

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
 Data File : BF107448.D
 Acq On : 17 Jul 2018 14:43
 Operator : JU/SJ
 Sample : J3829-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071318-B

Manual Integrations
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Sohil
 7/18/2018 10:44:01 AM

Quant Time: Jul 17 18:14:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	127805	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	483675	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	245984	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	498228	20.00	ng	0.00
75) Chrysene-d12	14.18	240	399631	20.00	ng	0.00
86) Perylene-d12	15.72	264	267222	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	346002	41.12	ng	0.00
7) Phenol-d6	6.61	99	431141	39.63	ng	0.00
23) Nitrobenzene-d5	7.54	82	312161	34.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	95669	44.27	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	540051	29.53	ng	0.00
78) Terphenyl-d14	13.11	244	548347	34.09	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.98	142	41968	2.710	ng	# 89
48) Acenaphthylene	9.89	152	102081	4.355	ng	# 92
49) Dimethylphthalate	9.73	163	84676	4.333	ng	# 96
51) Acenaphthene	10.06	154	92000	5.920	ng	98
54) Dibenzofuran	10.23	168	138426	5.764	ng	# 89
57) Fluorene	10.58	166	141446	8.893	ng	# 94
70) Phenanthrene	11.55	178	1291481	52.014	ng	97
71) Anthracene	11.60	178	428881	17.342	ng	98
72) Carbazole	11.75	167	57712	2.465	ng	97
74) Fluoranthene	12.75	202	1491771	52.860	ng	93
77) Pyrene	12.98	202	1337567	49.219	ng	97
80) Benzo(a)anthracene	14.17	228	748438	30.609	ng	95
82) Chrysene	14.20	228	629469	26.949	ng	97
85) Indeno(1,2,3-cd)pyrene	17.30	276	190494	11.457	ng	# 86
87) Benzo(b)fluoranthene	15.26	252	631674m	40.386	ng	
88) Benzo(k)fluoranthene	15.28	252	201054m	13.172	ng	
89) Benzo(a)pyrene	15.65	252	405841	28.270	ng	# 96
90) Dibenzo(a,h)anthracene	17.31	278	55580	5.130	ng	# 87
91) Benzo(a,h,i)perylene	17.78	276	182378	16.566	ng	# 92

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

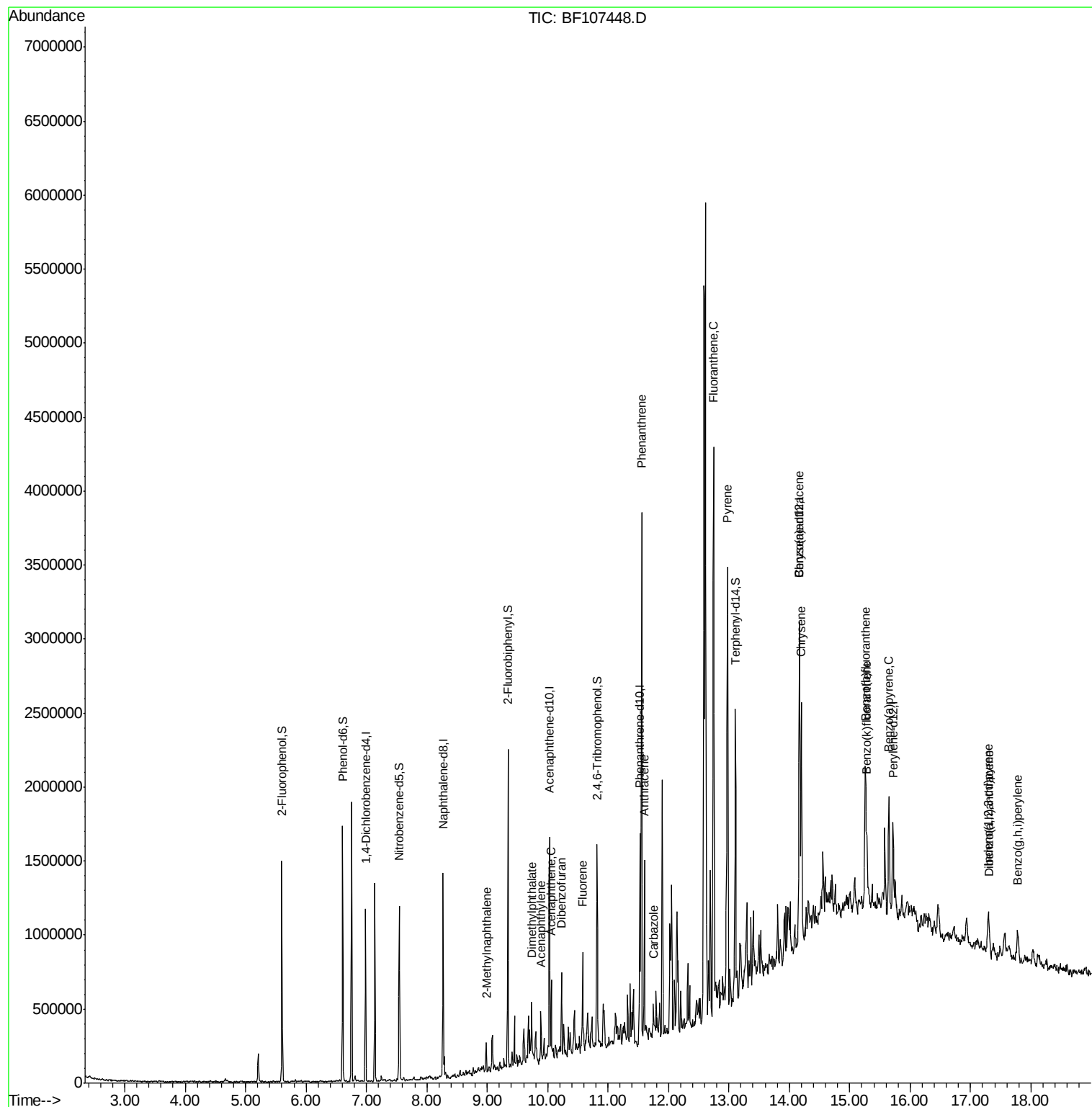
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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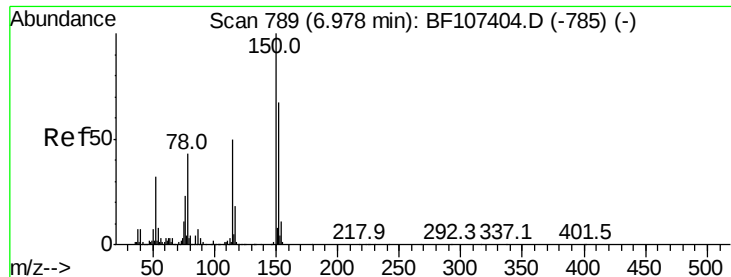
Instrument :
BNA_F
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PL-01-071318-B

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.98 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

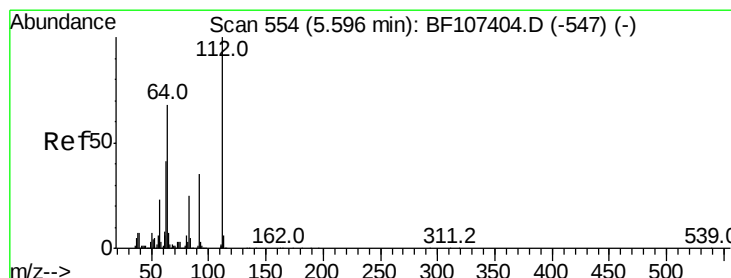
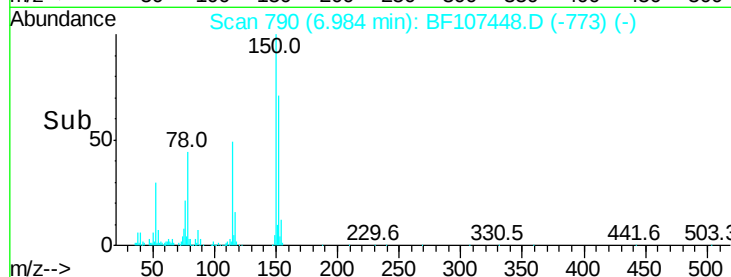
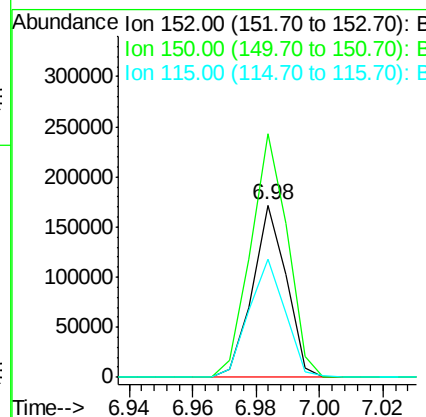
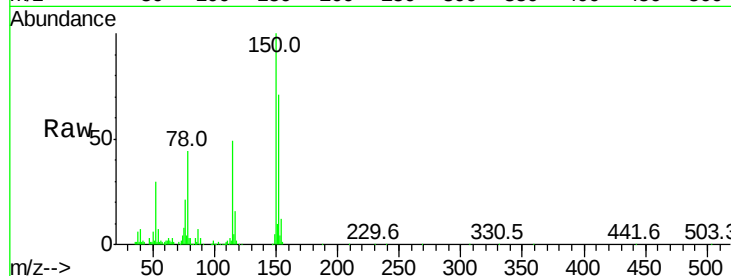
ClientSampleId :

PL-01-071318-B

Tot Ion:	152	Resp:	127805
Ion Ratio	Lower	Upper	
152	100		
150	141.3	124.6	186.8
115	68.7	50.1	75.1

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#5

2-Fluorophenol

Concen: 41.116 ng

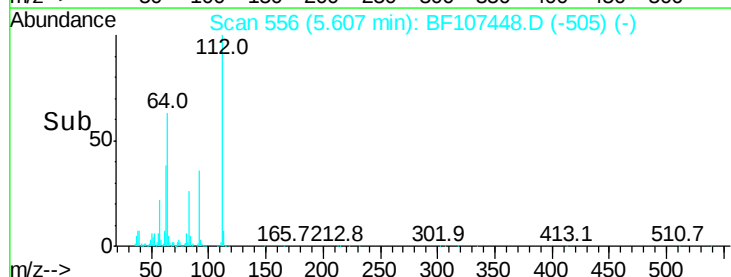
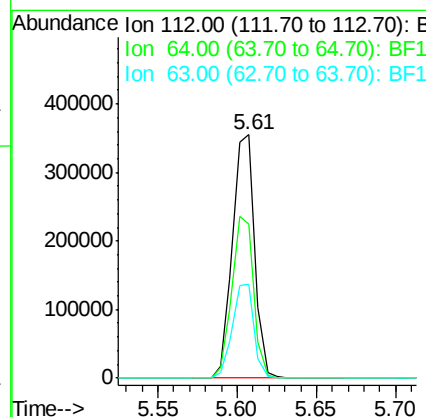
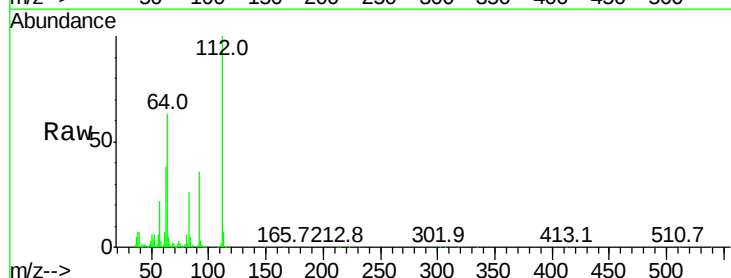
RT: 5.61 min Scan# 556

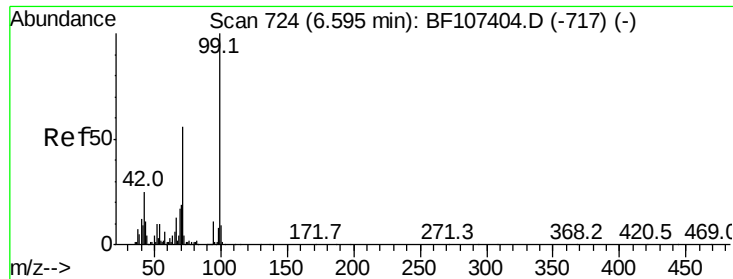
Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion:	112	Resp:	346002
Ion Ratio	Lower	Upper	
112	100		
64	63.0	47.9	71.9
63	38.3	23.7	35.5#





#7

Phenol-d6

Concen: 39.627 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

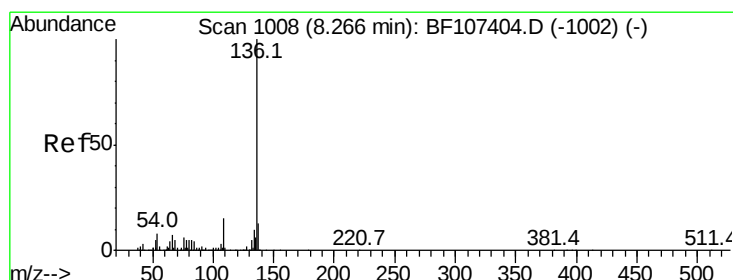
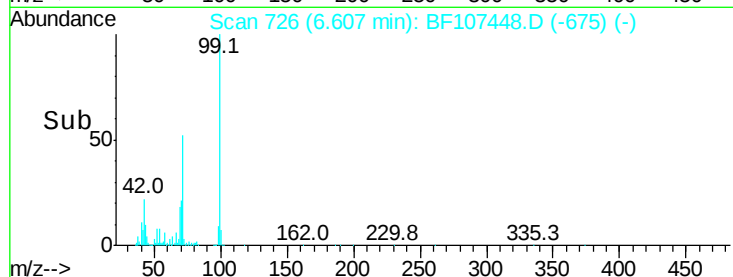
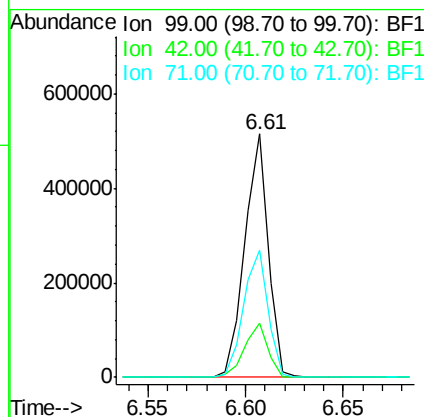
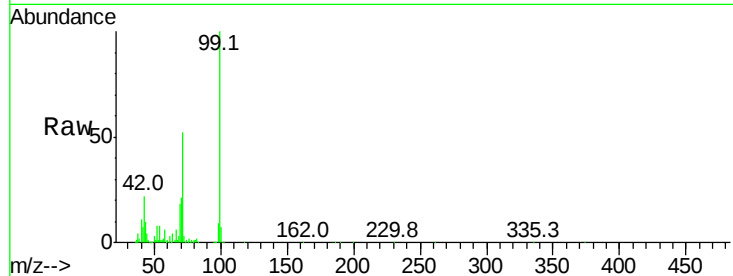
ClientSampleId :

PL-01-071318-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		431141		
42	22.1	14.5	21.7#		
71	52.3	25.4	38.0#		

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#21

Naphthalene-d8

Concen: 20.000 ng

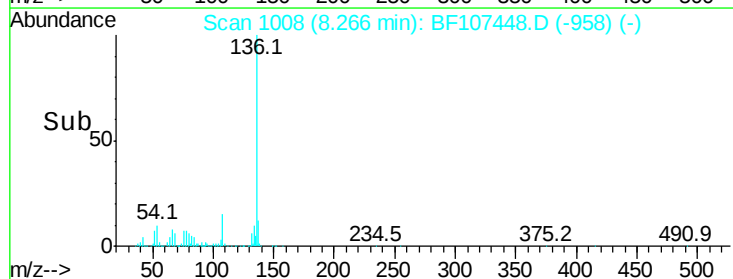
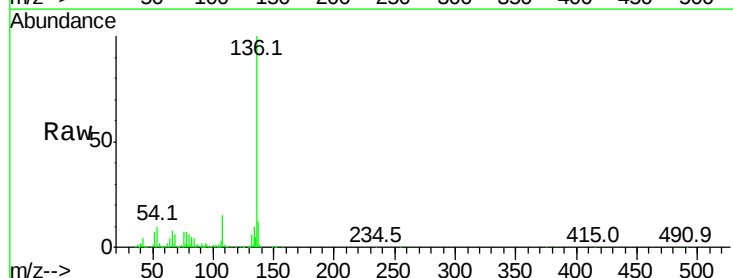
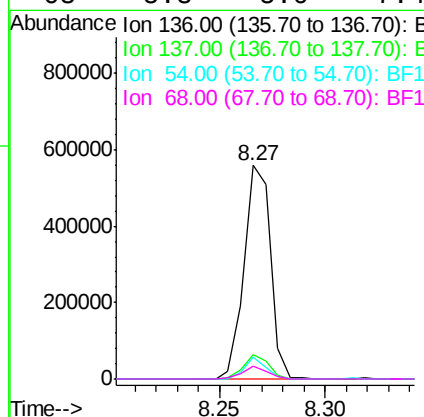
RT: 8.27 min Scan# 1008

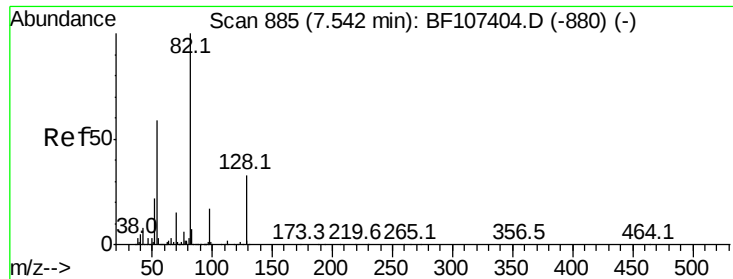
Delta R.T. -0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		483675		
137	11.5	8.9	13.3		
54	10.3	6.6	9.8#		
68	5.8	5.0	7.4		





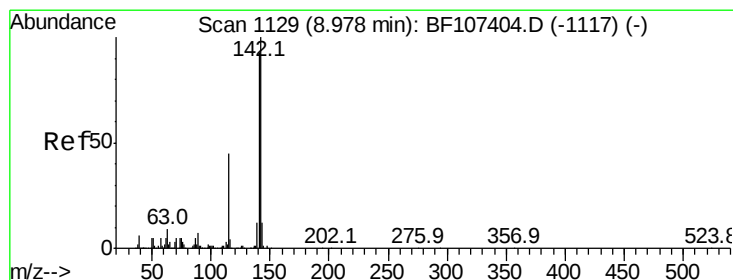
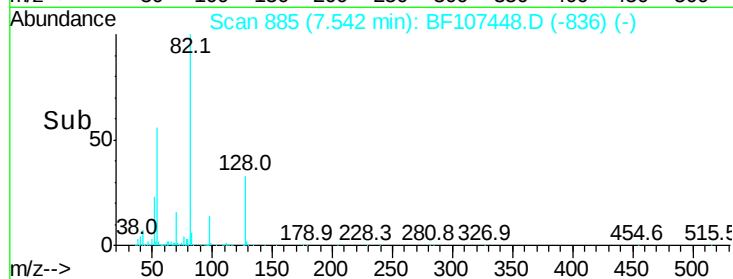
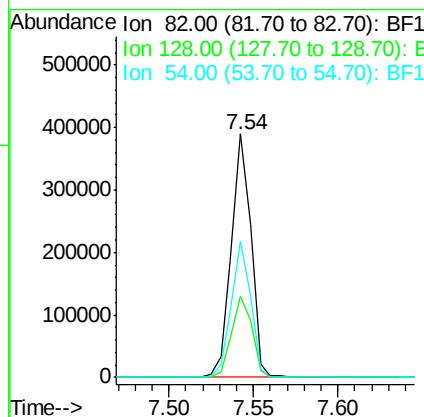
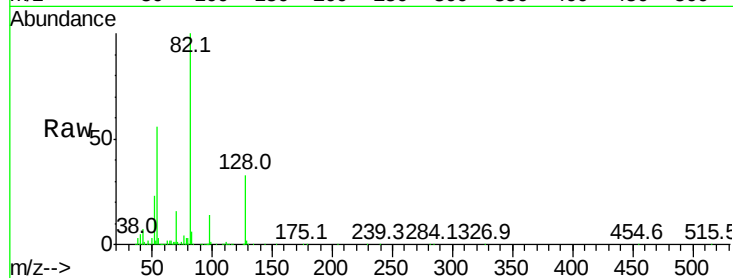
#23
Nitrobenzene-d5
Concen: 34.415 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	33.1	36.1	54.1#
54	56.1	41.4	62.2

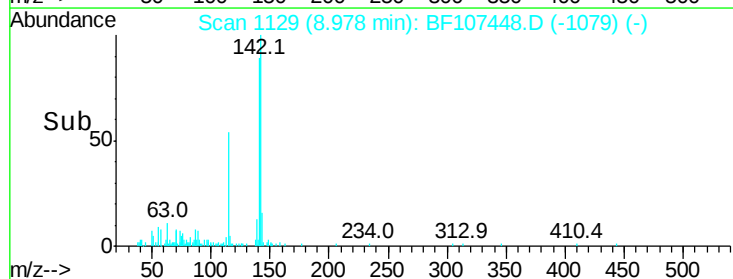
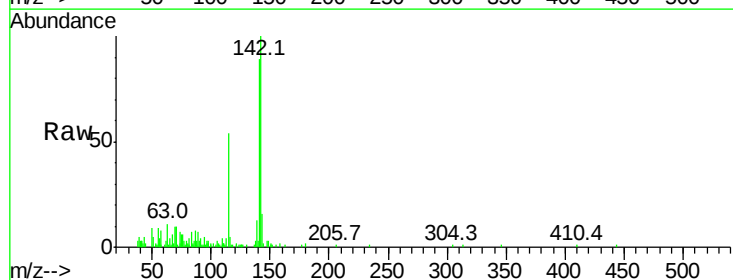
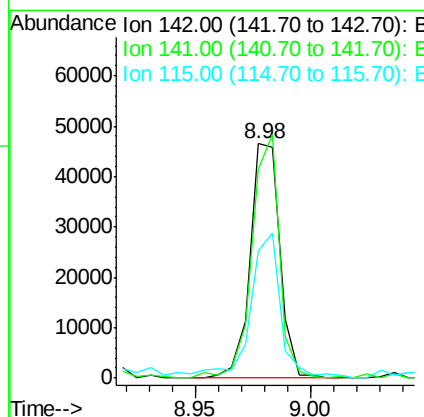
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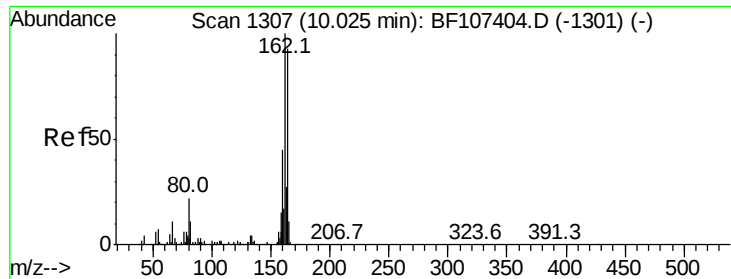
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#37
2-Methylnaphthalene
Concen: 2.710 ng
RT: 8.98 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	89.0	70.8	106.2
115	54.3	26.1	39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

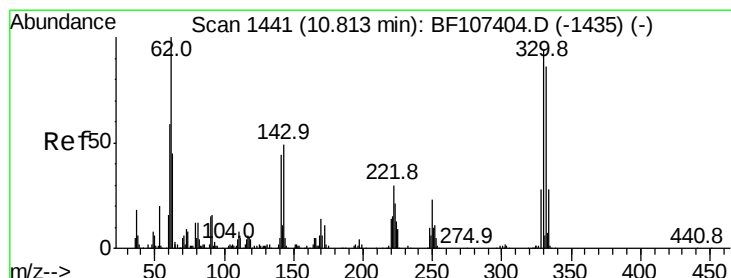
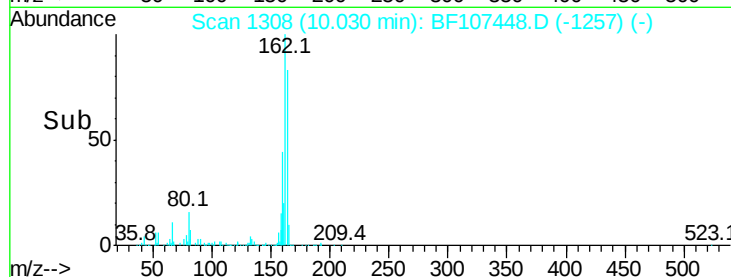
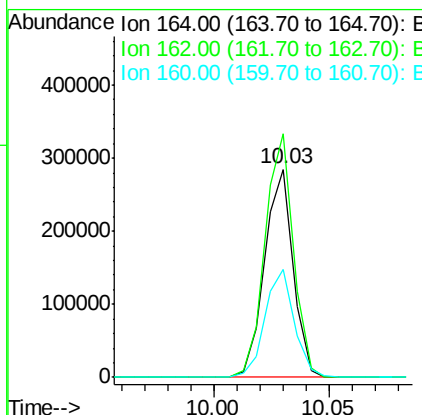
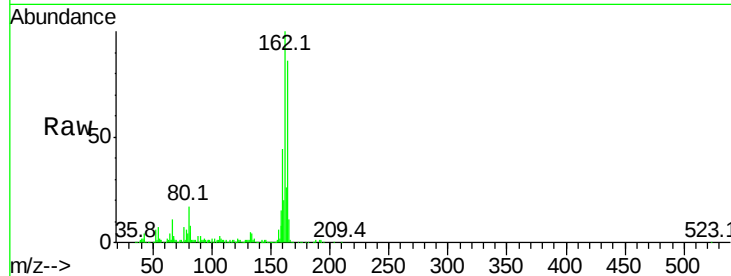
Instrument :
BNA_F

ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	117.0	86.1	129.1
160	51.6	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 44.265 ng

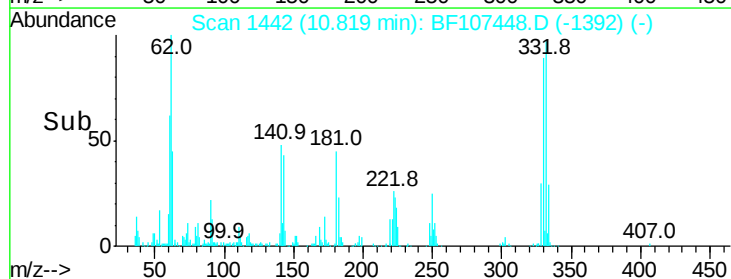
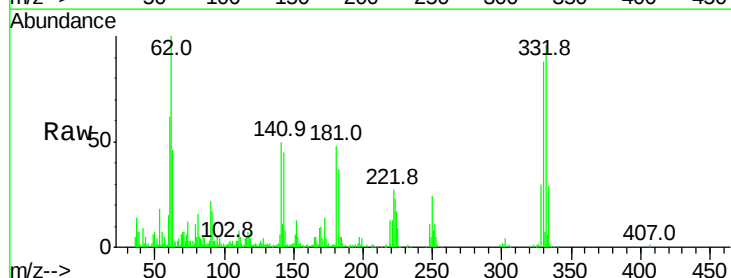
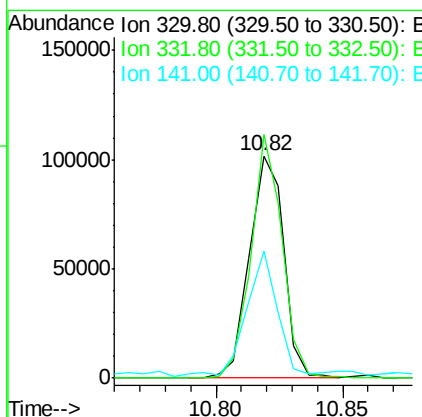
RT: 10.82 min Scan# 1442

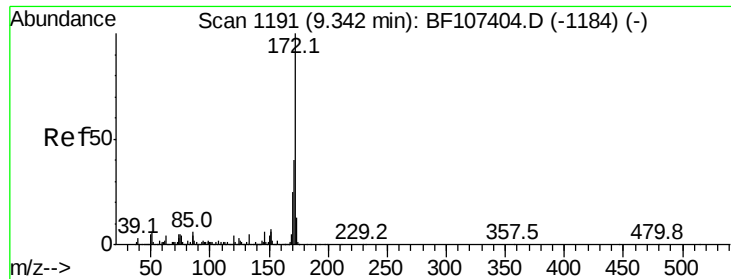
Delta R.T. -0.01 min

Lab File: BF107448.D

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.0	115.6
141	50.2	29.9	44.9#





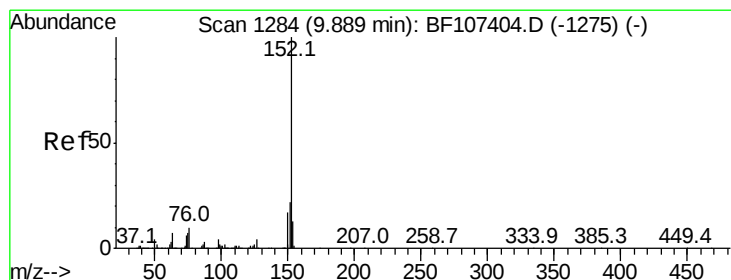
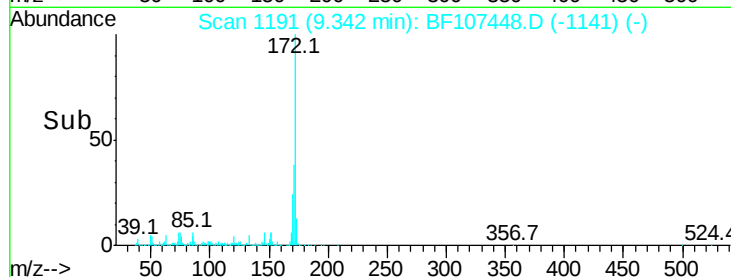
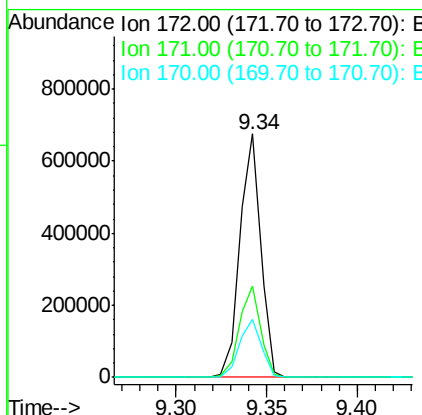
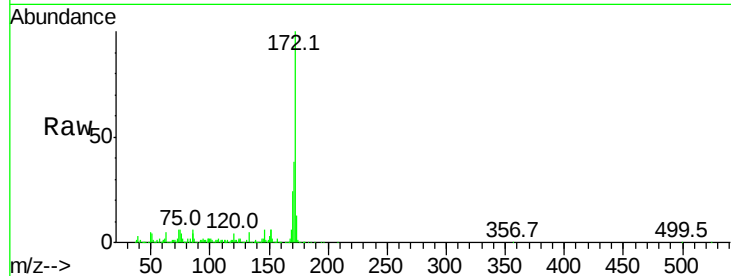
#44
2-Fluorobiphenyl
Concen: 29.533 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	23.9	19.6	29.4

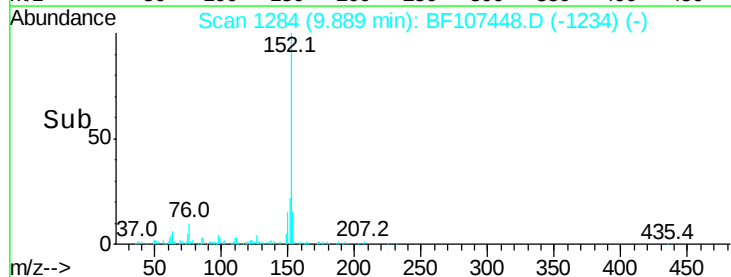
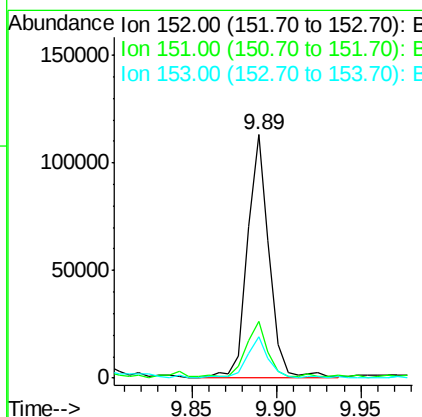
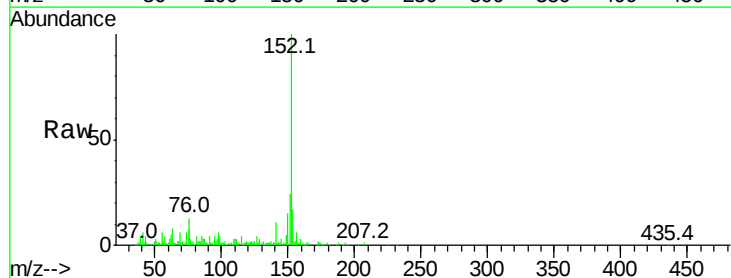
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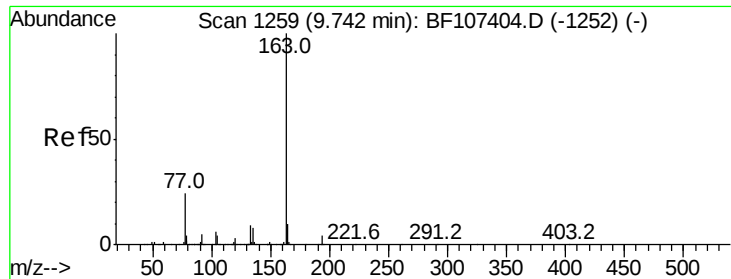
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#48
Acenaphthylene
Concen: 4.355 ng
RT: 9.89 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.5	16.3	24.5
153	17.1	10.7	16.1#





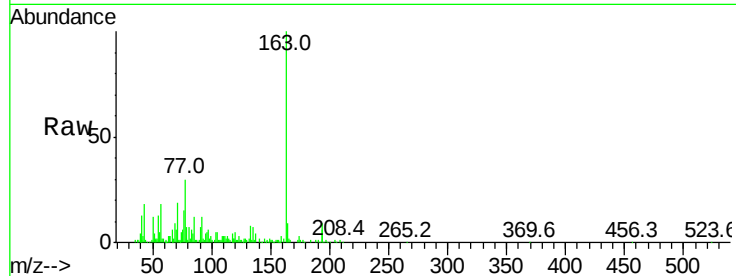
#49
Dimethylphthalate
Concen: 4.333 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-B

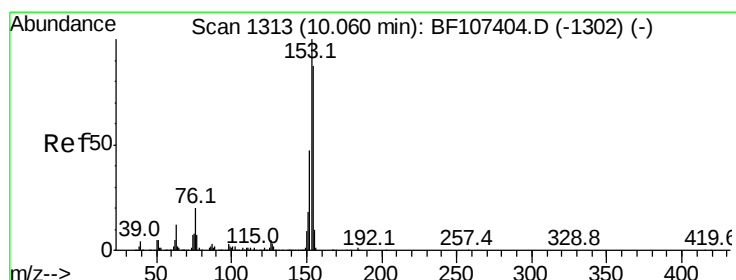
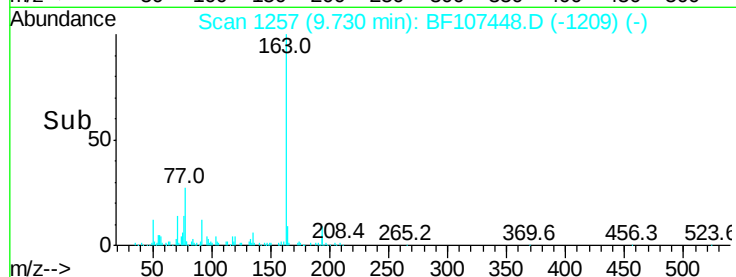
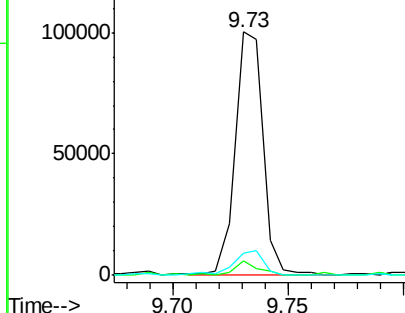
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	6.1	2.7	4.1	#
164	9.1	8.2	12.2	

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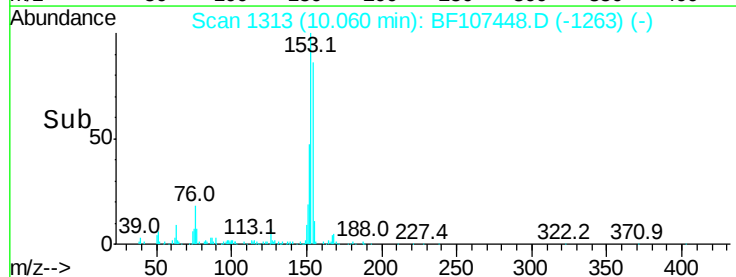
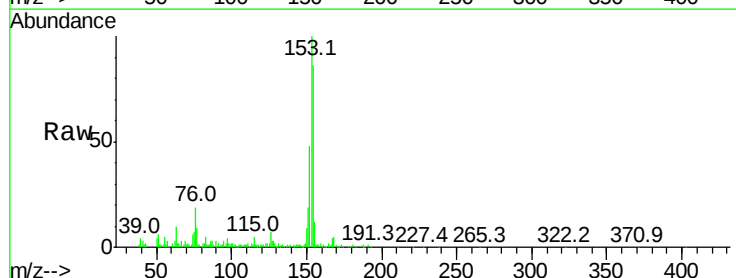
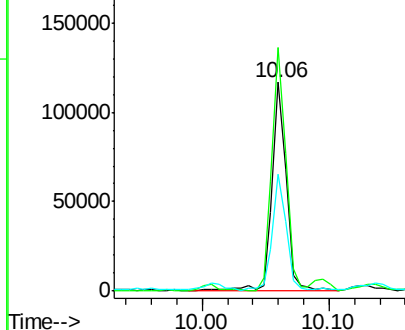
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

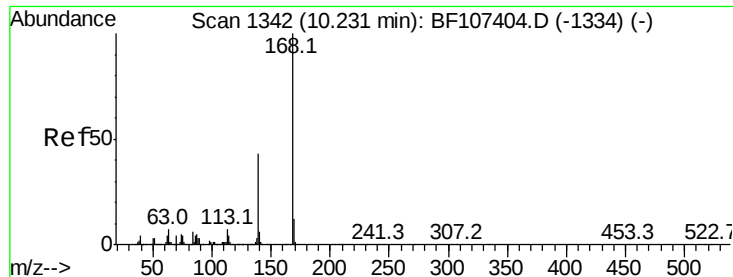


#51
Acenaphthene
Concen: 5.920 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.5	91.2	136.8	
152	55.7	43.8	65.8	

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





#54

Dibenzofuran

Concen: 5.764 ng

RT: 10.23 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

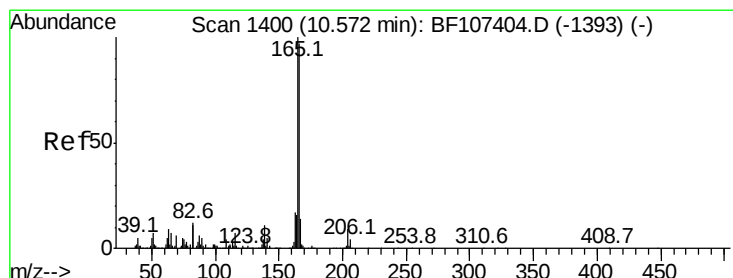
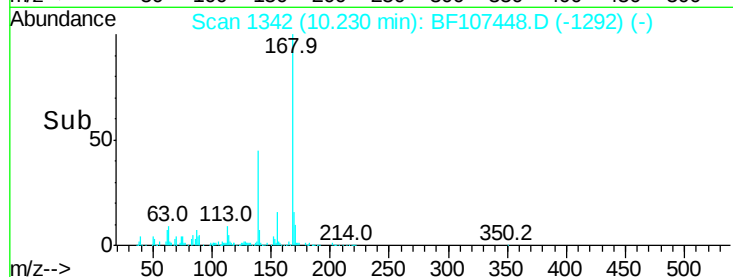
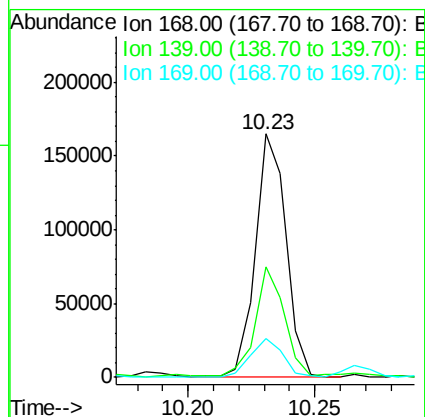
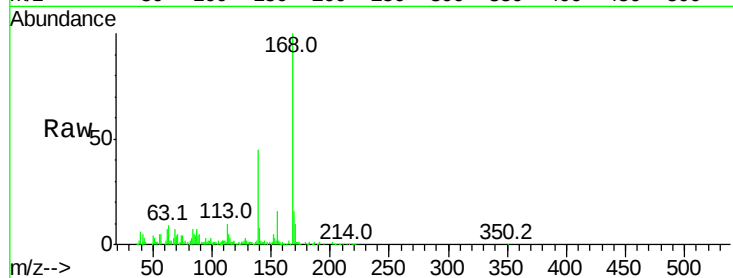
ClientSampleId :

PL-01-071318-B

Tot Ion:168	Resp:	138426
Ion Ratio	Lower	Upper
168 100		
139 45.2	30.1	45.1#
169 15.9	10.9	16.3

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#57

Fluorene

Concen: 8.893 ng

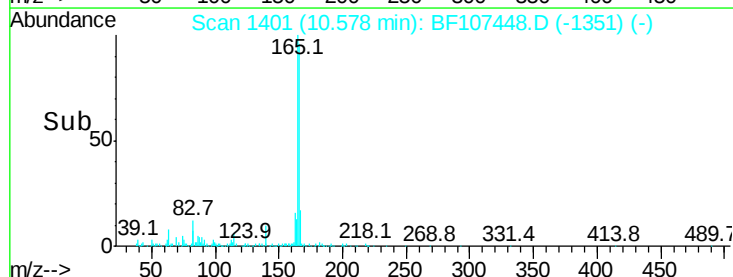
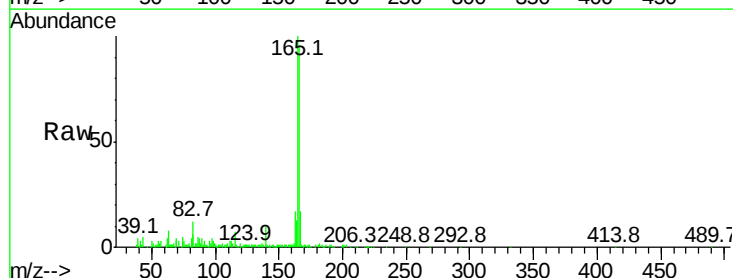
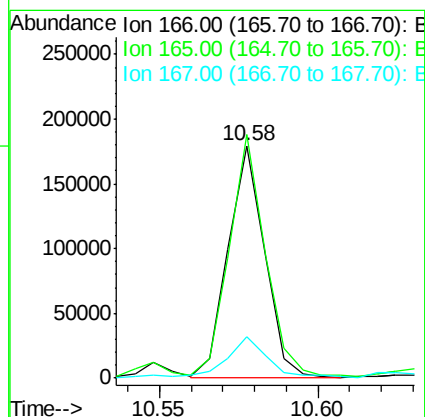
RT: 10.58 min Scan# 1401

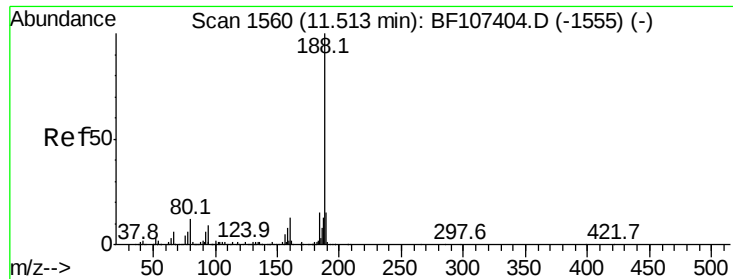
Delta R.T. -0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion:166	Resp:	141446
Ion Ratio	Lower	Upper
166 100		
165 104.6	79.8	119.8
167 17.7	10.6	16.0#





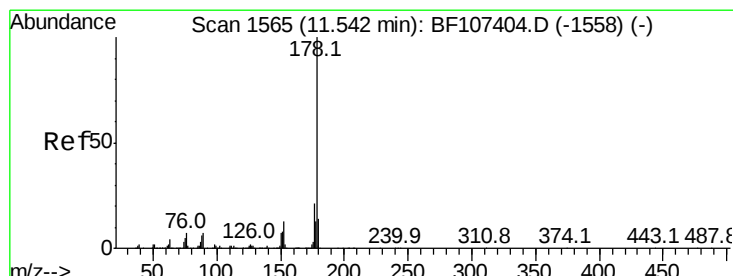
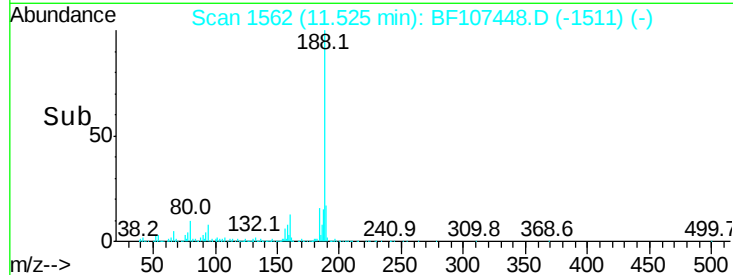
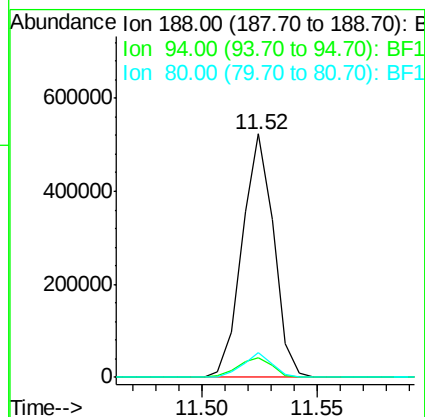
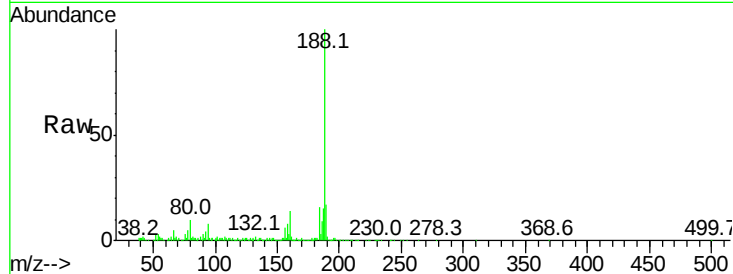
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	498228		
94	8.3		8.5	12.7#
80	10.3		9.2	13.8

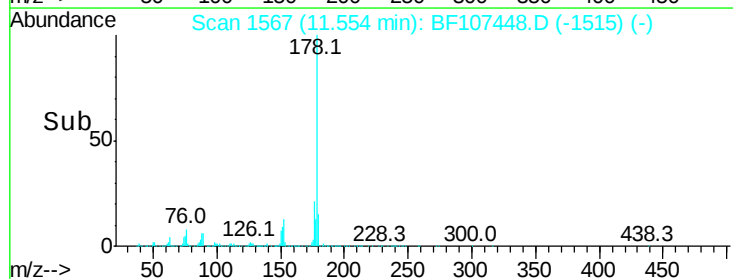
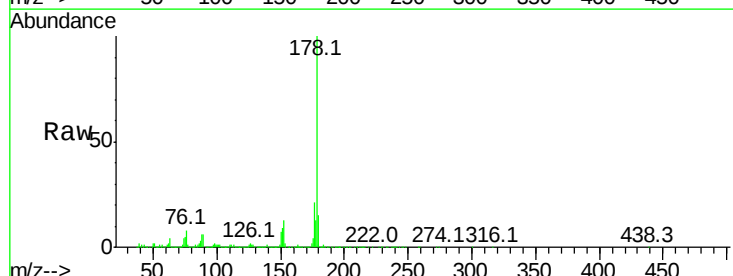
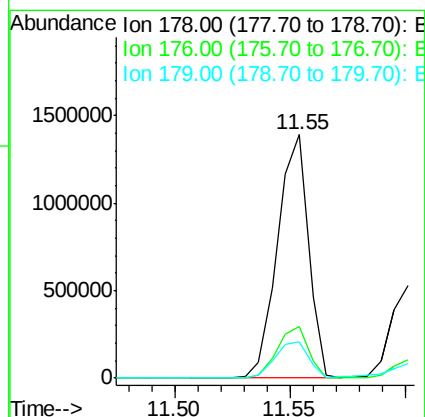
Manual Integrations
APPROVED

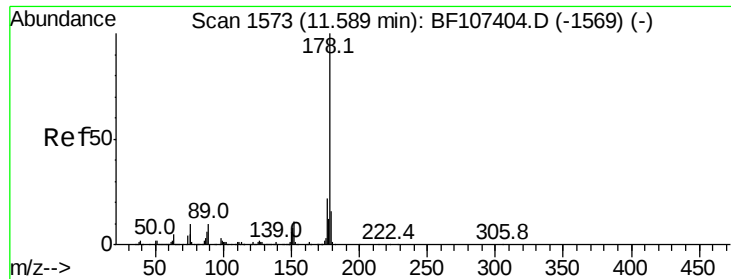
Sohil
7/18/2018 10:44:01 AM



#70
Phenanthrene
Concen: 52.014 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1291481		
176	21.3		15.8	23.8
179	15.0		13.0	19.6





#71

Anthracene

Concen: 17.342 ng

RT: 11.60 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

ClientSampleId :

PL-01-071318-B

Tot Ion:178 Resp: 428881

Ion Ratio Lower Upper

178 100

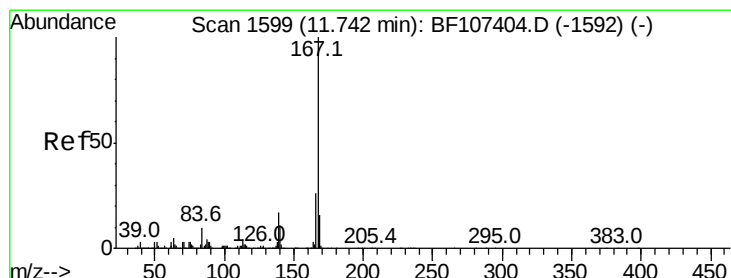
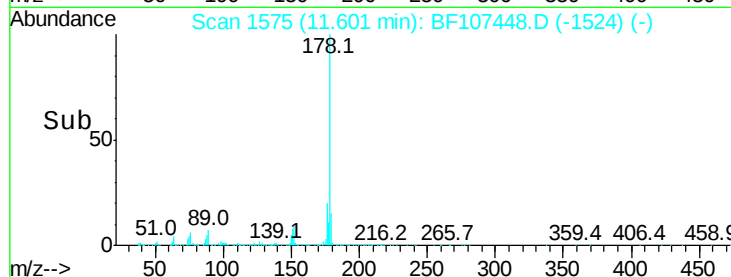
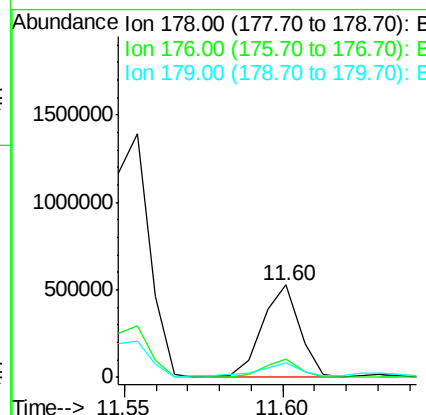
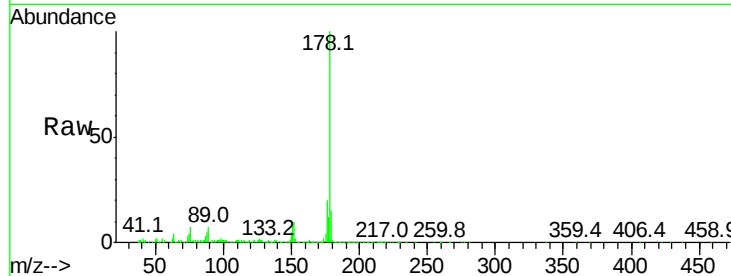
176 20.5 15.4 23.2

179 15.5 12.6 19.0

Manual Integrations
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Sohil

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#72

Carbazole

Concen: 2.465 ng

RT: 11.75 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

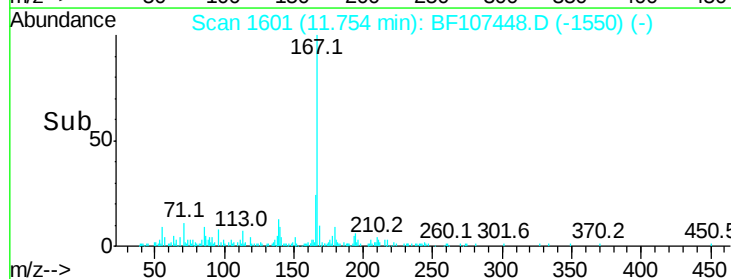
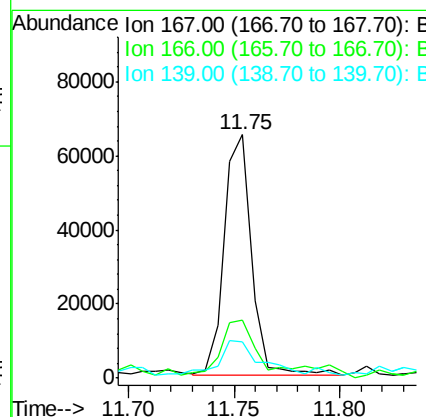
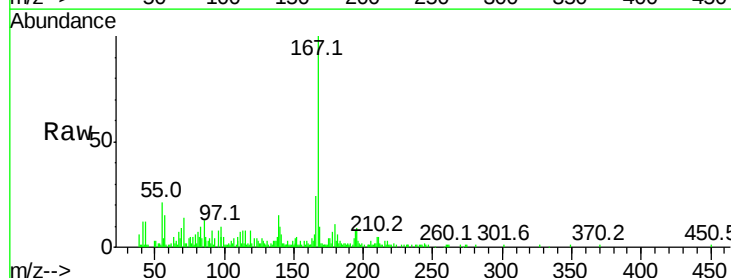
Tgt Ion:167 Resp: 57712

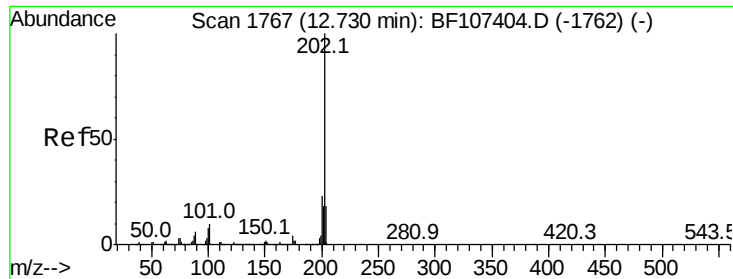
Ion Ratio Lower Upper

167 100

166 23.6 17.6 26.4

139 15.0 10.9 16.3





#74

Fluoranthene

Concen: 52.860 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

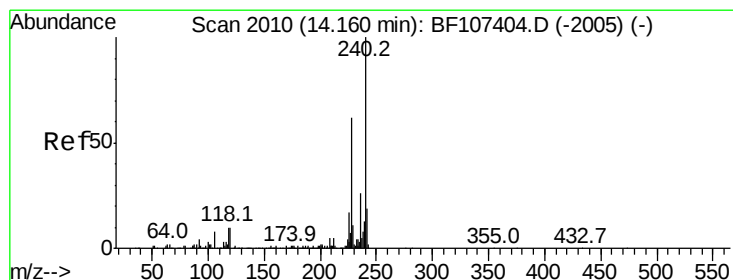
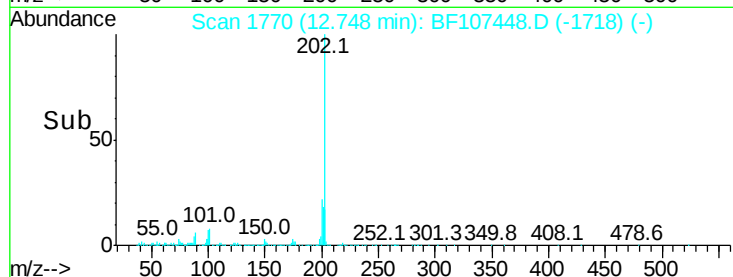
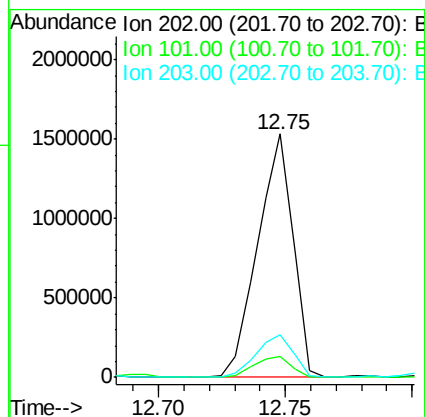
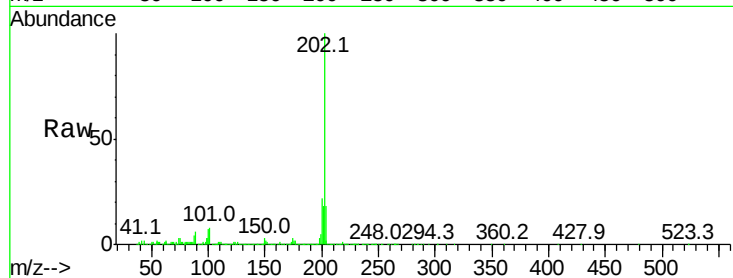
ClientSampleId :

PL-01-071318-B

Tot Ion:	202	Resp:	1491771
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

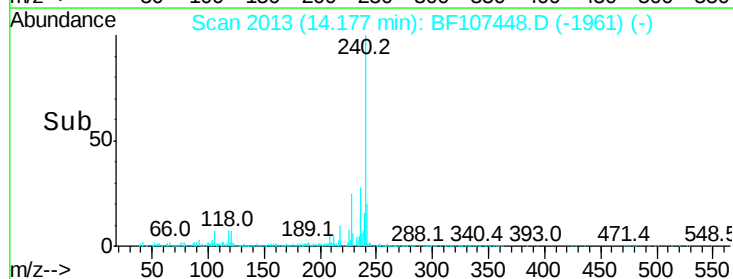
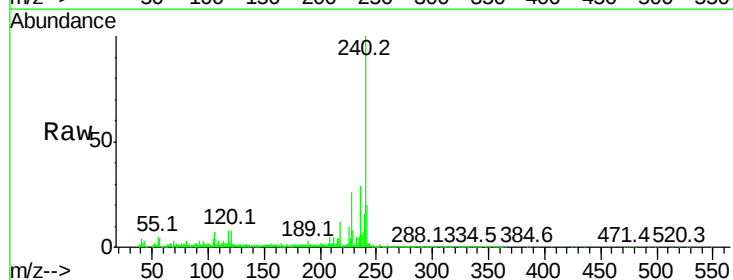
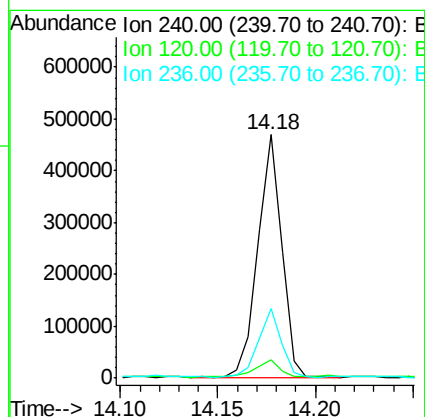
RT: 14.18 min Scan# 2013

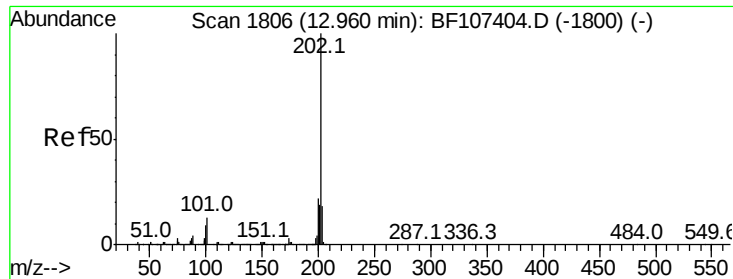
Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion:	240	Resp:	399631
Ion Ratio	Lower	Upper	
240	100		
120	7.7	9.5	14.3#
236	28.8	20.7	31.1





#77

Pvrene

Concen: 49.219 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

ClientSampleId :

PL-01-071318-B

Tot Ion:202 Resp: 1337567

Ion Ratio Lower Upper

202 100

200 22.9 17.4 26.2

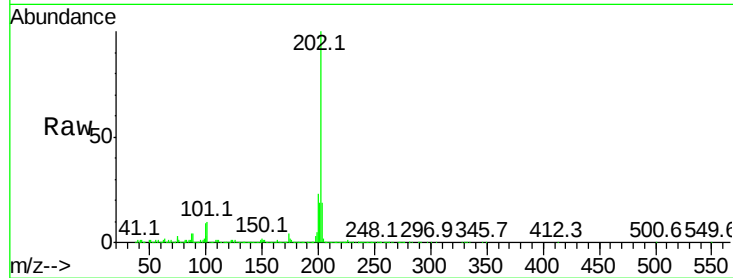
203 19.3 14.3 21.5

Manual Integrations

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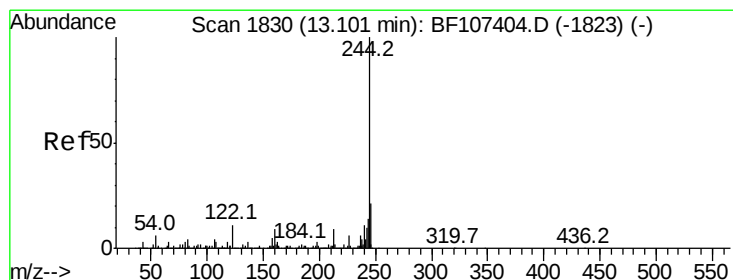
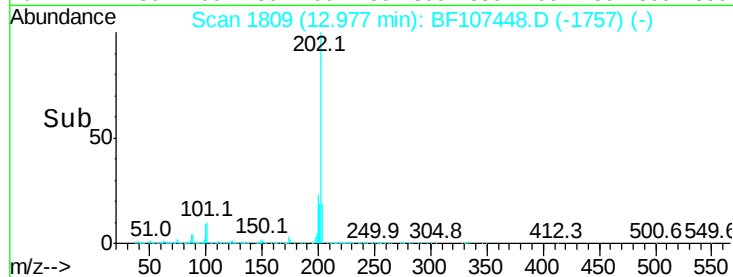
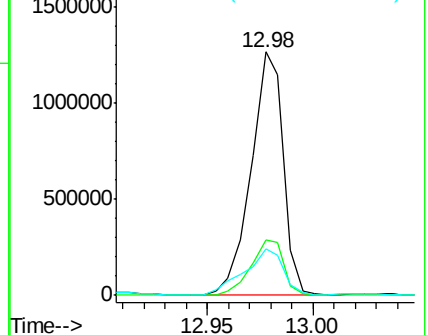
7/18/2018 10:44:01 AM



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: 34.092 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

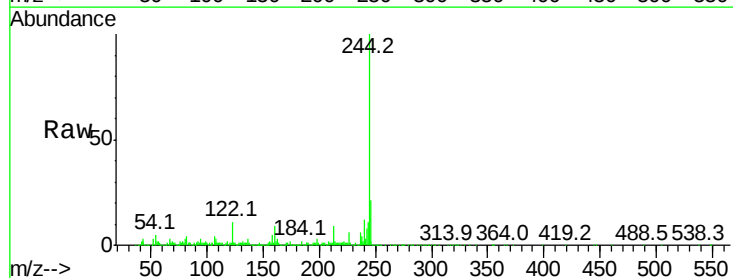
Tgt Ion:244 Resp: 548347

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

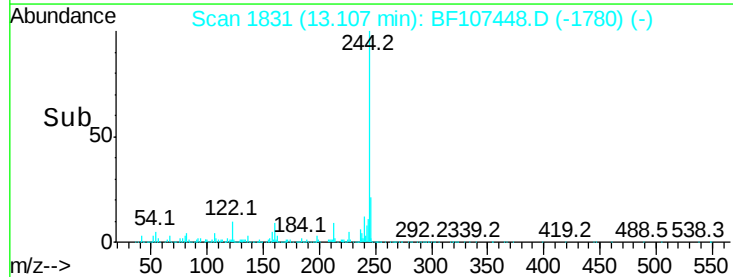
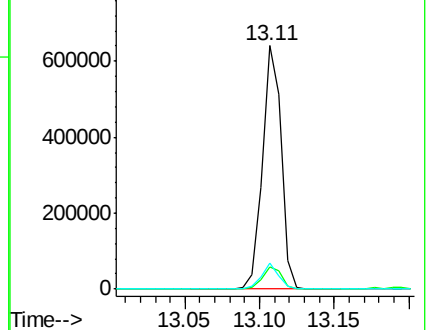
122 10.5 11.0 16.4#

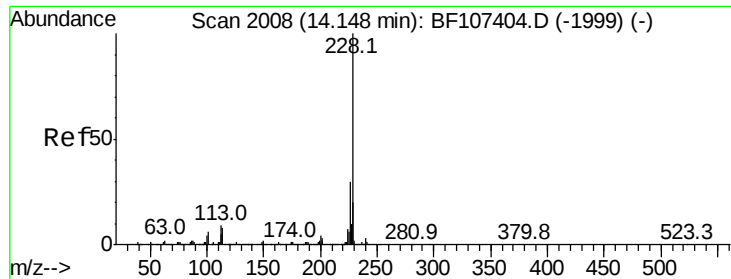


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





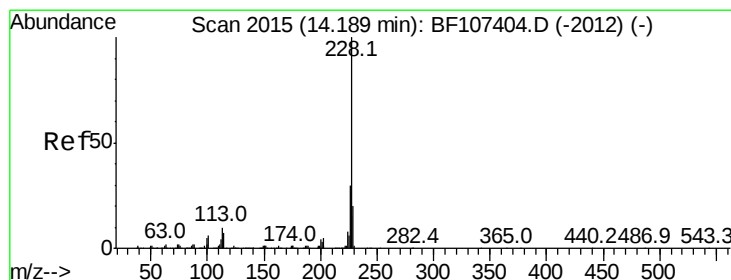
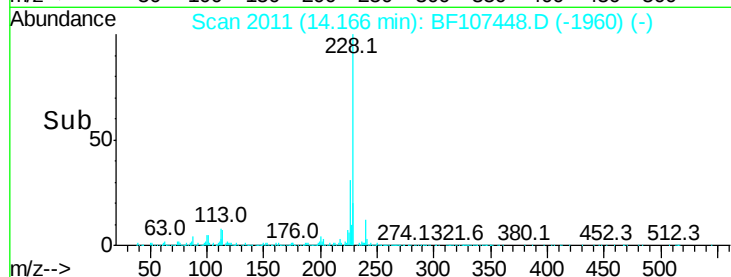
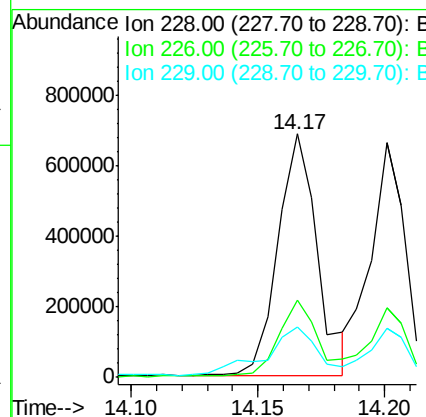
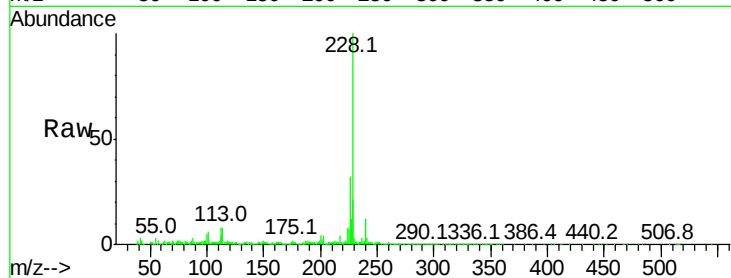
#80
Benzo(a)anthracene
Concen: 30.609 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.5	15.8	23.6

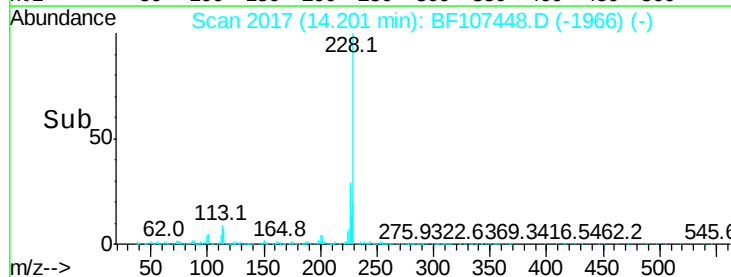
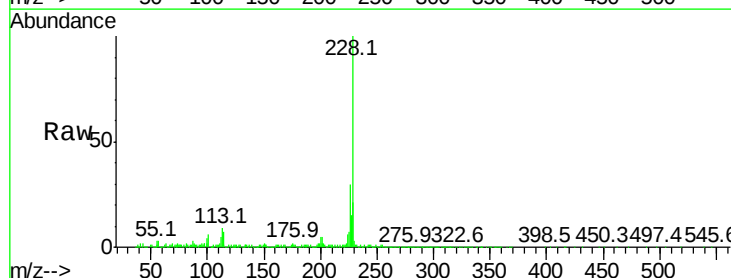
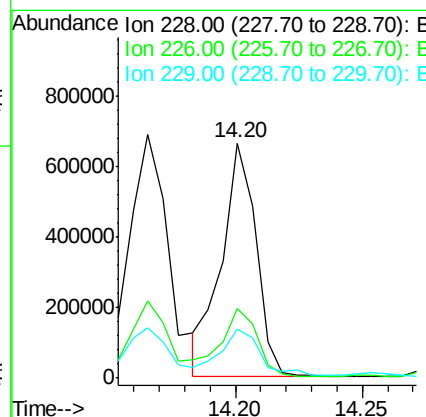
Manual Integrations
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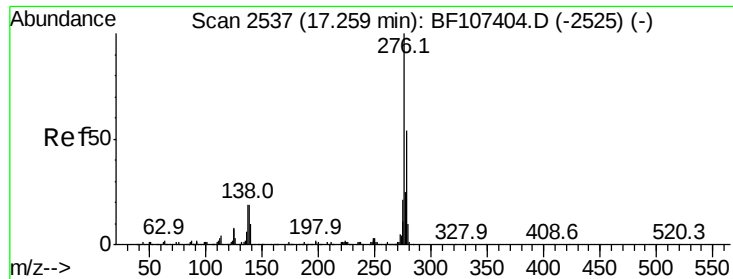
Sohil
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#82
Chrysene
Concen: 26.949 ng
RT: 14.20 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.457 ng

RT: 17.30 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

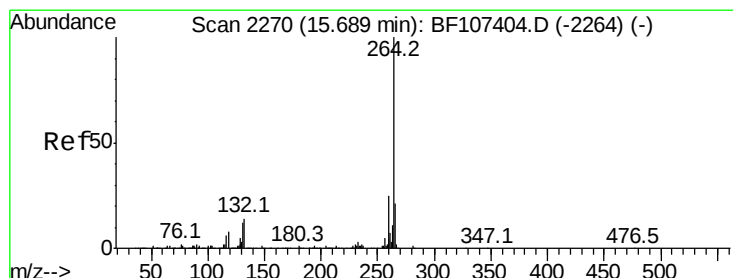
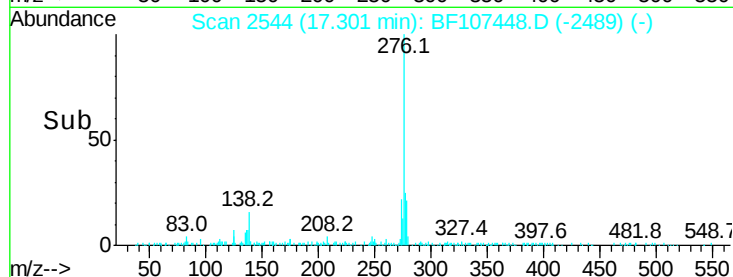
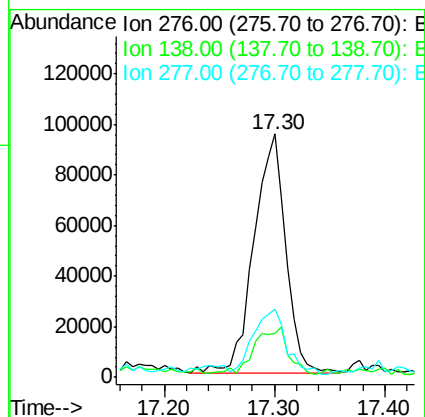
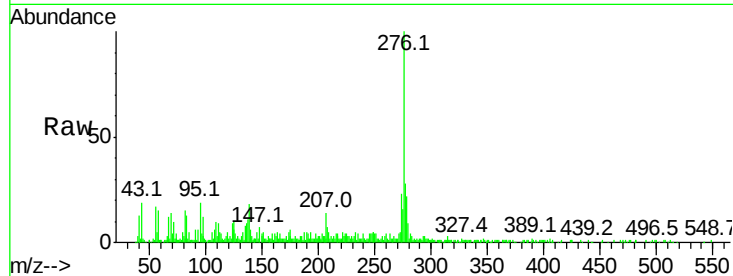
ClientSampleId :

PL-01-071318-B

Tot Ion:	276	Resp:	190494
Ion Ratio	Lower	Upper	
276	100		
138	20.7	25.0	37.6#
277	29.0	20.1	30.1

Manual Integrations
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Sohil
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#86

Perylene-d12

Concen: 20.000 ng

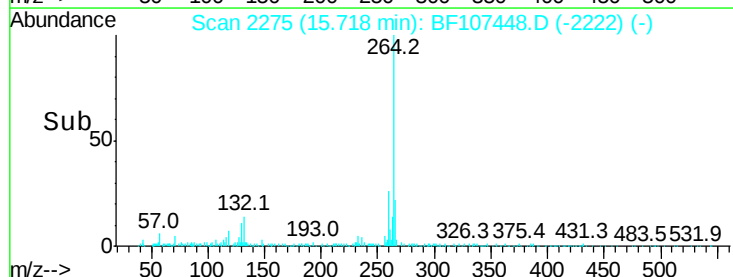
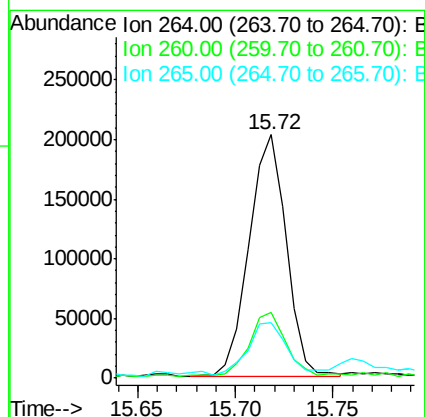
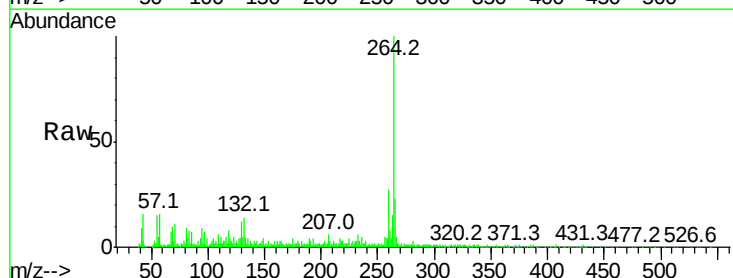
RT: 15.72 min Scan# 2275

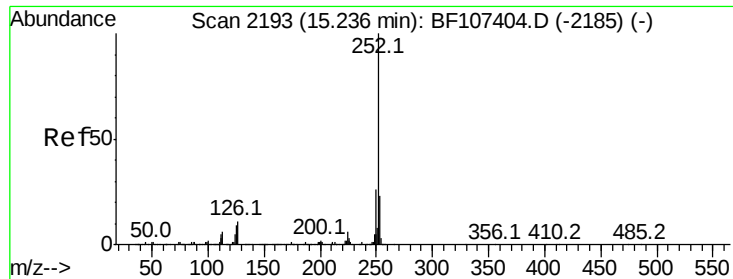
Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion:	264	Resp:	267222
Ion Ratio	Lower	Upper	
264	100		
260	26.8	19.2	28.8
265	23.0	17.5	26.3





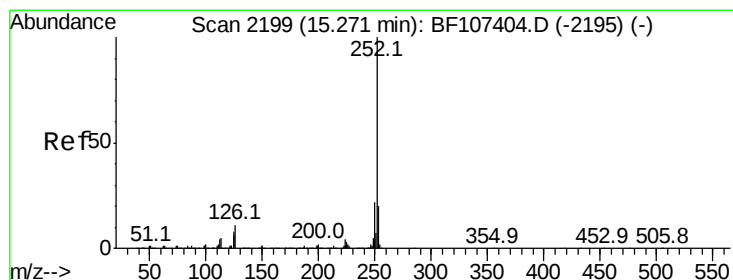
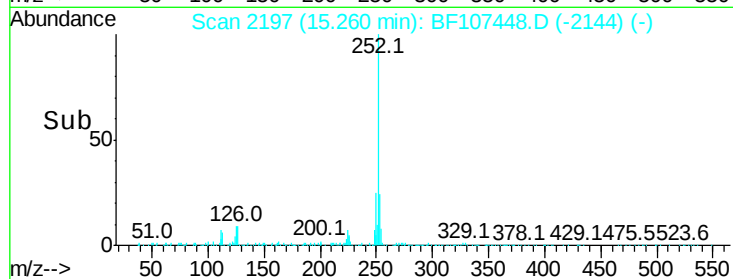
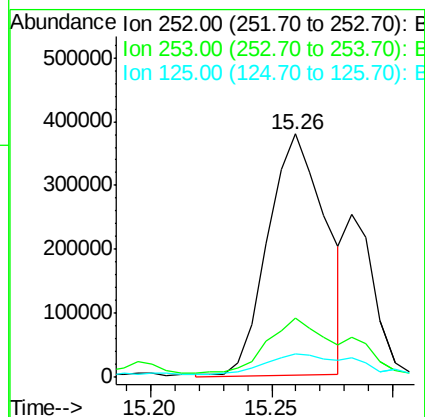
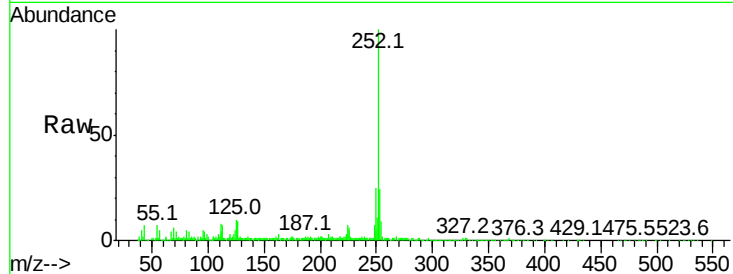
#87
Benzo(b)fluoranthene
Concen: 40.386 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	9.7	9.0	13.6

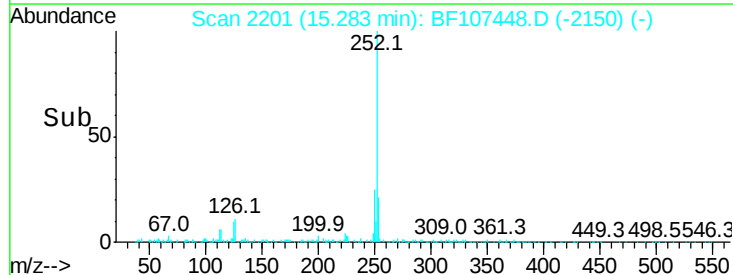
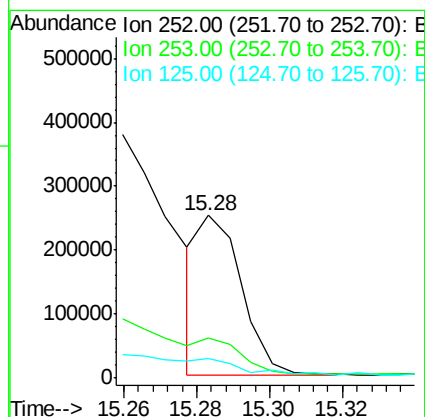
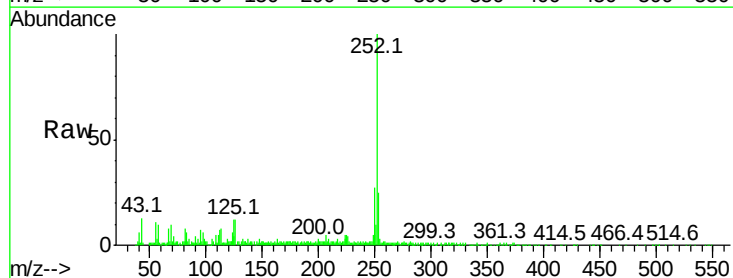
Manual Integrations
APPROVED

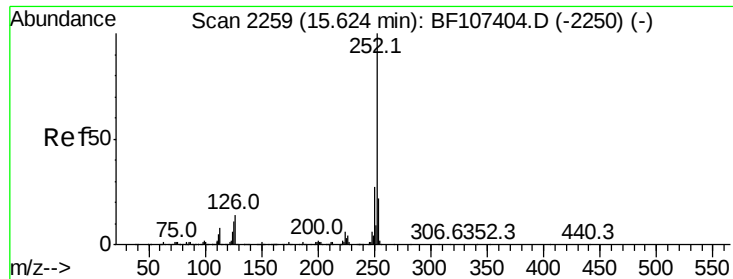
Sohil
7/18/2018 10:44:01 AM



#88
Benzo(k)fluoranthene
Concen: 13.172 ng m
RT: 15.28 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF107448.D
Acq: 17 Jul 2018 14:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	12.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 28.270 ng

RT: 15.65 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

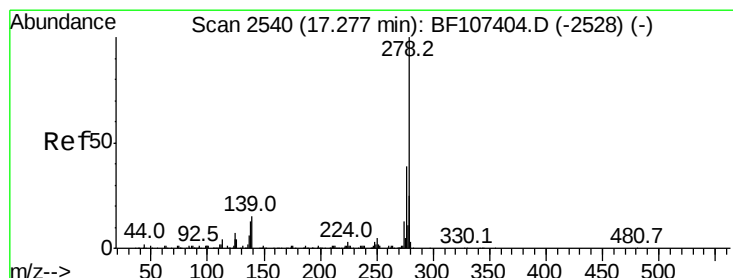
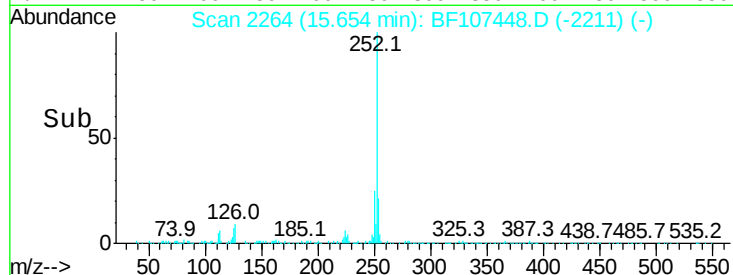
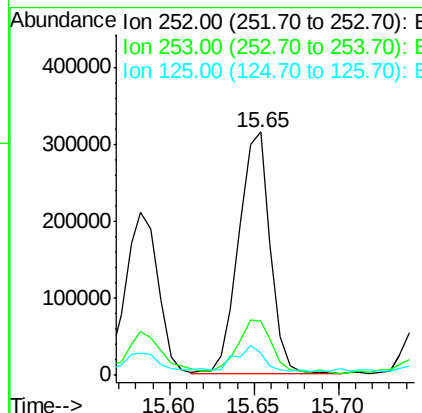
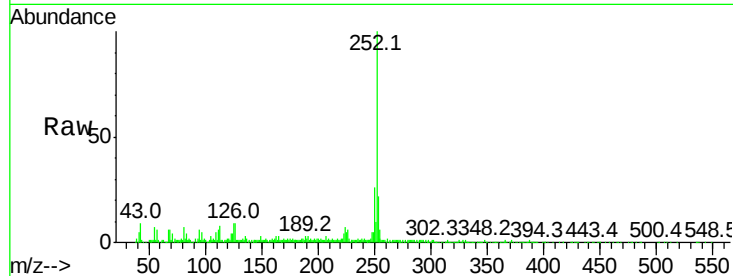
ClientSampleId :

PL-01-071318-B

Tot Ion:	252	Resp:	405841
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	8.9	9.8	14.6#

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 5.130 ng

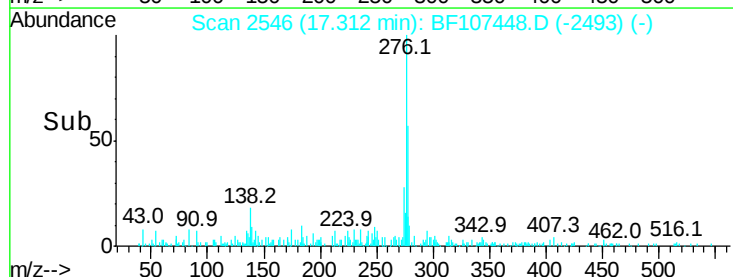
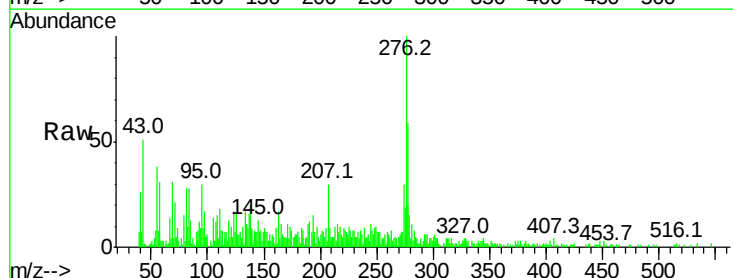
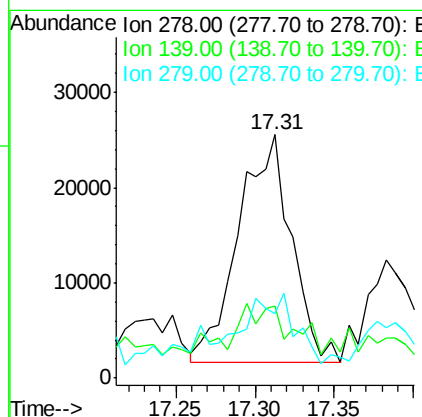
RT: 17.31 min Scan# 2546

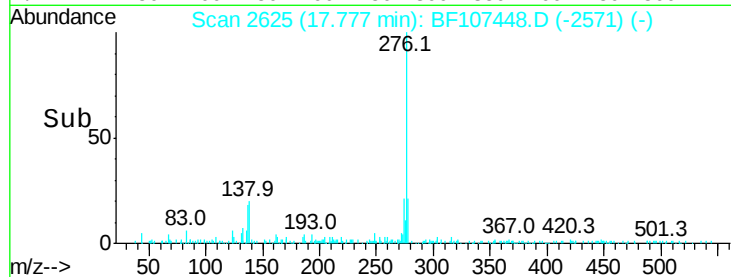
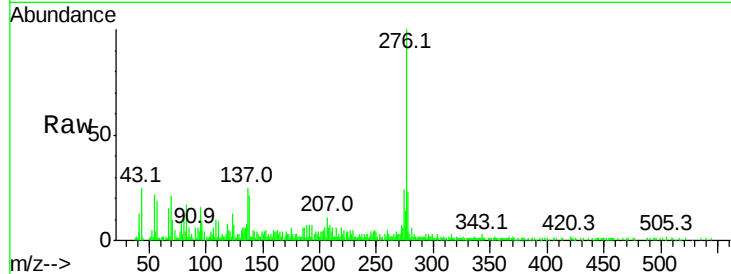
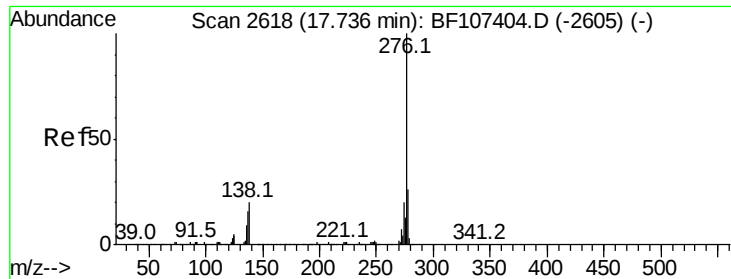
Delta R.T. 0.01 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Tgt Ion:	278	Resp:	55580
Ion Ratio	Lower	Upper	
278	100		
139	29.7	15.9	23.9#
279	26.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 16.566 ng

RT: 17.78 min Scan# 2625

Delta R.T. 0.02 min

Lab File: BF107448.D

Acq: 17 Jul 2018 14:43

Instrument :

BNA_F

ClientSampleId :

PL-01-071318-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	21.0	21.8	32.8#

Manual Integrations
APPROVED

Sohil
7/18/2018 10:44:01 AM

