

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107472.D
 Acq On : 18 Jul 2018 12:54
 Operator : JU/SJ
 Sample : J4016-11 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3-L-12-7

Manual Integrations
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Quant Time: Jul 18 14:38:26 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	139573	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	525979	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	299085	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	594838	20.00	ng	0.00
75) Chrysene-d12	14.18	240	328068	20.00	ng	0.00
86) Perylene-d12	15.72	264	344584	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	360329	39.21	ng	0.00
7) Phenol-d6	6.61	99	473335	39.84	ng	0.00
23) Nitrobenzene-d5	7.54	82	336586	34.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	92413	35.17	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	544716	22.38	ng	0.00
78) Terphenyl-d14	13.11	244	521272	39.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.29	128	164524	6.440	ng	96
37) 2-Methylnaphthalene	8.98	142	50556	3.002	ng	# 89
48) Acenaphthylene	9.89	152	116200	4.077	ng	97
49) Dimethylphthalate	9.73	163	104825	4.411	ng	# 94
51) Acenaphthene	10.06	154	106149	5.618	ng	92
54) Dibenzofuran	10.23	168	160750	5.505	ng	91
57) Fluorene	10.58	166	191007	9.877	ng	92
70) Phenanthrene	11.56	178	2088854	70.464	ng	98
71) Anthracene	11.60	178	569397	19.284	ng	97
72) Carbazole	11.75	167	179373	6.417	ng	100
74) Fluoranthene	12.75	202	2482183	73.670	ng	93
77) Pyrene	12.98	202	2084490	93.436	ng	97
80) Benzo(a)anthracene	14.17	228	1052590	52.438	ng	95
82) Chrysene	14.21	228	900224	46.948	ng	98
85) Indeno(1,2,3-cd)pyrene	17.31	276	510271	37.386	ng	# 82
87) Benzo(b)fluoranthene	15.27	252	1061274m	52.619	ng	
88) Benzo(k)fluoranthene	15.29	252	431573m	21.926	ng	
89) Benzo(a)pyrene	15.66	252	837177m	45.223	ng	
90) Dibenzo(a,h)anthracene	17.31	278	118449	8.478	ng	96
91) Benzo(a,h,i)perylene	17.79	276	444725	31.327	ng	# 88

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

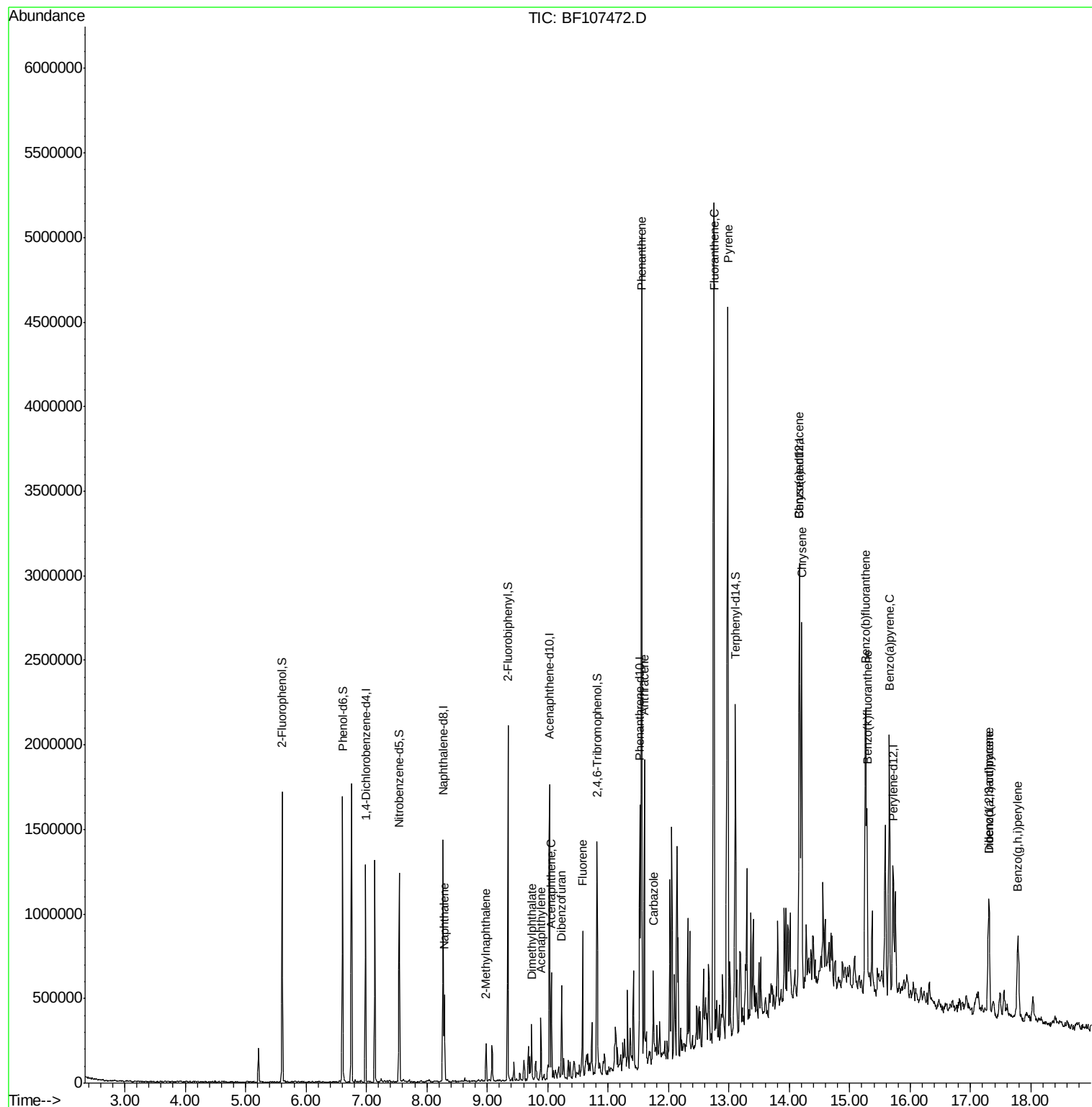
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107472.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

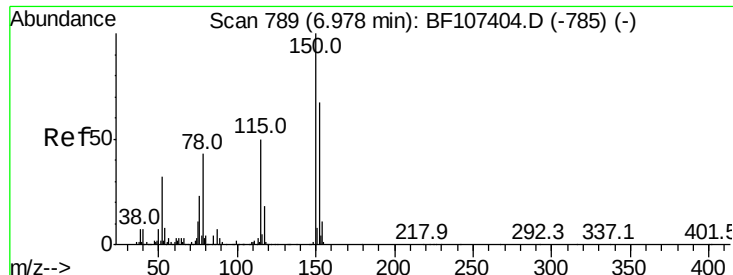
Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Quant Time: Jul 18 14:38:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
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QLast Update : Tue Jul 17 11:29:08 2018
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#1

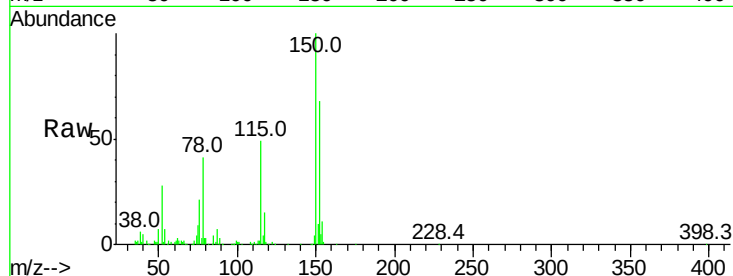
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

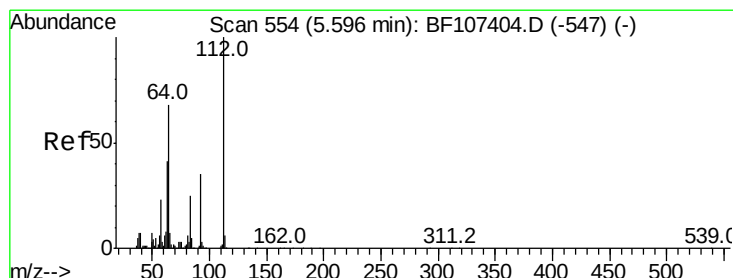
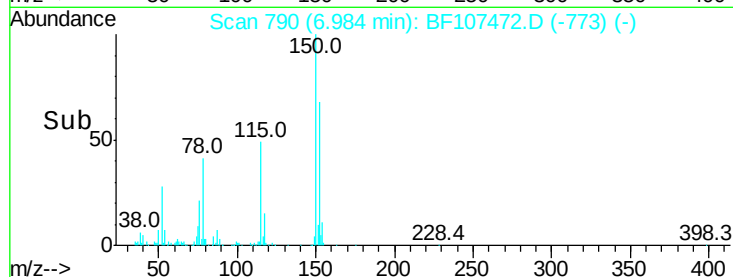
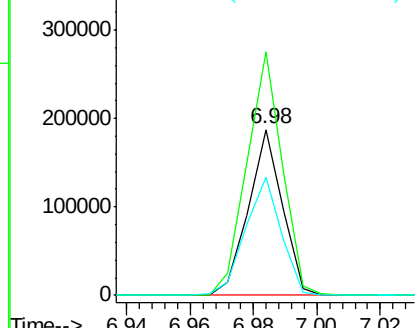
Tot Ion	Ratio	Lower	Upper
152	100		
150	146.7	124.6	186.8
115	71.4	50.1	75.1

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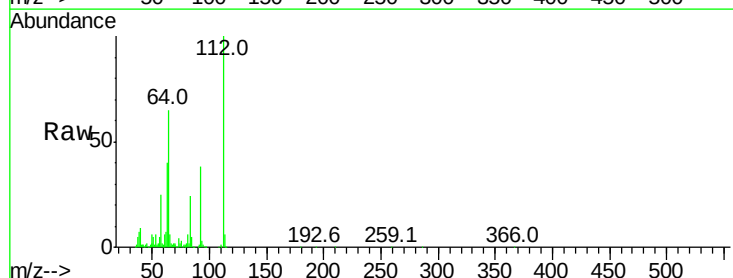
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



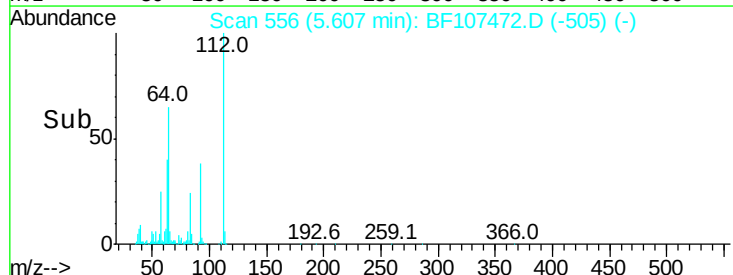
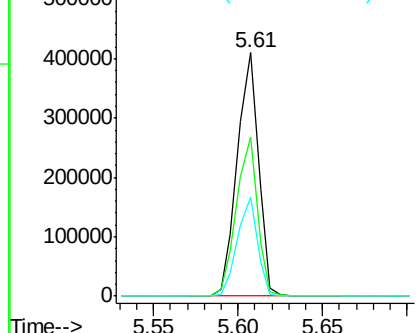
#5

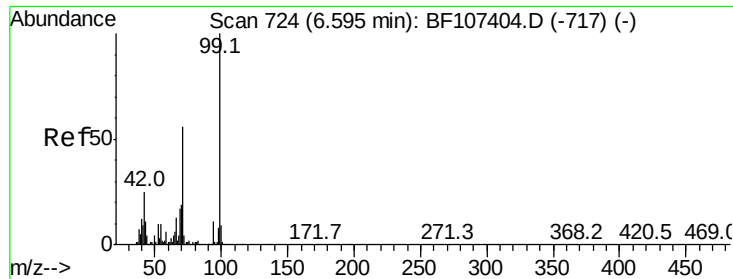
2-Fluorophenol
Concen: 39.209 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	40.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 39.837 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

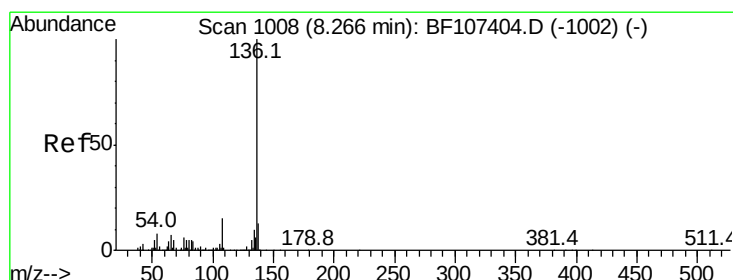
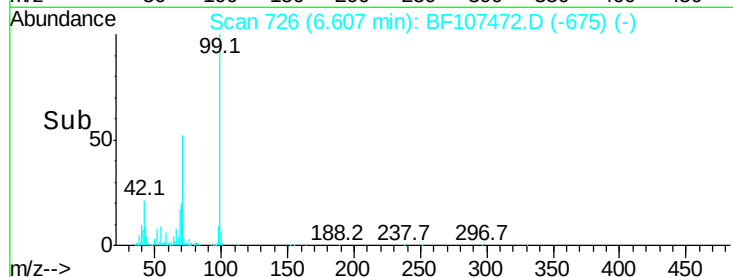
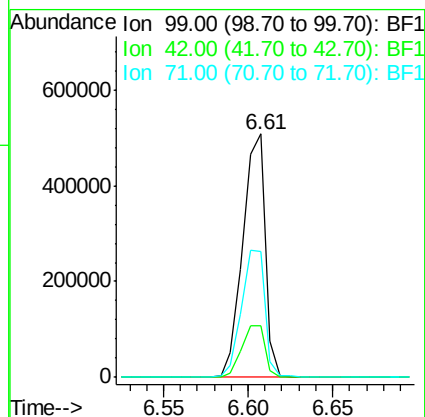
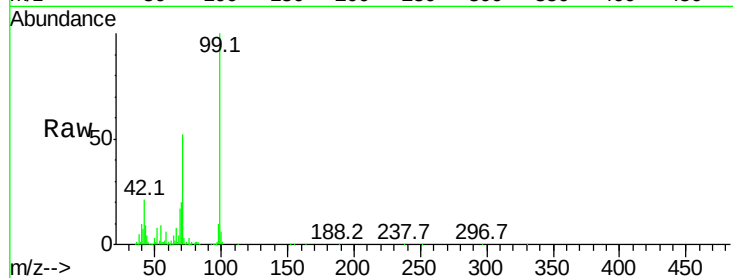
ClientSampleId :

SB3-L-12-7

Tot Ion	Ratio	Resp	Lower	Upper
99	100	473335		
42	21.1	14.5	21.7	
71	51.8	25.4	38.0	

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#21

Naphthalene-d8

Concen: 20.000 ng

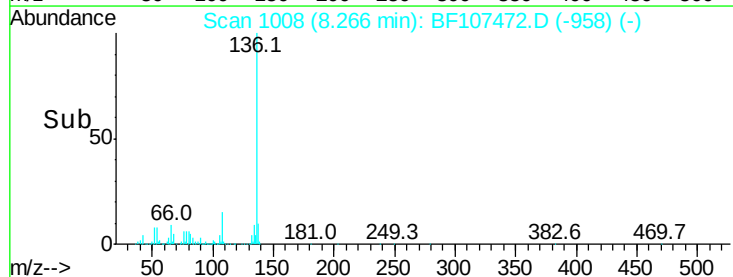
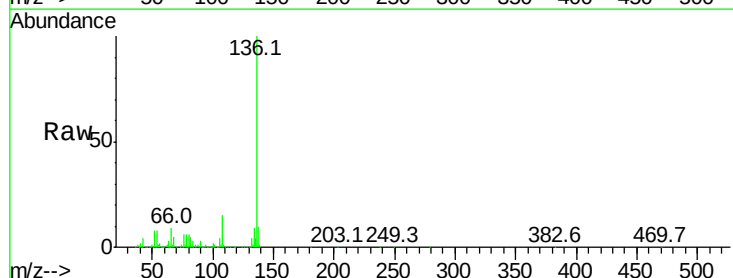
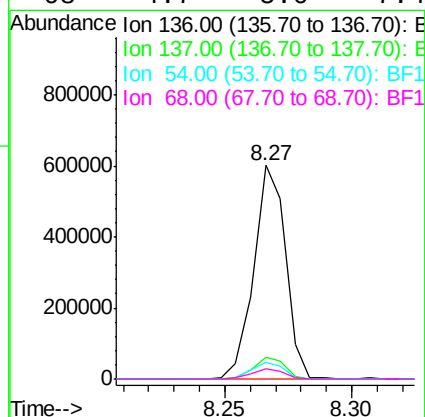
RT: 8.27 min Scan# 1008

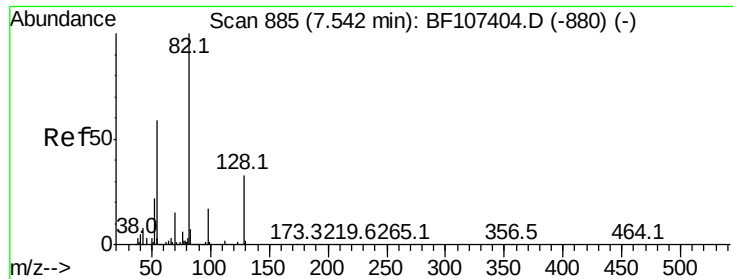
Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	525979		
137	10.1	8.9	13.3	
54	8.0	6.6	9.8	
68	4.7	5.0	7.4	





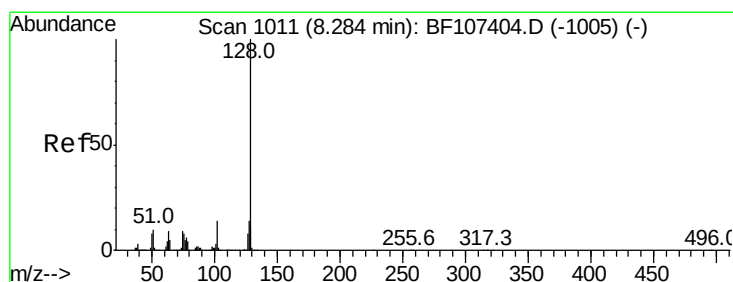
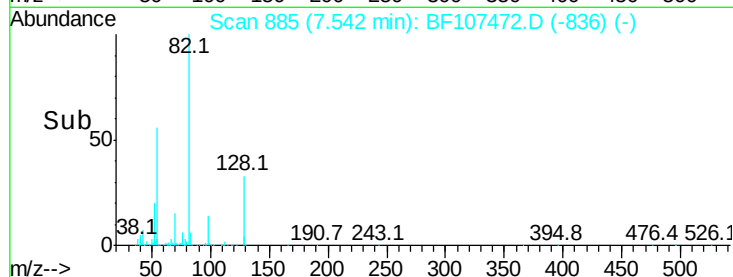
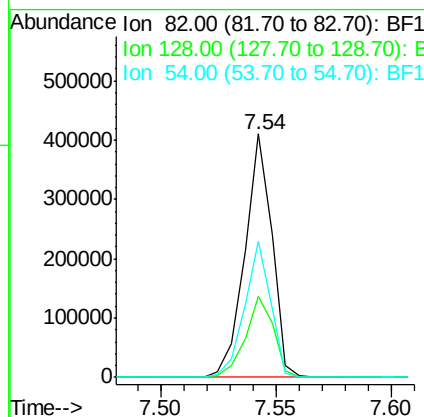
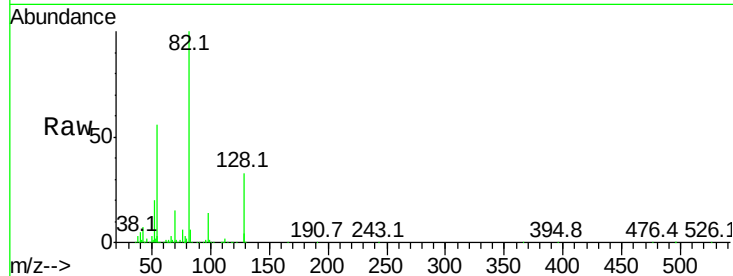
#23
 Nitrobenzene-d5
 Concen: 34.123 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF107472.D
 Acq: 18 Jul 2018 12:54

Instrument :
 BNA_F
 ClientSampleId :
 SB3-L-12-7

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	33.1	36.1	54.1#
54	55.9	41.4	62.2

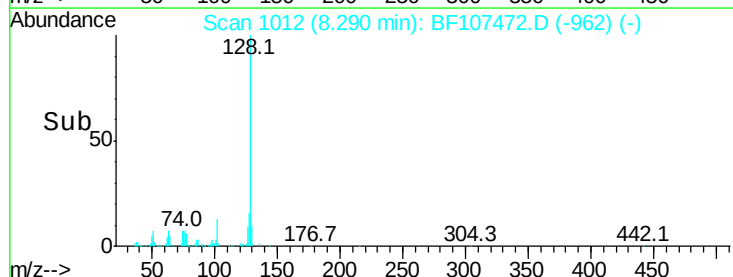
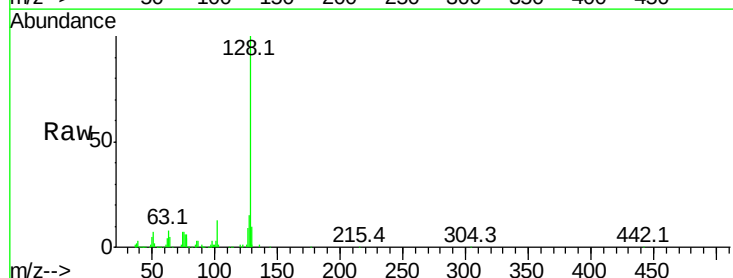
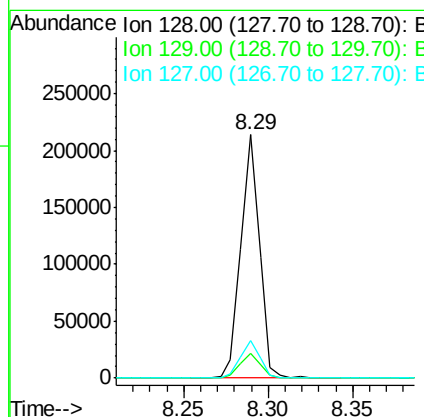
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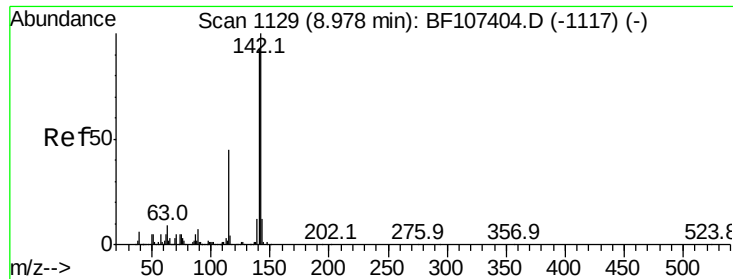
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#31
 Naphthalene
 Concen: 6.440 ng
 RT: 8.29 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF107472.D
 Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	9.9	8.8	13.2
127	15.5	10.9	16.3





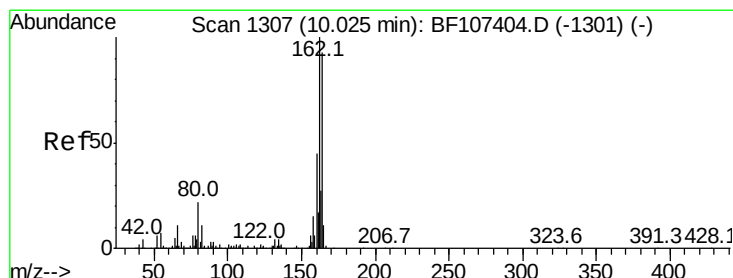
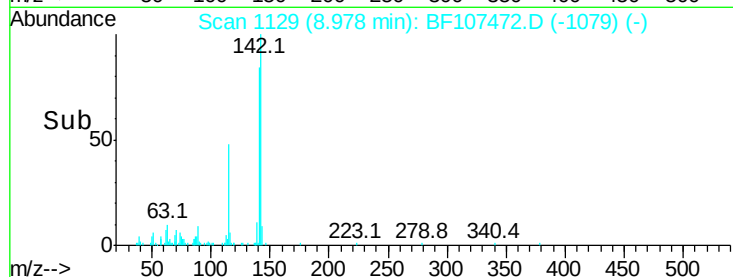
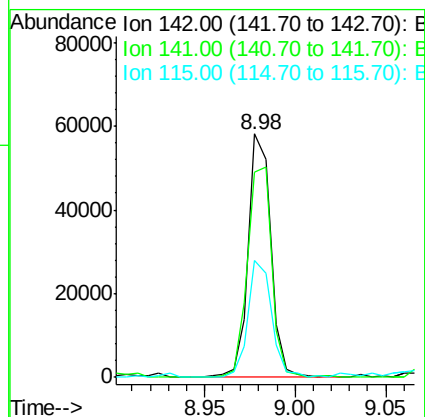
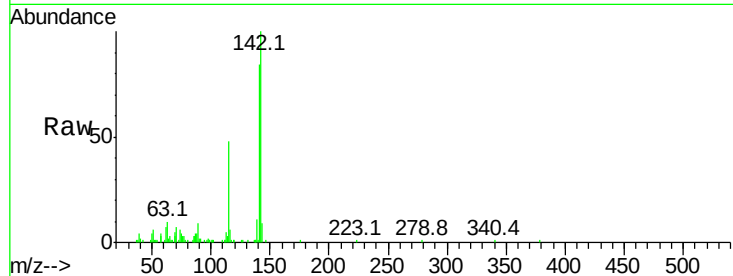
#37
2-Methylnaphthalene
Concen: 3.002 ng
RT: 8.98 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	84.3	70.8	106.2
115	48.3	26.1	39.1#

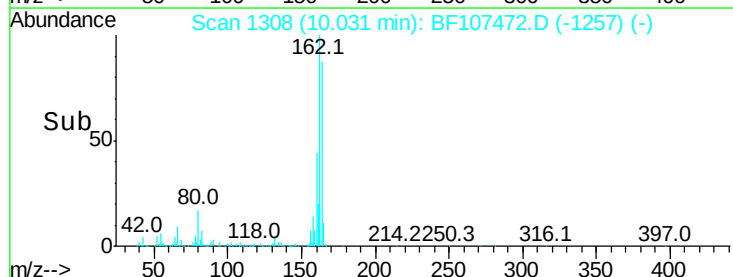
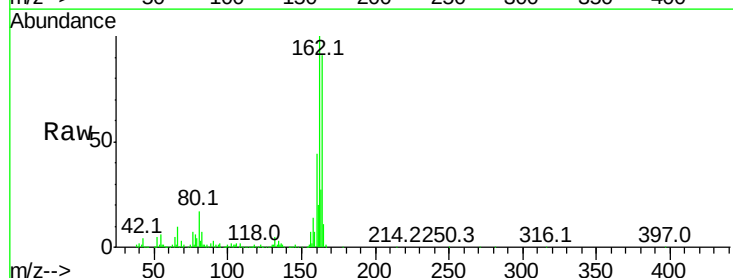
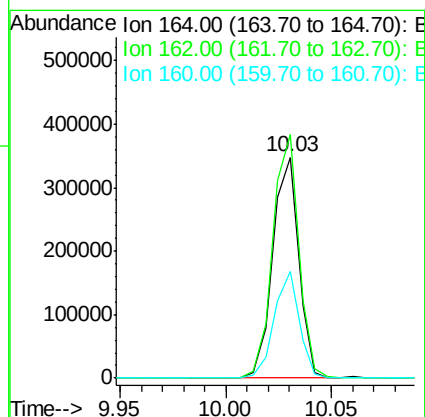
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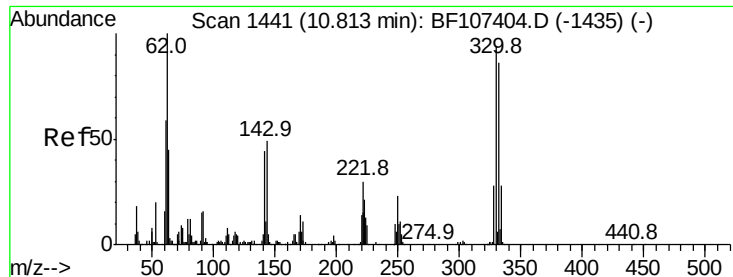
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	110.3	86.1	129.1
160	48.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 35.167 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

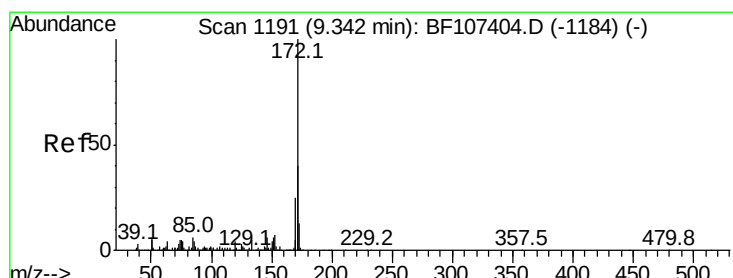
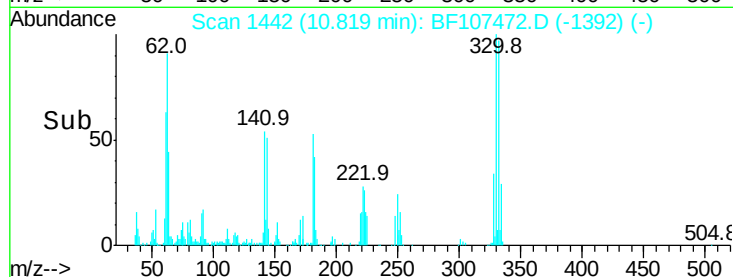
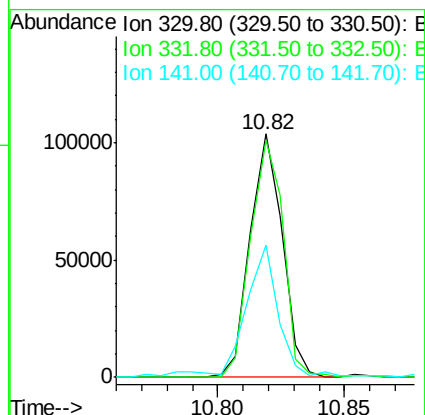
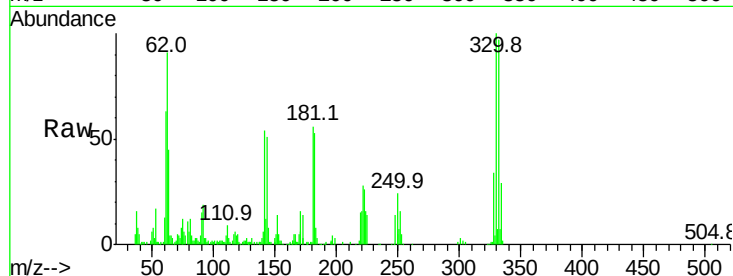
ClientSampleId :

SB3-L-12-7

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.0	115.6
141	57.1	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 22.381 ng

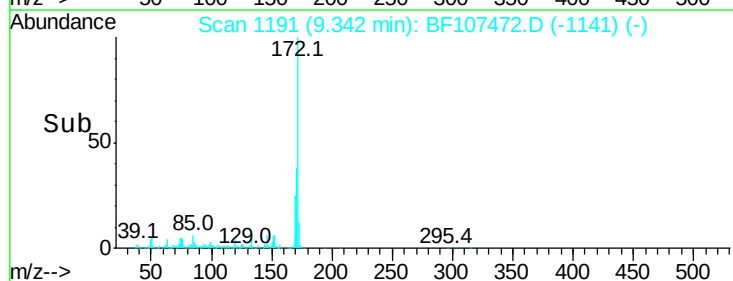
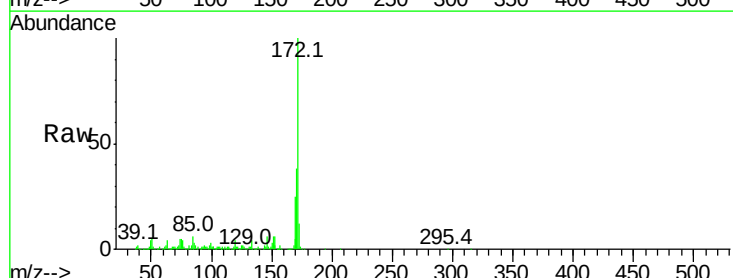
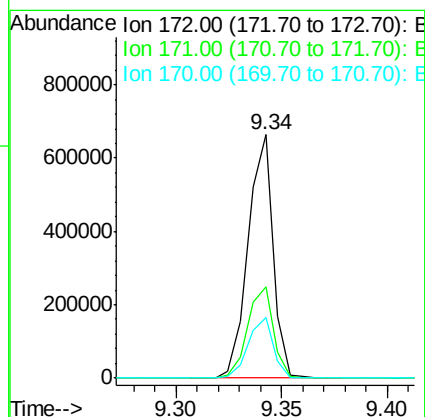
RT: 9.34 min Scan# 1191

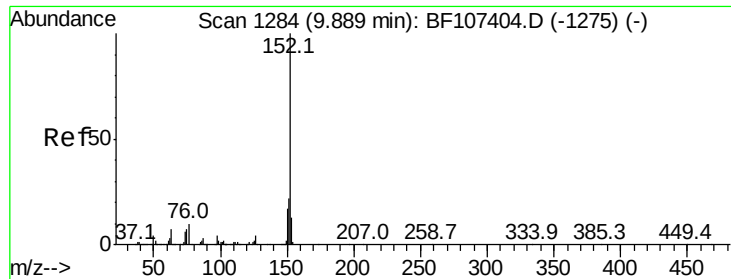
Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.7	44.5
170	25.1	19.6	29.4





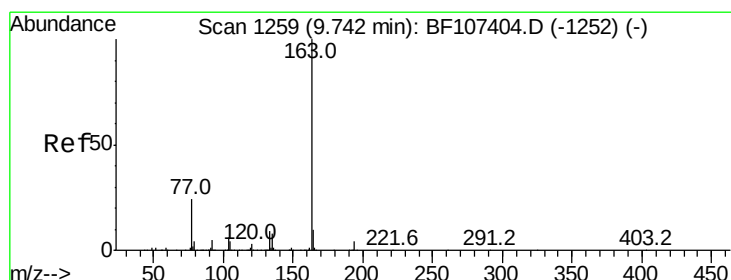
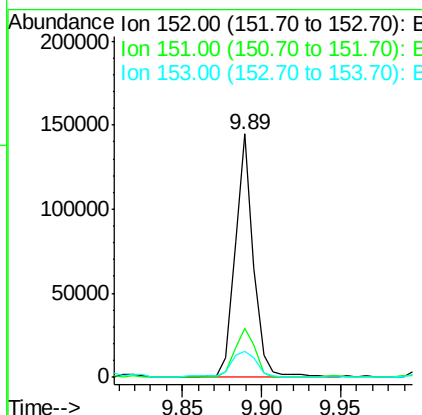
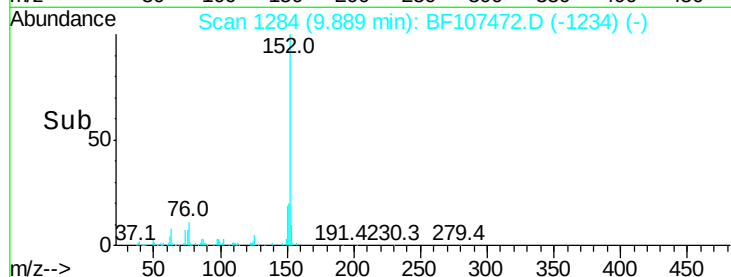
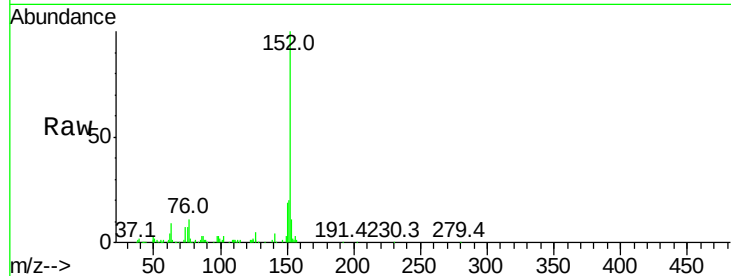
#48
Acenaphthylene
Concen: 4.077 ng
RT: 9.89 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Tot Ion	Ratio	Resp	Lower	Upper
152	100	116200		
151	20.3	16.3	24.5	
153	10.9	10.7	16.1	

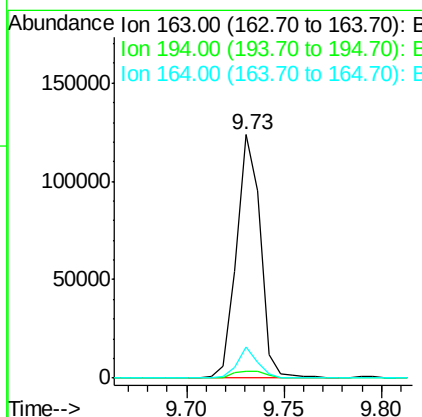
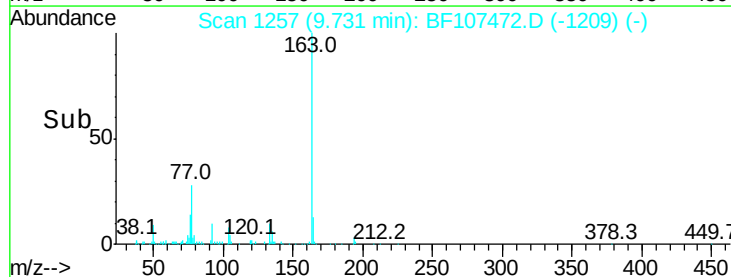
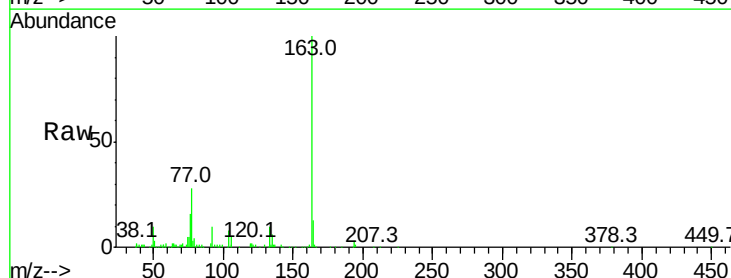
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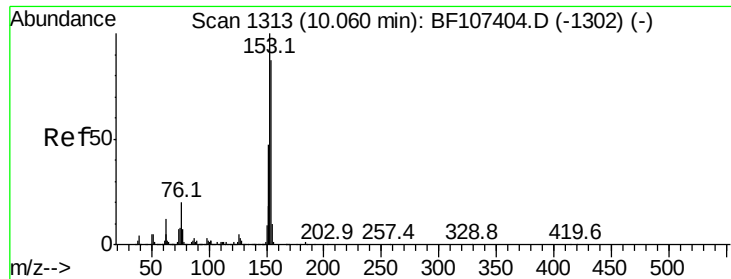
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#49
Dimethylphthalate
Concen: 4.411 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104825		
194	2.7	2.7	4.1#	
164	12.7	8.2	12.2#	





#51

Acenaphthene

Concen: 5.618 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

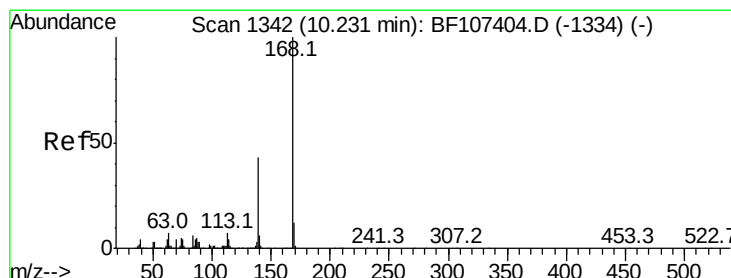
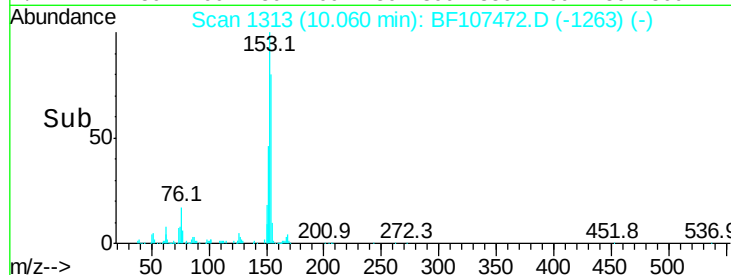
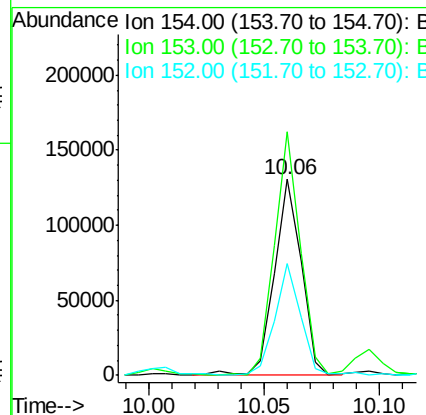
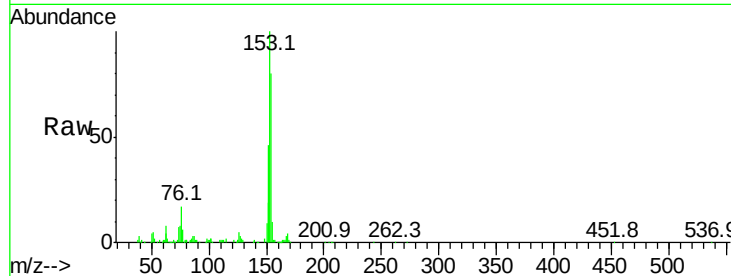
ClientSampleId :

SB3-L-12-7

Tot Ion:	154	Resp:	106149
Ion Ratio	Lower	Upper	
154	100		
153	124.3	91.2	136.8
152	57.3	43.8	65.8

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#54

Dibenzofuran

Concen: 5.505 ng

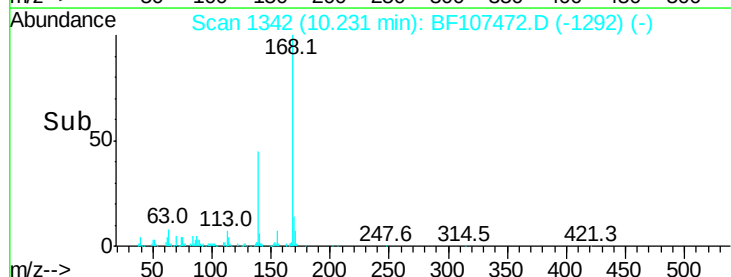
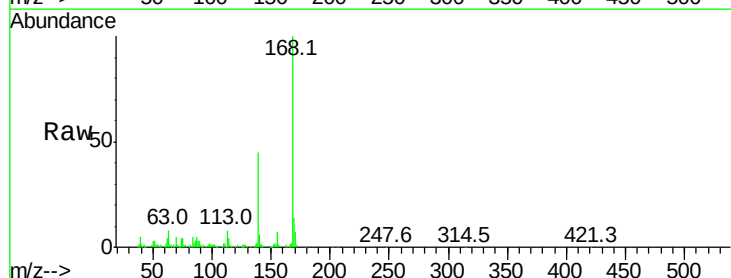
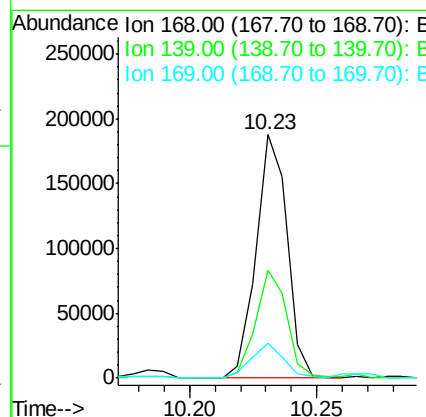
RT: 10.23 min Scan# 1342

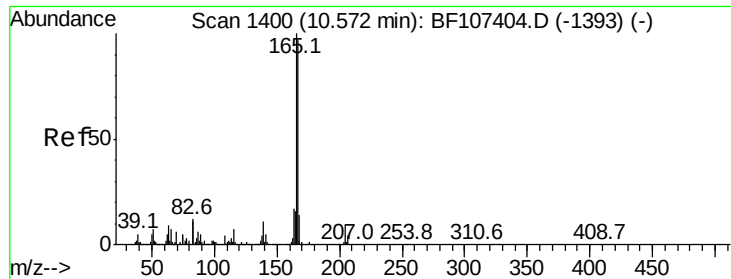
Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion:	168	Resp:	160750
Ion Ratio	Lower	Upper	
168	100		
139	44.5	30.1	45.1
169	14.4	10.9	16.3





#57

Fluorene

Concen: 9.877 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

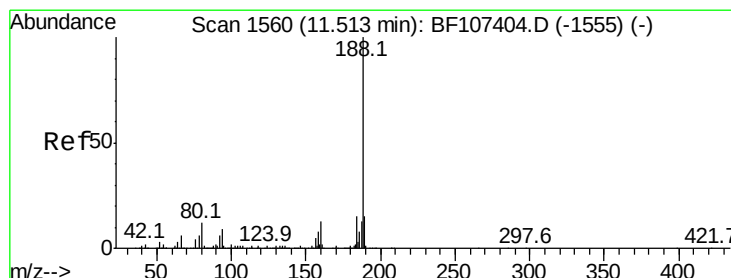
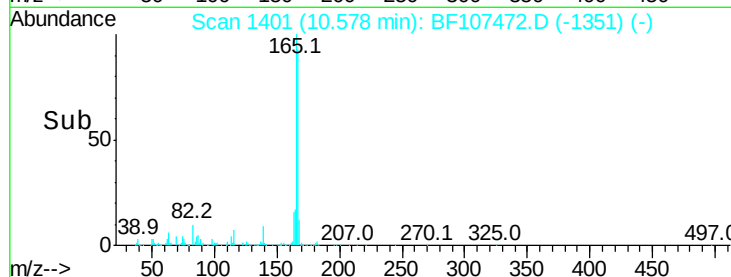
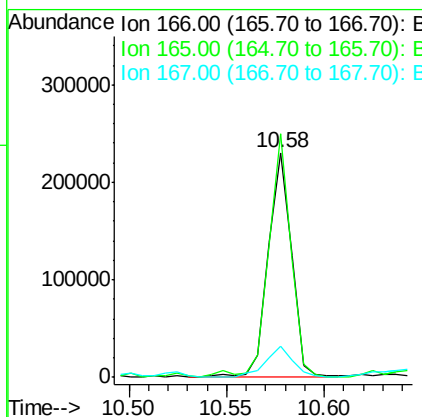
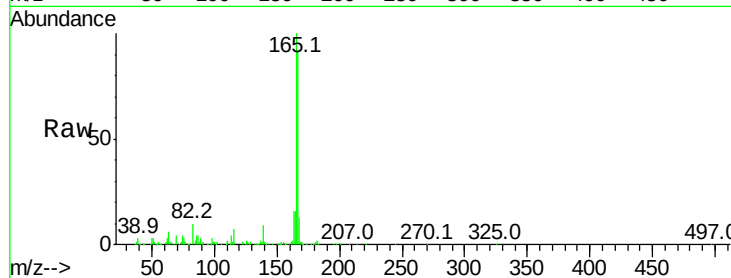
ClientSampleId :

SB3-L-12-7

Tot Ion:	166	Resp:	191007
Ion Ratio	Lower	Upper	
166	100		
165	108.2	79.8	119.8
167	13.8	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

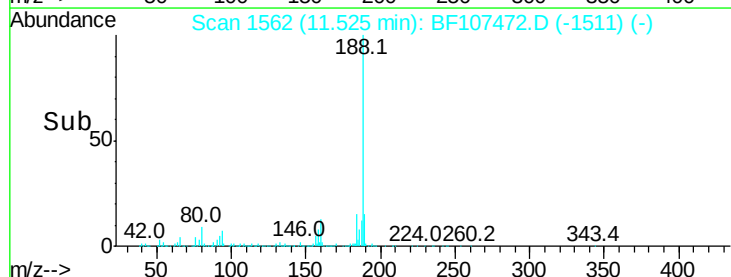
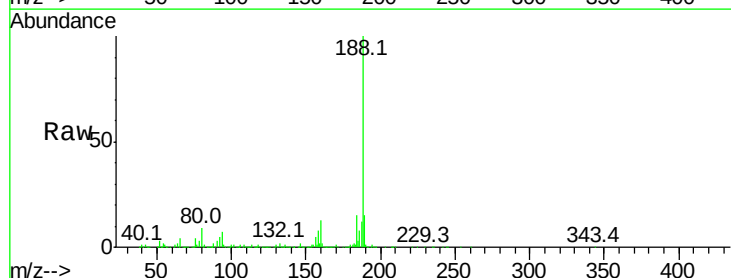
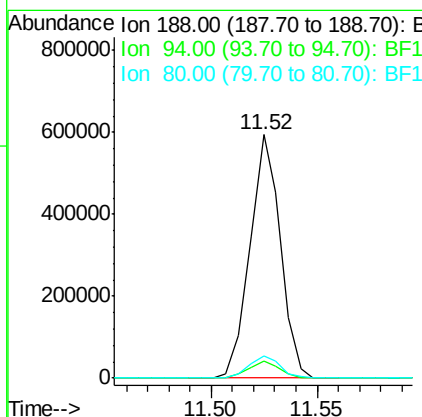
RT: 11.52 min Scan# 1562

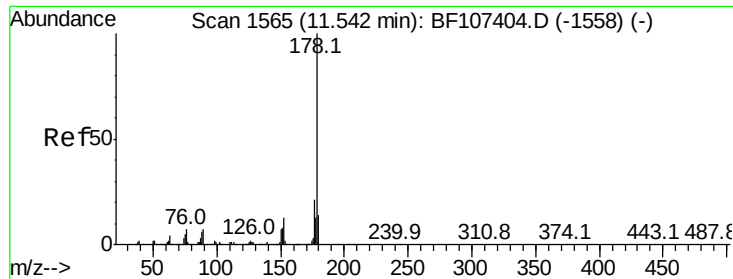
Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion:	188	Resp:	594838
Ion Ratio	Lower	Upper	
188	100		
94	6.8	8.5	12.7#
80	9.1	9.2	13.8#





#70

Phenanthrene

Concen: 70.464 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

Tot Ion:178 Resp: 2088854

Ion Ratio Lower Upper

178 100

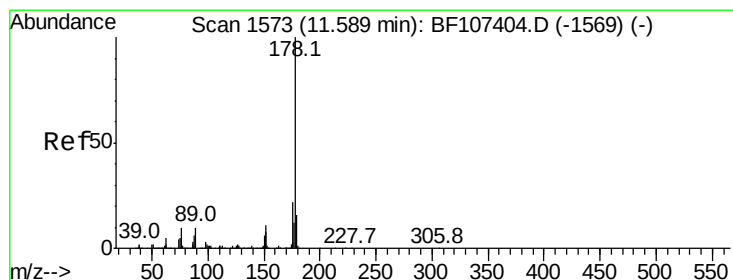
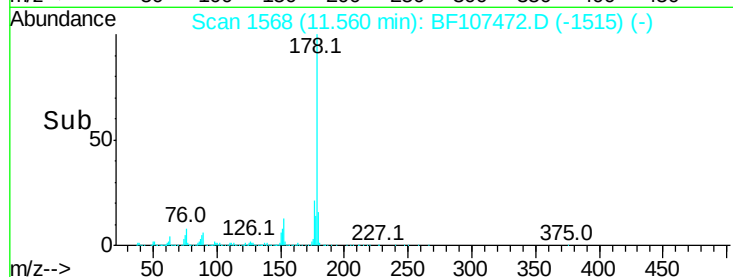
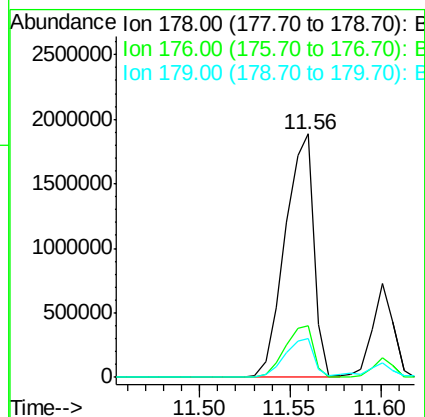
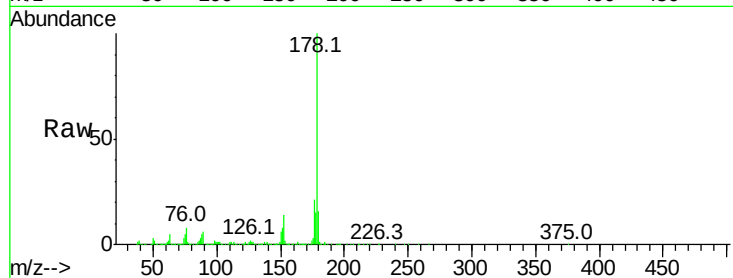
176 21.4 15.8 23.8

179 15.9 13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 19.284 ng

RT: 11.60 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

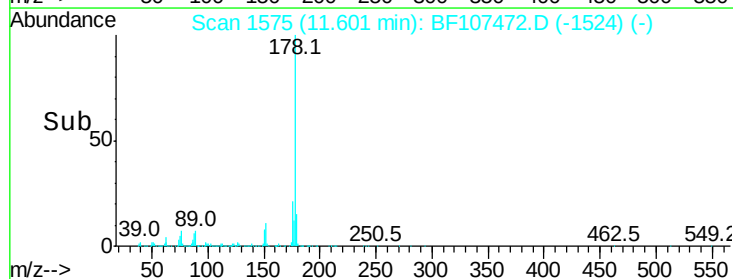
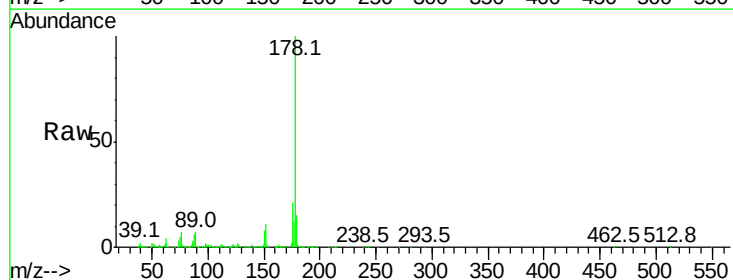
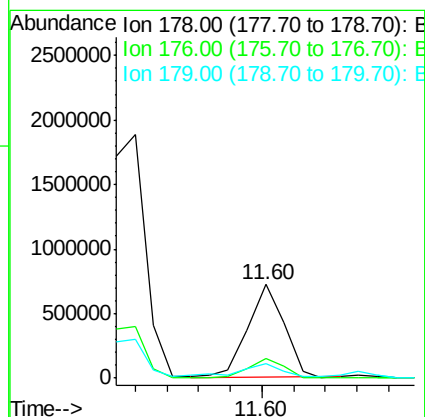
Tgt Ion:178 Resp: 569397

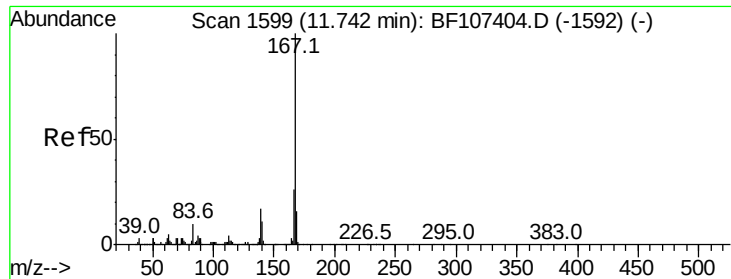
Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.2

179 15.1 12.6 19.0





#72

Carbazole

Concen: 6.417 ng

RT: 11.75 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

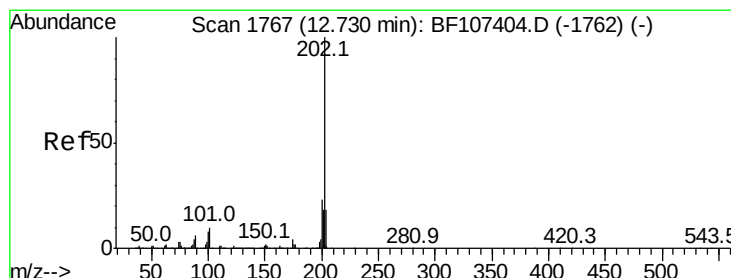
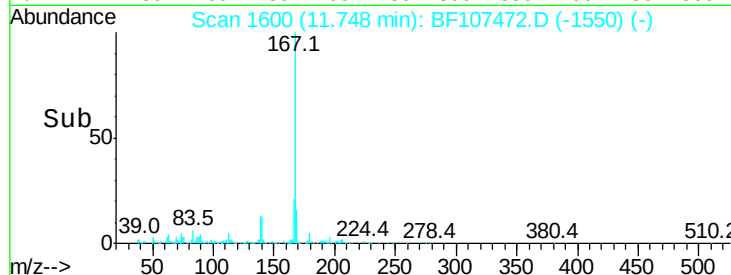
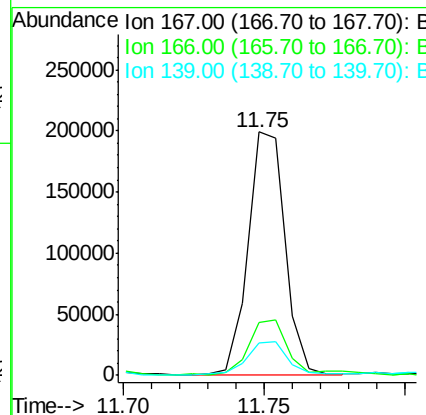
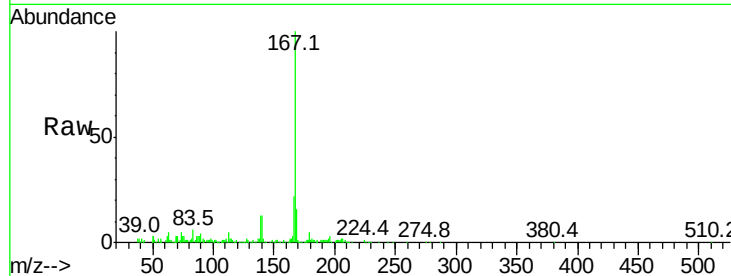
ClientSampleId :

SB3-L-12-7

Tot Ion:	167	Resp:	179373
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 73.670 ng

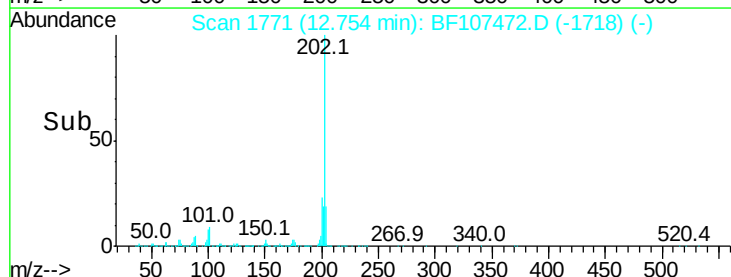
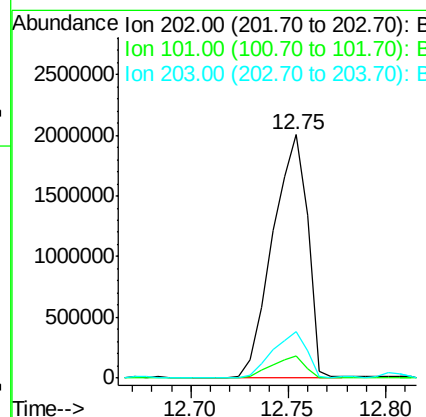
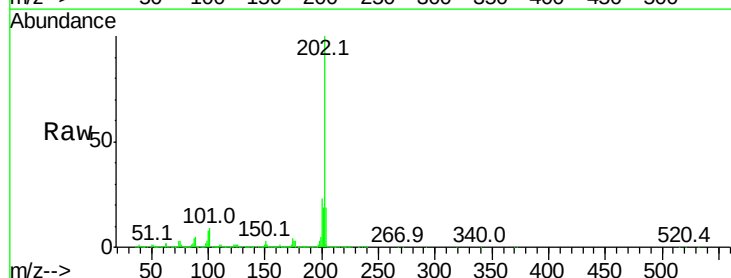
RT: 12.75 min Scan# 1771

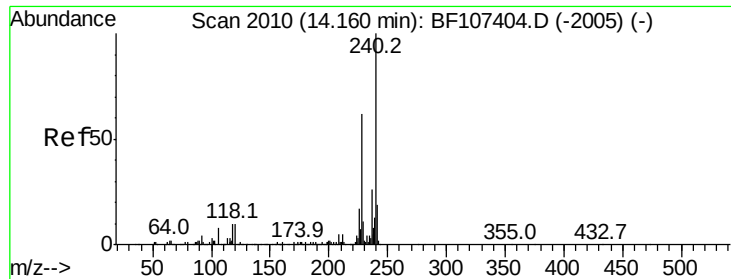
Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion:	202	Resp:	2482183
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	19.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

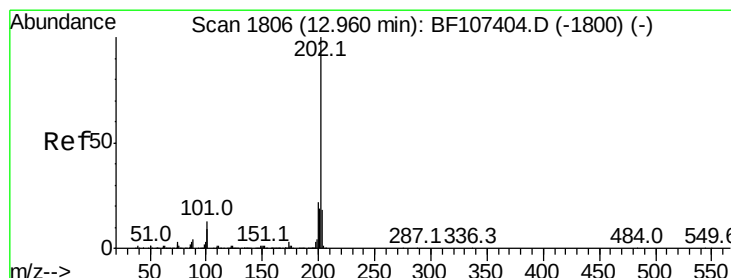
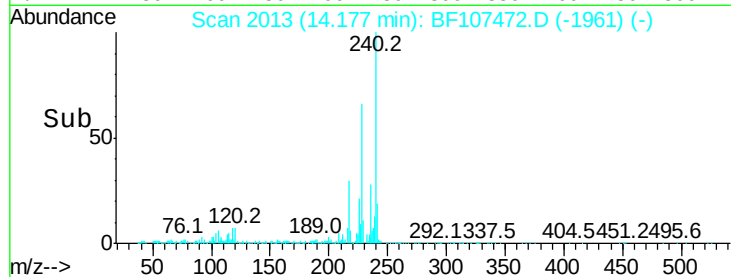
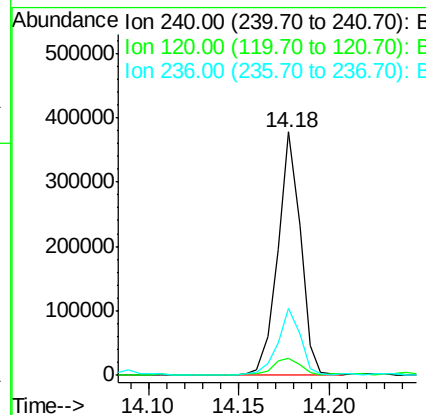
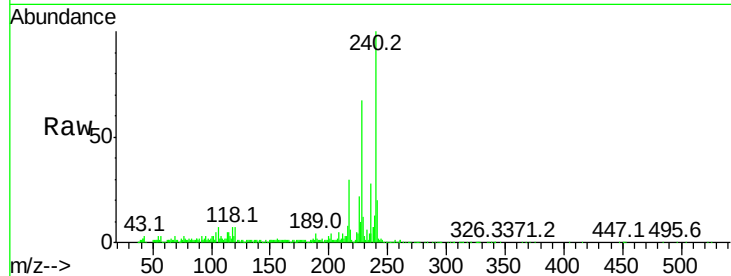
ClientSampleId :

SB3-L-12-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	9.5	14.3#
236	27.7	20.7	31.1

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#77

Pyrene

Concen: 93.436 ng

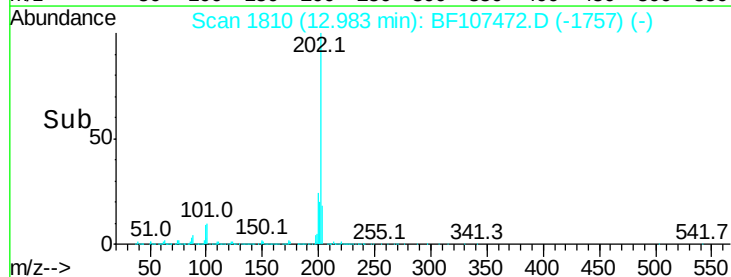
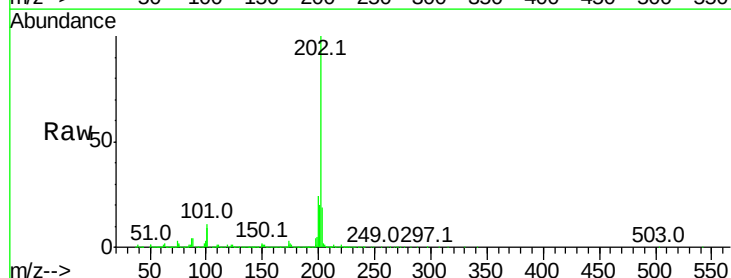
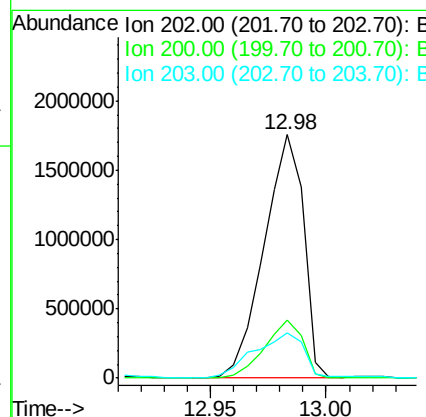
RT: 12.98 min Scan# 1810

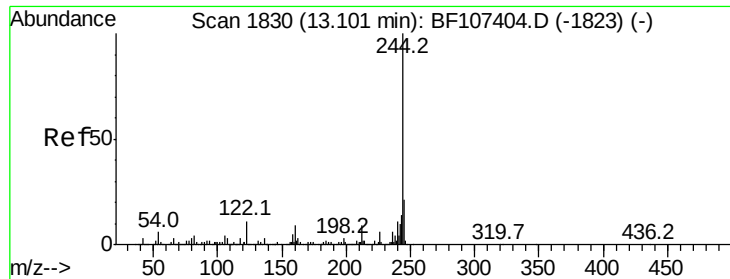
Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.6	17.4	26.2
203	18.8	14.3	21.5





#78

Terphenyl-d14

Concen: 39.478 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

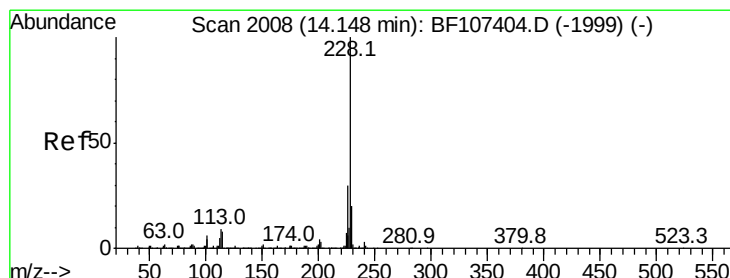
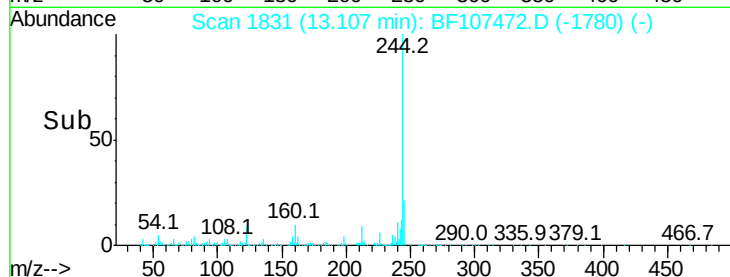
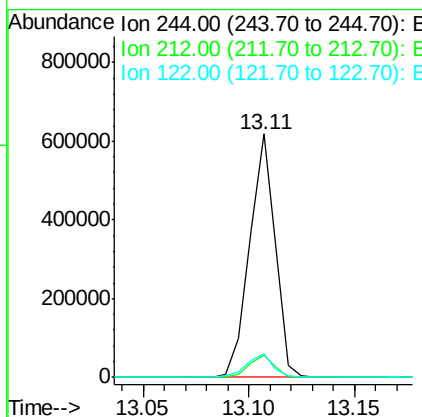
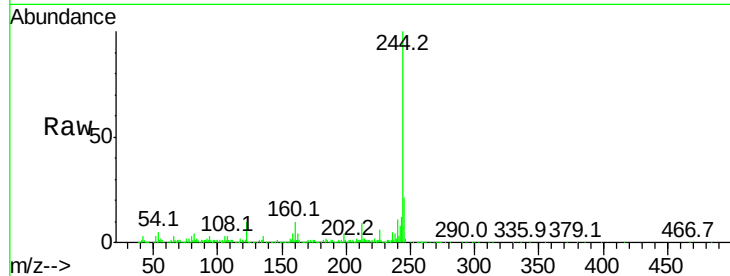
ClientSampleId :

SB3-L-12-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.4	8.0#
122	9.7	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 52.438 ng

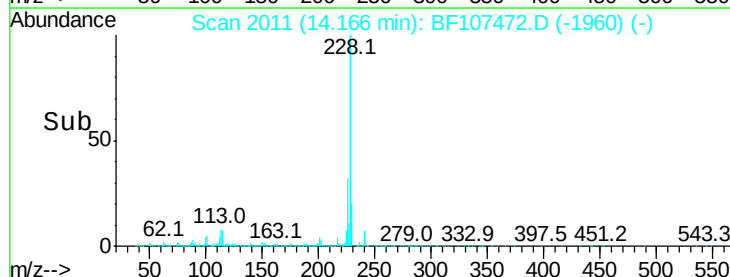
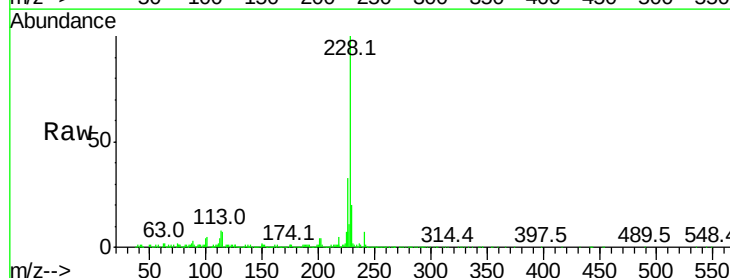
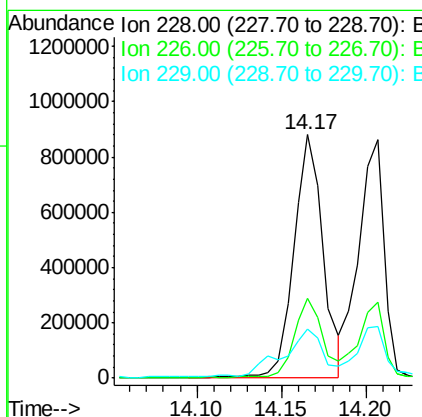
RT: 14.17 min Scan# 2011

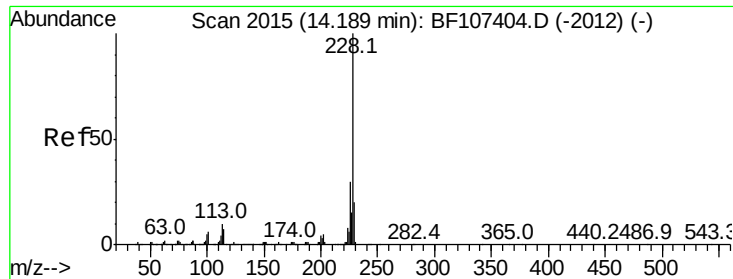
Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 46.948 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

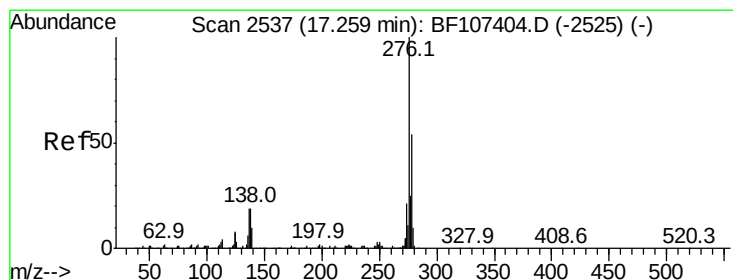
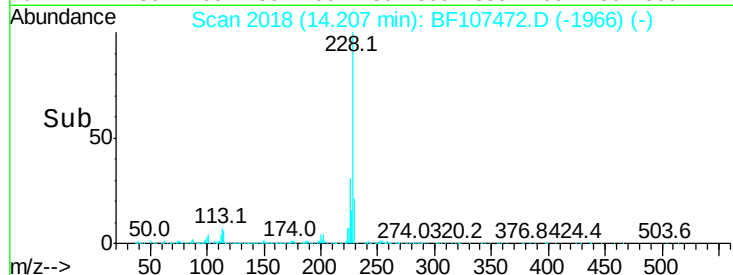
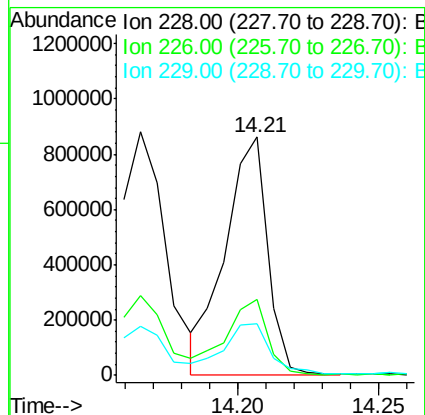
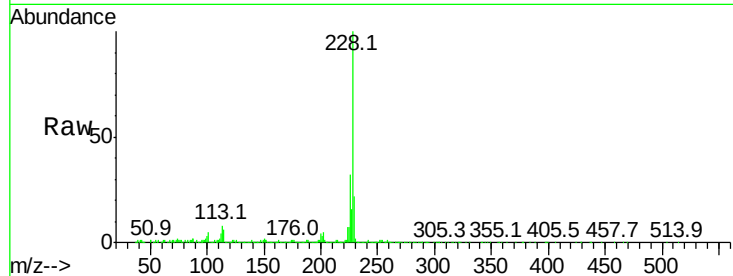
ClientSampleId :

SB3-L-12-7

Tot Ion:	228	Resp:	900224
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.0	37.6
229	21.6	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 37.386 ng

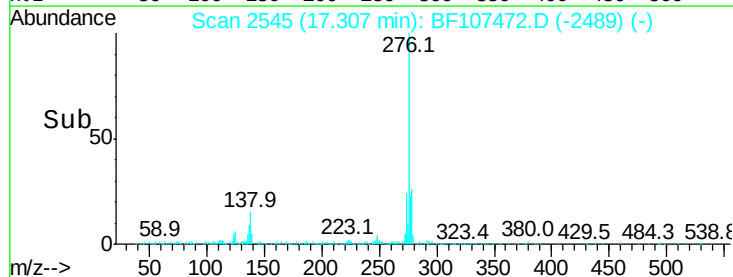
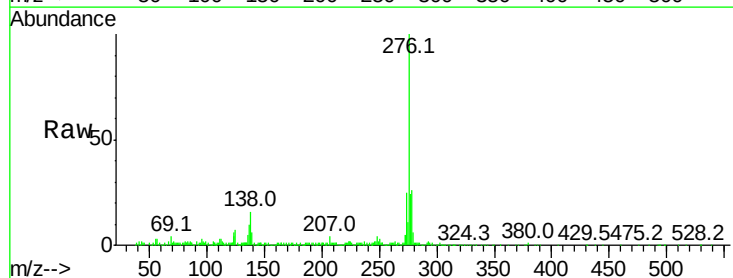
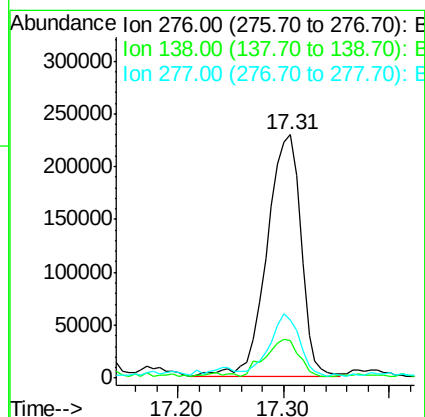
RT: 17.31 min Scan# 2545

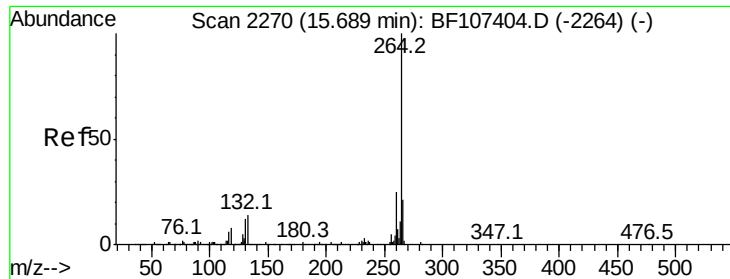
Delta R.T. 0.03 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion:	276	Resp:	510271
Ion Ratio	Lower	Upper	
276	100		
138	15.3	25.0	37.6#
277	22.9	20.1	30.1





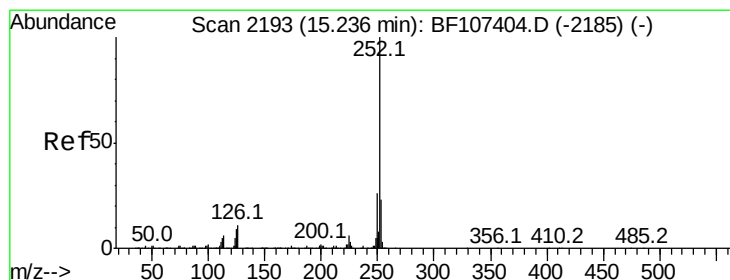
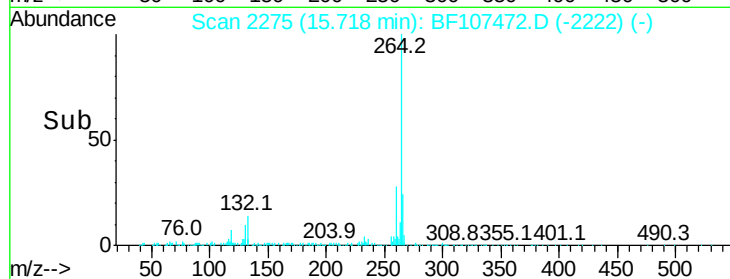
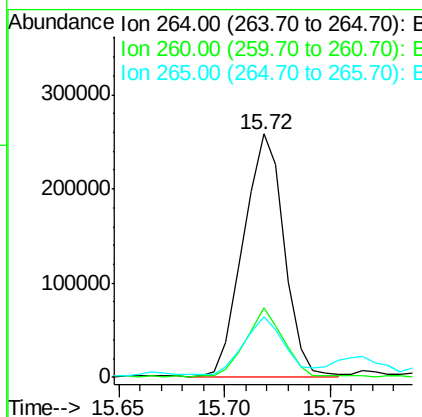
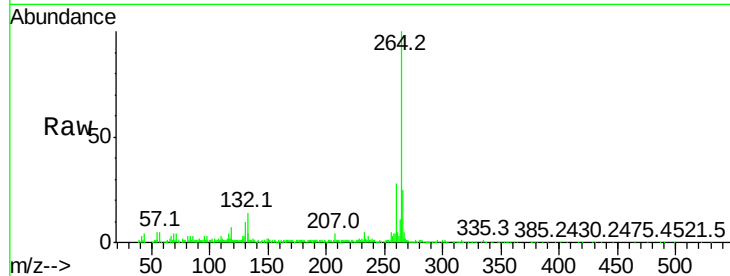
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.3	19.2	28.8
265	24.8	17.5	26.3

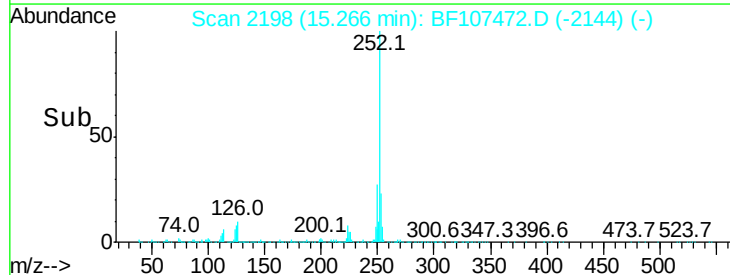
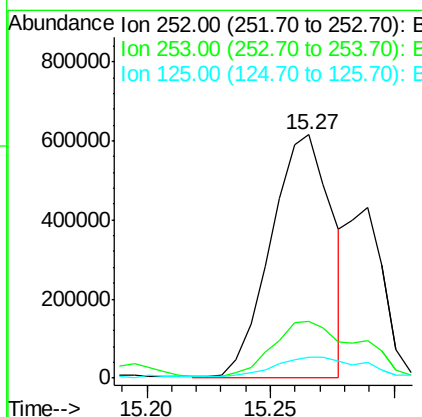
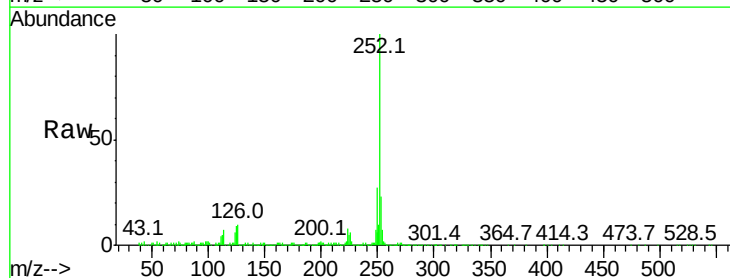
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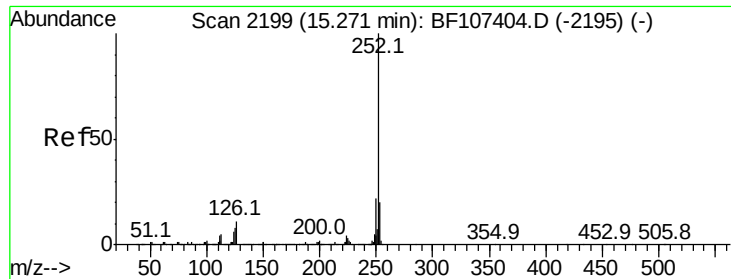
Sohil
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#87
Benzo(b)fluoranthene
Concen: 52.619 ng m
RT: 15.27 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.6	9.0	13.6





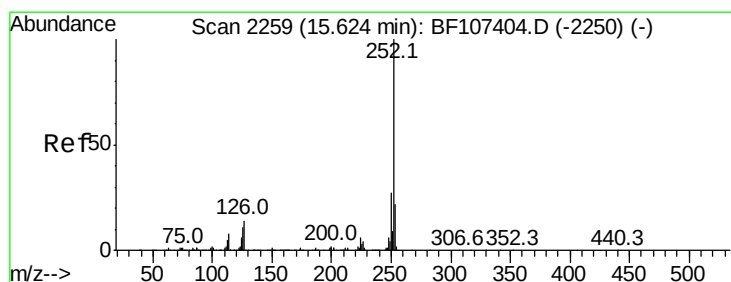
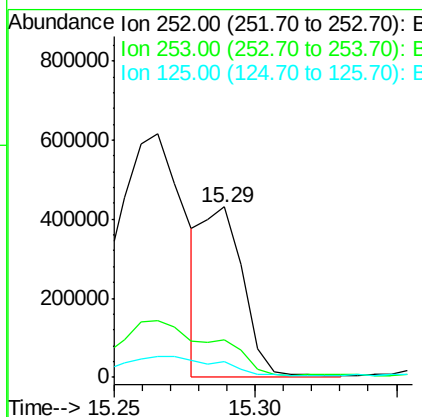
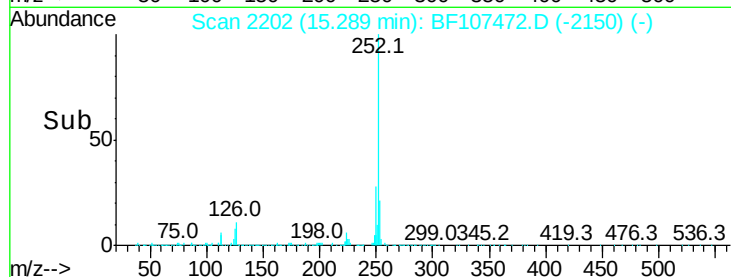
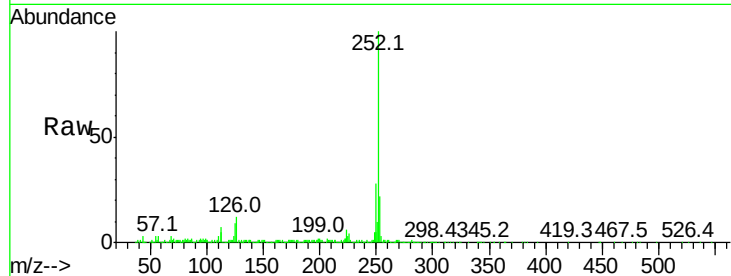
#88
Benzo(k)fluoranthene
Concen: 21.926 ng m
RT: 15.29 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.1	10.2	15.2#

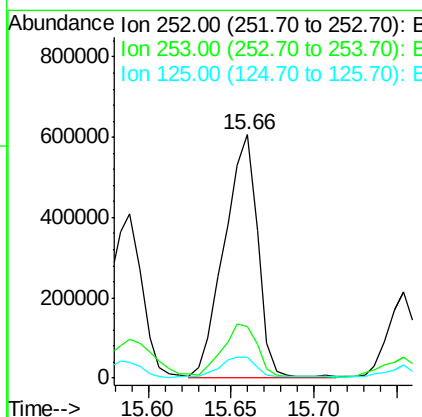
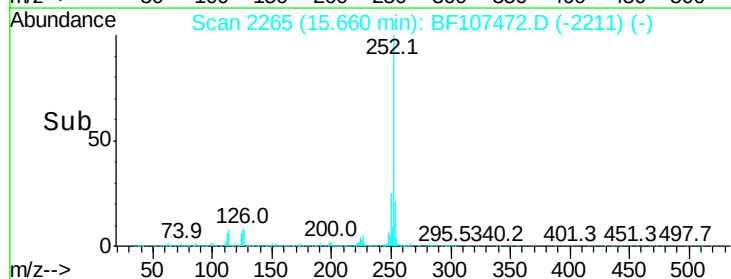
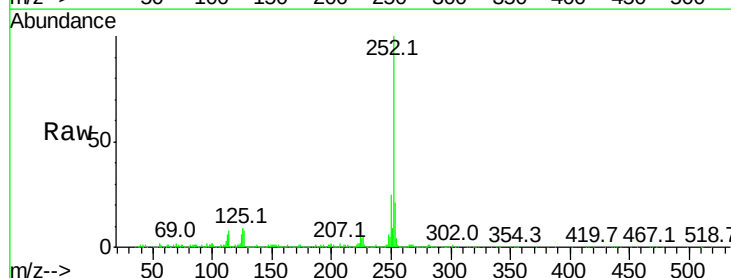
Manual Integrations
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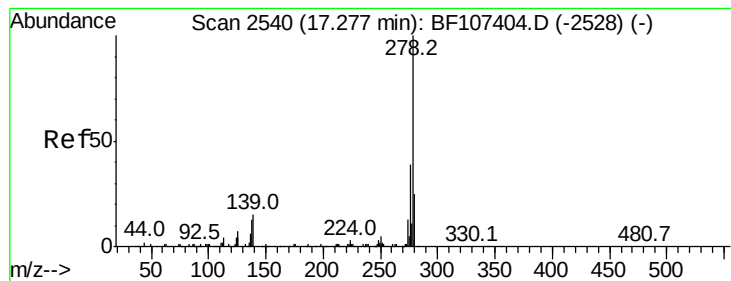
Sohil
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#89
Benzo(a)pyrene
Concen: 45.223 ng m
RT: 15.66 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	8.7	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 8.478 ng

RT: 17.31 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

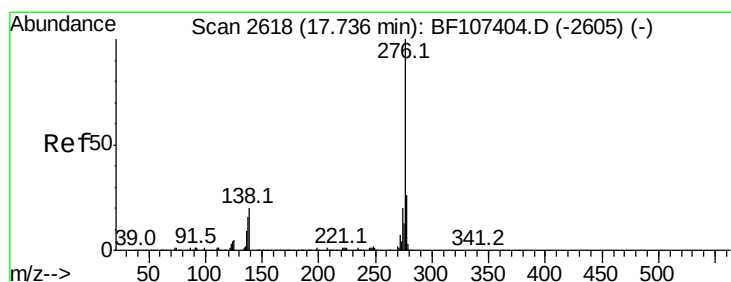
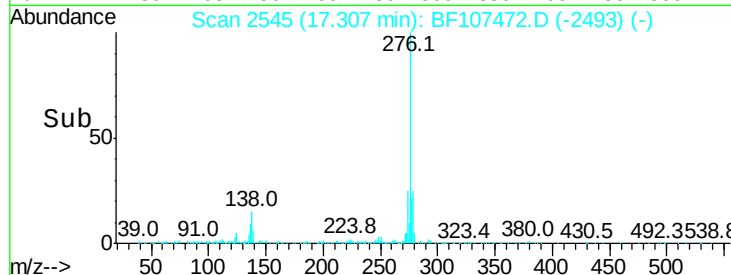
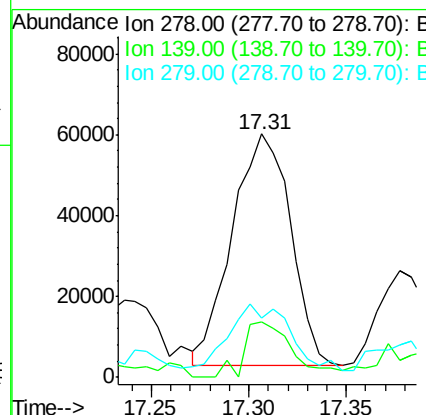
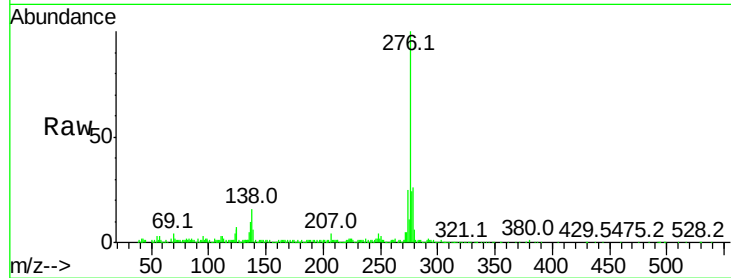
ClientSampleId :

SB3-L-12-7

Tot Ion:	278	Resp:	118449
Ion Ratio	Lower	Upper	
278	100		
139	23.0	15.9	23.9
279	24.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/19/2018 11:49:25 AM



#91

Benzo(g,h,i)perylene

Concen: 31.327 ng

RT: 17.79 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion:	276	Resp:	444725
Ion Ratio	Lower	Upper	
276	100		
277	23.8	17.9	26.9
138	17.3	21.8	32.8#

