

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107591.D
 Acq On : 23 Jul 2018 16:38
 Operator : JU/SJ
 Sample : J4030-08 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB7-12-7

Manual Integrations
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Sohil
 7/24/2018 5:26:10 PM

Quant Time: Jul 23 18:59:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	288328	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1058033	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	381298	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	698545	20.00	ng	0.00
75) Chrysene-d12	14.17	240	556301	20.00	ng	0.00
86) Perylene-d12	15.72	264	409972	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	291769	16.27	ng	0.00
7) Phenol-d6	6.61	99	886494	41.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	566434	36.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	24851	5.73	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1005322	37.77	ng	0.00
78) Terphenyl-d14	13.10	244	902839	41.55	ng	0.00
Target Compounds						
48) Acenaphthylene	9.88	152	91580	2.401	ng	99
49) Dimethylphthalate	9.72	163	206277	7.178	ng	# 99
51) Acenaphthene	10.05	154	56648	2.371	ng	97
57) Fluorene	10.57	166	97310	3.877	ng	91
70) Phenanthrene	11.54	178	826156	24.270	ng	99
71) Anthracene	11.59	178	248056	7.238	ng	98
72) Carbazole	11.75	167	76258	2.140	ng	95
74) Fluoranthene	12.74	202	1288606	35.277	ng	98
77) Pyrene	12.97	202	1220050	32.063	ng	97
79) Butylbenzylphthalate	13.57	149	372516	22.764	ng	93
80) Benzo(a)anthracene	14.16	228	537015	16.473	ng	96
82) Chrysene	14.19	228	518328m	16.552	ng	
83) Bis(2-ethylhexyl)phthalate	14.14	149	3675829	159.197	ng	# 89
84) Di-n-octyl phthalate	14.75	149	502709	14.007	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.30	276	205346	7.737	ng	# 91
87) Benzo(b)fluoranthene	15.25	252	504221m	22.472	ng	
88) Benzo(k)fluoranthene	15.28	252	137327m	6.247	ng	
89) Benzo(a)pyrene	15.65	252	337176	16.428	ng	# 92
90) Dibenzo(a,h)anthracene	17.31	278	50526	2.848	ng	# 60
91) Benzo(a,h,i)perylene	17.79	276	210361	12.021	ng	# 94

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

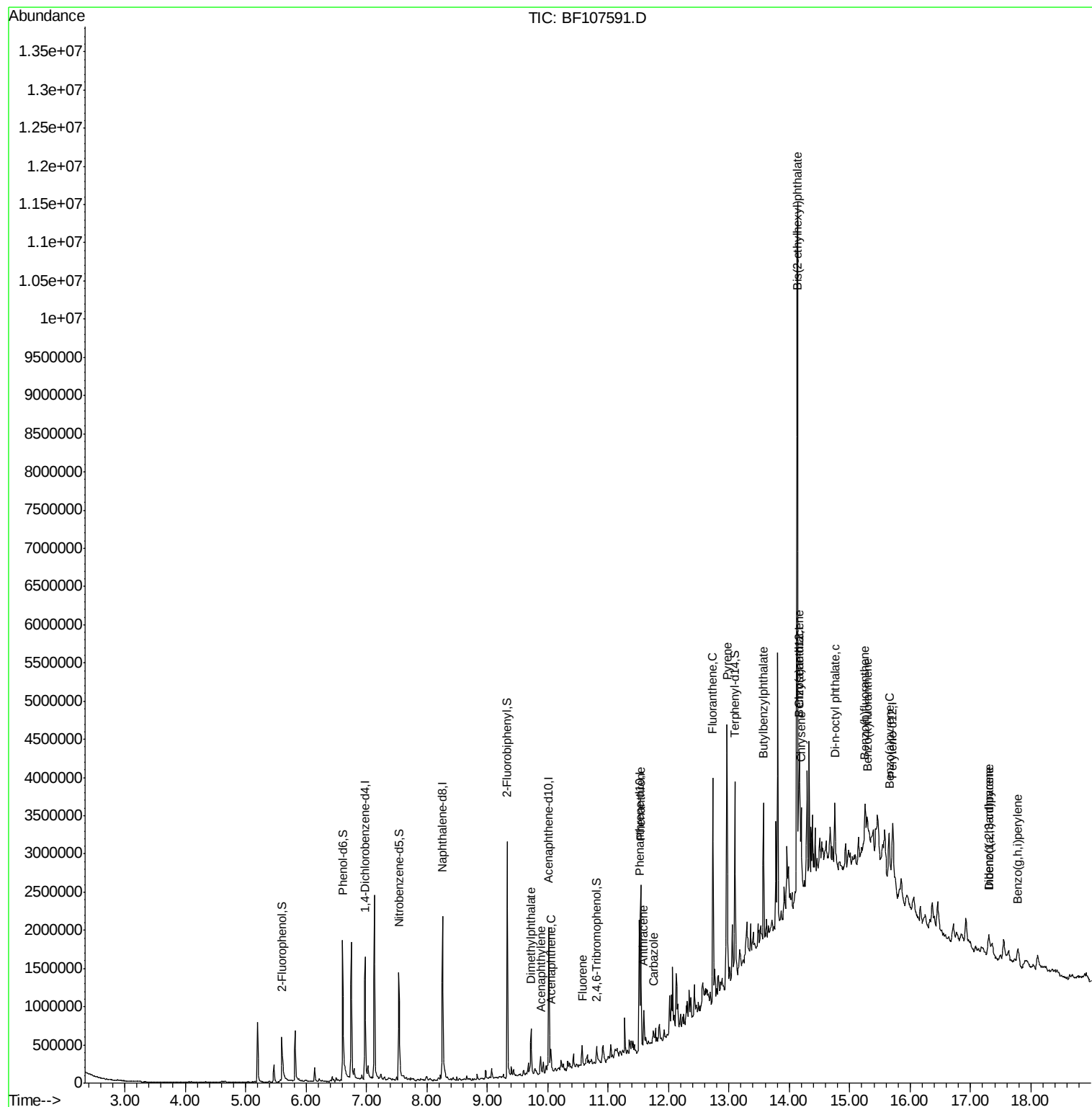
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107591.D
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Sample : J4030-08 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

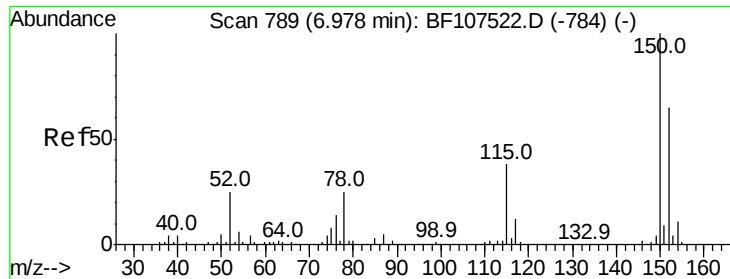
Instrument :
BNA_F
ClientSampleId :
SB7-12-7

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Quant Time: Jul 23 18:59:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration





#1

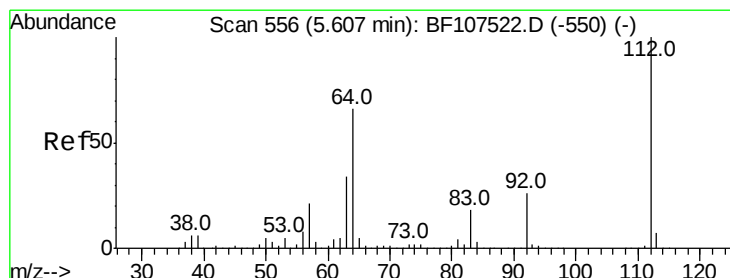
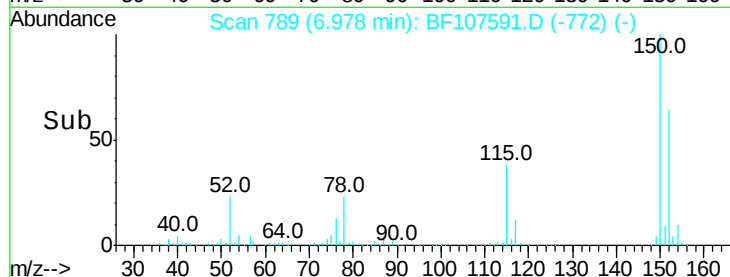
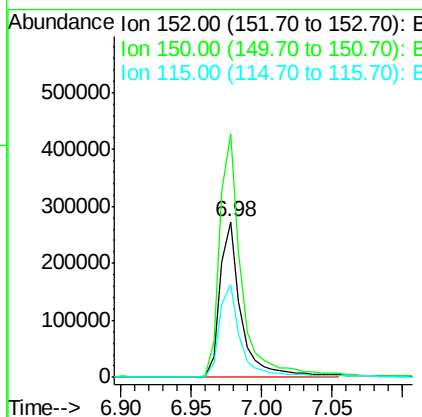
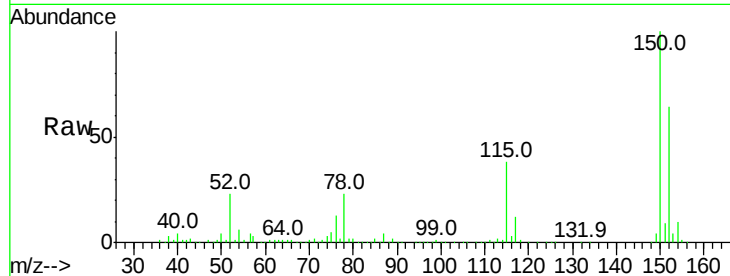
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SB7-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	59.5	50.1	75.1

Manual Integrations
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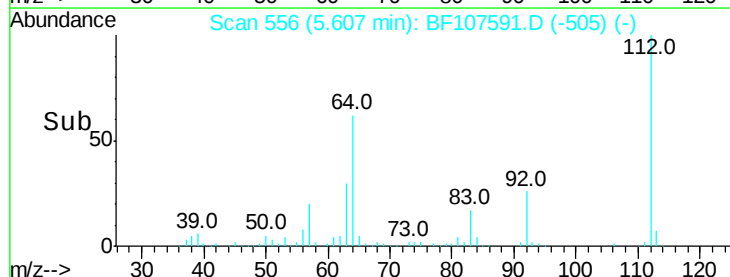
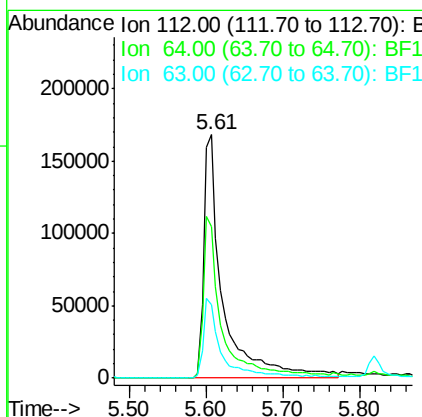
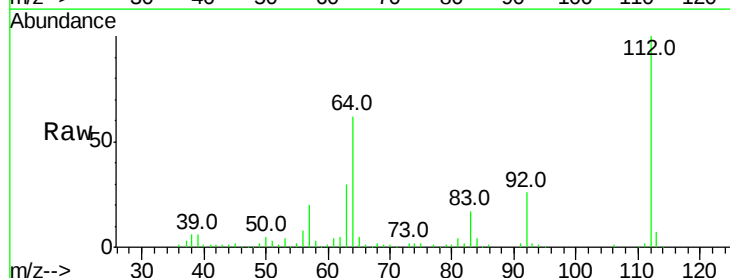
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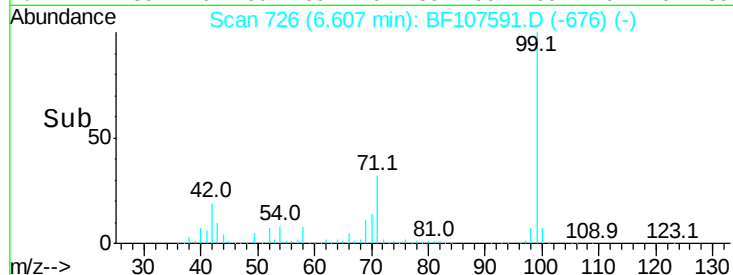
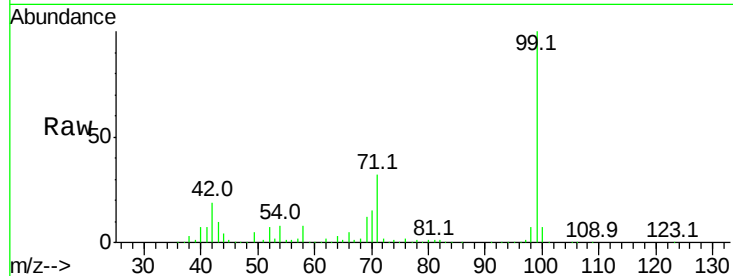
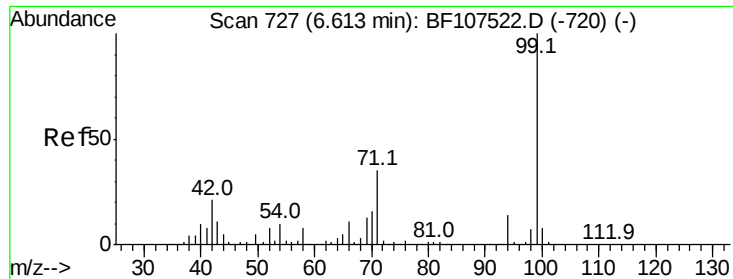


#5

2-Fluorophenol
 Concen: 16.270 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 41.169 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Tot Ion:	99	Resp:	886494
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	32.3	25.4	38.0

Instrument :

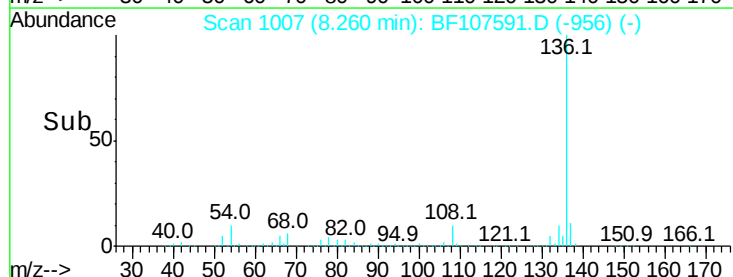
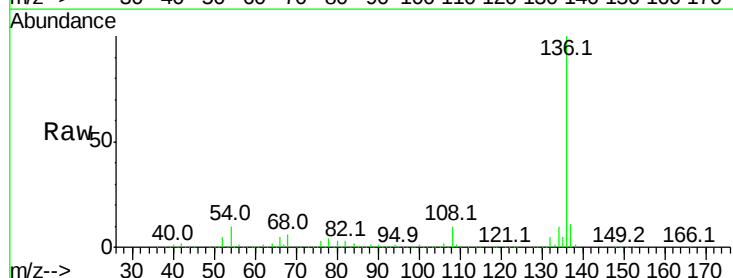
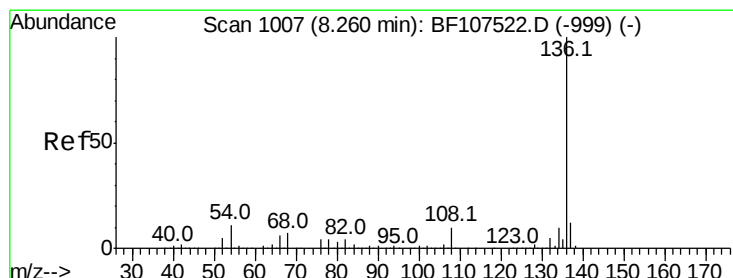
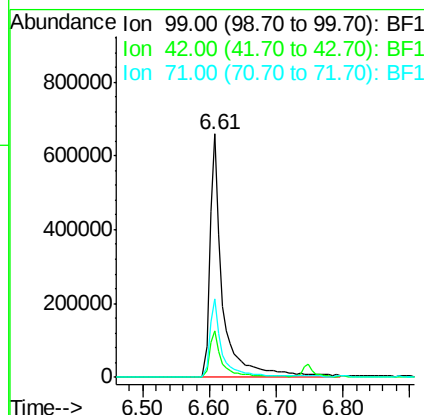
BNA_F

ClientSampleId :

SB7-12-7

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#21

Naphthalene-d8

Concen: 20.000 ng

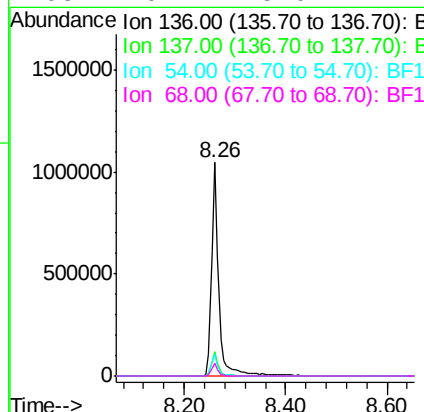
RT: 8.26 min Scan# 1007

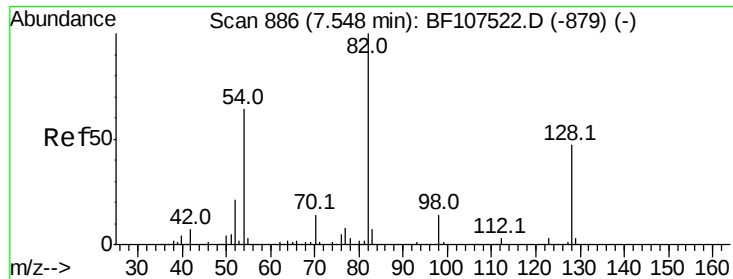
Delta R.T. -0.00 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Tgt Ion:	136	Resp:	1058033
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	10.0	6.6	9.8#
68	6.1	5.0	7.4





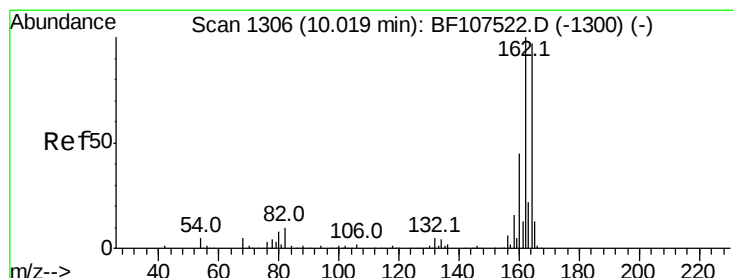
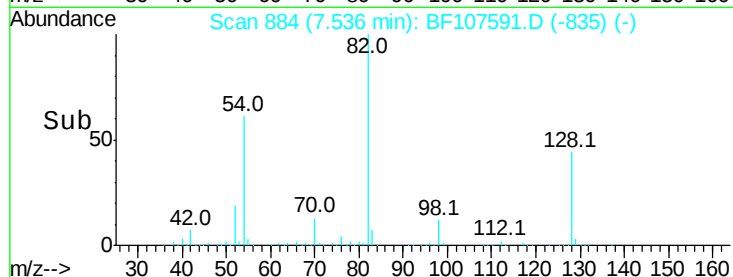
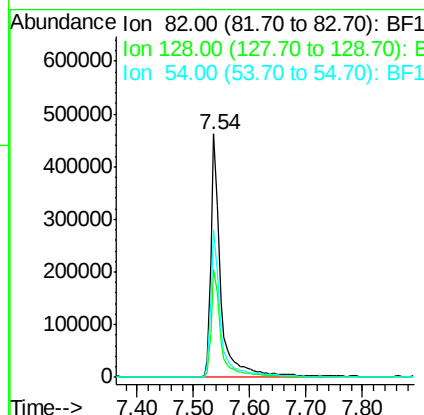
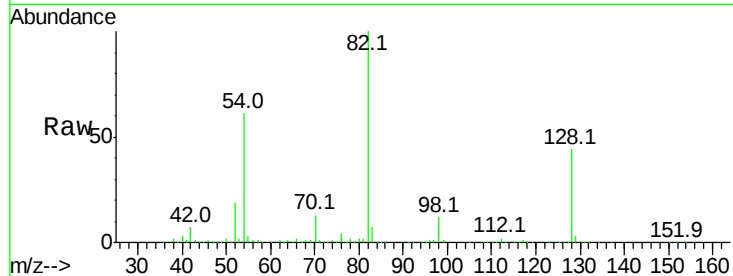
#23
 Nitrobenzene-d5
 Concen: 36.131 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SB7-12-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	60.7	41.4	62.2

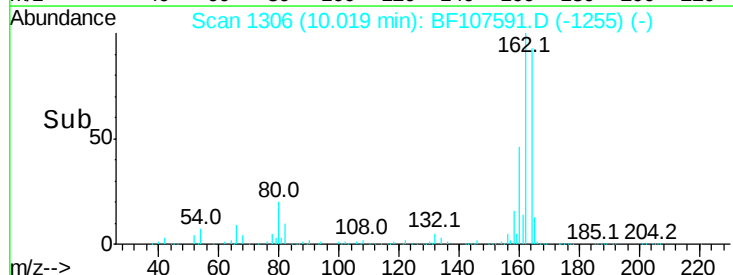
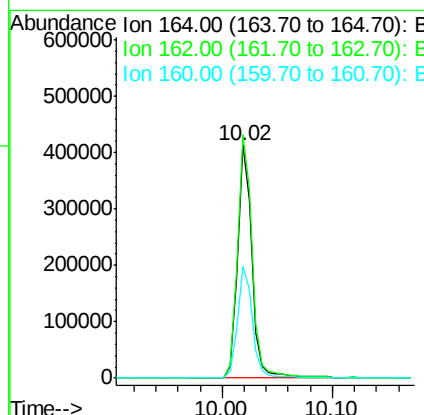
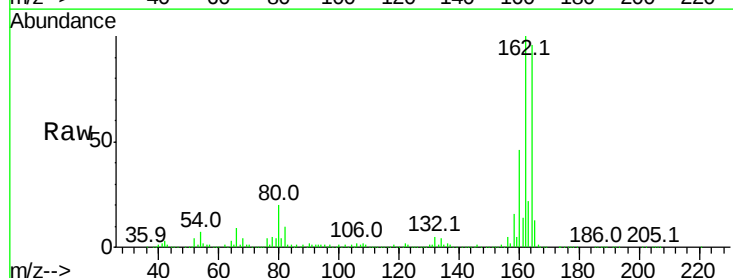
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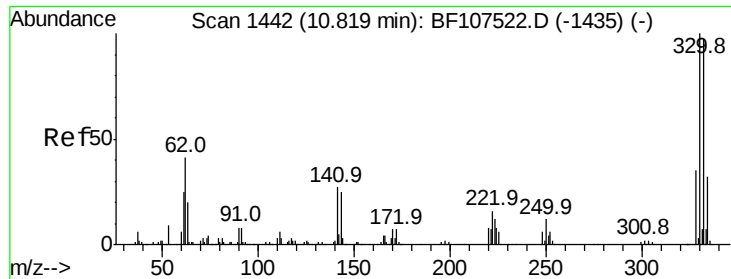
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	47.9	38.3	57.5





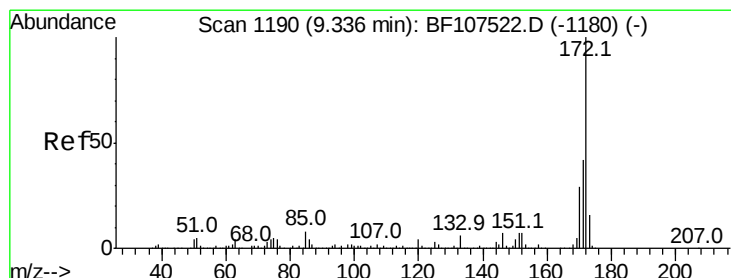
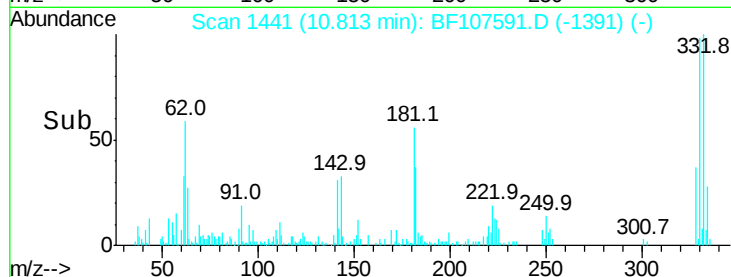
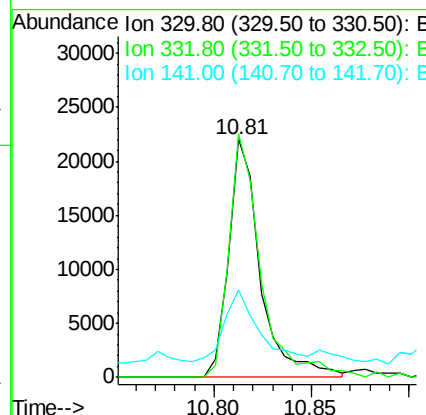
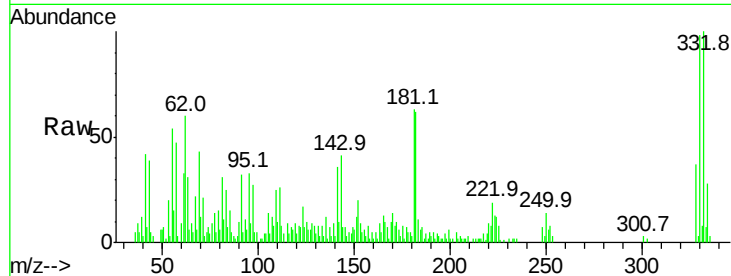
#41
 2,4,6-Tribromophenol
 Concen: 5.731 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampled :
 SB7-12-7

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	31.2	29.9	44.9

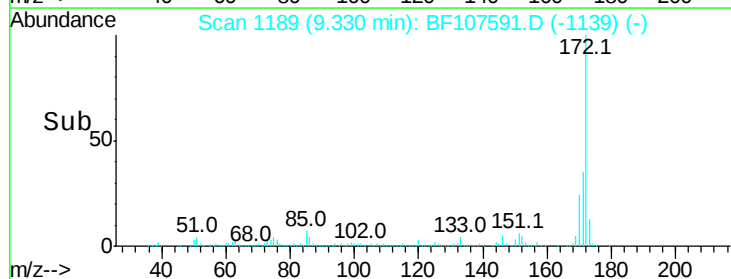
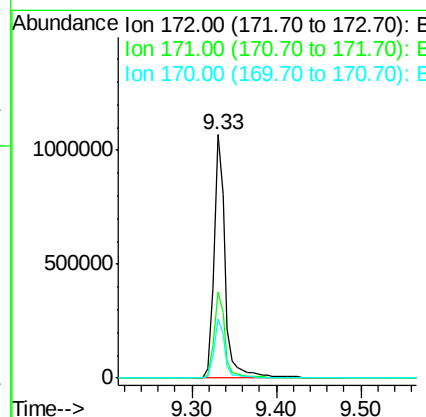
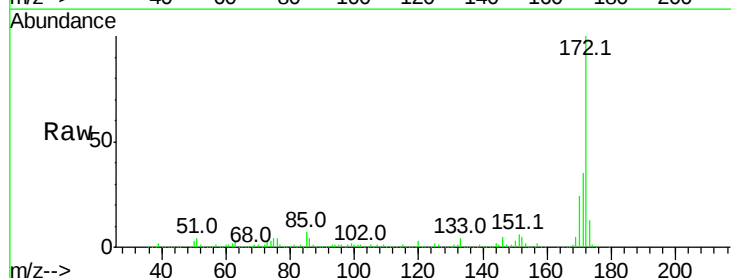
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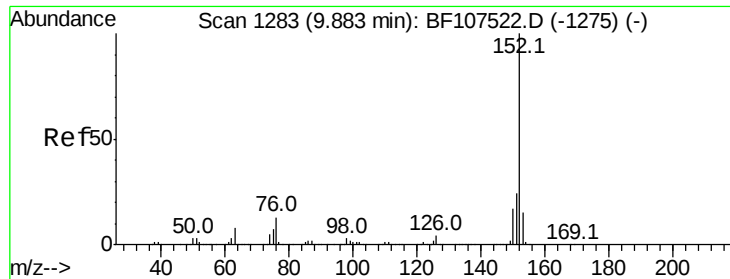
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#44
 2-Fluorobiphenyl
 Concen: 37.770 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.2	19.6	29.4





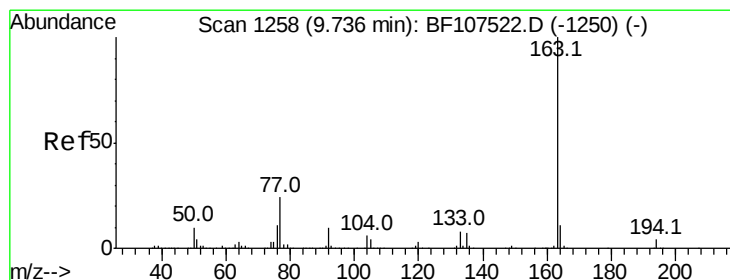
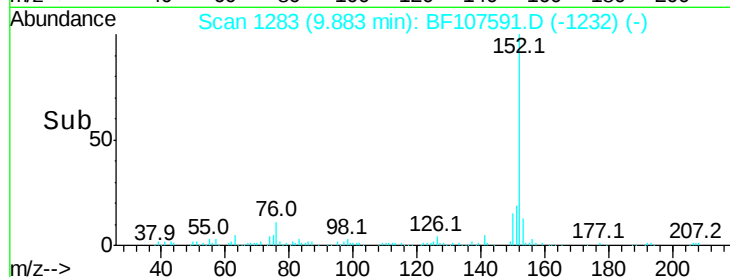
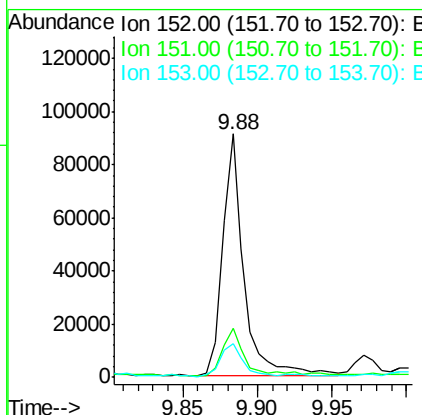
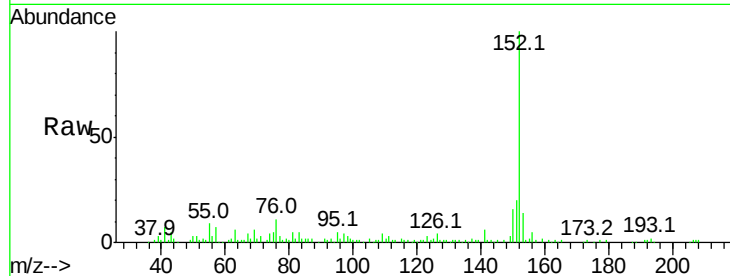
#48
Acenaphthylene
Concen: 2.401 ng
RT: 9.88 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.7	10.7	16.1

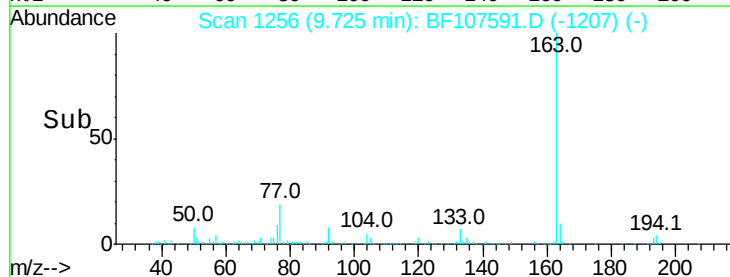
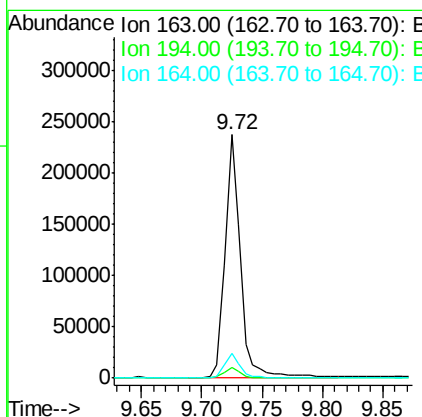
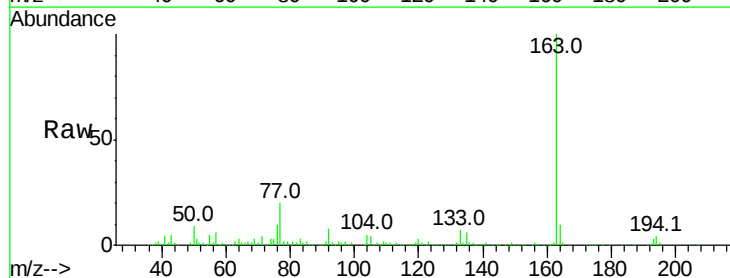
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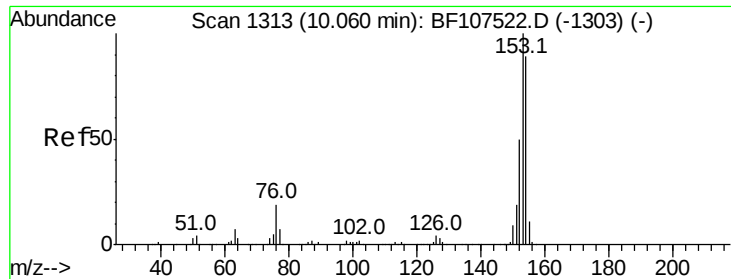
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#49
Dimethylphthalate
Concen: 7.178 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 2.371 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Instrument :

BNA_F

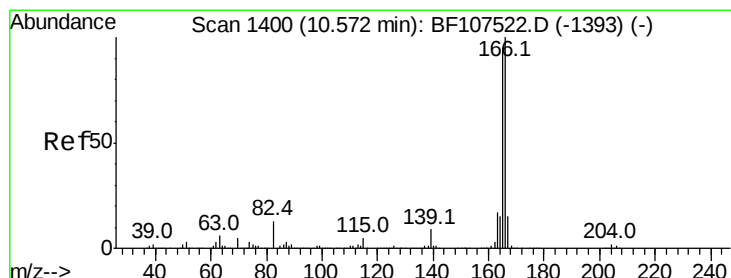
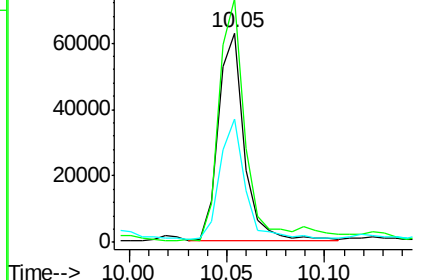
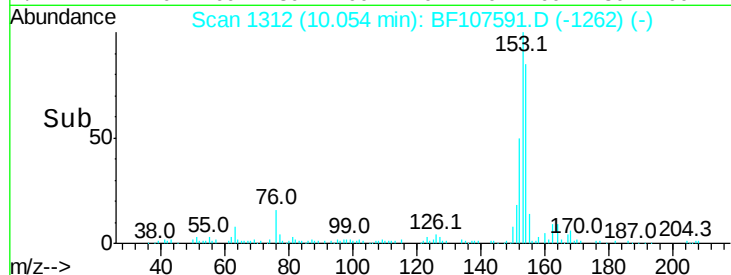
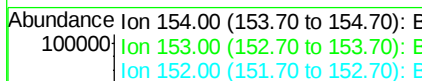
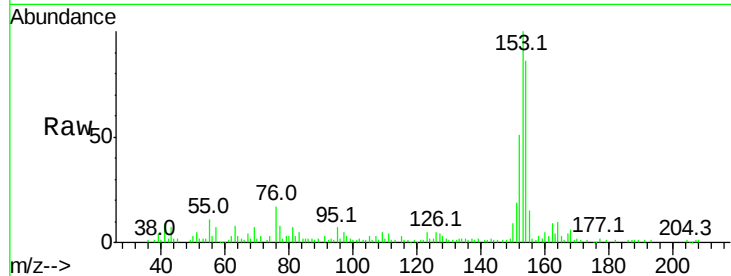
ClientSampled :

SB7-12-7

Tot Ion:	154	Resp:	56648
Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.2	136.8
152	59.1	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 3.877 ng

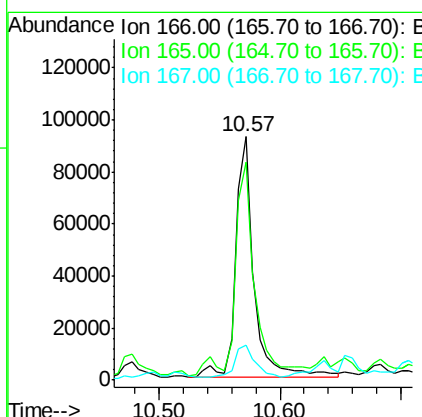
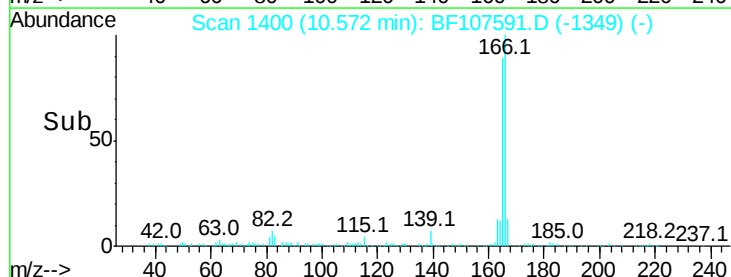
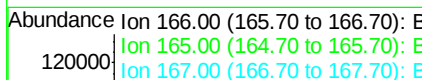
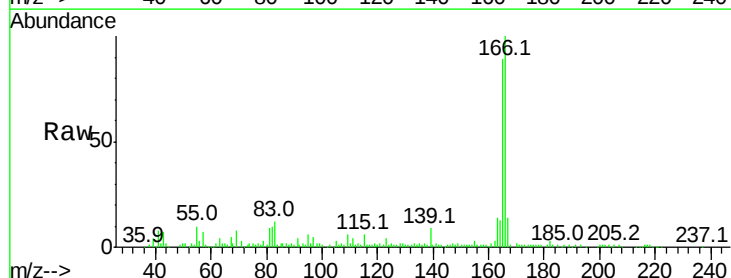
RT: 10.57 min Scan# 1400

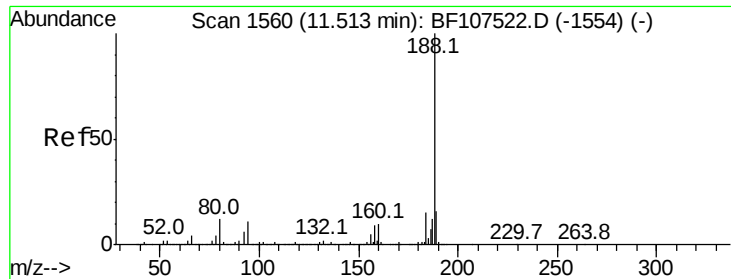
Delta R.T. 0.00 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Tgt Ion:	166	Resp:	97310
Ion	Ratio	Lower	Upper
166	100		
165	89.4	79.8	119.8
167	14.1	10.6	16.0





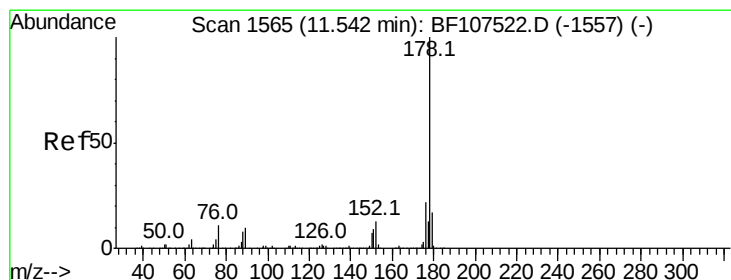
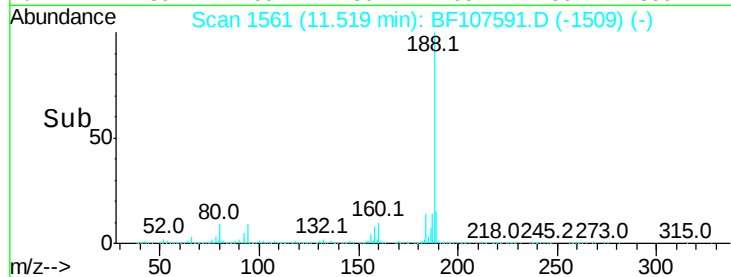
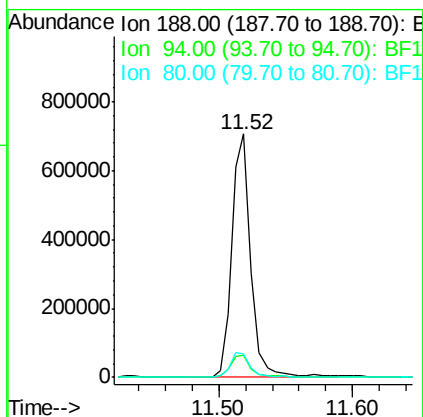
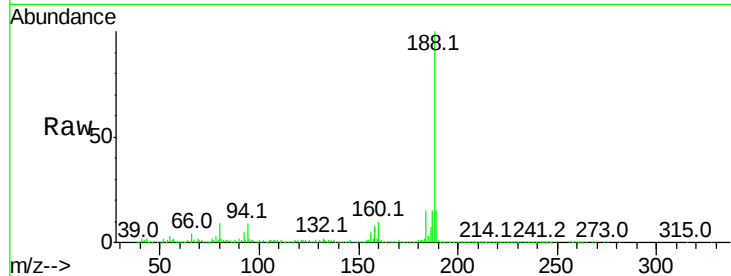
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.5	9.2	13.8

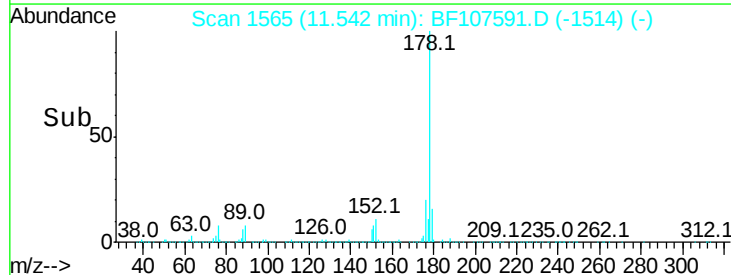
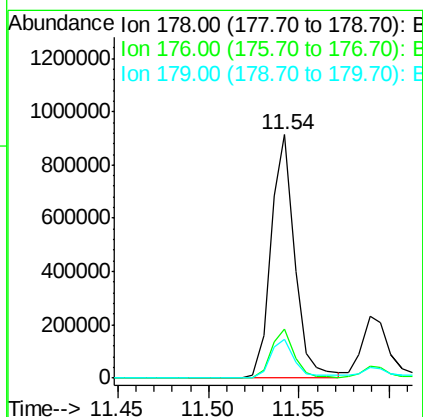
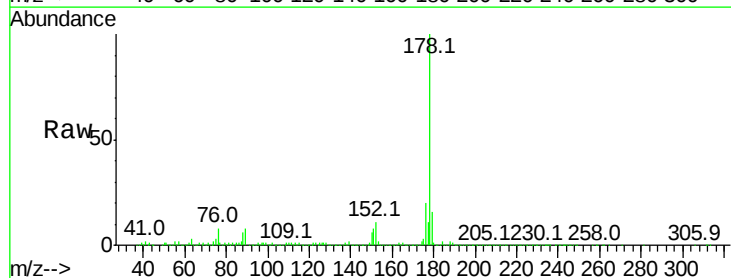
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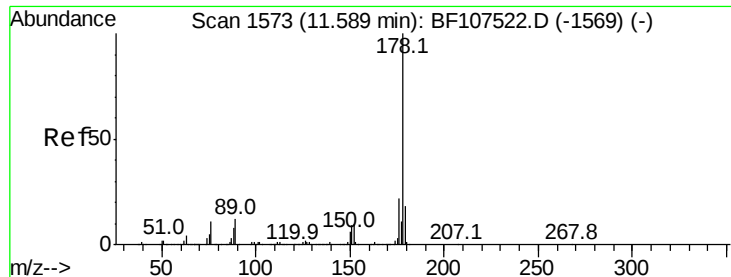
Sohil
7/24/2018 5:26:10 PM



#70
Phenanthrene
Concen: 24.270 ng
RT: 11.54 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6





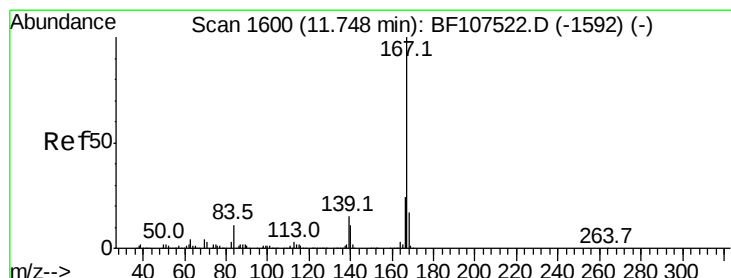
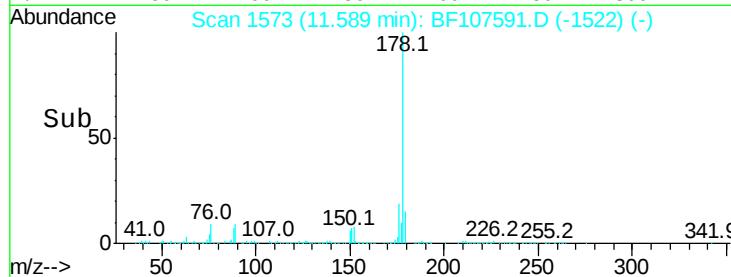
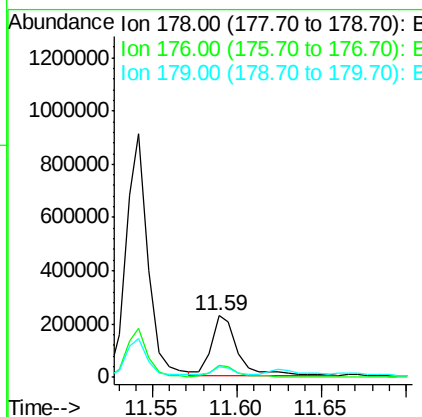
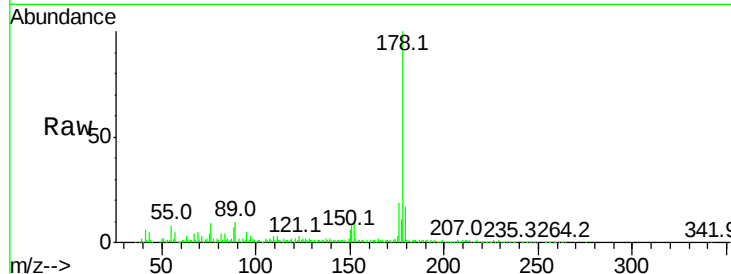
#71
 Anthracene
 Concen: 7.238 ng
 RT: 11.59 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SB7-12-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.7	12.6	19.0

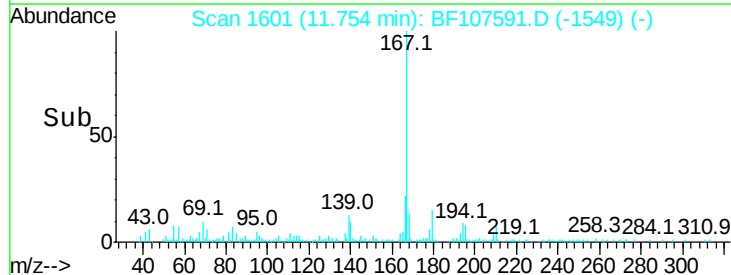
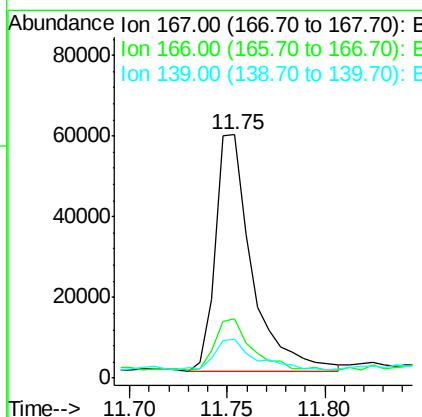
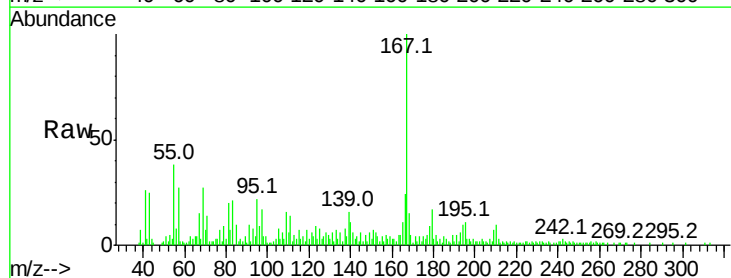
Manual Integrations
 APPROVED

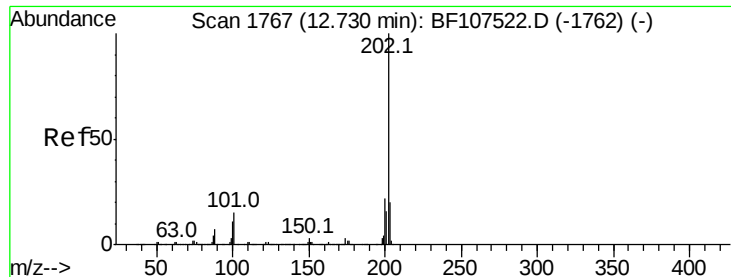
Sohil
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#72
 Carbazole
 Concen: 2.140 ng
 RT: 11.75 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.6	26.4
139	16.0	10.9	16.3





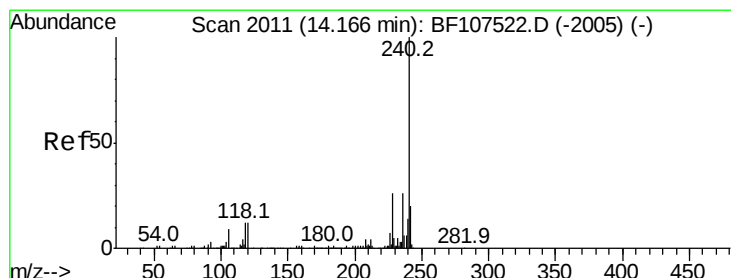
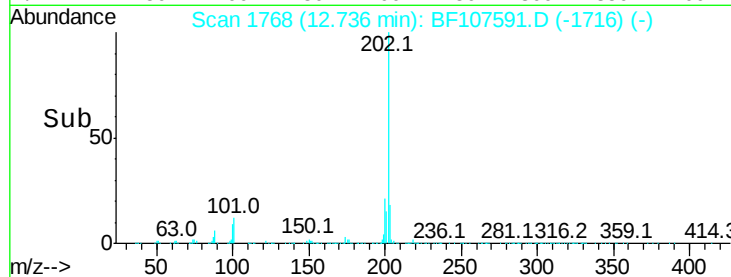
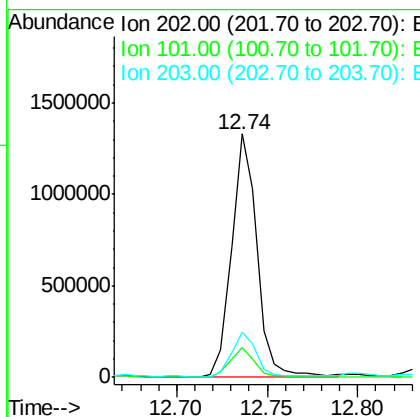
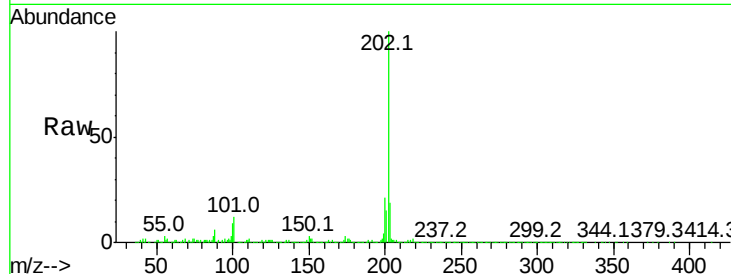
#74
 Fluoranthene
 Concen: 35.277 ng
 RT: 12.74 min Scan# 1768
 Delta R.T. 0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 SB7-12-7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1288606		
101	12.5		0.0	34.1
203	18.7		0.0	38.1

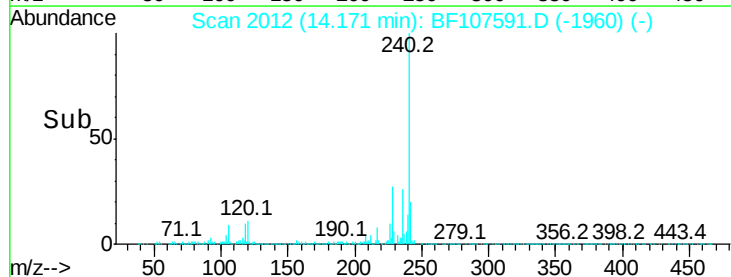
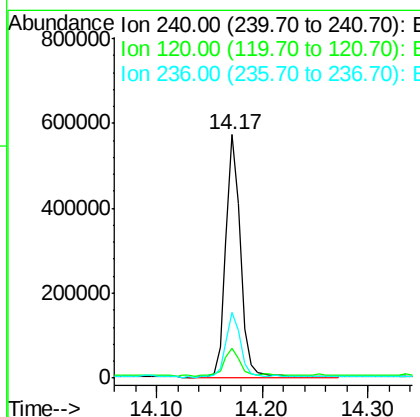
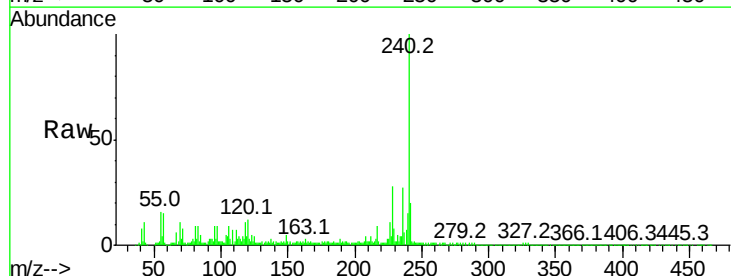
Manual Integrations
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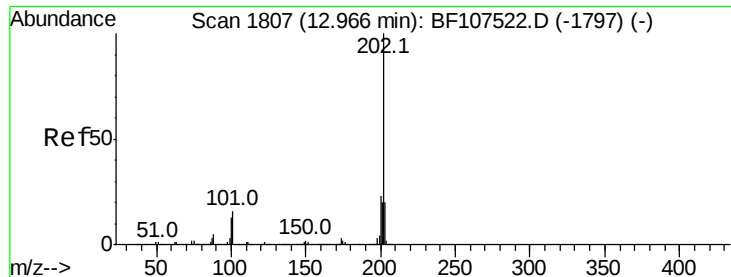
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. 0.01 min
 Lab File: BF107591.D
 Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	556301		
120	12.1		9.5	14.3
236	26.8		20.7	31.1





#77

Pvrene

Concen: 32.063 ng

RT: 12.97 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Instrument :

BNA_F

ClientSampleId :

SB7-12-7

Tot Ion:202 Resp: 1220050

Ion Ratio Lower Upper

202 100

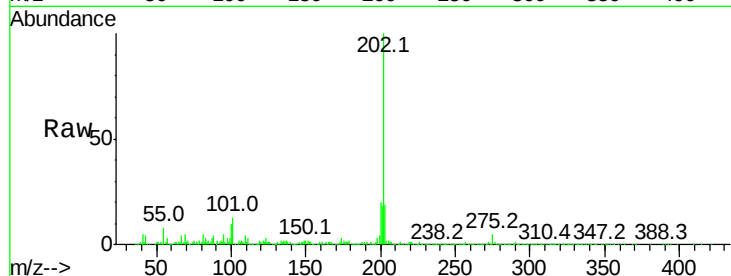
200 20.3 17.4 26.2

203 19.0 14.3 21.5

Manual Integrations
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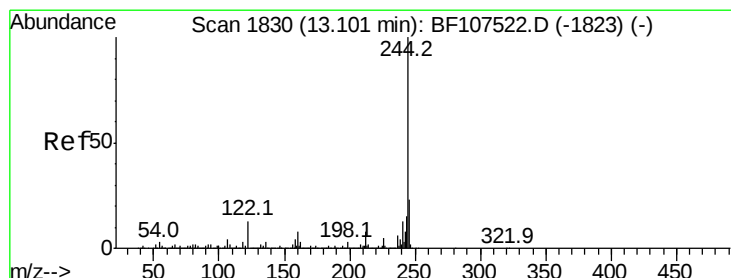
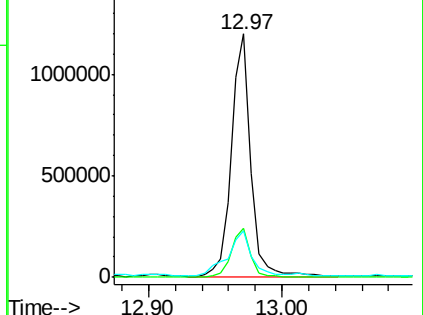
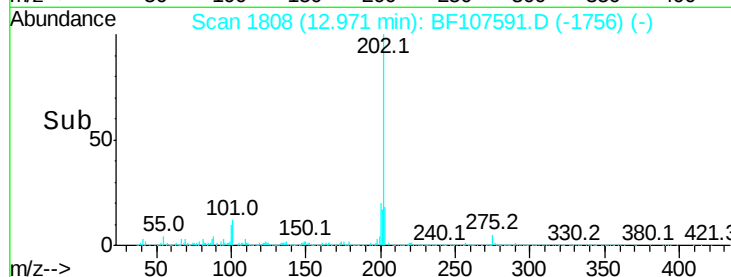
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 41.549 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

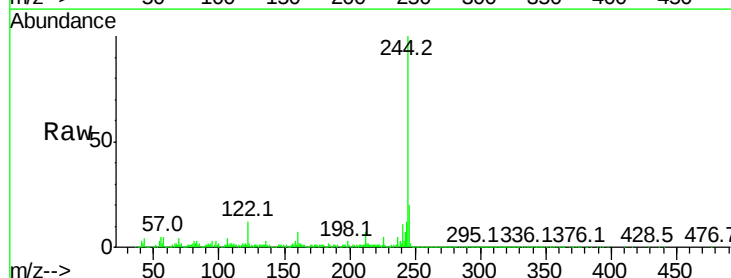
Tgt Ion:244 Resp: 902839

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

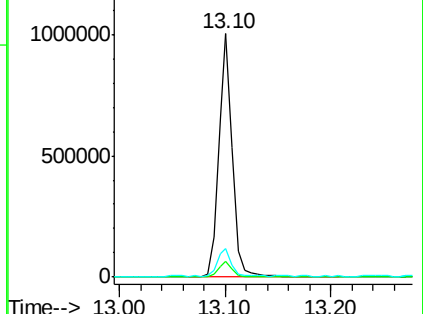
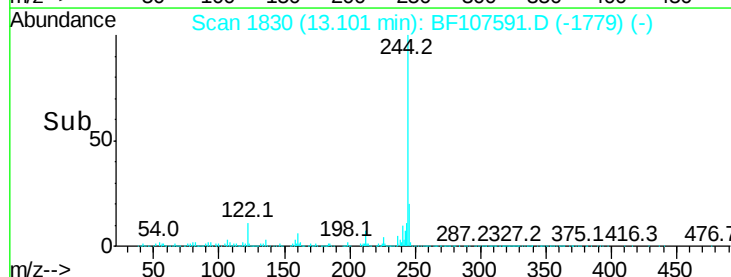
122 11.8 11.0 16.4

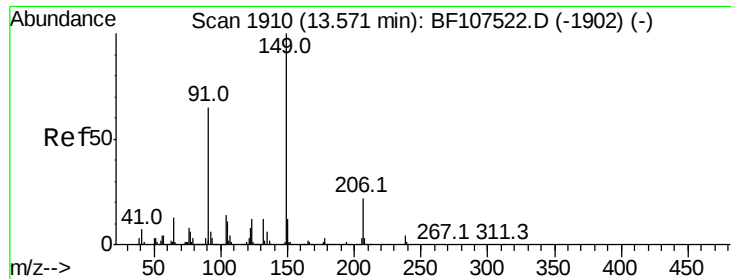


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





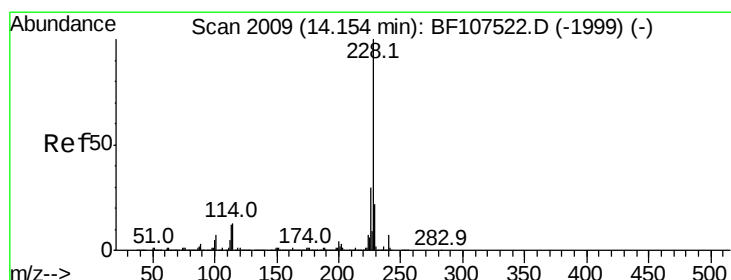
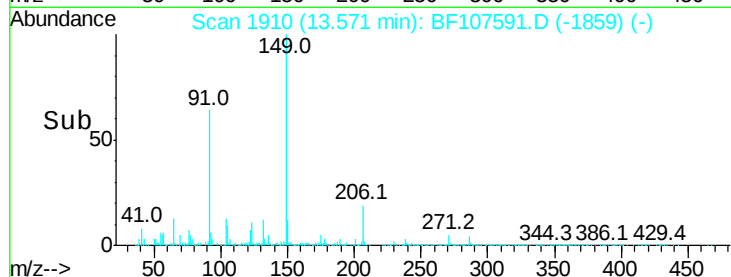
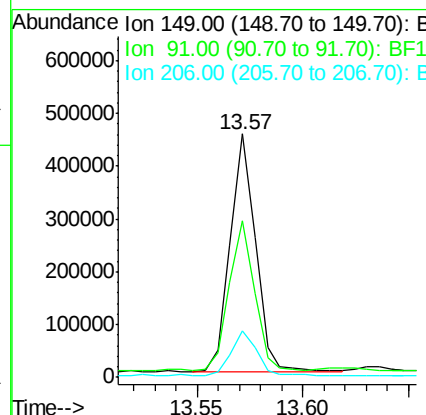
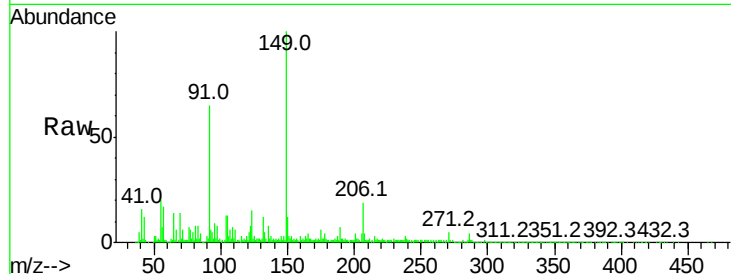
#79
Butylbenzylphthalate
Concen: 22.764 ng
RT: 13.57 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
91	64.5	56.8	85.2	
206	19.0	14.1	21.1	

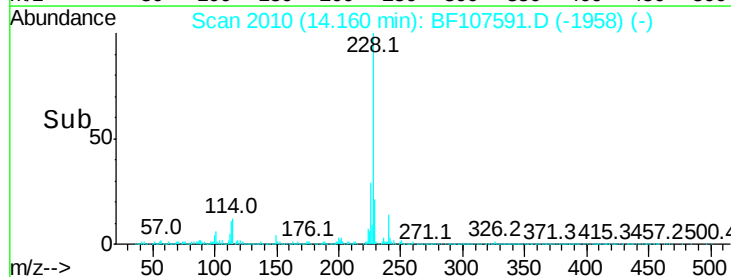
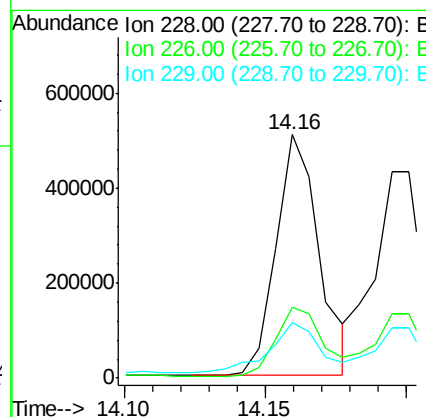
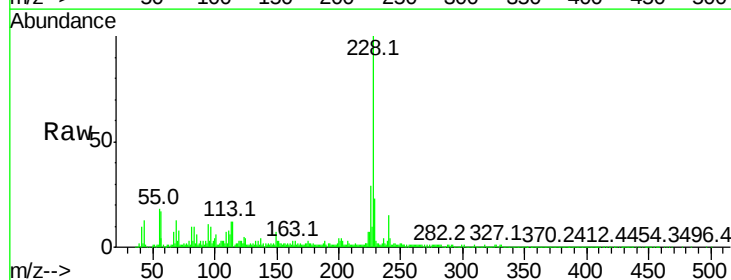
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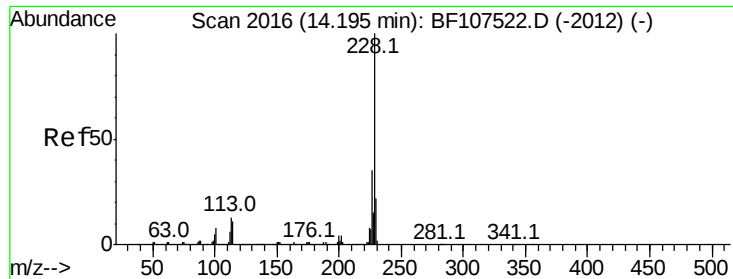
Sohil
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#80
Benzo(a)anthracene
Concen: 16.473 ng
RT: 14.16 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.3	22.6	33.8	
229	22.6	15.8	23.6	





#82

Chrysene

Concen: 16.552 ng m

RT: 14.19 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Instrument :

BNA_F

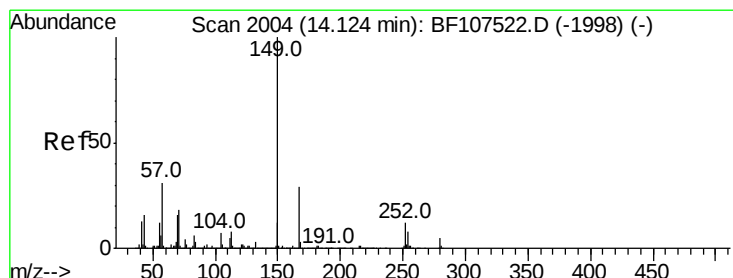
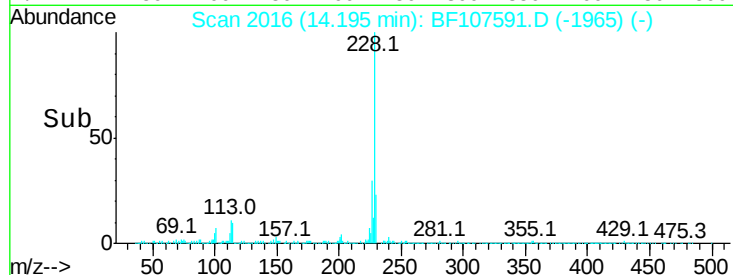
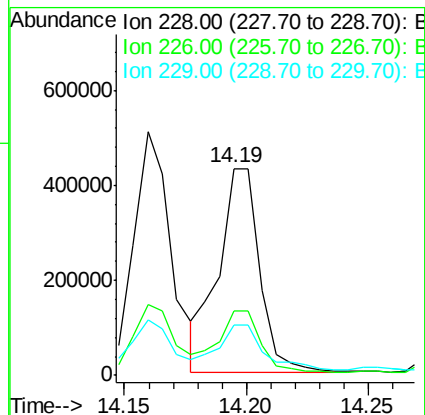
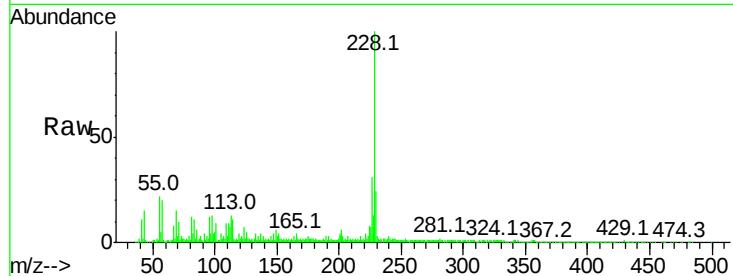
ClientSampleId :

SB7-12-7

Tot Ion:	228	Resp:	518328
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	24.5	16.2	24.4#

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 159.197 ng

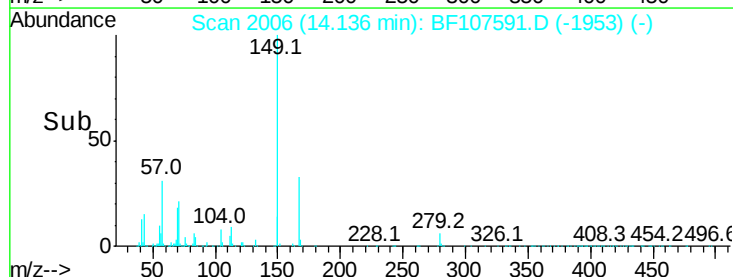
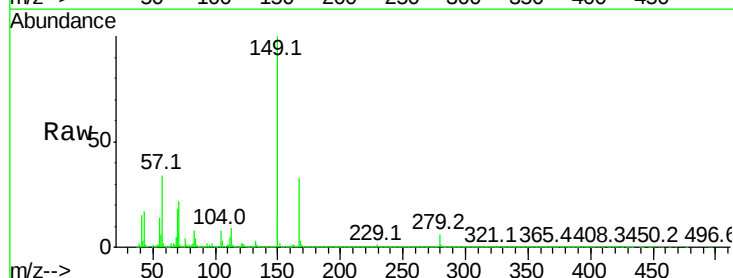
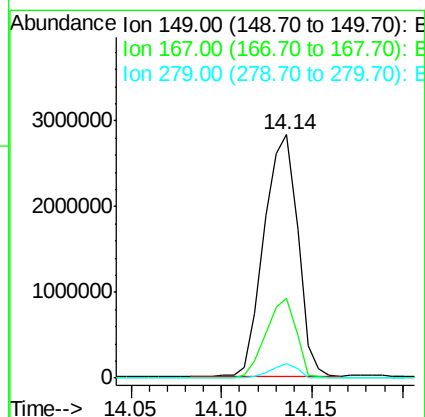
RT: 14.14 min Scan# 2006

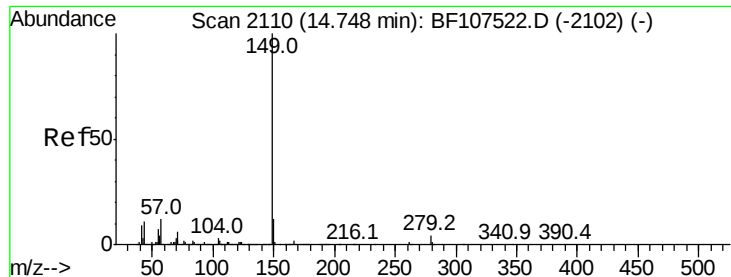
Delta R.T. 0.01 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Tgt Ion:	149	Resp:	3675829
Ion Ratio	Lower	Upper	
149	100		
167	32.6	21.3	31.9#
279	5.7	3.0	4.4#





#84

Di-n-octyl phthalate

Concen: 14.007 ng

RT: 14.75 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Instrument :

BNA_F

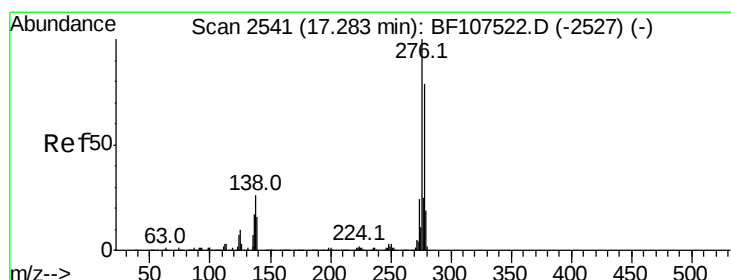
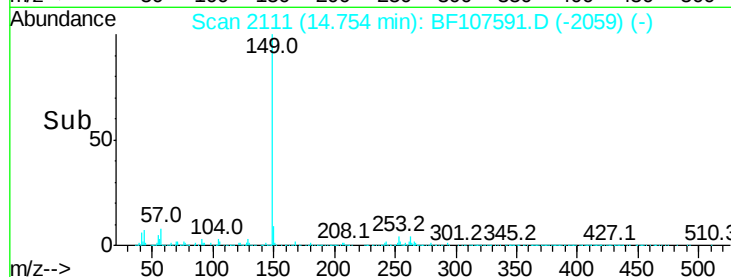
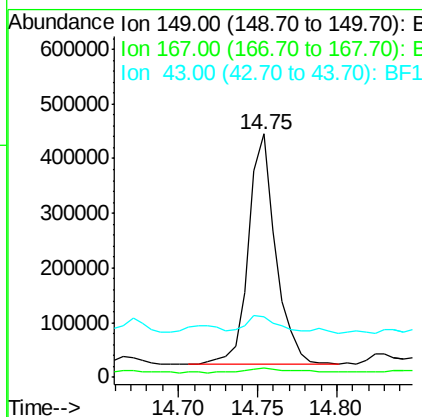
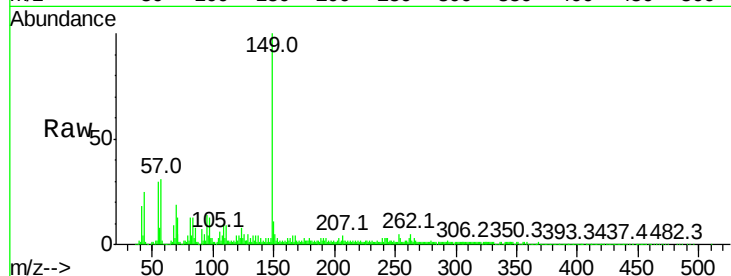
ClientSampleId :

SB7-12-7

Tot Ion:	149	Resp:	502709
Ion Ratio	Lower	Upper	
149	100		
167	3.3	1.2	1.8#
43	7.0	8.4	12.6#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.737 ng

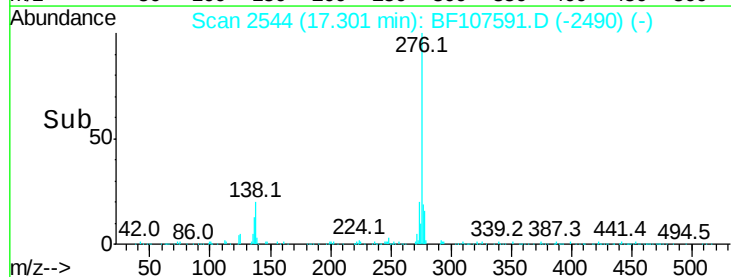
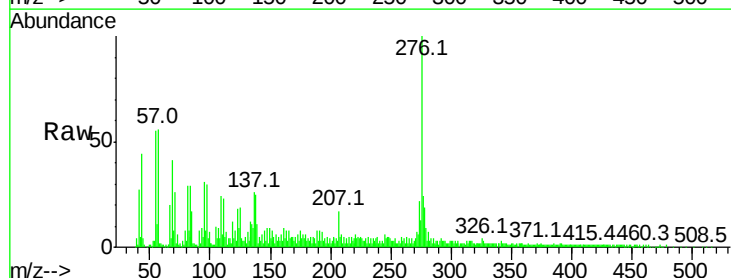
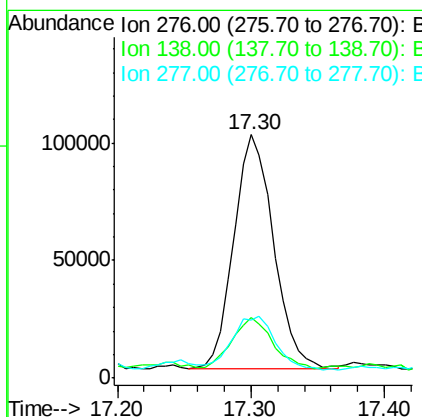
RT: 17.30 min Scan# 2544

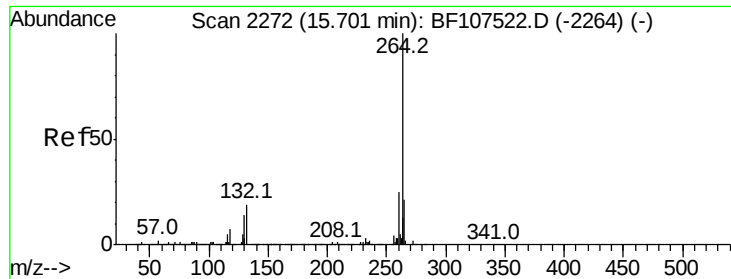
Delta R.T. 0.02 min

Lab File: BF107591.D

Acq: 23 Jul 2018 16:38

Tgt Ion:	276	Resp:	205346
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	24.5	20.1	30.1





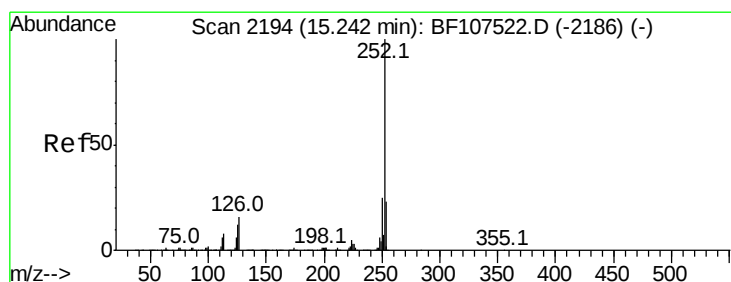
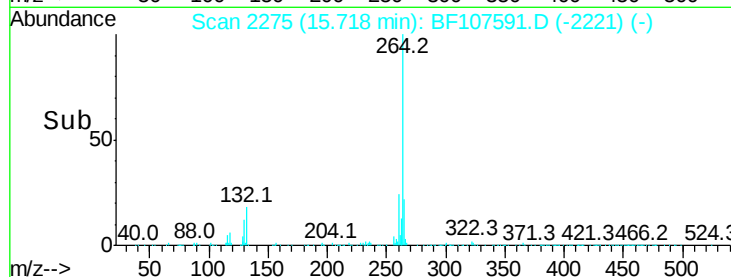
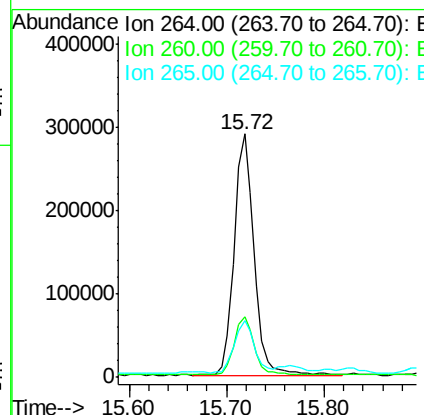
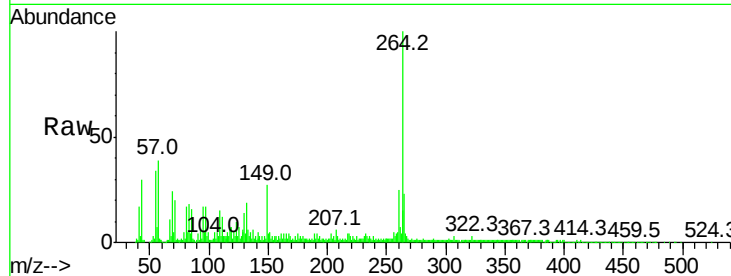
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.4	17.5	26.3

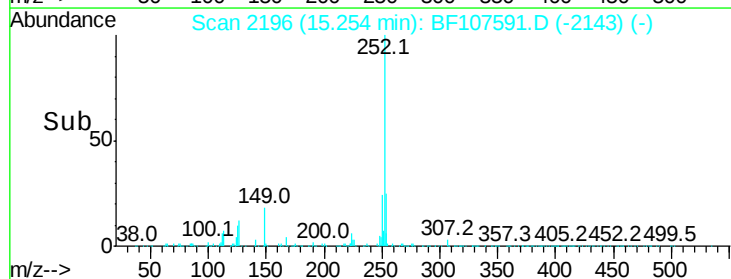
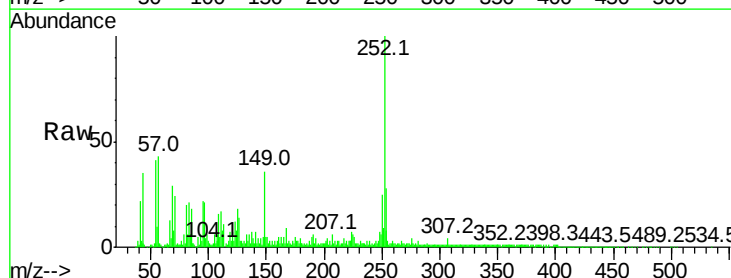
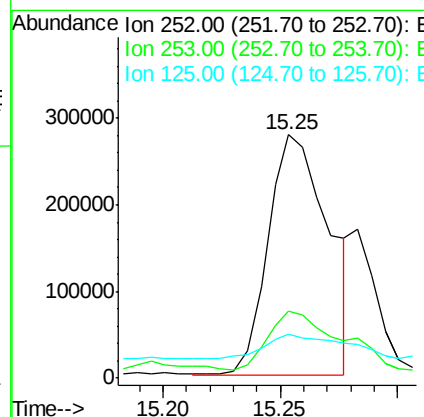
Manual Integrations
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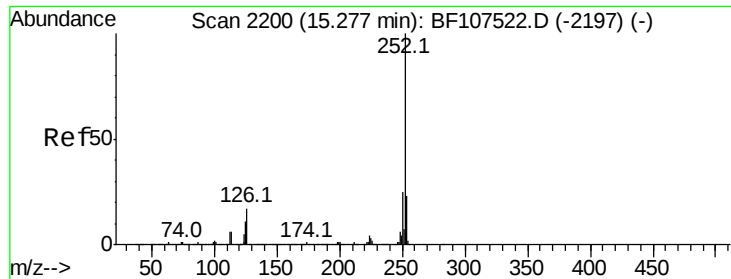
Sohil
7/24/2018 5:26:10 PM



#87
Benzo(b)fluoranthene
Concen: 22.472 ng m
RT: 15.25 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	18.1	9.0	13.6#





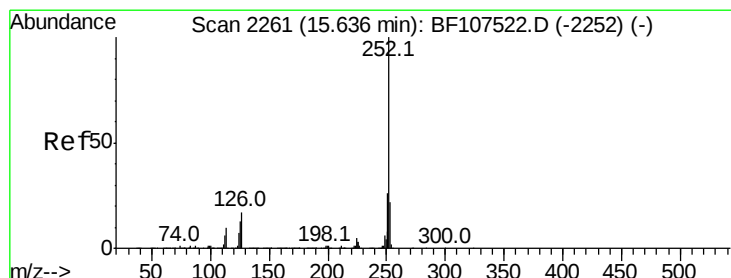
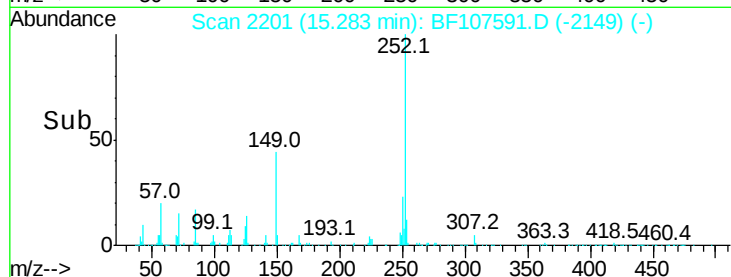
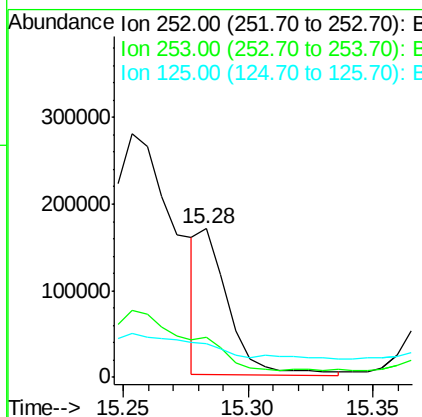
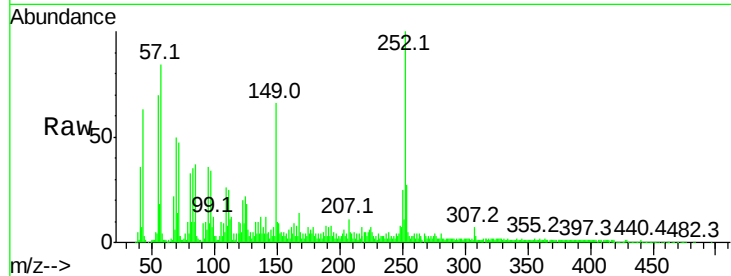
#88
Benzo(k)fluoranthene
Concen: 6.247 ng m
RT: 15.28 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	22.3	10.2	15.2

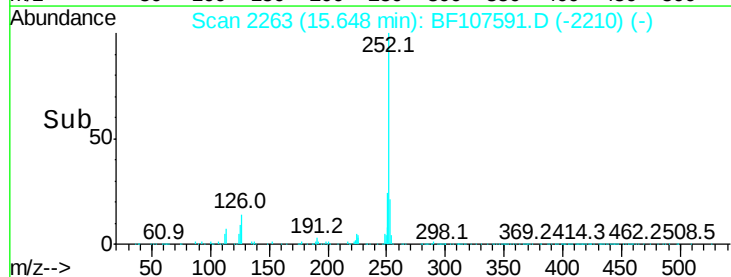
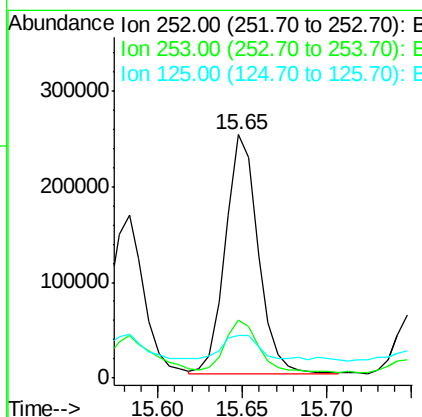
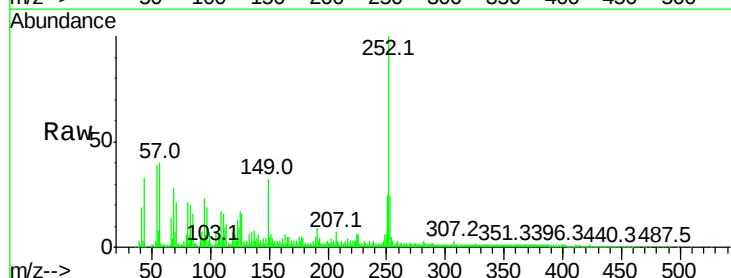
Manual Integrations
APPROVED

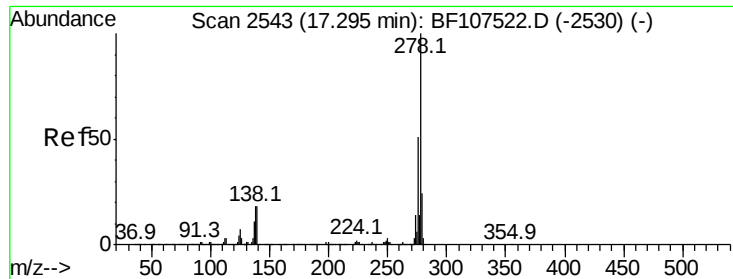
Sohil
7/24/2018 5:26:10 PM



#89
Benzo(a)pyrene
Concen: 16.428 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	17.5	9.8	14.6





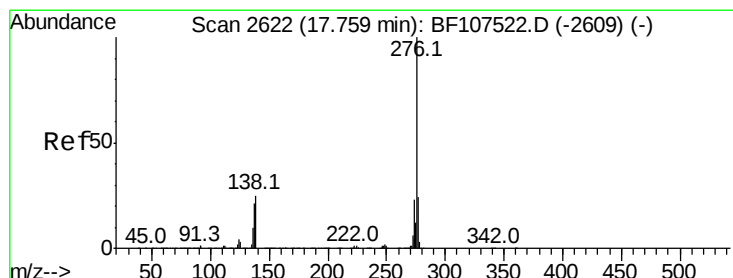
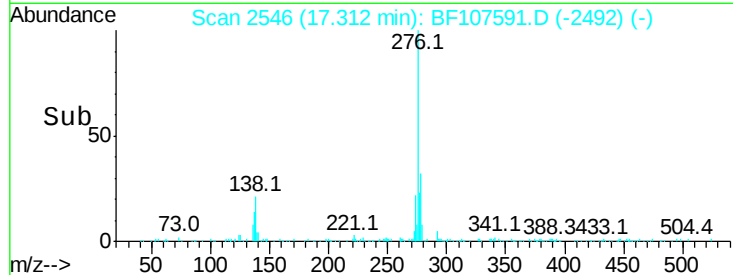
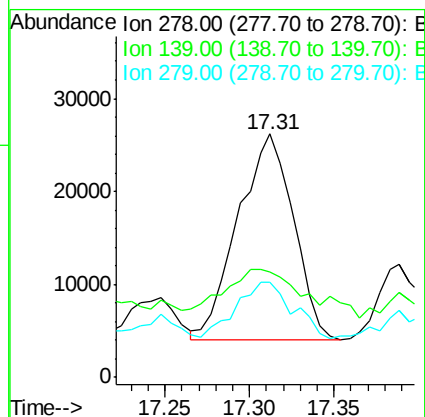
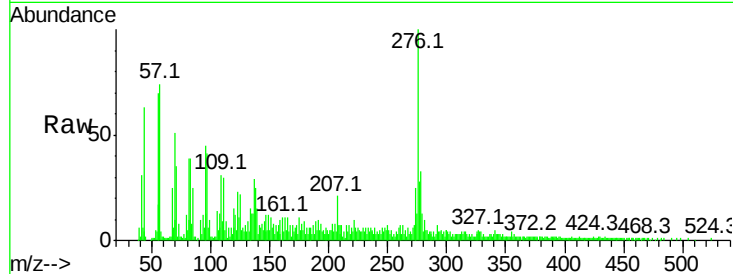
#90
Dibenzo(a,h)anthracene
Concen: 2.848 ng
RT: 17.31 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
SB7-12-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	43.5	15.9	23.9#
279	38.9	19.0	28.4#

Manual Integrations
APPROVED

Sohil
7/24/2018 5:26:10 PM



#91
Benzo(g,h,i)perylene
Concen: 12.021 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.03 min
Lab File: BF107591.D
Acq: 23 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	26.4	21.8	32.8

