

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104163.D
 Acq On : 3 Apr 2018 6:09
 Operator : JU/SJ
 Sample : J2121-16
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-04-COMP

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:28:13 PM

Quant Time: Apr 03 07:03:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	97129	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	366681	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	147628	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	233832	20.00	ng	0.00
75) Chrysene-d12	14.16	240	209433	20.00	ng	0.00
86) Perylene-d12	15.70	264	142611	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	570968	93.75	ng	0.01
7) Phenol-d6	6.60	99	746729	99.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	432423	72.12	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	145700	88.63	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	723528	77.29	ng	0.00
78) Terphenyl-d14	13.08	244	567761	62.59	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	47953	2.677	ng	98
49) Dimethylphthalate	9.70	163	66898	5.740	ng	100
51) Acenaphthene	10.03	154	25432	2.903	ng	97
57) Fluorene	10.55	166	30705	2.910	ng	# 97
70) Phenanthrene	11.52	178	294114	23.232	ng	100
71) Anthracene	11.57	178	114660	8.671	ng	99
72) Carbazole	11.74	167	55109	4.366	ng	98
73) Di-n-butylphthalate	12.04	149	79007	5.255	ng	99
74) Fluoranthene	12.72	202	482834	35.880	ng	96
77) Pyrene	12.95	202	418197	27.777	ng	99
80) Benzo(a)anthracene	14.14	228	233707	17.834	ng	97
82) Chrysene	14.18	228	186476	14.528	ng	96
83) Bis(2-ethylhexyl)phthalate	14.10	149	39026	4.258	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	76824	5.776	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	193065m	22.245	ng	
88) Benzo(k)fluoranthene	15.27	252	75832m	9.275	ng	
89) Benzo(a)pyrene	15.64	252	135954	16.904	ng	# 93
91) Benzo(g,h,i)perylene	17.79	276	75931	10.194	ng	# 93

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

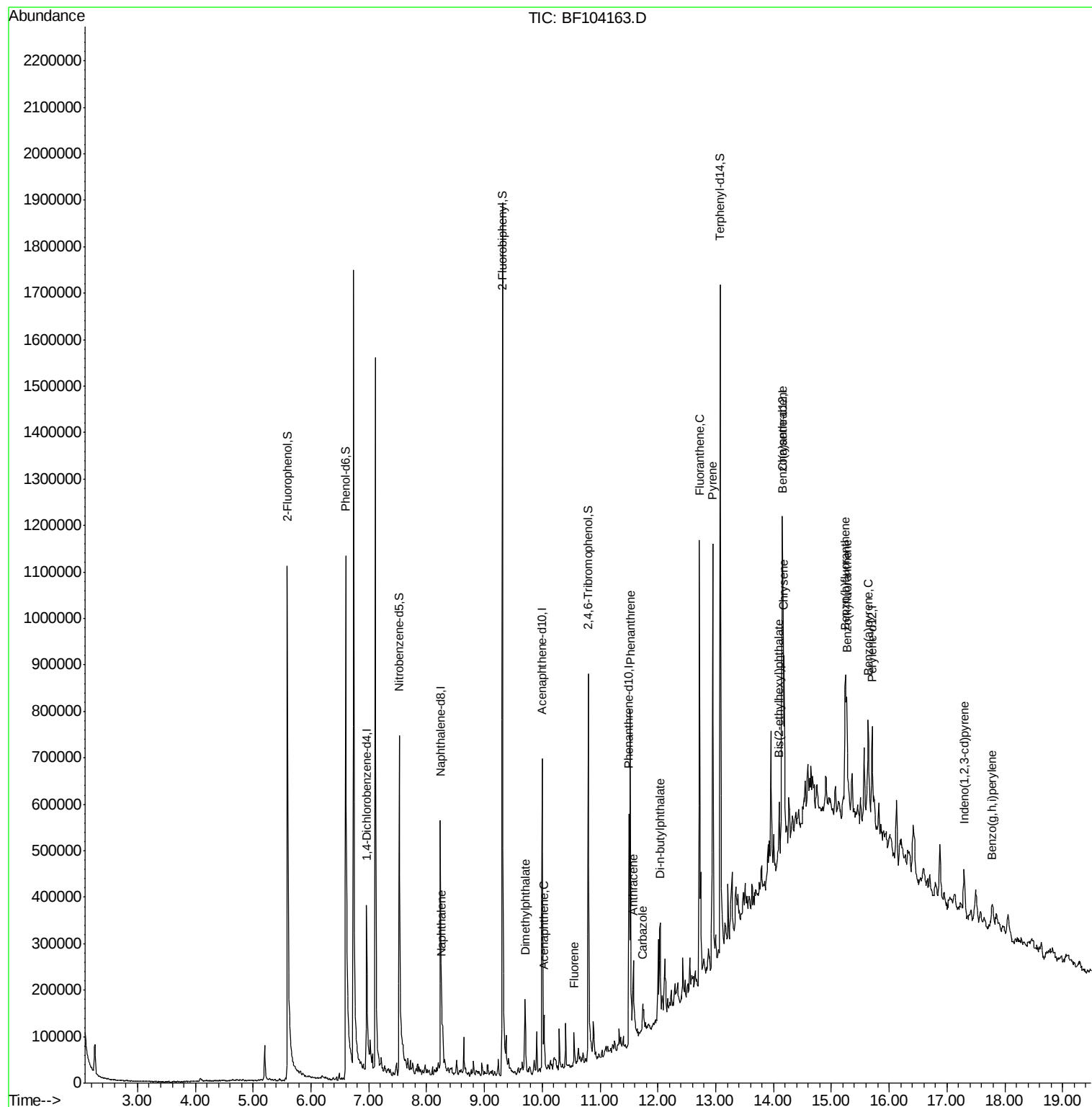
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104163.D
Acq On : 3 Apr 2018 6:09
Operator : JU/SJ
Sample : J2121-16
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
PA-04-COMP

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM

Quant Time: Apr 03 07:03:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 02 13:40:00 2018
Response via : Initial Calibration





#1

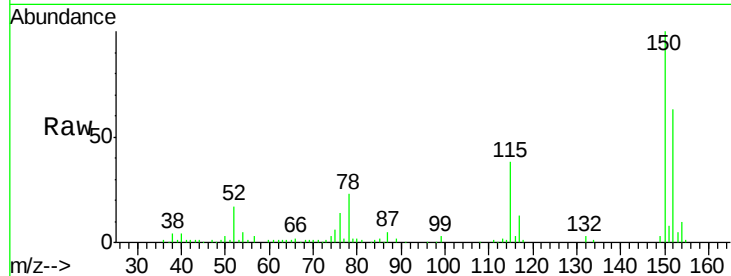
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Instrument :
BNA_F
ClientSampleId :
PA-04-COMP

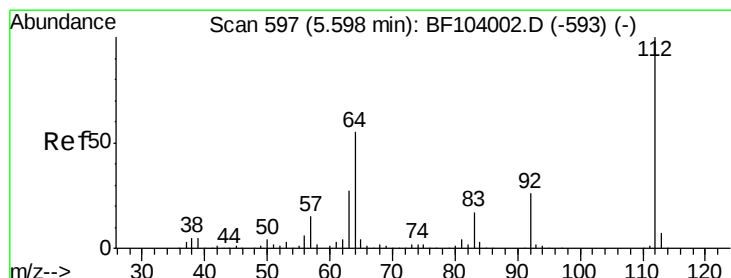
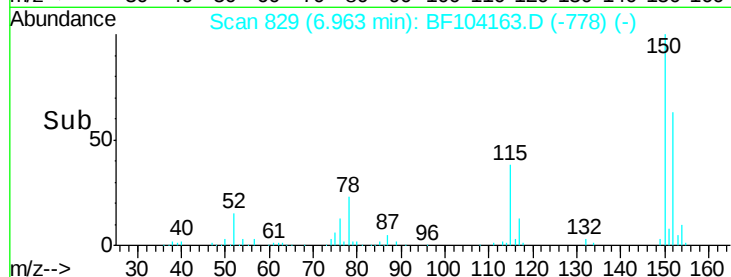
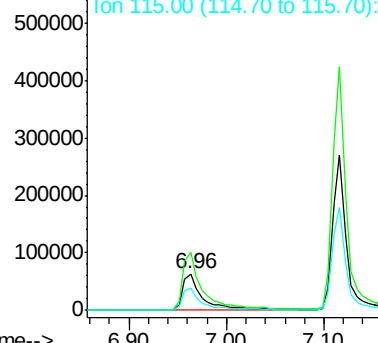
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



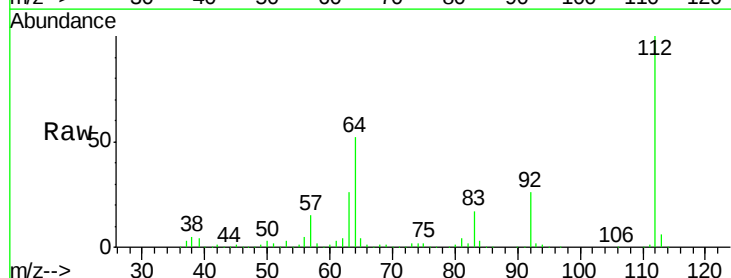
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



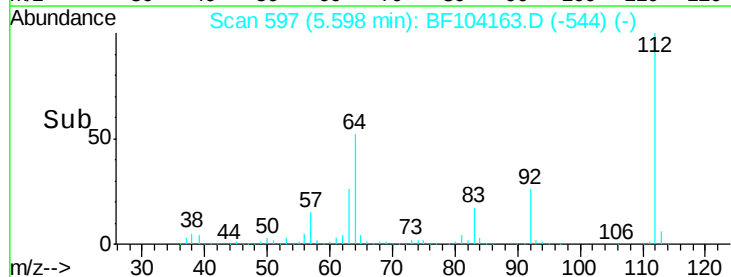
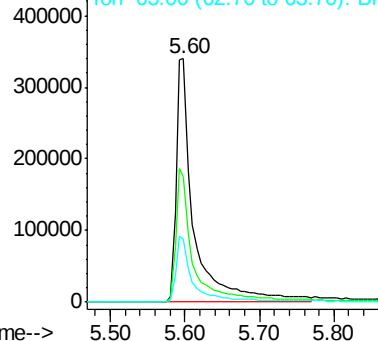
#5

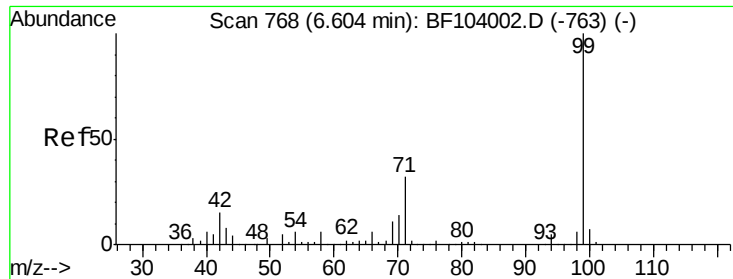
2-Fluorophenol
Concen: 93.746 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	25.7	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: 99.654 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

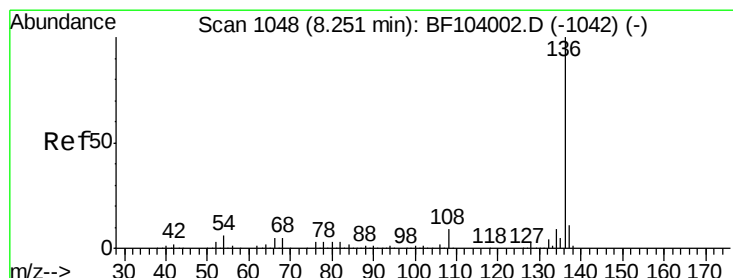
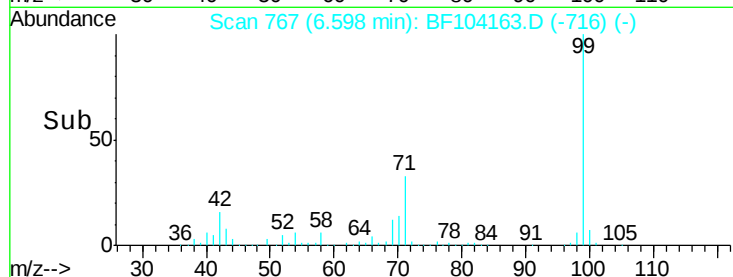
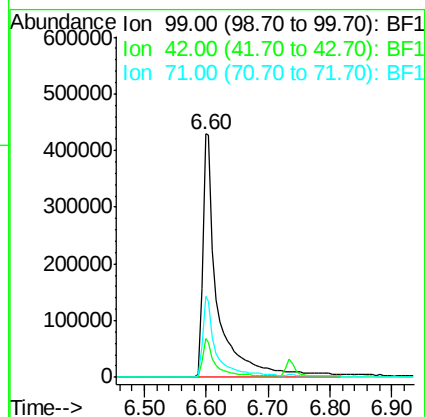
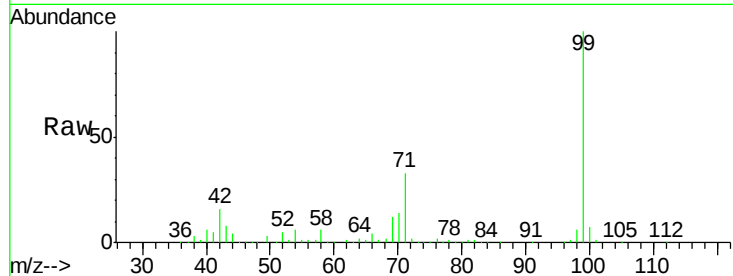
ClientSampleId :

PA-04-COMP

Tot Ion:	99	Resp:	746729
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	33.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

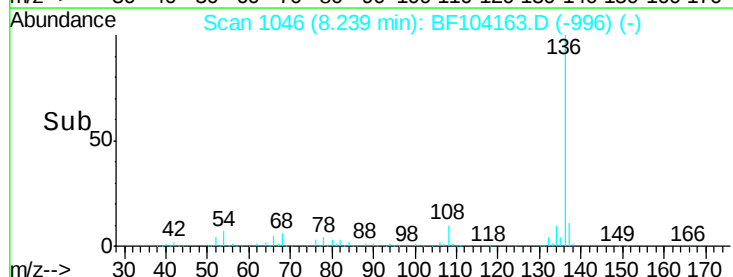
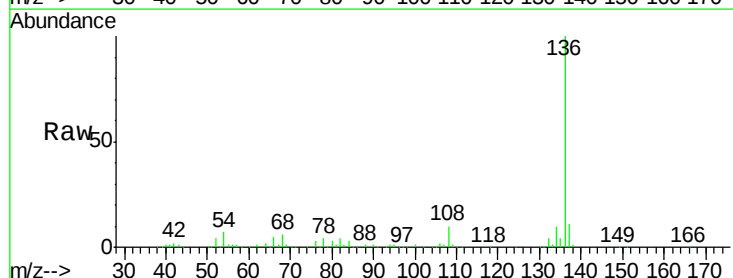
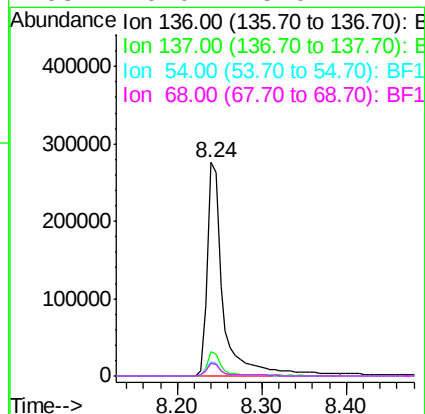
RT: 8.24 min Scan# 1046

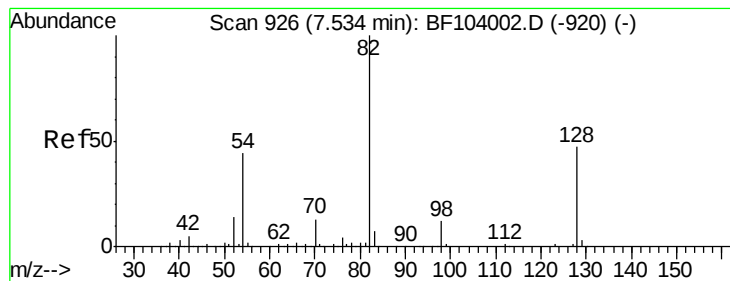
Delta R.T. -0.01 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	136	Resp:	366681
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 72.120 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

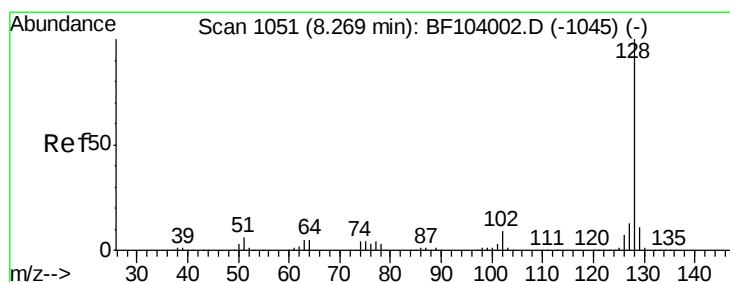
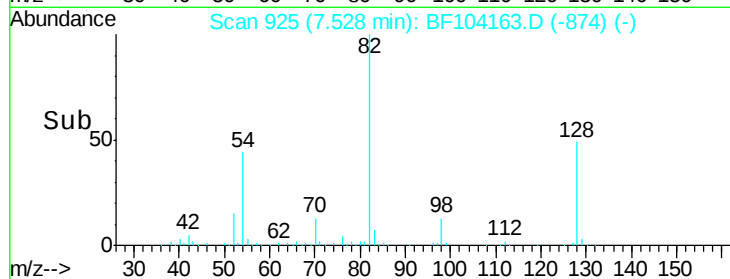
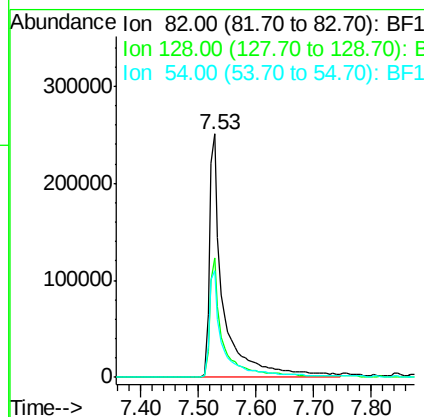
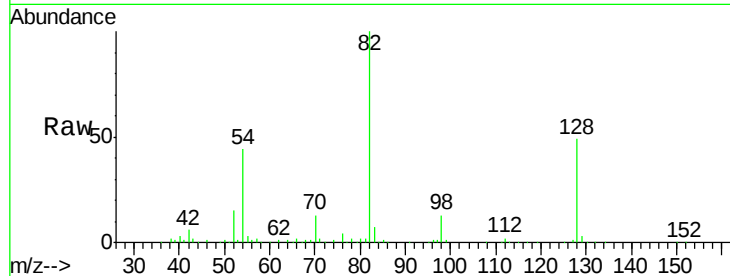
ClientSampleId :

PA-04-COMP

Tot Ion:	82	Resp:	432423
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	44.1	41.4	62.2

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



#31

Naphthalene

Concen: 2.677 ng

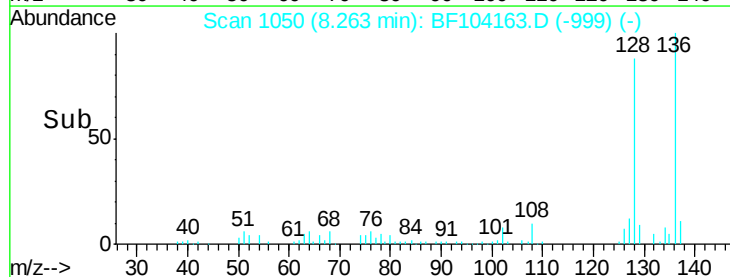
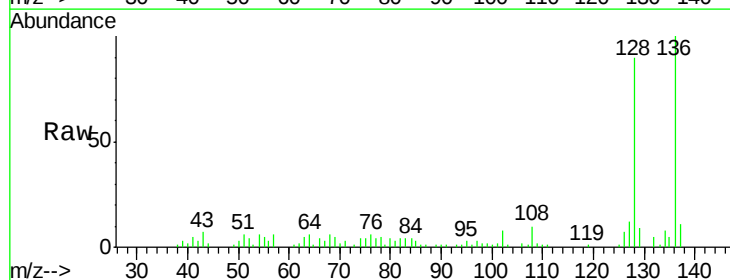
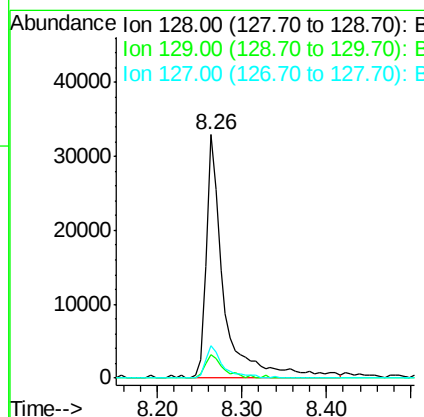
RT: 8.26 min Scan# 1050

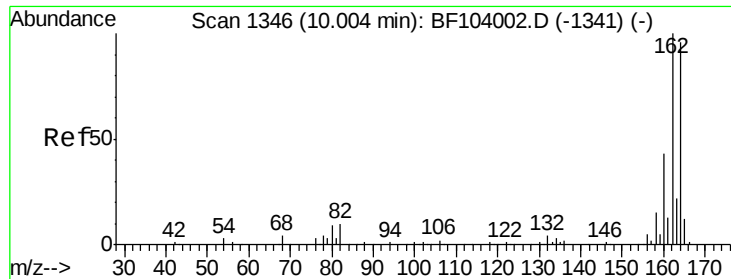
Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	128	Resp:	47953
Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.8	13.2
127	13.2	10.9	16.3





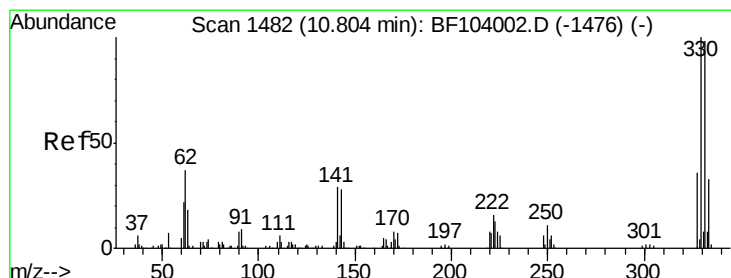
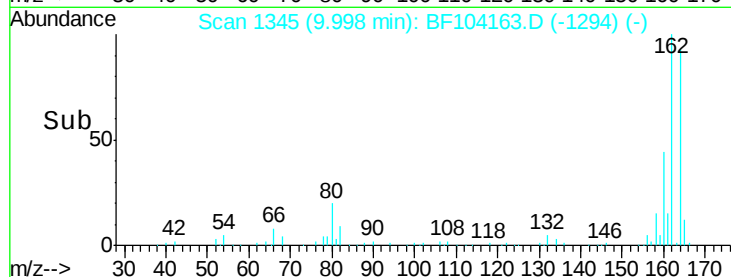
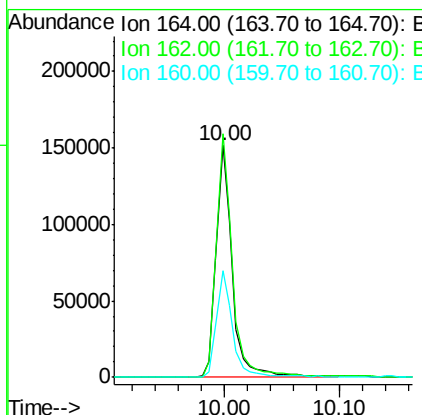
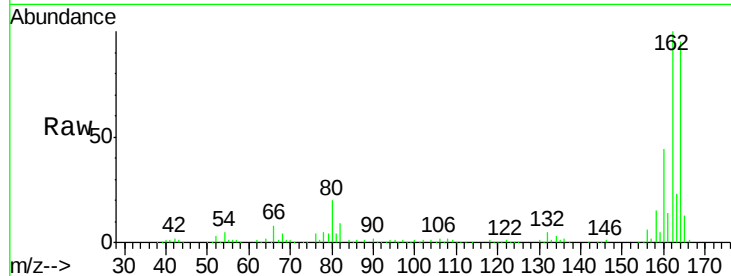
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Instrument :
BNA_F
ClientSampleId :
PA-04-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	46.2	38.3	57.5

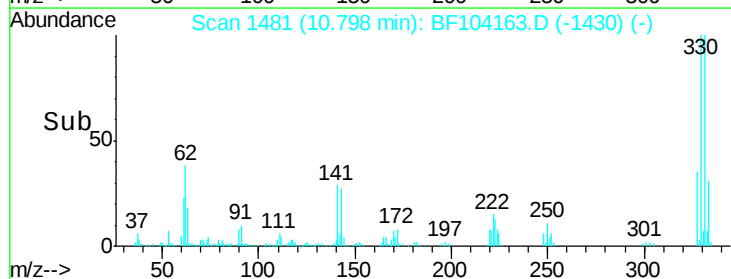
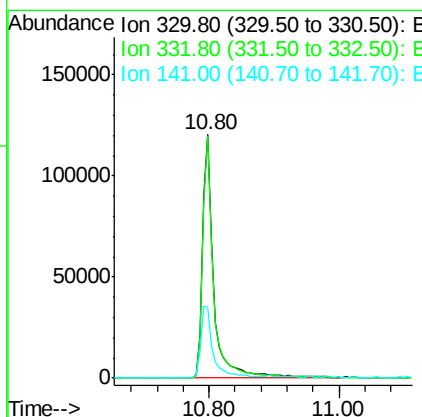
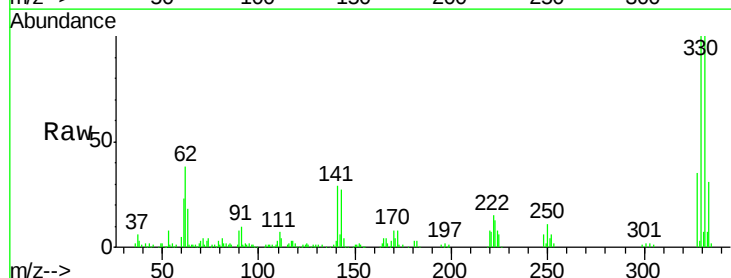
Manual Integrations
APPROVED

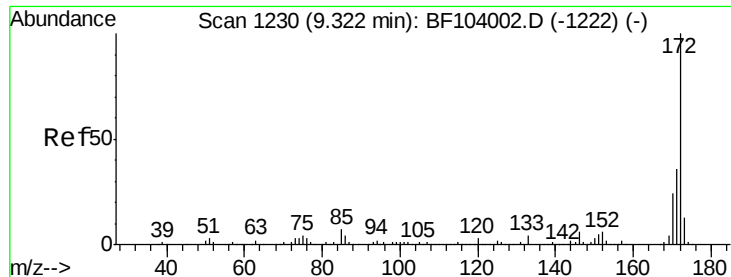
Sohil
4/3/2018 2:28:13 PM



#41
2,4,6-Tribromophenol
Concen: 88.634 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	32.5	29.9	44.9





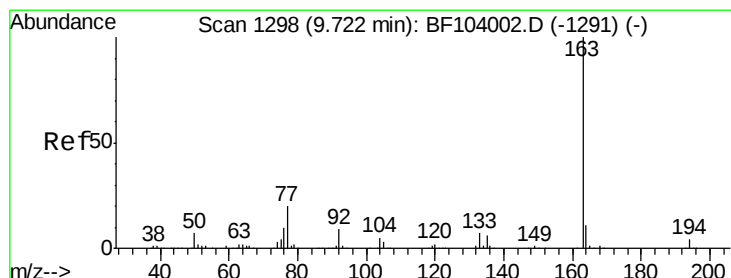
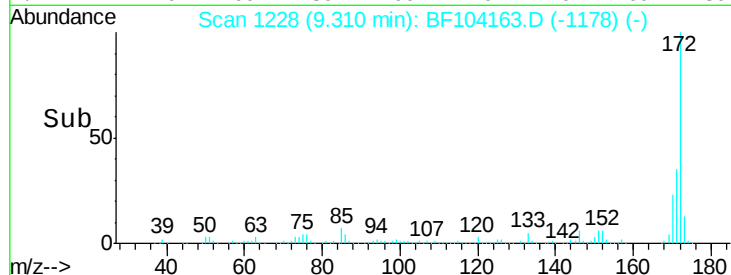
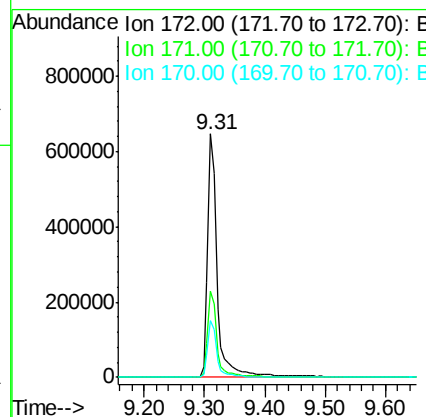
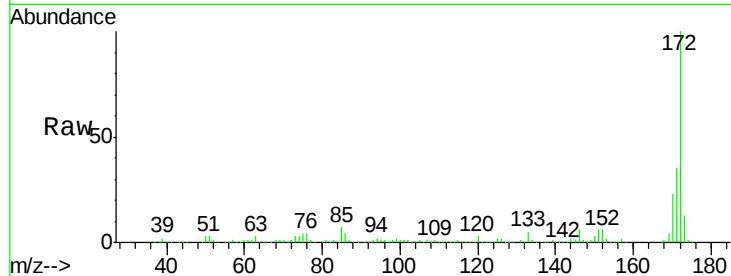
#44
2-Fluorobiphenyl
Concen: 77.285 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Instrument :
BNA_F
ClientSampleId :
PA-04-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.5	19.6	29.4

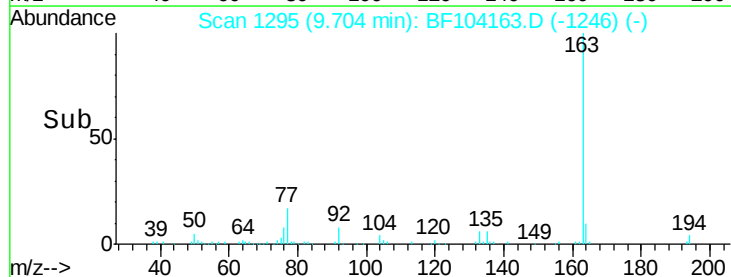
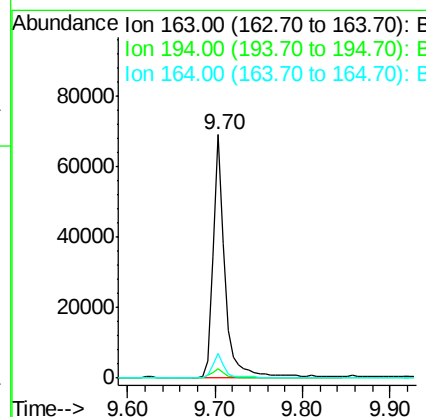
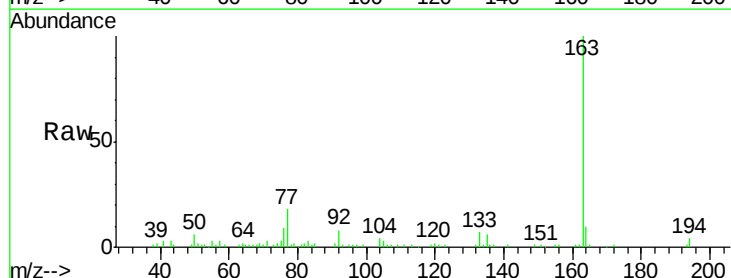
Manual Integrations
APPROVED

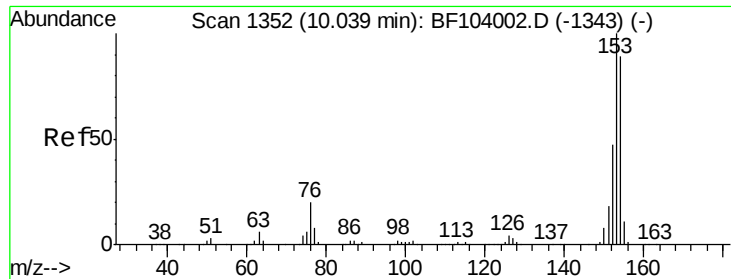
Sohil
4/3/2018 2:28:13 PM



#49
Dimethylphthalate
Concen: 5.740 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2





#51

Acenaphthene

Concen: 2.903 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

ClientSampleId :

PA-04-COMP

Tot Ion:154 Resp: 25432

Ion Ratio Lower Upper

154 100

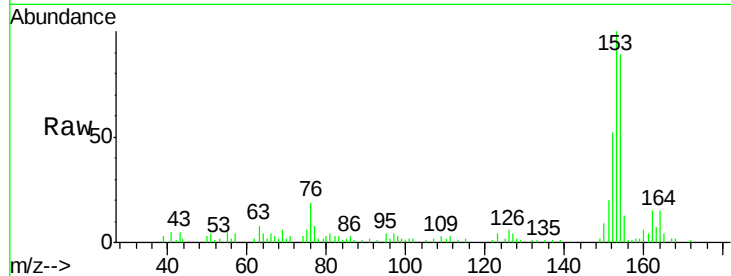
153 111.8 91.2 136.8

152 57.9 43.8 65.8

Manual Integrations
APPROVED

Sohil

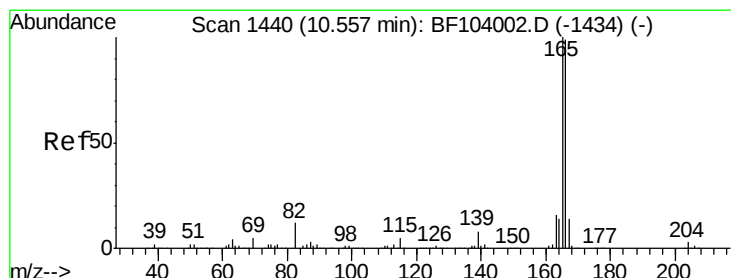
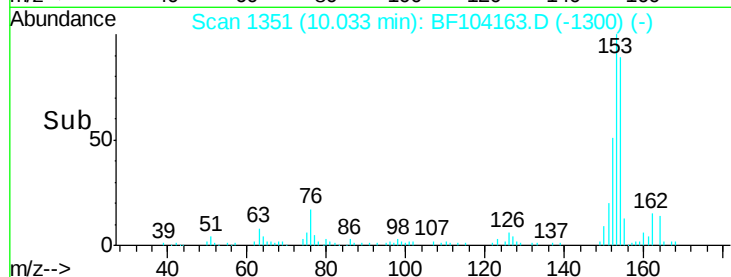
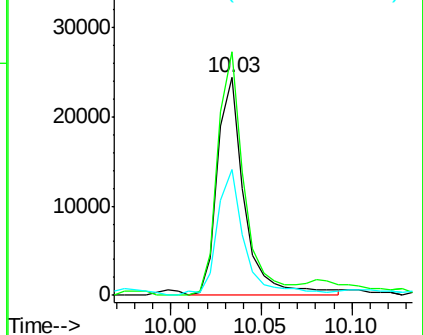
4/3/2018 2:28:13 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.910 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

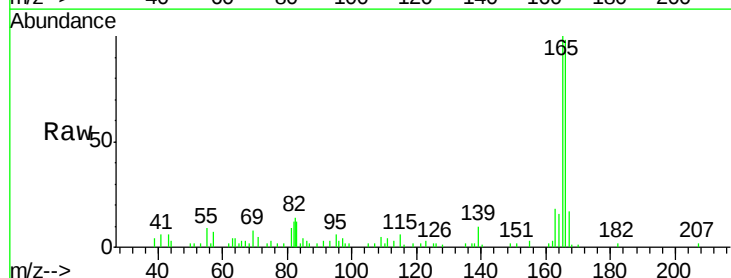
Tgt Ion:166 Resp: 30705

Ion Ratio Lower Upper

166 100

165 101.8 79.8 119.8

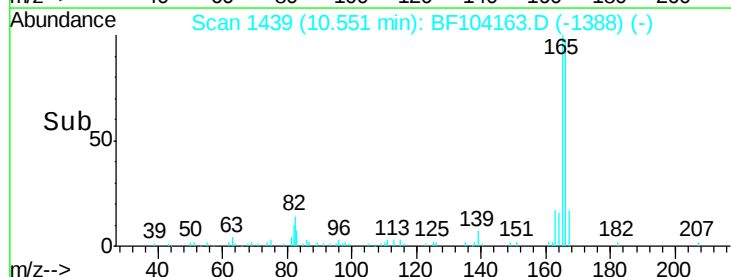
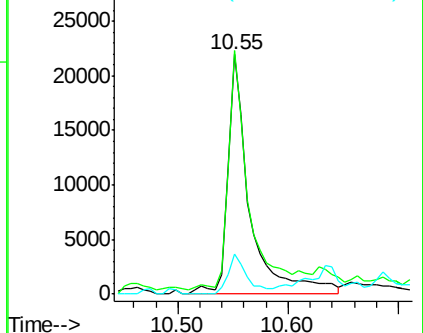
167 16.9 10.6 16.0#

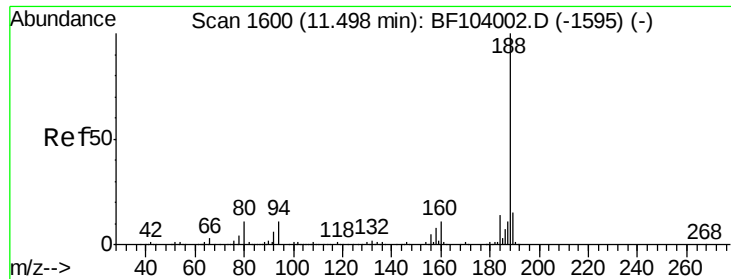


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

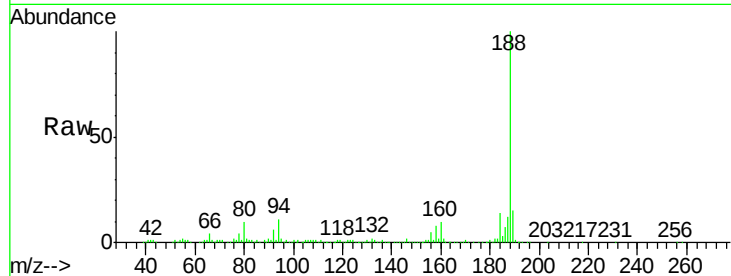
ClientSampleId :

PA-04-COMP

Tot Ion:	188	Resp:	233832
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	10.3	9.2	13.8

Manual Integrations
APPROVED

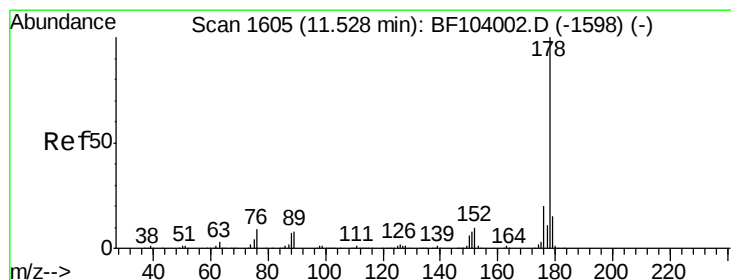
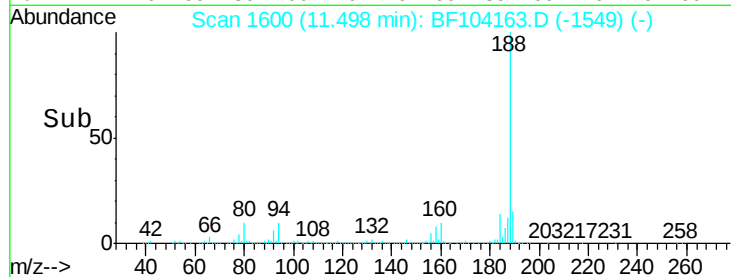
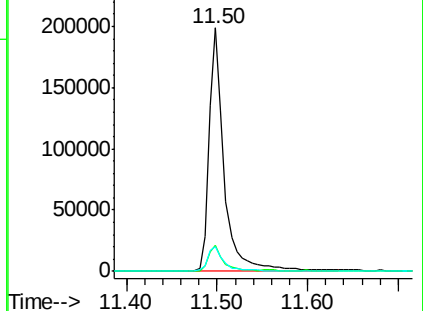
Sohil
4/3/2018 2:28:13 PM



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



#70

Phenanthrene

Concen: 23.232 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BF104163.D

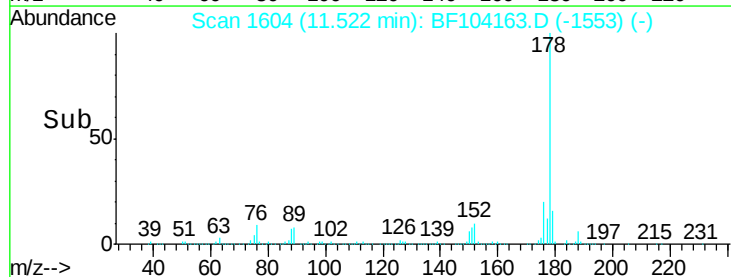
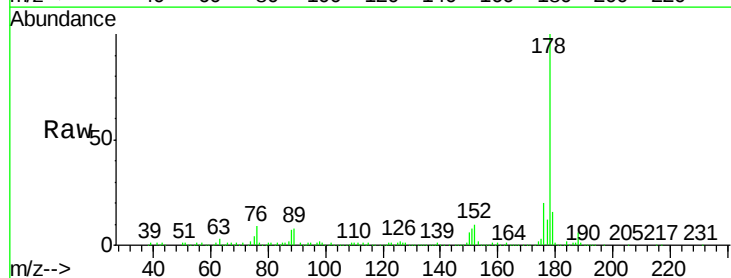
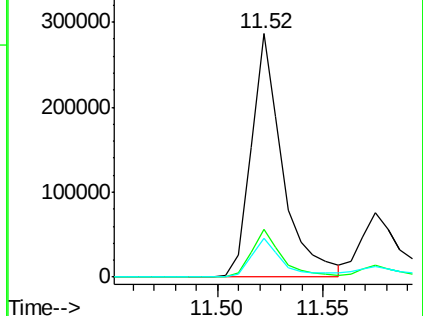
Acq: 3 Apr 2018 6:09

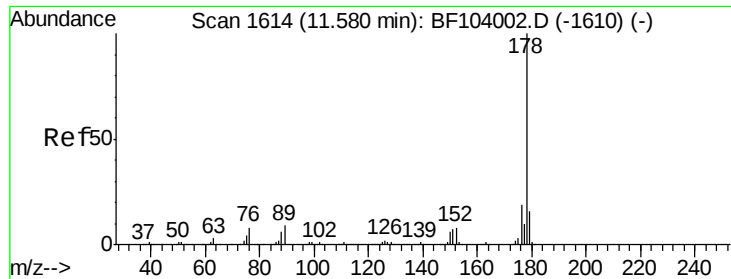
Tgt Ion:	178	Resp:	294114
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	16.2	13.0	19.6

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





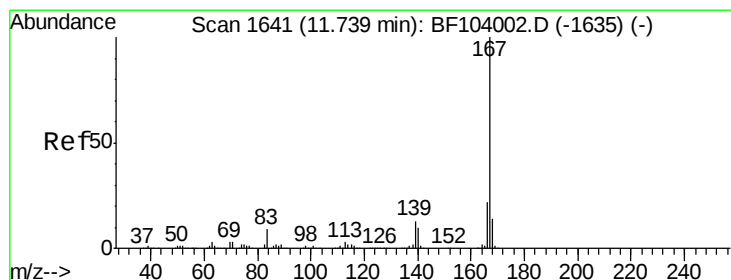
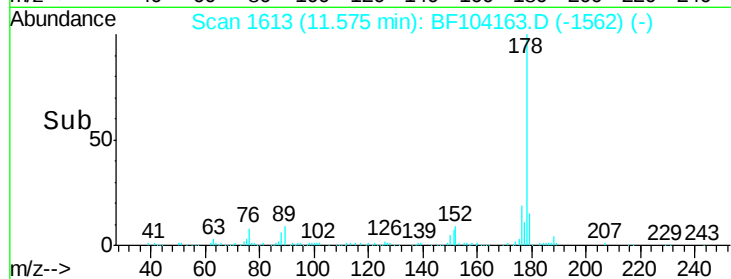
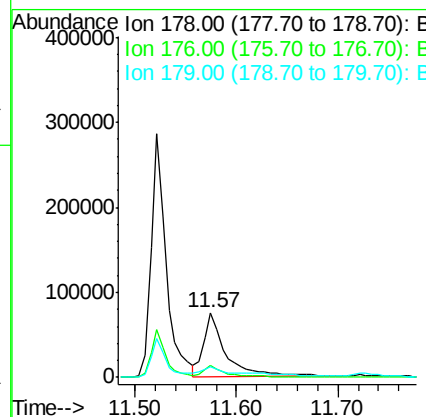
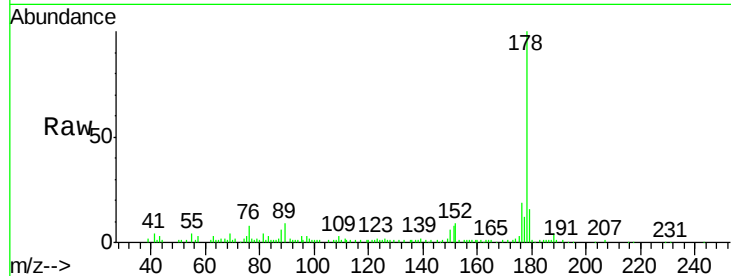
#71
 Anthracene
 Concen: 8.671 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104163.D
 Acq: 3 Apr 2018 6:09

Instrument :
 BNA_F
 ClientSampleId :
 PA-04-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.1	12.6	19.0

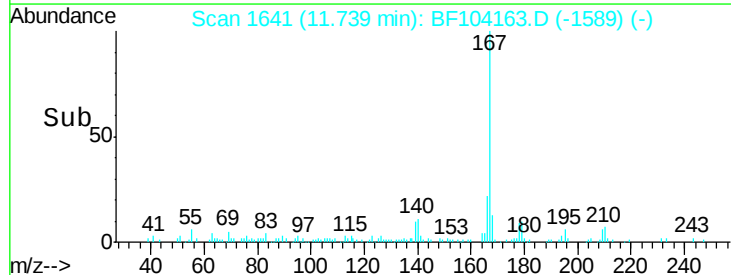
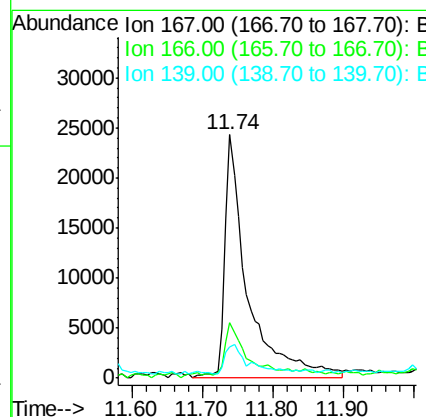
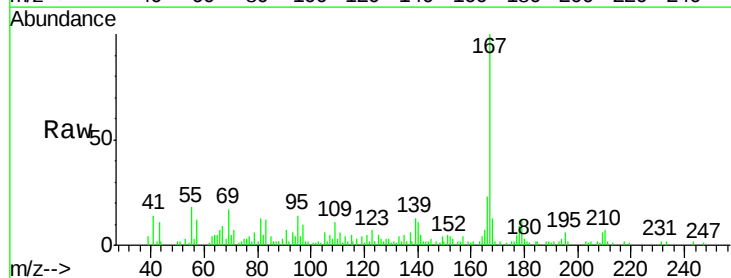
Manual Integrations
 APPROVED

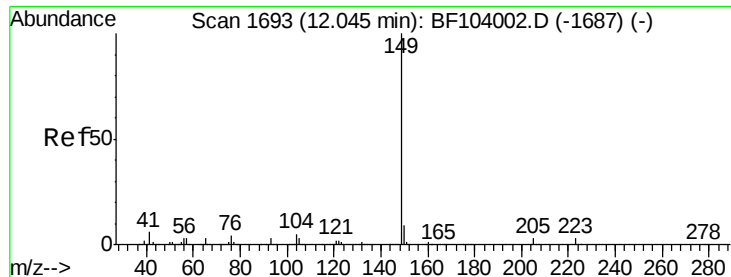
Sohil
 4/3/2018 2:28:13 PM



#72
 Carbazole
 Concen: 4.366 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104163.D
 Acq: 3 Apr 2018 6:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	12.6	10.9	16.3





#73

Di-n-butylphthalate

Concen: 5.255 ng

RT: 12.04 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

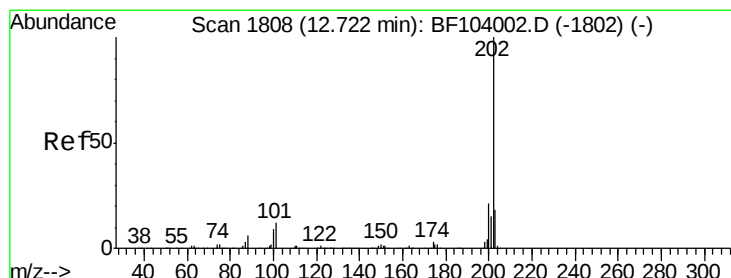
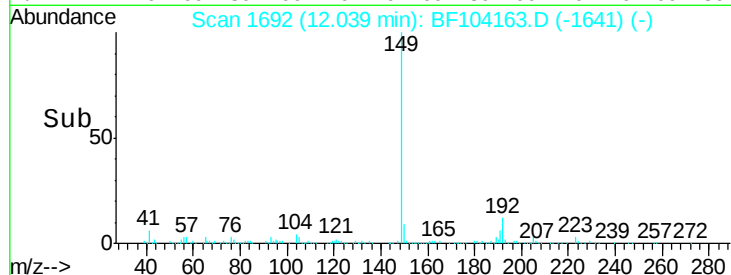
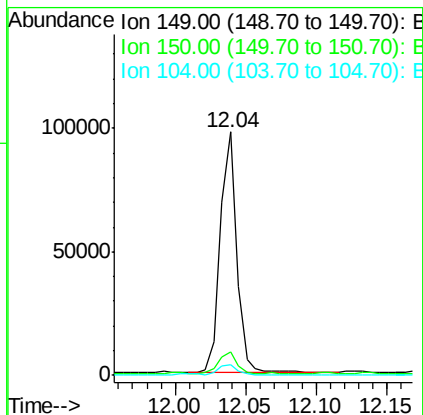
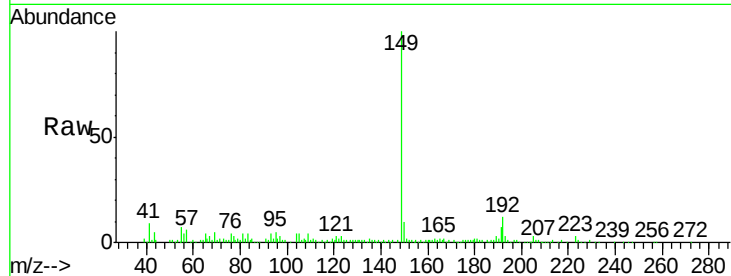
ClientSampleId :

PA-04-COMP

Tot Ion:	149	Resp:	79007
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.8	11.6
104	4.3	3.8	5.8

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



#74

Fluoranthene

Concen: 35.880 ng

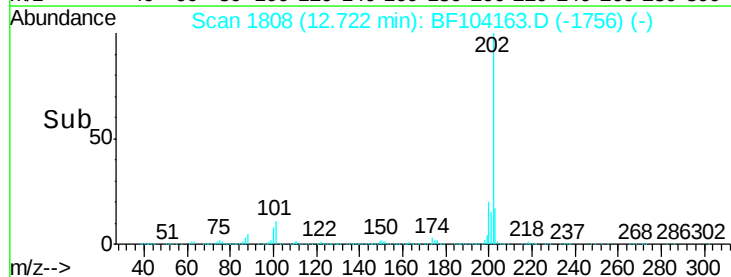
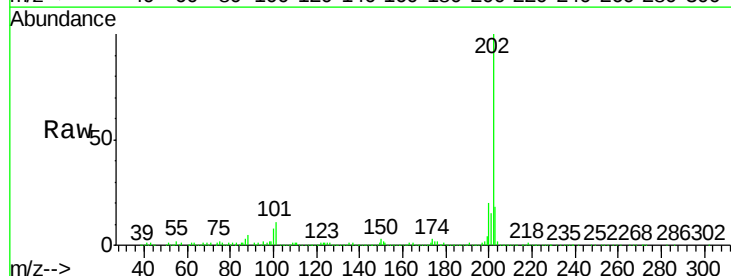
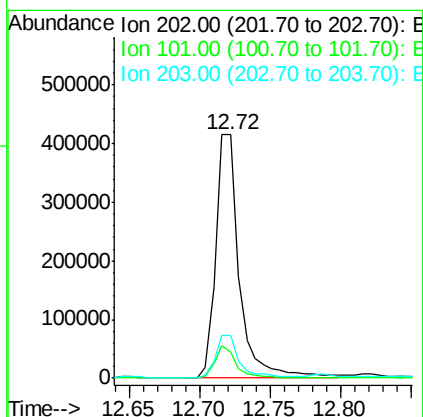
RT: 12.72 min Scan# 1808

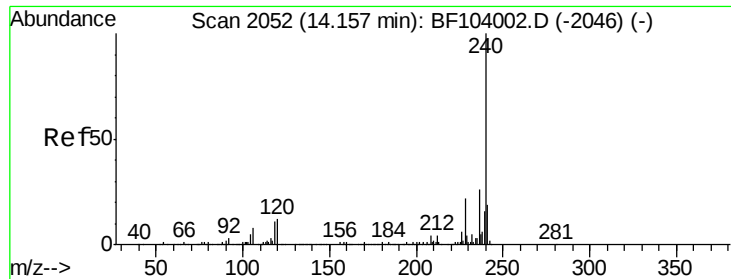
Delta R.T. 0.01 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	202	Resp:	482834
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

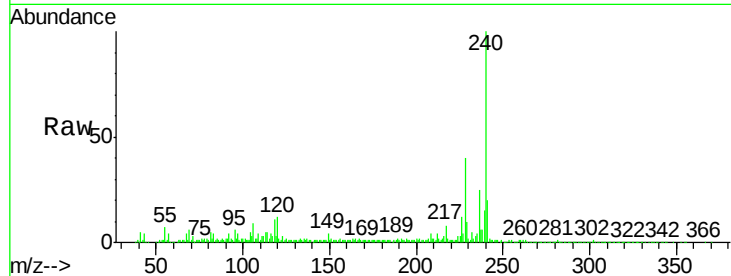
ClientSampleId :

PA-04-COMP

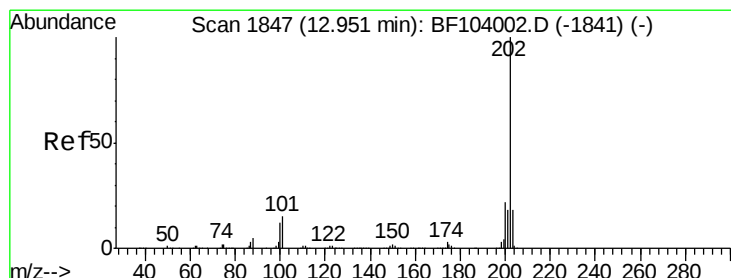
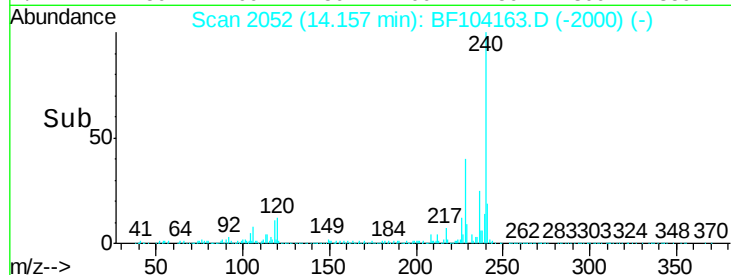
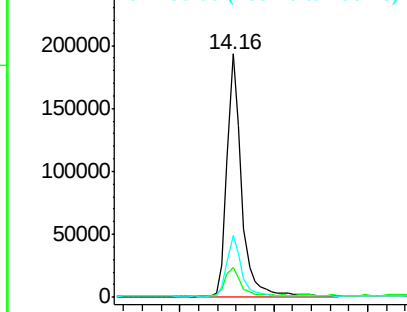
Tot Ion:	240	Resp:	209433
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



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



#77

Pyrene

Concen: 27.777 ng

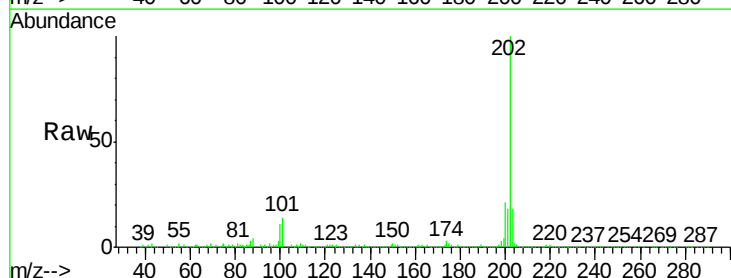
RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

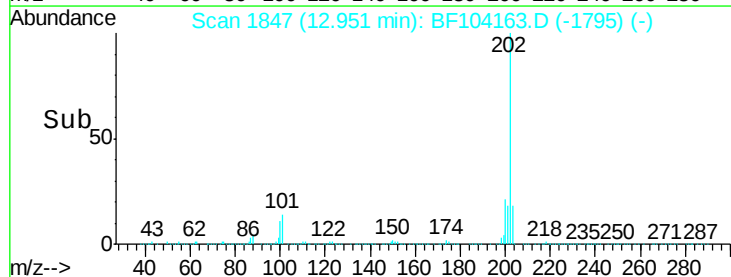
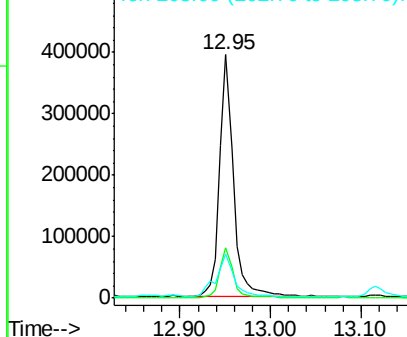
Lab File: BF104163.D

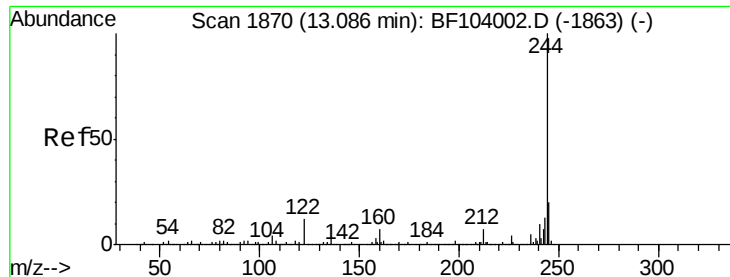
Acq: 3 Apr 2018 6:09

Tgt Ion:	202	Resp:	418197
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.2	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.594 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

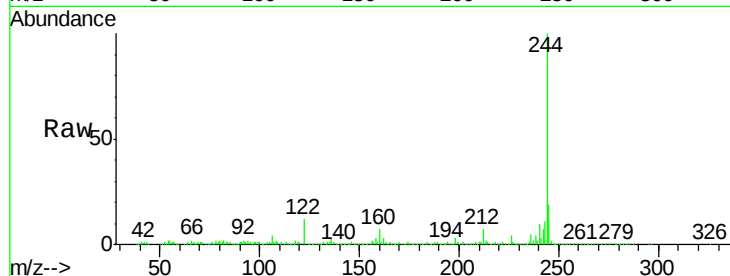
ClientSampleId :

PA-04-COMP

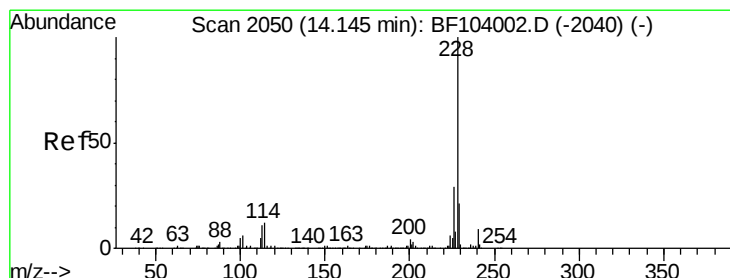
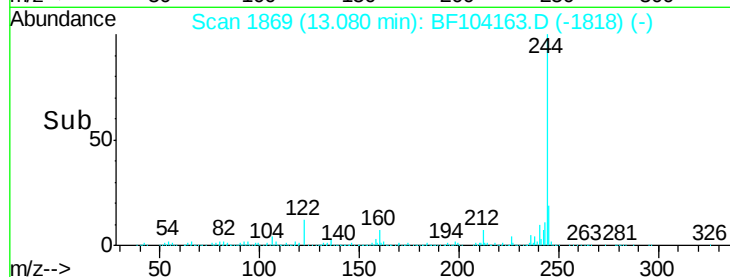
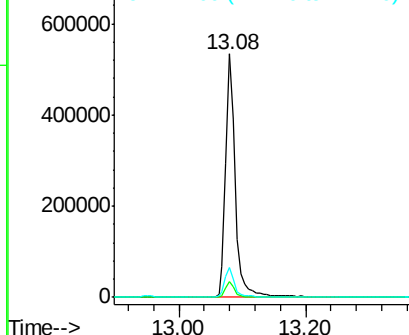
Tot Ion:	244	Resp:	567761
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.3	11.0	16.4

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 17.834 ng

RT: 14.14 min Scan# 2050

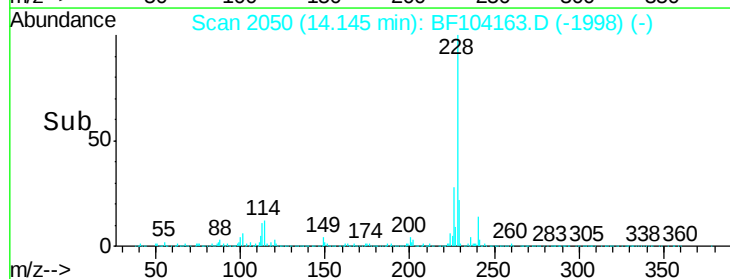
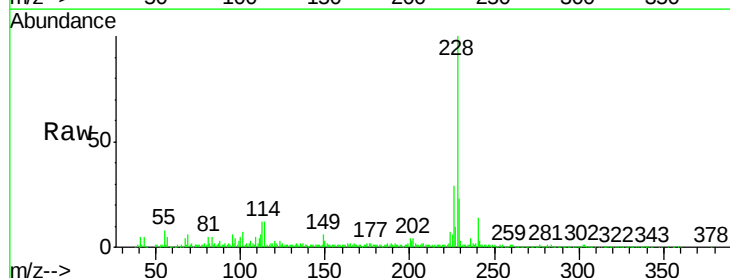
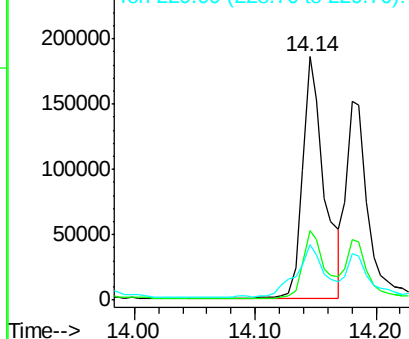
Delta R.T. 0.01 min

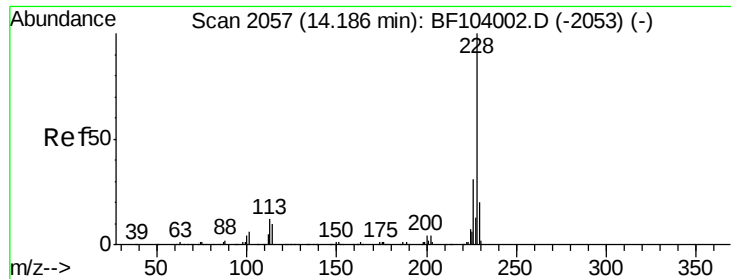
Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	228	Resp:	233707
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	22.6	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.528 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

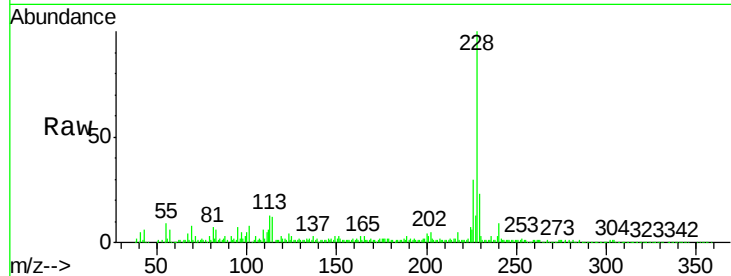
ClientSampleId :

PA-04-COMP

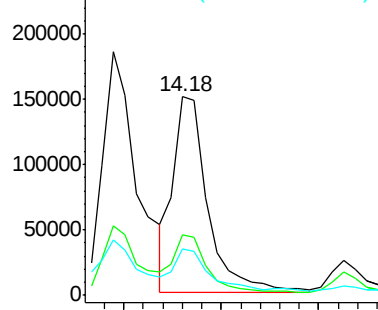
Tot Ion:	228	Resp:	186476
Ion Ratio		Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.3	16.2	24.4

Manual Integrations
APPROVED

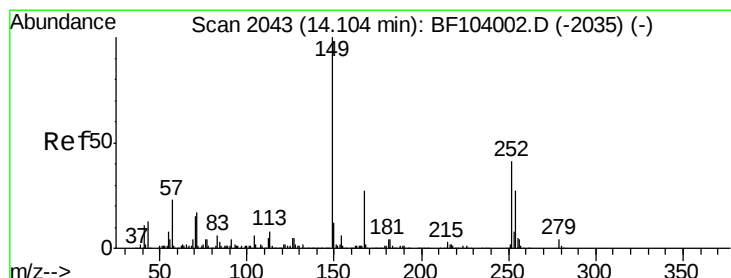
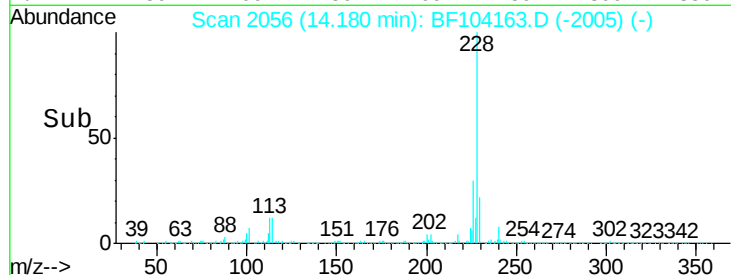
Sohil
4/3/2018 2:28:13 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.258 ng

RT: 14.10 min Scan# 2042

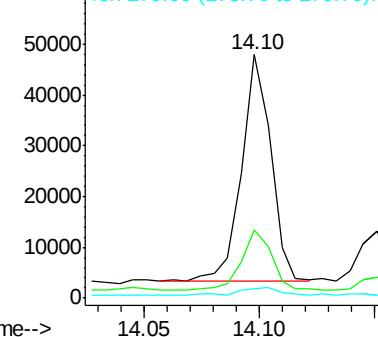
Delta R.T. -0.00 min

Lab File: BF104163.D

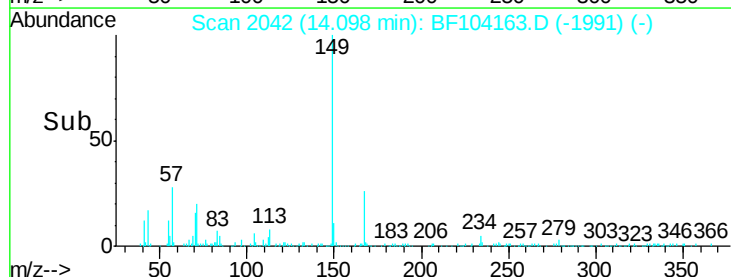
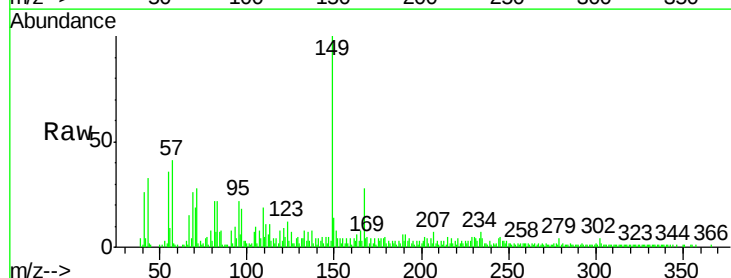
Acq: 3 Apr 2018 6:09

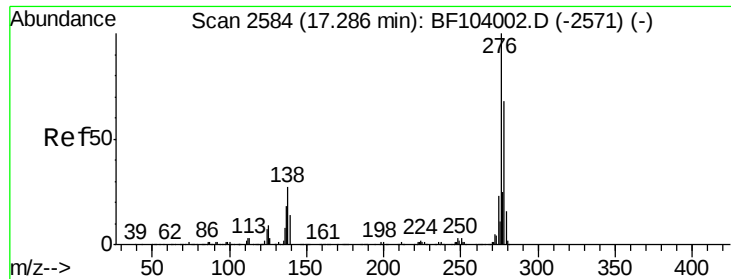
Tgt Ion:	149	Resp:	39026
Ion Ratio		Lower	Upper
149	100		
167	28.0	21.3	31.9
279	3.9	3.0	4.4

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





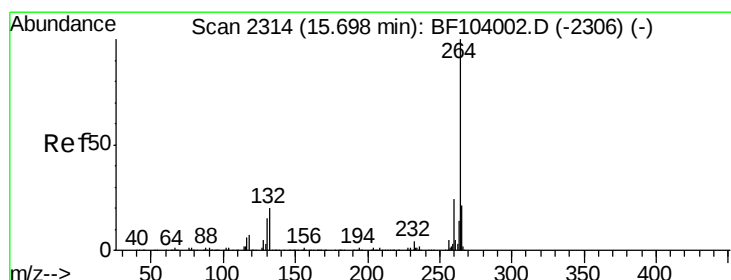
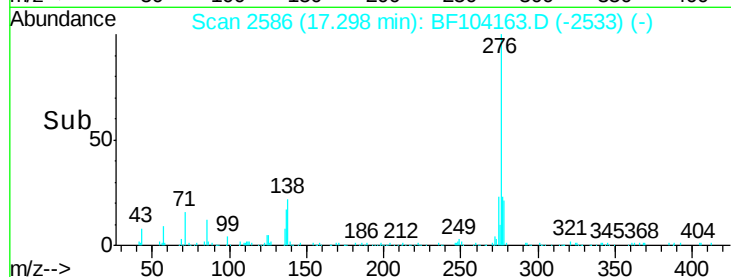
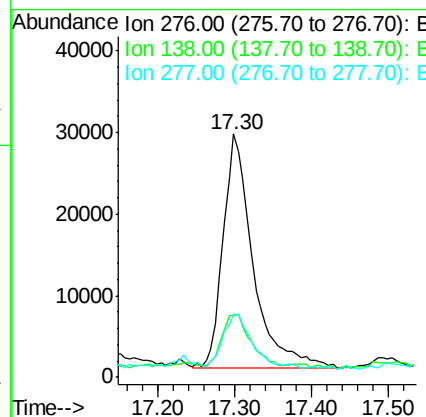
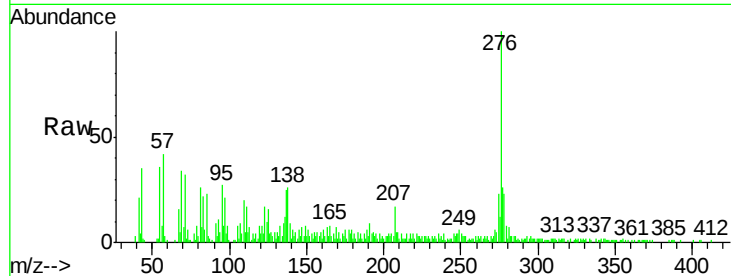
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.776 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Instrument :
BNA_F
ClientSampleId :
PA-04-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	20.1	20.1	30.1

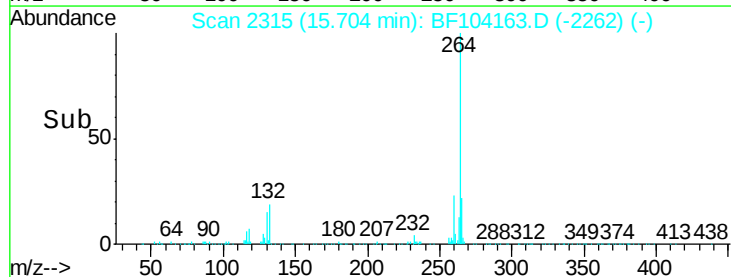
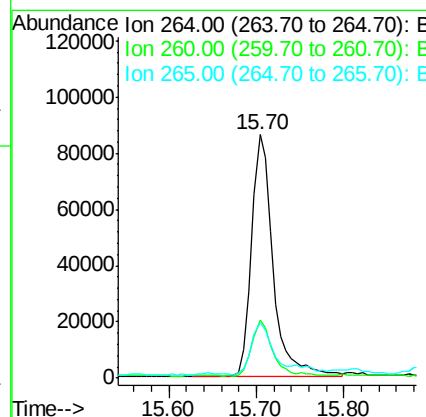
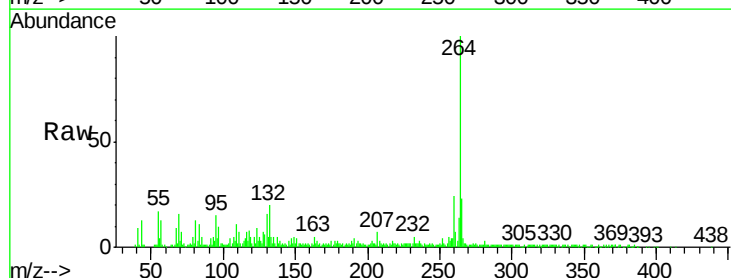
Manual Integrations
APPROVED

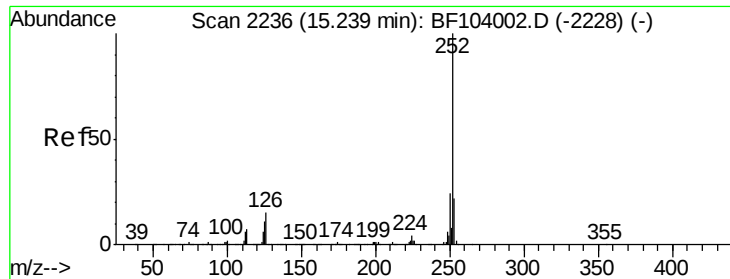
Sohil
4/3/2018 2:28:13 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104163.D
Acq: 3 Apr 2018 6:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 22.245 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

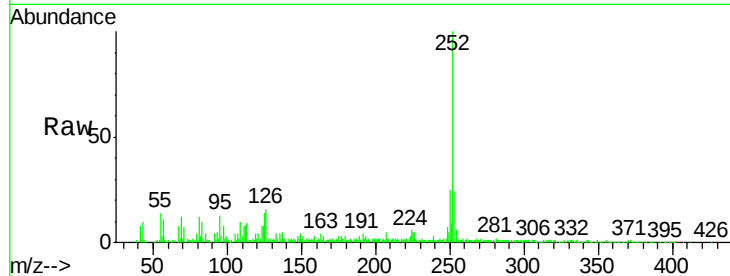
ClientSampleId :

PA-04-COMP

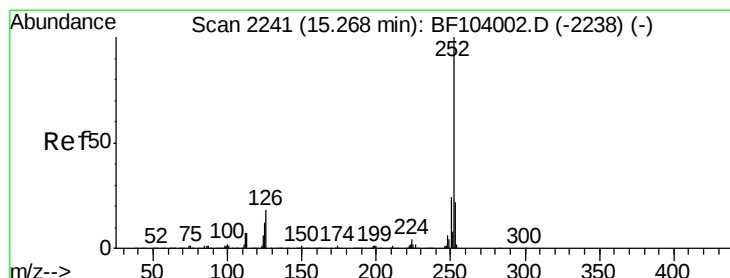
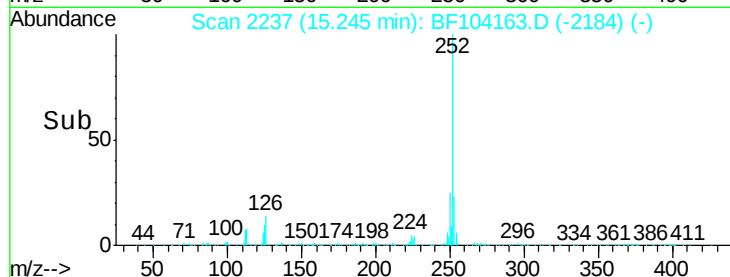
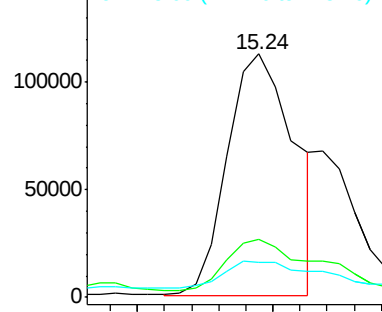
Tot Ion:	252	Resp:	193065
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	14.3	9.0	13.6#

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 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: 9.275 ng m

RT: 15.27 min Scan# 2241

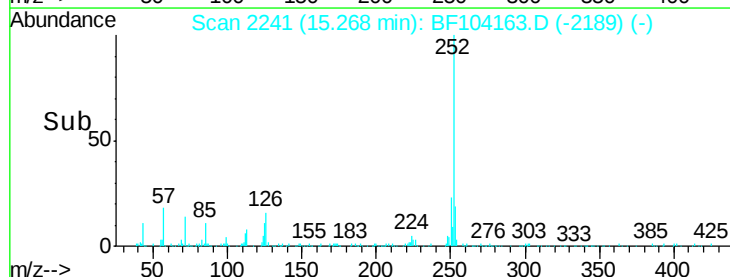
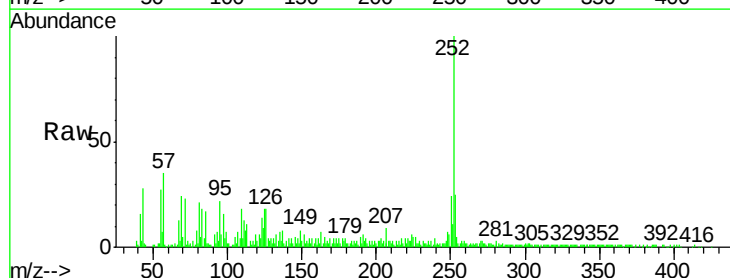
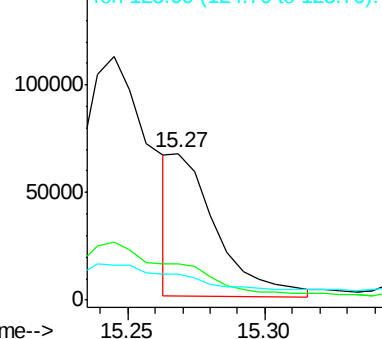
Delta R.T. 0.01 min

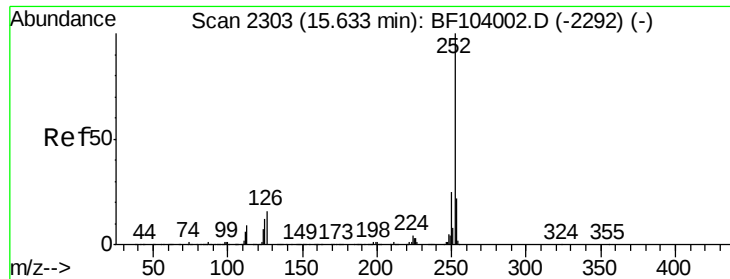
Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	252	Resp:	75832
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	18.0	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: 16.904 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Instrument :

BNA_F

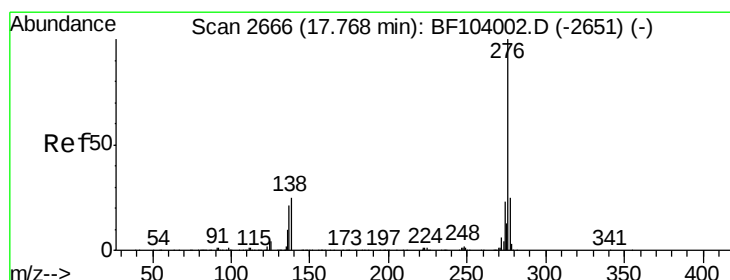
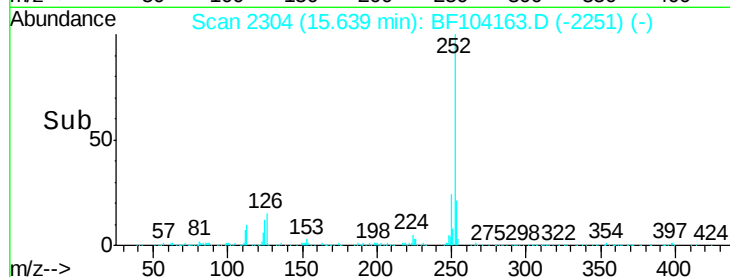
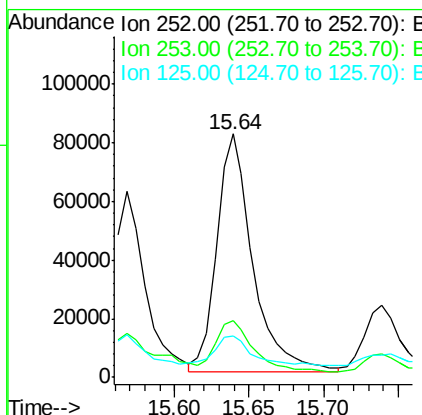
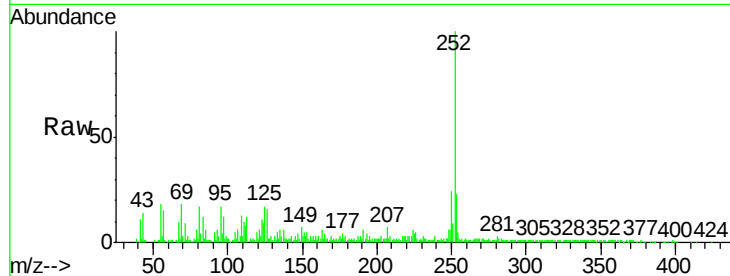
ClientSampleId :

PA-04-COMP

Tot Ion:	252	Resp:	135954
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	17.1	9.8	14.6#

Manual Integrations
APPROVED

Sohil
4/3/2018 2:28:13 PM



#91

Benzo(g,h,i)perylene

Concen: 10.194 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BF104163.D

Acq: 3 Apr 2018 6:09

Tgt Ion:	276	Resp:	75931
Ion Ratio	Lower	Upper	
276	100		
277	27.5	17.9	26.9#
138	25.5	21.8	32.8

