

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103557.D
 Acq On : 9 Mar 2018 15:19
 Operator : SJ/JU
 Sample : J1853-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-WC

Manual Integrations
 APPROVED

Sohil
 3/12/2018 3:50:13 PM

Quant Time: Mar 09 17:30:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	157132	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	649730	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	263934	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	367165	20.00	ng	0.00
75) Chrysene-d12	14.06	240	229598	20.00	ng	0.00
86) Perylene-d12	15.58	264	187040	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1028213	98.97	ng	0.00
7) Phenol-d6	6.50	99	1297152	102.03	ng	0.00
23) Nitrobenzene-d5	7.43	82	821065	72.17	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	164596	73.68	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1011909	61.80	ng	0.00
78) Terphenyl-d14	12.99	244	629288	65.89	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	83082	2.612	ng	98
37) 2-Methylnaphthalene	8.86	142	101132	4.919	ng	97
51) Acenaphthene	9.94	154	51057	3.252	ng	95
54) Dibenzofuran	10.12	168	51720	2.400	ng	# 92
57) Fluorene	10.46	166	61310	3.340	ng	# 98
70) Phenanthrene	11.43	178	466829	23.103	ng	99
71) Anthracene	11.48	178	154676	7.465	ng	97
72) Carbazole	11.65	167	47706	2.312	ng	# 95
73) Di-n-butylphthalate	11.95	149	804248	31.149	ng	99
74) Fluoranthene	12.62	202	494630	24.360	ng	99
77) Pyrene	12.86	202	449751	25.125	ng	98
80) Benzo(a)anthracene	14.05	228	226403	15.198	ng	97
82) Chrysene	14.09	228	190856	13.195	ng	95
85) Indeno(1,2,3-cd)pyrene	17.14	276	80058	6.991	ng	# 91
87) Benzo(b)fluoranthene	15.13	252	199122m	16.192	ng	
88) Benzo(k)fluoranthene	15.16	252	78961m	6.819	ng	
89) Benzo(a)pyrene	15.52	252	156223	14.226	ng	# 87
91) Benzo(g,h,i)perylene	17.62	276	94067	11.342	ng	# 90

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

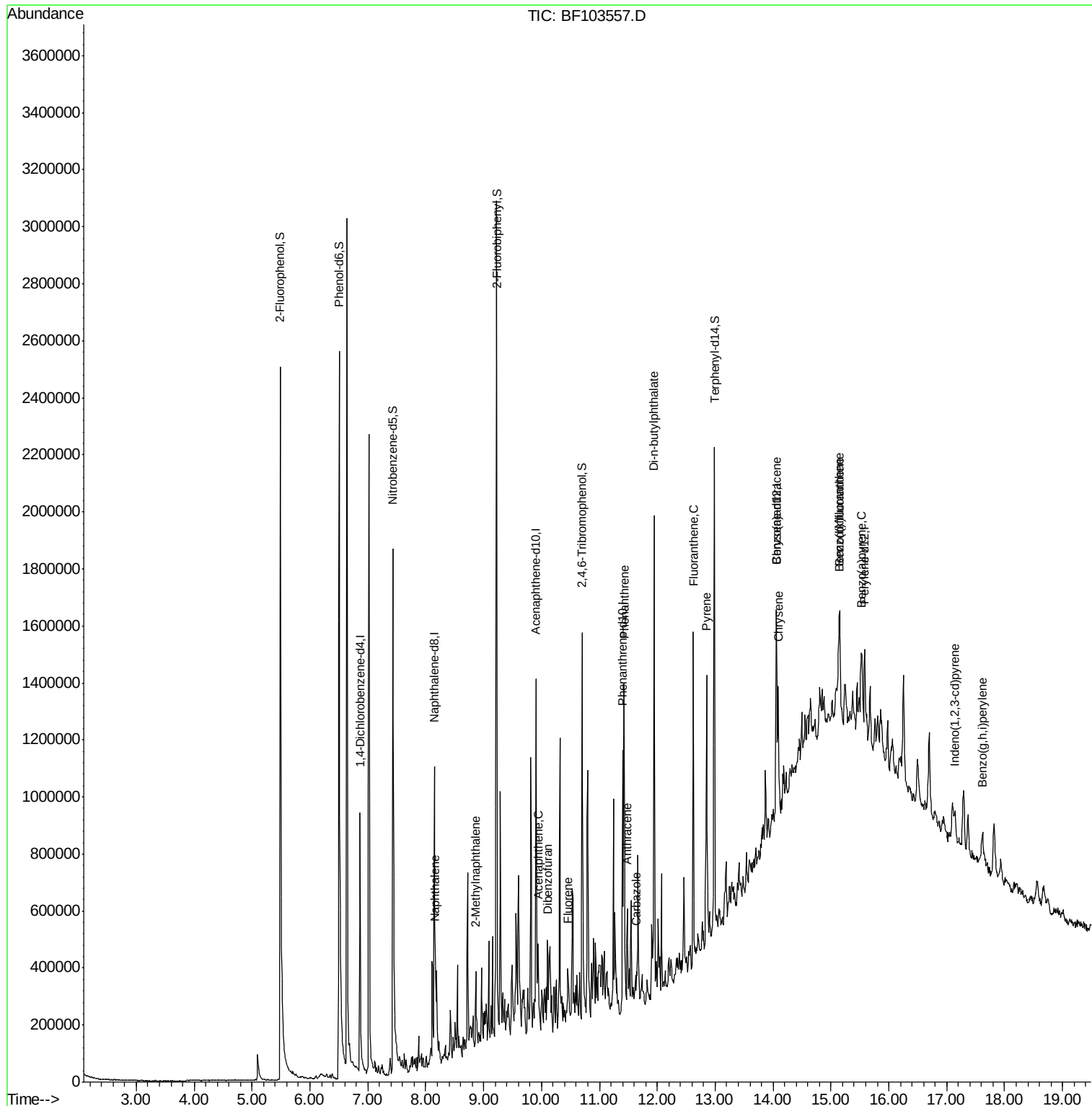
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030918\
Data File : BF103557.D
Acq On : 9 Mar 2018 15:19
Operator : SJ/JU
Sample : J1853-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

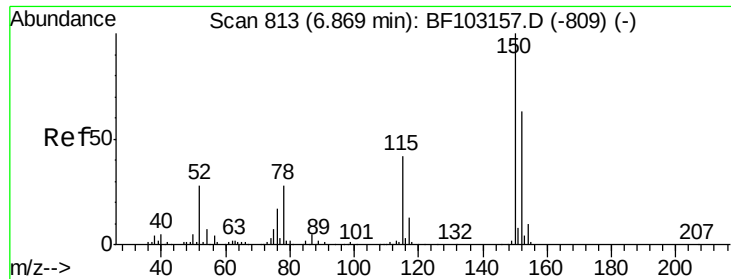
Instrument :
BNA_F
ClientSampled :
TP1-WC

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM

Quant Time: Mar 09 17:30:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration





#1

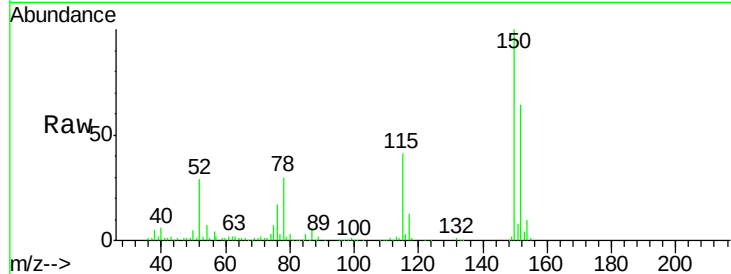
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	64.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM

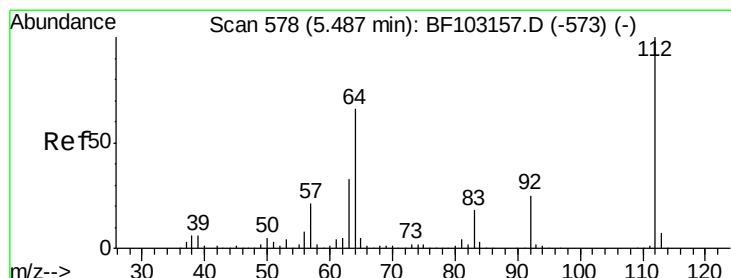
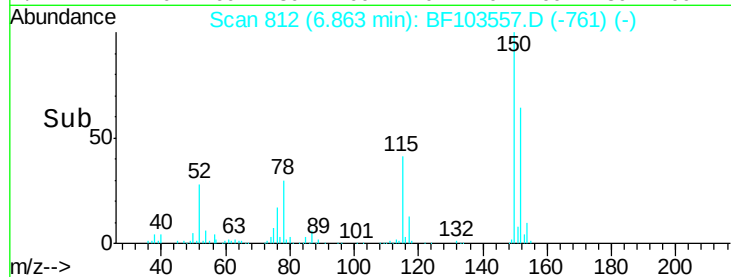
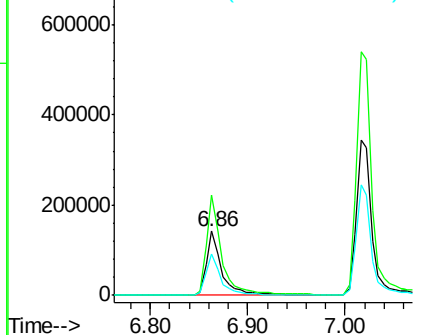


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

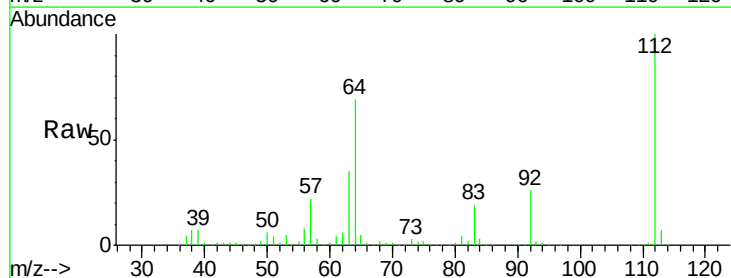
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.968 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	47.9	71.9
63	35.4	23.7	35.5

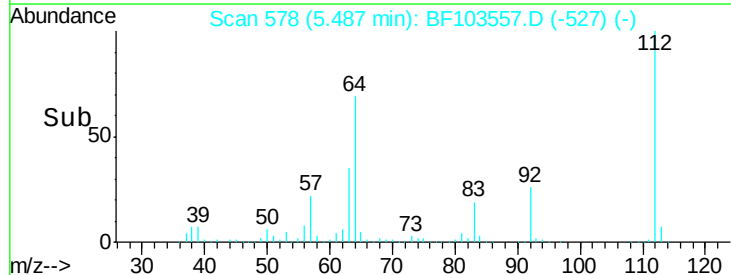
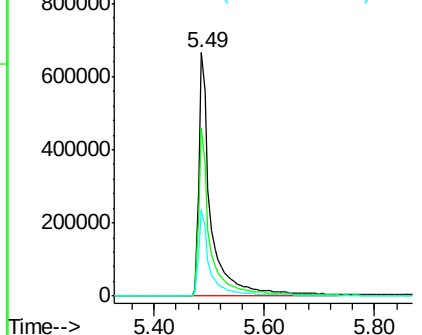


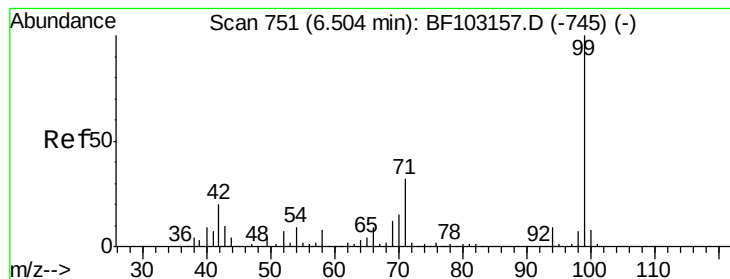
Abundance

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: 102.034 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

ClientSampleId :

TP1-WC

Tot Ion: 99 Resp: 1297152

Ion Ratio Lower Upper

99 100

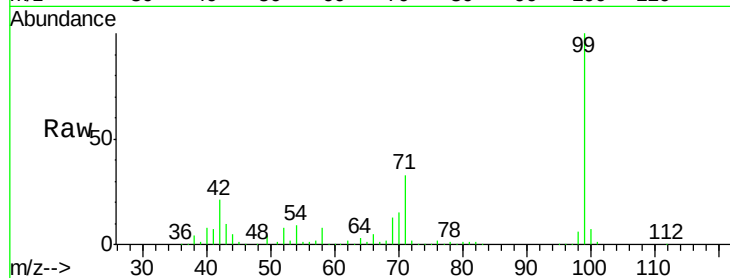
42 21.0 14.5 21.7

71 32.9 25.4 38.0

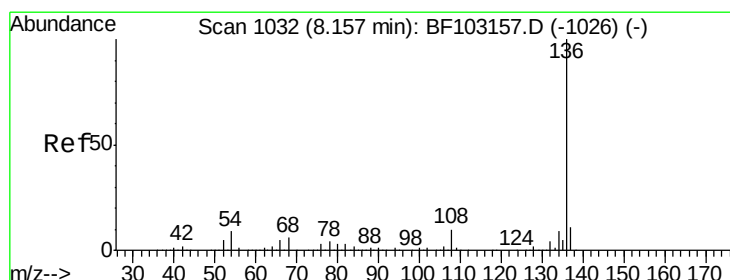
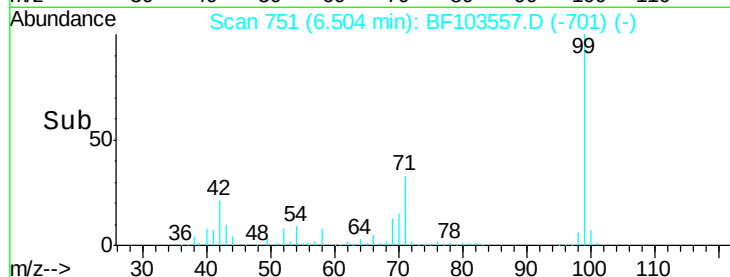
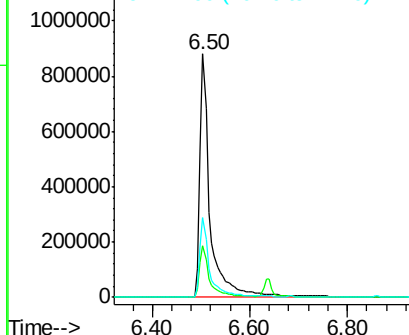
Manual Integrations
APPROVED

Sohil

3/12/2018 3:50:13 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Tgt Ion: 136 Resp: 649730

Ion Ratio Lower Upper

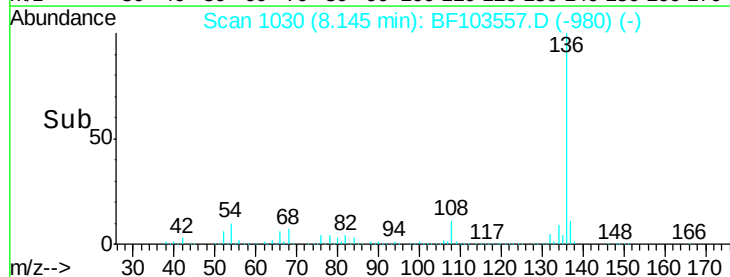
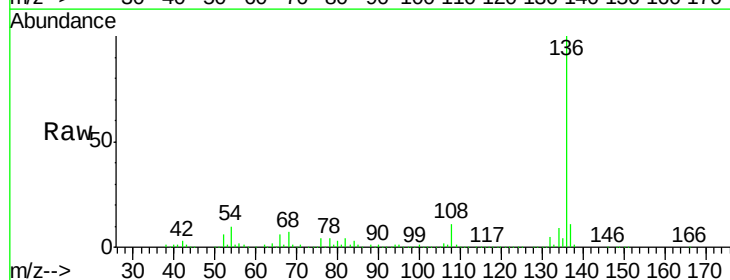
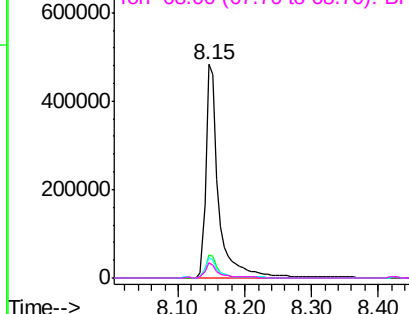
136 100

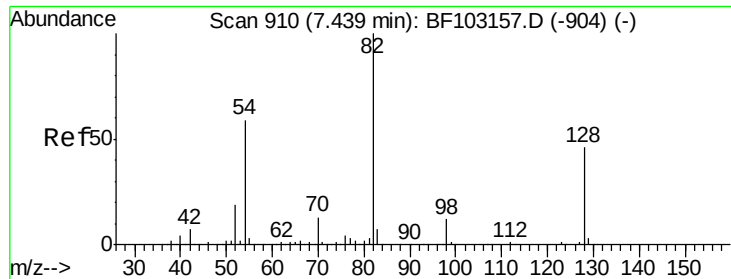
137 11.0 8.9 13.3

54 9.9 6.6 9.8#

68 7.1 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





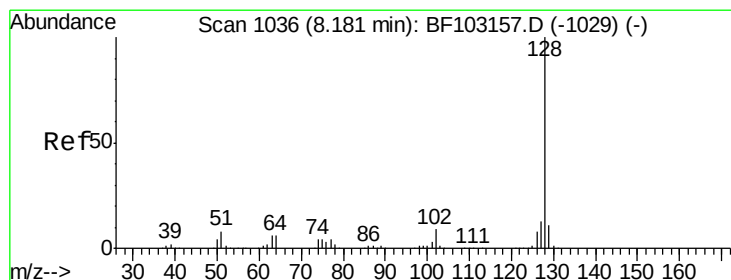
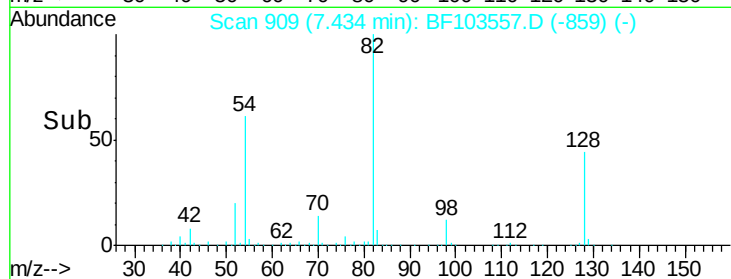
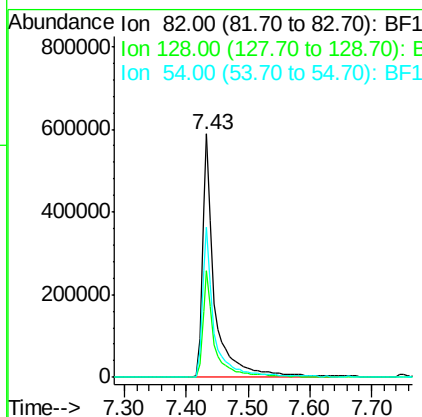
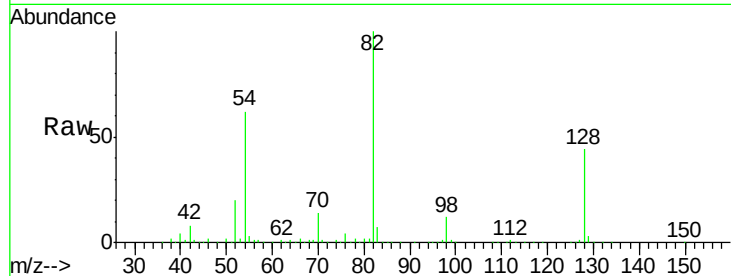
#23
Nitrobenzene-d5
Concen: 72.168 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	61.6	41.4	62.2

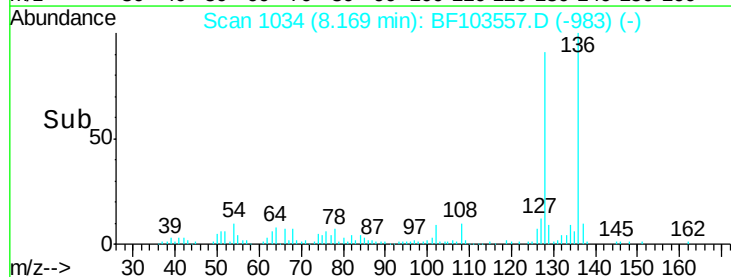
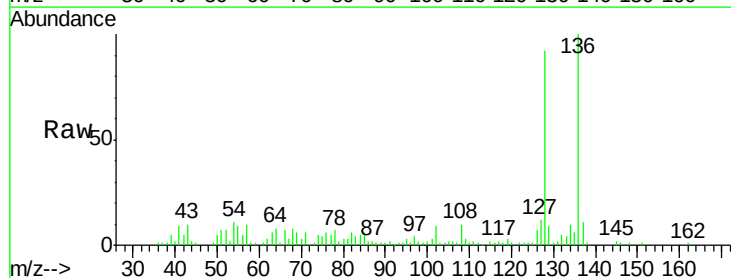
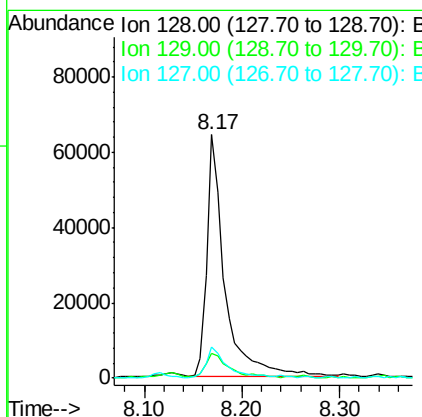
Manual Integrations
APPROVED

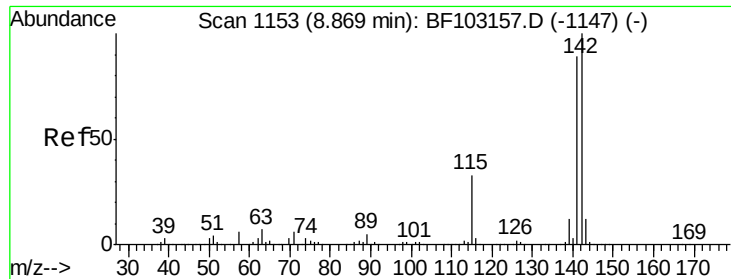
Sohil
3/12/2018 3:50:13 PM



#31
Naphthalene
Concen: 2.612 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.7	10.9	16.3





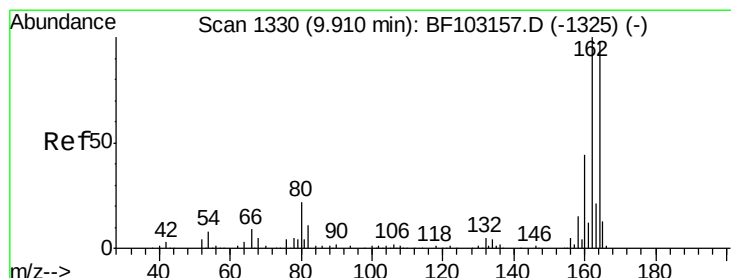
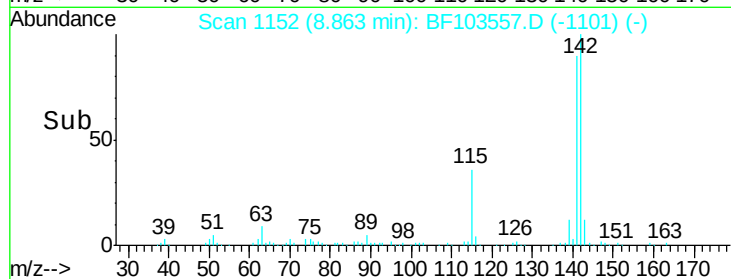
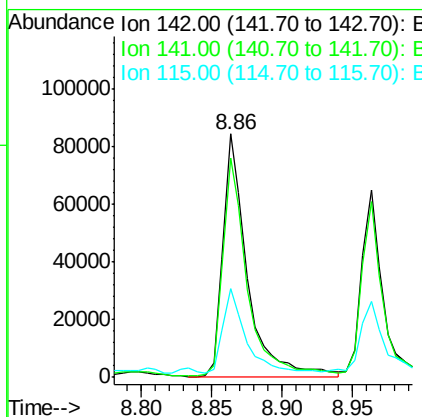
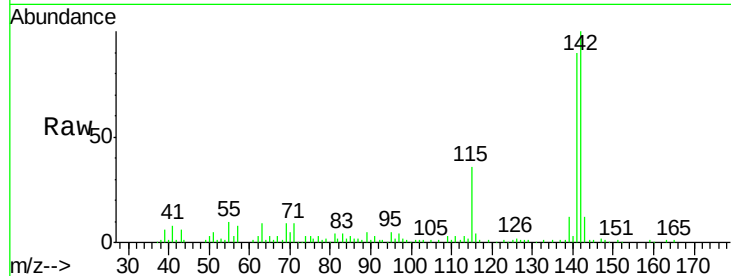
#37
2-Methylnaphthalene
Concen: 4.919 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	36.5	26.1	39.1

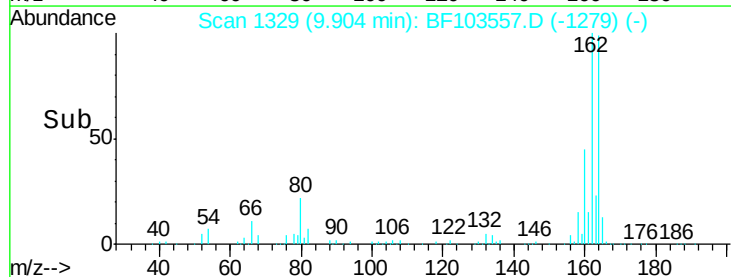
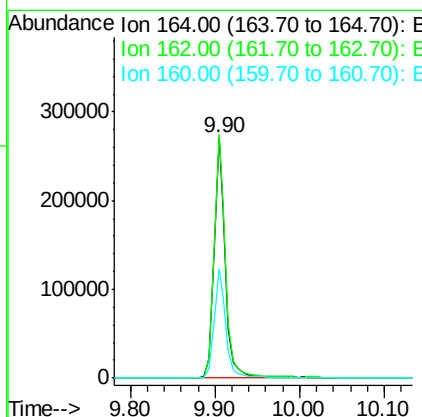
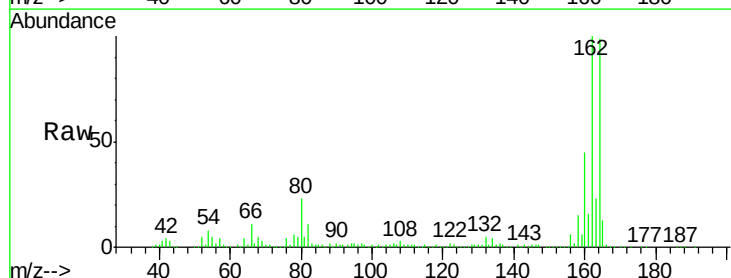
Manual Integrations
APPROVED

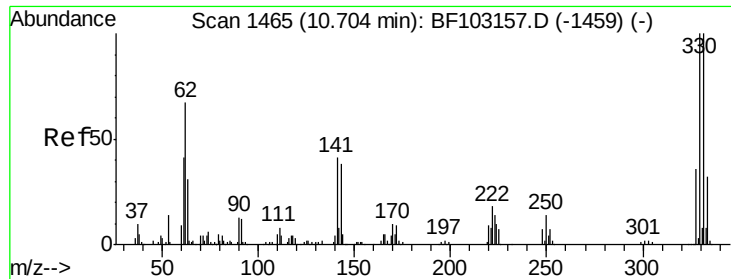
Sohil
3/12/2018 3:50:13 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	45.6	38.3	57.5





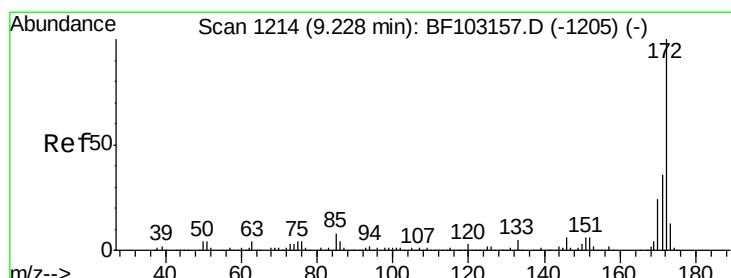
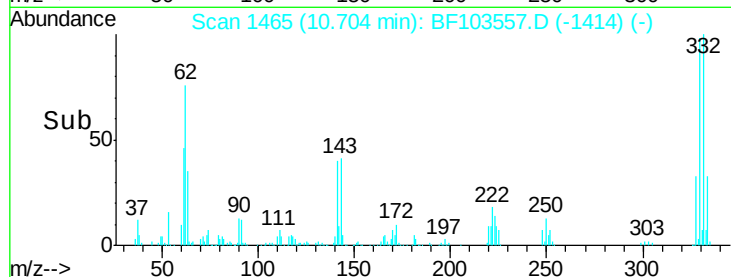
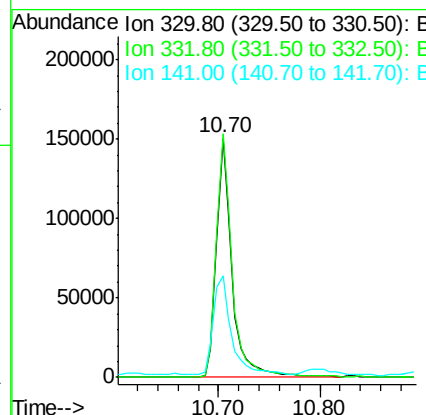
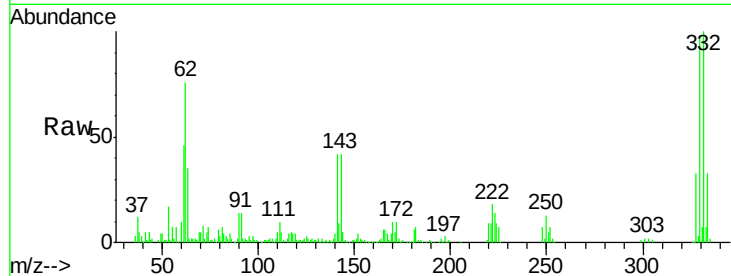
#41
 2,4,6-Tribromophenol
 Concen: 73.676 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103557.D
 Acq: 9 Mar 2018 15:19

Instrument :
 BNA_F
 ClientSampleId :
 TP1-WC

Tot Ion	Ratio	Resp	Lower	Upper
330	100	164596		
332	103.7	77.0	115.6	
141	46.2	29.9	44.9	

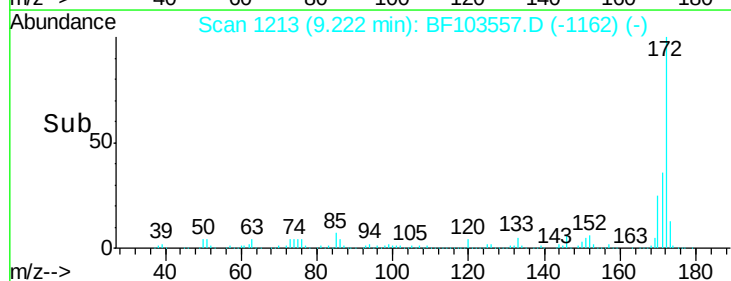
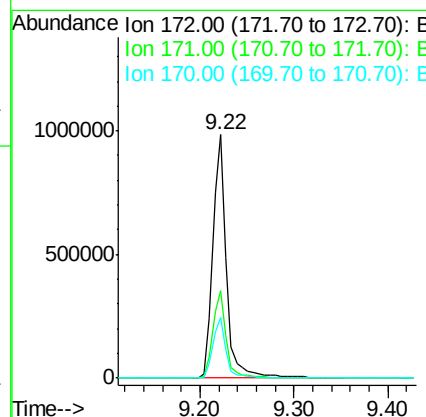
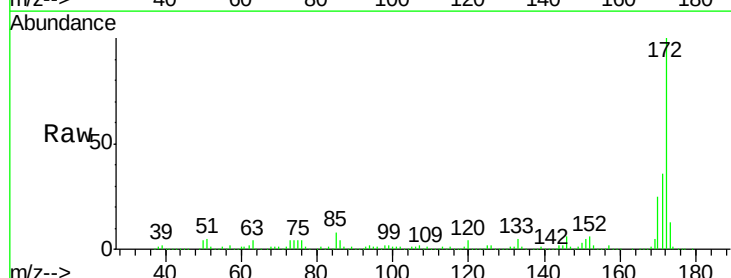
Manual Integrations
 APPROVED

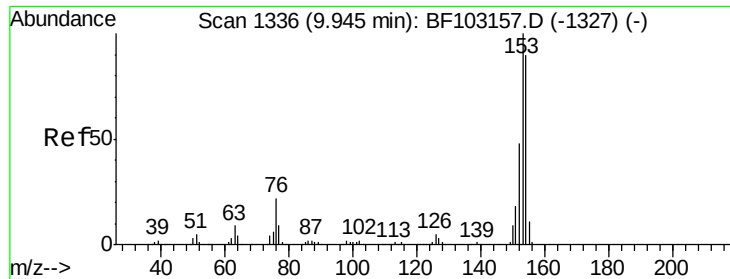
Sohil
 3/12/2018 3:50:13 PM



#44
 2-Fluorobiphenyl
 Concen: 61.799 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103557.D
 Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1011909		
171	36.0	29.7	44.5	
170	24.9	19.6	29.4	





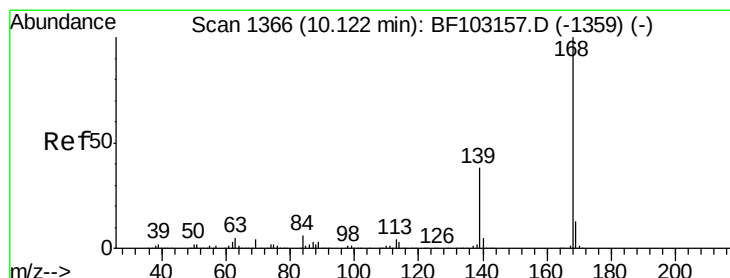
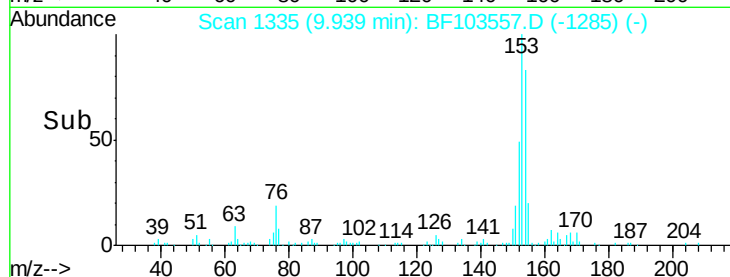
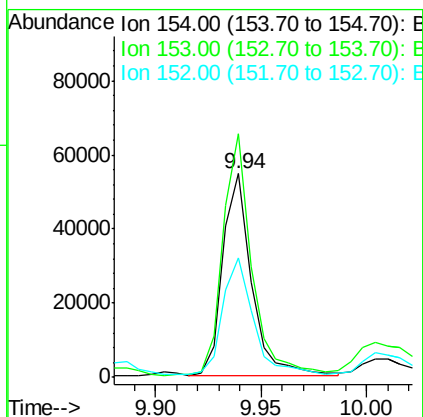
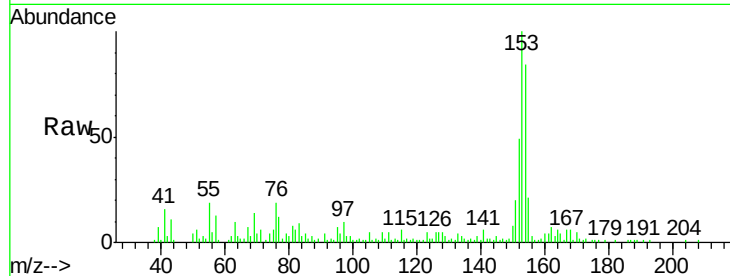
#51
Acenaphthene
Concen: 3.252 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.6	91.2	136.8
152	58.4	43.8	65.8

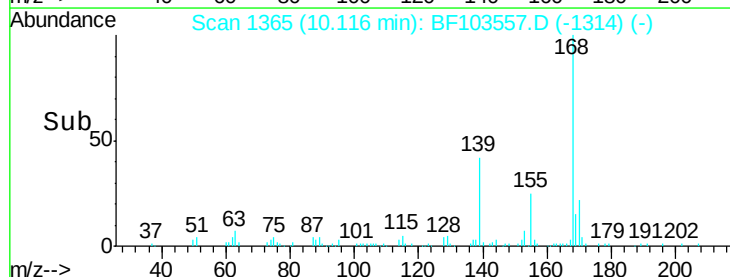
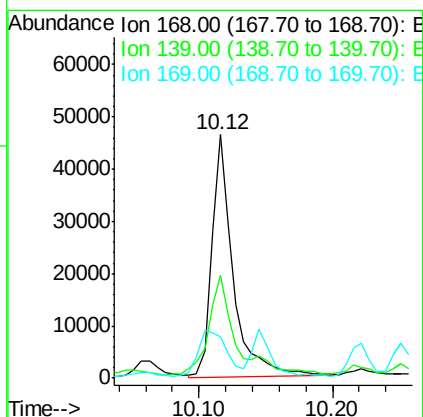
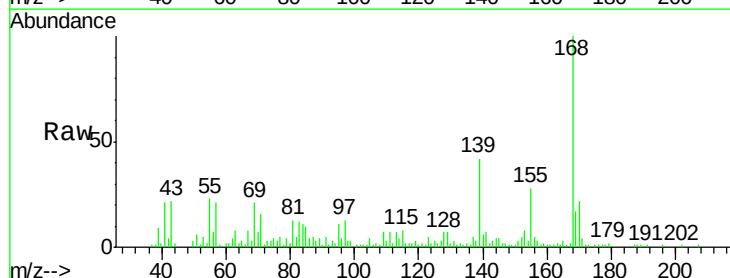
Manual Integrations
APPROVED

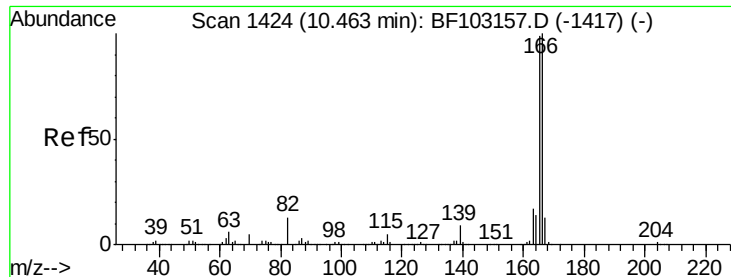
Sohil
3/12/2018 3:50:13 PM



#54
Dibenzofuran
Concen: 2.400 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.4	30.1	45.1
169	16.7	10.9	16.3#





#57

Fluorene

Concen: 3.340 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

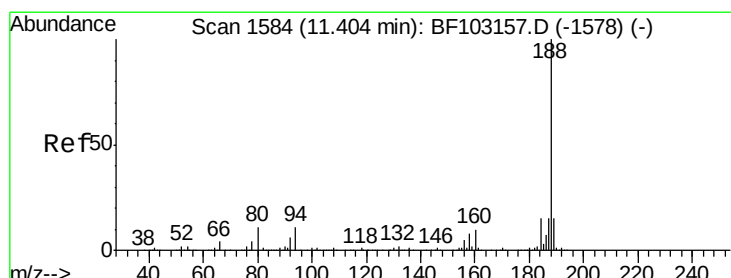
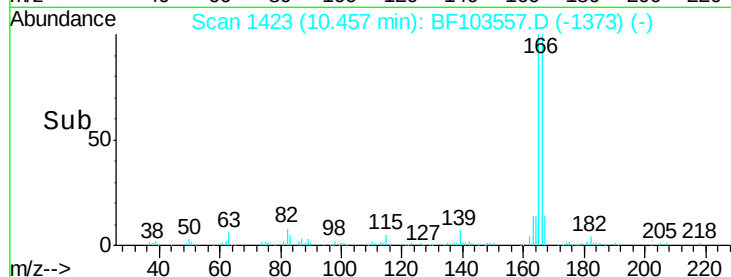
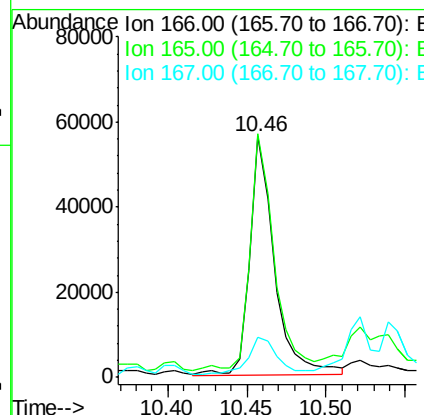
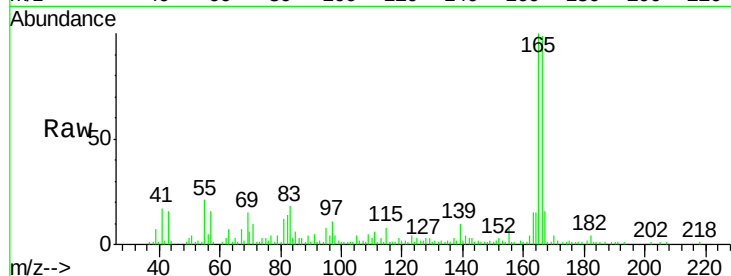
ClientSampleId :

TP1-WC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.2	79.8	119.8		
167	16.4	10.6	16.0#		

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

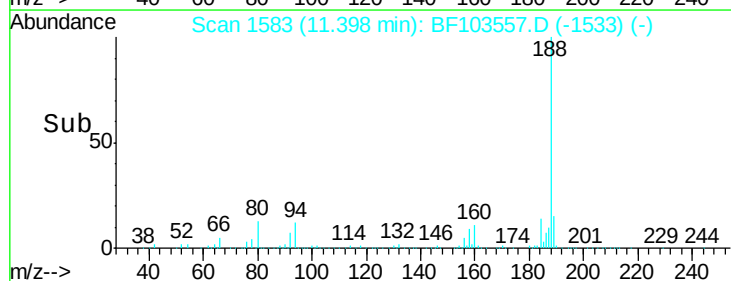
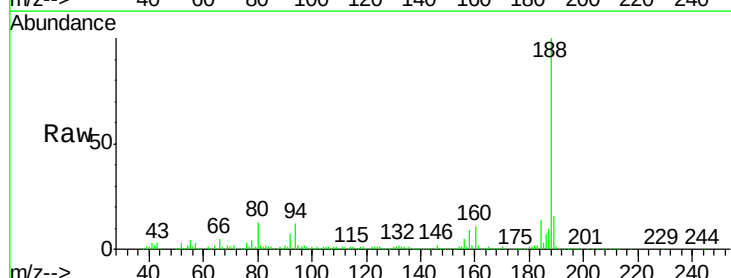
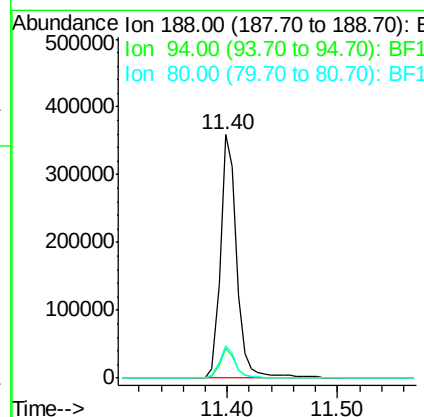
RT: 11.40 min Scan# 1583

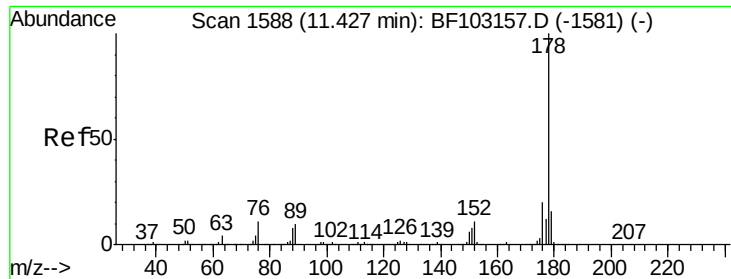
Delta R.T. -0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.0	8.5	12.7		
80	13.3	9.2	13.8		





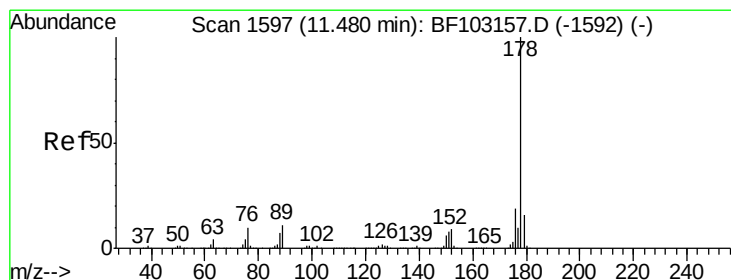
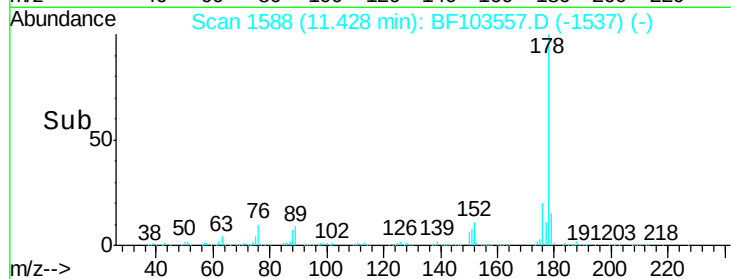
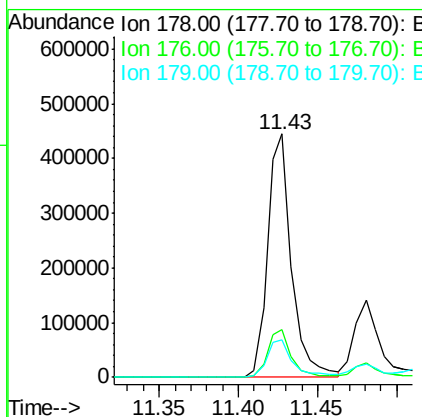
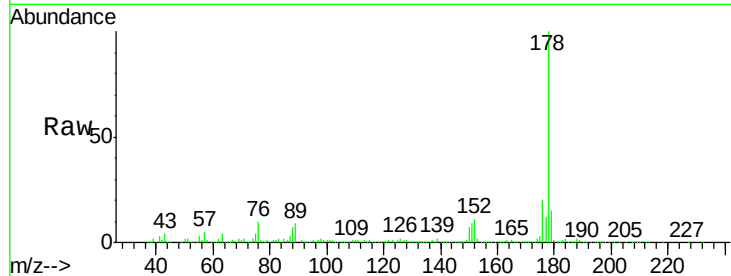
#70
Phenanthrene
Concen: 23.103 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.9	15.8	23.8	
179	15.5	13.0	19.6	

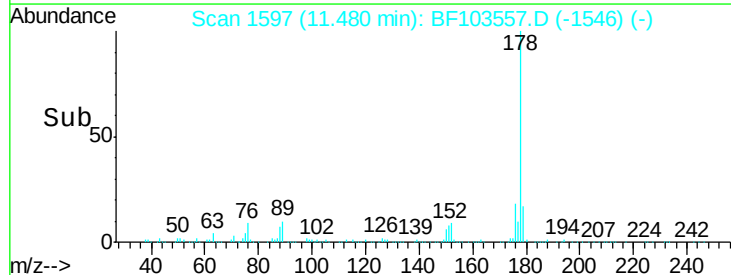
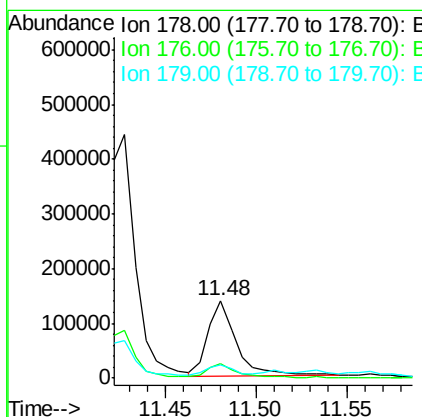
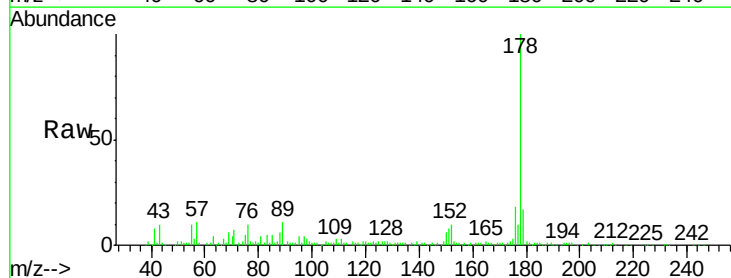
Manual Integrations
APPROVED

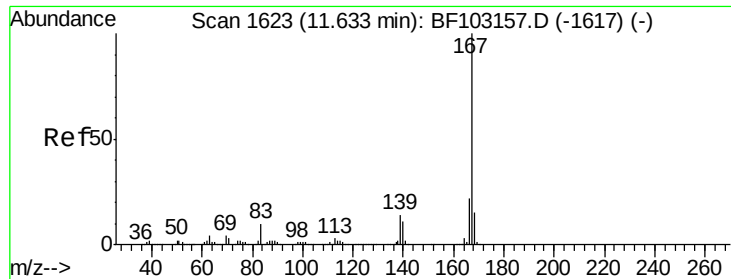
Sohil
3/12/2018 3:50:13 PM



#71
Anthracene
Concen: 7.465 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.2	15.4	23.2	
179	17.4	12.6	19.0	





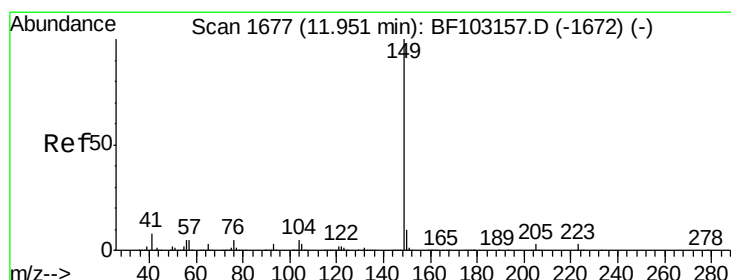
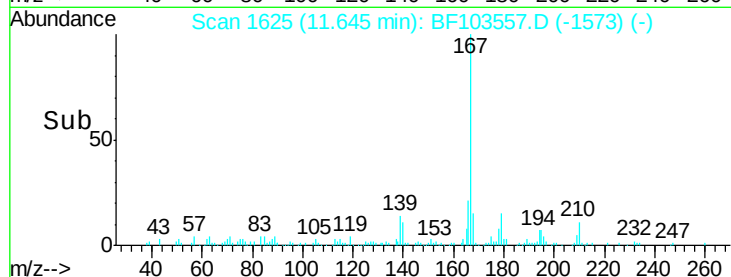
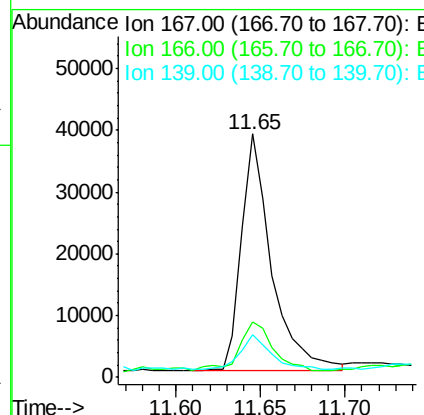
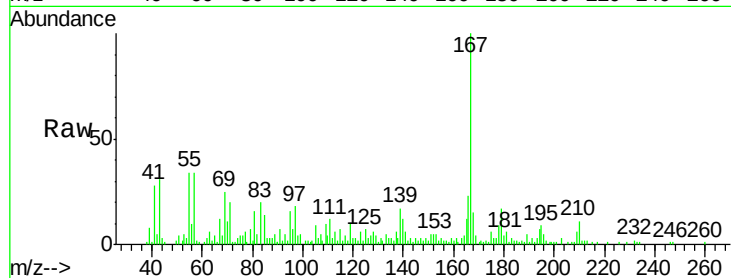
#72
 Carbazole
 Concen: 2.312 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF103557.D
 Acq: 9 Mar 2018 15:19

Instrument :
 BNA_F
 ClientSampleId :
 TP1-WC

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	17.4	10.9	16.3

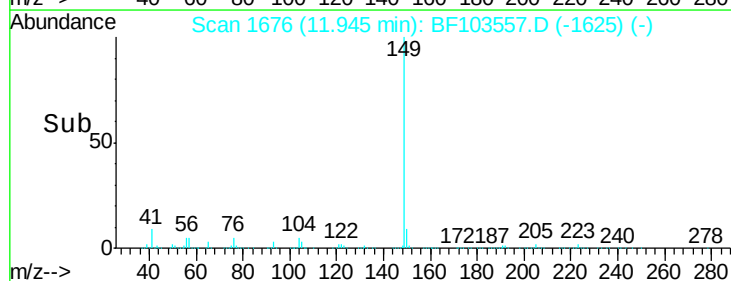
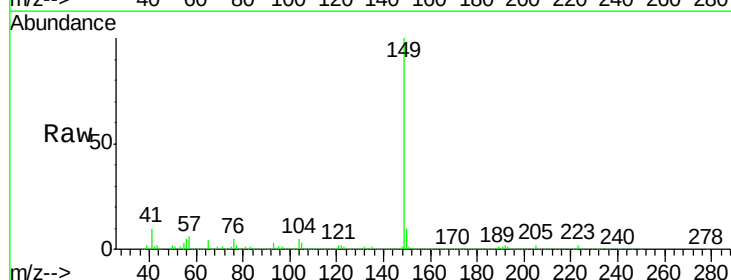
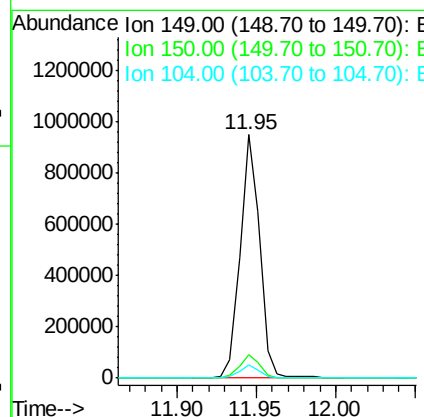
Manual Integrations
 APPROVED

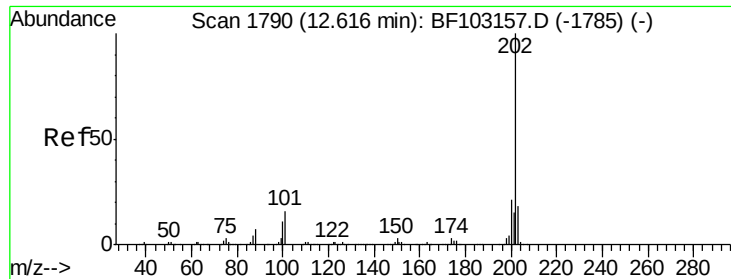
Sohil
 3/12/2018 3:50:13 PM



#73
 Di-n-butylphthalate
 Concen: 31.149 ng
 RT: 11.95 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: BF103557.D
 Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	5.3	3.8	5.8





#74

Fluoranthene

Concen: 24.360 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

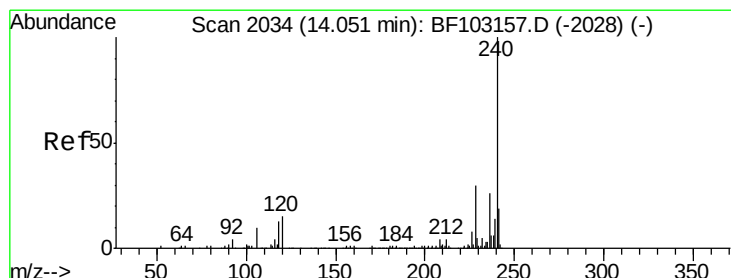
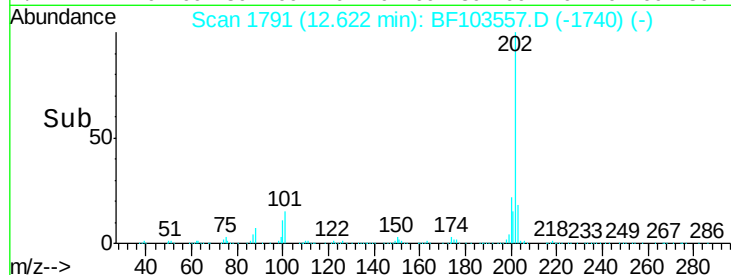
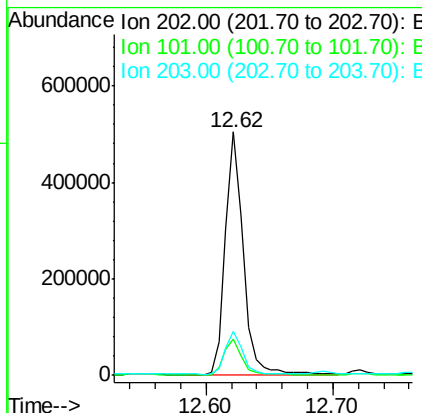
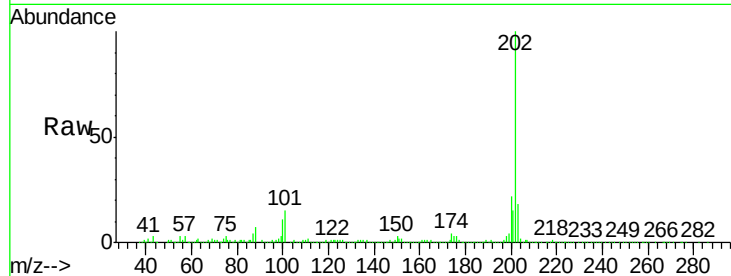
ClientSampleId :

TP1-WC

Tot Ion:	202	Resp:	494630
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM



#75

Chrysene-d12

Concen: 20.000 ng

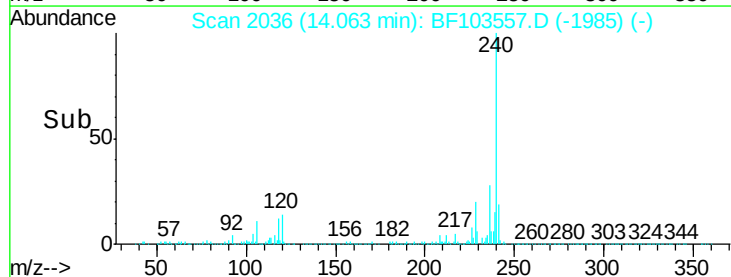
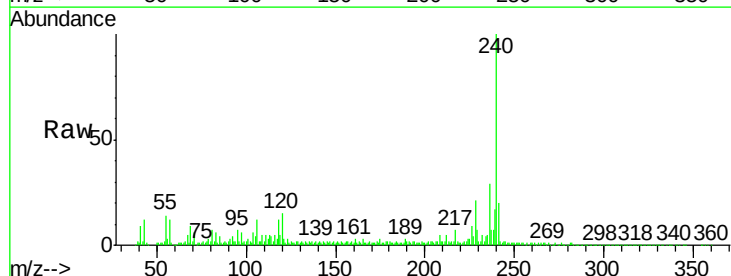
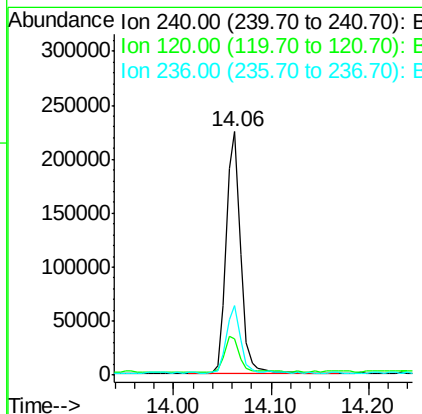
RT: 14.06 min Scan# 2036

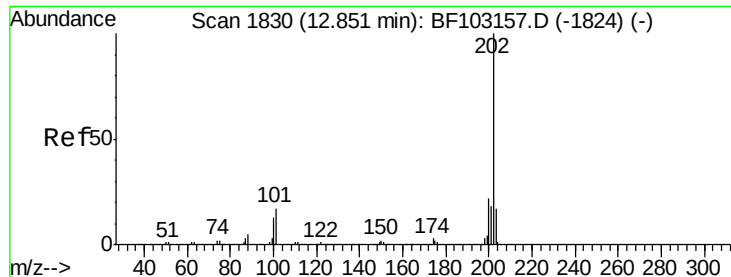
Delta R.T. 0.00 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Tgt Ion:	240	Resp:	229598
Ion Ratio	Lower	Upper	
240	100		
120	15.0	9.5	14.3#
236	28.7	20.7	31.1





#77

Pvrene

Concen: 25.125 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

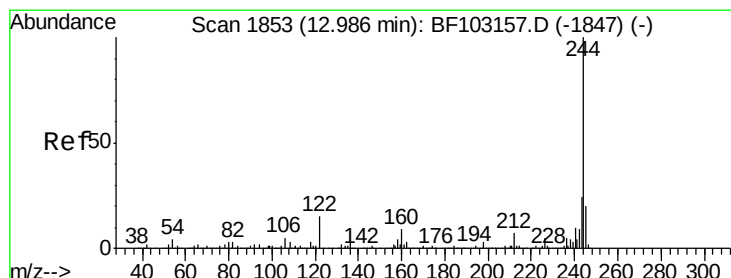
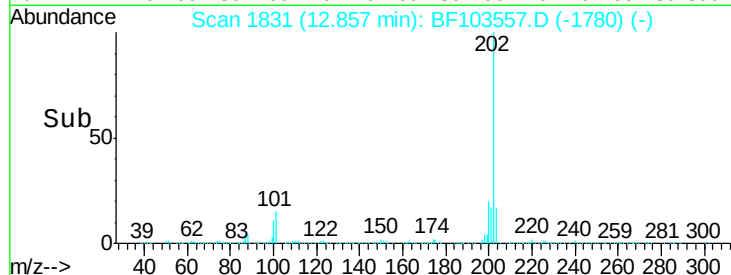
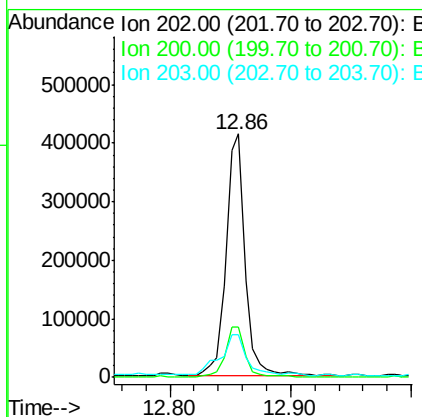
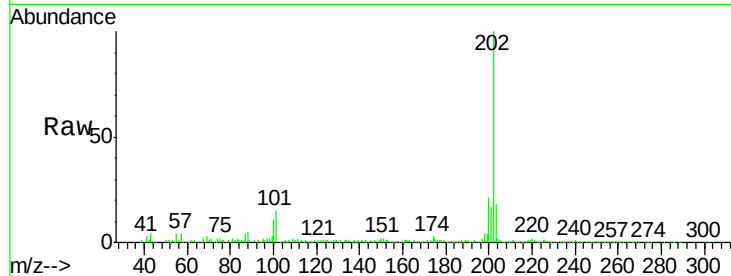
ClientSampled :

TP1-WC

Tot Ion:	202	Resp:	449751
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM



#78

Terphenyl-d14

Concen: 65.886 ng

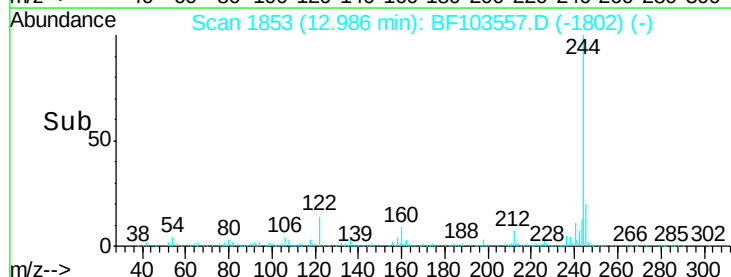
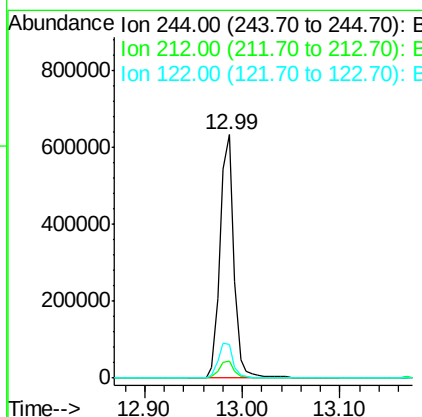
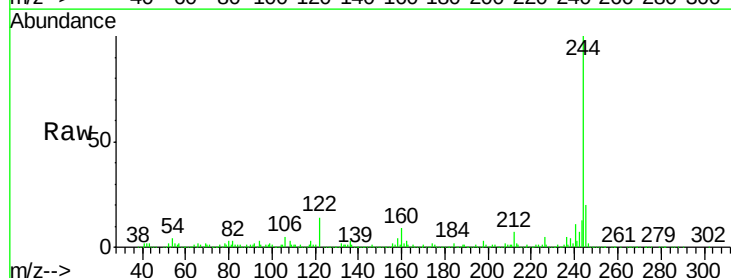
RT: 12.99 min Scan# 1853

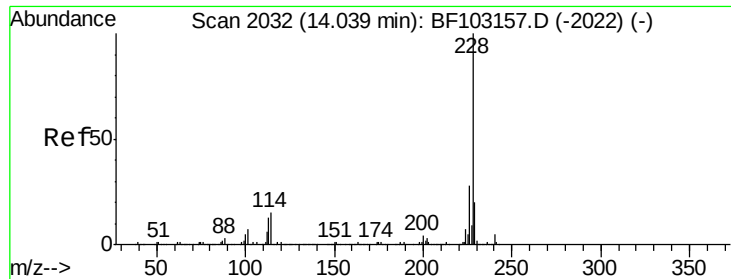
Delta R.T. 0.00 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Tgt Ion:	244	Resp:	629288
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	13.9	11.0	16.4





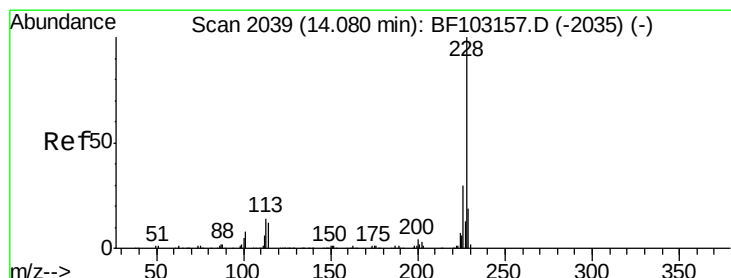
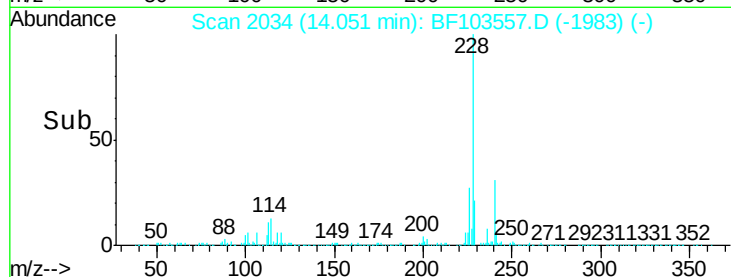
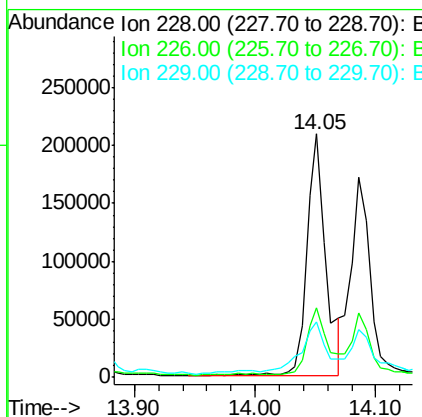
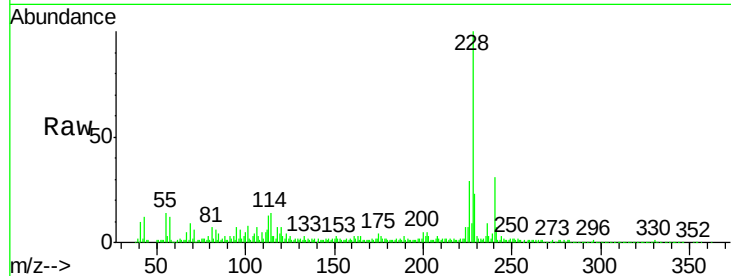
#80
Benzo(a)anthracene
Concen: 15.198 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	22.7	15.8	23.6

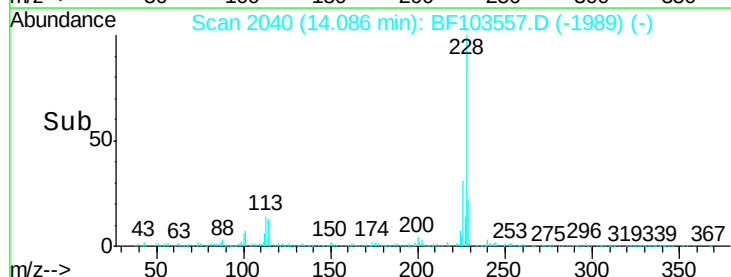
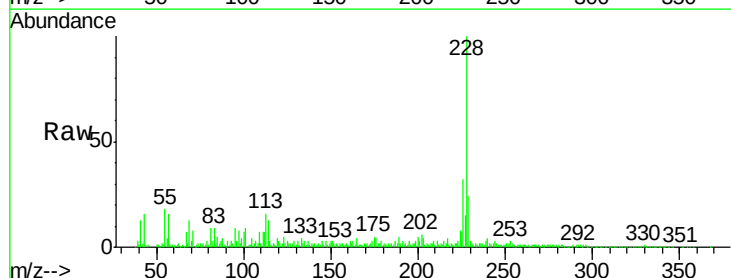
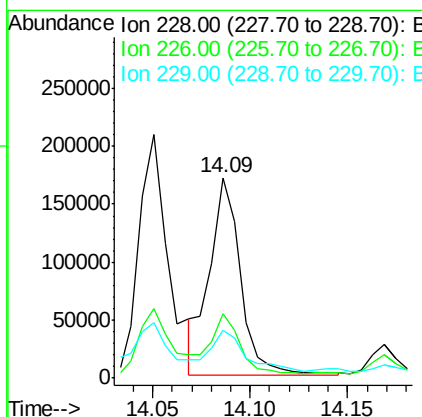
Manual Integrations
APPROVED

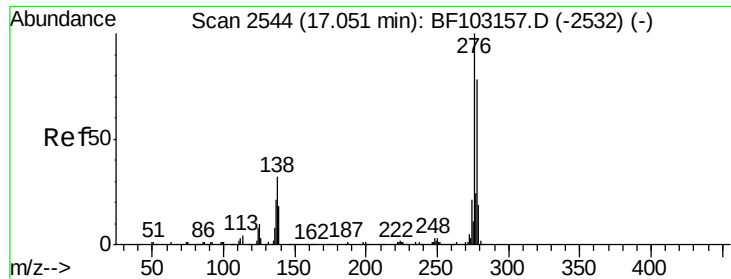
Sohil
3/12/2018 3:50:13 PM



#82
Chrysene
Concen: 13.195 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	24.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.991 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

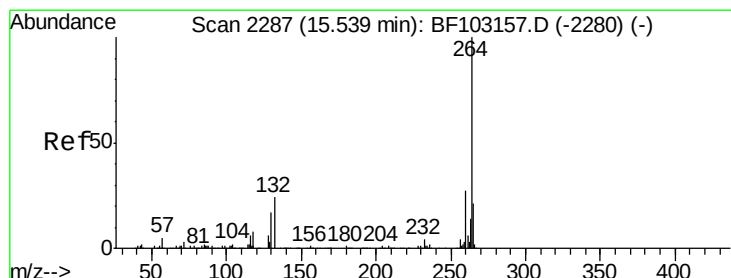
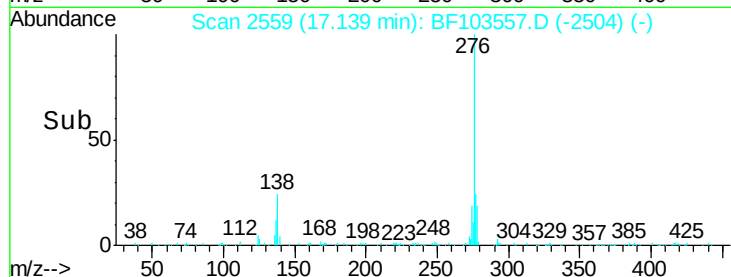
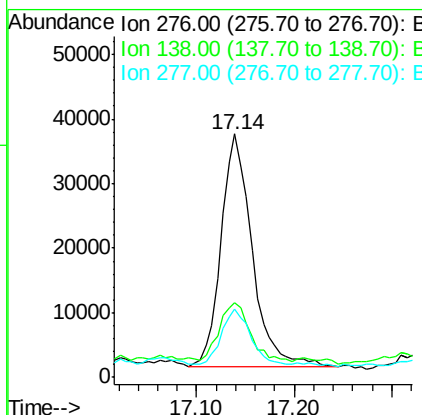
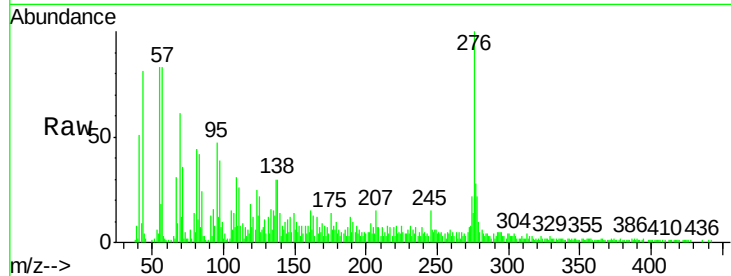
ClientSampleId :

TP1-WC

Tot Ion:	276	Resp:	80058
Ion Ratio	Lower	Upper	
276	100		
138	24.8	25.0	37.6#
277	22.0	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM



#86

Perylene-d12

Concen: 20.000 ng

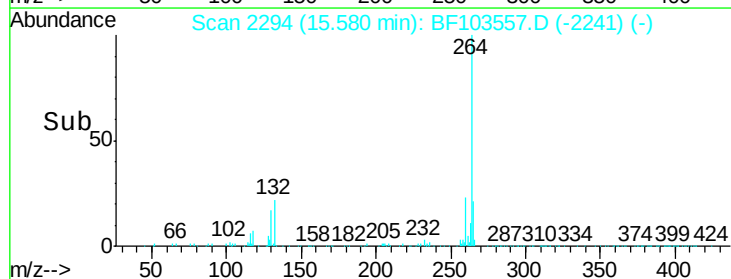
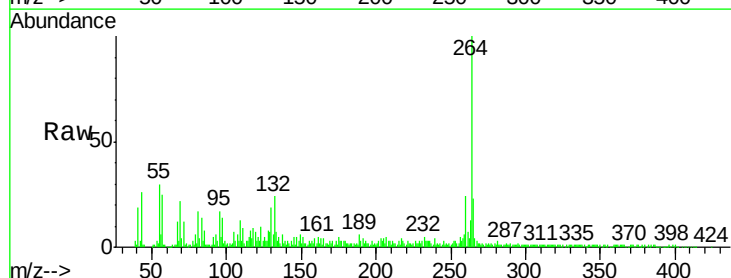
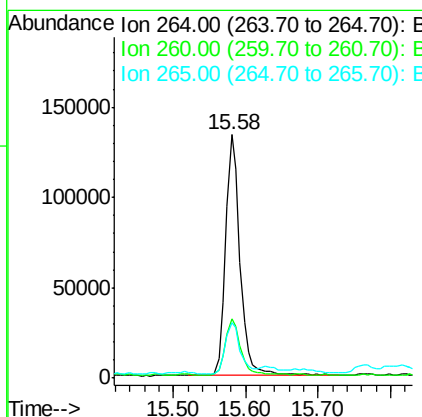
RT: 15.58 min Scan# 2294

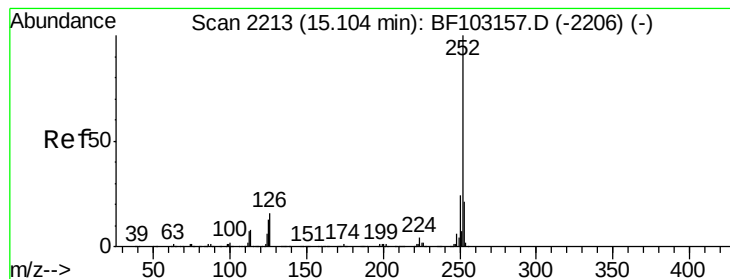
Delta R.T. 0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Tgt Ion:	264	Resp:	187040
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 16.192 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

Instrument :

BNA_F

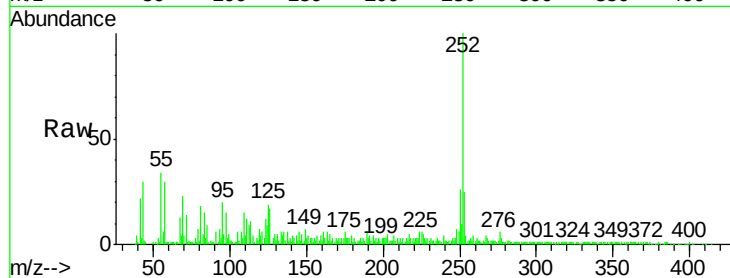
ClientSampleId :

TP1-WC

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	19.5	9.0	13.6#

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM

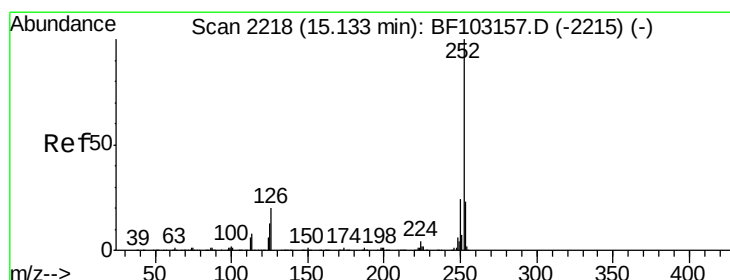
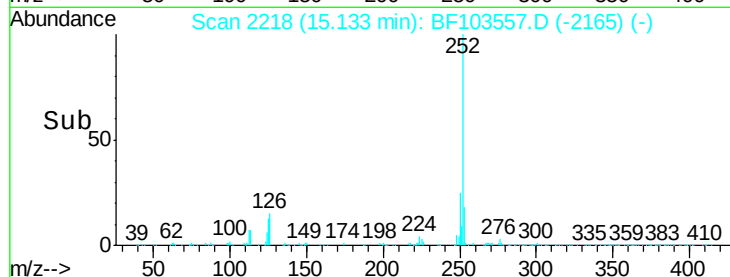
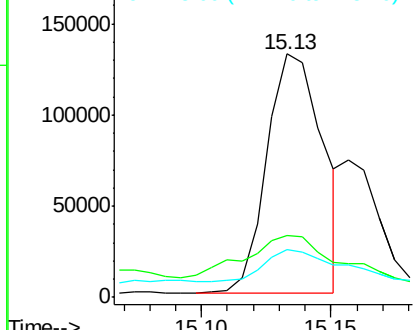


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.819 ng m

RT: 15.16 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BF103557.D

Acq: 9 Mar 2018 15:19

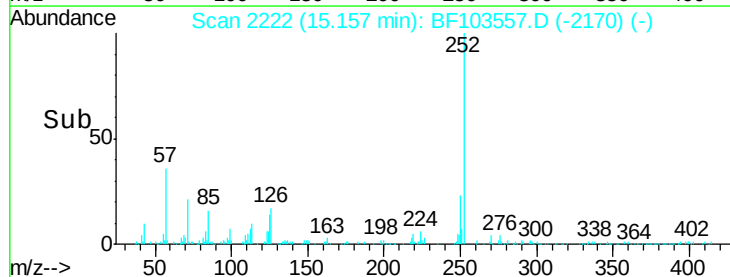
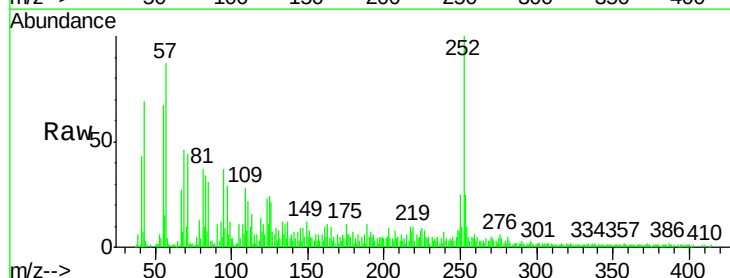
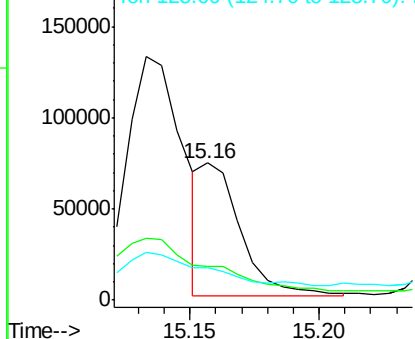
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	23.6	10.2	15.2#

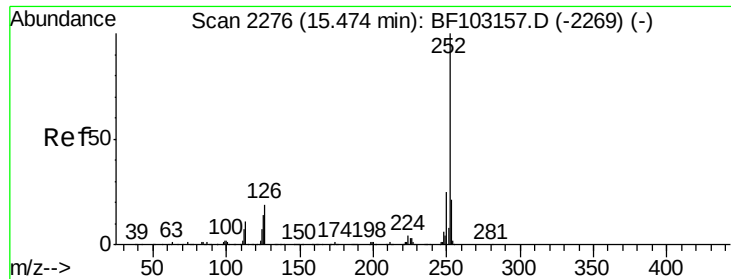
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





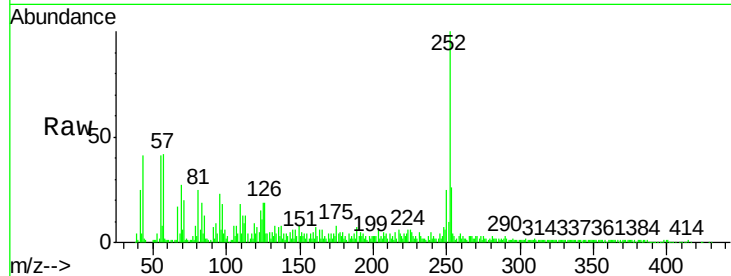
#89
Benzo(a)pyrene
Concen: 14.226 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.02 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Instrument :
BNA_F
ClientSampleId :
TP1-WC

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	19.4	9.8	14.6#

Manual Integrations
APPROVED

Sohil
3/12/2018 3:50:13 PM

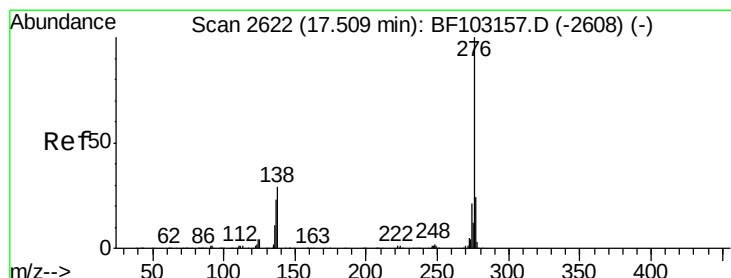
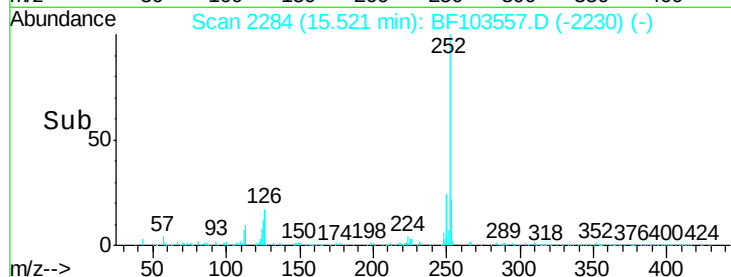
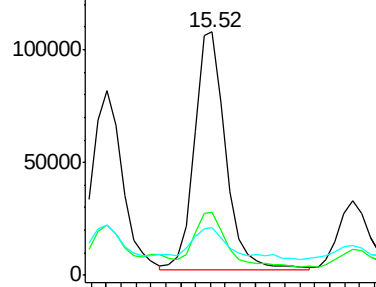


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 11.342 ng
RT: 17.62 min Scan# 2641
Delta R.T. 0.04 min
Lab File: BF103557.D
Acq: 9 Mar 2018 15:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	29.2	17.9	26.9#
138	30.4	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

