

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102213.D
 Acq On : 19 Jan 2018 10:42
 Operator : SJ/JU
 Sample : J1168-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0-DUP

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:23:48 PM

Quant Time: Jan 19 13:51:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154982	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	599286	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	244981	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	367362	20.00	ng	0.00
75) Chrysene-d12	13.87	240	293864	20.00	ng	0.00
86) Perylene-d12	15.29	264	231112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	907823	82.71	ng	0.00
7) Phenol-d6	6.36	99	1074595	82.06	ng	0.00
23) Nitrobenzene-d5	7.29	82	661453	64.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	193156	90.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1122053	71.55	ng	0.00
78) Terphenyl-d14	12.83	244	814830	57.57	ng	0.00
Target Compounds						
10) Phenol	6.37	94	47174	3.188	ng	97
49) Dimethylphthalate	9.47	163	161499	8.218	ng	99
70) Phenanthrene	11.26	178	161612	7.531	ng	98
71) Anthracene	11.31	178	46576	2.140	ng	99
74) Fluoranthene	12.45	202	303286	14.365	ng	95
77) Pyrene	12.67	202	281272	10.828	ng	99
80) Benzo(a)anthracene	13.86	228	162023	8.642	ng	98
82) Chrysene	13.90	228	146448	7.491	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	65494	4.789	ng	99
85) Indeno(1,2,3-cd)pyrene	16.67	276	63569	4.467	ng	97
87) Benzo(b)fluoranthene	14.89	252	171638m	11.390	ng	
88) Benzo(k)fluoranthene	14.91	252	61673m	4.243	ng	
89) Benzo(a)pyrene	15.23	252	113281	8.354	ng	# 92
91) Benzo(a,h,i)perylene	17.09	276	58092	5.329	ng	96

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

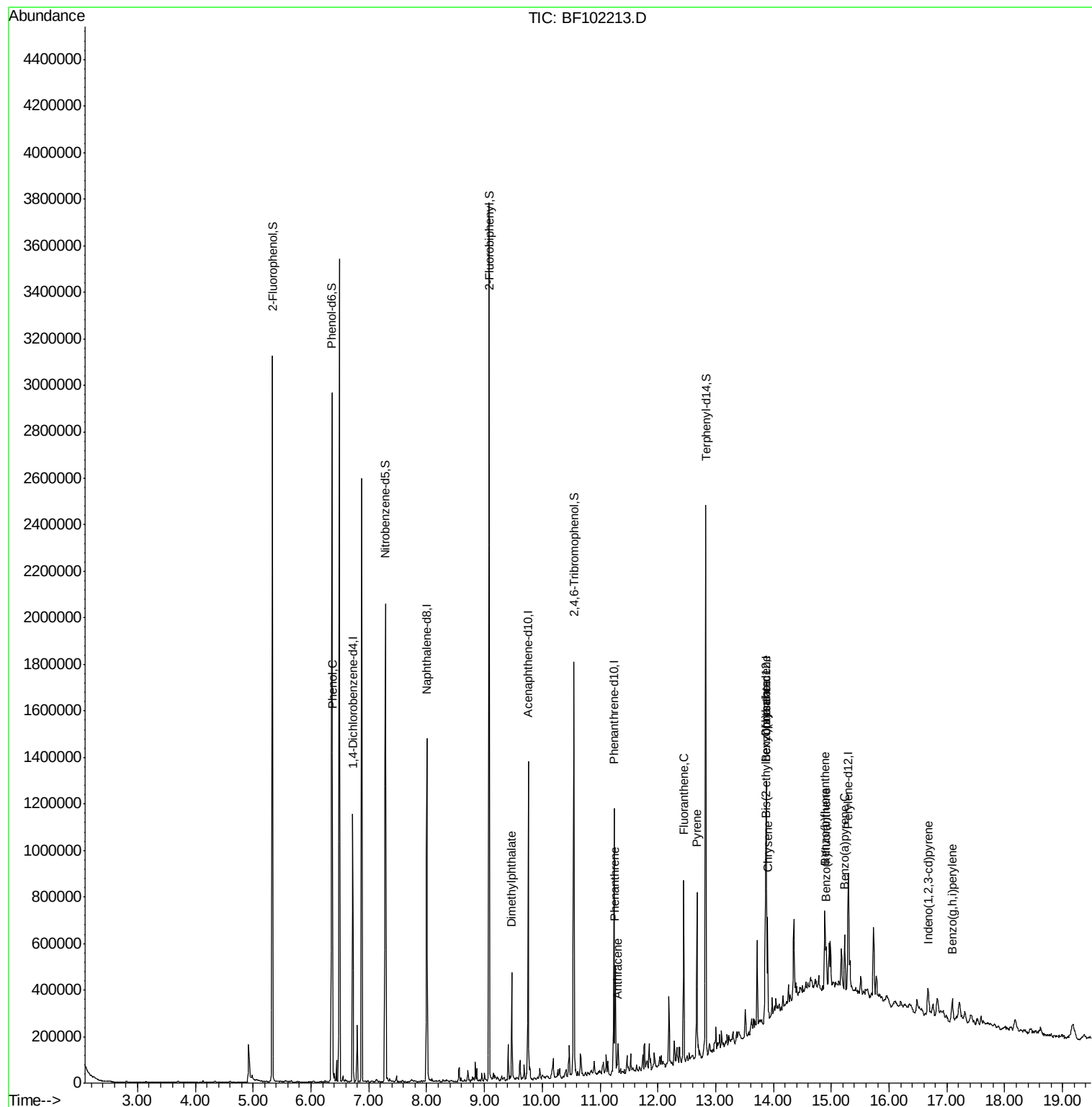
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102213.D
Acq On : 19 Jan 2018 10:42
Operator : SJ/JU
Sample : J1168-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

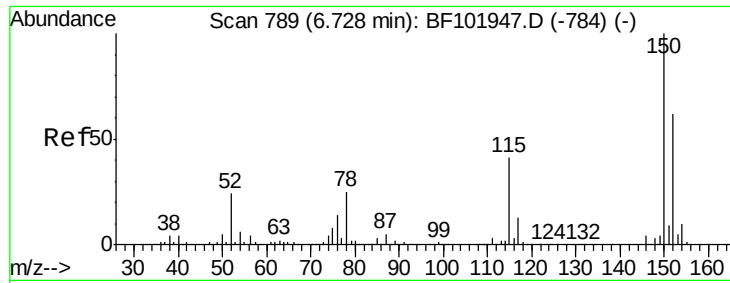
Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM

Quant Time: Jan 19 13:51:48 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration





#1

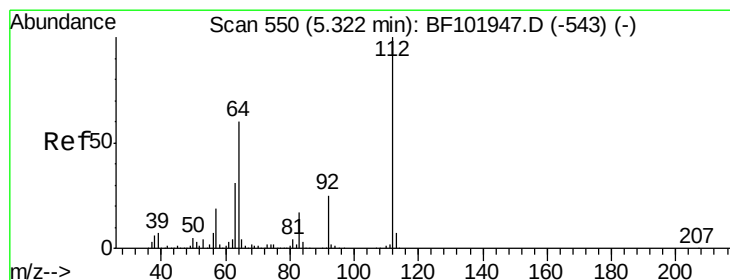
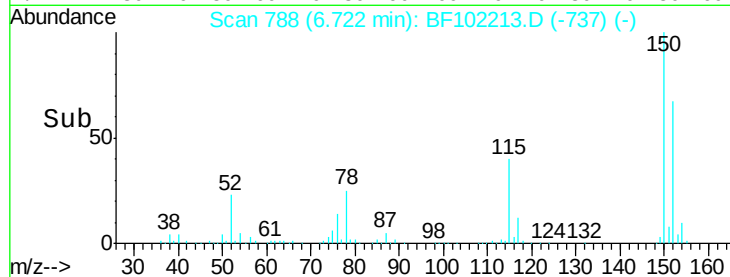
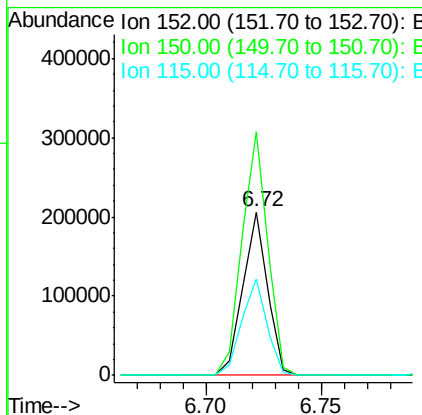
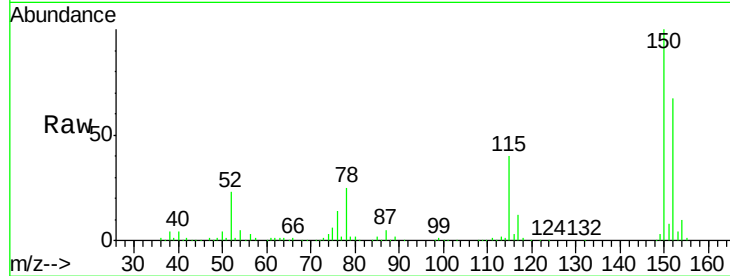
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	124.6	186.8
115	59.3	50.1	75.1

Manual Integrations
APPROVED

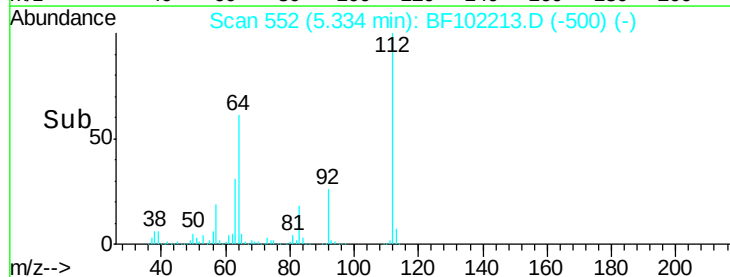
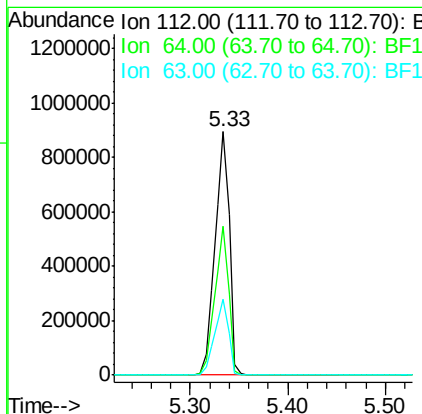
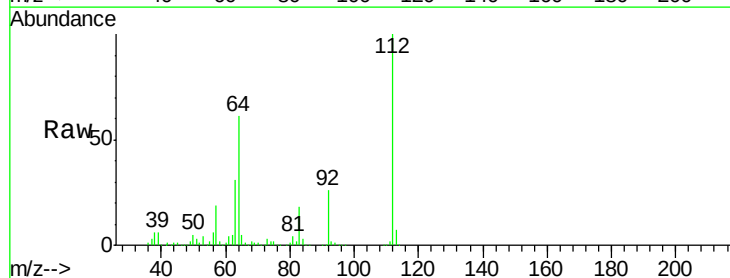
Sohil
1/22/2018 5:23:48 PM

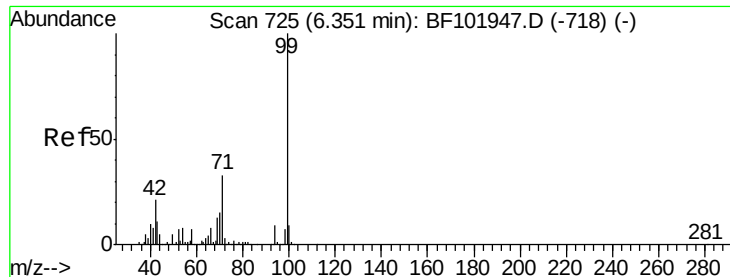


#5

2-Fluorophenol
Concen: 82.714 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 82.063 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

Tot Ion: 99 Resp: 1074595

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

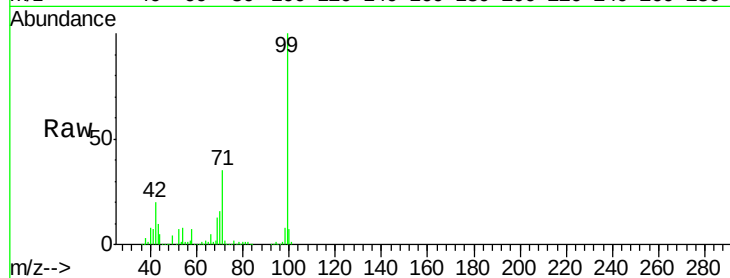
71 34.5 25.4 38.0

Manual Integrations

APPROVED

Sohil

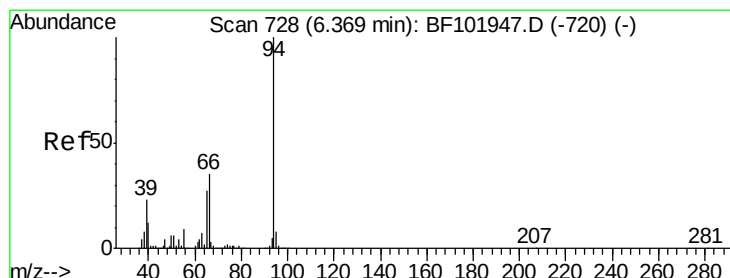
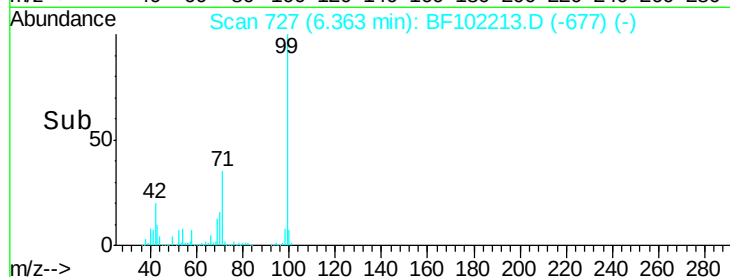
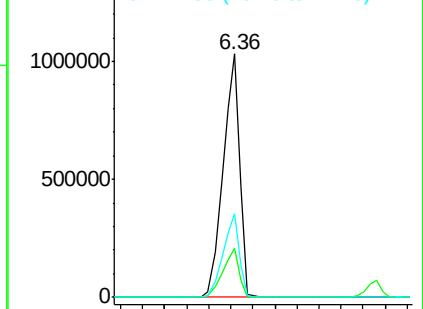
1/22/2018 5:23:48 PM



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



#10

Phenol

Concen: 3.188 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

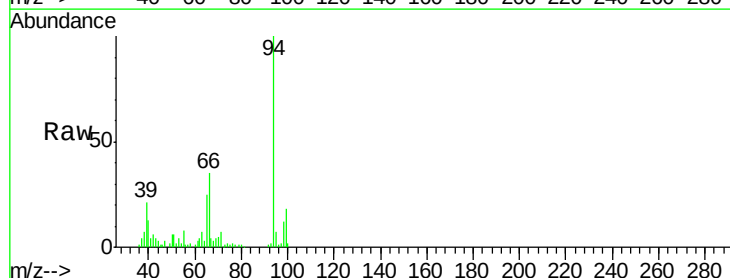
Tgt Ion: 94 Resp: 47174

Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

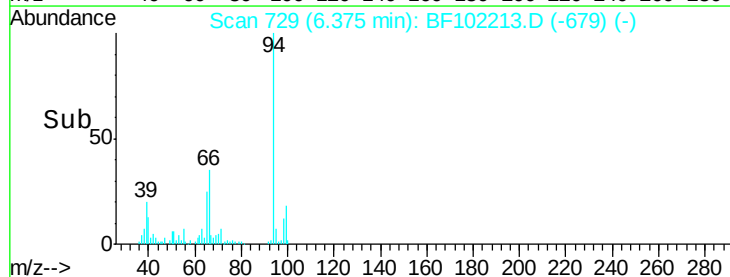
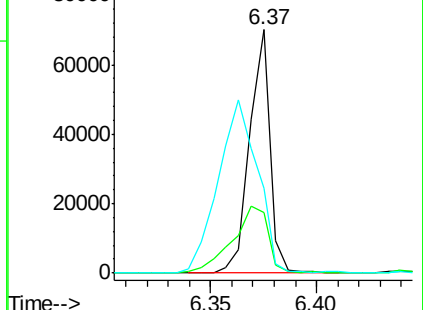
66 35.1 16.2 56.2

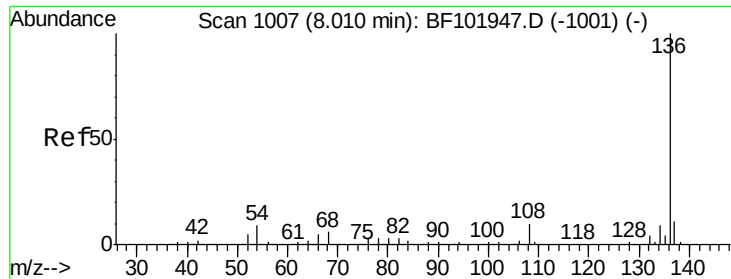


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





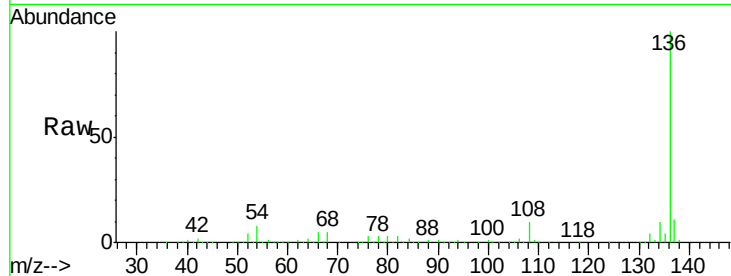
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

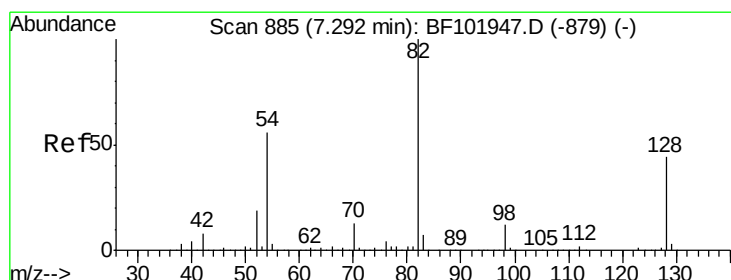
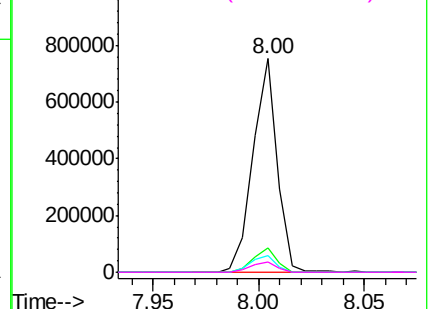
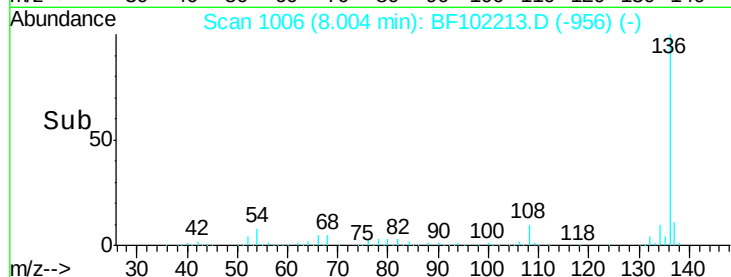
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	5.0	5.0	7.4

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM

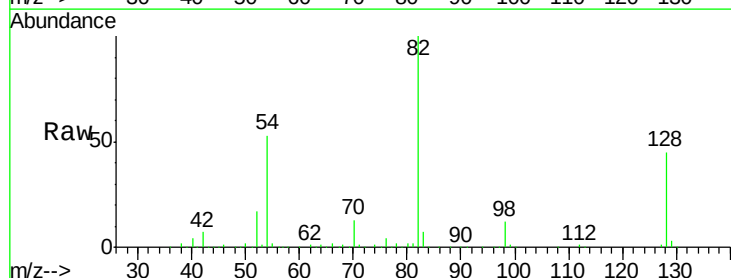


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

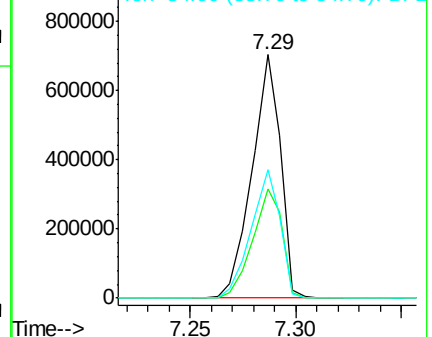
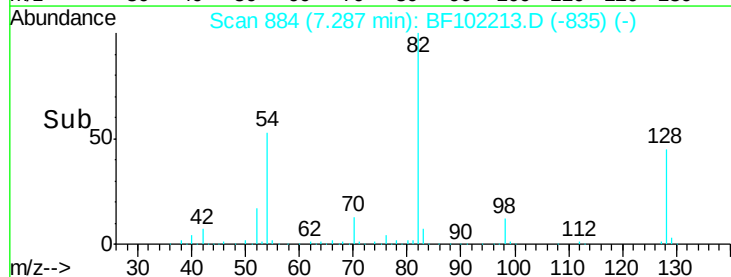


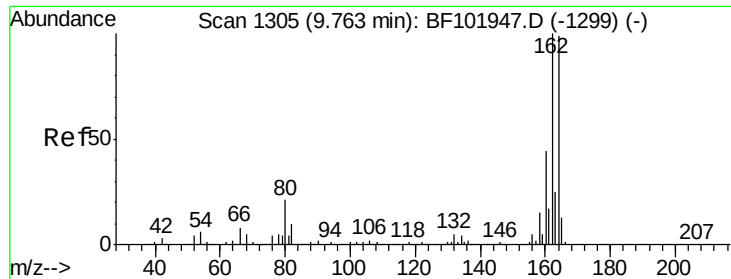
#23
Nitrobenzene-d5
Concen: 64.860 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.0	36.1	54.1
54	53.0	41.4	62.2



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





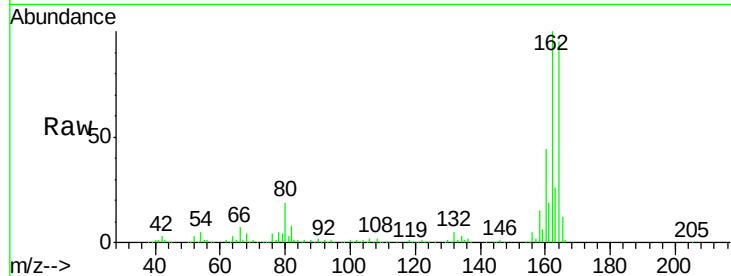
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

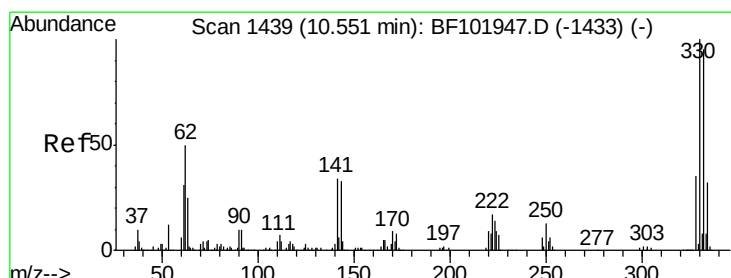
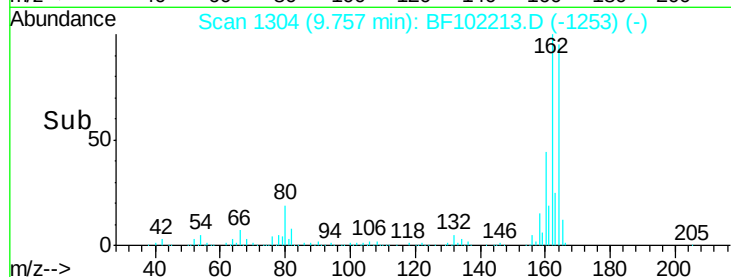
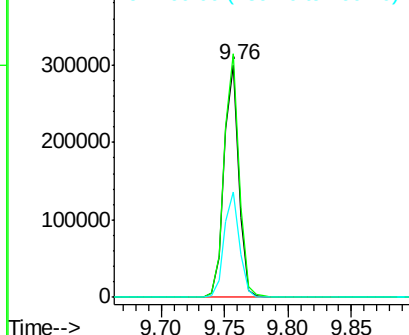
Tot Ion	Ratio	Resp	Lower	Upper
164	100	244981		
162	104.7		86.1	129.1
160	45.6		38.3	57.5

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM

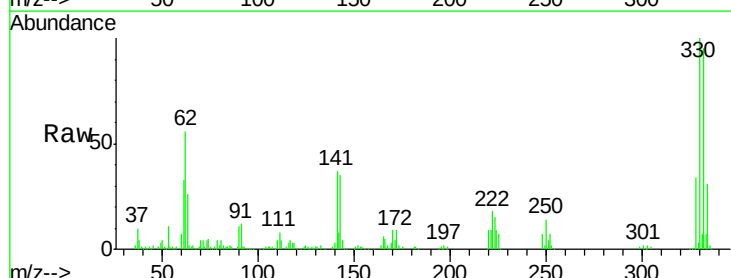


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

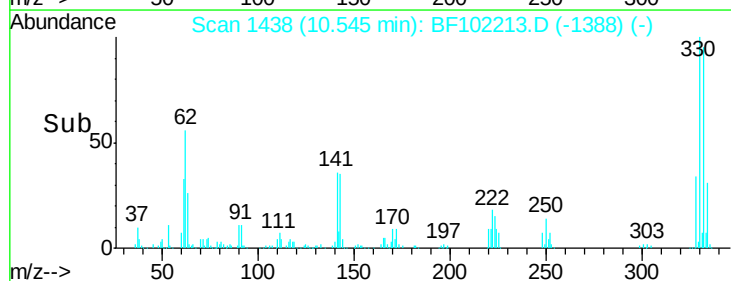
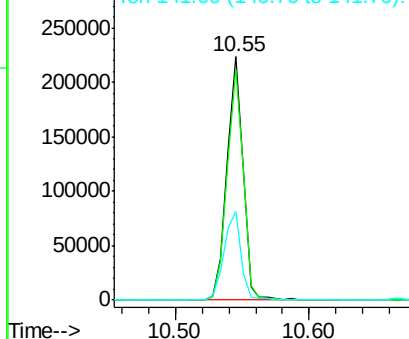


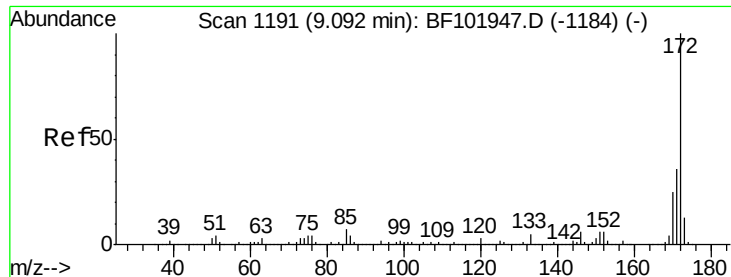
#41
2,4,6-Tribromophenol
Concen: 90.348 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	193156		
332	95.5		77.0	115.6
141	38.4		29.9	44.9



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





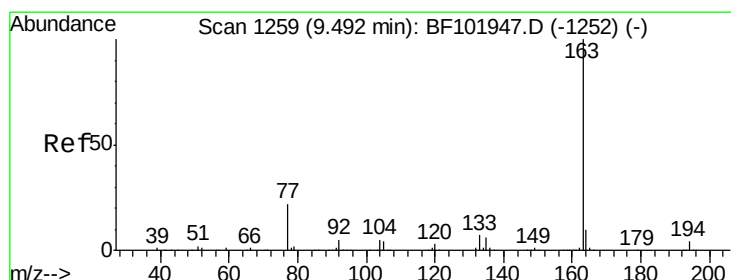
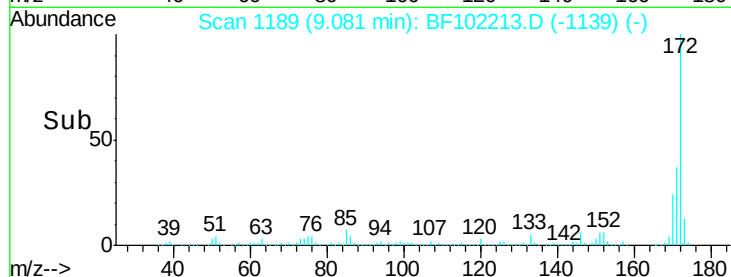
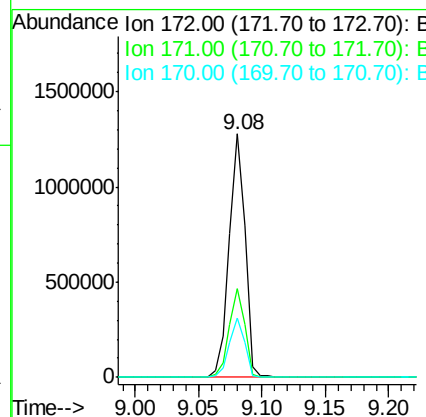
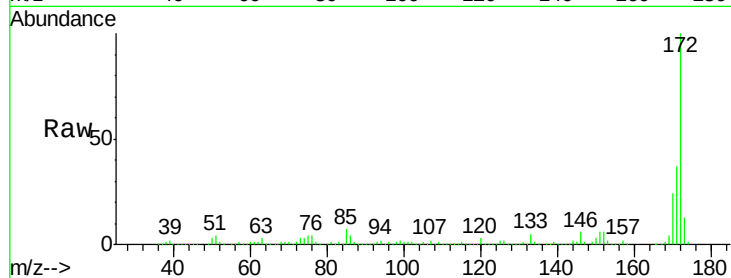
#44
2-Fluorobiphenyl
Concen: 71.555 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

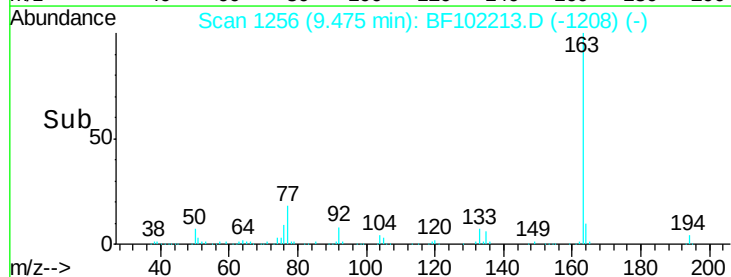
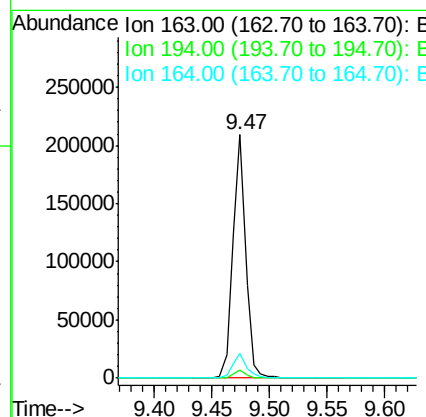
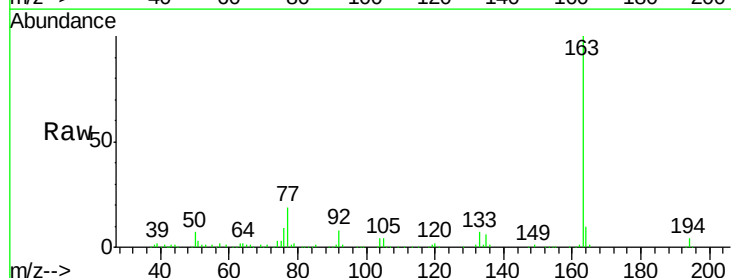
Manual Integrations
APPROVED

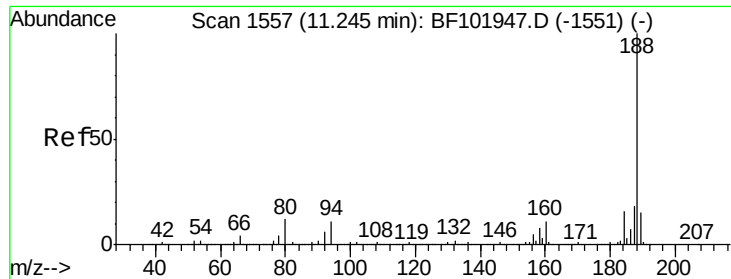
Sohil
1/22/2018 5:23:48 PM



#49
Dimethylphthalate
Concen: 8.218 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.4	8.2	12.2





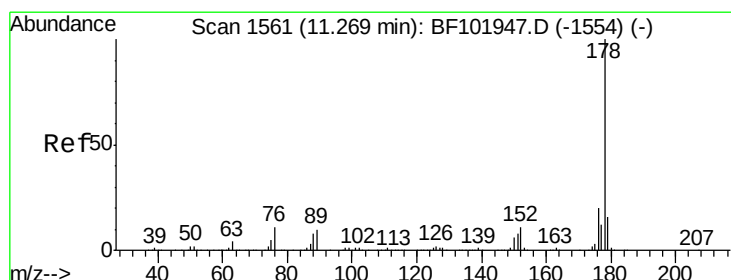
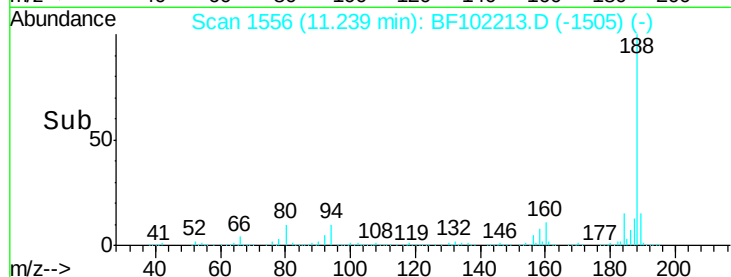
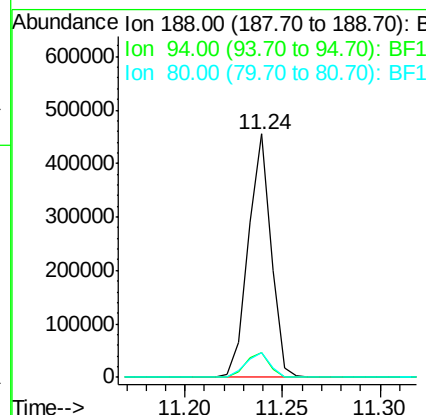
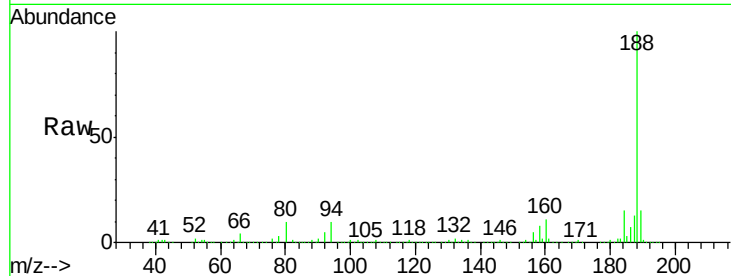
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	367362		
94	10.0		8.5	12.7
80	10.3		9.2	13.8

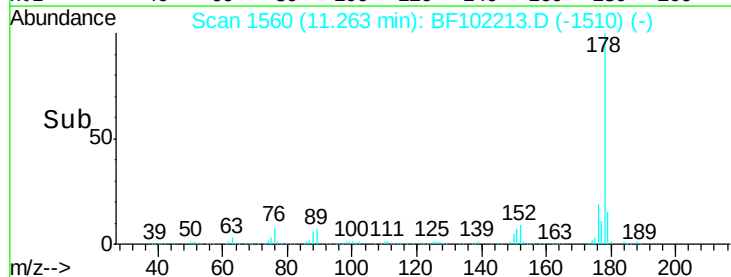
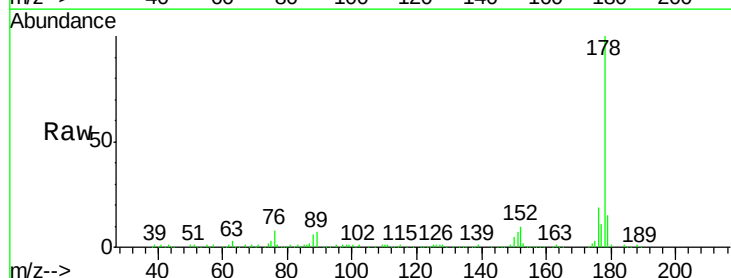
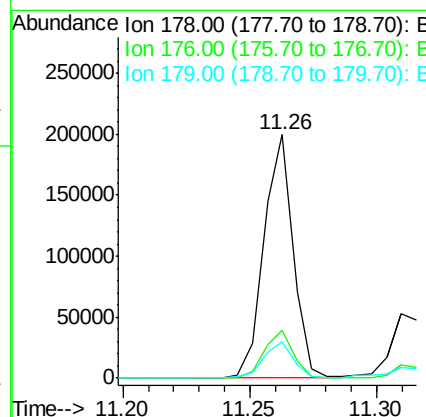
Manual Integrations
APPROVED

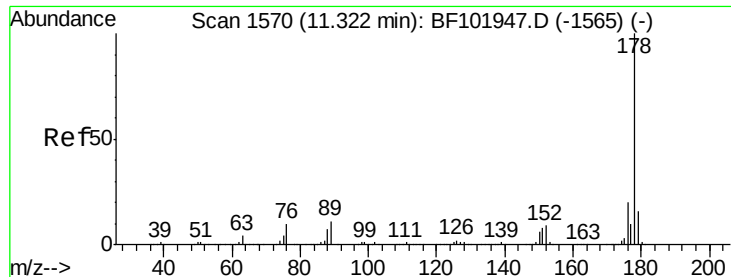
Sohil
1/22/2018 5:23:48 PM



#70
Phenanthrene
Concen: 7.531 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	161612		
176	19.4		15.8	23.8
179	14.7		13.0	19.6





#71

Anthracene

Concen: 2.140 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

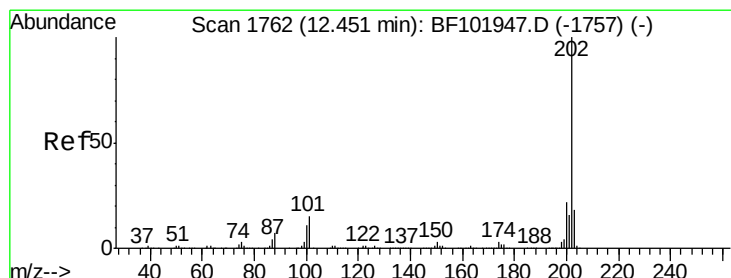
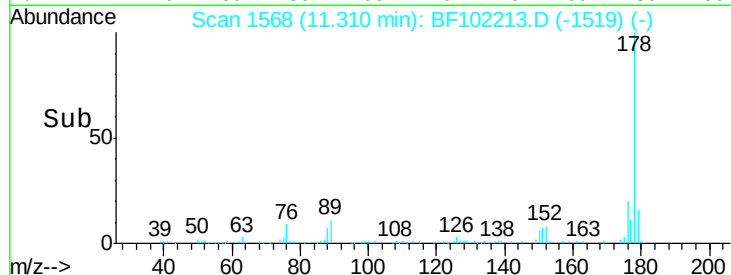
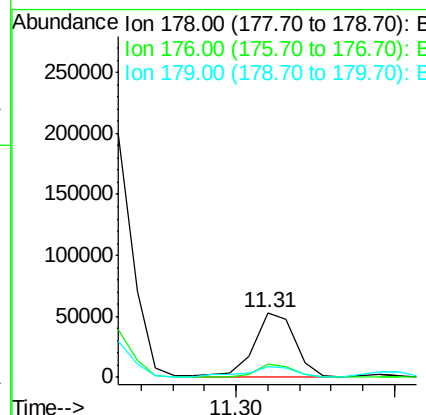
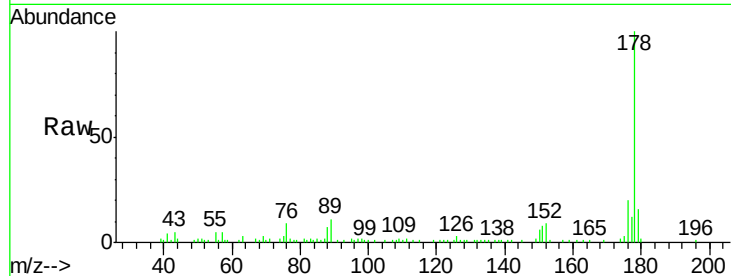
ClientSampled :

SB-57-0-2.0-DUP

Tot Ion:	178	Resp:	46576
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM



#74

Fluoranthene

Concen: 14.365 ng

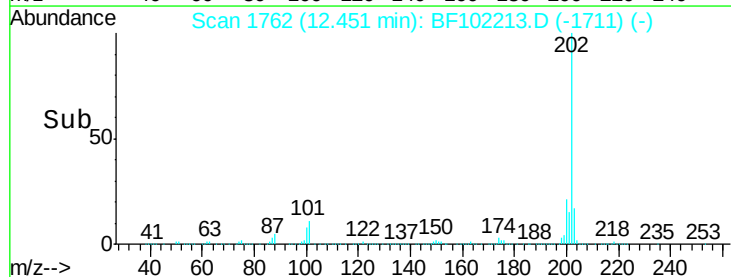
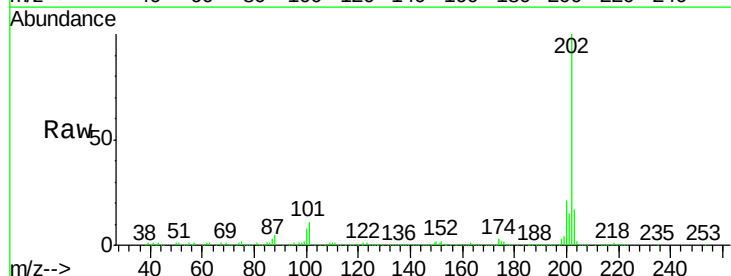
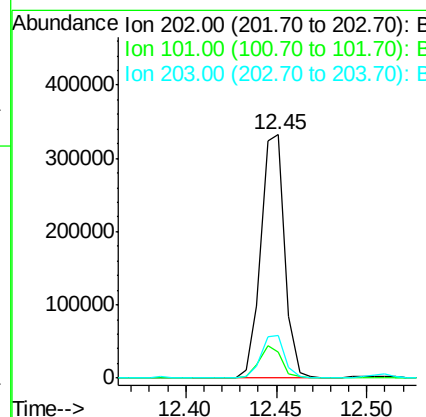
RT: 12.45 min Scan# 1762

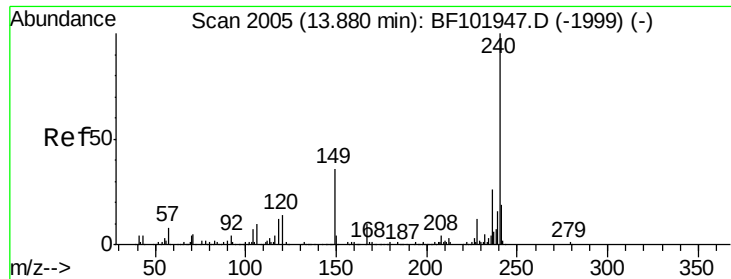
Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion:	202	Resp:	303286
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

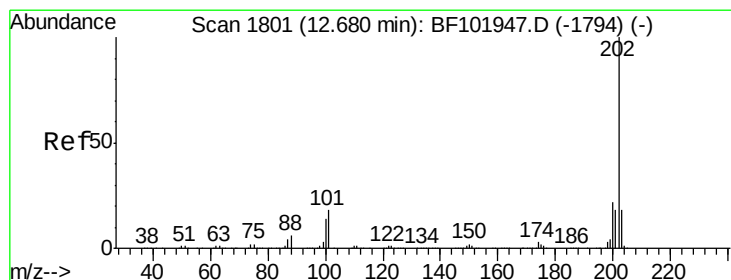
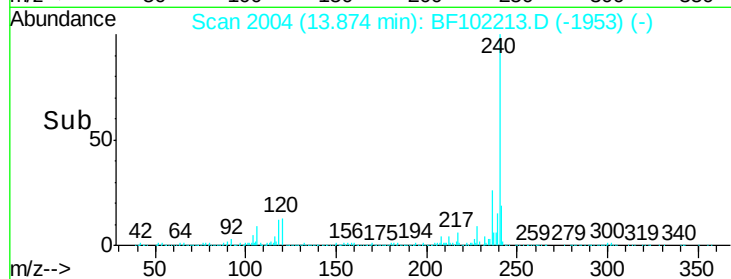
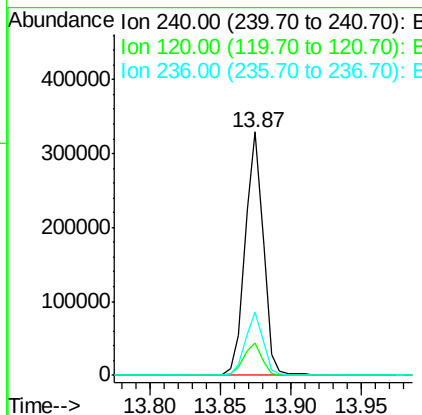
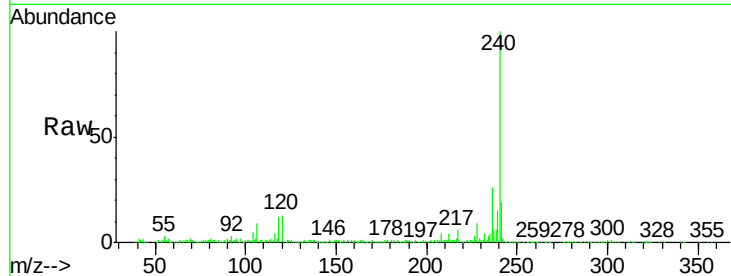
ClientSampleId :

SB-57-0-2.0-DUP

Tot Ion:	240	Resp:	293864
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM



#77

Pyrene

Concen: 10.828 ng

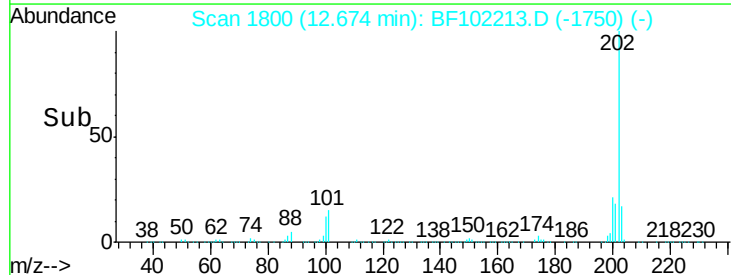
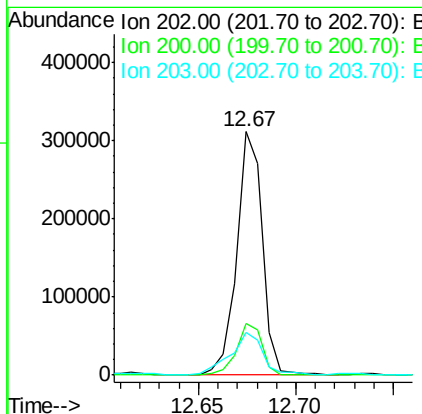
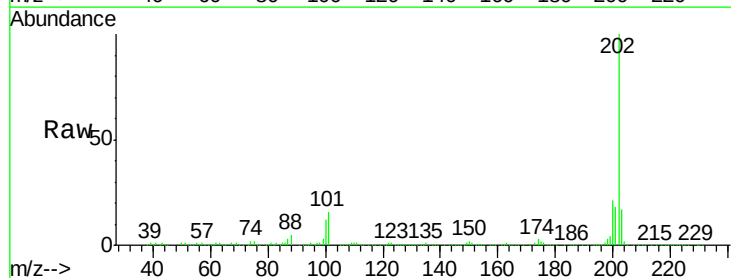
RT: 12.67 min Scan# 1800

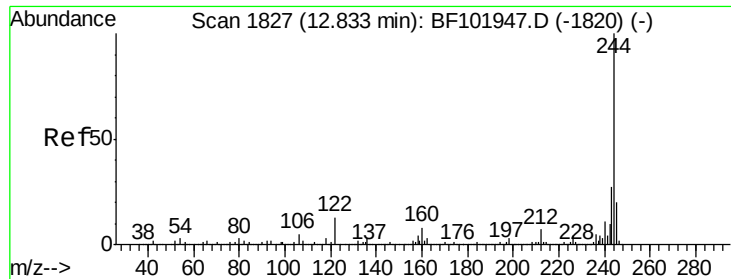
Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion:	202	Resp:	281272
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 57.571 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

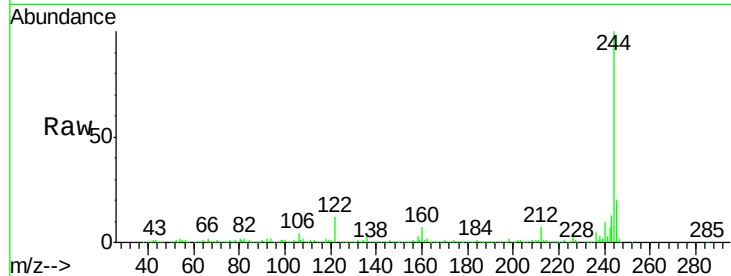
ClientSampleId :

SB-57-0-2.0-DUP

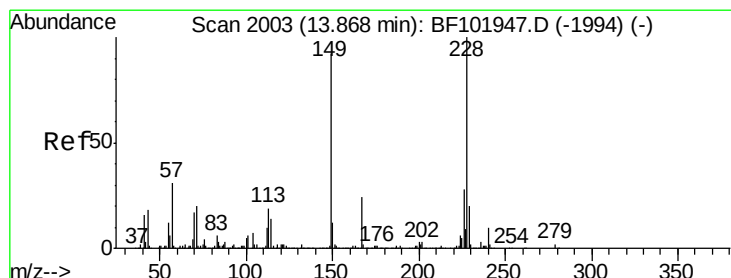
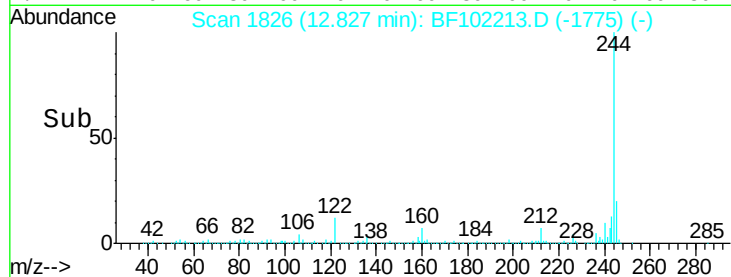
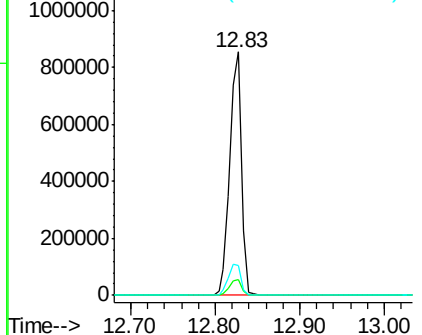
Tot Ion:	244	Resp:	814830
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.3	11.0	16.4

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 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: 8.642 ng

RT: 13.86 min Scan# 2002

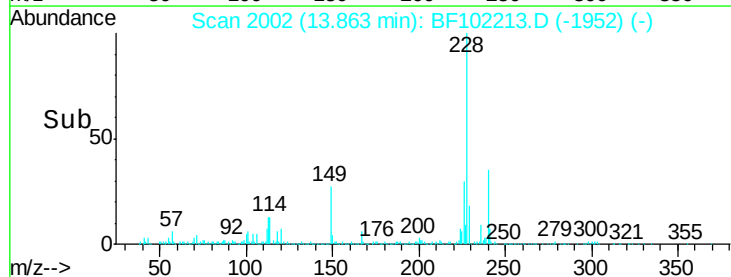
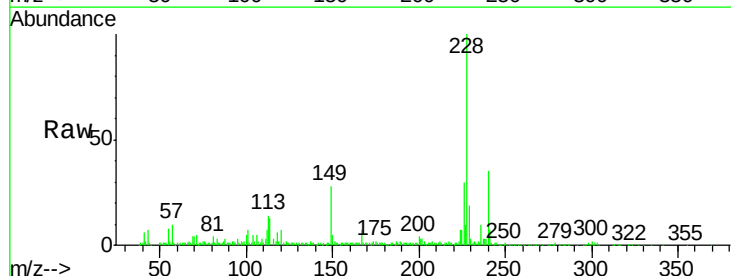
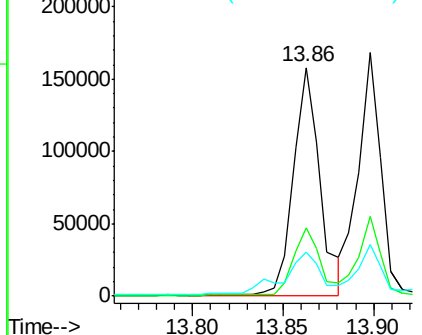
Delta R.T. -0.01 min

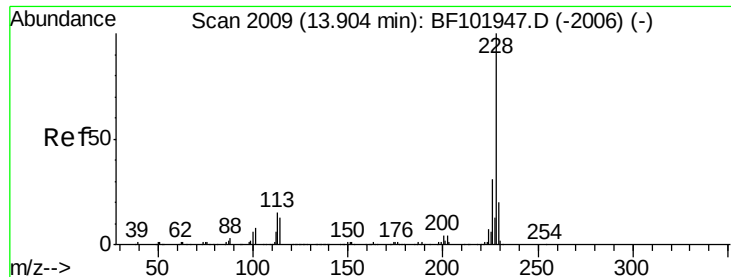
Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion:	228	Resp:	162023
Ion Ratio		Lower	Upper
228	100		
226	30.1	22.6	33.8
229	19.3	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





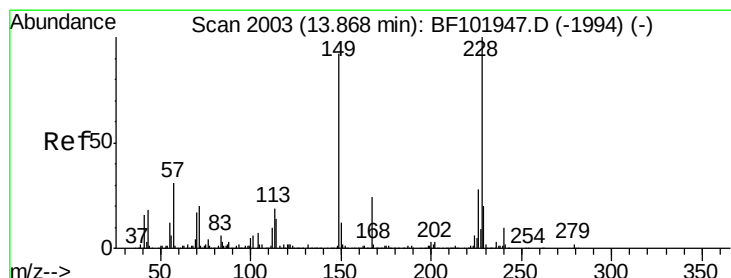
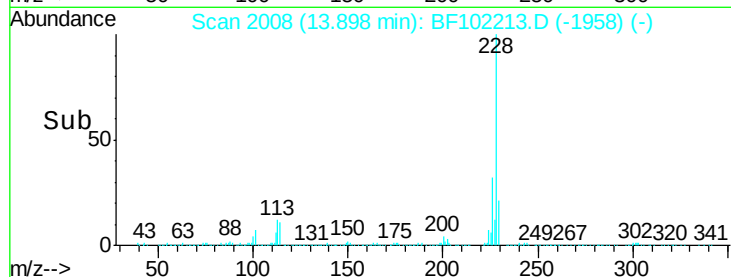
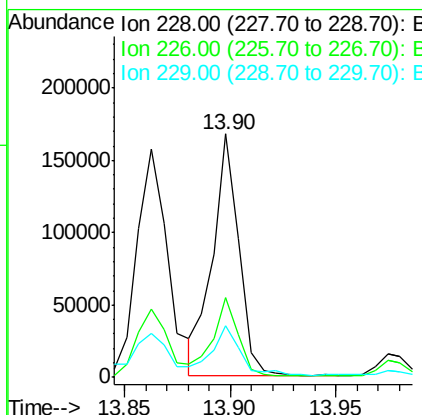
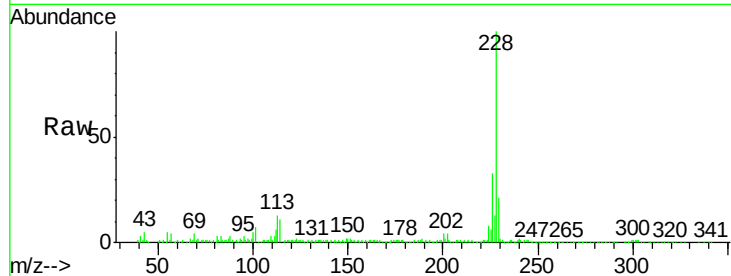
#82
Chrysene
Concen: 7.491 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tot Ion:	228	Resp:	146448
Ion Ratio	Lower	Upper	
228	100		
226	32.9	25.0	37.6
229	21.4	16.2	24.4

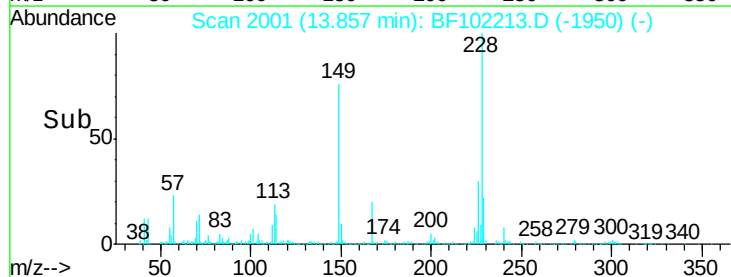
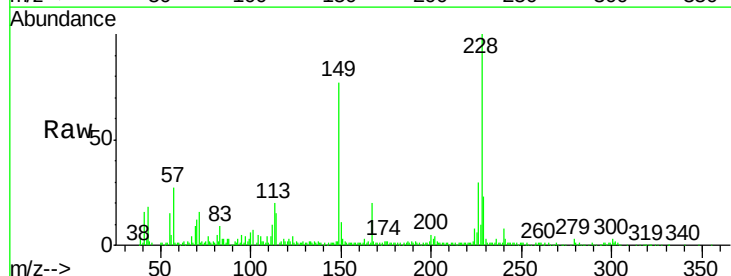
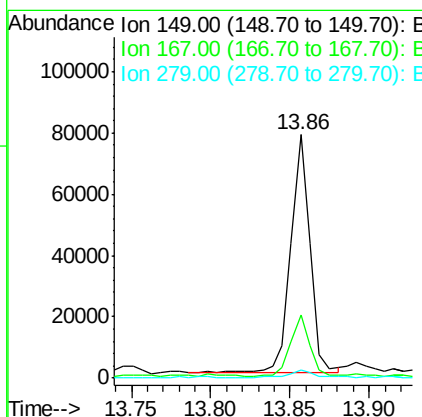
Manual Integrations
APPROVED

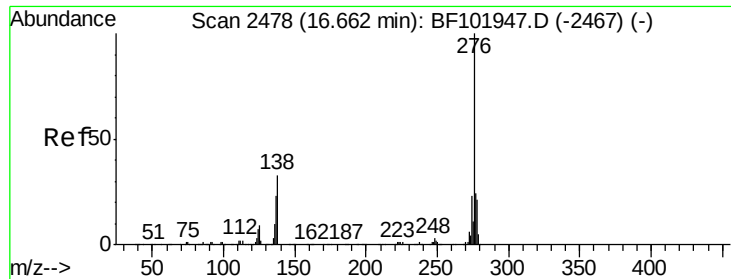
Sohil
1/22/2018 5:23:48 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 4.789 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:	149	Resp:	65494
Ion Ratio	Lower	Upper	
149	100		
167	26.1	21.3	31.9
279	3.4	3.0	4.4





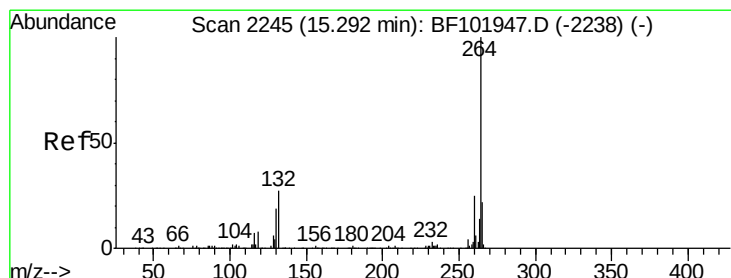
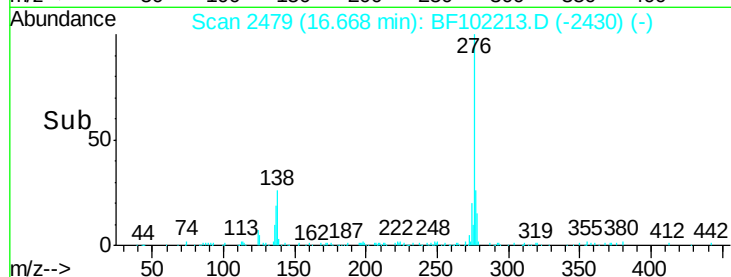
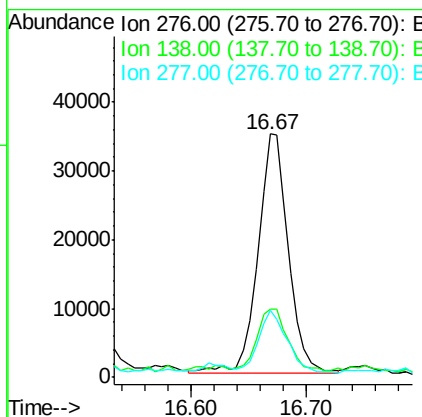
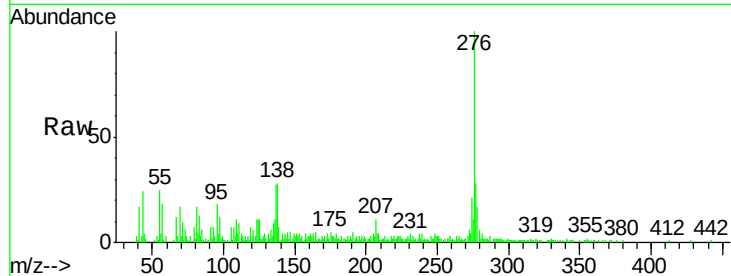
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.467 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	24.8	20.1	30.1

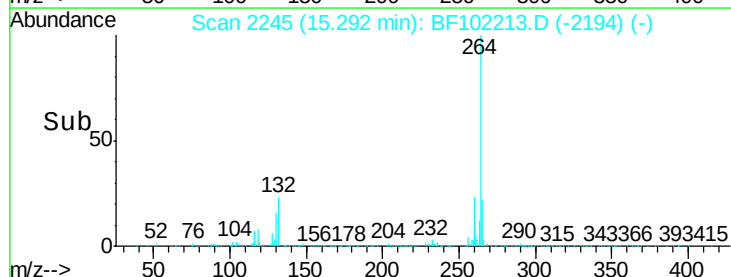
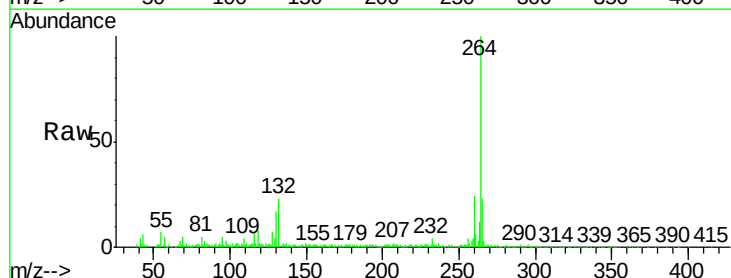
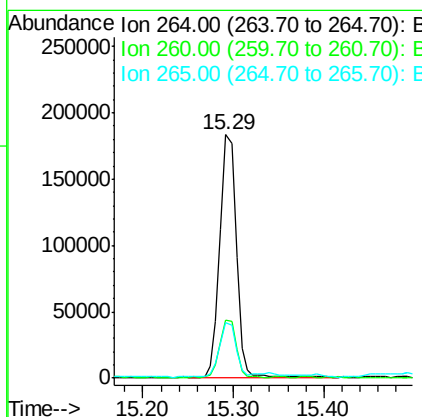
Manual Integrations
APPROVED

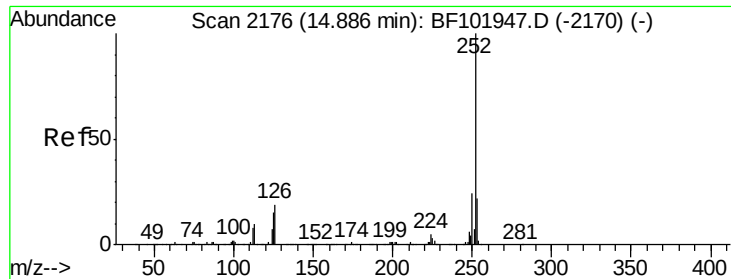
Sohil
1/22/2018 5:23:48 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.390 ng m

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

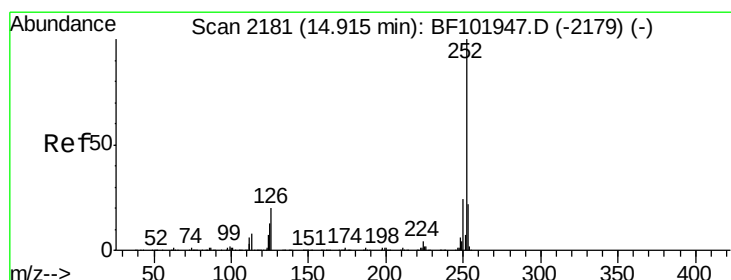
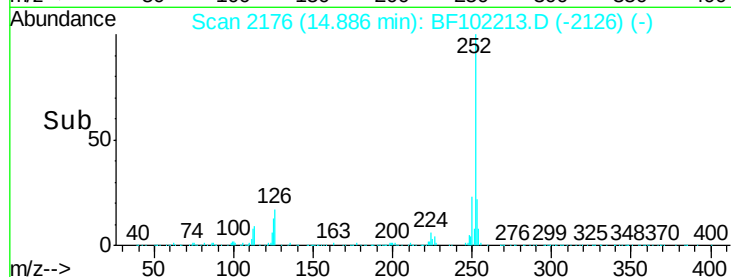
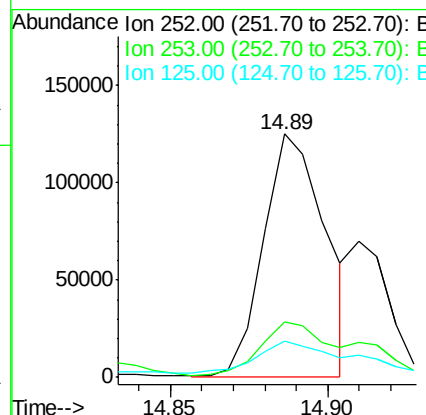
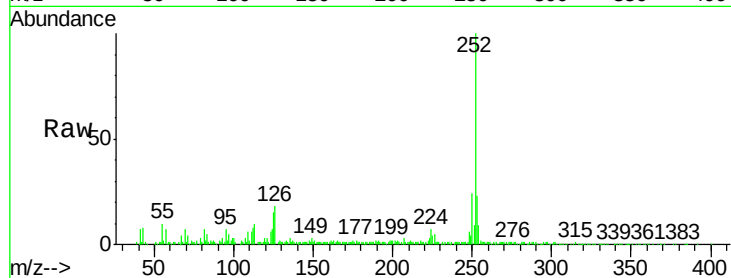
ClientSampleId :

SB-57-0-2.0-DUP

Tot Ion:	252	Resp:	171638
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	15.0	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM



#88

Benzo(k)fluoranthene

Concen: 4.243 ng m

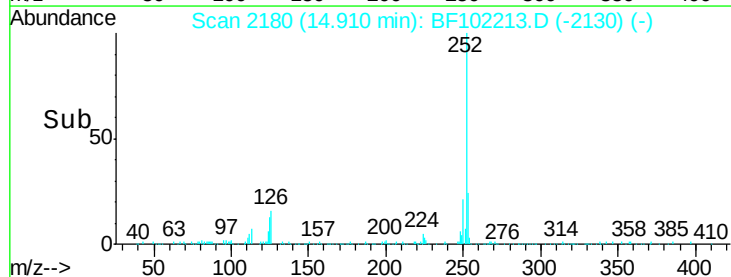
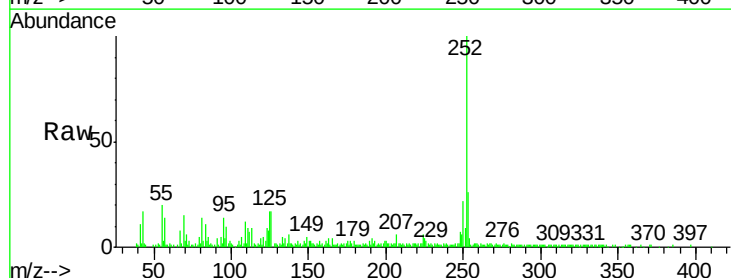
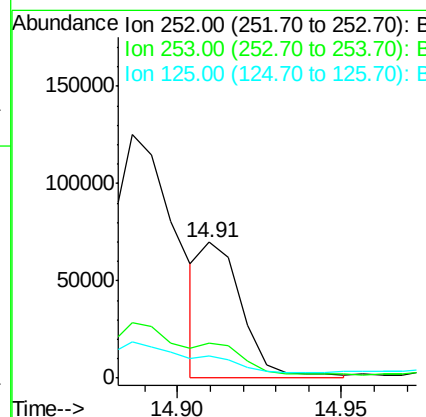
RT: 14.91 min Scan# 2180

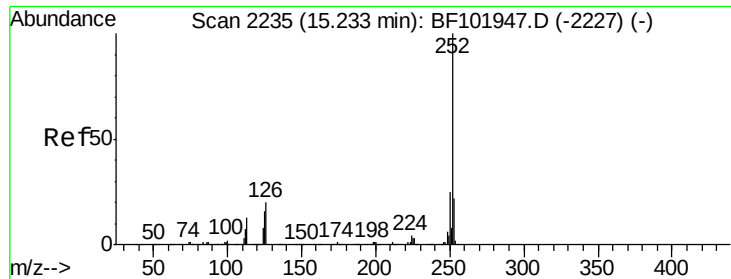
Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion:	252	Resp:	61673
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.9	26.9
125	16.8	10.2	15.2#





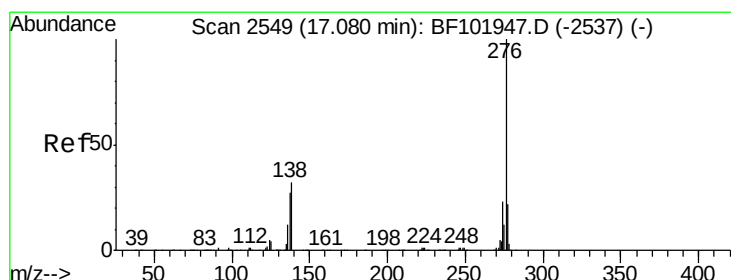
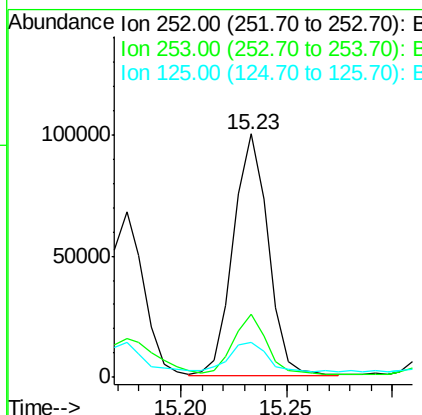
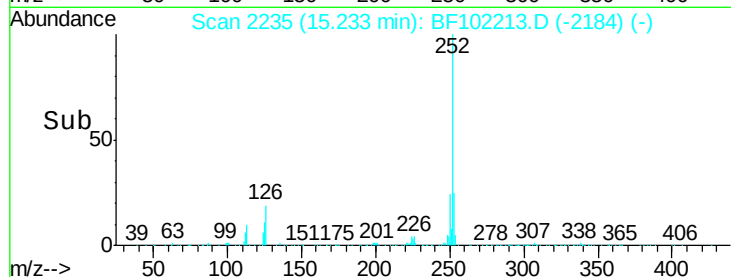
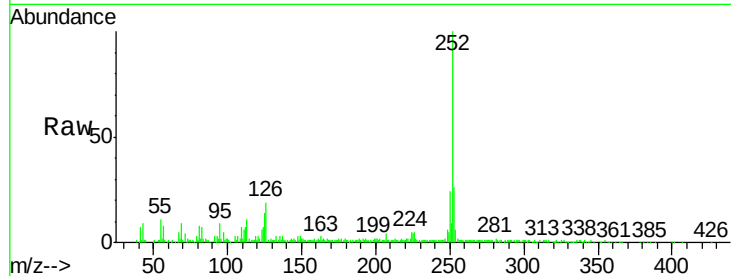
#89
Benzo(a)pyrene
Concen: 8.354 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampled :
SB-57-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.1	25.7#
125	14.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
1/22/2018 5:23:48 PM



#91
Benzo(g,h,i)perylene
Concen: 5.329 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	29.2	21.8	32.8

