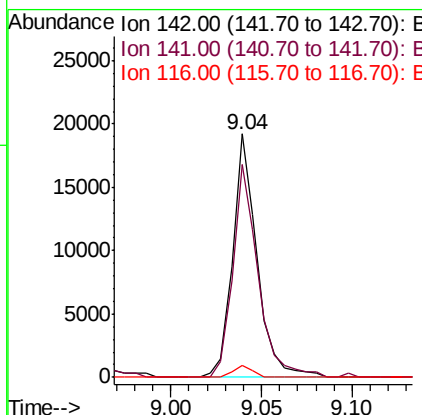
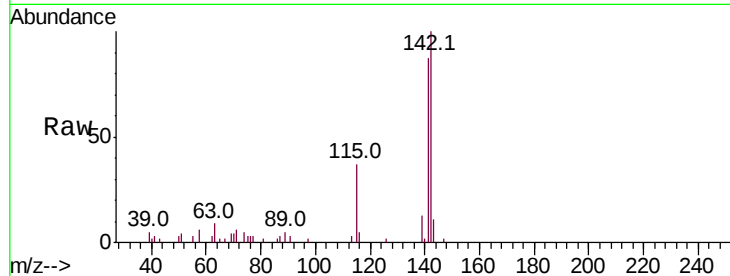
#38
1-Methylnaphthalene
Concen: 2.074 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampled :
SR-6-S

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	74.2	111.4
116	4.7	2.6	4.0

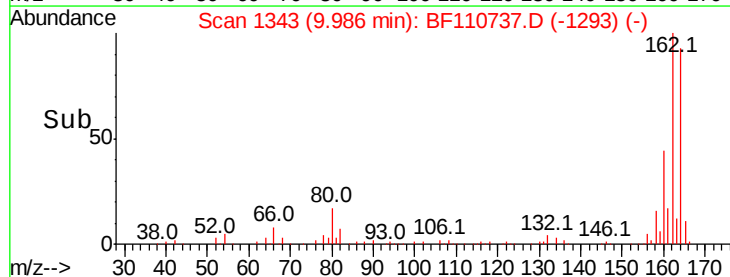
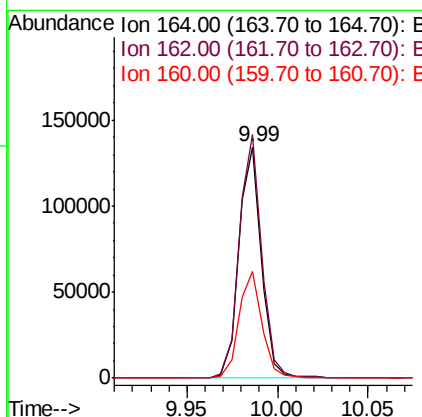
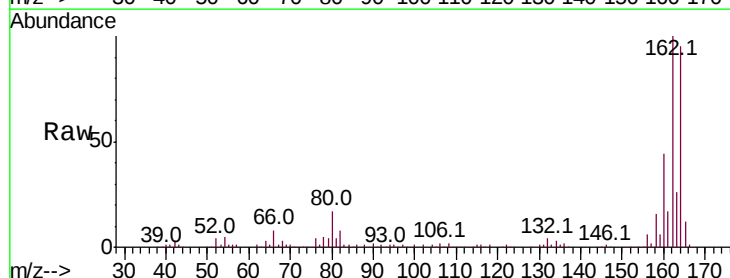
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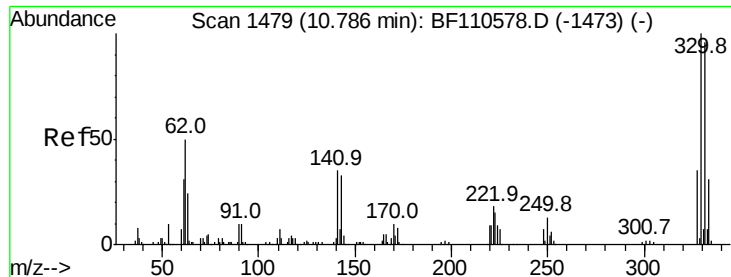
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.0	124.6
160	45.9	37.0	55.6





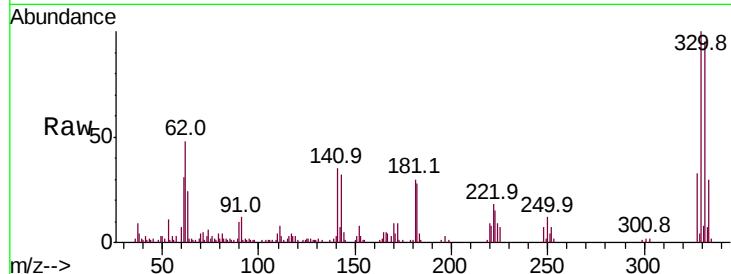
#42
 2,4,6-Tribromophenol
 Concen: 44.700 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110737.D
 Acq: 13 Nov 2018 23:33

Instrument :
 BNA_F
 ClientSampled :
 SR-6-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.1	115.7
141	39.2	27.0	40.4

Manual Integrations
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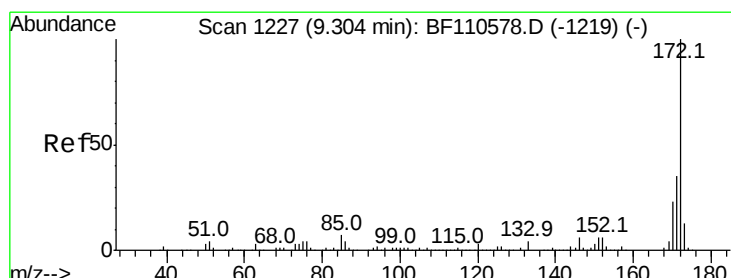
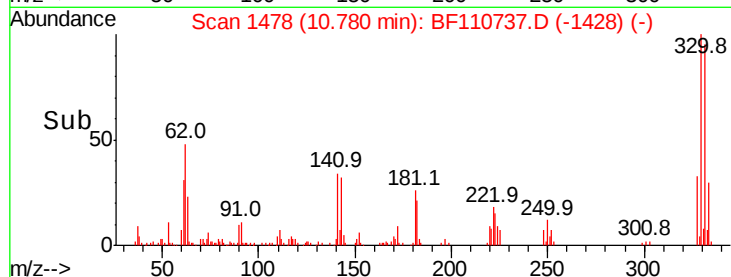
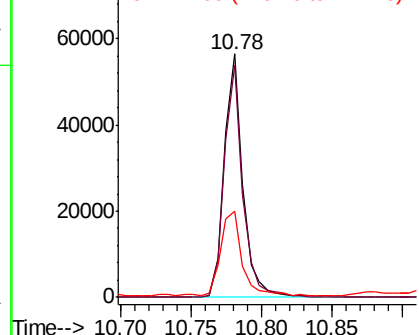


Abundance

Ion 329.80 (329.50 to 330.50): E

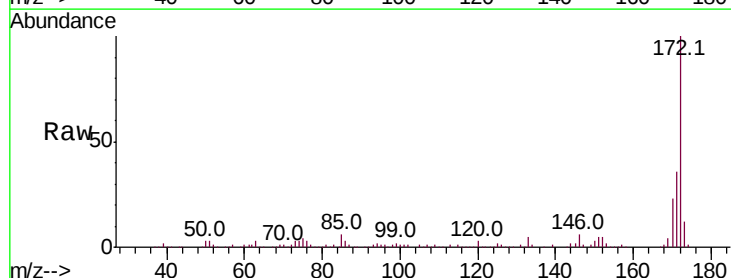
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 36.095 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110737.D
 Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.0	19.7	29.5

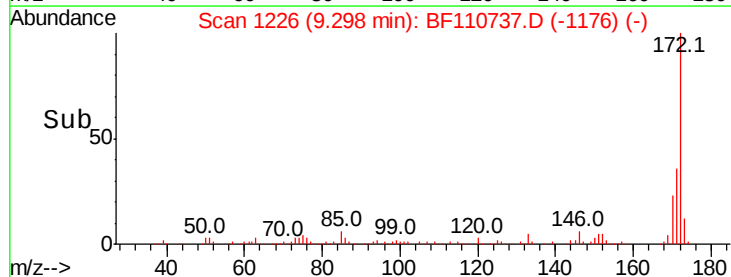
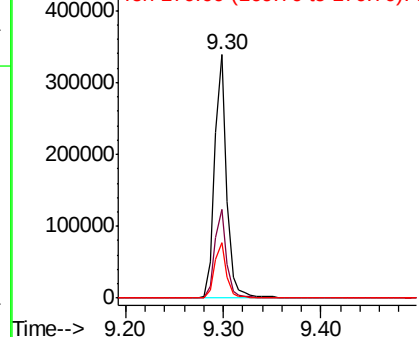


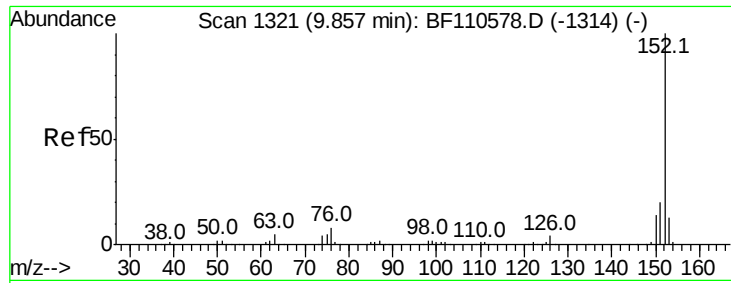
Abundance

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





#49

Acenaphthylene

Concen: 9.581 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

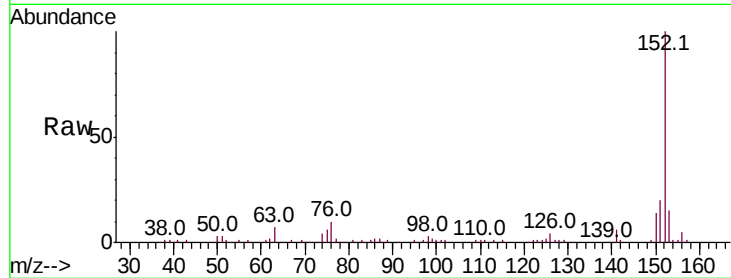
ClientSampled :

SR-6-S

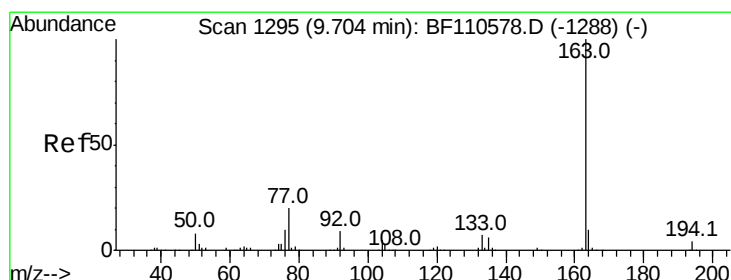
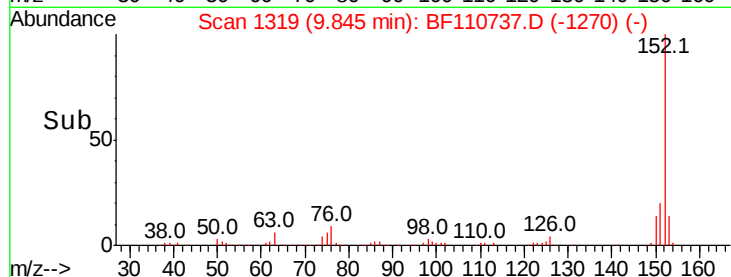
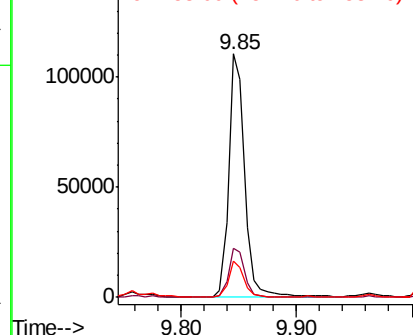
Tot Ion:	152	Resp:	106981
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.8
153	14.8	10.4	15.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.122 ng

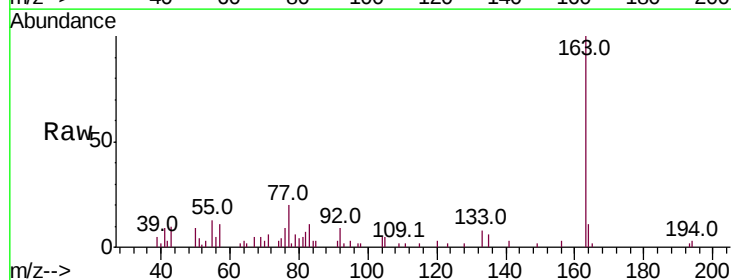
RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

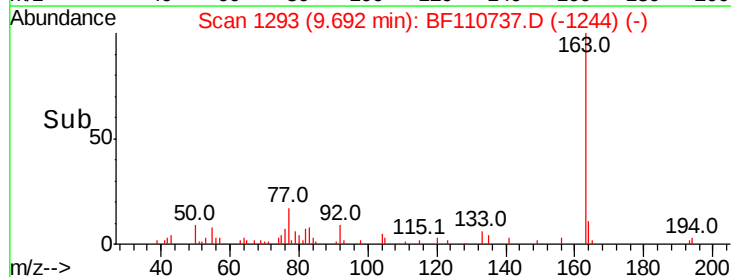
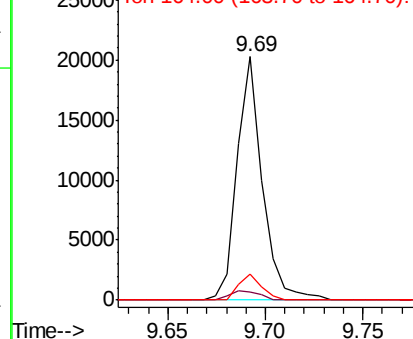
Lab File: BF110737.D

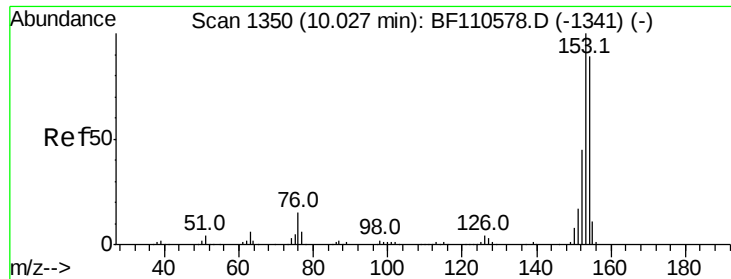
Acq: 13 Nov 2018 23:33

Tgt Ion:	163	Resp:	18265
Ion Ratio	Lower	Upper	
163	100		
194	3.1	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: 10.638 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

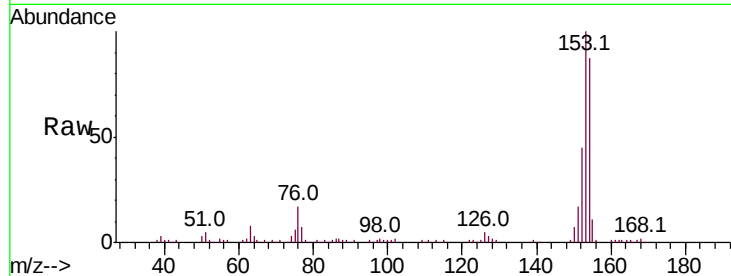
ClientSampleId :

SR-6-S

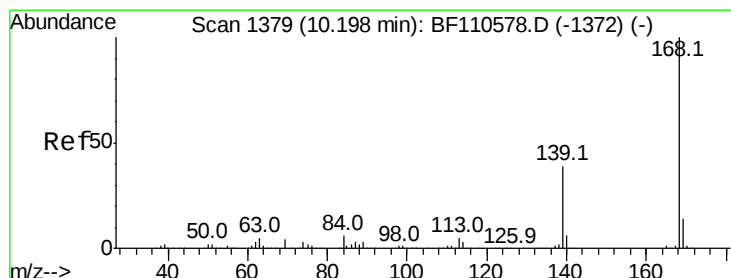
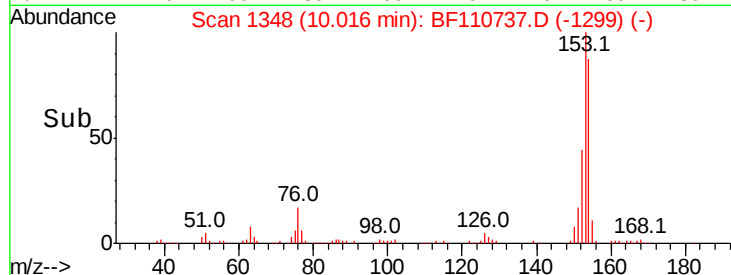
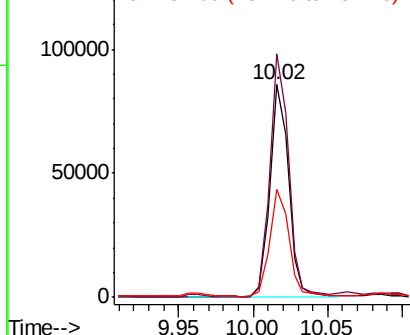
Tot Ion:154 Resp: 75067
 Ion Ratio Lower Upper
 154 100
 153 114.7 90.1 135.1
 152 51.1 43.4 65.2

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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: 2.472 ng

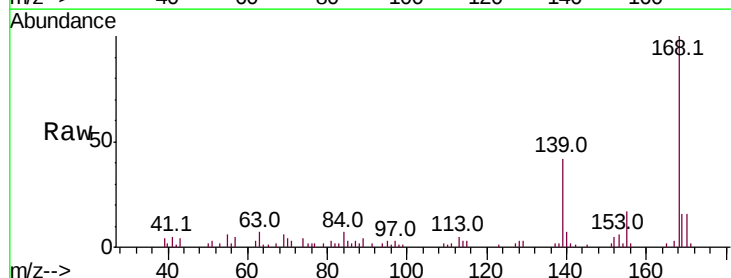
RT: 10.19 min Scan# 1378

Delta R.T. -0.01 min

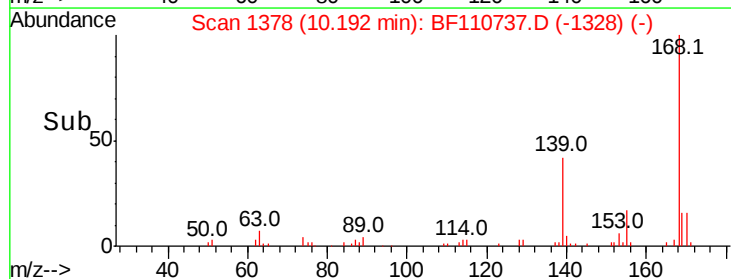
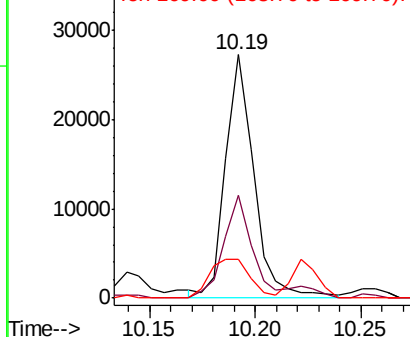
Lab File: BF110737.D

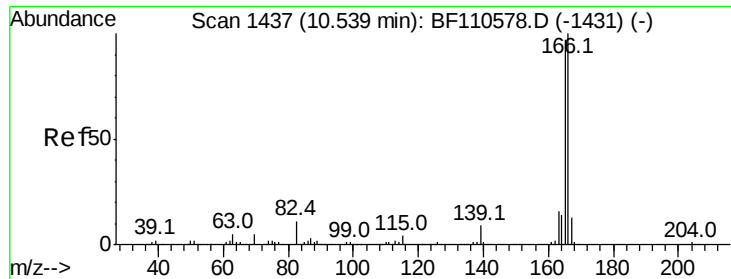
Acq: 13 Nov 2018 23:33

Tgt Ion:168 Resp: 25524
 Ion Ratio Lower Upper
 168 100
 139 42.3 33.0 49.6
 169 16.1 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





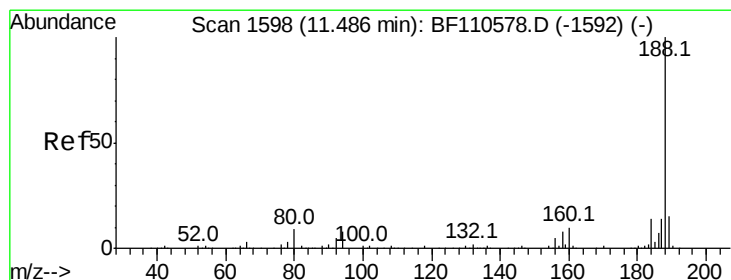
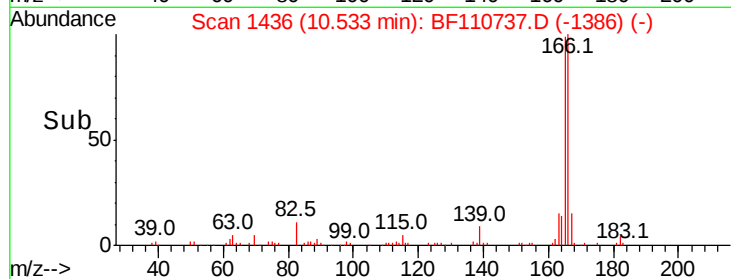
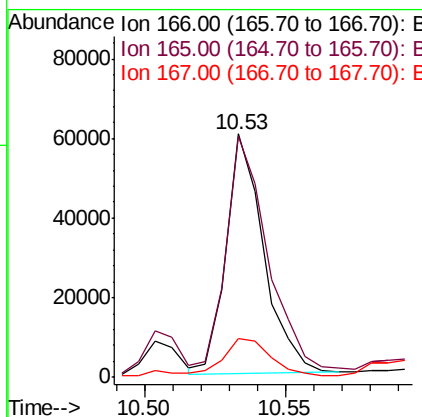
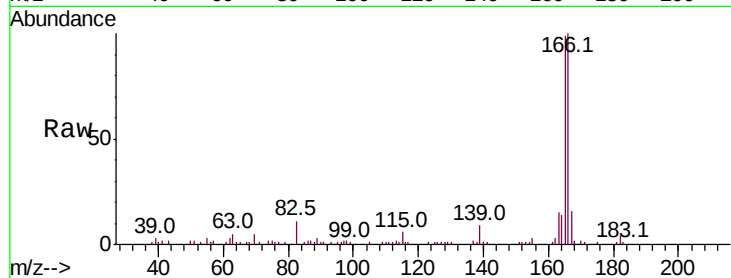
#58
 Fluorene
 Concen: 7.037 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110737.D
 Acq: 13 Nov 2018 23:33

Instrument :
 BNA_F
 ClientSampleId :
 SR-6-S

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.6	117.8
167	15.9	10.8	16.2

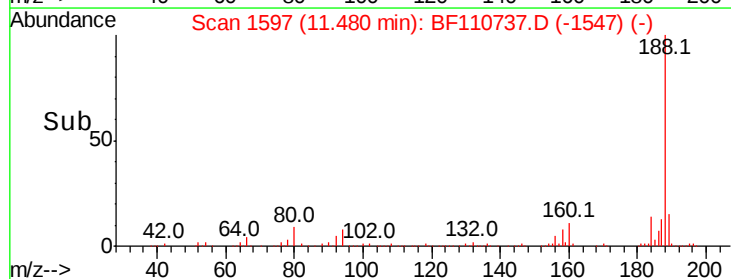
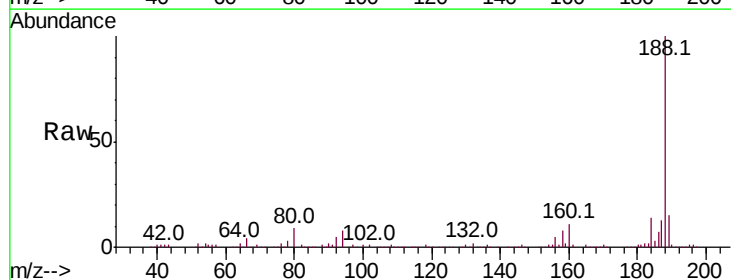
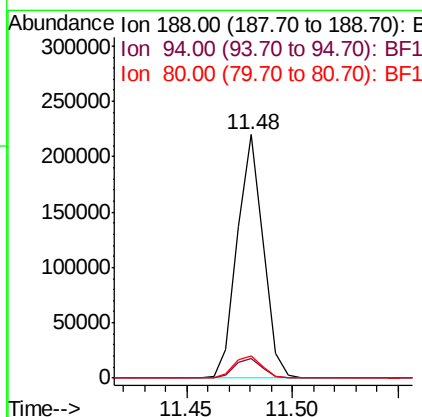
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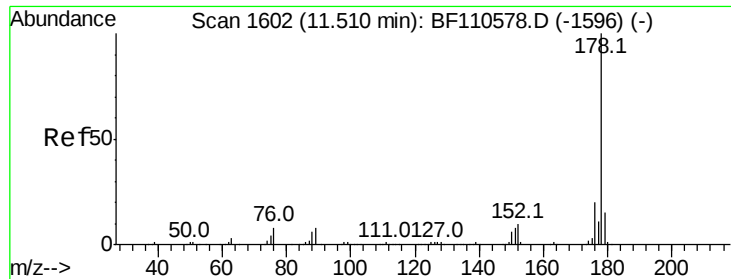
Sohil
 11/14/2018 1:52:30 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110737.D
 Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	9.2	7.9	11.9





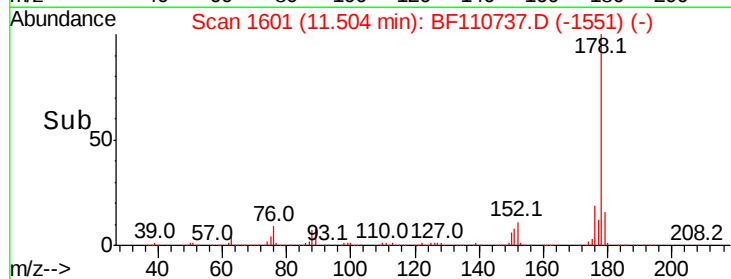
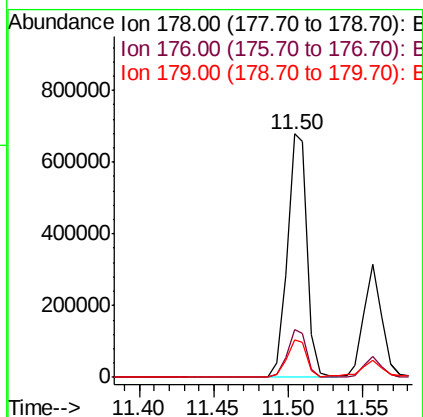
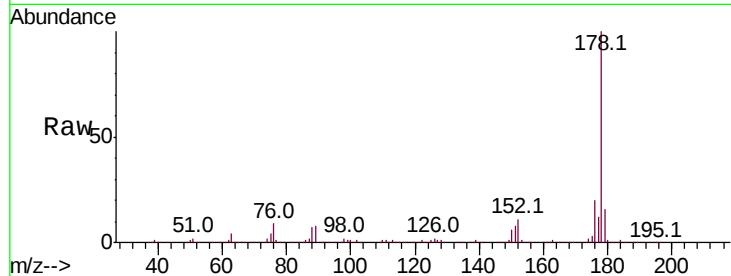
#71
Phenanthrene
Concen: 63.966 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	12.5	18.7

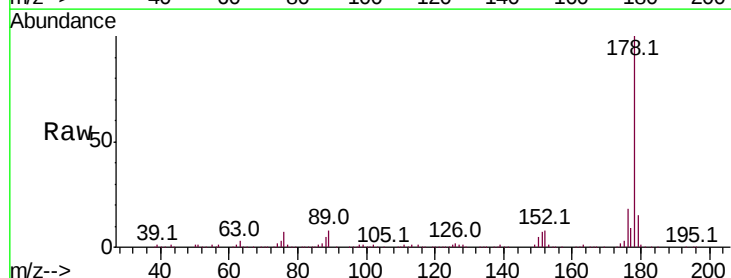
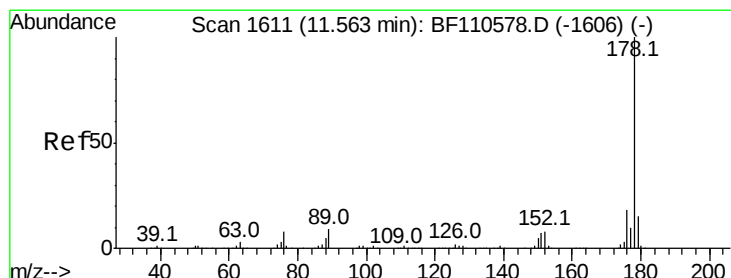
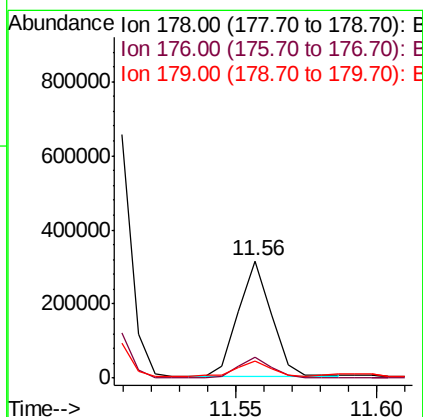
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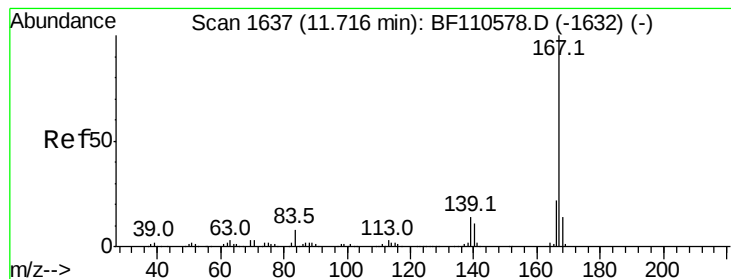
Sohil
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#72
Anthracene
Concen: 25.599 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.0	12.6	18.8





#73

Carbazole

Concen: 2.244 ng

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

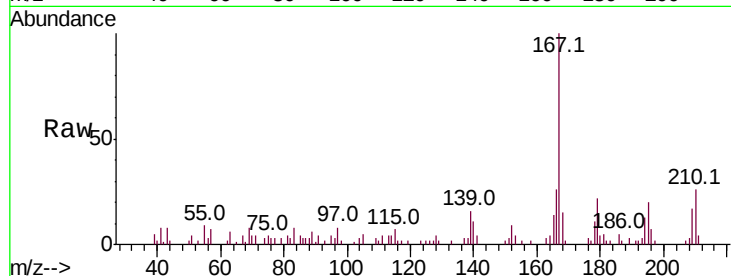
ClientSampleId :

SR-6-S

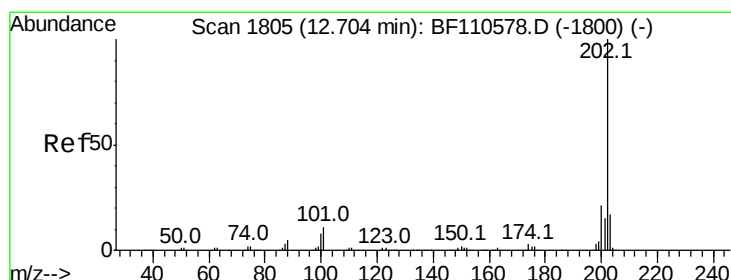
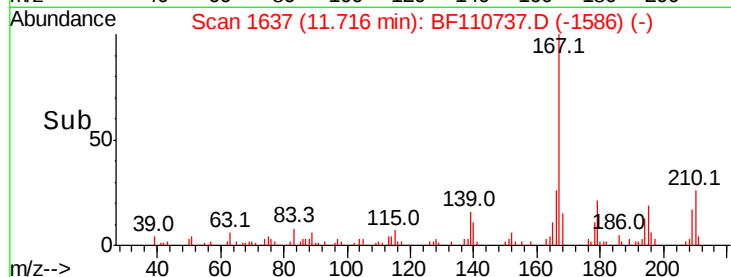
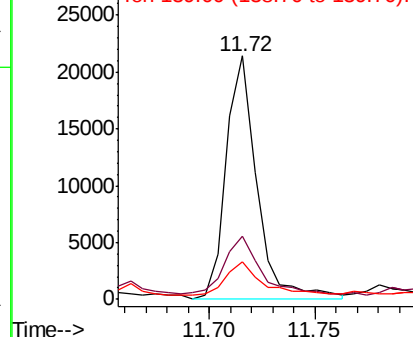
Tot Ion:	167	Resp:	21661
Ion Ratio	Lower	Upper	
167	100		
166	26.0	17.4	26.0
139	15.6	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 183.095 ng

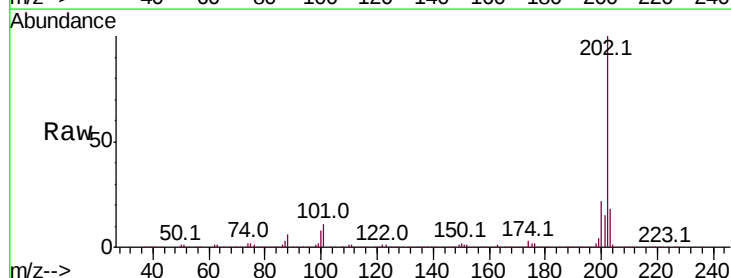
RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

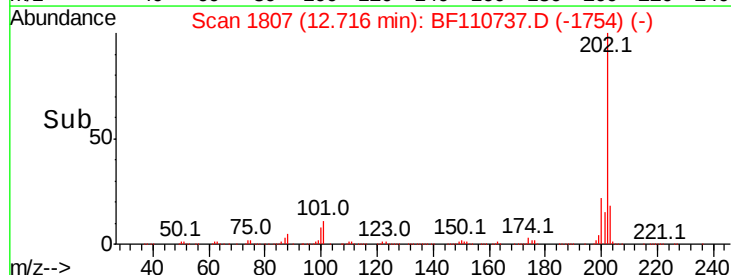
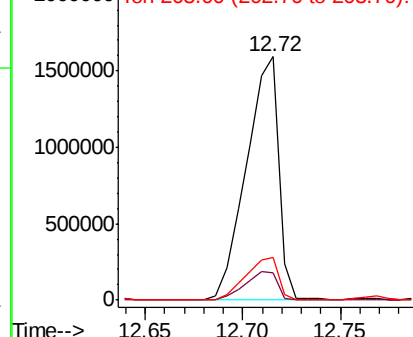
Lab File: BF110737.D

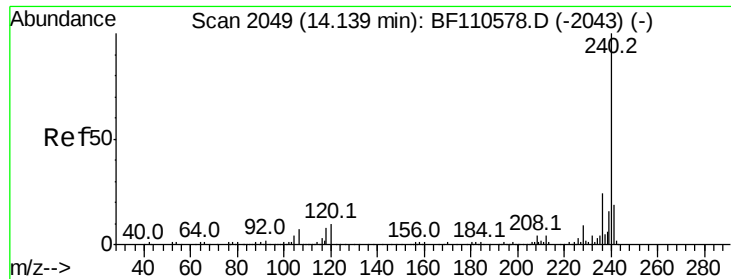
Acq: 13 Nov 2018 23:33

Tgt Ion:	202	Resp:	1829149
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.4
203	17.6	0.0	37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

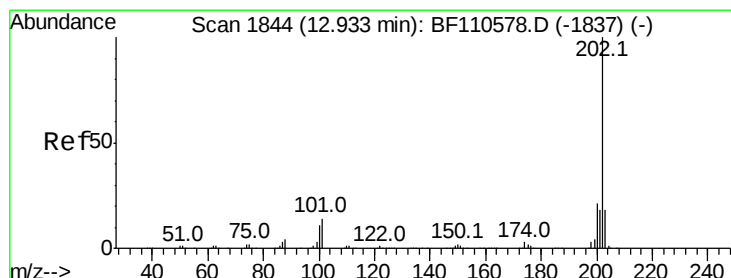
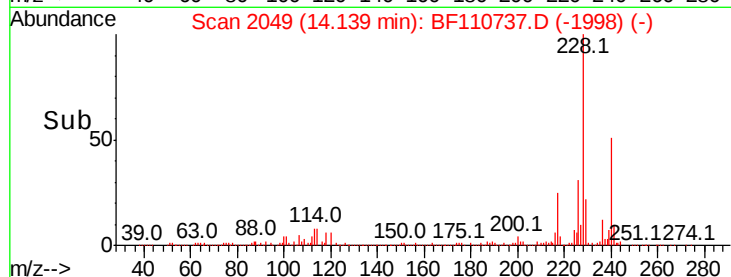
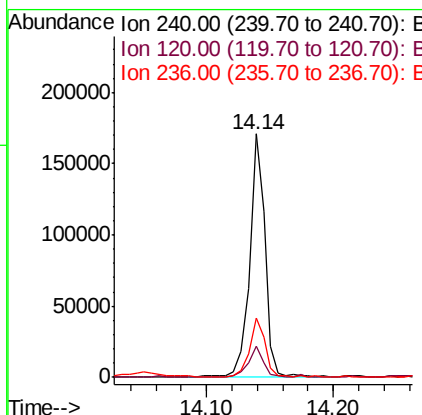
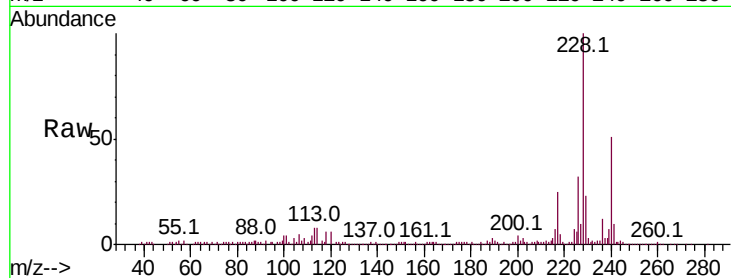
ClientSampleId :

SR-6-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.3	12.5#
236	24.6	21.2	31.8

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#78

Pyrene

Concen: 167.278 ng

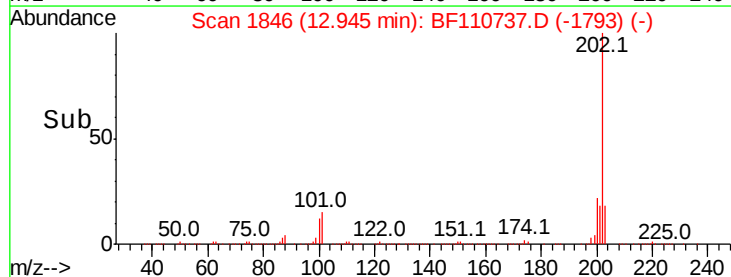
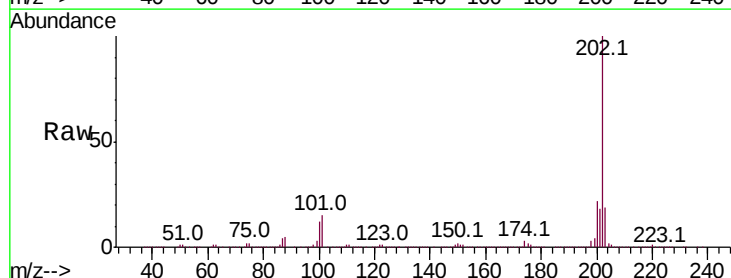
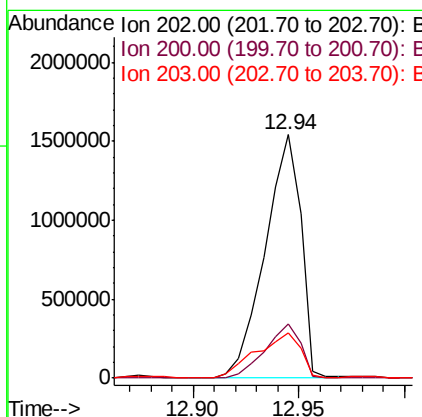
RT: 12.94 min Scan# 1846

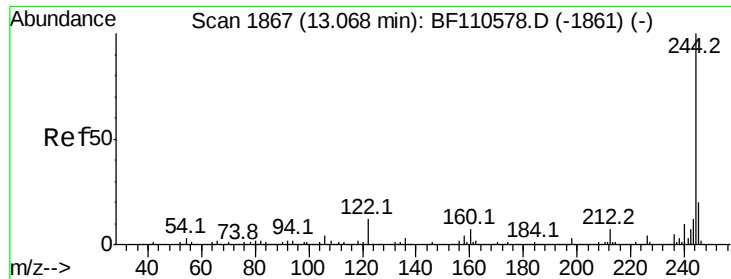
Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.6
203	18.7	14.2	21.4





#79

Terphenyl-d14

Concen: 31.696 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

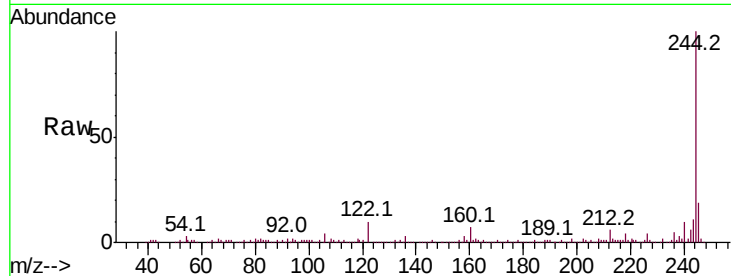
ClientSampleId :

SR-6-S

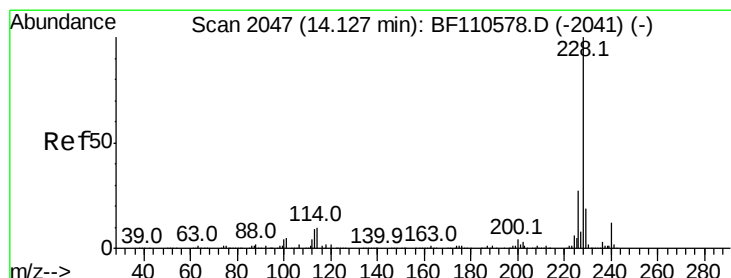
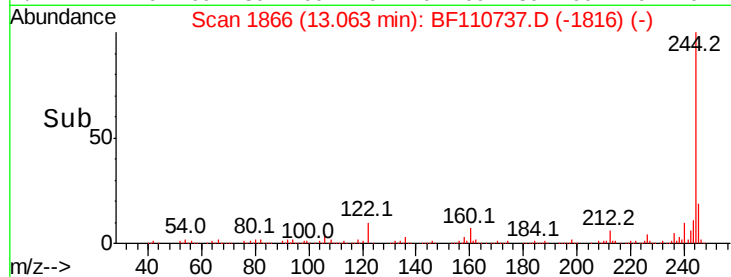
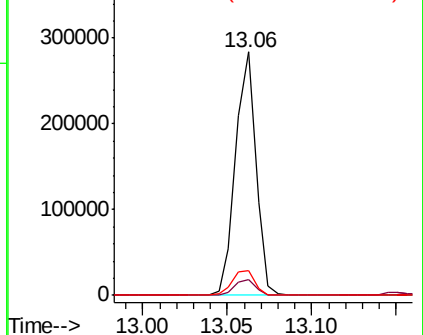
Tot Ion:	244	Resp:	238766
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.8
122	10.4	8.7	13.1

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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



#81

Benzo(a)anthracene

Concen: 120.945 ng

RT: 14.13 min Scan# 2048

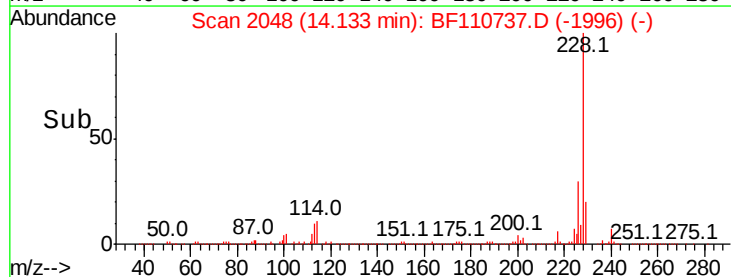
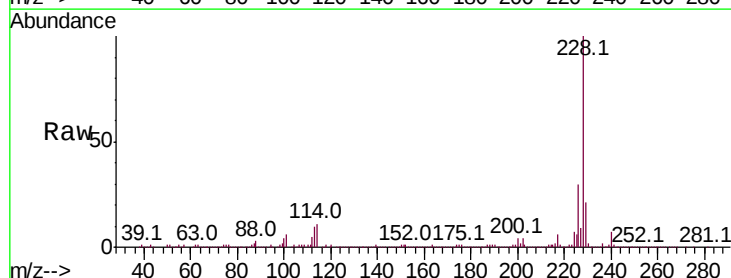
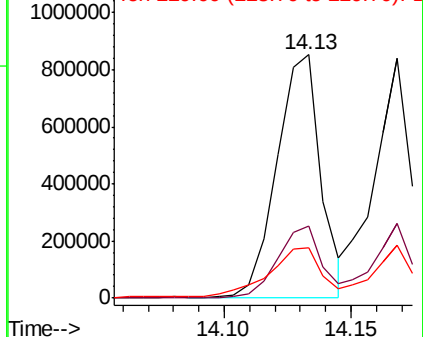
Delta R.T. 0.01 min

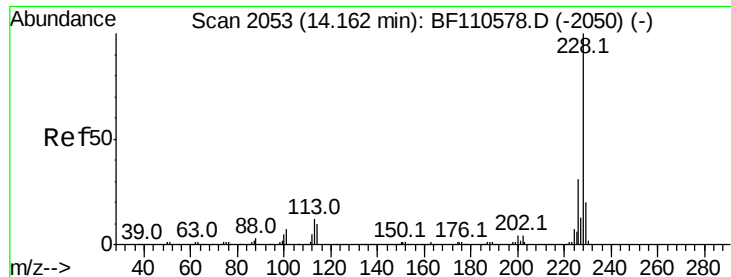
Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Tgt Ion:	228	Resp:	1019840
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.1	33.1
229	20.7	15.6	23.4

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





#83

Chrysene

Concen: 102.124 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

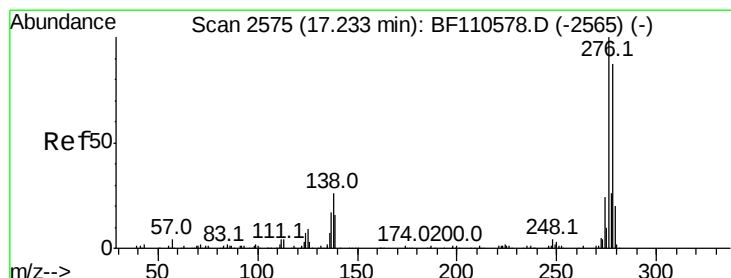
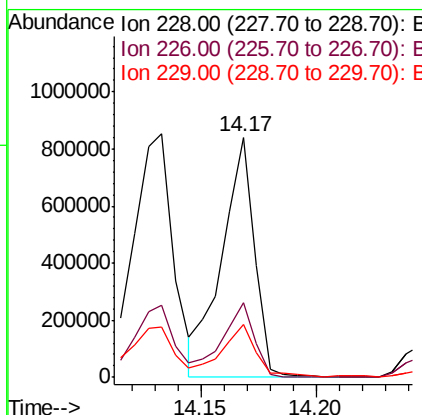
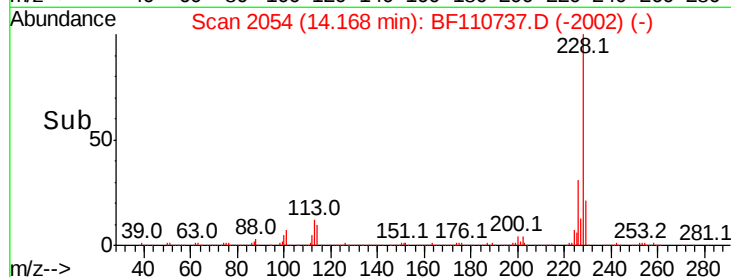
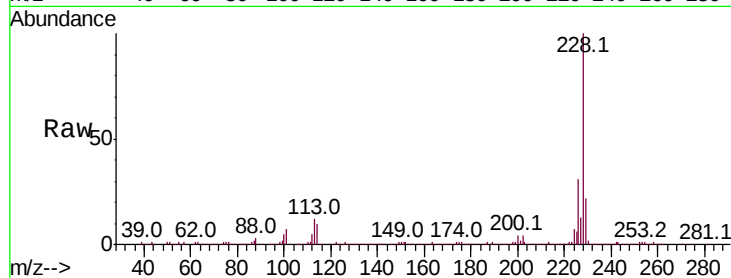
ClientSampled :

SR-6-S

Tot Ion:	228	Resp:	820406
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.7	37.1
229	22.2	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 53.794 ng

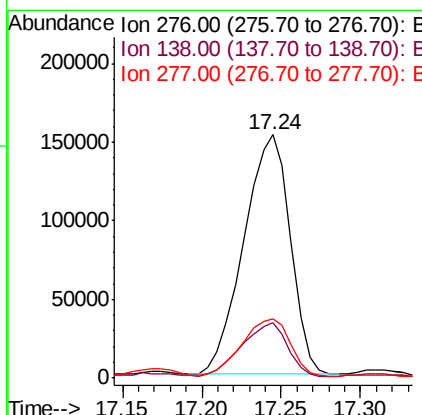
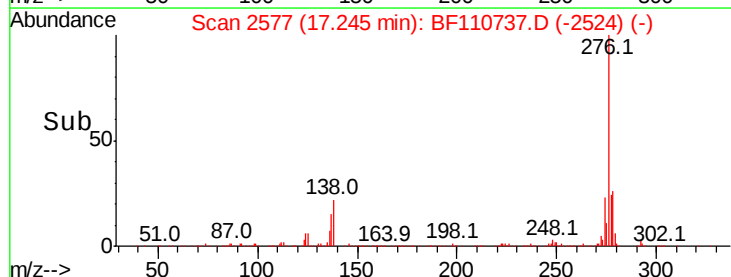
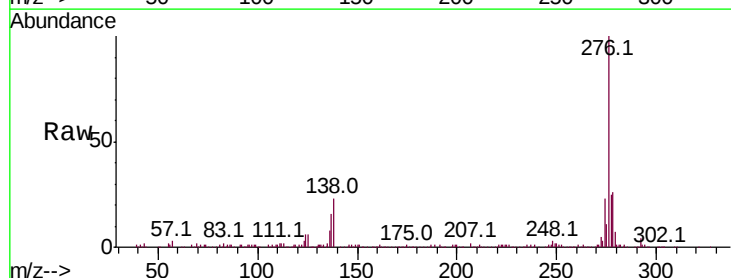
RT: 17.24 min Scan# 2577

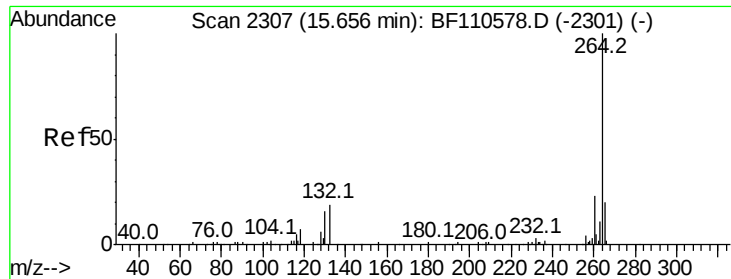
Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Tgt Ion:	276	Resp:	310107
Ion Ratio	Lower	Upper	
276	100		
138	22.2	18.5	27.7
277	24.6	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Instrument :

BNA_F

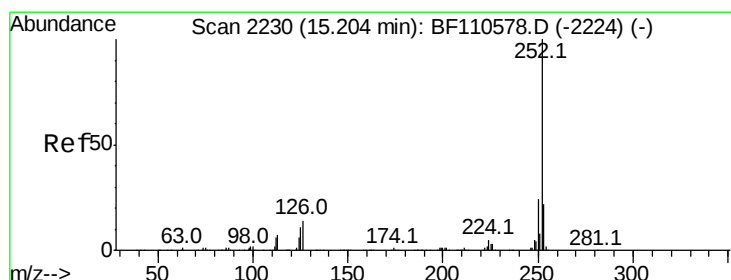
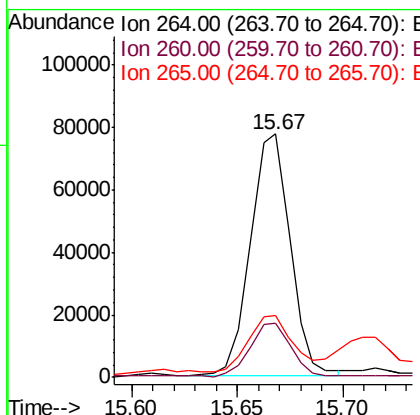
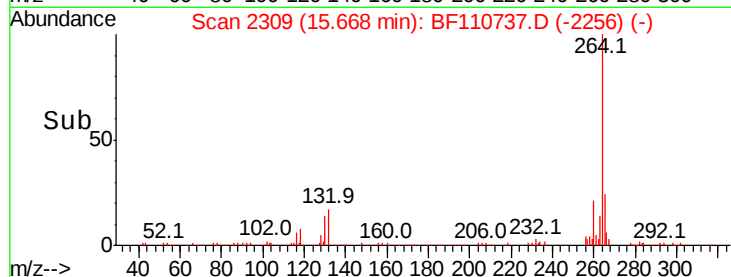
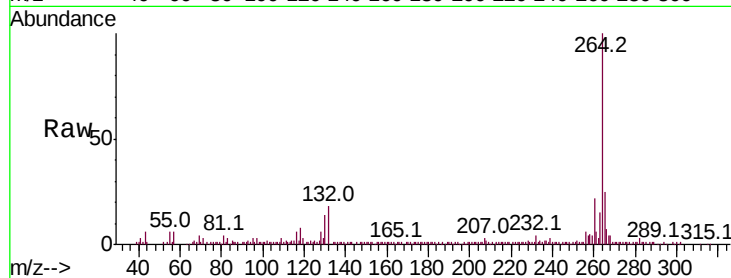
ClientSampled :

SR-6-S

Tot Ion:	264	Resp:	101154
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.7	28.1
265	25.2	16.7	25.1#

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 136.290 ng m

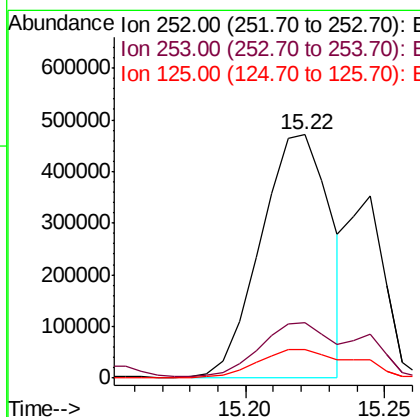
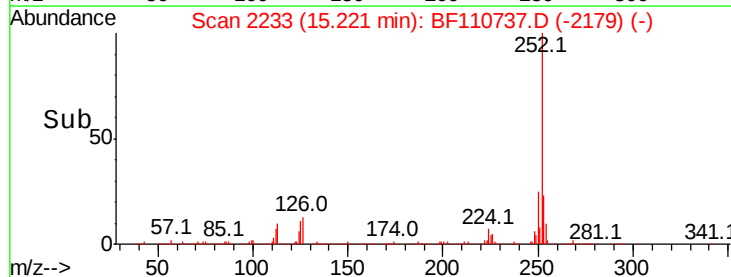
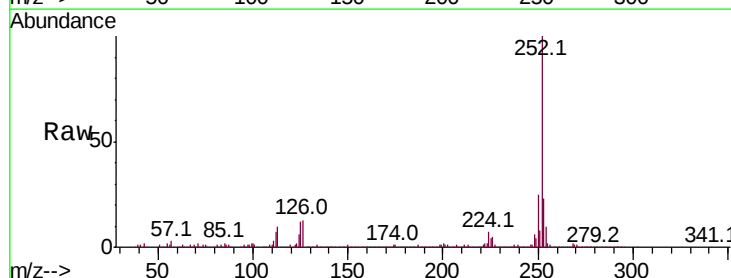
RT: 15.22 min Scan# 2233

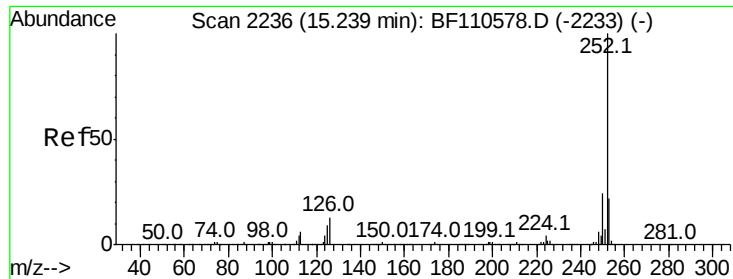
Delta R.T. 0.02 min

Lab File: BF110737.D

Acq: 13 Nov 2018 23:33

Tgt Ion:	252	Resp:	824745
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	11.8	8.2	12.4





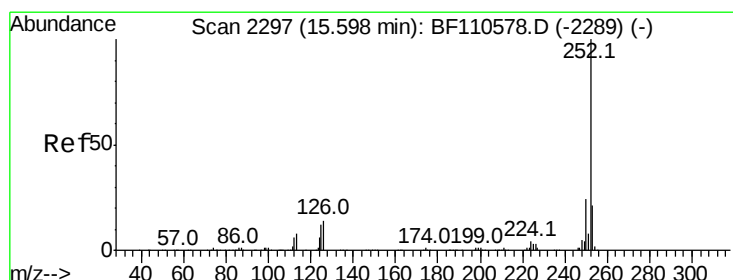
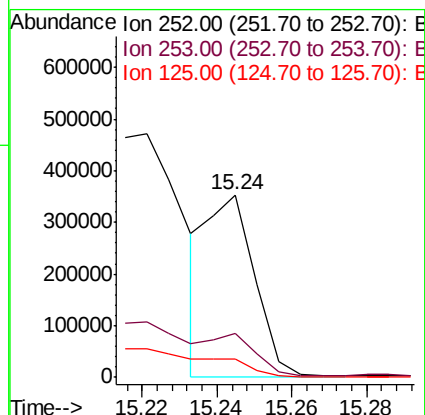
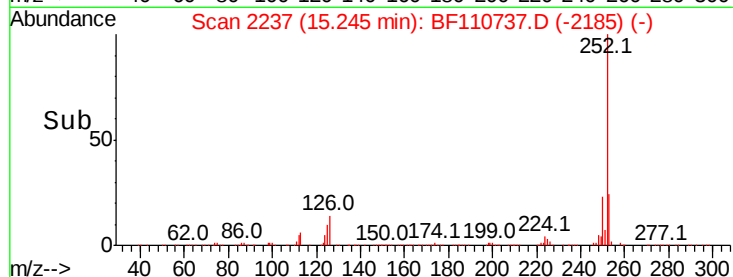
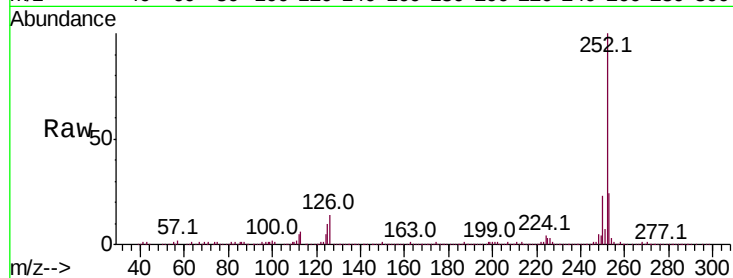
#89
Benzo(k)fluoranthene
Concen: 52.575 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	10.1	7.4	11.0

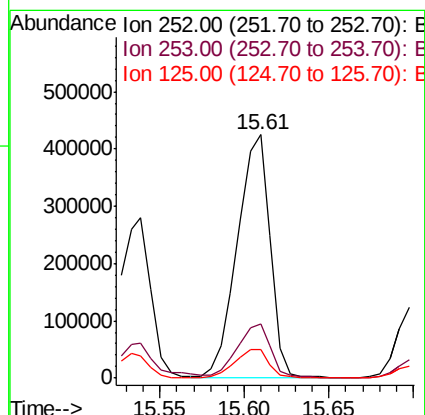
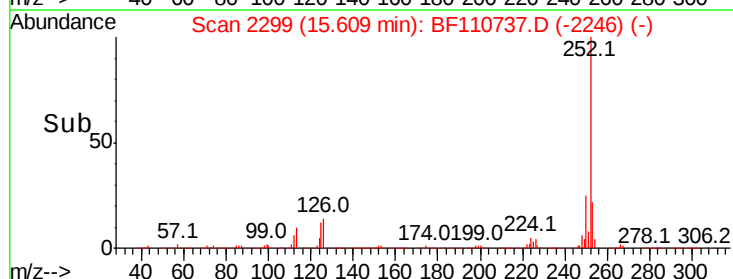
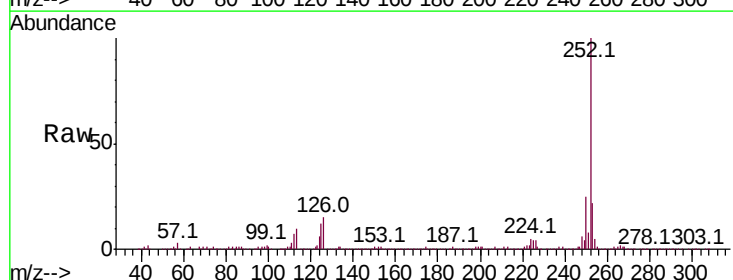
Manual Integrations
APPROVED

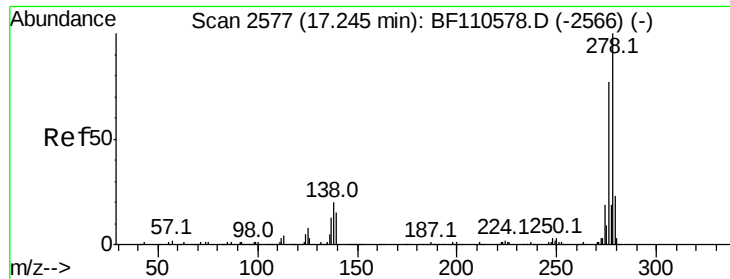
Sohil
11/14/2018 1:52:30 PM



#90
Benzo(a)pyrene
Concen: 104.319 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	11.9	9.0	13.6





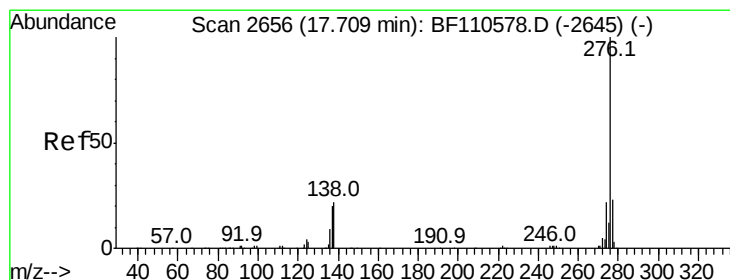
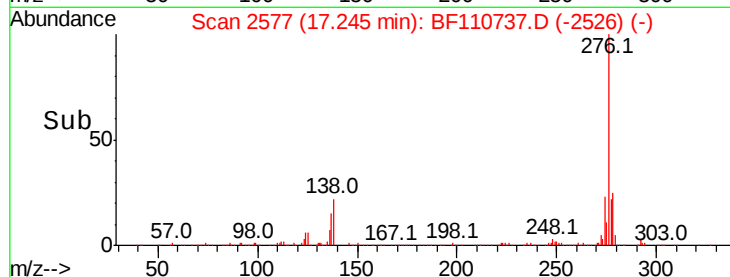
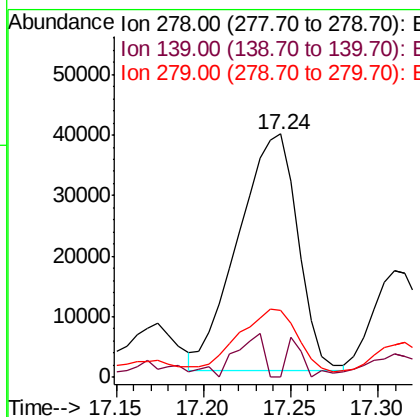
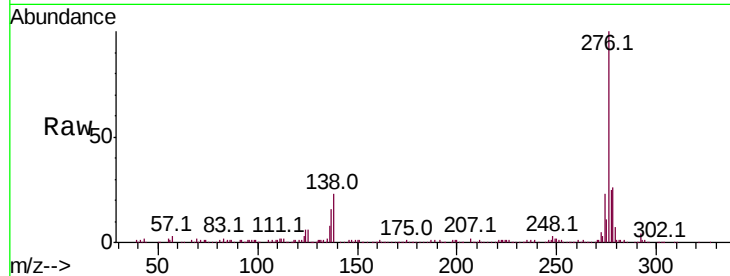
#91
Dibenzo(a,h)anthracene
Concen: 19.966 ng m
RT: 17.24 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Instrument :
BNA_F
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	27.3	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/14/2018 1:52:30 PM



#92
Benzo(g,h,i)perylene
Concen: 61.620 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BF110737.D
Acq: 13 Nov 2018 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	21.7	16.0	24.0

