

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107508.D
 Acq On : 19 Jul 2018 11:08
 Operator : JU/SJ
 Sample : J4016-11DL 4X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

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

Manual Integrations
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 7/19/2018 2:23:22 PM

Quant Time: Jul 19 13:33:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	117975	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	436766	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	226542	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	438201	20.00	ng	0.00
75) Chrysene-d12	14.17	240	308255	20.00	ng	-0.01
86) Perylene-d12	15.71	264	319226	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	155320	20.00	ng	-0.01
7) Phenol-d6	6.60	99	192656	19.18	ng	-0.02
23) Nitrobenzene-d5	7.54	82	126638	15.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	42173	21.19	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	234519	7.36	ng	-0.01
78) Terphenyl-d14	13.10	244	229018	18.46	ng	-0.01
Target Compounds						
31) Naphthalene	8.28	128	68171	3.213	ng	# 94
48) Acenaphthylene	9.88	152	44086	2.042	ng	# 95
54) Dibenzofuran	10.23	168	61526	2.782	ng	# 88
57) Fluorene	10.57	166	74201	5.066	ng	94
70) Phenanthrene	11.55	178	950789	43.538	ng	98
71) Anthracene	11.60	178	226428	10.410	ng	95
72) Carbazole	11.75	167	61373	2.980	ng	94
74) Fluoranthene	12.74	202	1194011	48.105	ng	92
77) Pyrene	12.97	202	1054355	50.299	ng	98
80) Benzo(a)anthracene	14.15	228	505333	26.793	ng	100
82) Chrysene	14.19	228	446014	24.755	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	237335	18.506	ng	# 84
87) Benzo(b)fluoranthene	15.25	252	578886m	30.982	ng	
88) Benzo(k)fluoranthene	15.27	252	171699m	9.416	ng	
89) Benzo(a)pyrene	15.64	252	401465m	23.409	ng	
90) Dibenzo(a,h)anthracene	17.29	278	62766	4.849	ng	# 92
91) Benzo(a,h,i)perylene	17.75	276	232693	17.693	ng	# 85

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

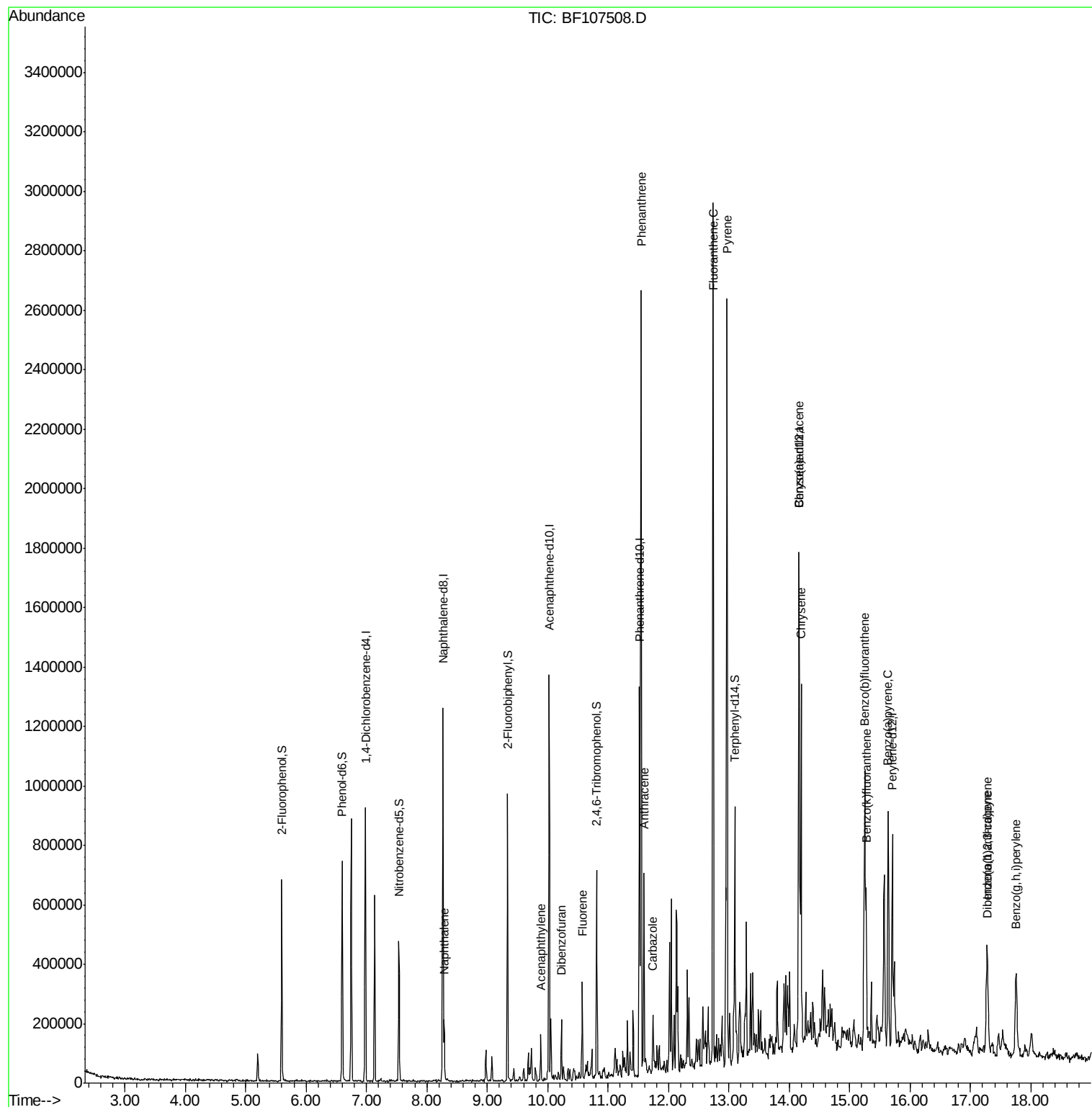
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
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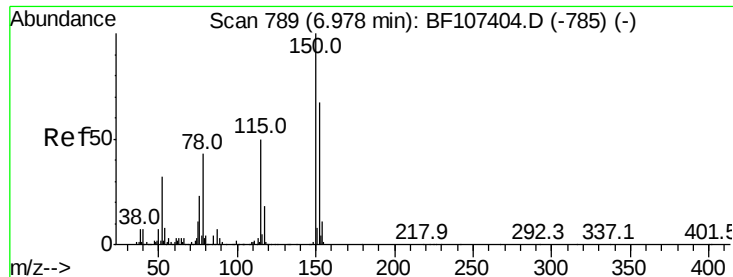
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#1

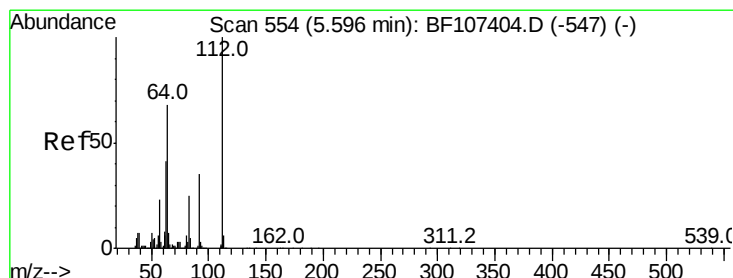
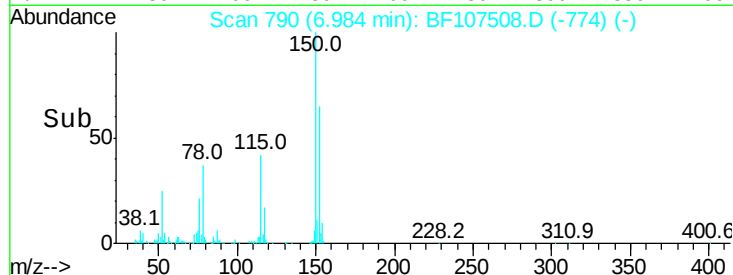
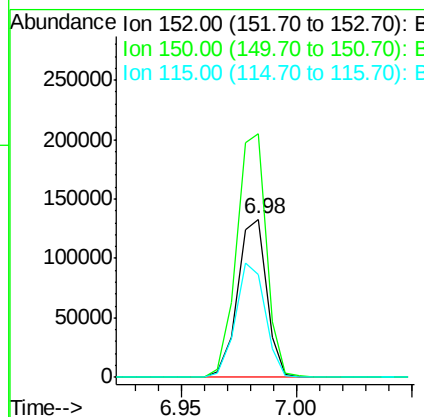
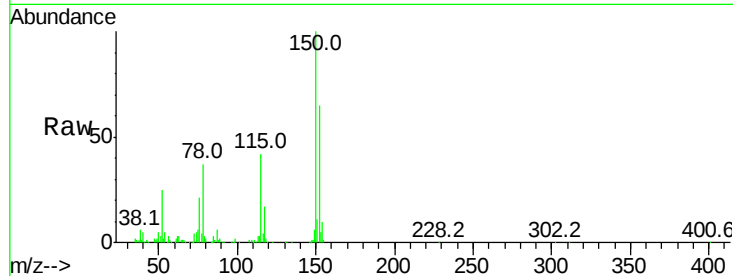
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	64.6	50.1	75.1

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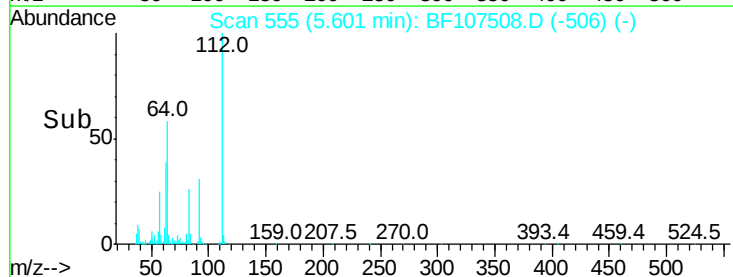
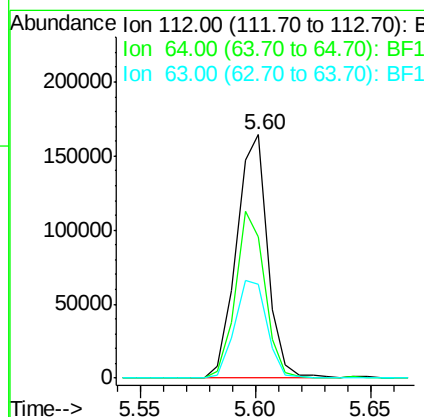
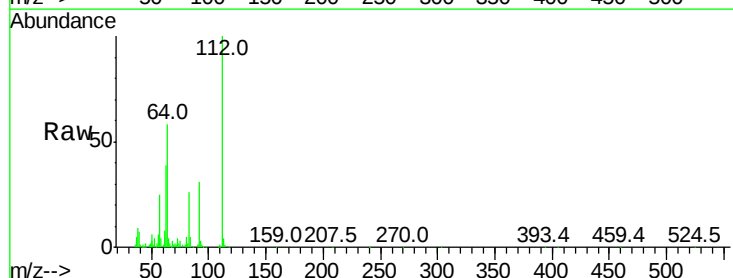
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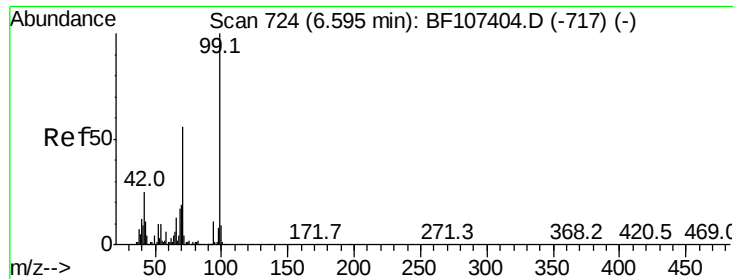


#5

2-Fluorophenol
Concen: 19.995 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	38.7	23.7	35.5





#7

Phenol-d6

Concen: 19.183 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

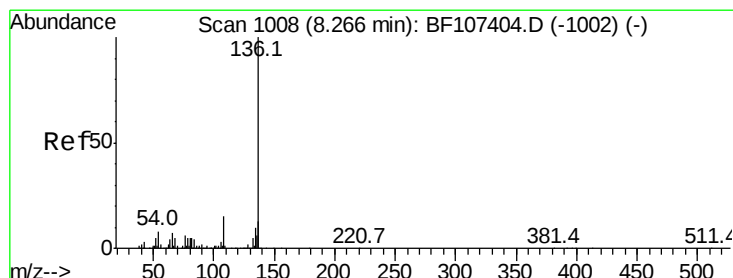
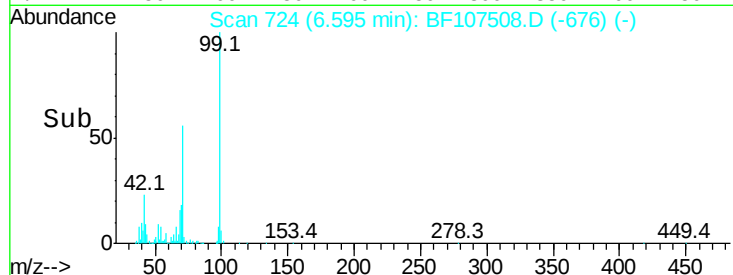
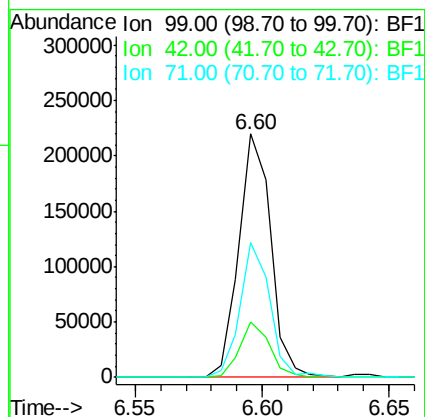
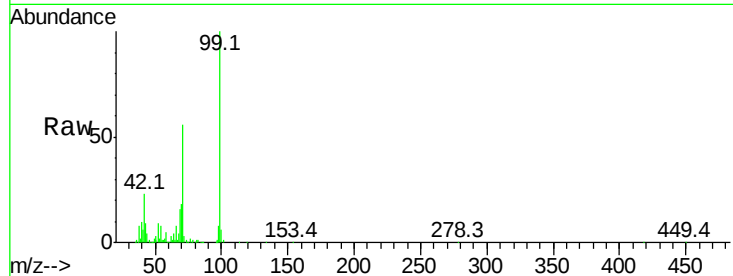
ClientSampleId :

SB3-L-12-7DL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	192656		
42	22.7	14.5	21.7#	
71	55.6	25.4	38.0#	

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#21

Naphthalene-d8

Concen: 20.000 ng

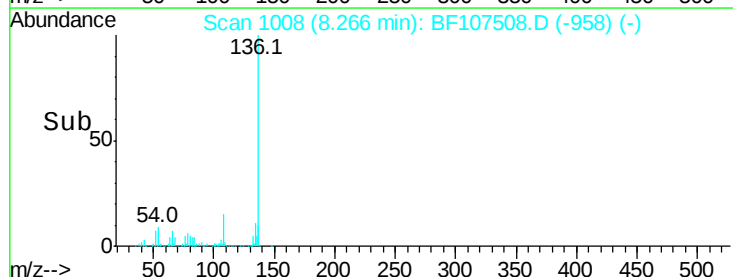
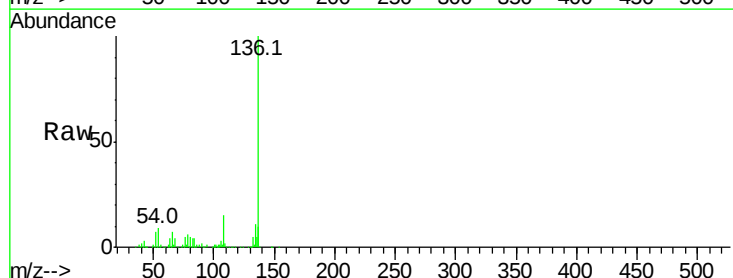
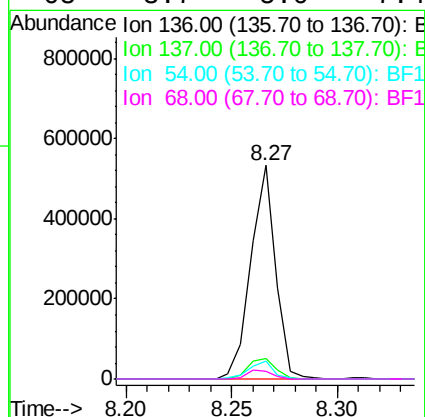
RT: 8.27 min Scan# 1008

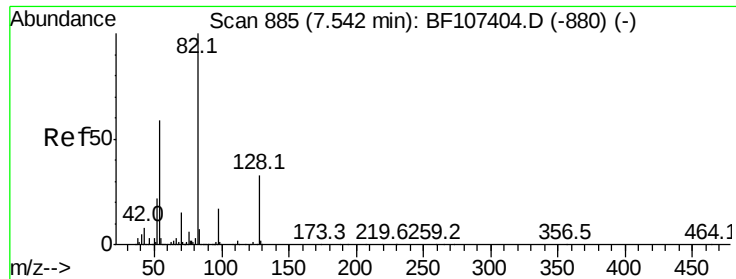
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	436766		
137	9.9	8.9	13.3	
54	8.7	6.6	9.8	
68	3.7	5.0	7.4#	





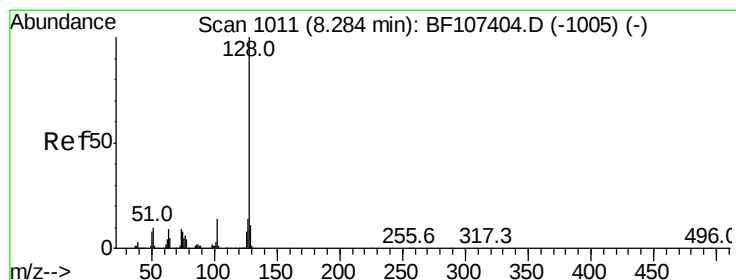
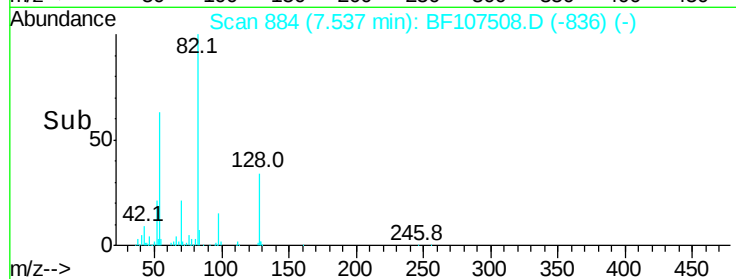
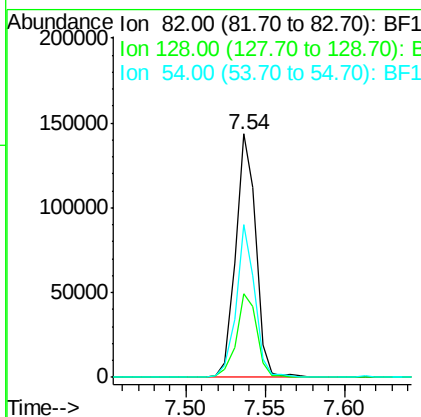
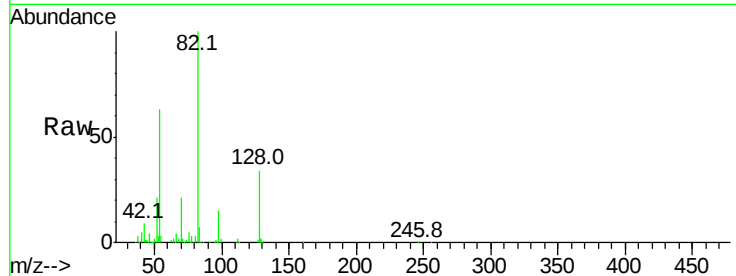
#23
 Nitrobenzene-d5
 Concen: 15.461 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF107508.D
 Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	34.3	36.1	54.1#
54	62.8	41.4	62.2#

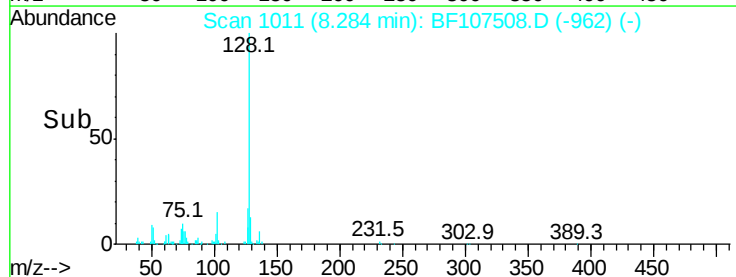
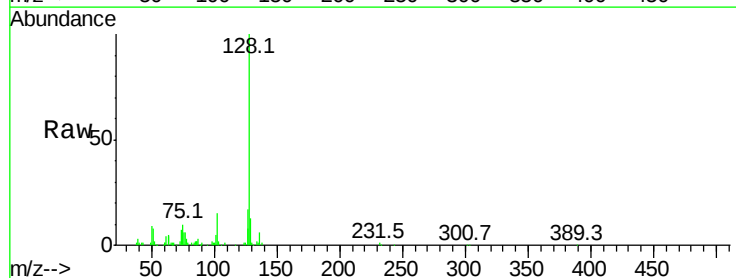
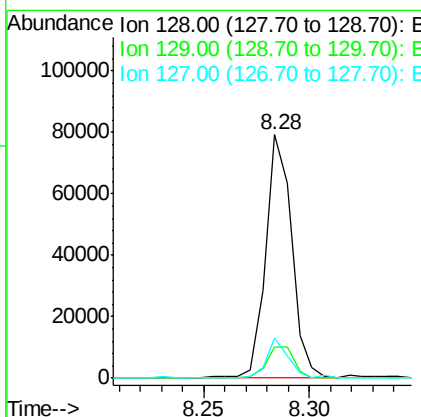
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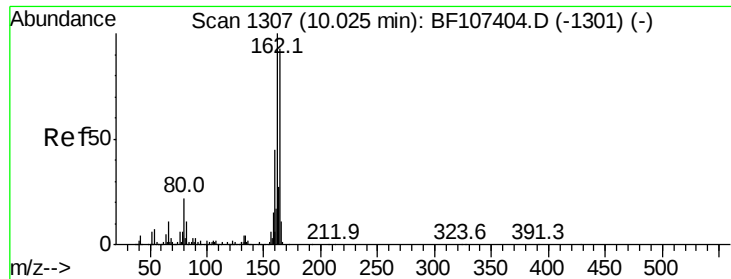
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#31
 Naphthalene
 Concen: 3.213 ng
 RT: 8.28 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF107508.D
 Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	12.6	8.8	13.2
127	16.6	10.9	16.3#





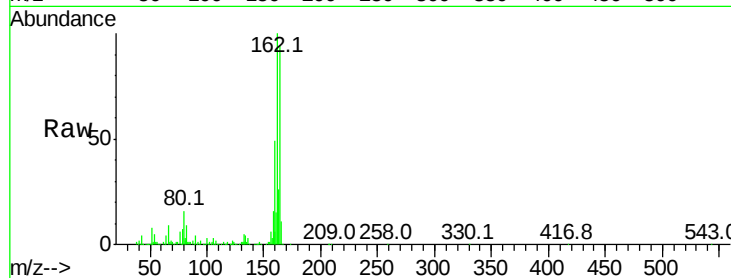
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

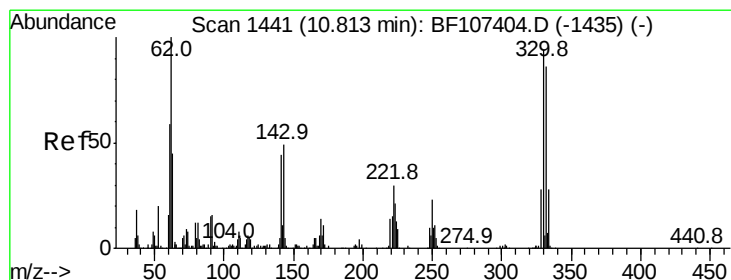
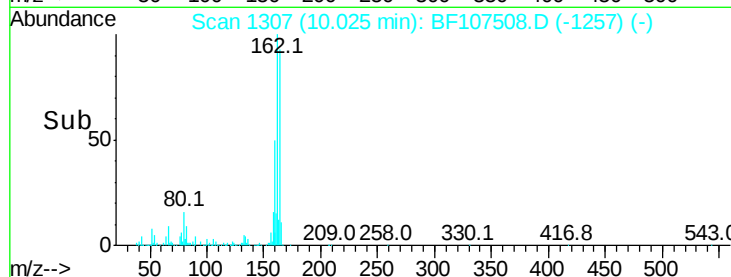
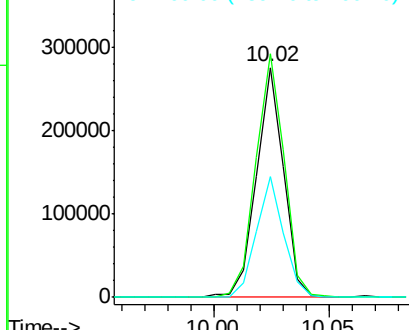
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	52.4	38.3	57.5

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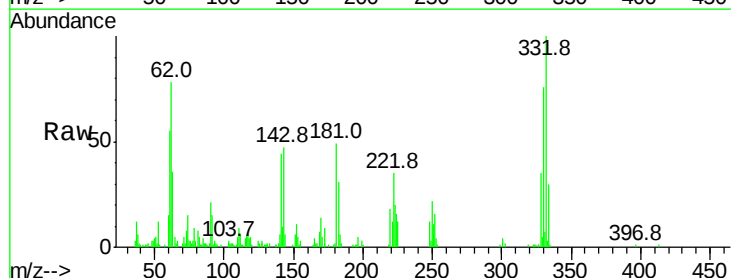


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

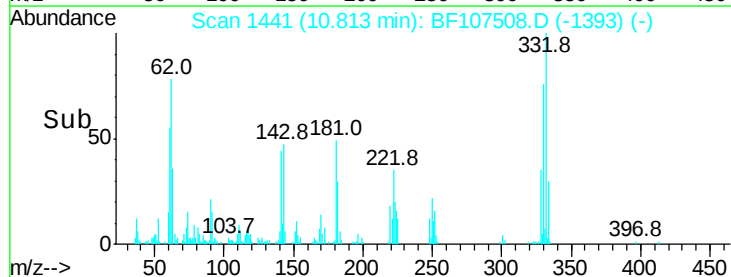
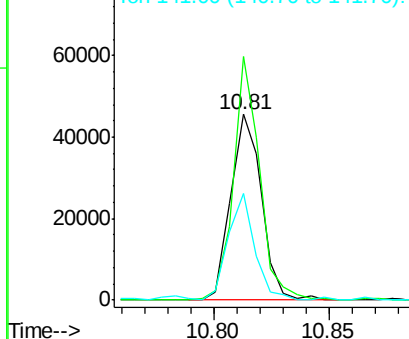


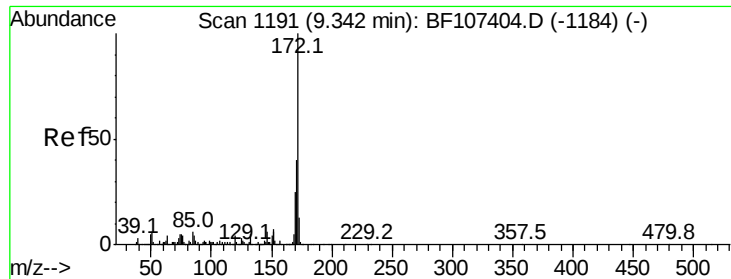
#41
2,4,6-Tribromophenol
Concen: 21.188 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	111.8	77.0	115.6
141	49.9	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





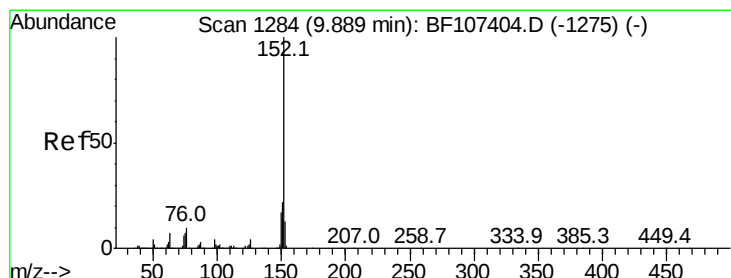
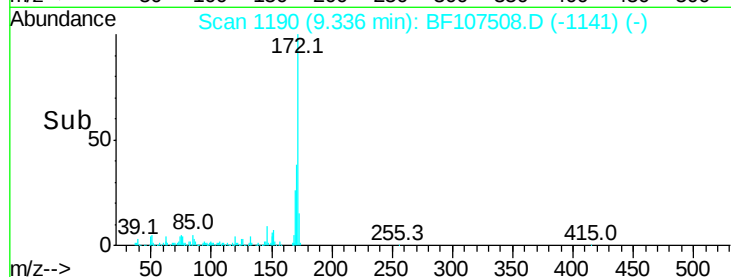
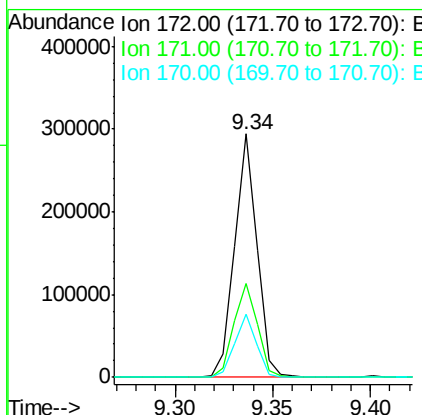
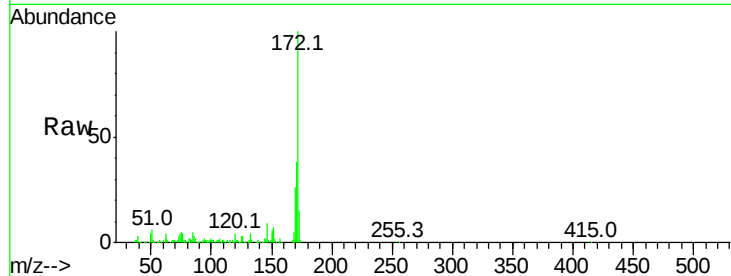
#44
2-Fluorobiphenyl
Concen: 7.359 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.7	44.5
170	26.2	19.6	29.4

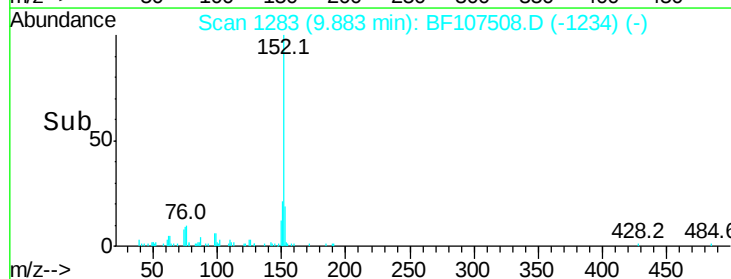
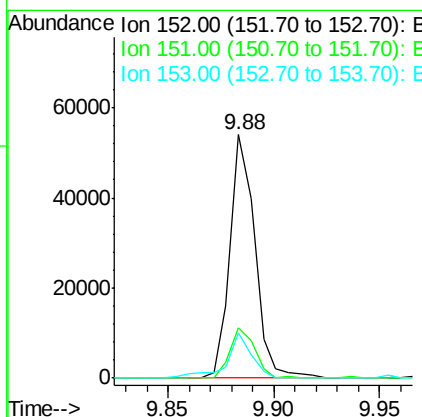
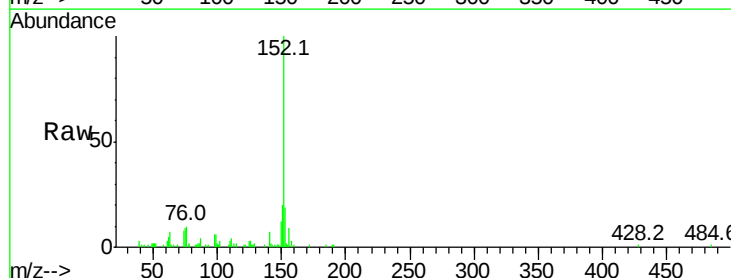
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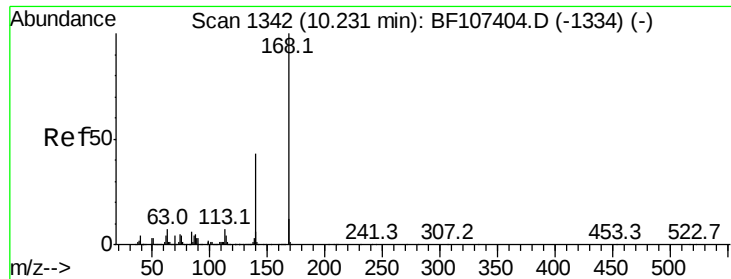
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#48
Acenaphthylene
Concen: 2.042 ng
RT: 9.88 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	18.6	10.7	16.1#





#54

Dibenzenofuran

Concen: 2.782 ng

RT: 10.23 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

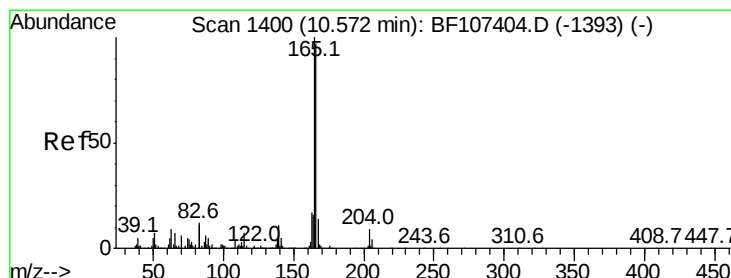
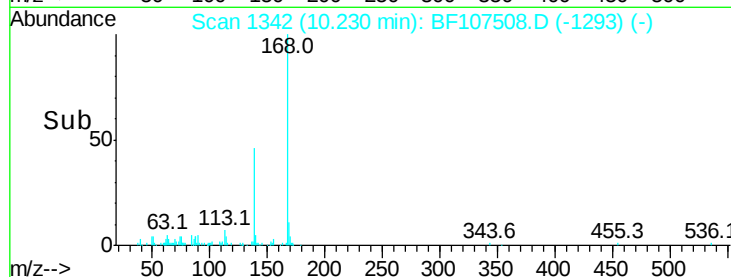
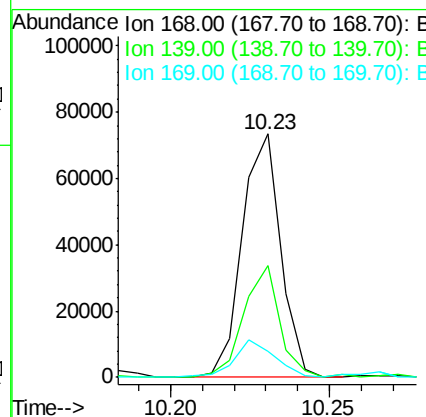
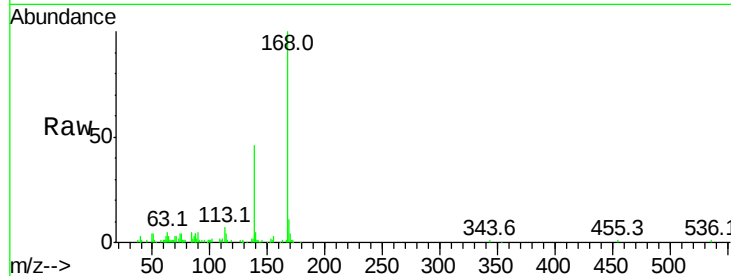
ClientSampleId :

SB3-L-12-7DL

Tot Ion:	168	Resp:	61526
Ion Ratio	Lower	Upper	
168	100		
139	45.9	30.1	45.1#
169	10.6	10.9	16.3#

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#57

Fluorene

Concen: 5.066 ng

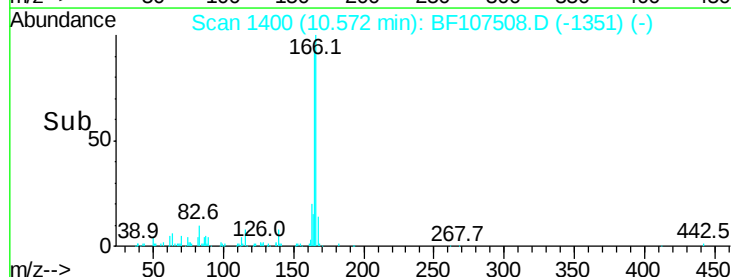
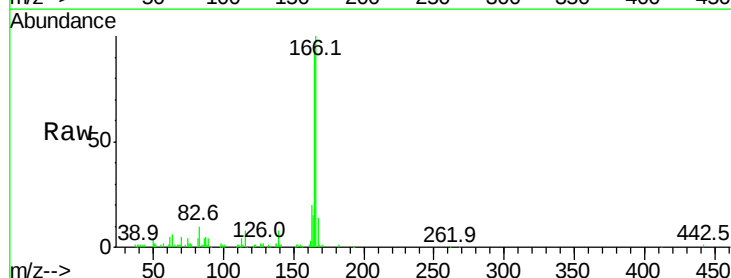
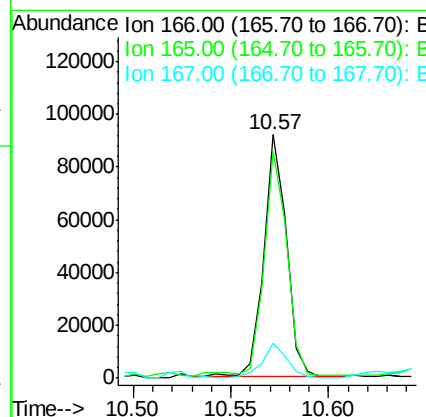
RT: 10.57 min Scan# 1400

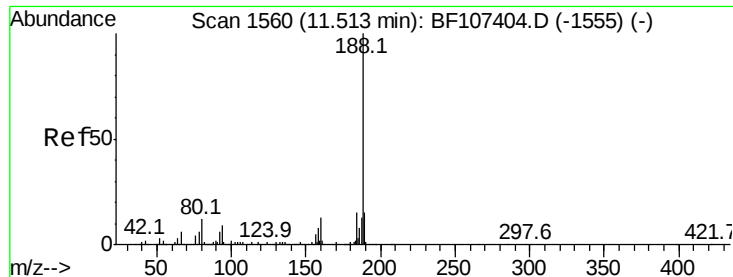
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion:	166	Resp:	74201
Ion Ratio	Lower	Upper	
166	100		
165	93.3	79.8	119.8
167	14.5	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

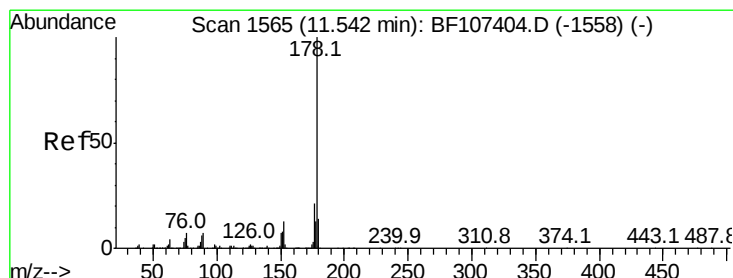
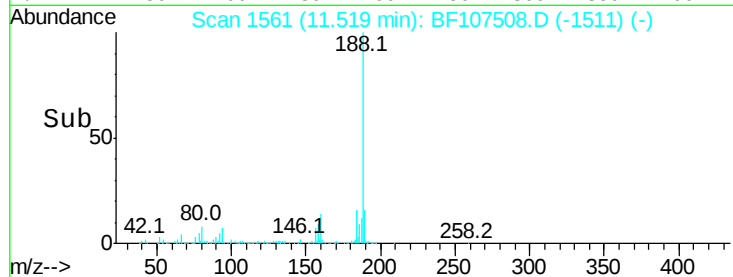
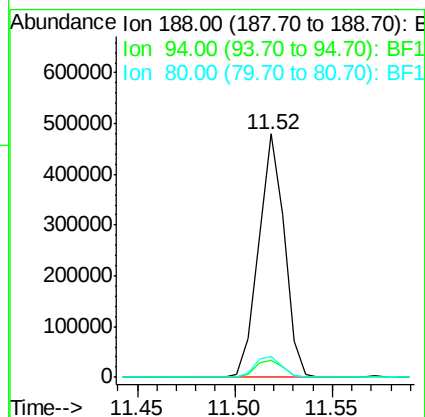
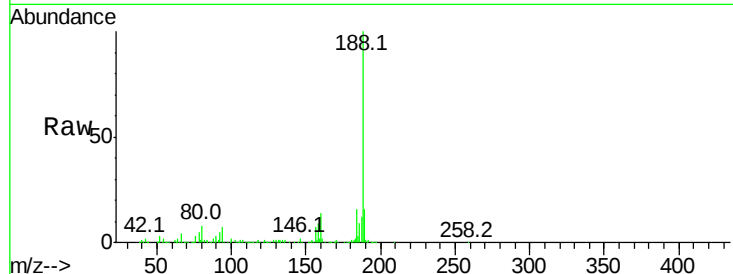
ClientSampleId :

SB3-L-12-7DL

Tot Ion:	188	Resp:	438201
Ion Ratio	Lower	Upper	
188	100		
94	6.9	8.5	12.7#
80	8.4	9.2	13.8#

Manual Integrations
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#70

Phenanthrene

Concen: 43.538 ng

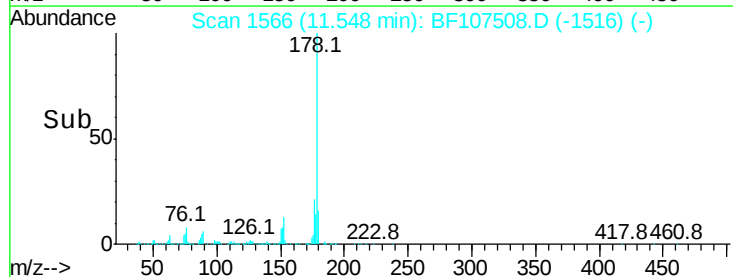
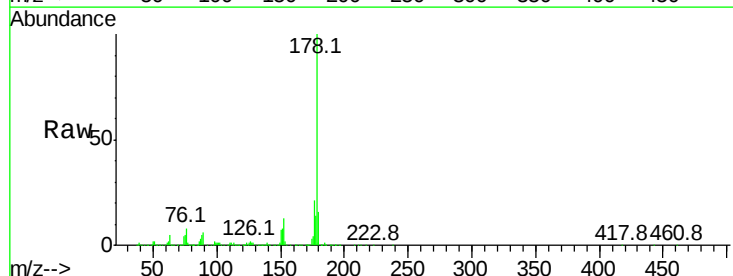
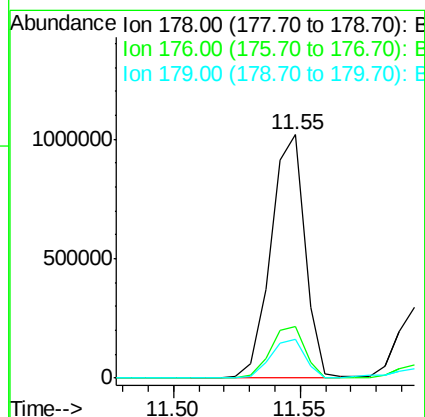
RT: 11.55 min Scan# 1566

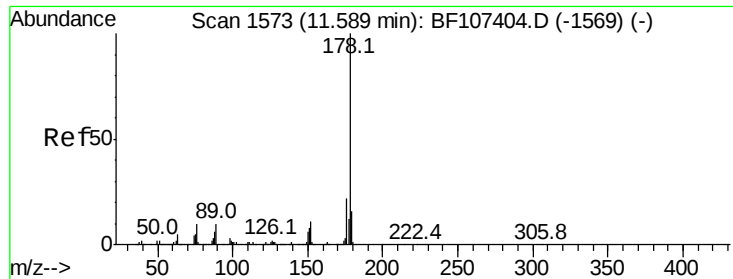
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion:	178	Resp:	950789
Ion Ratio	Lower	Upper	
178	100		
176	21.1	15.8	23.8
179	16.1	13.0	19.6





#71

Anthracene

Concen: 10.410 ng

RT: 11.60 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

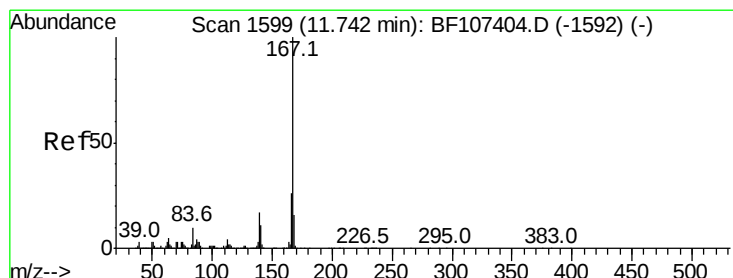
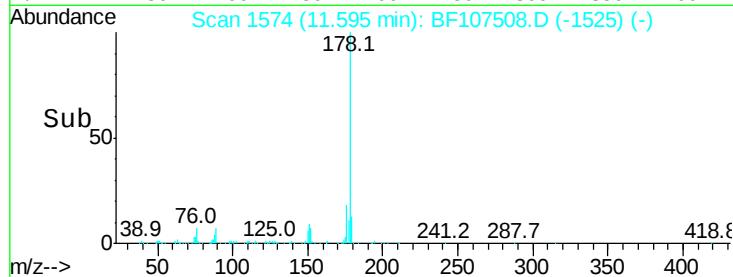
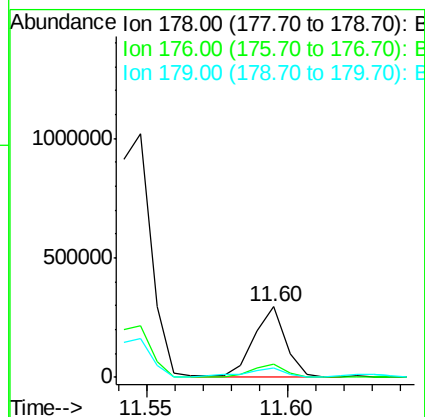
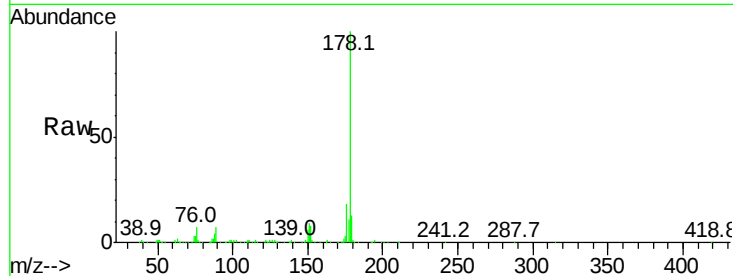
ClientSampleId :

SB3-L-12-7DL

Tot Ion:	178	Resp:	226428
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.2
179	12.8	12.6	19.0

Manual Integrations
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#72

Carbazole

Concen: 2.980 ng

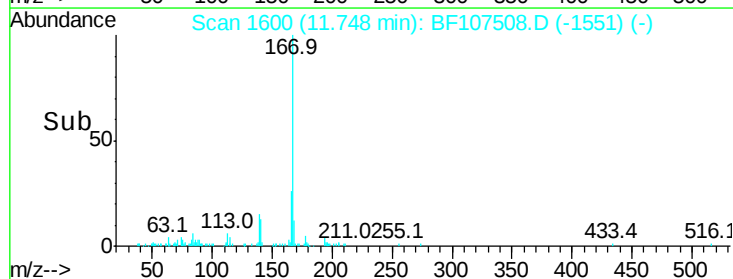
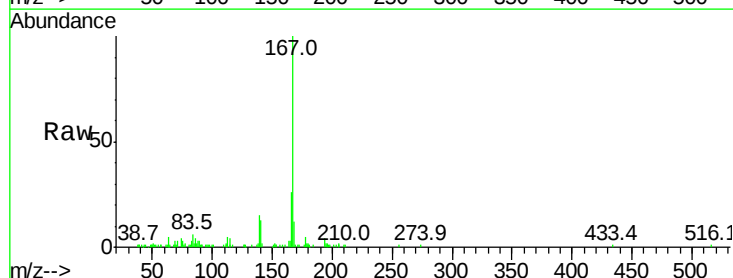
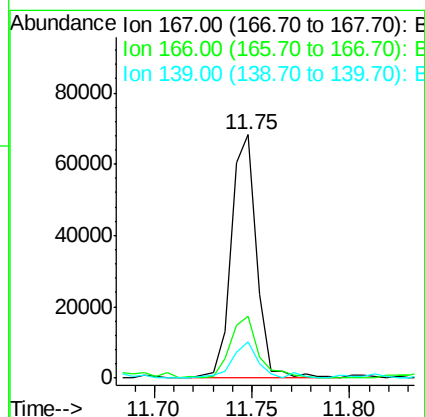
RT: 11.75 min Scan# 1600

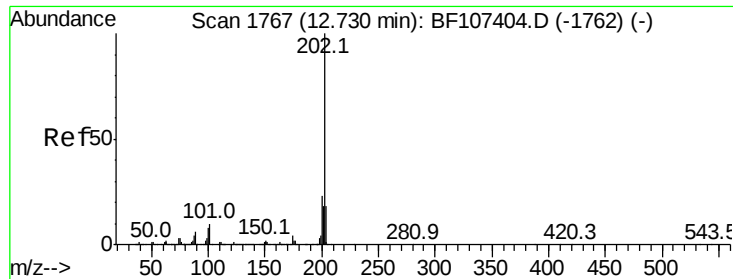
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion:	167	Resp:	61373
Ion Ratio	Lower	Upper	
167	100		
166	25.6	17.6	26.4
139	14.7	10.9	16.3





#74

Fluoranthene

Concen: 48.105 ng

RT: 12.74 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

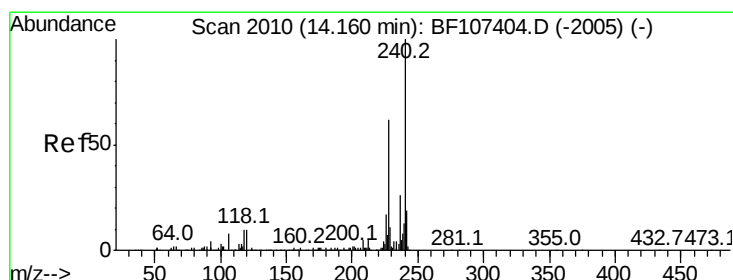
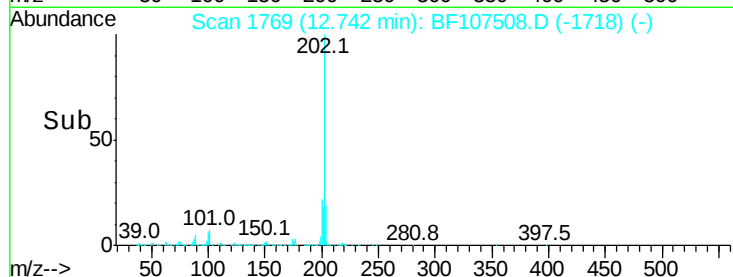
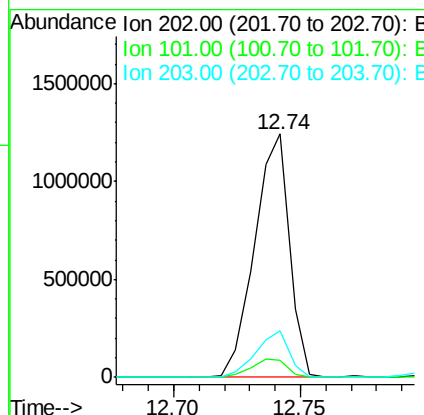
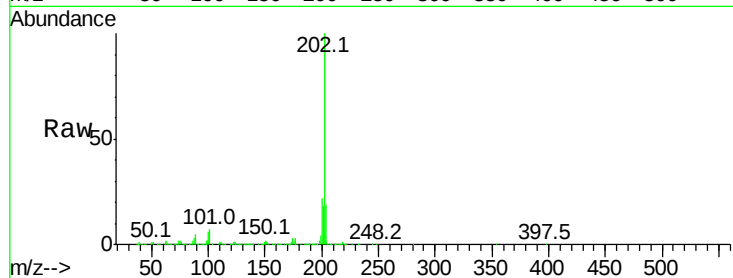
ClientSampleId :

SB3-L-12-7DL

Tot Ion:	202	Resp:	1194011
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	34.1
203	19.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

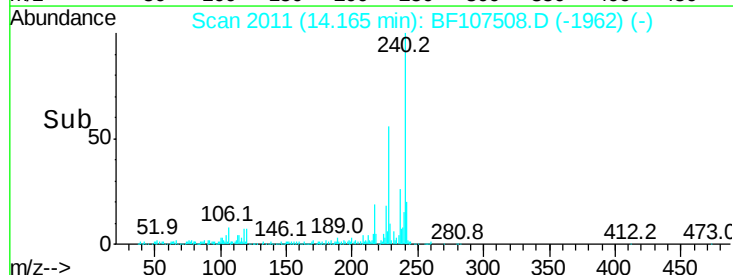
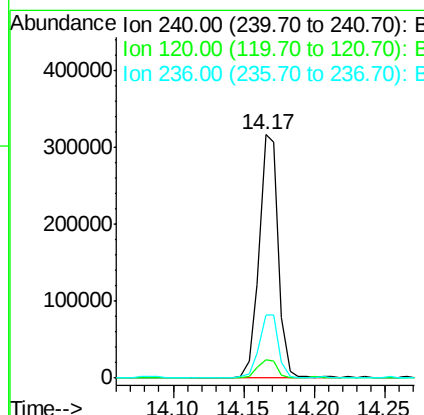
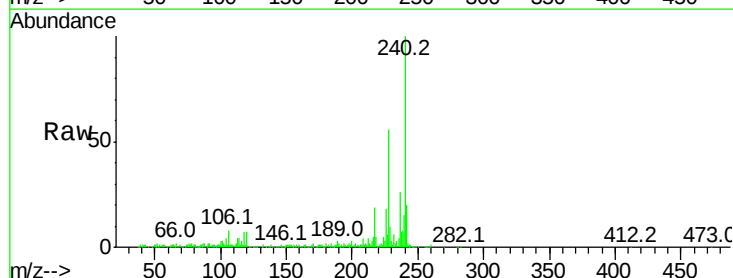
RT: 14.17 min Scan# 2011

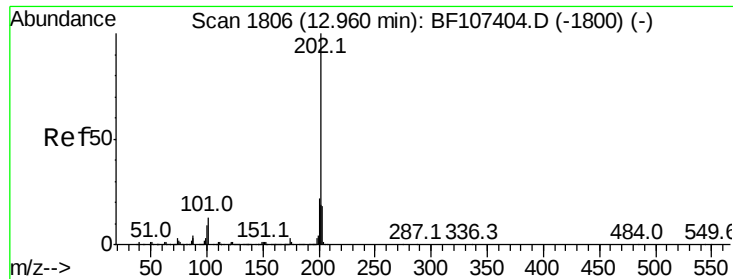
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion:	240	Resp:	308255
Ion Ratio	Lower	Upper	
240	100		
120	7.4	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 50.299 ng

RT: 12.97 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Instrument :

BNA_F

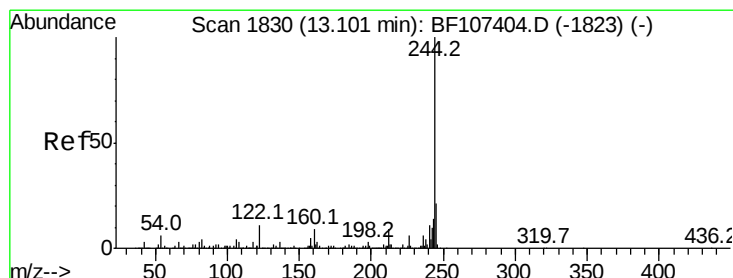
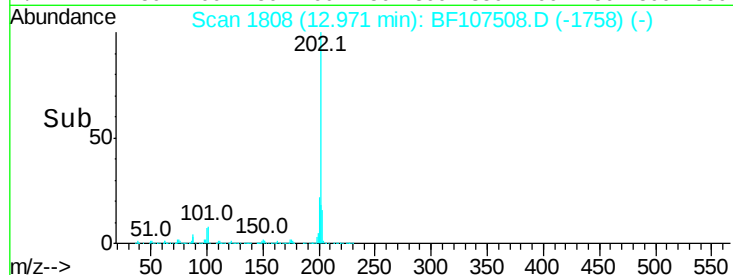
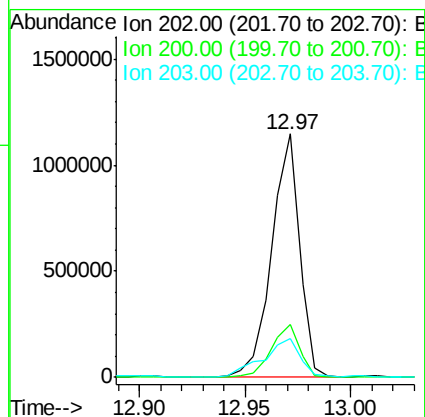
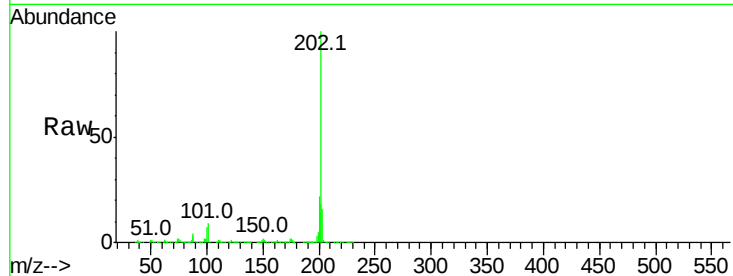
ClientSampleId :

SB3-L-12-7DL

Tot Ion:	202	Resp:	1054355
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	16.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 18.459 ng

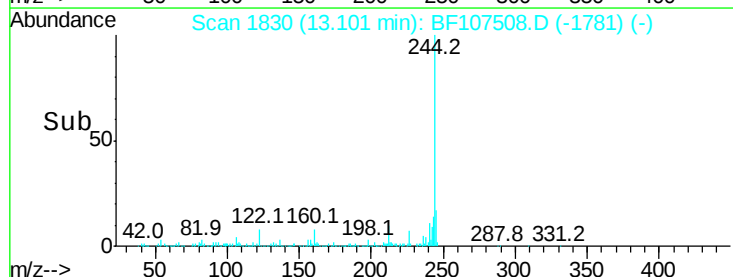
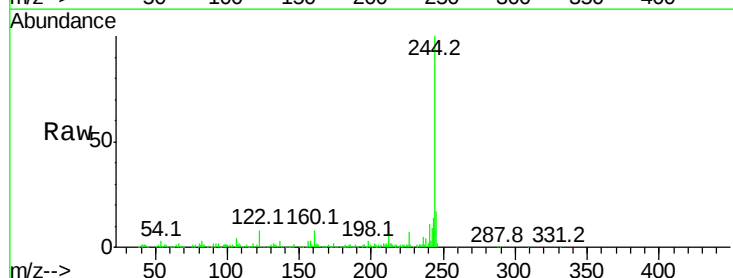
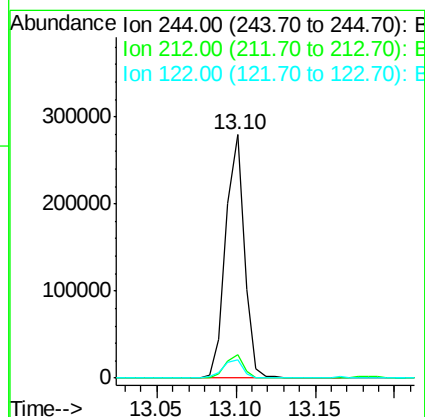
RT: 13.10 min Scan# 1830

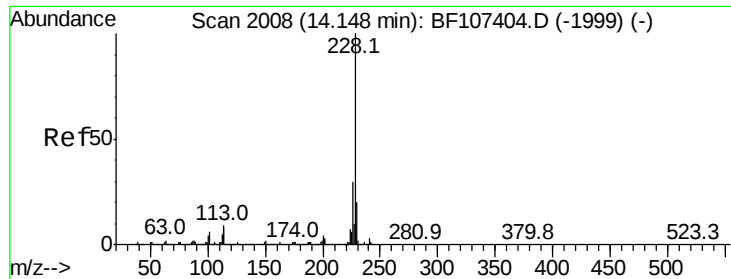
Delta R.T. -0.01 min

Lab File: BF107508.D

Acq: 19 Jul 2018 11:08

Tgt Ion:	244	Resp:	229018
Ion Ratio	Lower	Upper	
244	100		
212	9.7	5.4	8.0#
122	7.6	11.0	16.4#





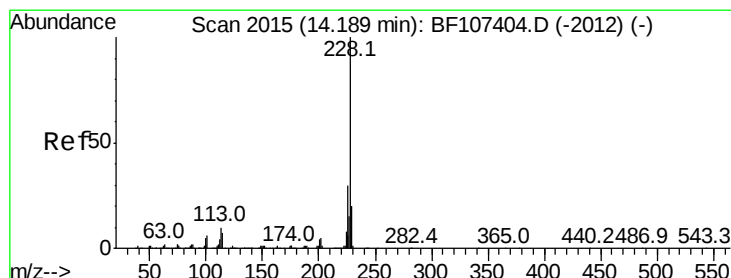
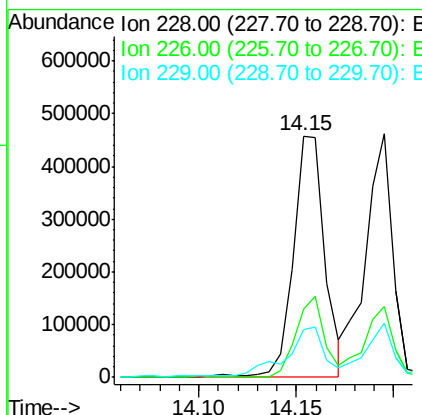
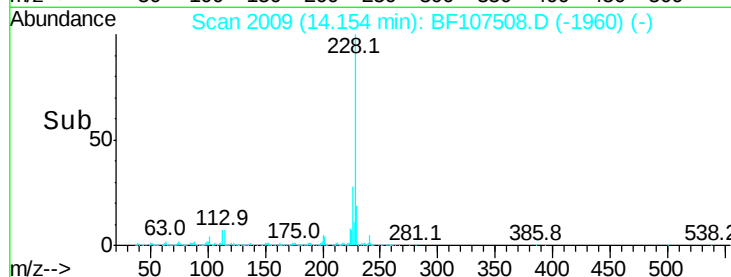
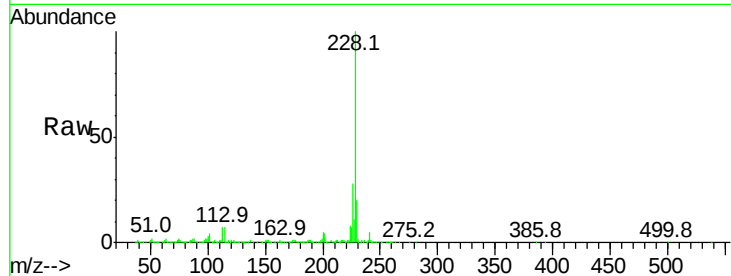
#80
Benzo(a)anthracene
Concen: 26.793 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	19.9	15.8	23.6

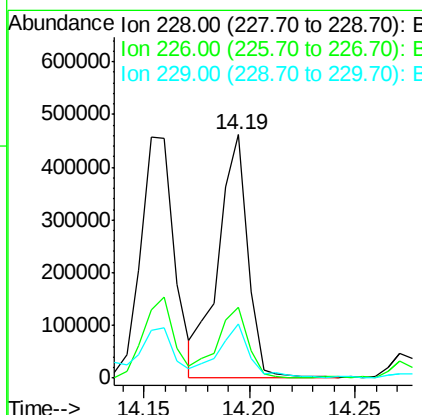
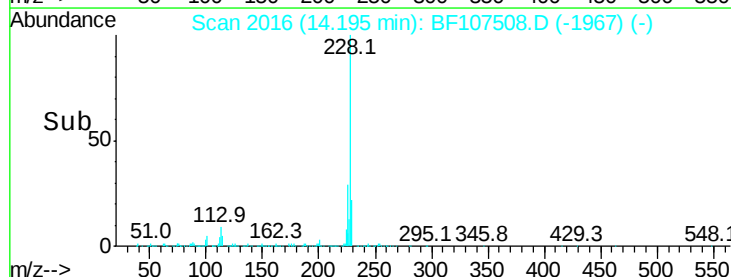
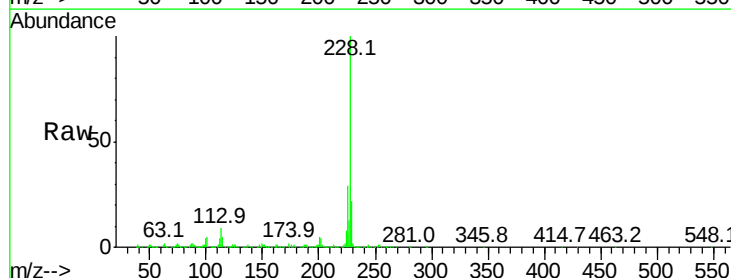
Manual Integrations
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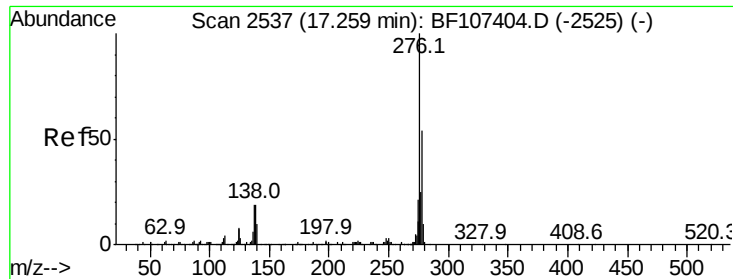
Sohil
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#82
Chrysene
Concen: 24.755 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.3	16.2	24.4





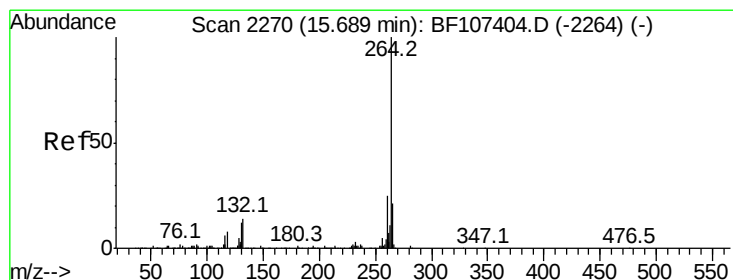
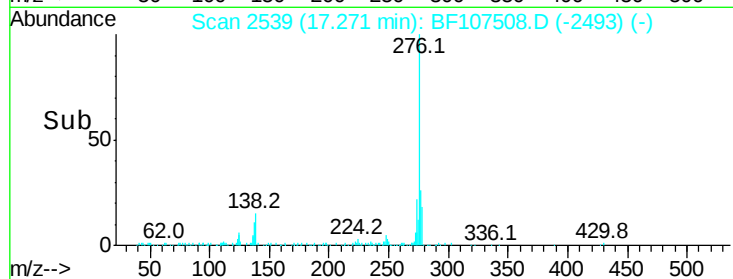
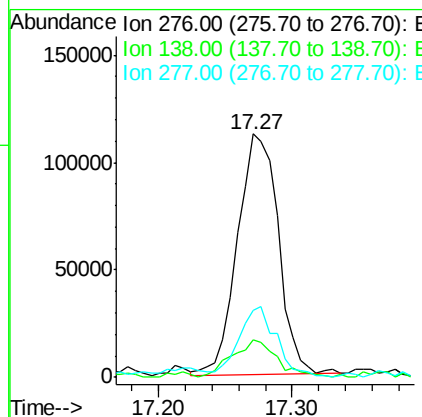
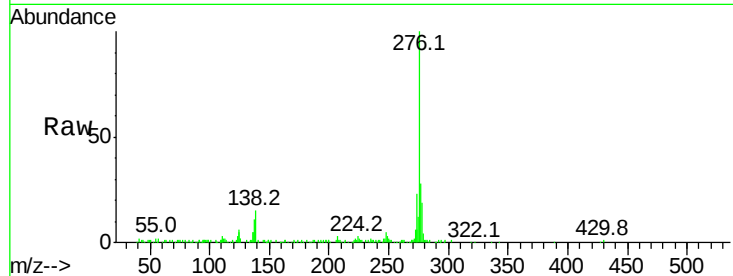
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.506 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.03 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	25.0	37.6#
277	27.4	20.1	30.1

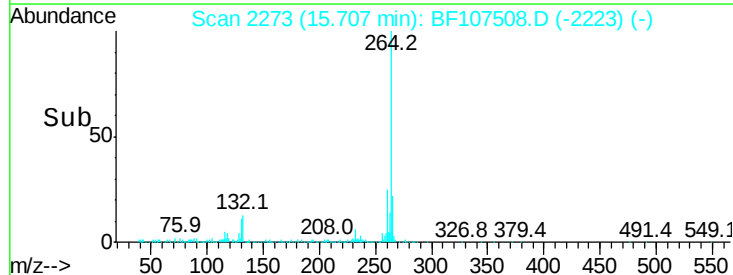
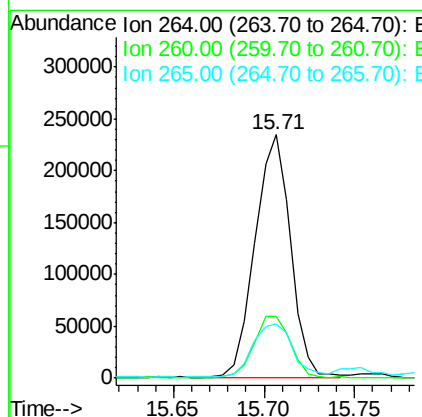
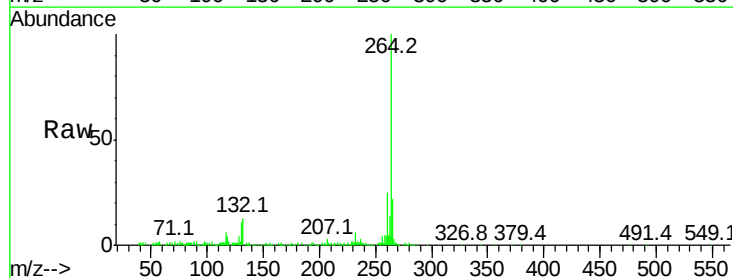
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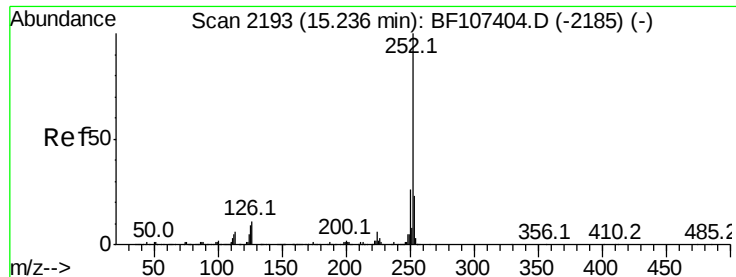
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.0	17.5	26.3





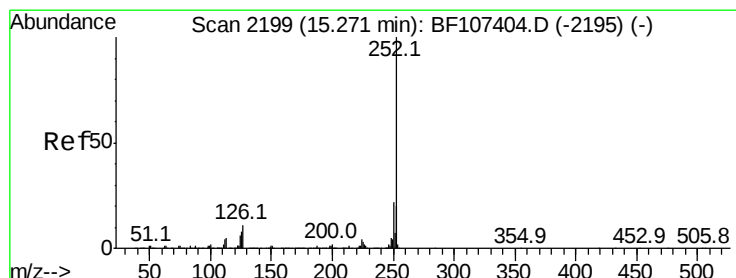
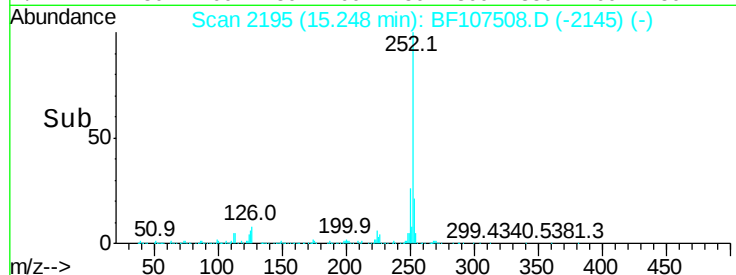
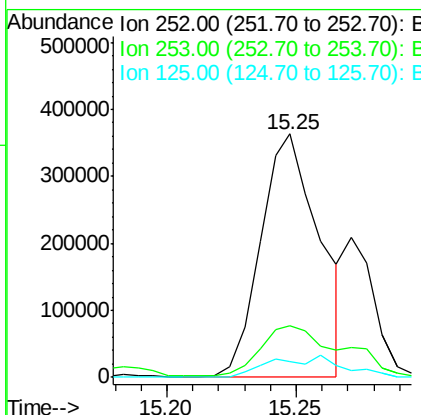
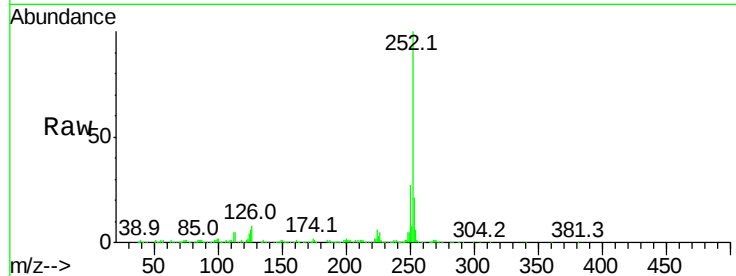
#87
Benzo(b)fluoranthene
Concen: 30.982 ng m
RT: 15.25 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	6.4	9.0	13.6

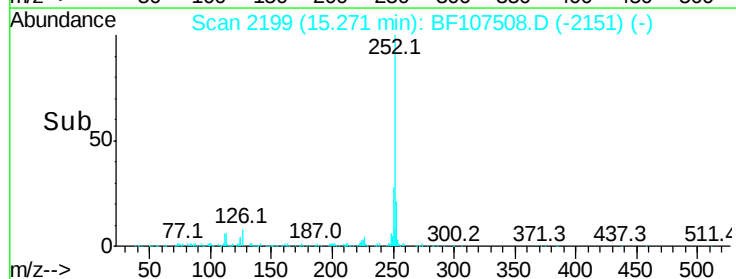
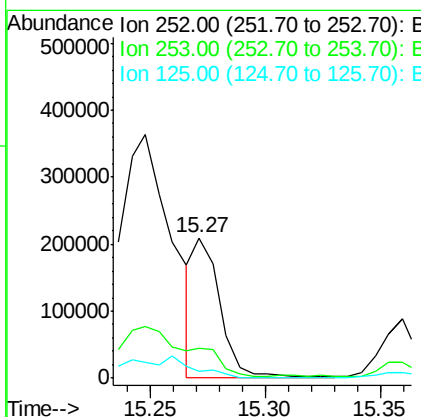
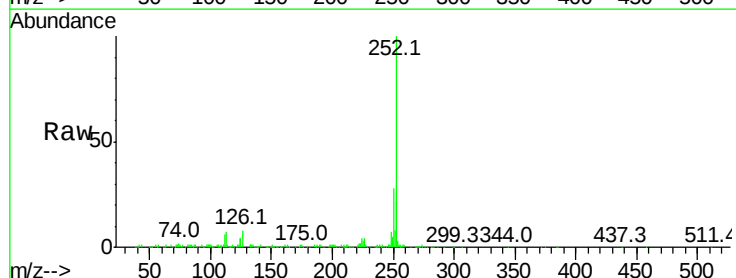
Manual Integrations
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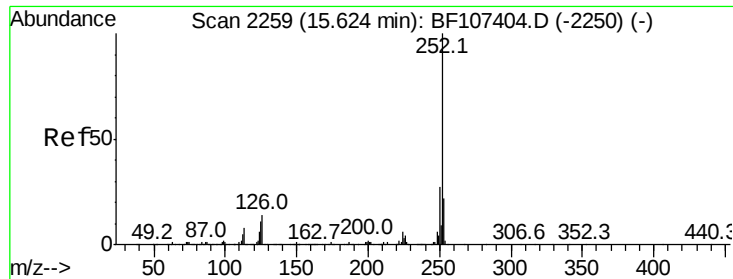
Sohil
7/19/2018 2:23:22 PM



#88
Benzo(k)fluoranthene
Concen: 9.416 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	4.4	10.2	15.2





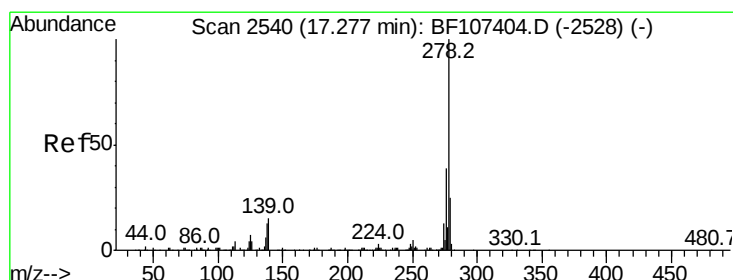
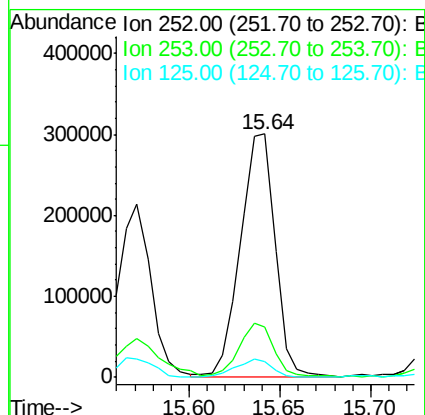
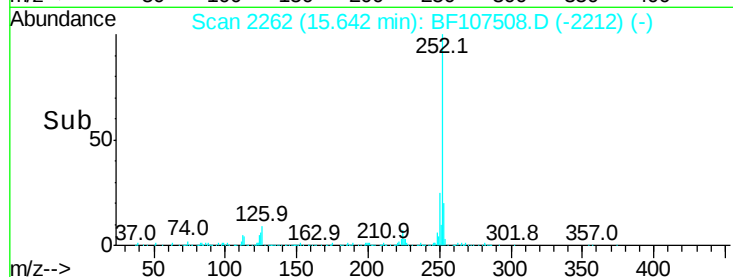
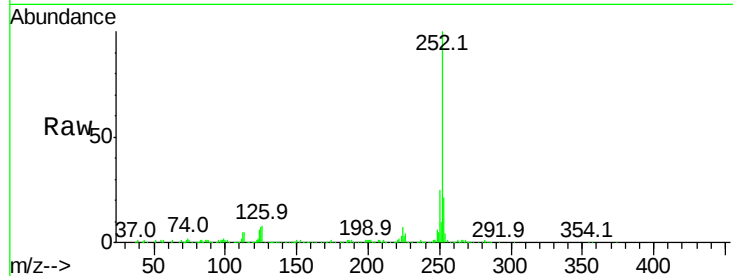
#89
Benzo(a)pyrene
Concen: 23.409 ng/ml
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.1	25.7
125	6.7	9.8	14.6

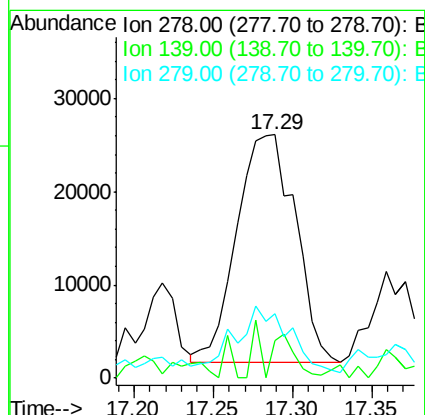
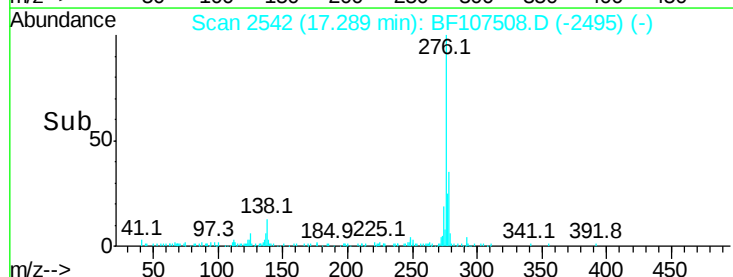
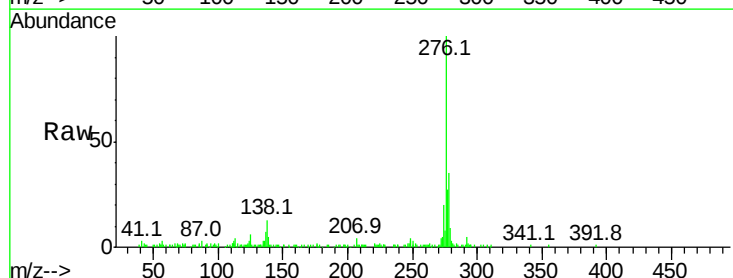
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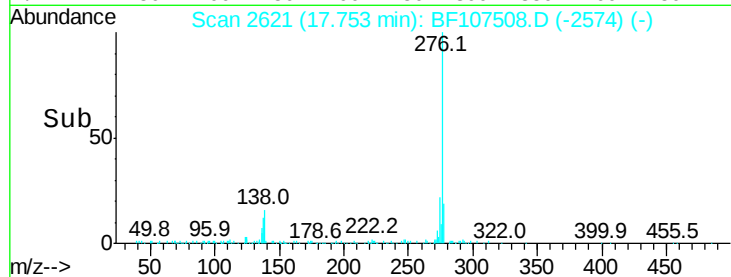
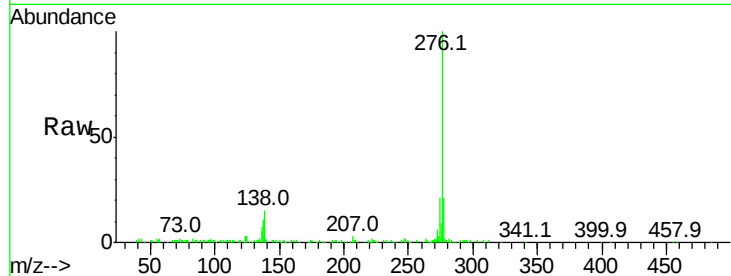
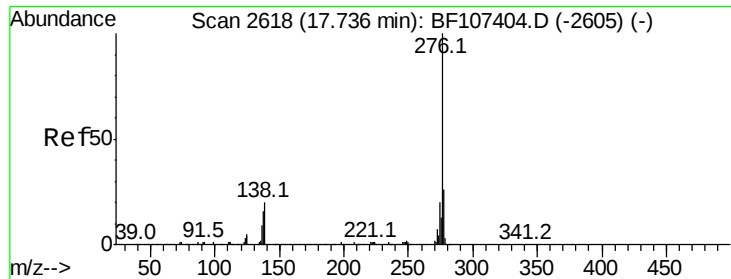
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.849 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	15.9	23.9
279	26.6	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 17.693 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF107508.D
Acq: 19 Jul 2018 11:08

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

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	20.5	17.9	26.9
138	15.1	21.8	32.8

Manual Integrations
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