

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110606.D
 Acq On : 9 Nov 2018 00:56
 Operator : JU/SJ
 Sample : J5858-11 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-S

Manual Integrations
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Quant Time: Nov 09 13:30:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	82788	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	301386	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	130838	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	209027	20.00	ng	0.00
76) Chrysene-d12	14.13	240	177613	20.00	ng	-0.01
87) Perylene-d12	15.66	264	140928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	272518	53.47	ng	0.00
7) Phenol-d6	6.56	99	389236	59.72	ng	-0.01
23) Nitrobenzene-d5	7.51	82	230143	43.98	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	44246	33.56	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	393923	43.00	ng	0.00
79) Terphenyl-d14	13.06	244	326427	34.42	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.57	94	21897	2.897	ng	80
38) 1-Methylnaphthalene	9.05	142	32482	3.642	ng	# 68
50) Dimethylphthalate	9.69	163	33911	3.474	ng	# 76
52) Acenaphthene	10.03	154	34565	4.319	ng	# 85
55) Dibenzofuran	10.20	168	38294	3.271	ng	95
58) Fluorene	10.54	166	72006	8.007	ng	# 95
71) Phenanthrene	11.50	178	537813	48.025	ng	99
72) Anthracene	11.56	178	164832	14.591	ng	98
73) Carbazole	11.71	167	57904	5.337	ng	99
75) Fluoranthene	12.70	202	493468	43.952	ng	99
78) Pyrene	12.93	202	424024	31.005	ng	99
81) Benzo(a)anthracene	14.12	228	196598	18.519	ng	99
83) Chrysene	14.16	228	159285	15.749	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	50189	6.915	ng	98
88) Benzo(b)fluoranthene	15.20	252	166760m	19.780	ng	
89) Benzo(k)fluoranthene	15.23	252	47028m	5.645	ng	
90) Benzo(a)pyrene	15.59	252	108798	14.203	ng	98
91) Dibenzo(a,h)anthracene	17.23	278	14946	2.306	ng	# 81
92) Benzo(a,h,i)perylene	17.70	276	47247	7.346	ng	98

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

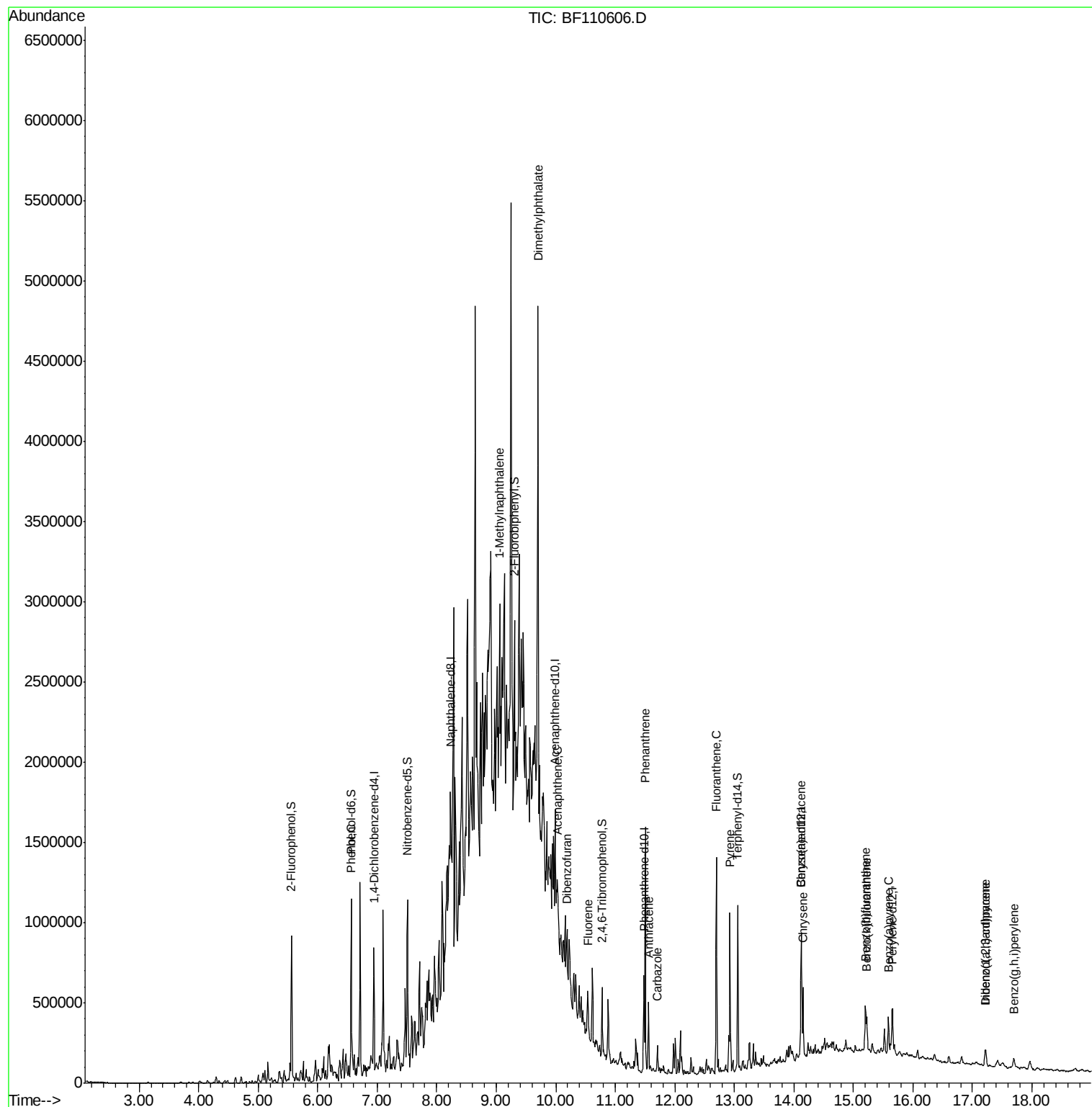
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
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ALS Vial : 24 Sample Multiplier: 1

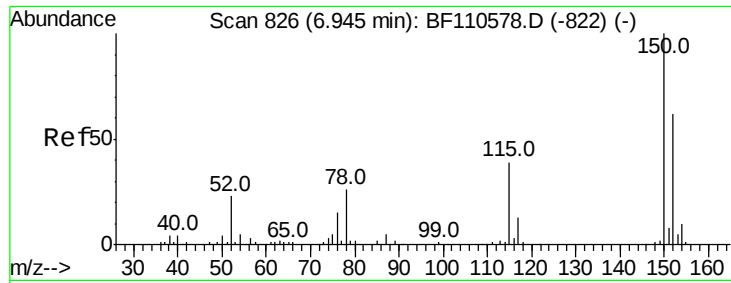
Instrument :
BNA_F
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SB-9-S

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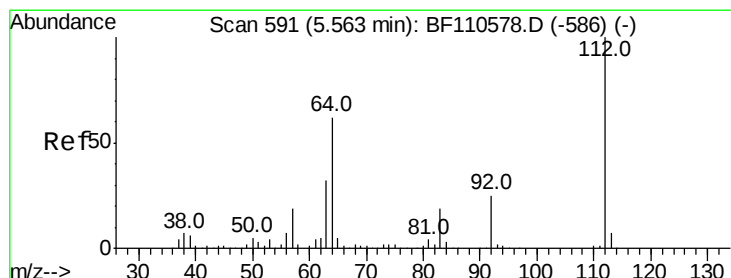
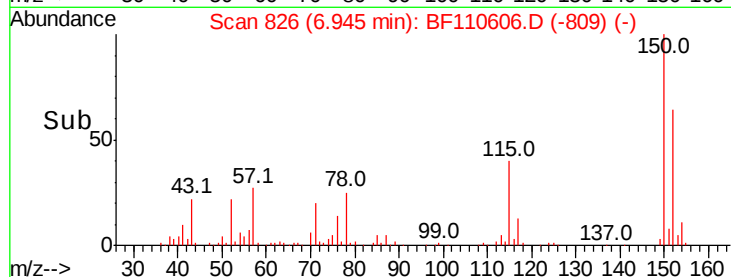
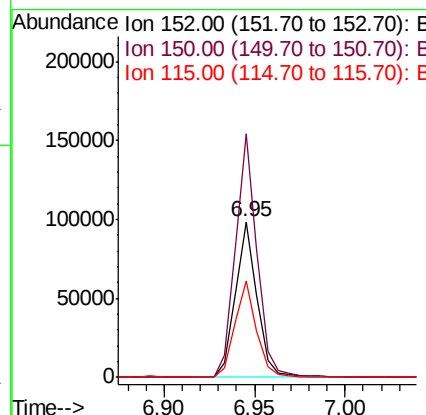
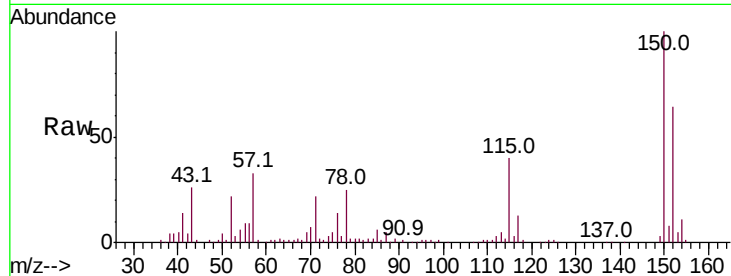
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Instrument :
 BNA_F
 ClientSampled :
 SB-9-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.7	184.1
115	62.1	49.1	73.7

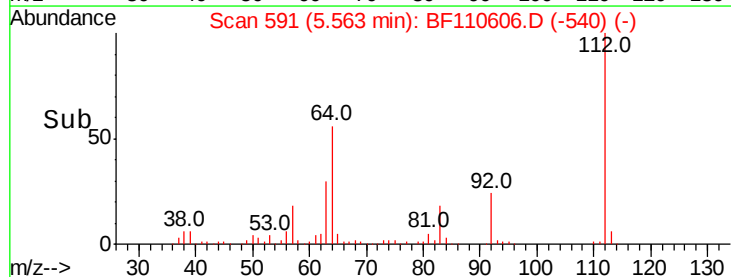
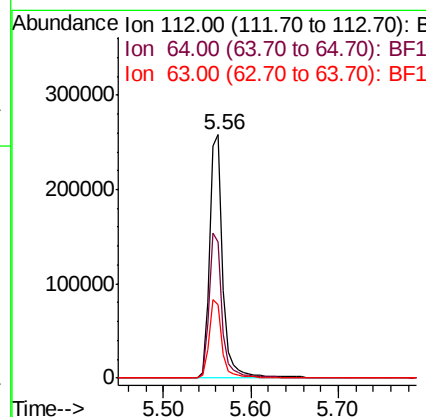
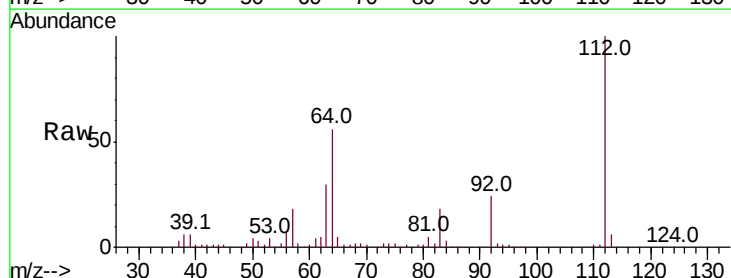
Manual Integrations
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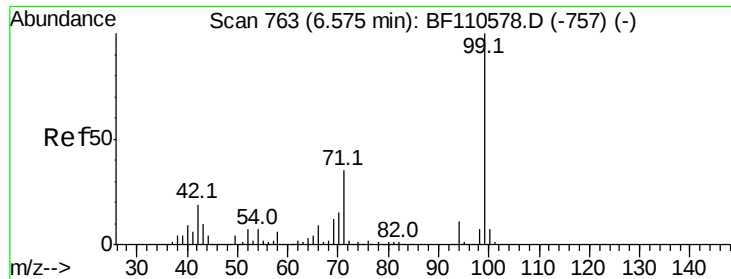
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#5
 2-Fluorophenol
 Concen: 53.469 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.1	66.1
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 59.721 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

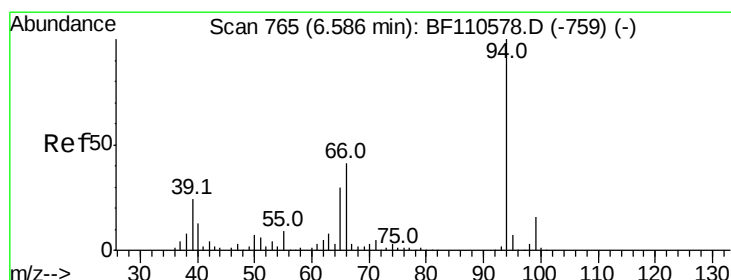
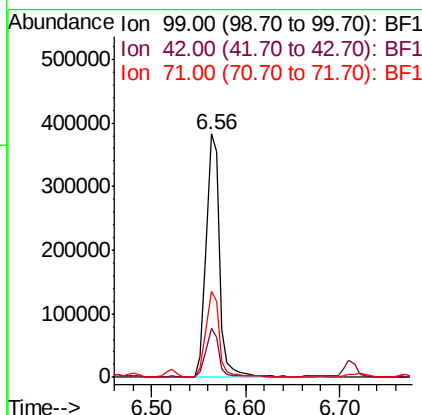
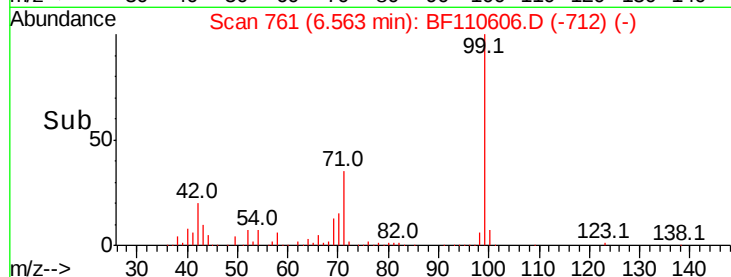
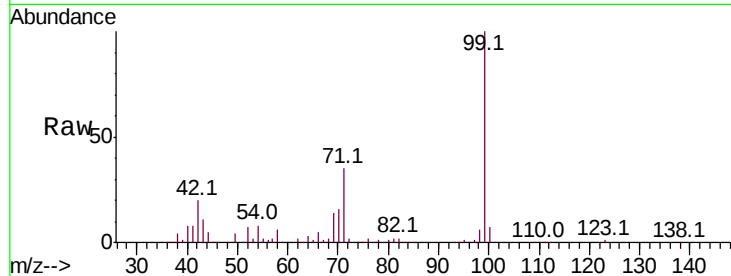
ClientSampled :

SB-9-S

Tot Ion:	99	Resp:	389236
Ion Ratio	Lower	Upper	
99	100		
42	20.2	15.8	23.6
71	35.4	28.0	42.0

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#10

Phenol

Concen: 2.897 ng

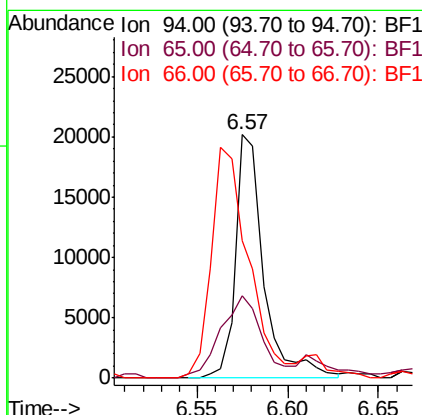
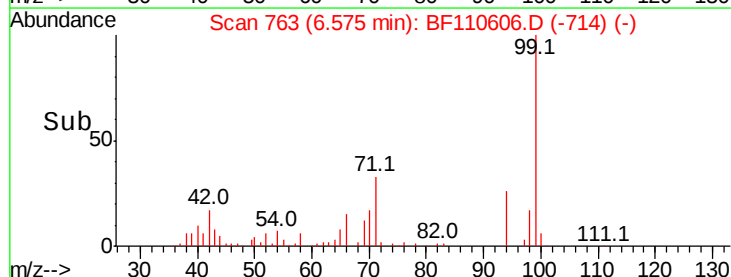
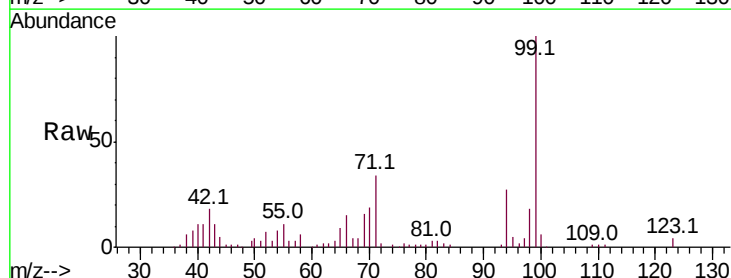
RT: 6.57 min Scan# 763

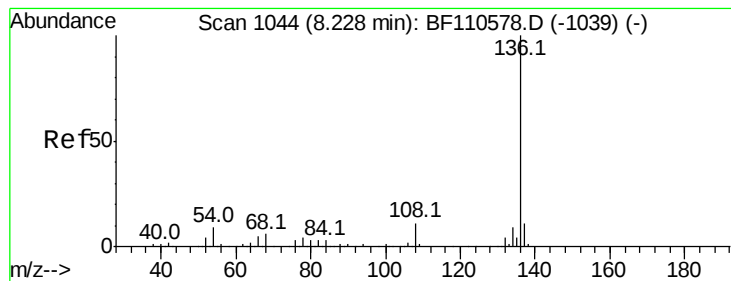
Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion:	94	Resp:	21897
Ion Ratio	Lower	Upper	
94	100		
65	33.6	25.3	65.3
66	56.2	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: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

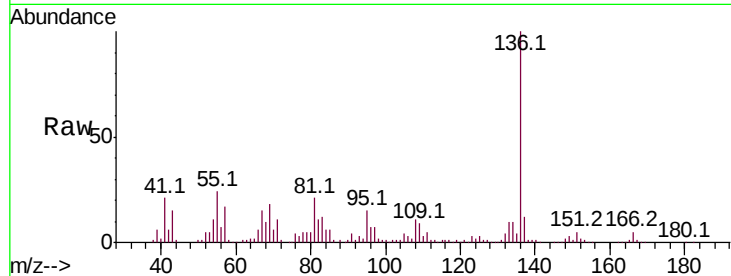
ClientSampled :

SB-9-S

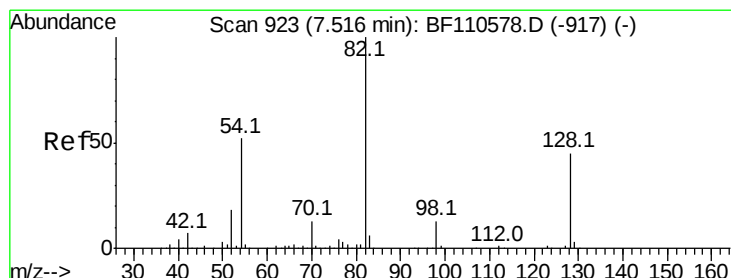
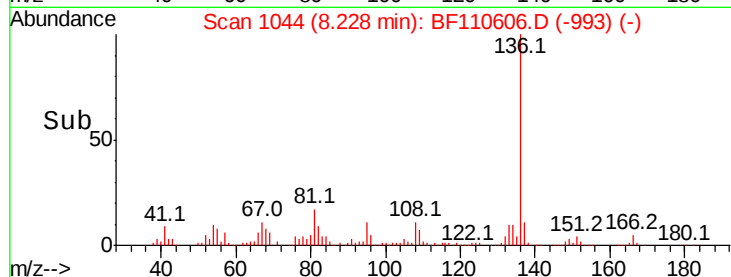
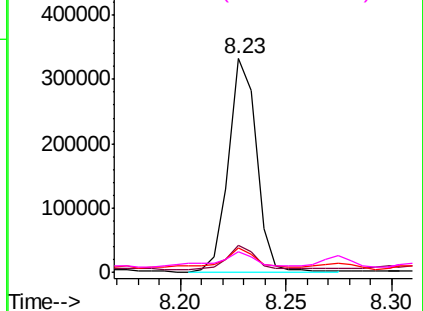
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.4	8.8	13.2
54	11.1	5.4	8.2#
68	9.5	4.2	6.2#

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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: 43.976 ng

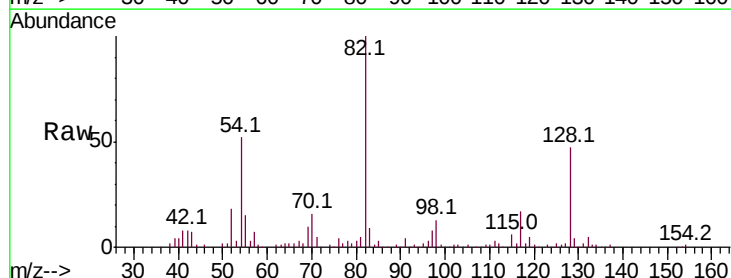
RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

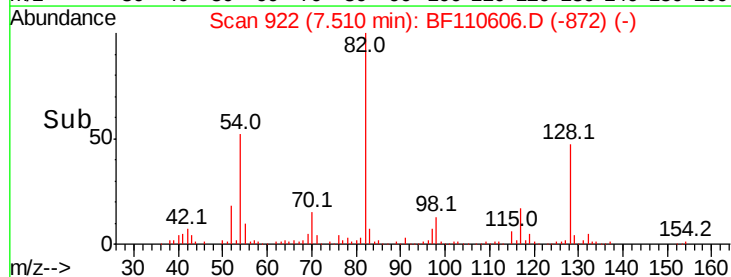
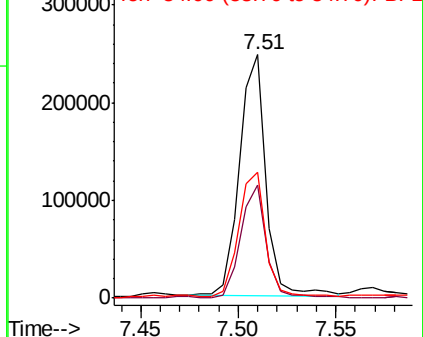
Lab File: BF110606.D

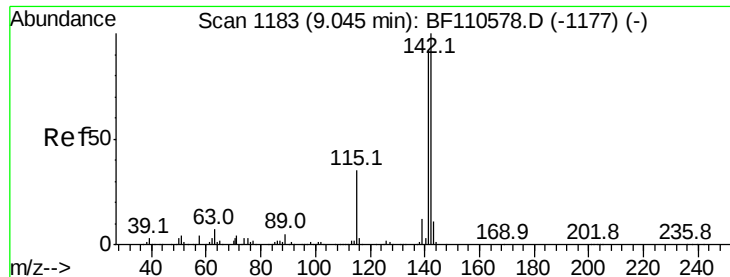
Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.6	34.2	51.2
54	51.7	38.6	58.0



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





#38

1-Methylnaphthalene

Concen: 3.642 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

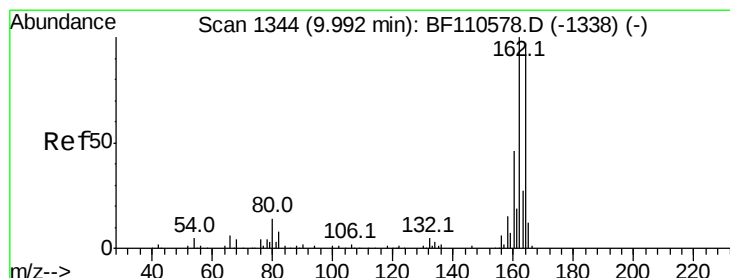
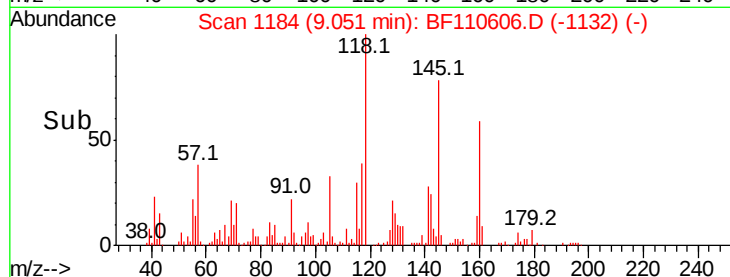
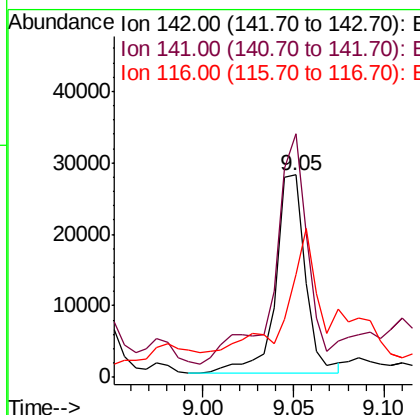
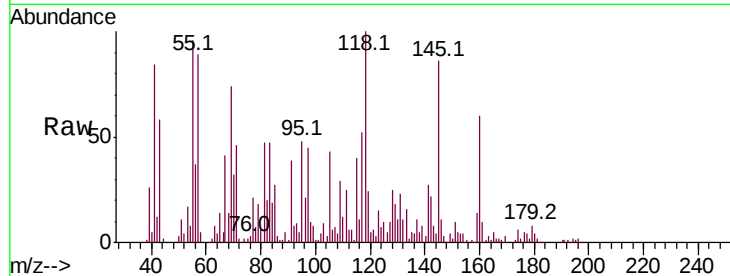
Instrument :
BNA_F
ClientSampleId :
SB-9-S

Tot Ion:142 Resp: 32482

Ion	Ratio	Lower	Upper
142	100		
141	120.2	74.2	111.4#
116	50.7	2.6	4.0#

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1344

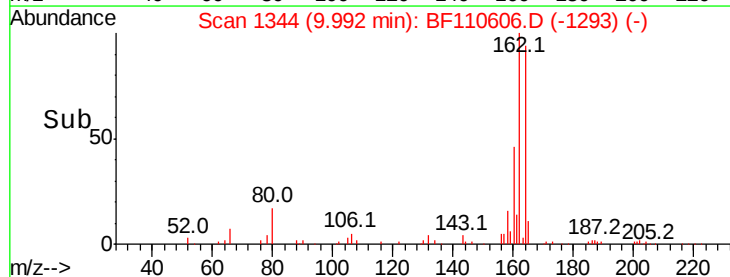
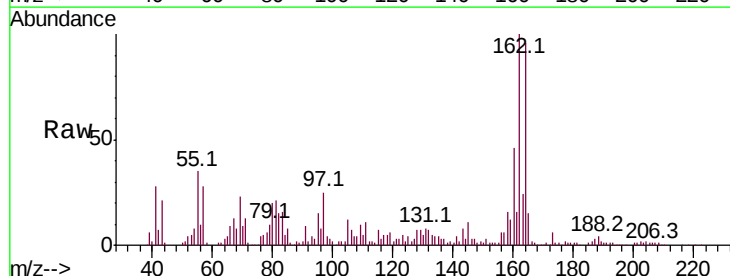
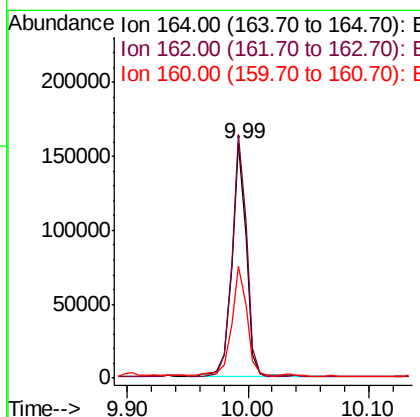
Delta R.T. 0.00 min

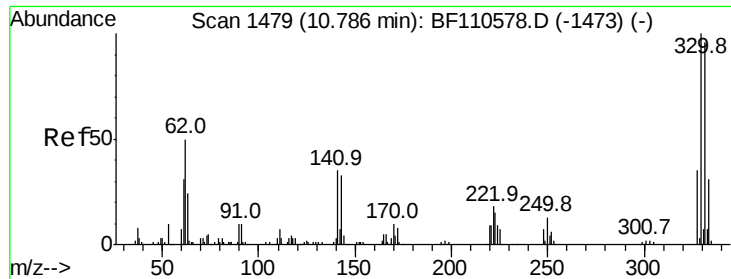
Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion:164 Resp: 130838

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.0	124.6
160	47.8	37.0	55.6





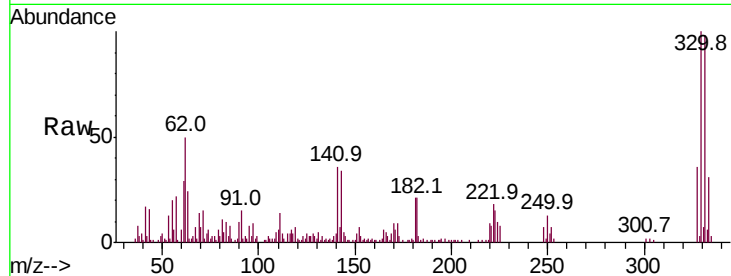
#42
 2,4,6-Tribromophenol
 Concen: 33.561 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Instrument :
 BNA_F
 ClientSampled :
 SB-9-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	39.9	27.0	40.4

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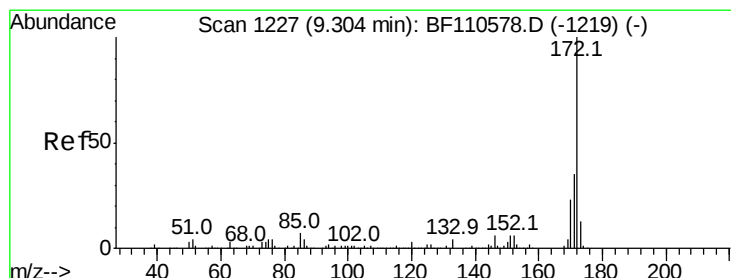
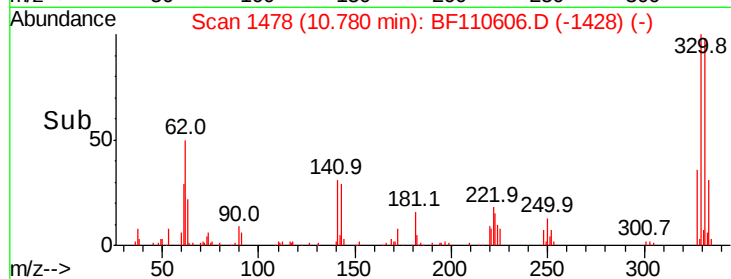
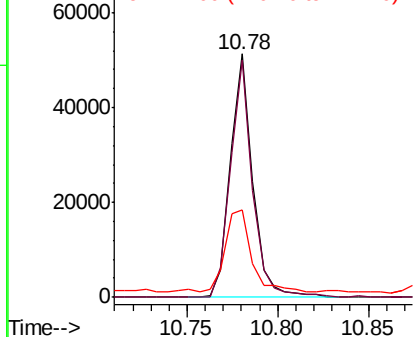


Abundance

Ion 329.80 (329.50 to 330.50): E

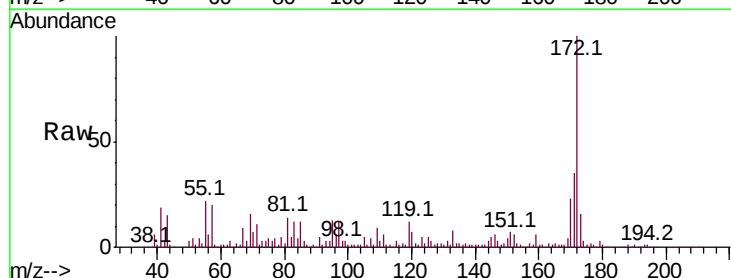
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 42.999 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.0	19.7	29.5

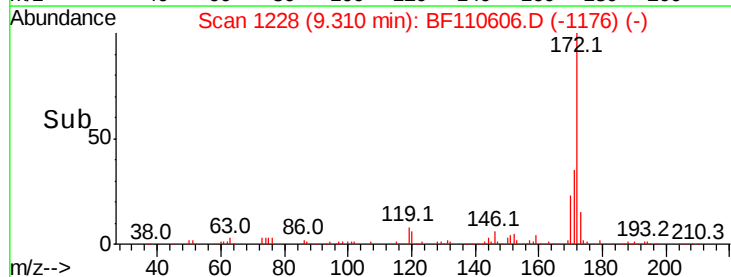
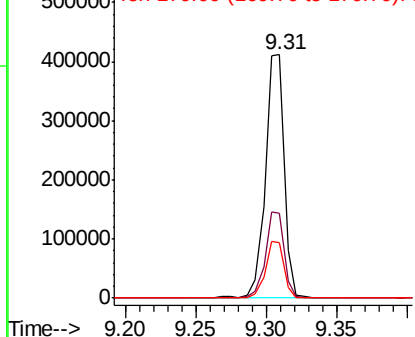


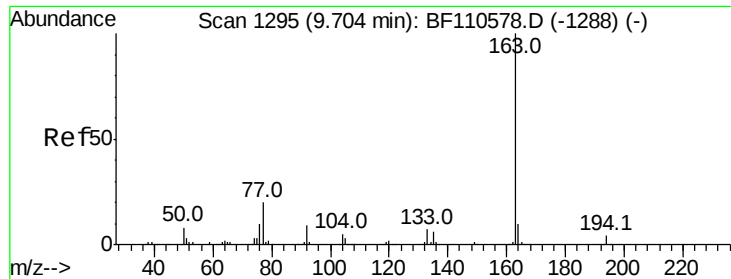
Abundance

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





#50

Dimethylphthalate

Concen: 3.474 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

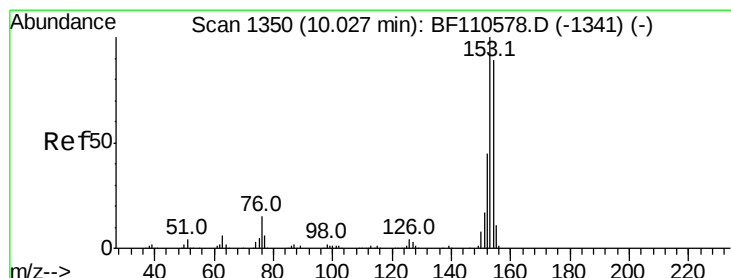
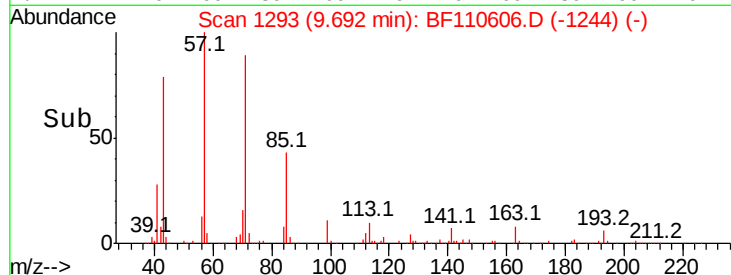
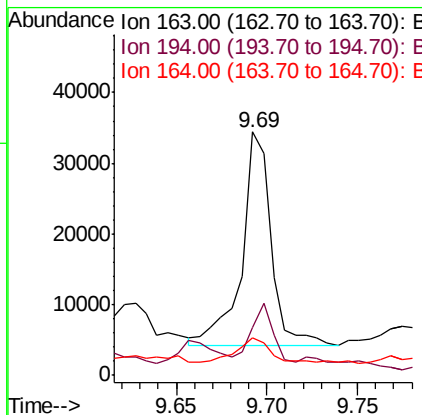
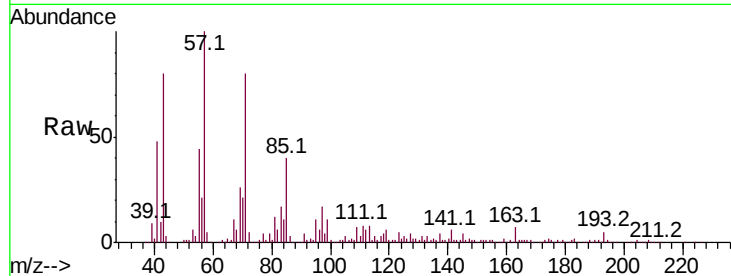
ClientSampleId :

SB-9-S

Tot Ion	Ratio	Lower	Upper
163	100		
194	19.7	3.2	4.8#
164	15.5	8.1	12.1#

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#52

Acenaphthene

Concen: 4.319 ng

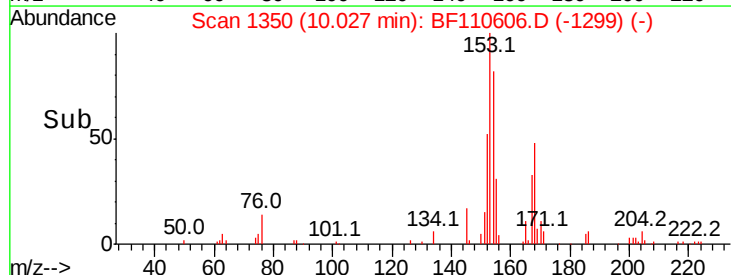
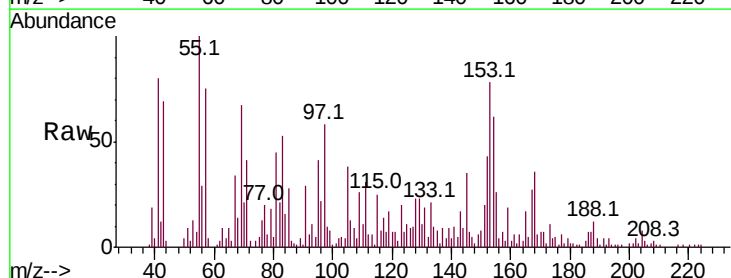
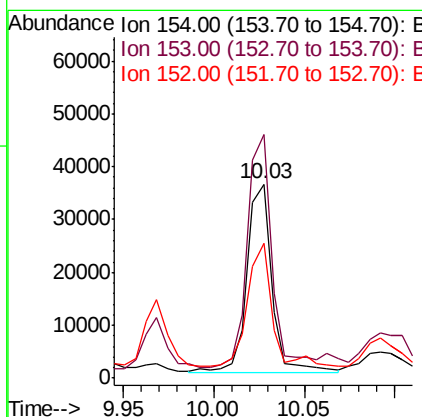
RT: 10.03 min Scan# 1350

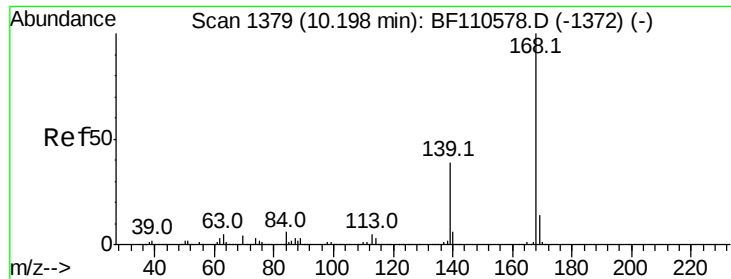
Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	125.5	90.1	135.1
152	69.3	43.4	65.2#





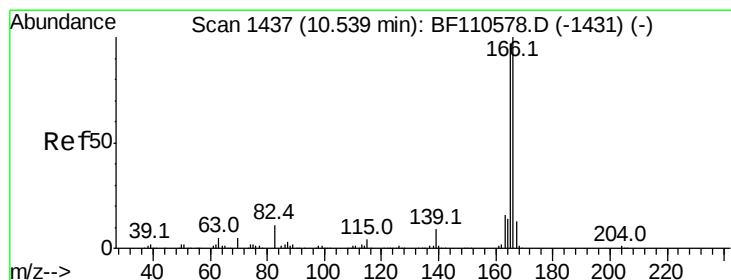
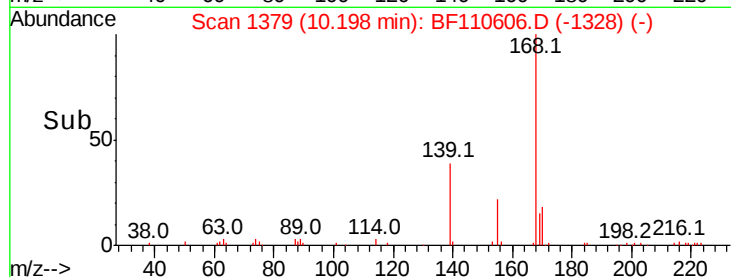
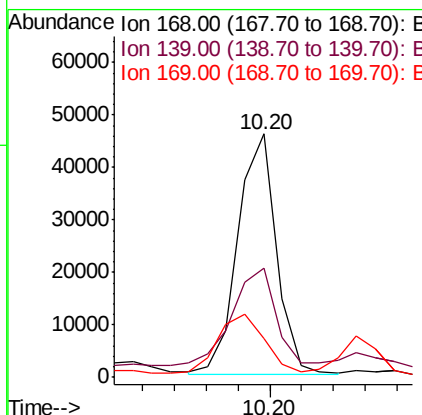
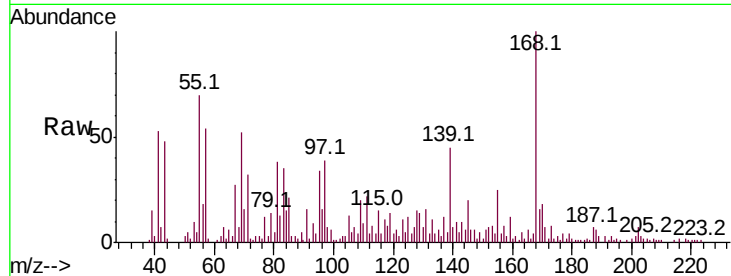
#55
Dibenzofuran
Concen: 3.271 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampleId :
SB-9-S

Tot Ion	Ratio	Lower	Upper
168	100		
139	44.6	33.0	49.6
169	16.1	11.3	16.9

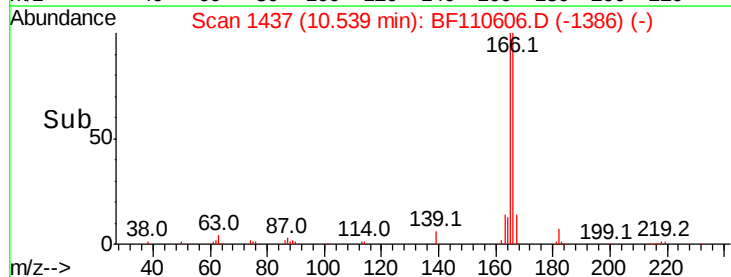
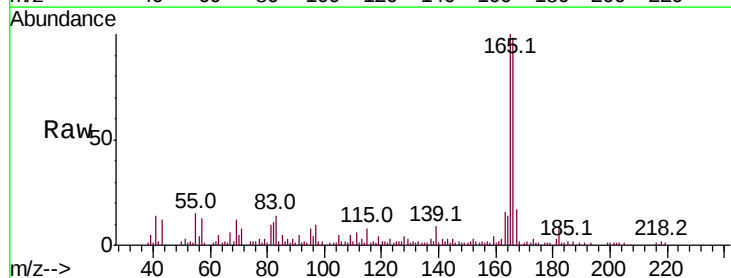
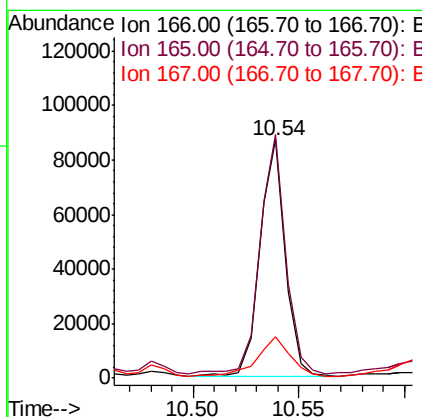
Manual Integrations
APPROVED

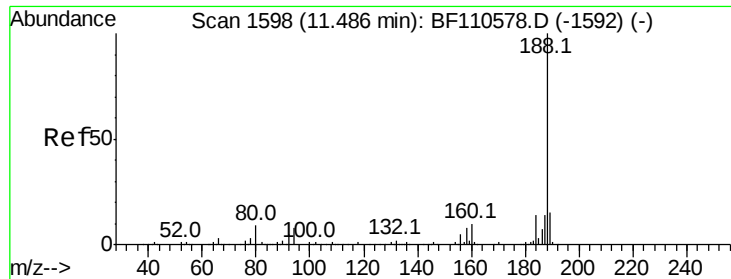
Sohil
11/9/2018 4:26:17 PM



#58
Fluorene
Concen: 8.007 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	78.6	117.8
167	17.4	10.8	16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

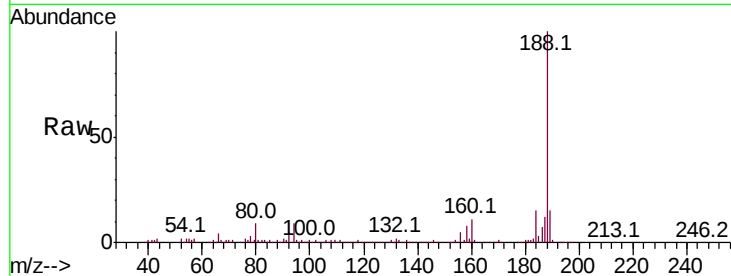
ClientSampleId :

SB-9-S

Tot Ion:188	Resp: 209027
Ion Ratio	Lower Upper
188 100	
94 8.8	7.2 10.8
80 8.9	7.9 11.9

Manual Integrations
APPROVED

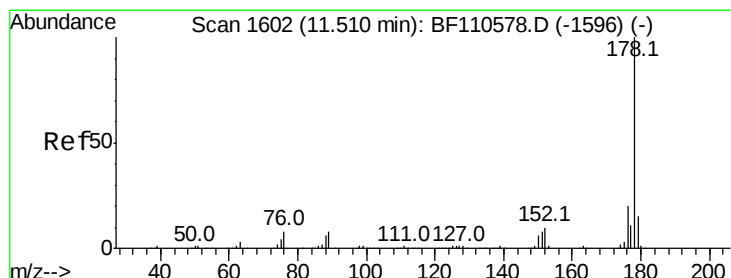
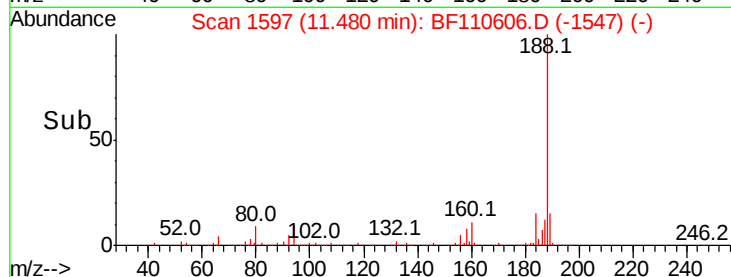
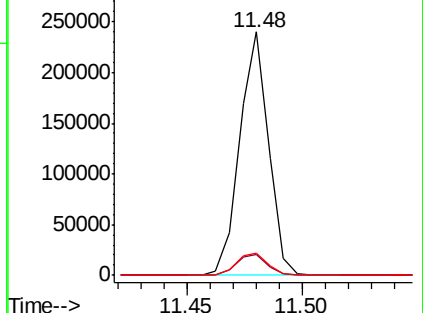
Sohil
11/9/2018 4:26:17 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 48.025 ng

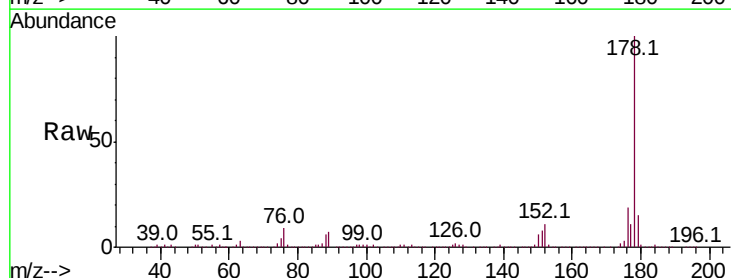
RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

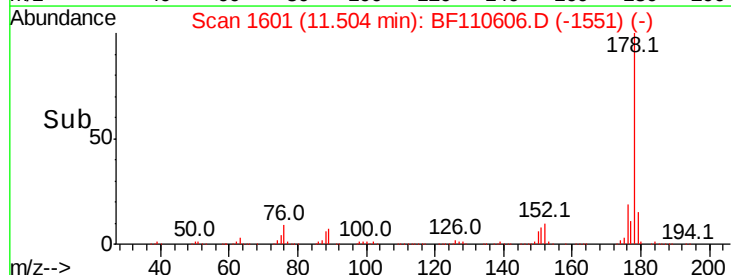
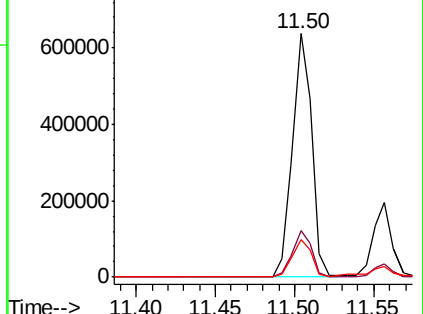
Tgt Ion:178	Resp: 537813
Ion Ratio	Lower Upper
178 100	
176 19.2	15.5 23.3
179 15.2	12.5 18.7

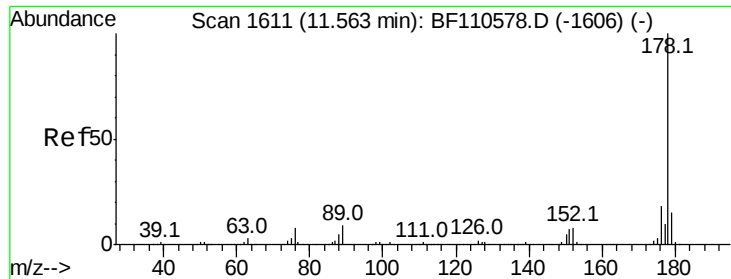


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





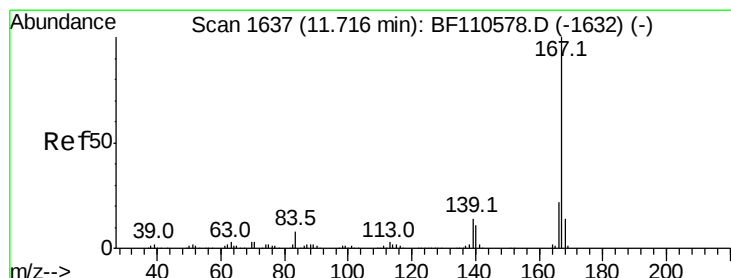
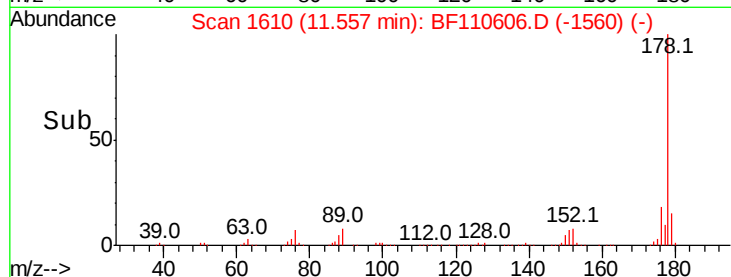
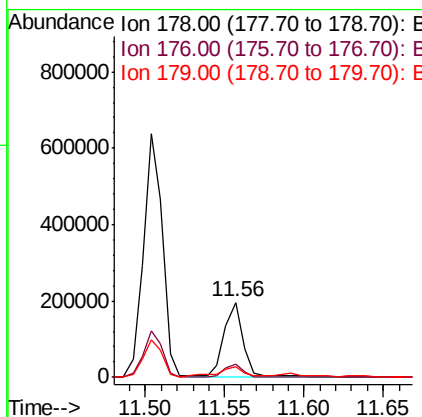
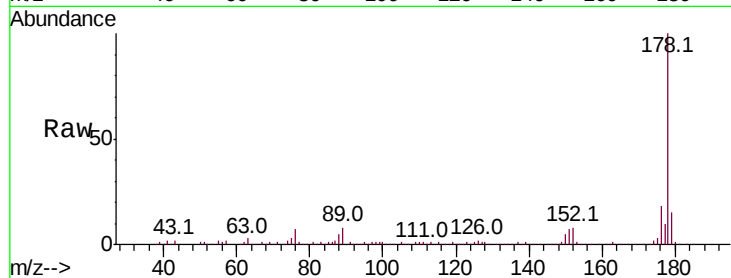
#72
 Anthracene
 Concen: 14.591 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	18.8

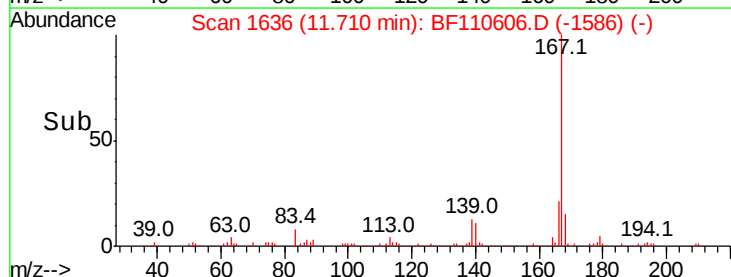
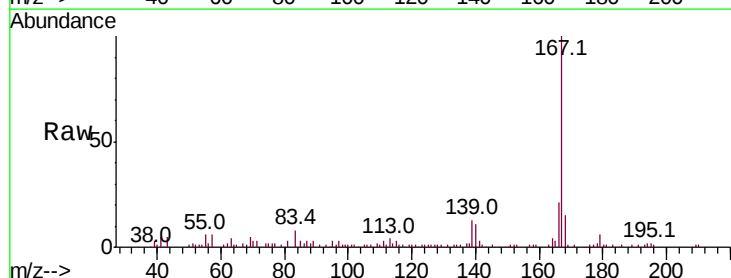
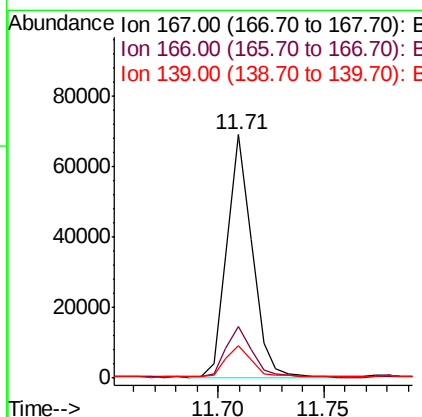
Manual Integrations
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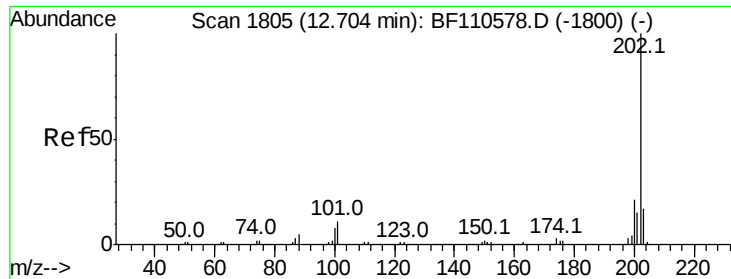
Sohil
 11/9/2018 4:26:17 PM



#73
 Carbazole
 Concen: 5.337 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	13.2	10.9	16.3





#75

Fluoranthene

Concen: 43.952 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

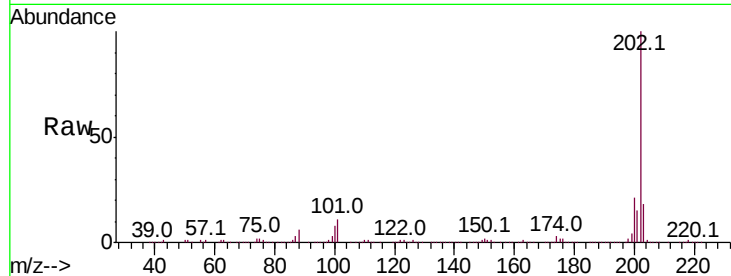
ClientSampleId :

SB-9-S

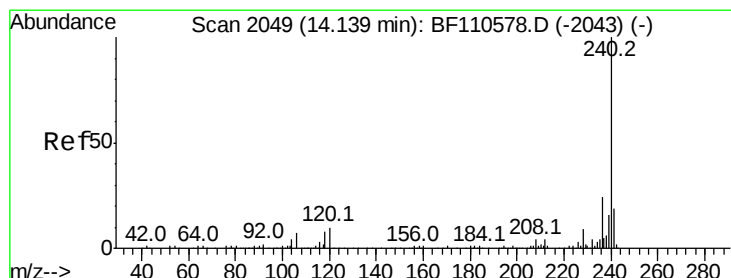
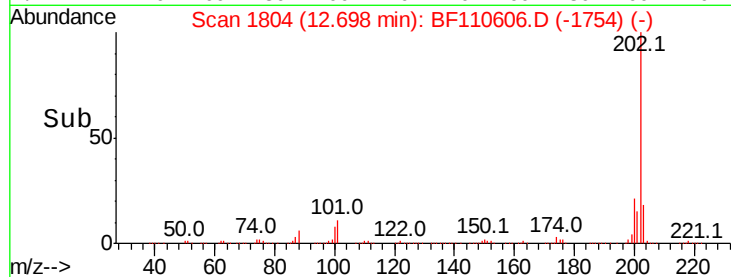
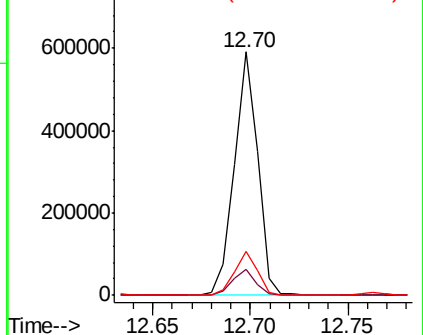
Tot Ion	Ratio	Resp	Lower	Upper
202	100	493468		
101	10.9	0.0	31.4	
203	17.9	0.0	37.7	

Manual Integrations
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11/9/2018 4:26:17 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

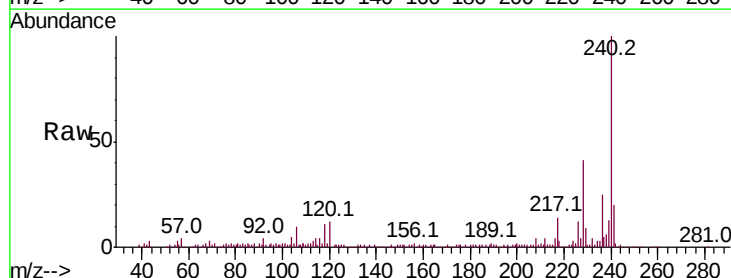
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

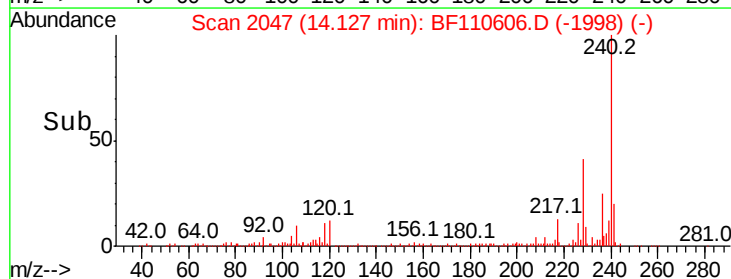
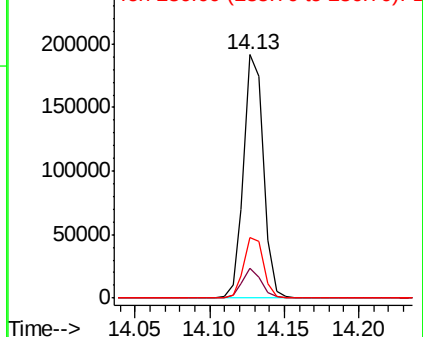
Lab File: BF110606.D

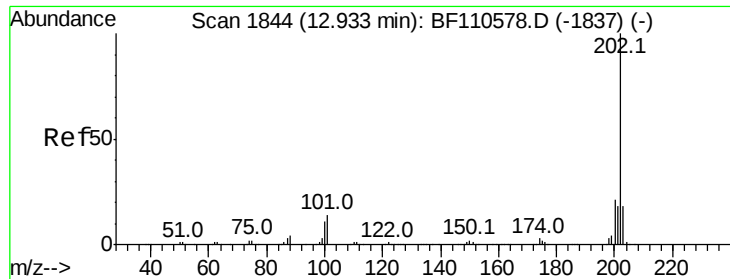
Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	177613		
120	12.2	8.3	12.5	
236	25.1	21.2	31.8	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





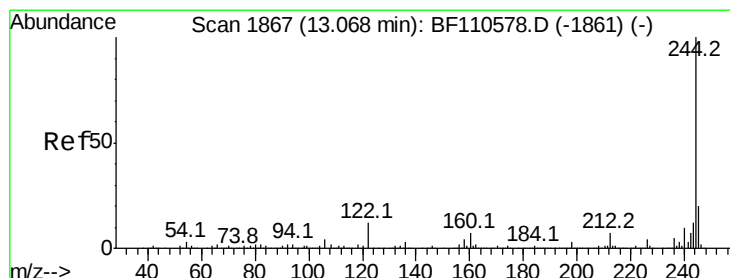
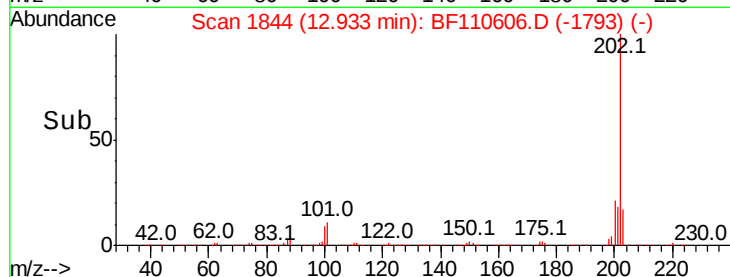
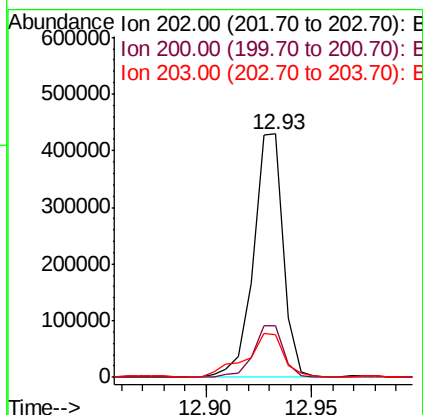
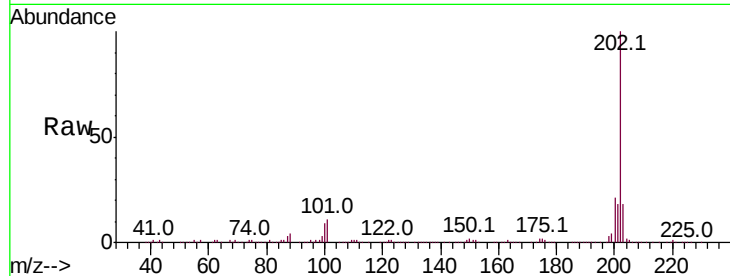
#78
Pvrene
Concen: 31.005 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampled :
SB-9-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.6	14.2	21.4

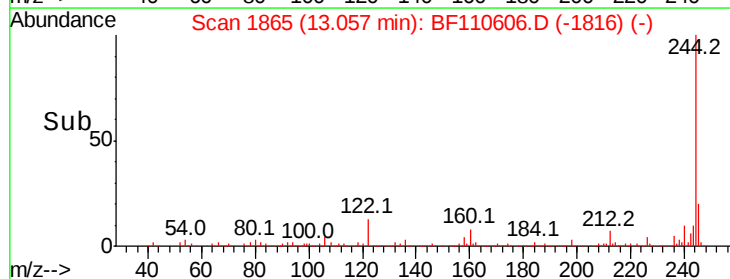
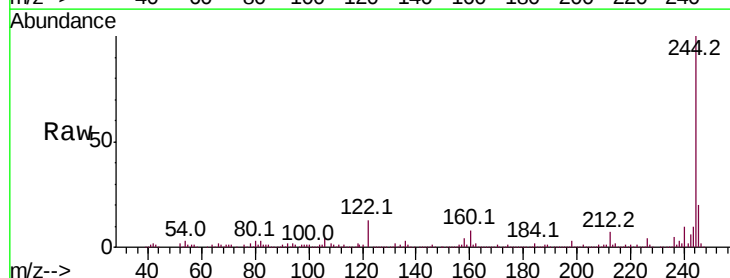
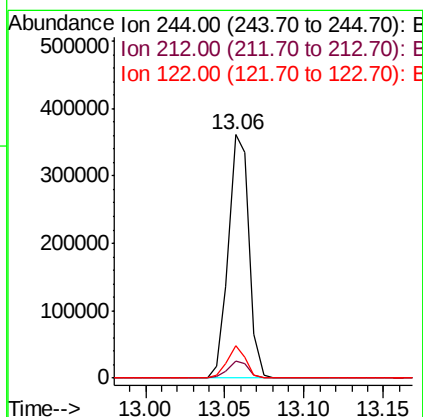
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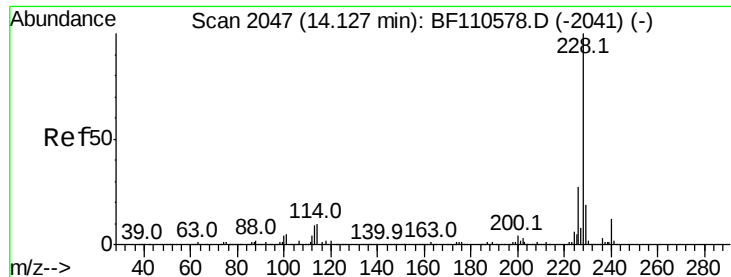
Sohil
11/9/2018 4:26:17 PM



#79
Terphenyl-d14
Concen: 34.419 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.1	8.7	13.1#





#81

Benzo(a)anthracene

Concen: 18.519 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

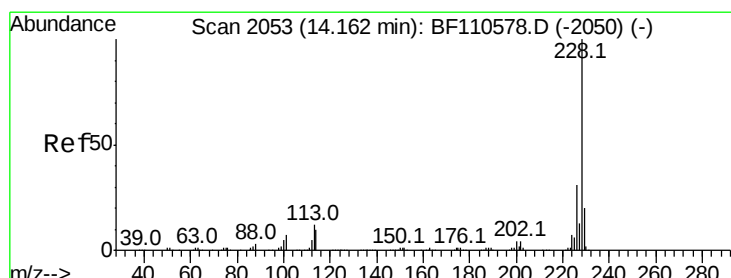
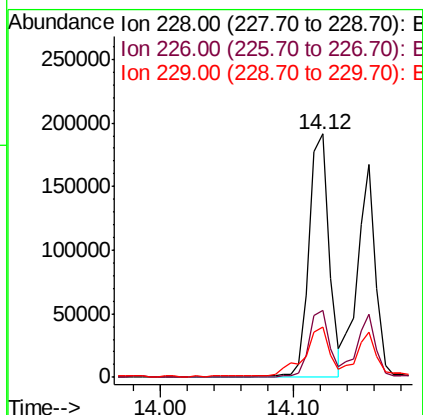
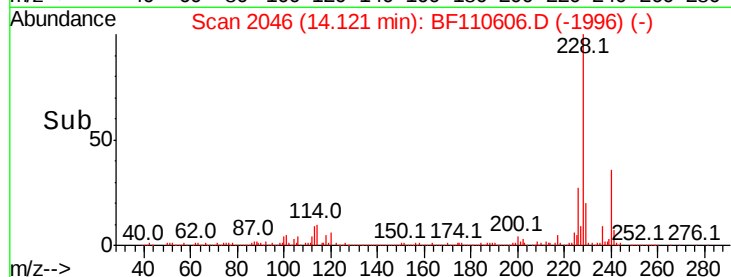
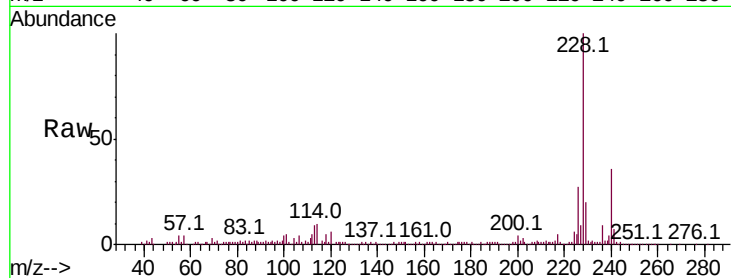
ClientSampled :

SB-9-S

Tot Ion:	228	Resp:	196598
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.1	33.1
229	20.5	15.6	23.4

Manual Integrations
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Sohil
11/9/2018 4:26:17 PM



#83

Chrysene

Concen: 15.749 ng

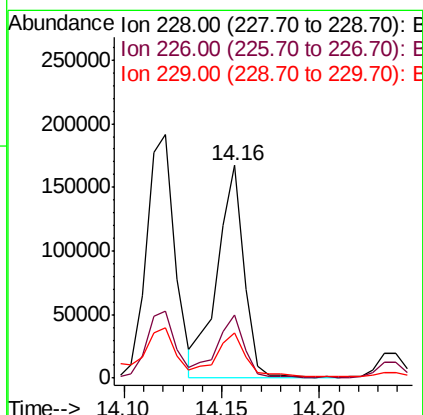
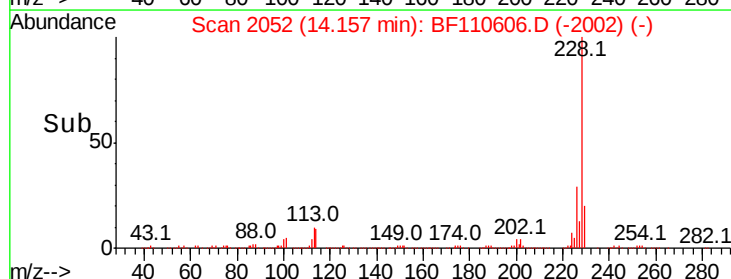
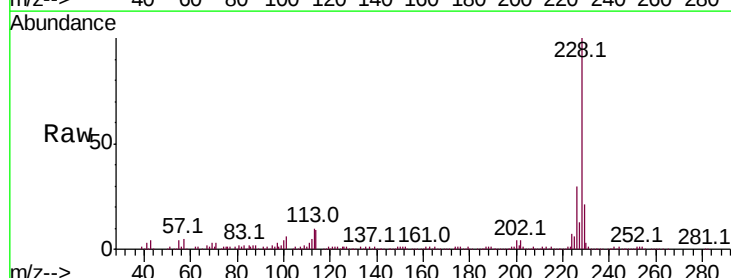
RT: 14.16 min Scan# 2052

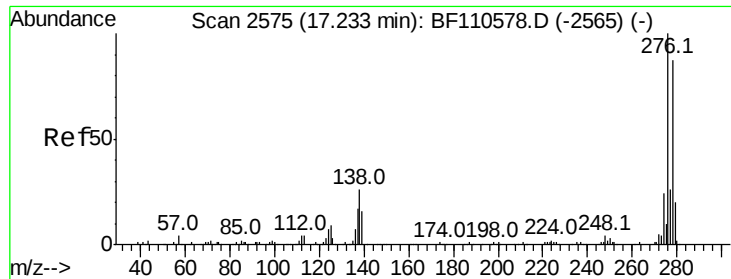
Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion:	228	Resp:	159285
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.7	37.1
229	21.4	15.9	23.9





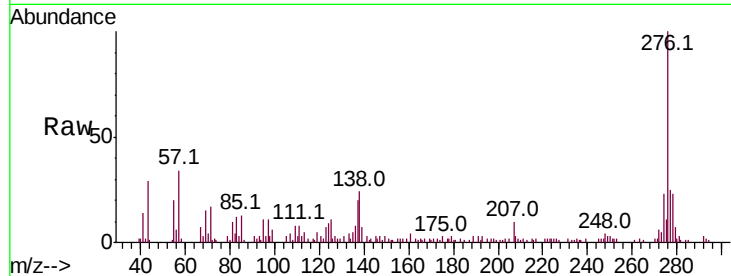
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.915 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampleId :
SB-9-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.5	27.7
277	26.6	20.0	30.0

Manual Integrations
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Sohil
11/9/2018 4:26:17 PM

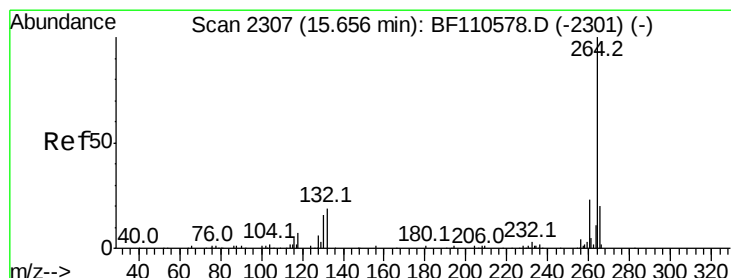
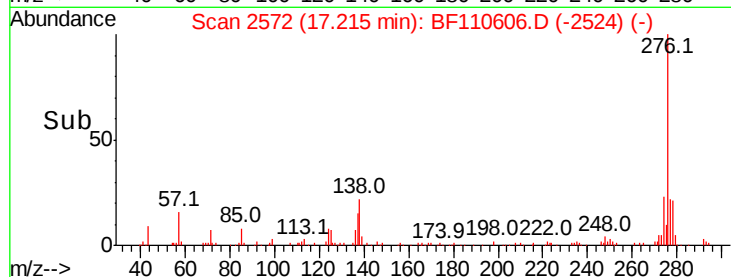
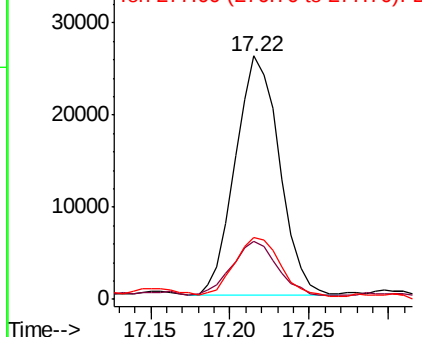


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

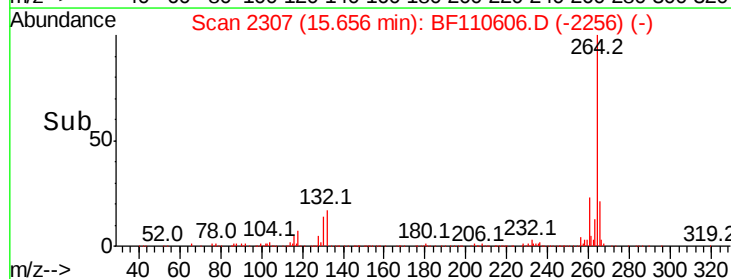
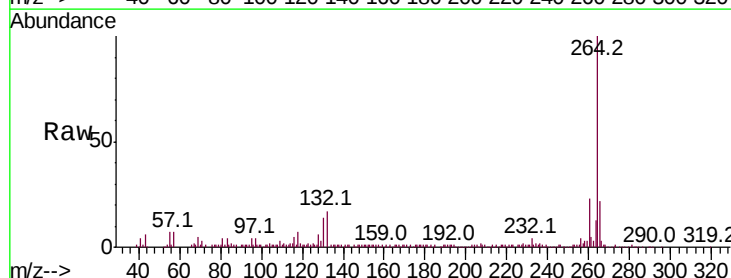
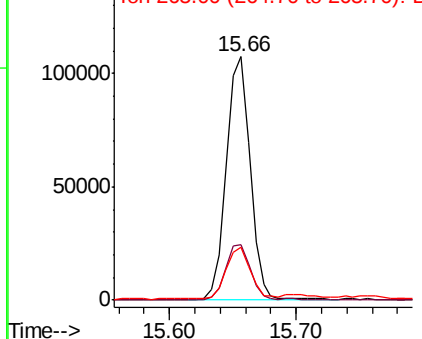
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.7	16.7	25.1

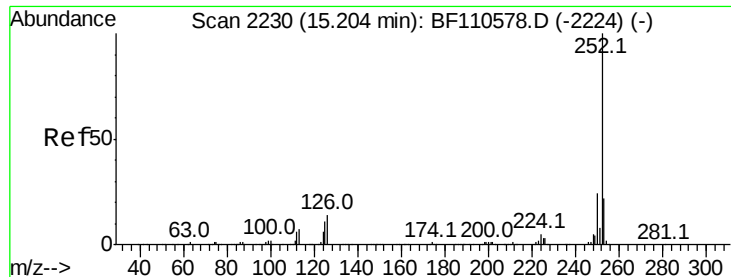
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 19.780 ng m

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110606.D

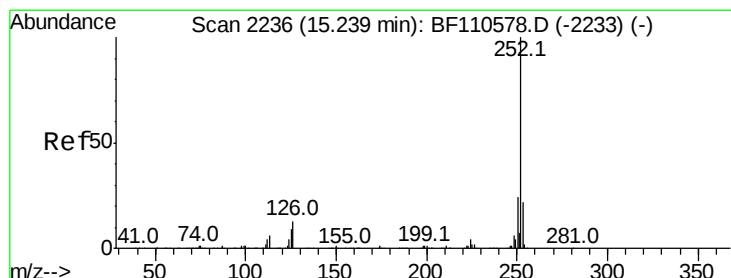
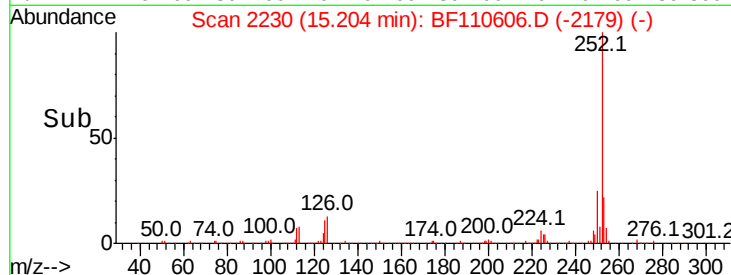
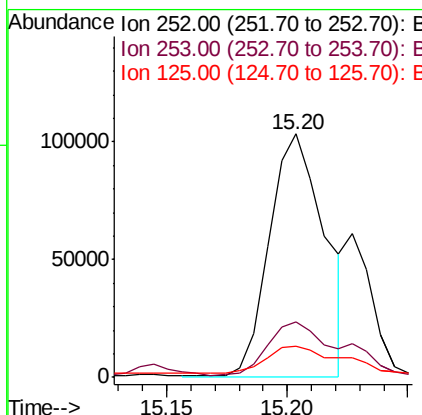
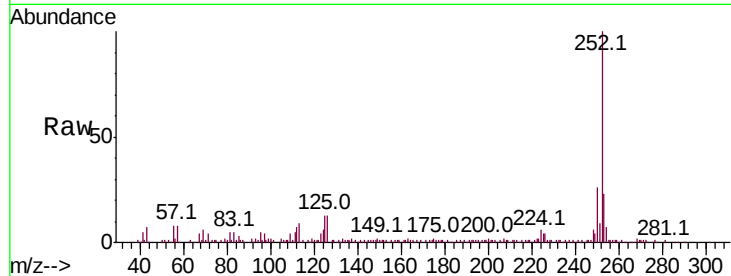
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampled :
SB-9-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	12.8	8.2	12.4

Manual Integrations
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Sohil
11/9/2018 4:26:17 PM



#89

Benzo(k)fluoranthene

Concen: 5.645 ng m

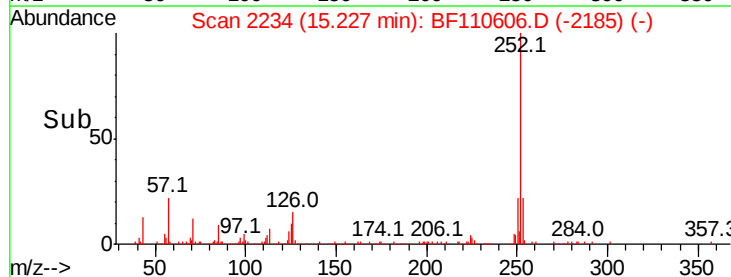
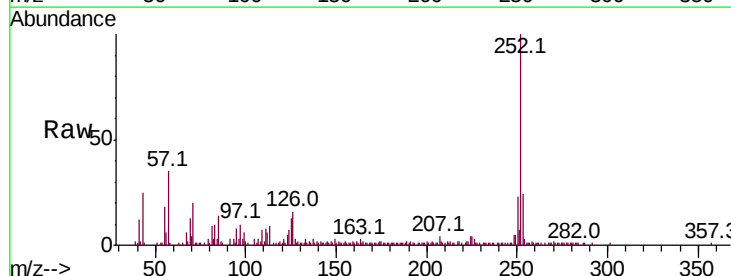
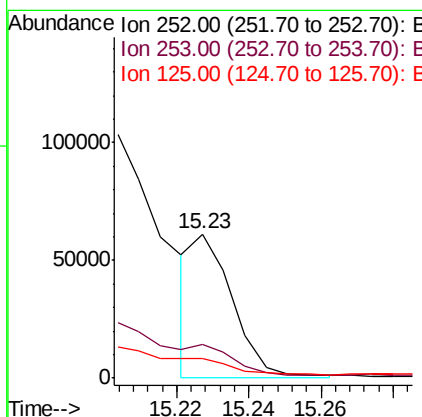
RT: 15.23 min Scan# 2234

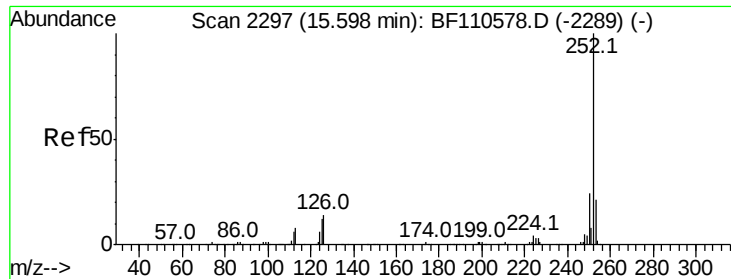
Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.5	7.4	11.0





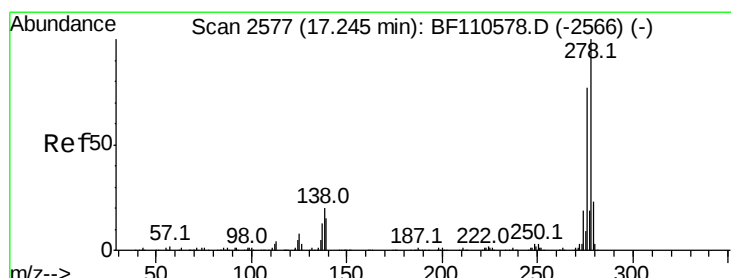
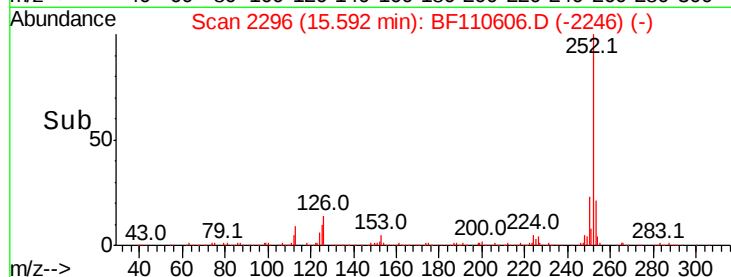
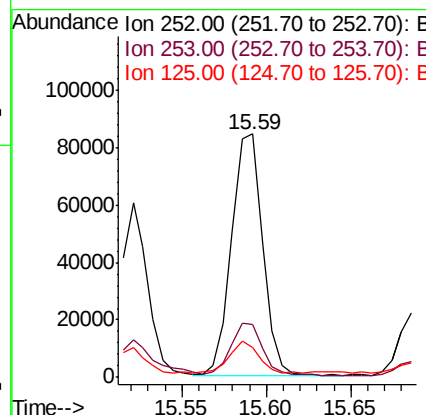
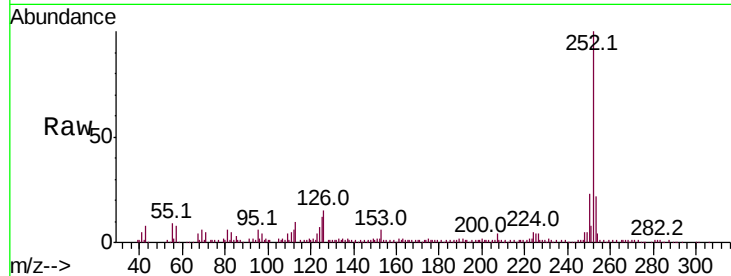
#90
Benzo(a)pyrene
Concen: 14.203 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampleId :
SB-9-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	12.3	9.0	13.6

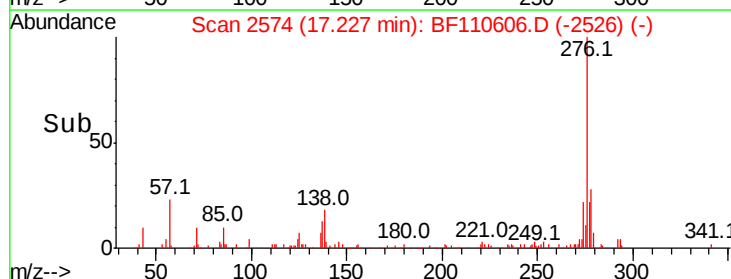
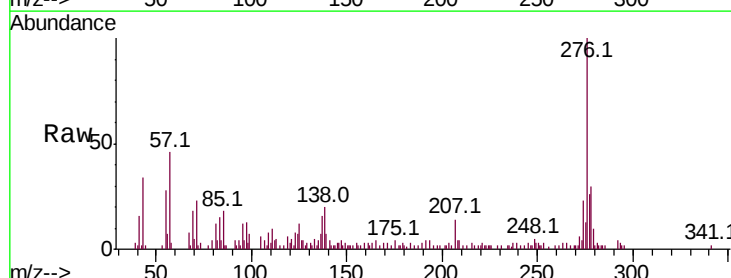
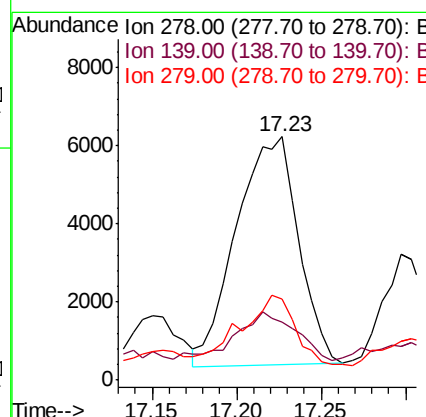
Manual Integrations
APPROVED

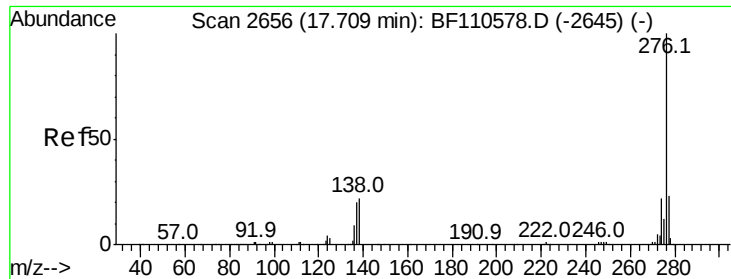
Sohil
11/9/2018 4:26:17 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.306 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.02 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	12.7	19.1#
279	33.5	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 7.346 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	22.1	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 11/9/2018 4:26:17 PM

