

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110823.D
 Acq On : 16 Nov 2018 18:13
 Operator : JU/SJ
 Sample : J5952-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Manual Integrations
 APPROVED

Sohil
 11/19/2018 11:55:58 AM

Quant Time: Nov 16 23:46:05 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	6.94	152	61603	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	257987	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	116669	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	184799	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	146450	20.00	ng	-0.01
87) Perylene-d12	15.66	264	112745	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	98438	25.96	ng	0.00
7) Phenol-d6	6.56	99	123797	25.53	ng	-0.01
23) Nitrobenzene-d5	7.50	82	75093	16.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	24105	20.50	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	141693	17.35	ng	-0.01
79) Terphenyl-d14	13.06	244	101338	12.96	ng	-0.01
Target Compounds						
31) Naphthalene	8.25	128	45860	3.787	ng	99
49) Acenaphthylene	9.85	152	60190	5.330	ng	99
50) Dimethylphthalate	9.69	163	19545	2.245	ng	99
55) Dibenzofuran	10.19	168	25423	2.435	ng	95
58) Fluorene	10.53	166	45363	5.657	ng	95
71) Phenanthrene	11.50	178	324318	32.757	ng	100
72) Anthracene	11.55	178	119271	11.942	ng	98
75) Fluoranthene	12.70	202	401701	40.470	ng	98
78) Pyrene	12.93	202	396584	35.170	ng	97
81) Benzo(a)anthracene	14.12	228	232127	26.518	ng	96
83) Chrysene	14.16	228	216460	25.956	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	70549	11.789	ng	99
88) Benzo(b)fluoranthene	15.20	252	239925m	35.572	ng	
89) Benzo(k)fluoranthene	15.23	252	74843m	11.230	ng	
90) Benzo(a)pyrene	15.59	252	160205	26.143	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	21273m	4.102	ng	
92) Benzo(g,h,i)perylene	17.71	276	71939	13.981	ng	98

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

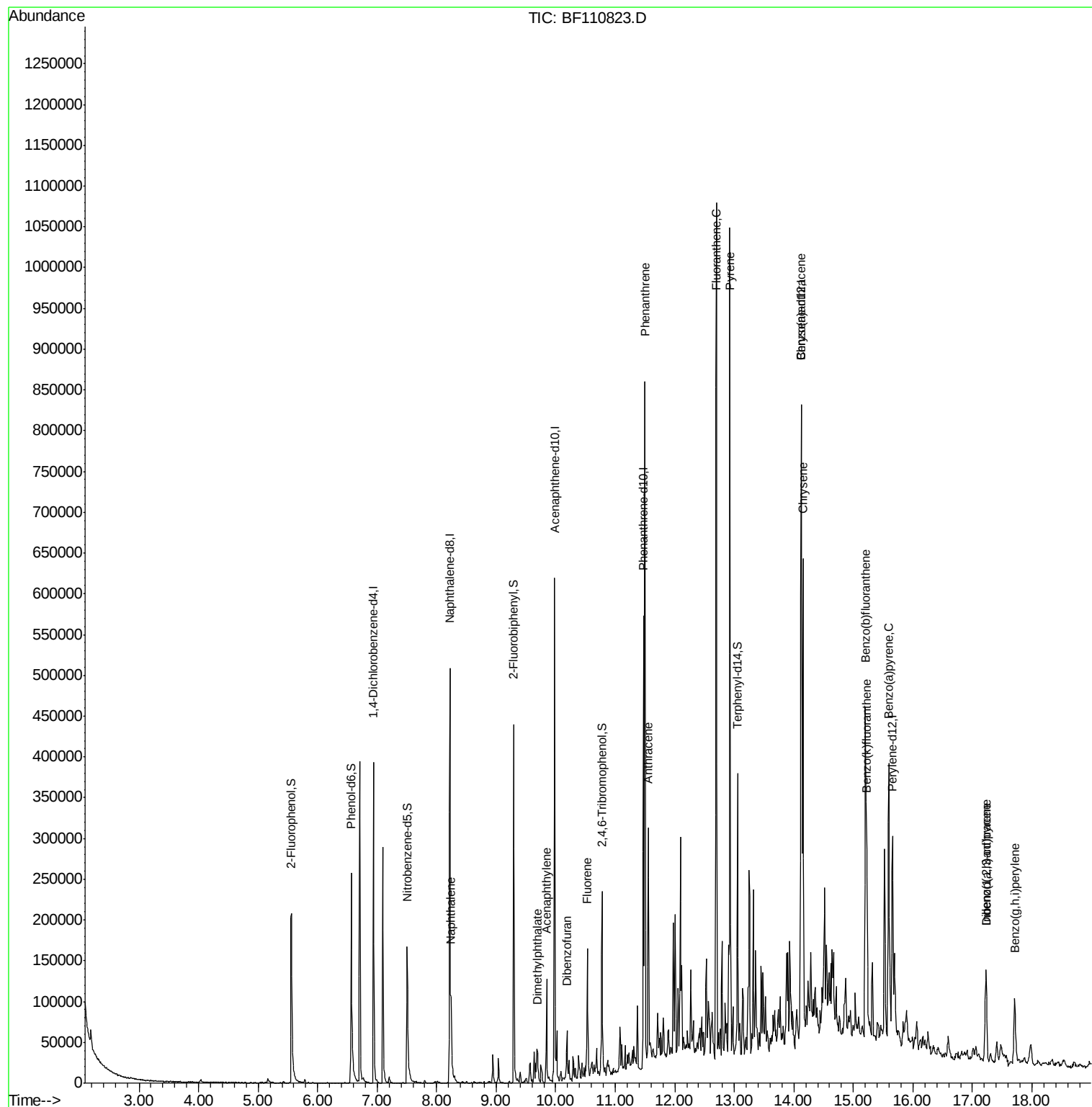
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110823.D
Acq On : 16 Nov 2018 18:13
Operator : JU/SJ
Sample : J5952-06 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM

Quant Time: Nov 16 23:46:05 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





#1

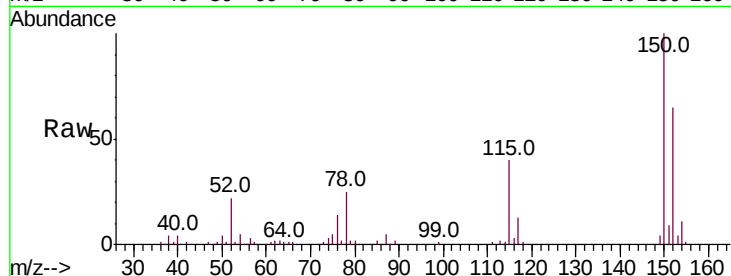
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.7	184.1
115	61.4	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM

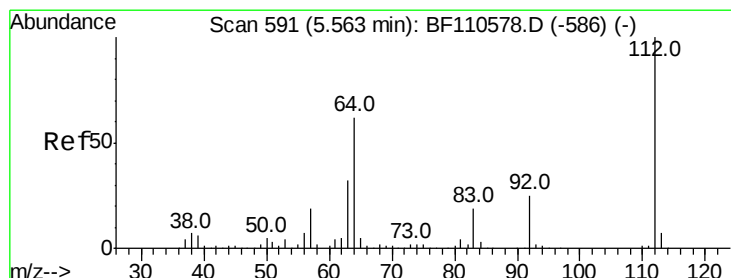
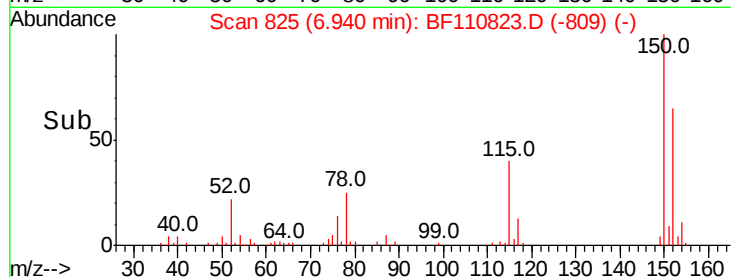
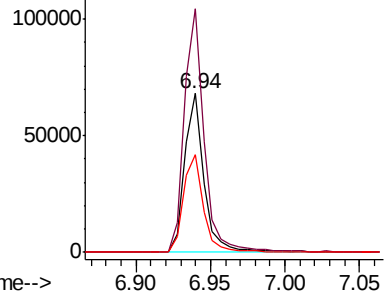


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

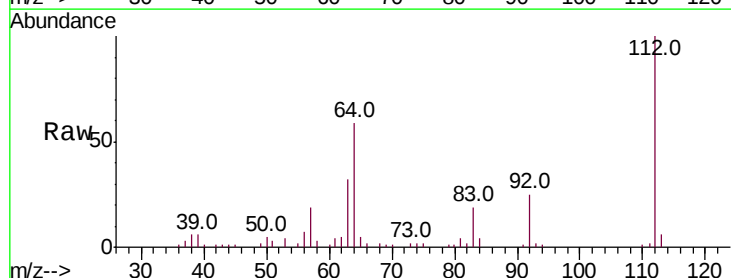
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.956 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	44.1	66.1
63	32.1	23.7	35.5

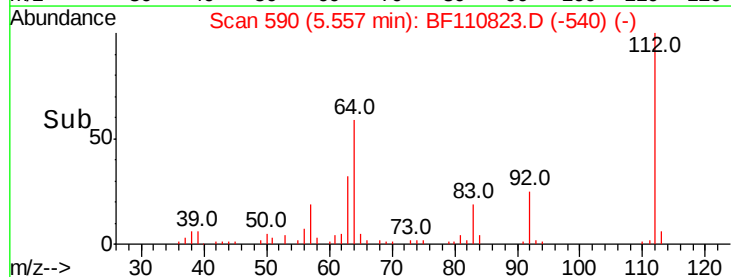
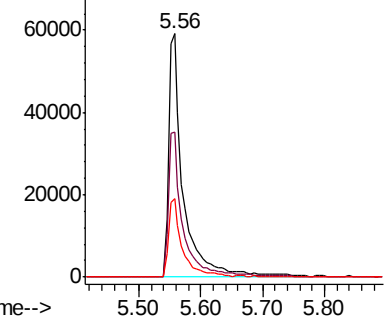


Abundance

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: 25.526 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110823.D

Acq: 16 Nov 2018 18:13

Instrument :

BNA_F

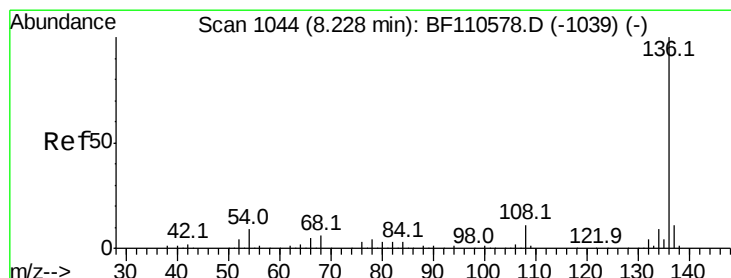
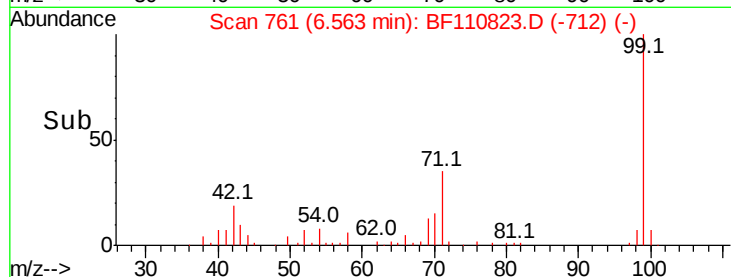
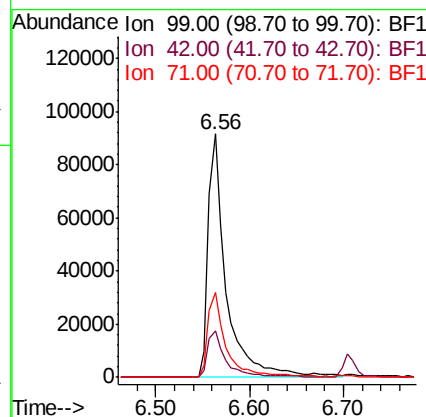
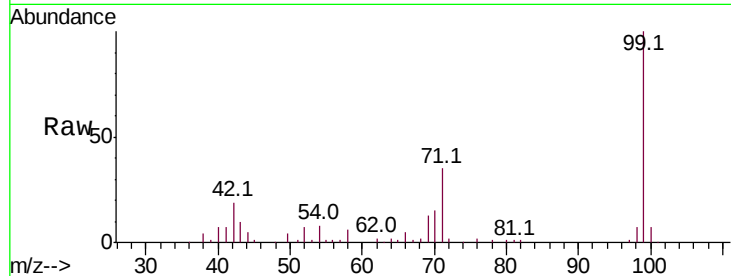
ClientSampleId :

DUP-01

Tot Ion:	99	Resp:	123797
Ion Ratio	Lower	Upper	
99	100		
42	19.2	15.8	23.6
71	35.0	28.0	42.0

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM



#21

Naphthalene-d8

Concen: 20.000 ng

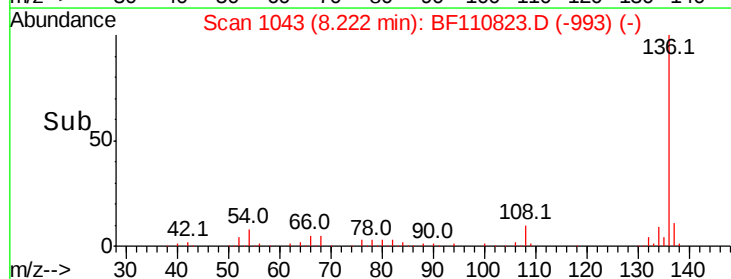
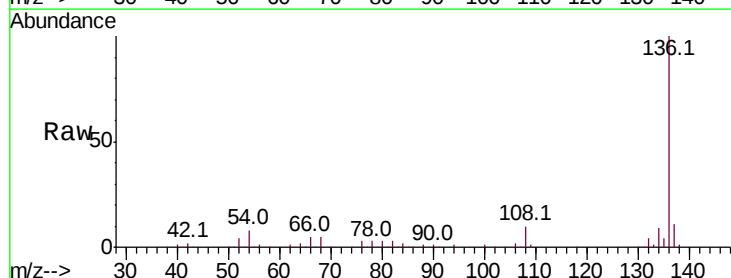
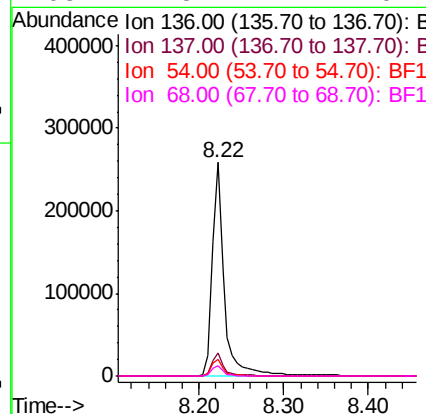
RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110823.D

Acq: 16 Nov 2018 18:13

Tgt Ion:	136	Resp:	257987
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	7.6	5.4	8.2
68	4.8	4.2	6.2





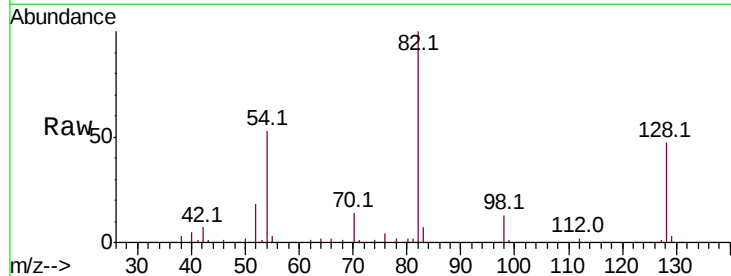
#23
Nitrobenzene-d5
Concen: 16.763 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.2	51.2
54	53.5	38.6	58.0

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM

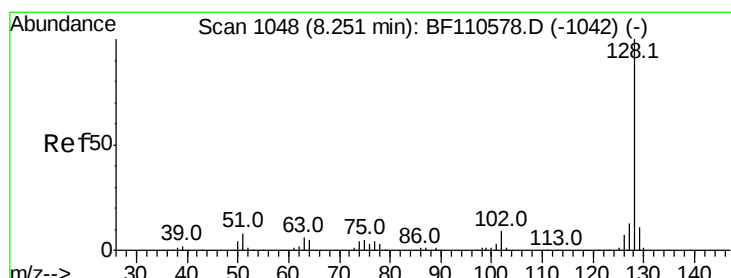
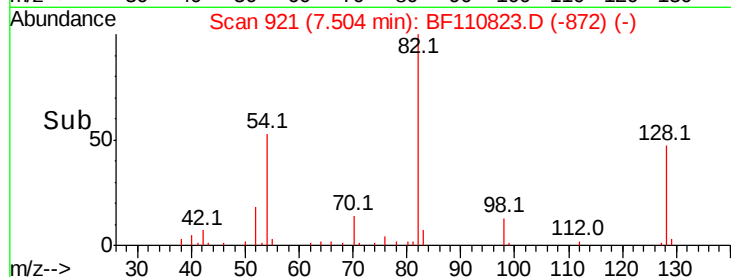
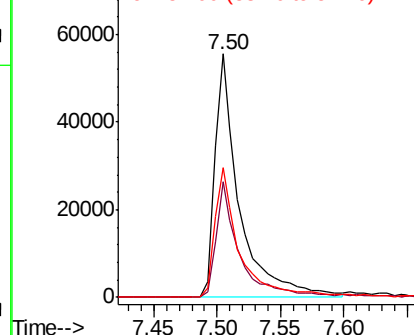


Abundance

Ion 82.00 (81.70 to 82.70): BF1

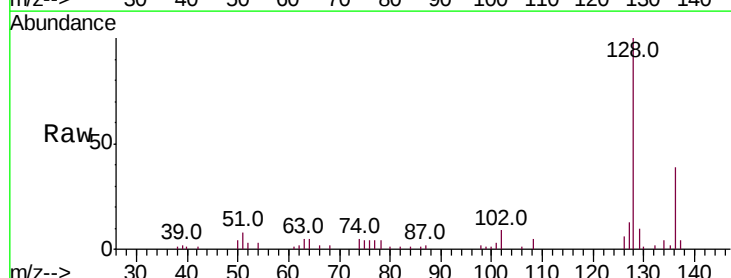
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 3.787 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.2	10.8	16.2

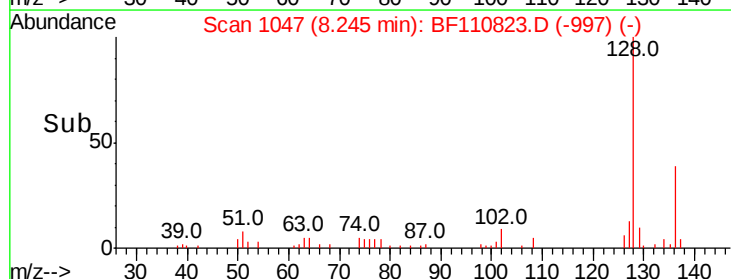
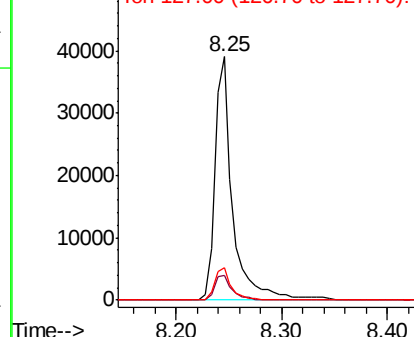


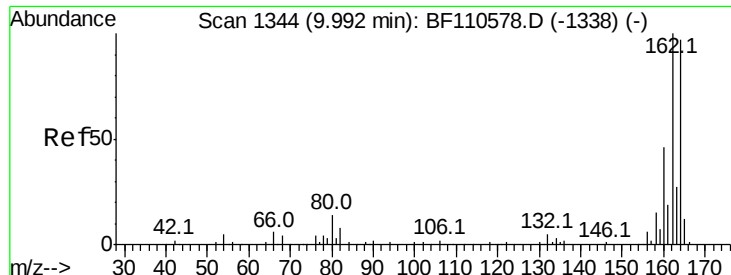
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





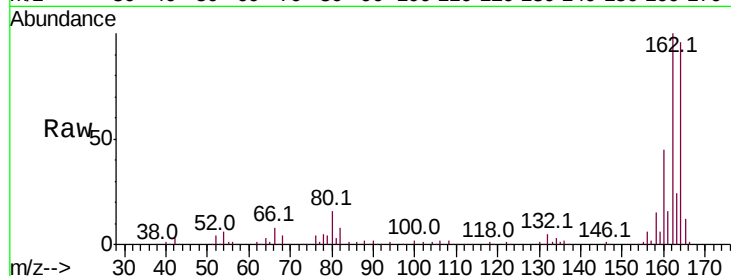
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	83.0	124.6	
160	46.7	37.0	55.6	

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM

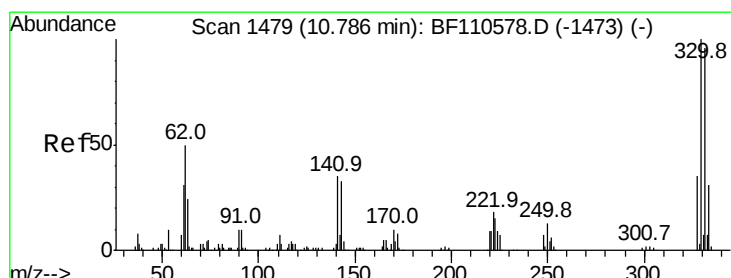
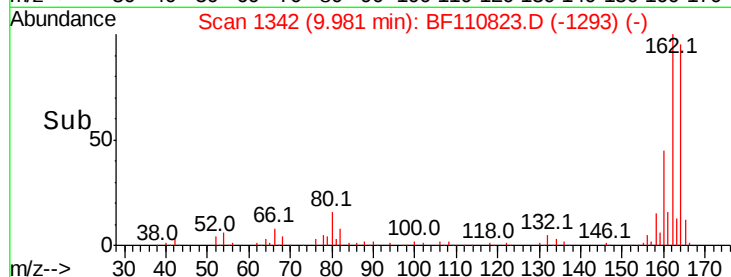
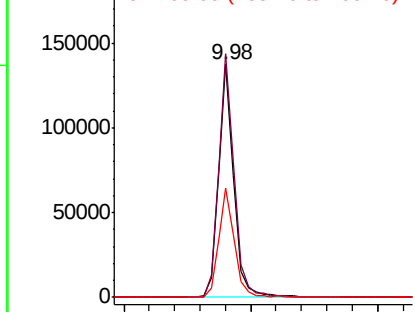


Abundance

Ion 164.00 (163.70 to 164.70): E

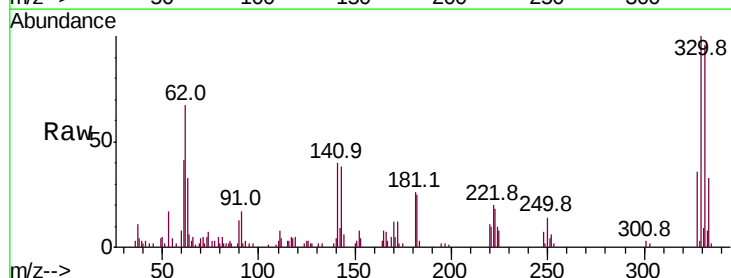
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 20.505 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.1	115.7	
141	44.2	27.0	40.4	

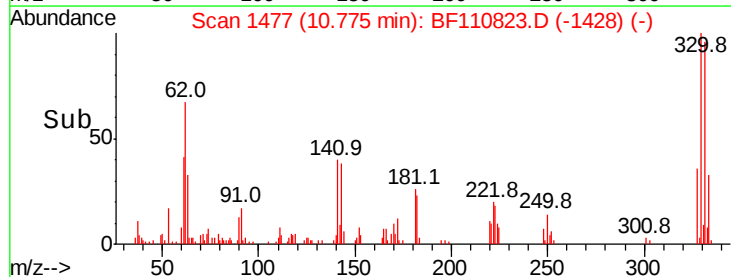
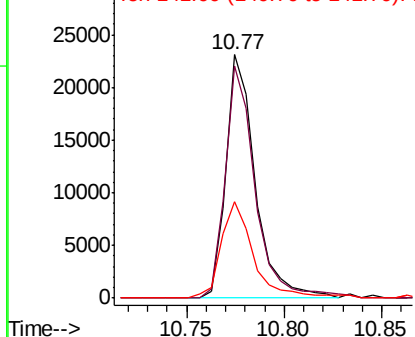


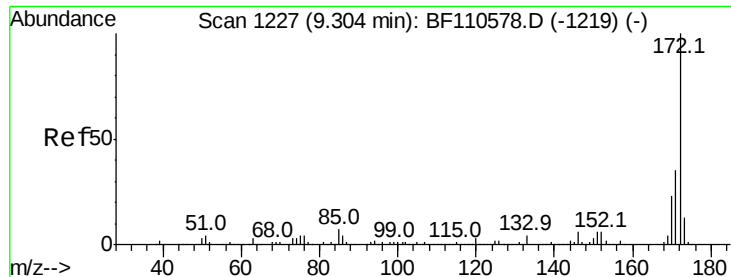
Abundance

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





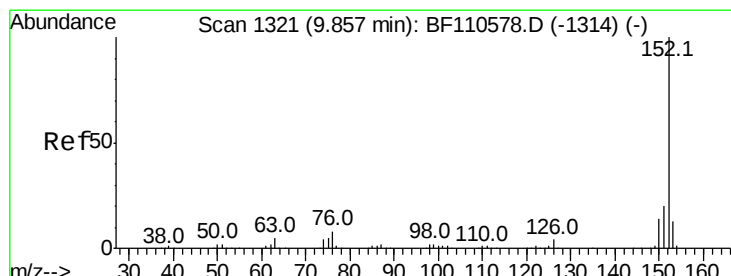
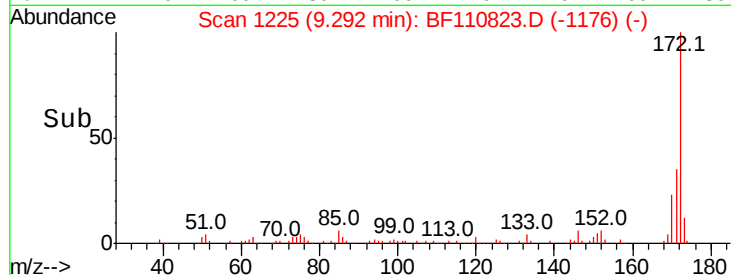
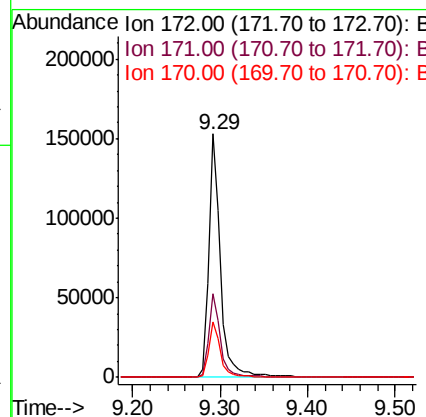
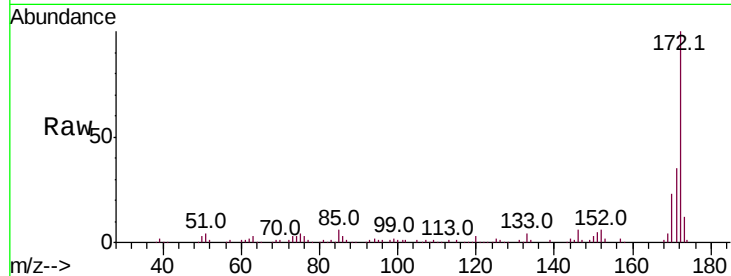
#45
2-Fluorobiphenyl
Concen: 17.345 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100	141693		
171	34.6	28.6	43.0	
170	22.6	19.7	29.5	

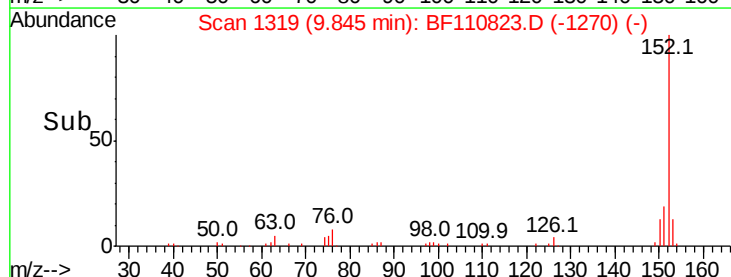
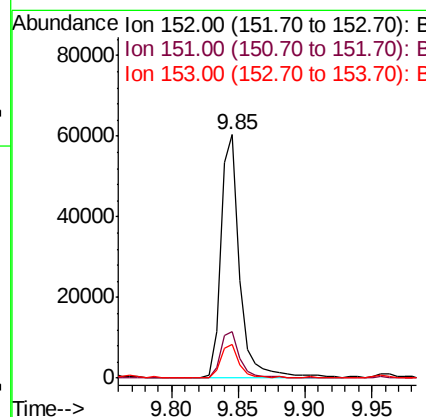
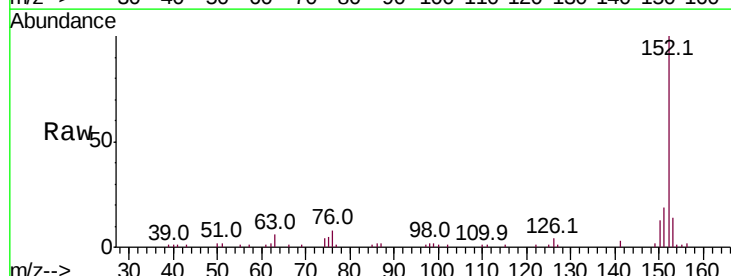
Manual Integrations
APPROVED

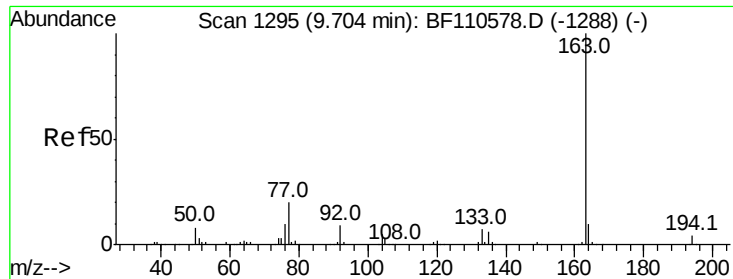
Sohil
11/19/2018 11:55:58 AM



#49
Acenaphthylene
Concen: 5.330 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	60190		
151	19.2	15.8	23.8	
153	13.7	10.4	15.6	





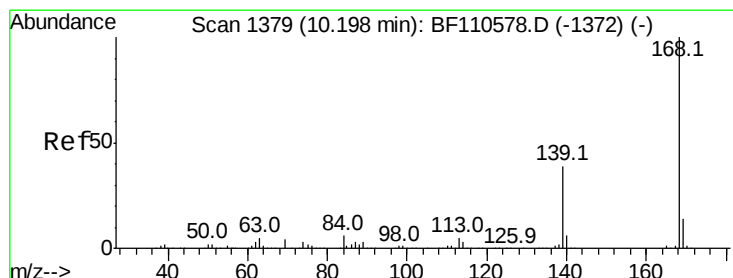
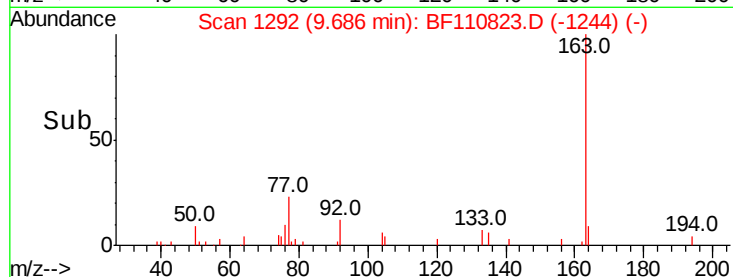
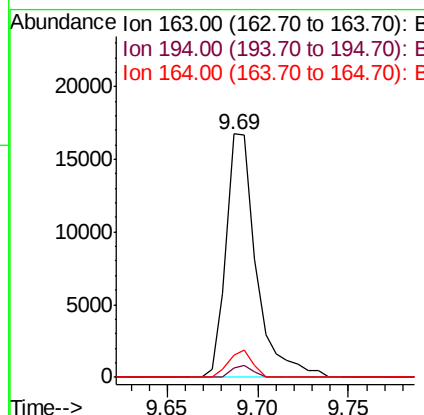
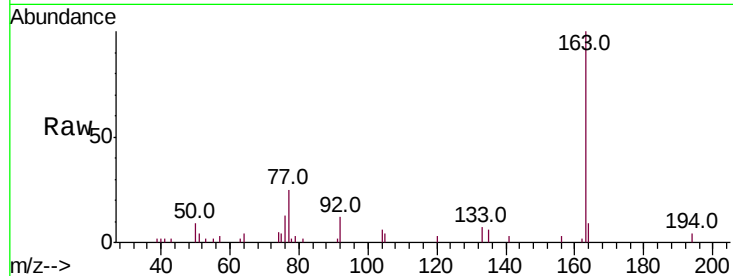
#50
Dimethylphthalate
Concen: 2.245 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion:	163	Resp:	19545
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	9.4	8.1	12.1

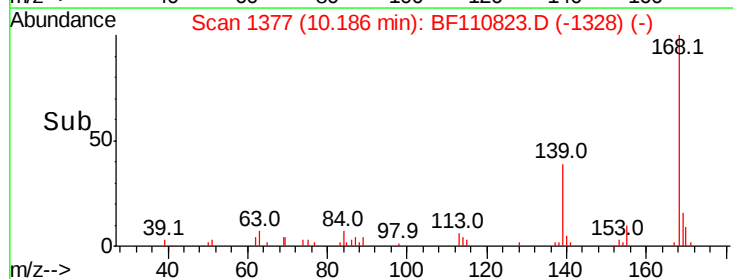
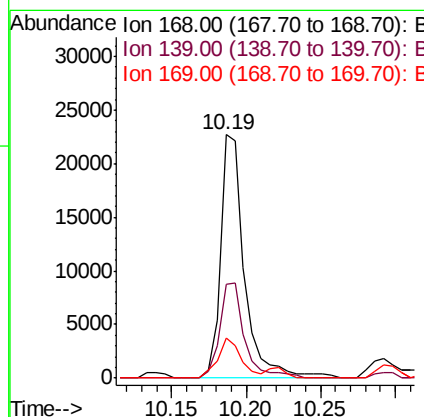
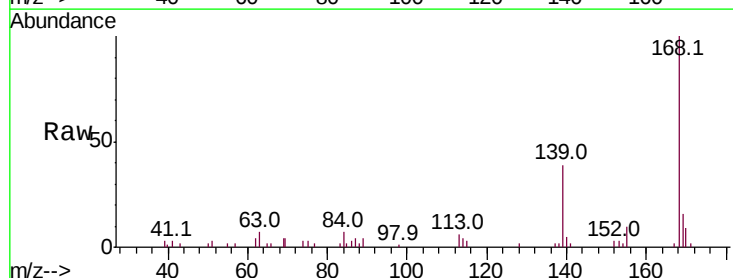
Manual Integrations
APPROVED

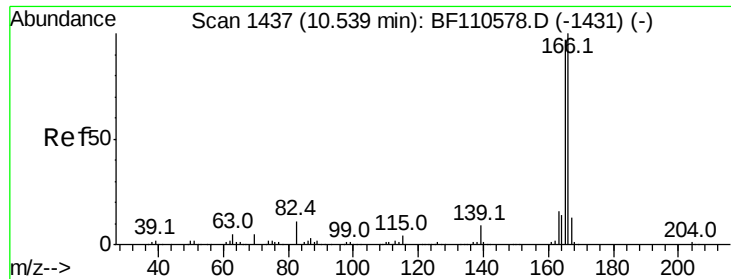
Sohil
11/19/2018 11:55:58 AM



#55
Dibenzofuran
Concen: 2.435 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion:	168	Resp:	25423
Ion Ratio	Lower	Upper	
168	100		
139	38.7	33.0	49.6
169	16.4	11.3	16.9





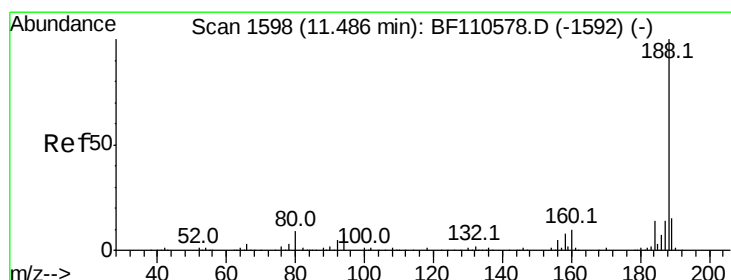
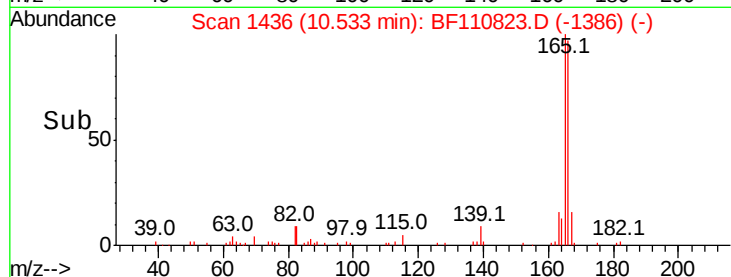
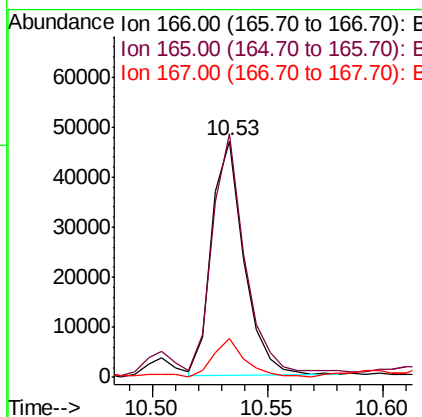
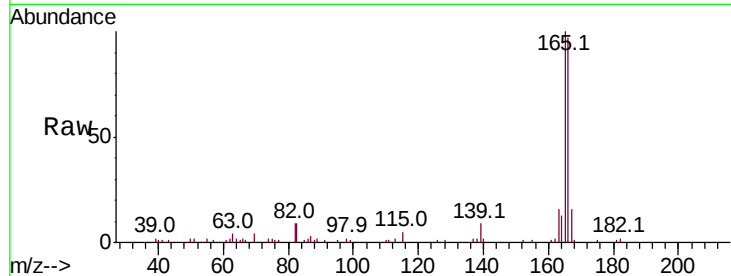
#58
 Fluorene
 Concen: 5.657 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110823.D
 Acq: 16 Nov 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.9	78.6	117.8
167	16.2	10.8	16.2

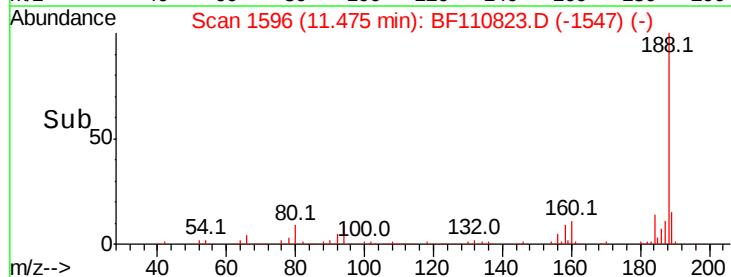
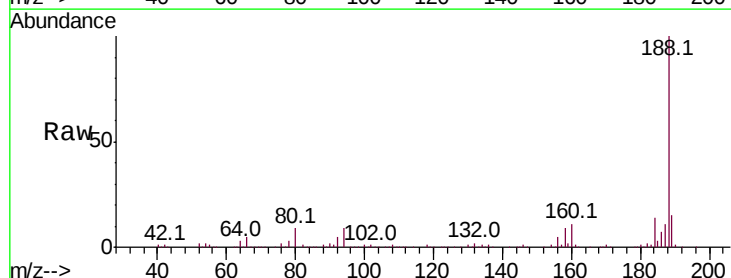
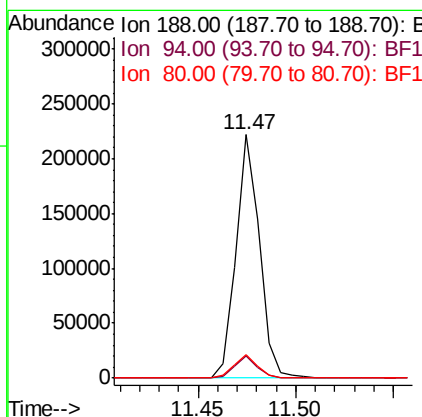
Manual Integrations
 APPROVED

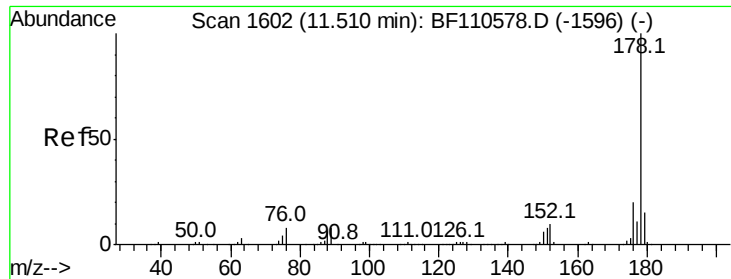
Sohil
 11/19/2018 11:55:58 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110823.D
 Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.4	7.9	11.9





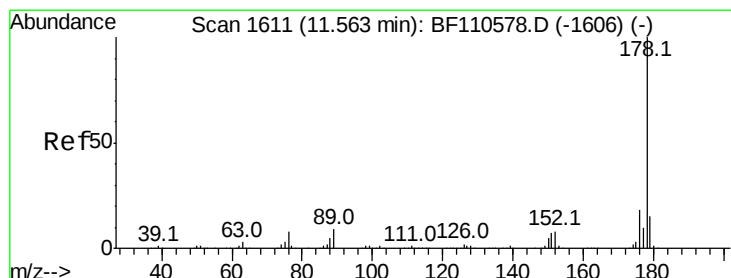
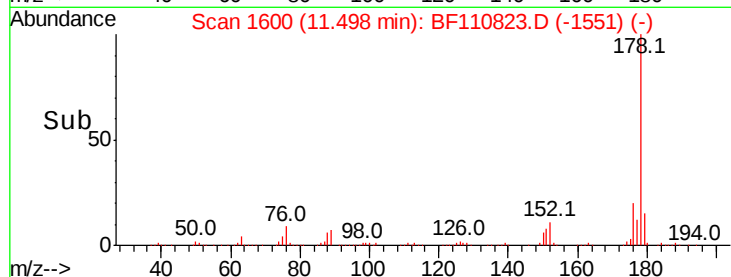
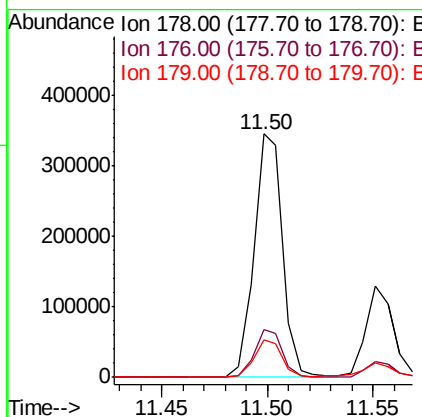
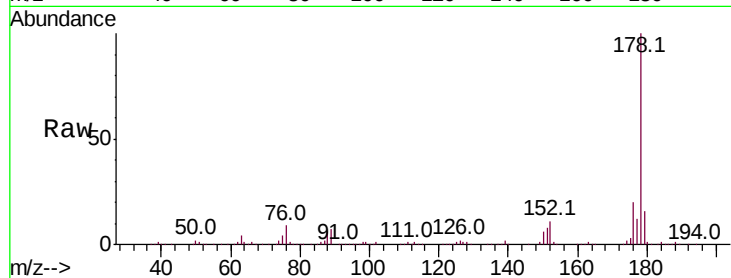
#71
Phenanthrene
Concen: 32.757 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.5	12.5	18.7

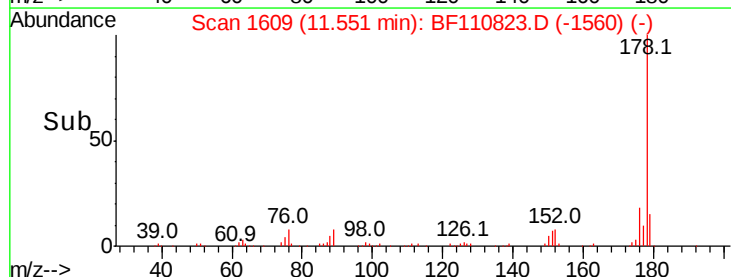
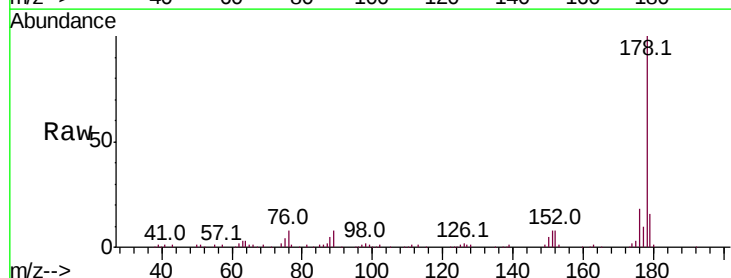
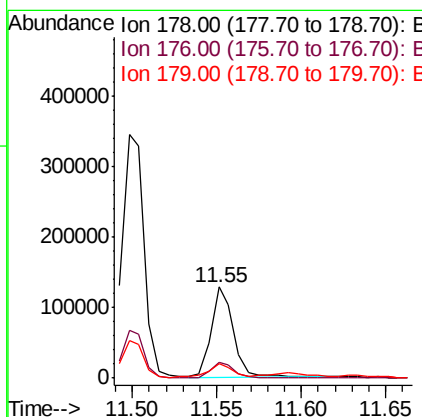
Manual Integrations
APPROVED

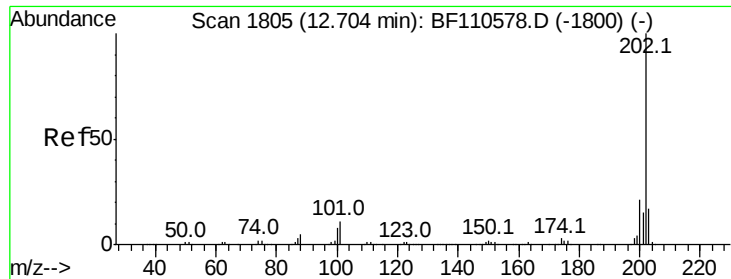
Sohil
11/19/2018 11:55:58 AM



#72
Anthracene
Concen: 11.942 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.7	12.6	18.8





#75

Fluoranthene

Concen: 40.470 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110823.D

Acq: 16 Nov 2018 18:13

Instrument :

BNA_F

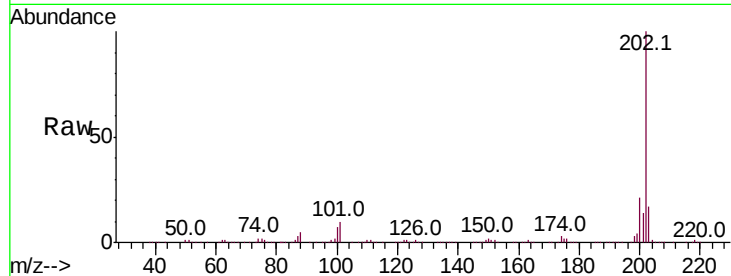
ClientSampleId :

DUP-01

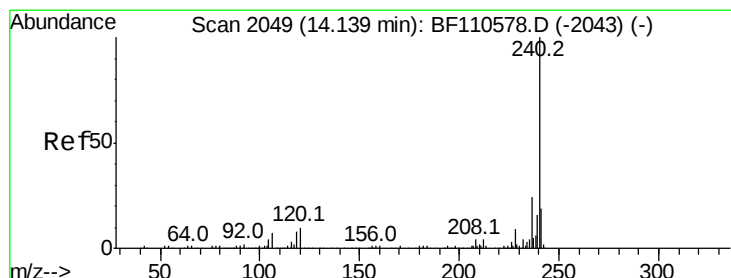
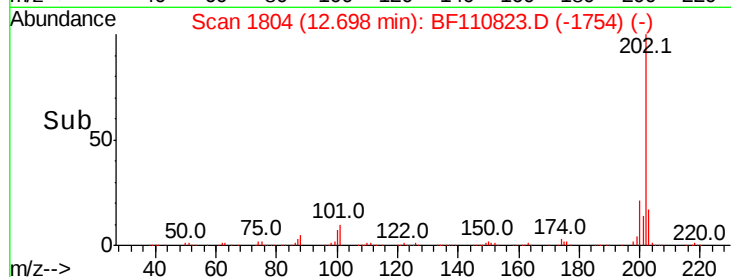
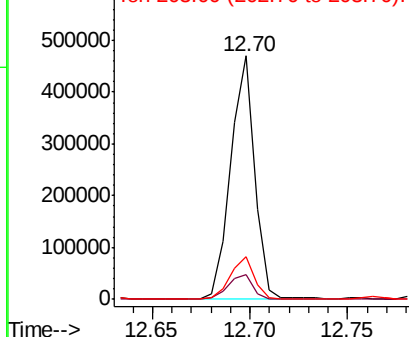
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	31.4
203	17.4	0.0	37.7

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:58 AM



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

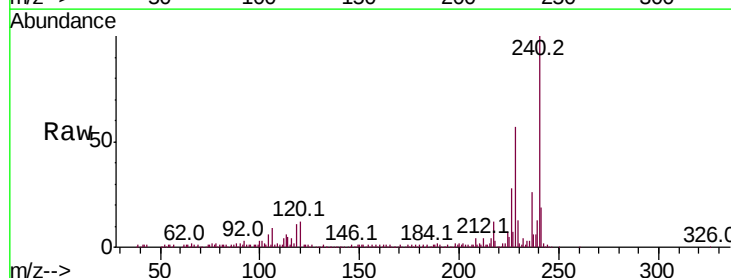
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

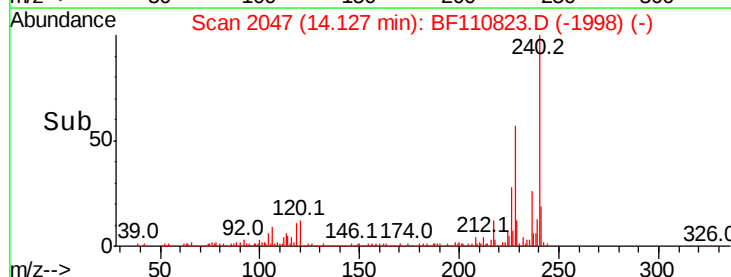
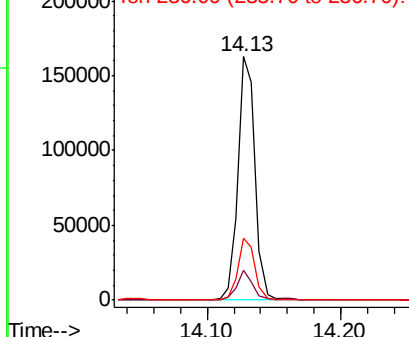
Lab File: BF110823.D

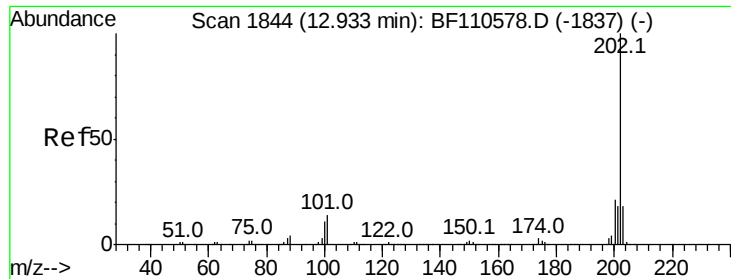
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.3	8.3	12.5
236	25.6	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





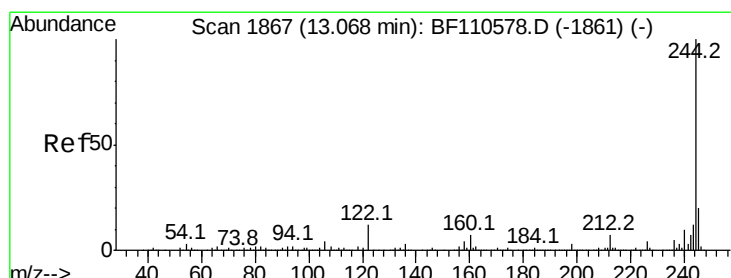
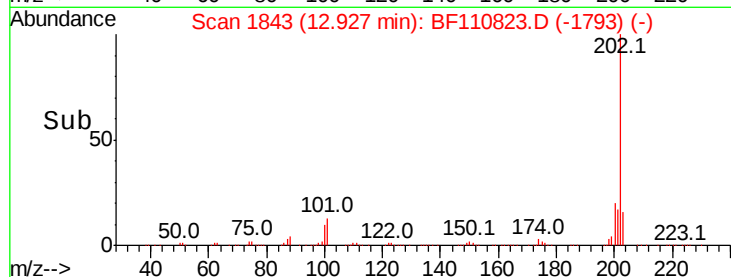
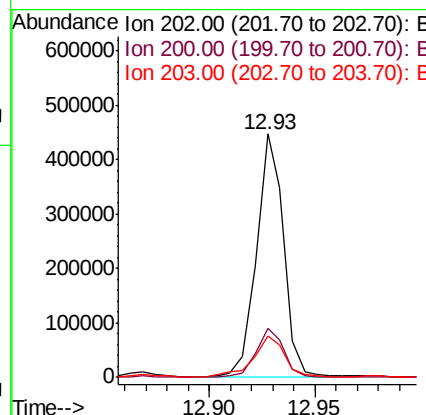
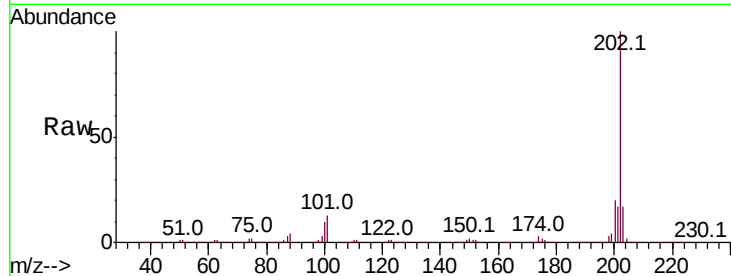
#78
Pvrene
Concen: 35.170 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.0	14.2	21.4

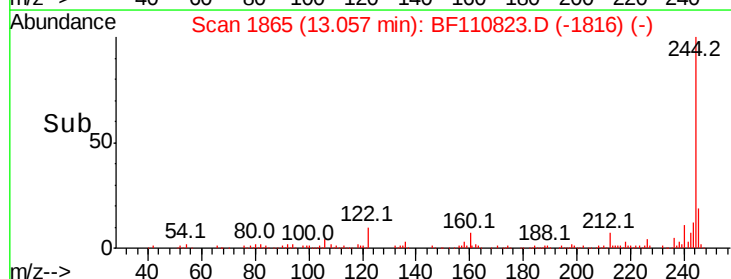
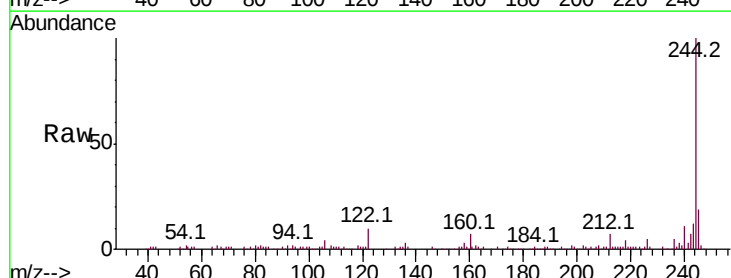
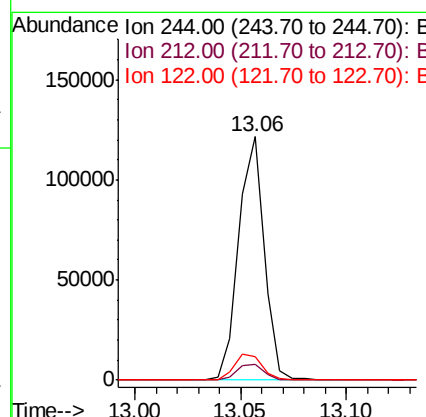
Manual Integrations
APPROVED

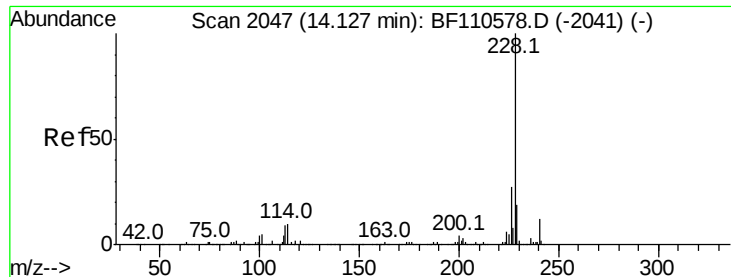
Sohil
11/19/2018 11:55:58 AM



#79
Terphenyl-d14
Concen: 12.959 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.8	8.7	13.1





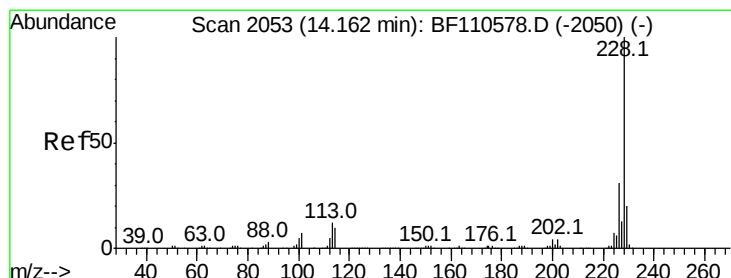
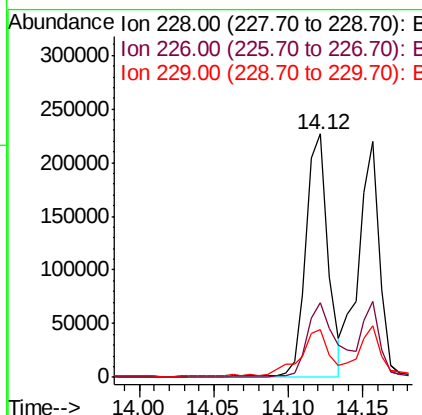
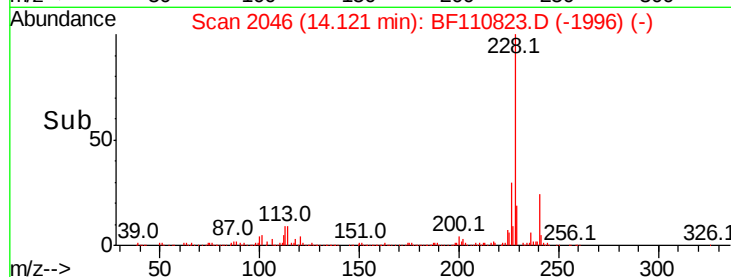
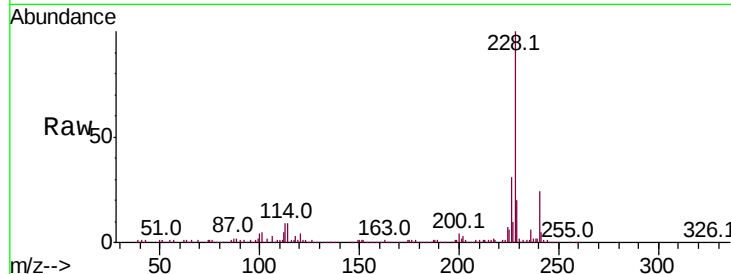
#81
Benzo(a)anthracene
Concen: 26.518 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.1	33.1
229	19.7	15.6	23.4

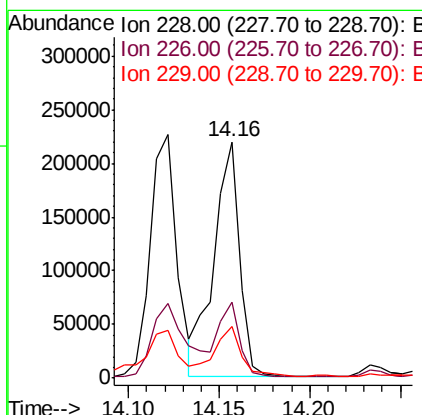
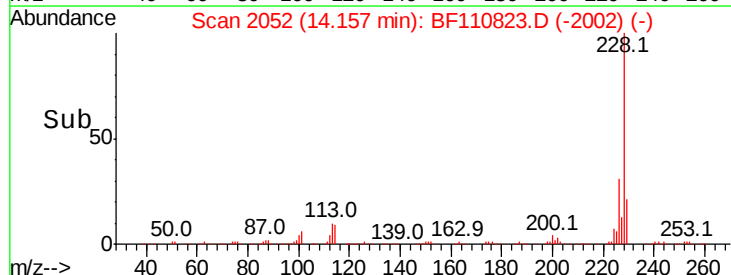
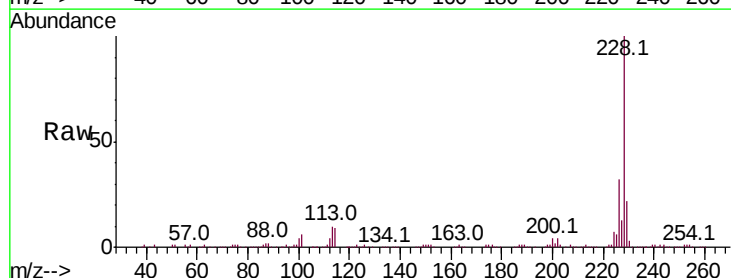
Manual Integrations
APPROVED

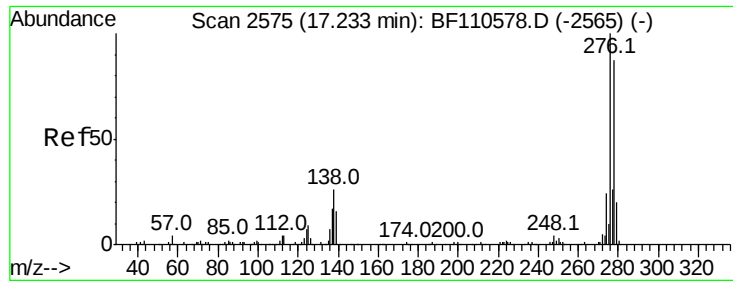
Sohil
11/19/2018 11:55:58 AM



#83
Chrysene
Concen: 25.956 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.7	37.1
229	21.7	15.9	23.9





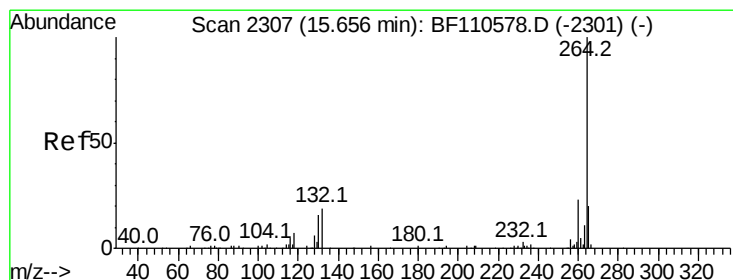
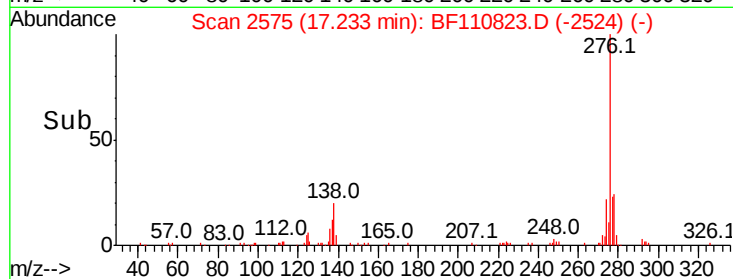
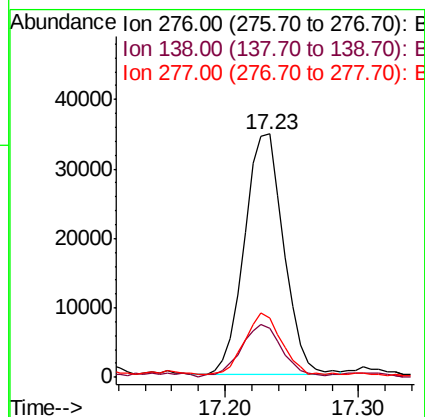
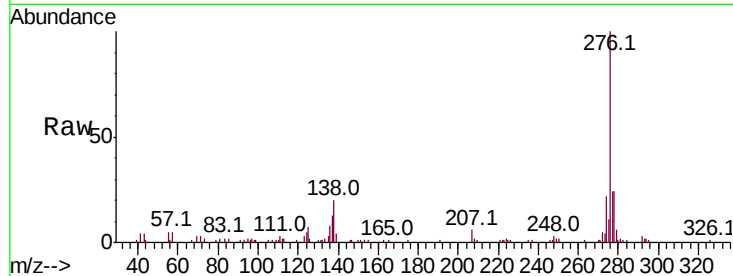
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.789 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.00 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.5	27.7
277	25.3	20.0	30.0

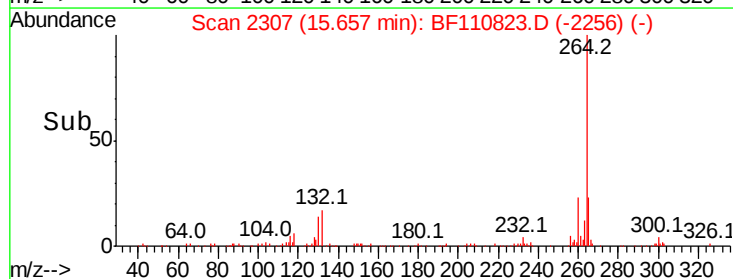
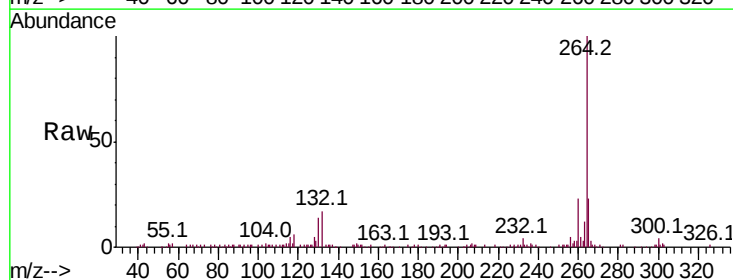
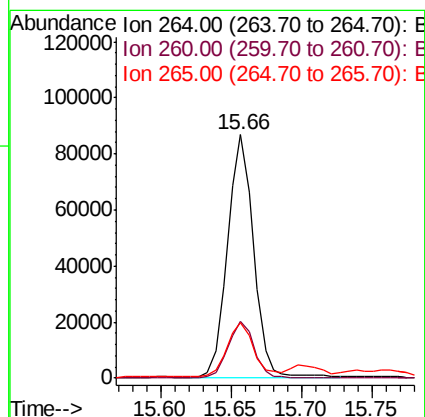
Manual Integrations
APPROVED

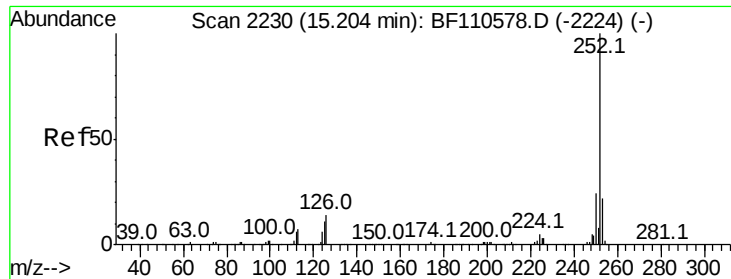
Sohil
11/19/2018 11:55:58 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	23.0	16.7	25.1





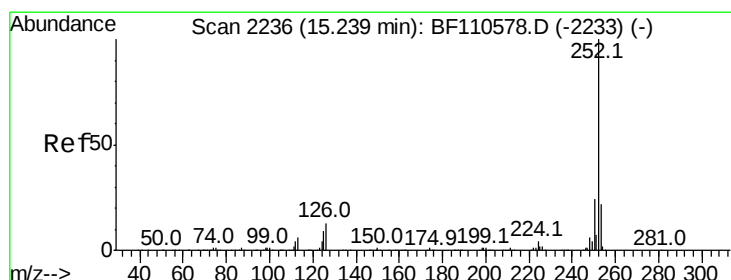
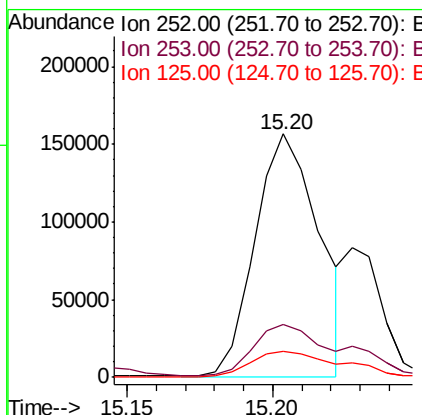
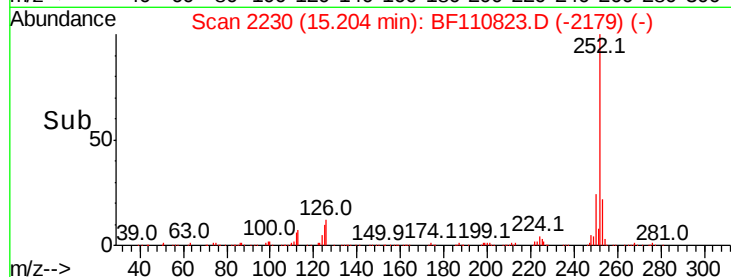
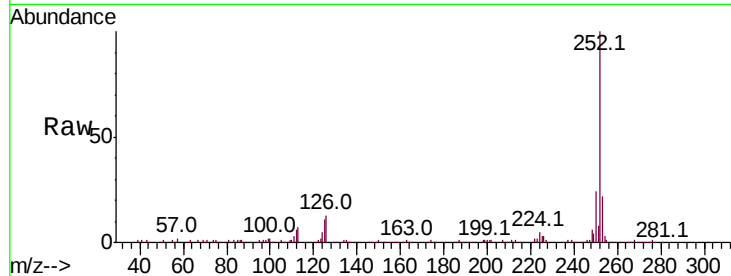
#88
Benzo(b)fluoranthene
Concen: 35.572 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.8	8.2	12.4

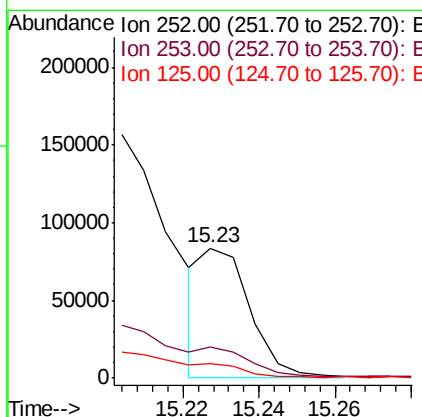
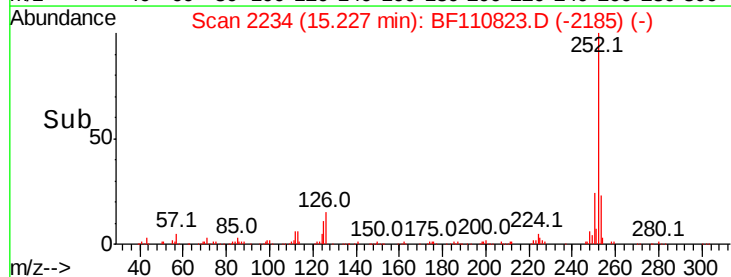
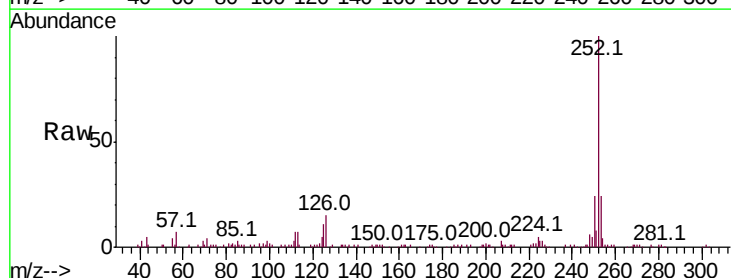
Manual Integrations
APPROVED

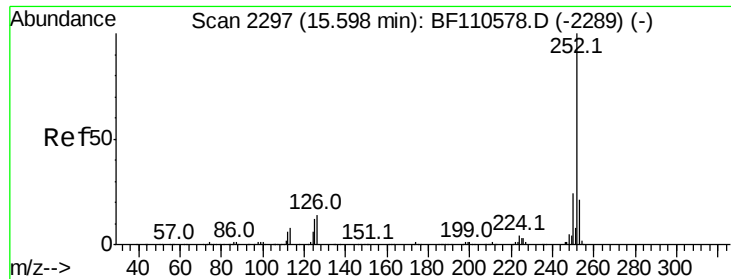
Sohil
11/19/2018 11:55:58 AM



#89
Benzo(k)fluoranthene
Concen: 11.230 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	11.2	7.4	11.0#





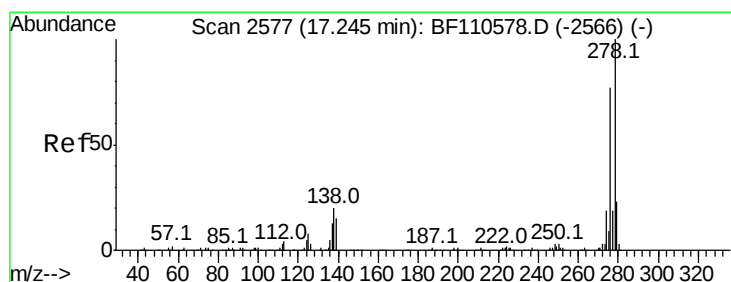
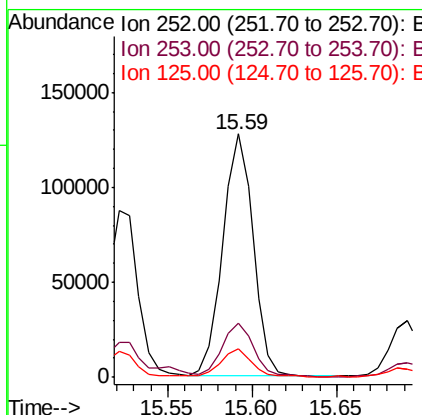
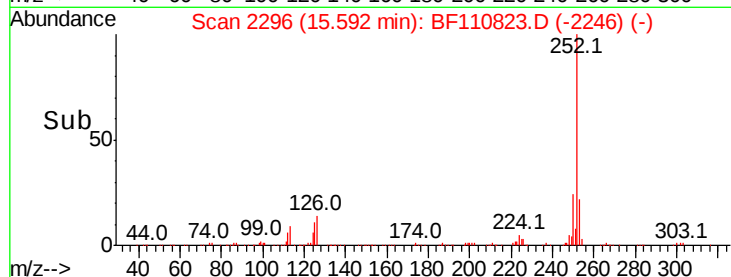
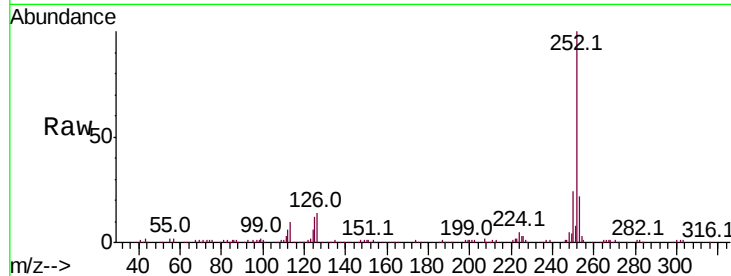
#90
Benzo(a)pyrene
Concen: 26.143 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.8	9.0	13.6

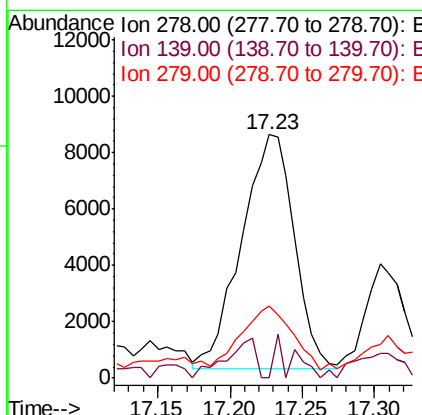
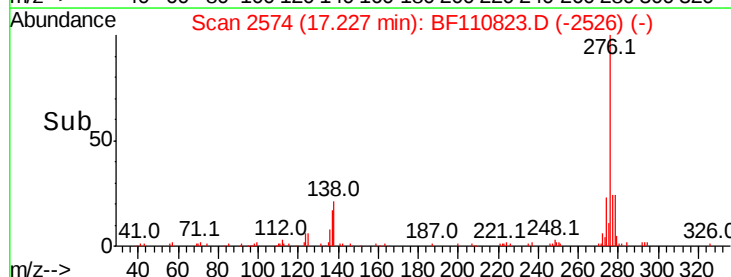
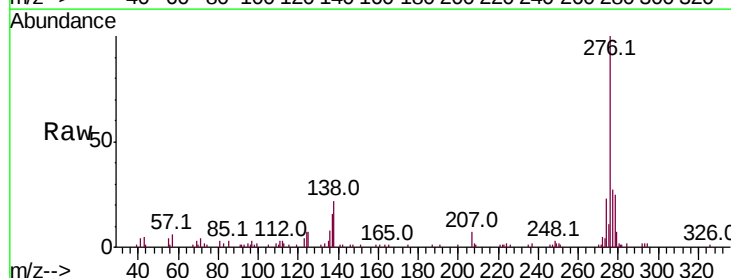
Manual Integrations
APPROVED

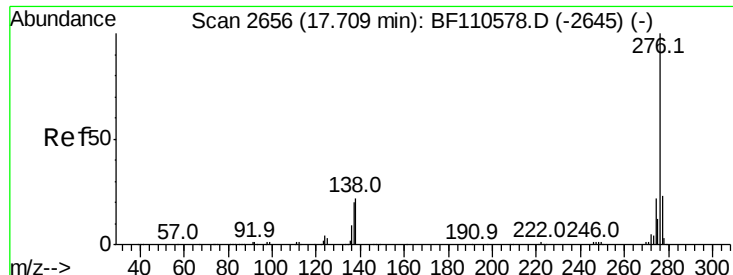
Sohil
11/19/2018 11:55:58 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.102 ng m
RT: 17.23 min Scan# 2574
Delta R.T. -0.02 min
Lab File: BF110823.D
Acq: 16 Nov 2018 18:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	29.6	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 13.981 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. 0.00 min
 Lab File: BF110823.D
 Acq: 16 Nov 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Tot Ion:	276	Resp:	71939
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	20.8	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 11/19/2018 11:55:58 AM

