

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107713.D
 Acq On : 26 Jul 2018 21:21
 Operator : JU/SJ
 Sample : J4109-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(8-10)

Manual Integrations
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Sohil
 7/27/2018 2:54:02 PM

Quant Time: Jul 27 05:10:38 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	6.97	152	190006	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	795509	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	359686	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	635563	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	425461	20.00	ng	-0.02
86) Perylene-d12	15.68	264	490301	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	922091	78.03	ng	-0.01
7) Phenol-d6	6.60	99	1290949	90.98	ng	-0.01
23) Nitrobenzene-d5	7.52	82	777159	65.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	340023	83.13	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1082573	44.54	ng	-0.02
78) Terphenyl-d14	13.08	244	922256	55.49	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.27	128	756375	21.622	ng	100
37) 2-Methylnaphthalene	8.95	142	160077	6.604	ng	99
48) Acenaphthylene	9.86	152	252228	7.011	ng	98
49) Dimethylphthalate	9.71	163	226912	8.371	ng	99
51) Acenaphthene	10.03	154	169382	7.514	ng	98
54) Dibenzofuran	10.21	168	298042	8.981	ng	100
57) Fluorene	10.55	166	484602	20.468	ng	95
70) Phenanthrene	11.52	178	1549860	50.042	ng	99
71) Anthracene	11.57	178	666168	21.363	ng	99
72) Carbazole	11.74	167	168826	5.206	ng	99
74) Fluoranthene	12.72	202	1367030	41.133	ng	97
77) Pyrene	12.95	202	1187690	40.811	ng	98
80) Benzo(a)anthracene	14.14	228	645184	25.877	ng	93
82) Chrysene	14.17	228	556371	23.230	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	238308m	11.740	ng	
87) Benzo(b)fluoranthene	15.22	252	654732m	24.400	ng	
88) Benzo(k)fluoranthene	15.25	252	243076m	9.246	ng	
89) Benzo(a)pyrene	15.61	252	545110	22.208	ng	96
90) Dibenzo(a,h)anthracene	17.25	278	69981m	3.298	ng	
91) Benzo(g,h,i)perylene	17.72	276	210239	10.045	ng	93

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

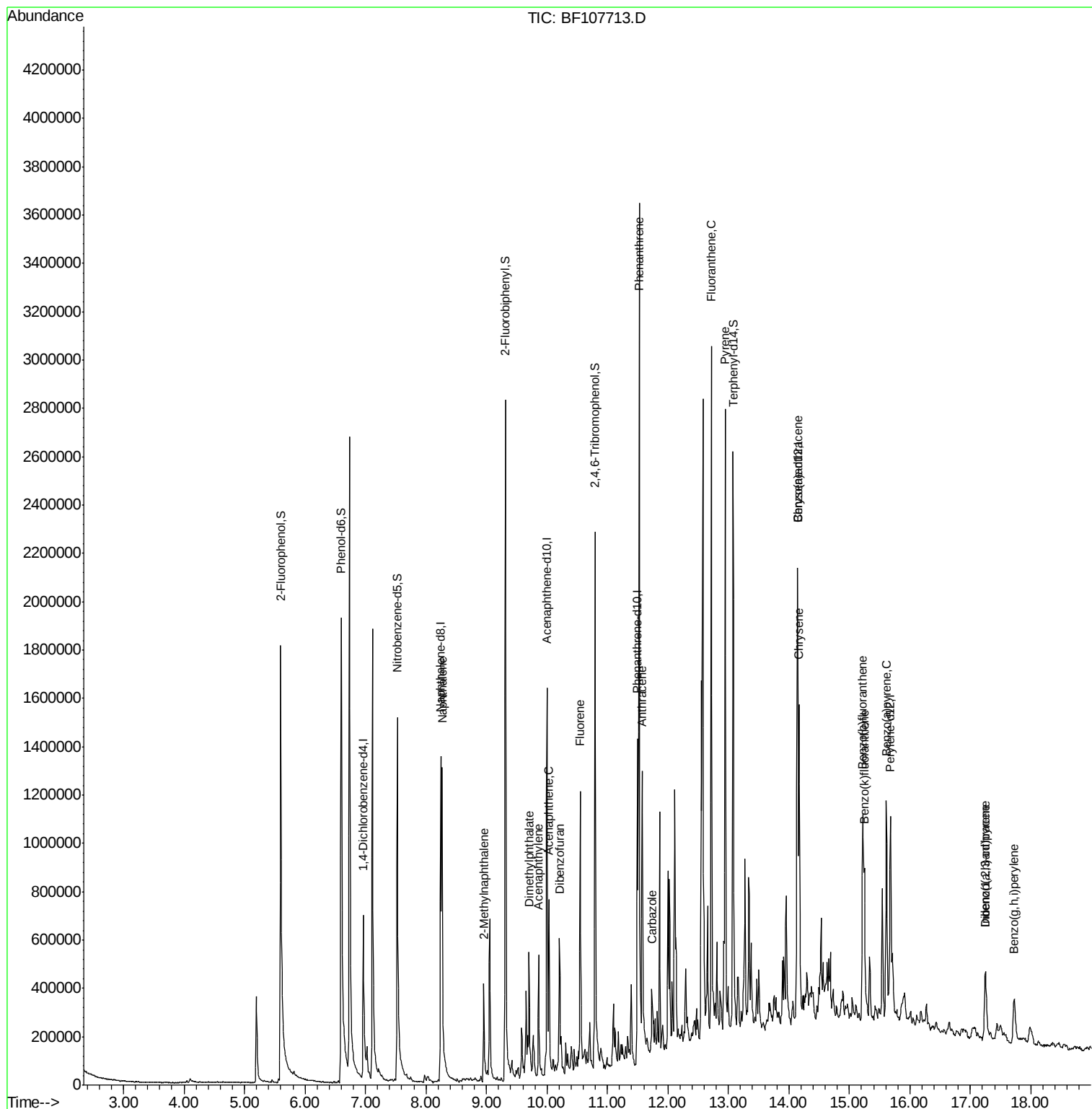
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
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ALS Vial : 17 Sample Multiplier: 1

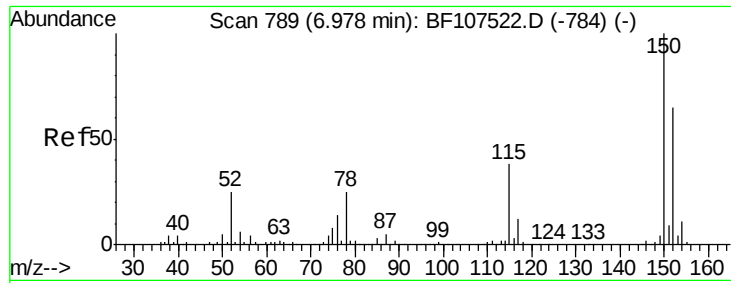
Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

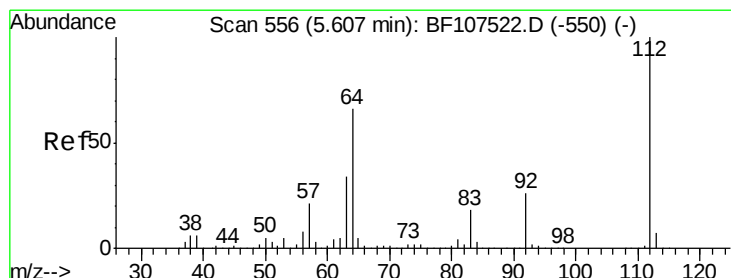
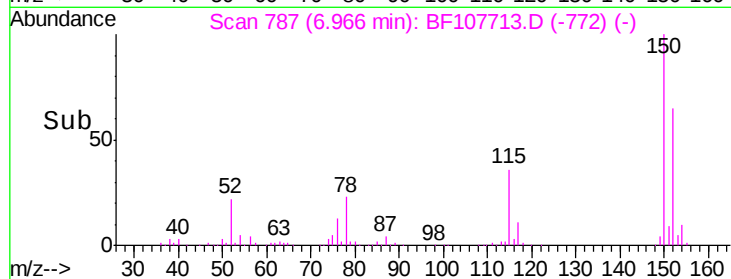
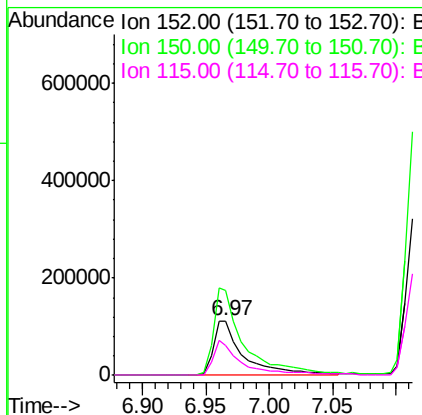
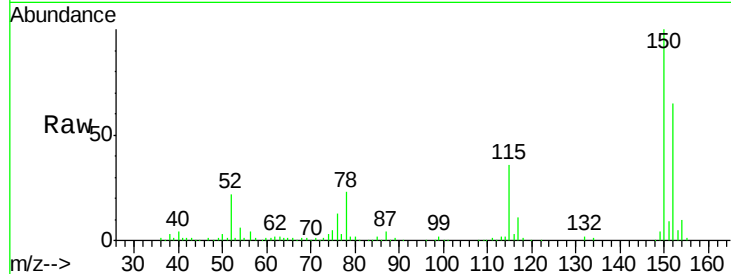
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	55.5	50.1	75.1

Manual Integrations
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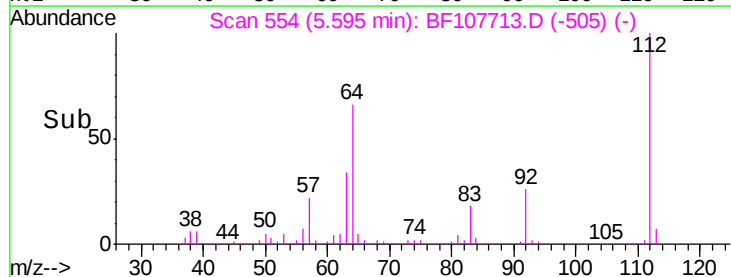
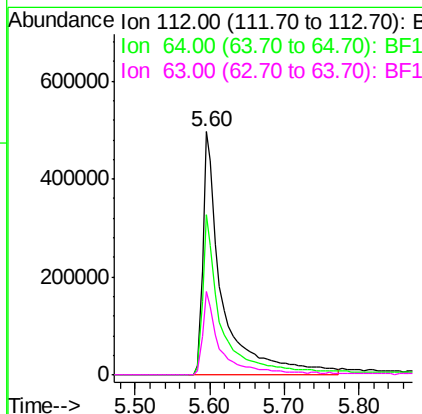
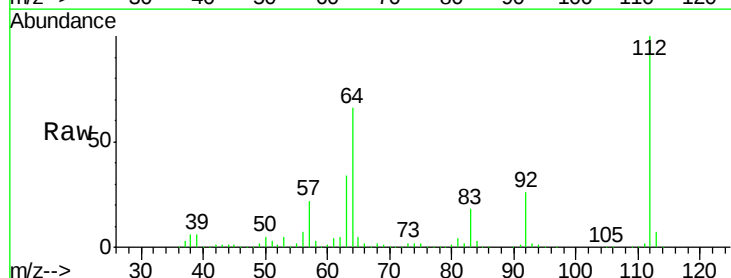
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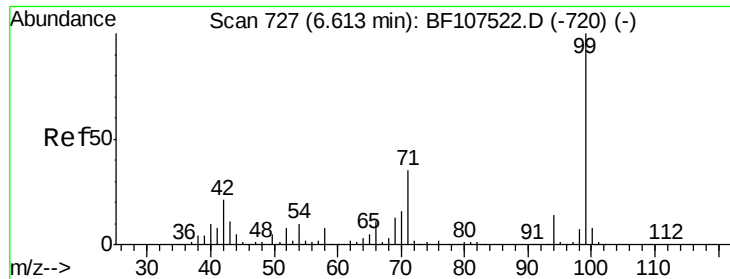


#5

2-Fluorophenol
Concen: 78.026 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 90.976 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Instrument :

BNA_F

ClientSampled :

SB-12(8-10)

Tgt Ion: 99 Resp: 1290949

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

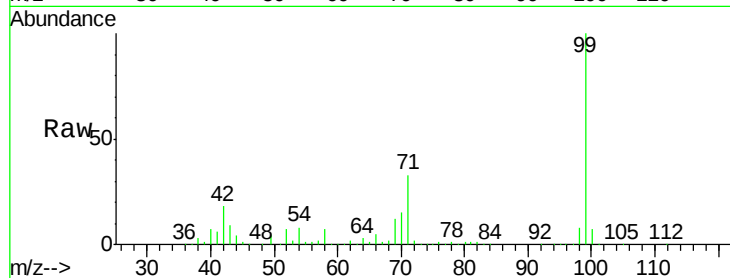
71 33.2 25.4 38.0

Manual Integrations

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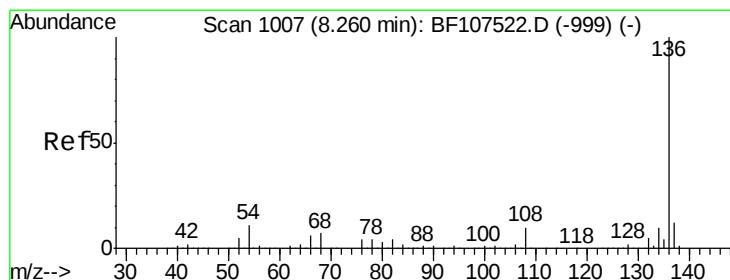
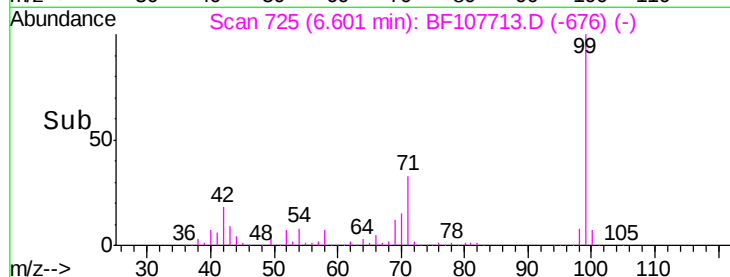
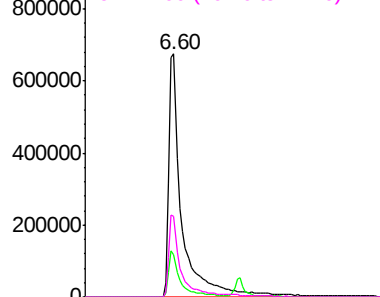
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Tgt Ion: 136 Resp: 795509

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.8 6.6 9.8

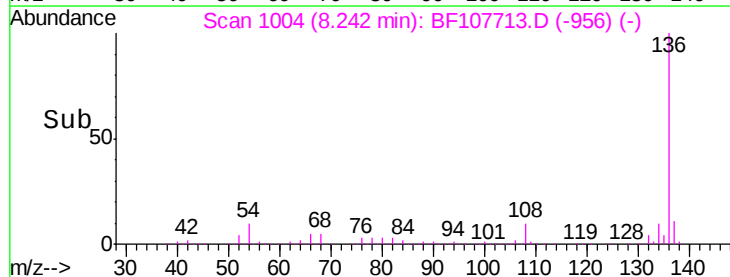
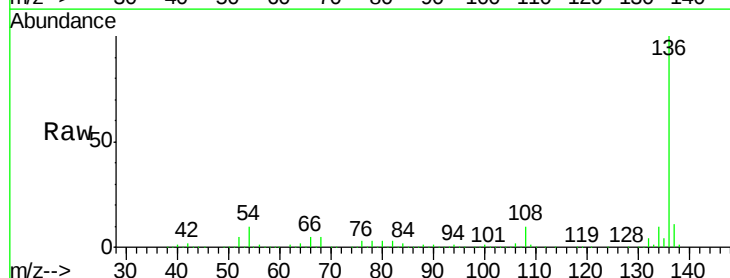
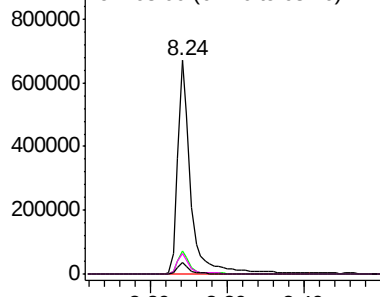
68 5.5 5.0 7.4

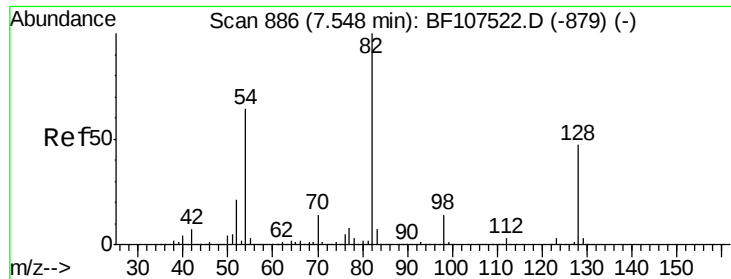
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





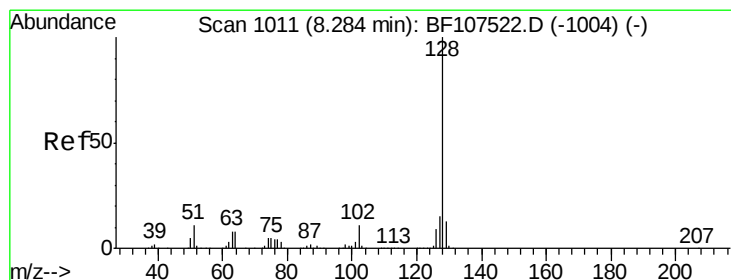
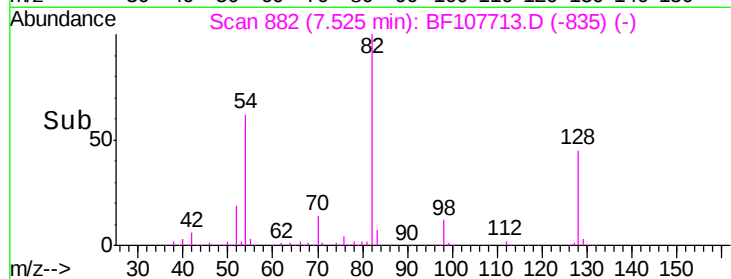
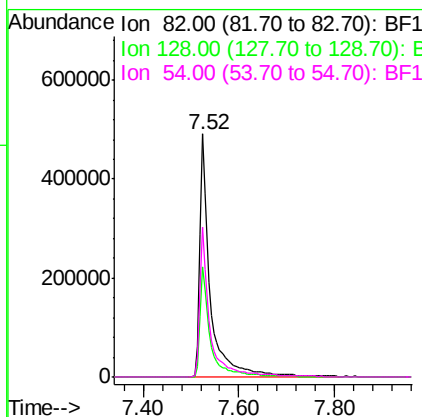
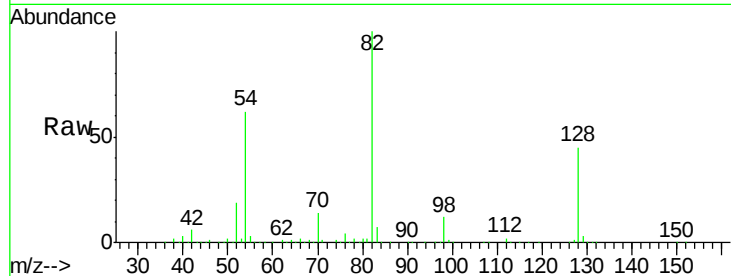
#23
Nitrobenzene-d5
Concen: 65.931 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	61.7	41.4	62.2

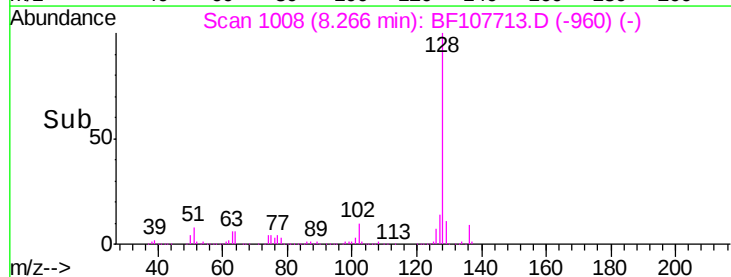
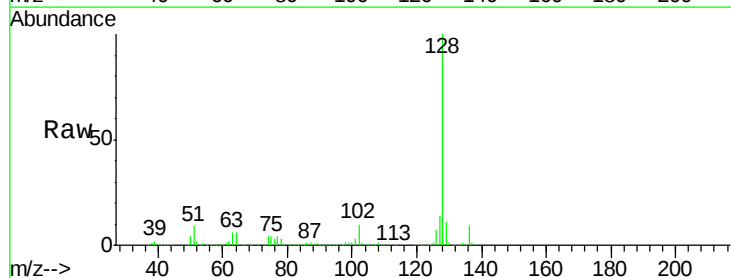
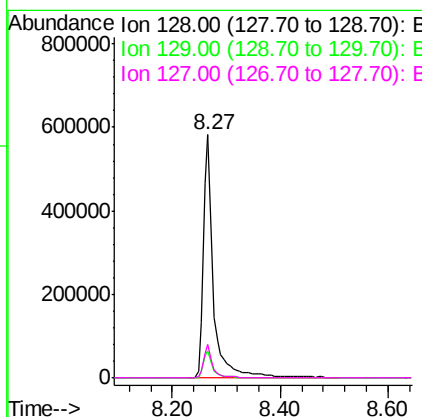
Manual Integrations
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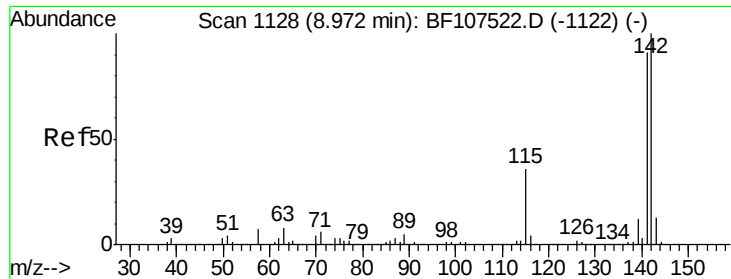
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#31
Naphthalene
Concen: 21.622 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.7	10.9	16.3





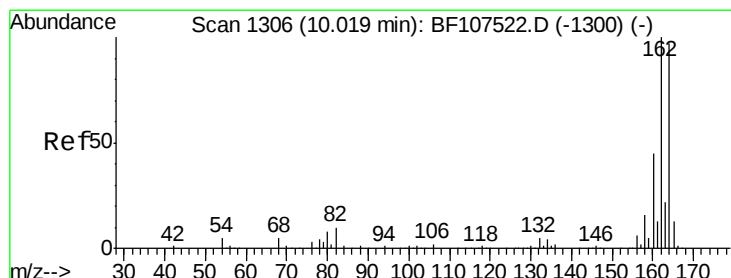
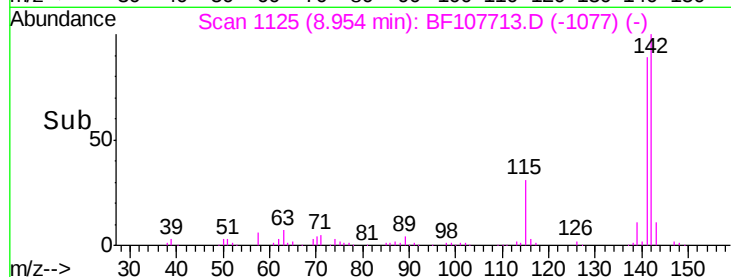
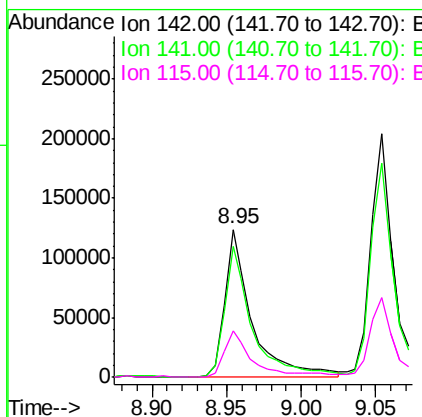
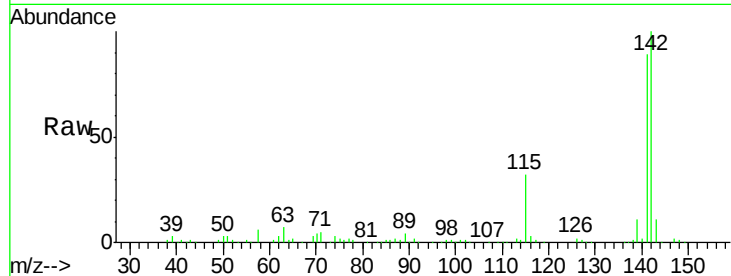
#37
2-Methylnaphthalene
Concen: 6.604 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampled :
SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	31.8	26.1	39.1

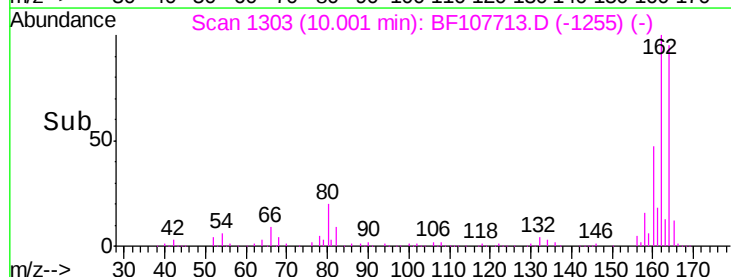
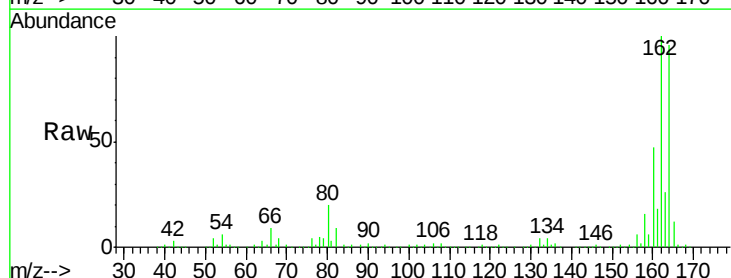
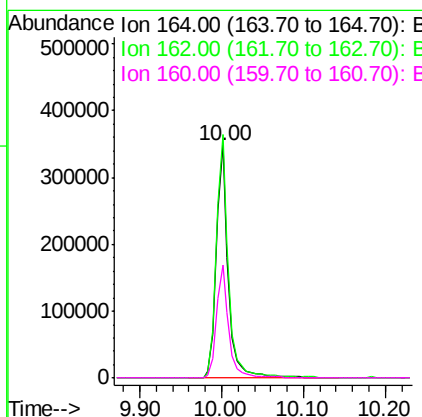
Manual Integrations
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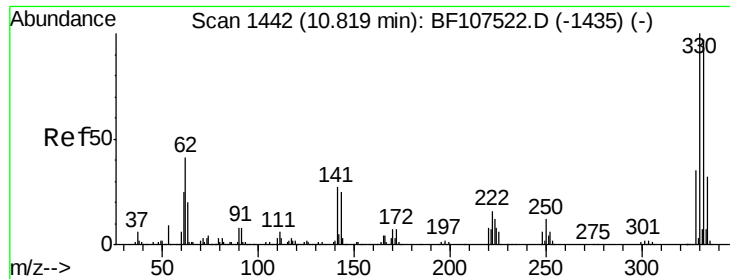
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	48.6	38.3	57.5





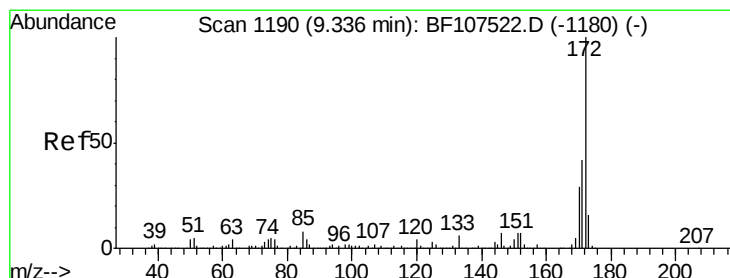
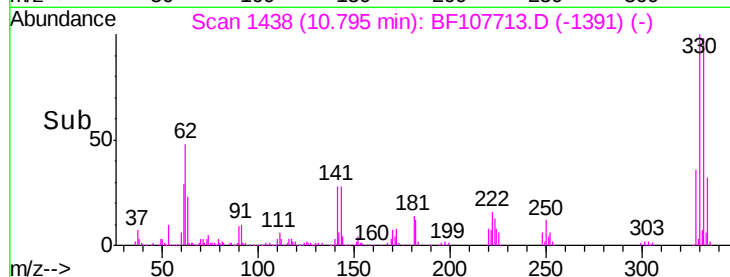
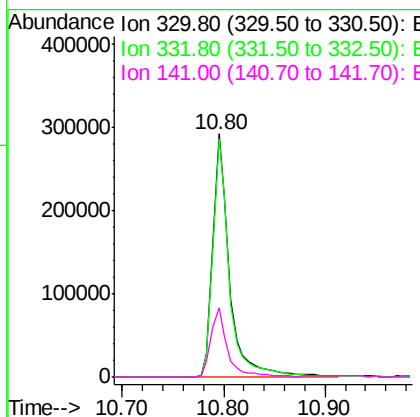
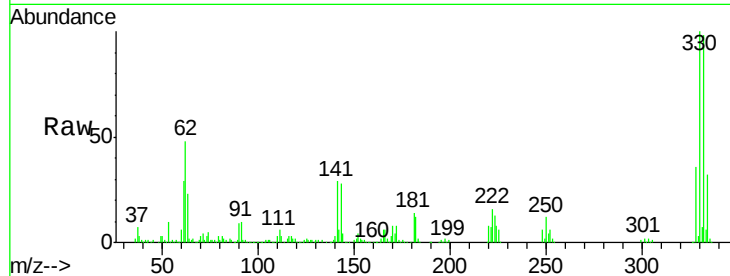
#41
 2,4,6-Tribromophenol
 Concen: 83.131 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	340023		
332	98.3	77.0	115.6	
141	28.1	29.9	44.9#	

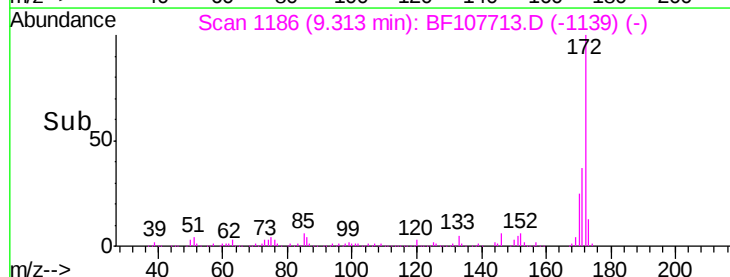
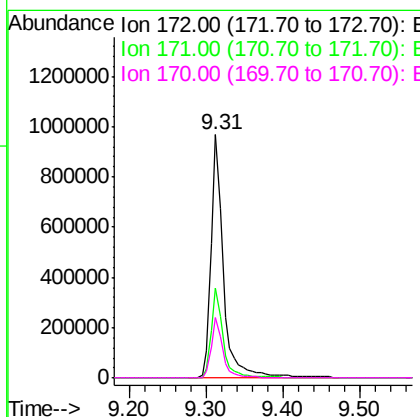
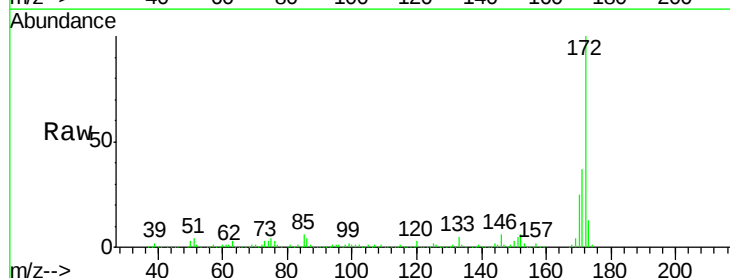
Manual Integrations
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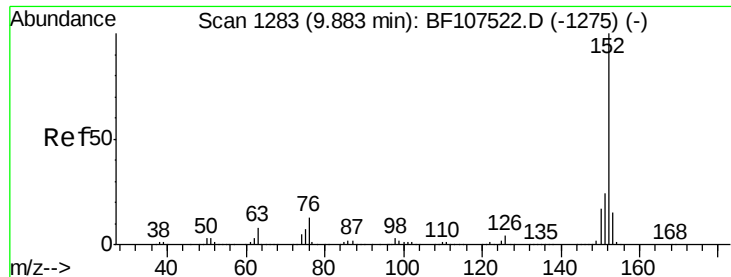
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#44
 2-Fluorobiphenyl
 Concen: 44.542 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1082573		
171	36.9	29.7	44.5	
170	24.8	19.6	29.4	





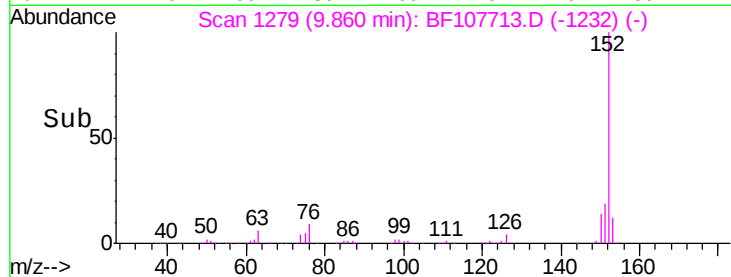
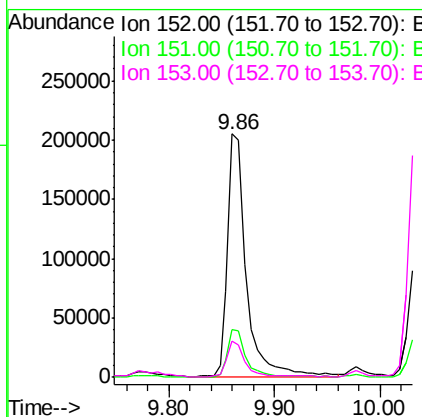
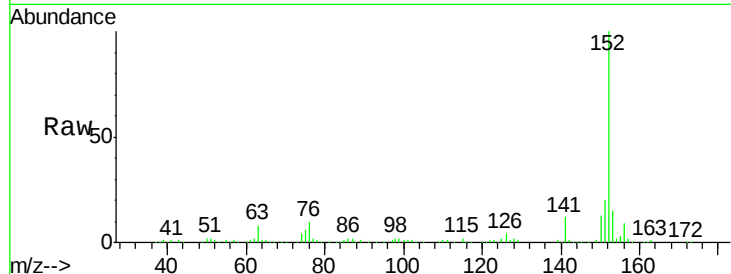
#48
Acenaphthylene
Concen: 7.011 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampled :
SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	252228		
151	19.9	16.3	24.5	
153	15.0	10.7	16.1	

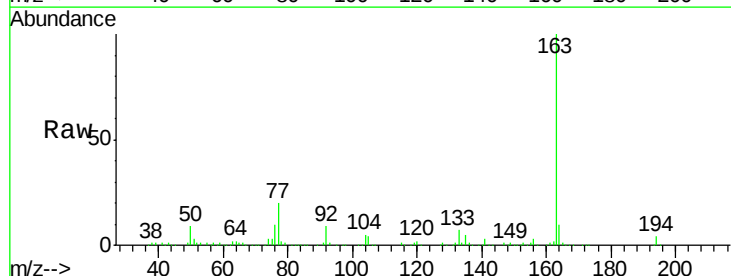
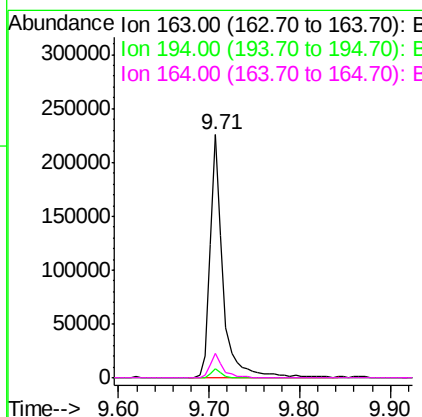
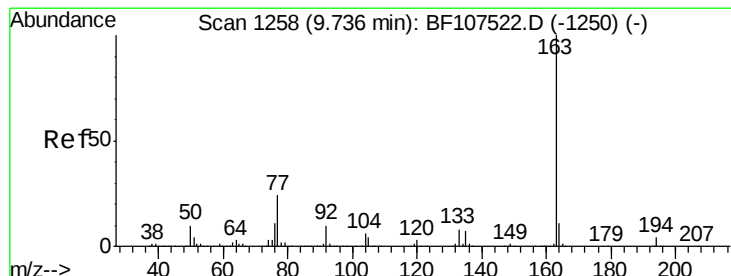
Manual Integrations
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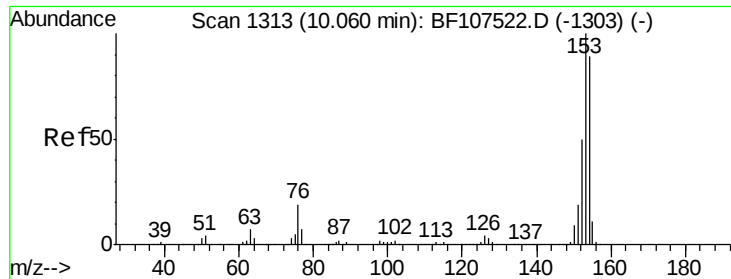
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#49
Dimethylphthalate
Concen: 8.371 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	226912		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	





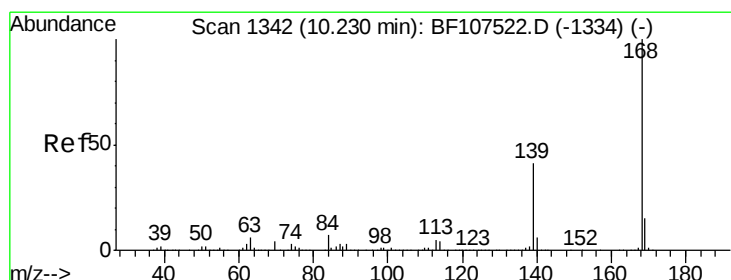
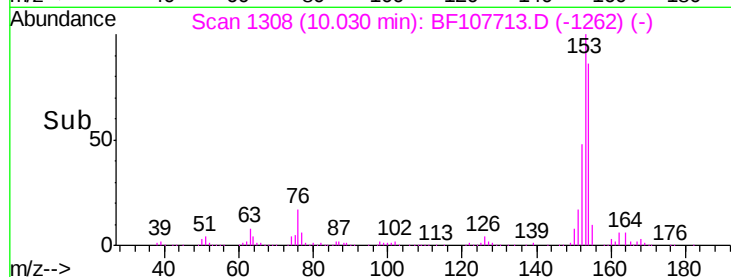
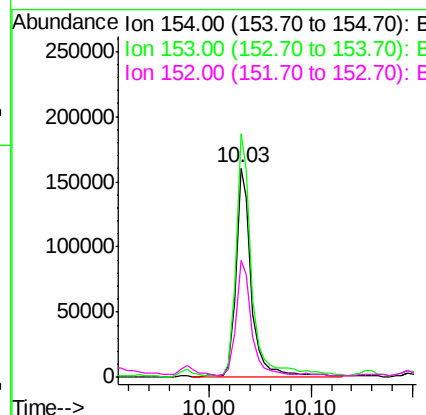
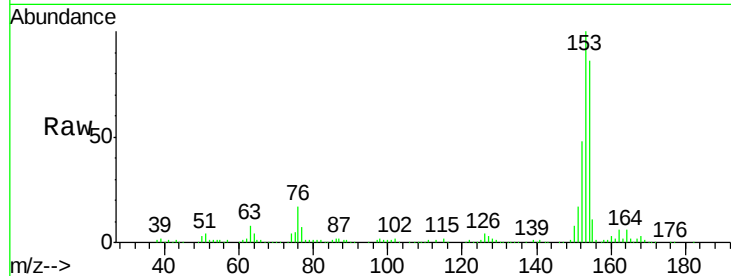
#51
Acenaphthene
Concen: 7.514 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	169382		
153	116.3	91.2	136.8	
152	55.7	43.8	65.8	

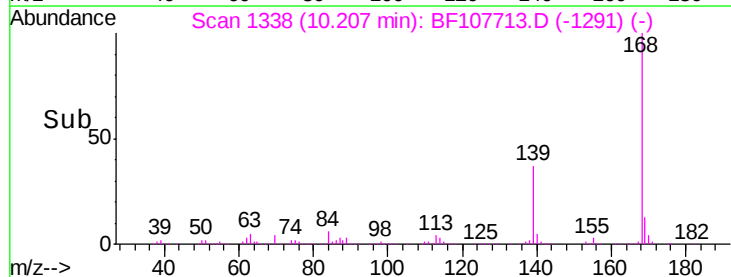
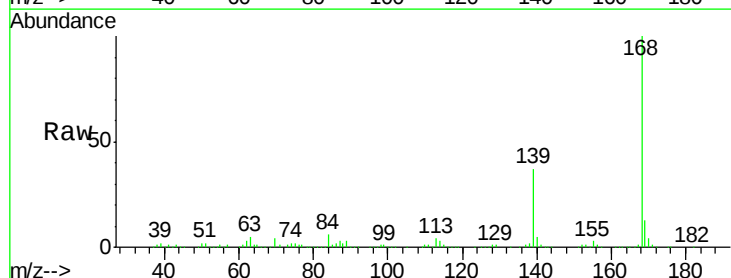
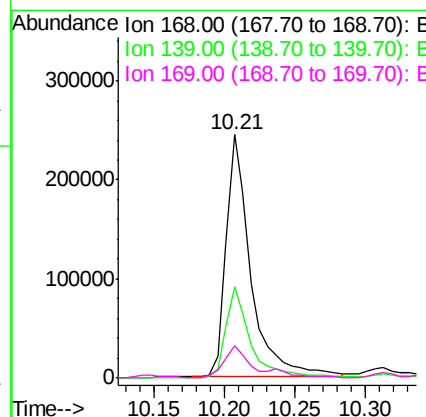
Manual Integrations
APPROVED

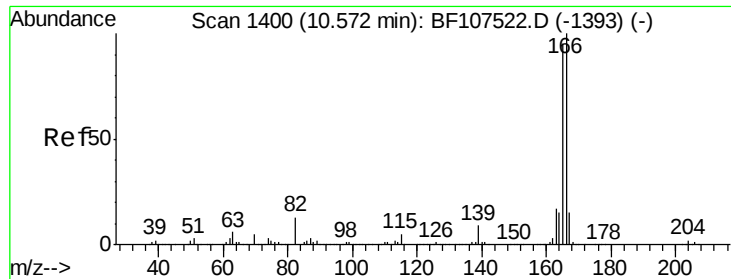
Sohil
7/27/2018 2:54:02 PM



#54
Dibenzofuran
Concen: 8.981 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	298042		
139	37.5	30.1	45.1	
169	13.4	10.9	16.3	





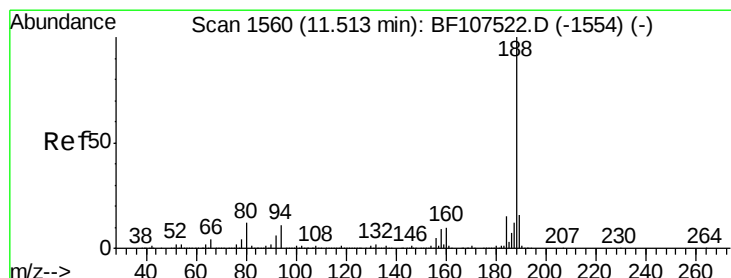
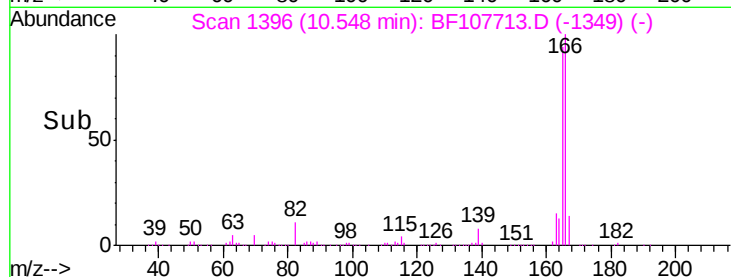
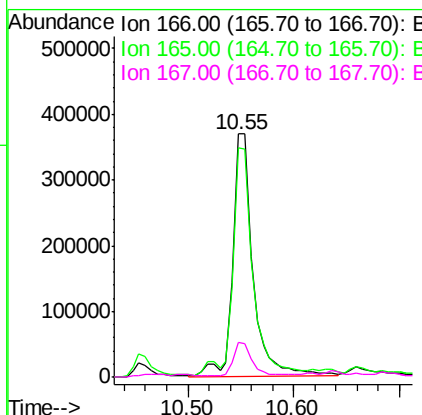
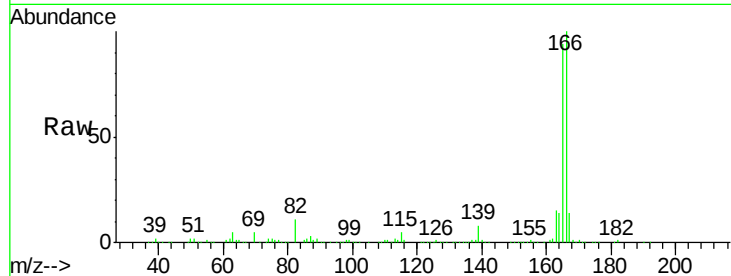
#57
 Fluorene
 Concen: 20.468 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.4	79.8	119.8
167	14.5	10.6	16.0

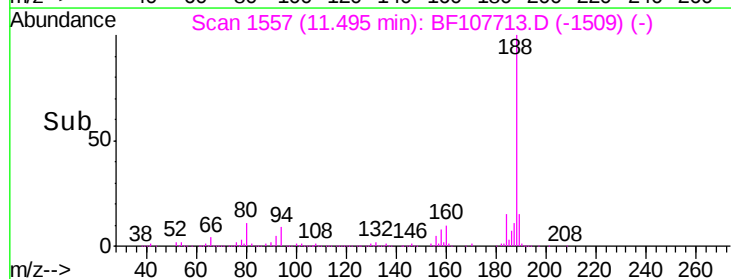
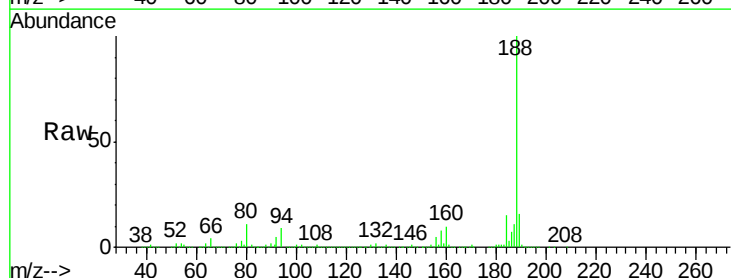
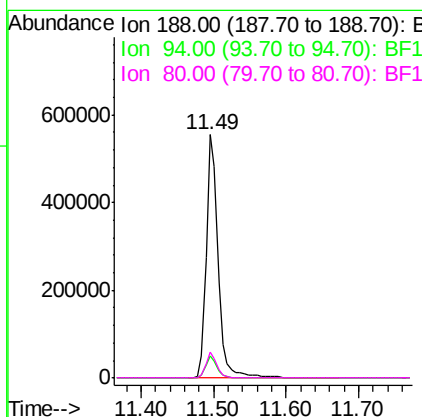
Manual Integrations
 APPROVED

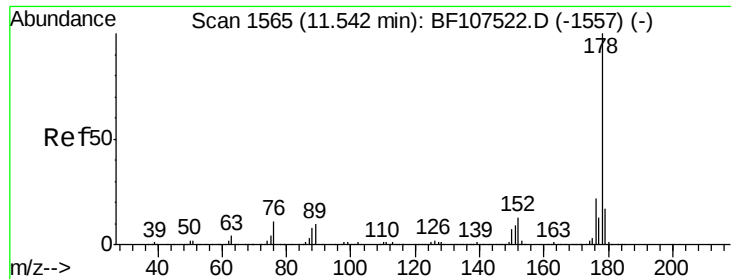
Sohil
 7/27/2018 2:54:02 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.6	9.2	13.8





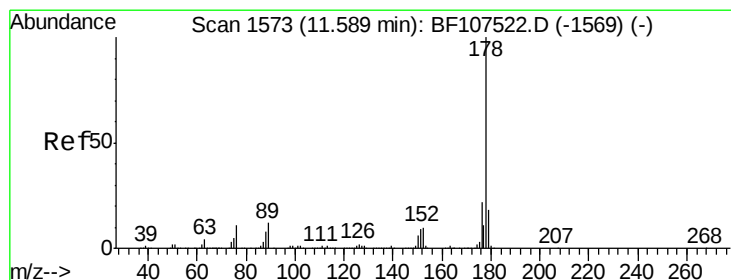
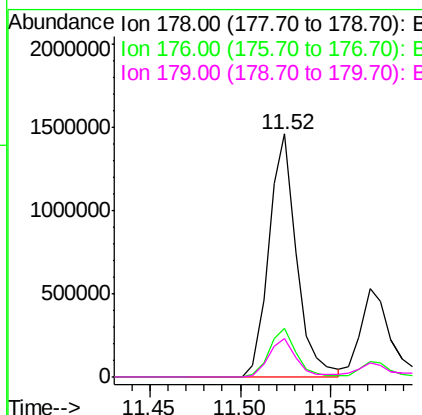
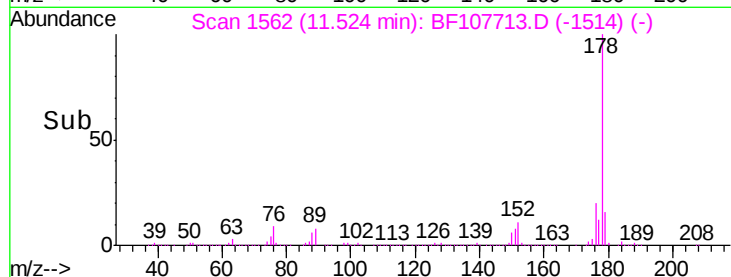
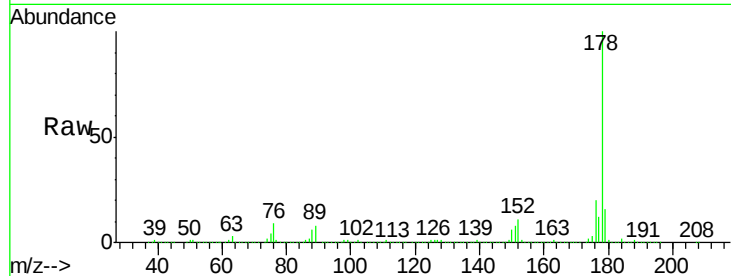
#70
Phenanthrene
Concen: 50.042 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion:178 Resp: 1549860
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.7 13.0 19.6

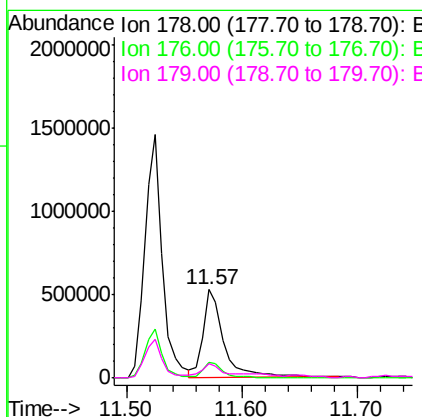
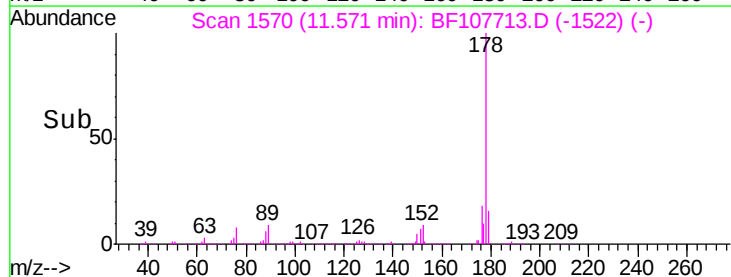
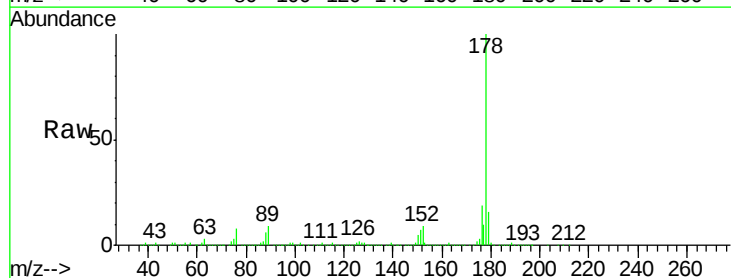
Manual Integrations
APPROVED

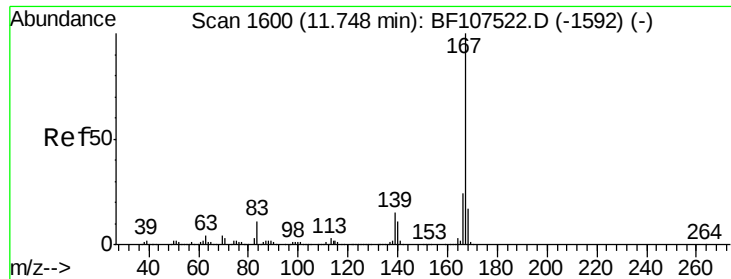
Sohil
7/27/2018 2:54:02 PM



#71
Anthracene
Concen: 21.363 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion:178 Resp: 666168
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 16.1 12.6 19.0





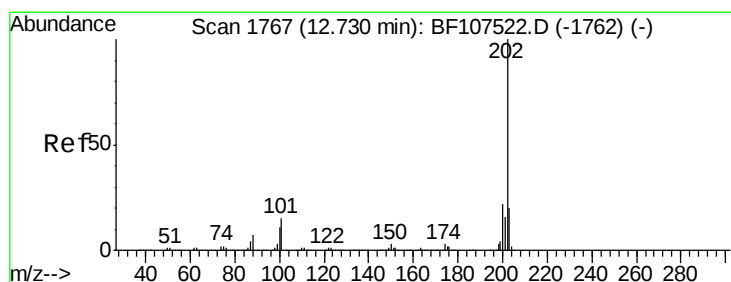
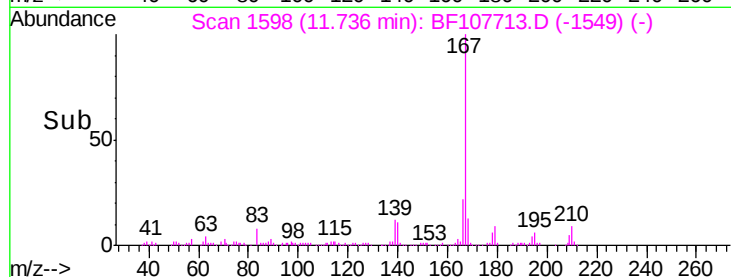
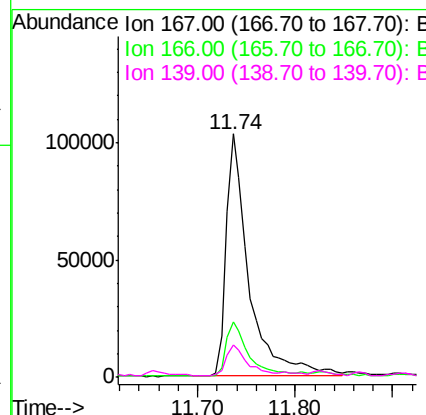
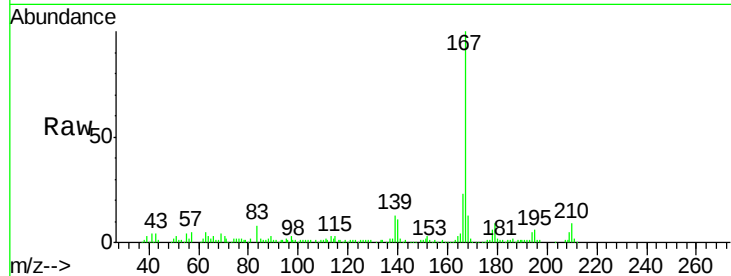
#72
 Carbazole
 Concen: 5.206 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	168826		
166	22.6	17.6	26.4	
139	13.4	10.9	16.3	

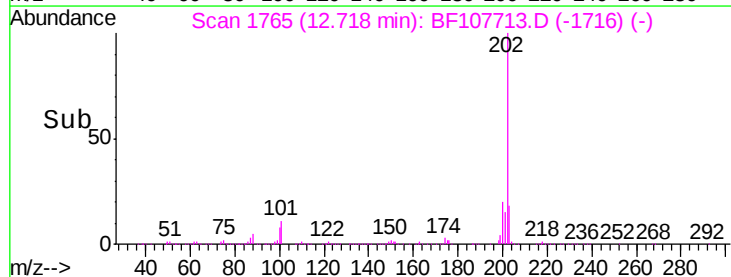
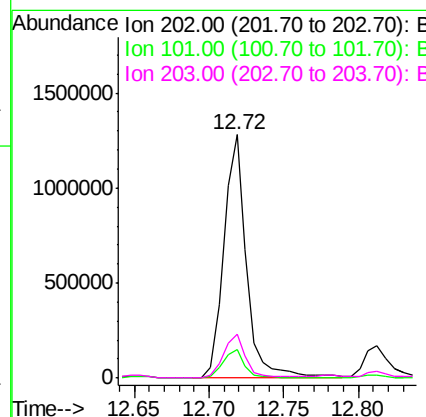
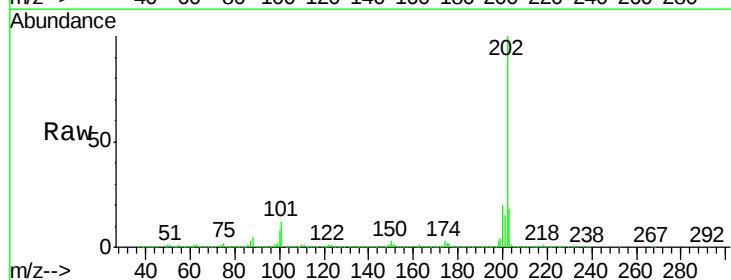
Manual Integrations
 APPROVED

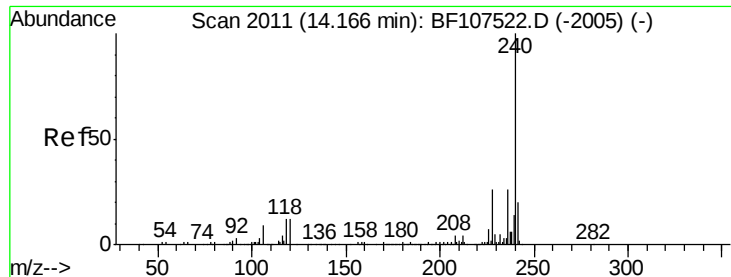
Sohil
 7/27/2018 2:54:02 PM



#74
 Fluoranthene
 Concen: 41.133 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1367030		
101	11.5	0.0	34.1	
203	18.2	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Instrument :

BNA_F

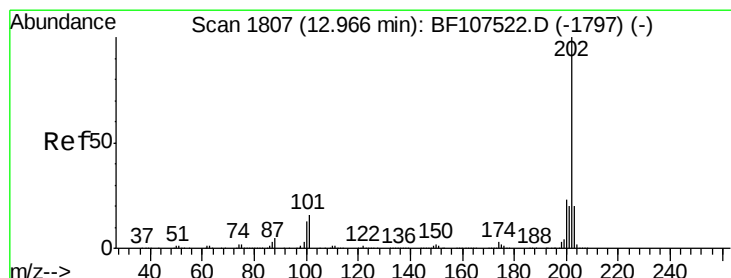
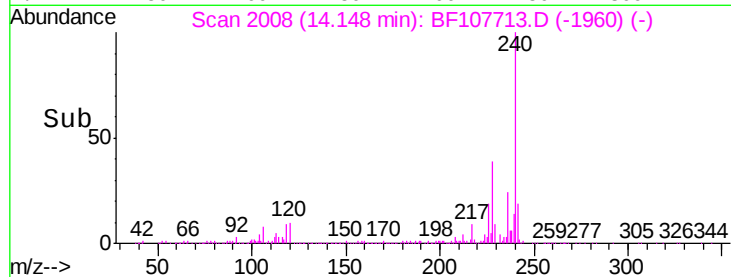
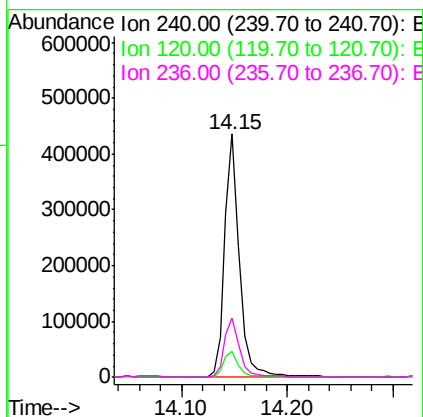
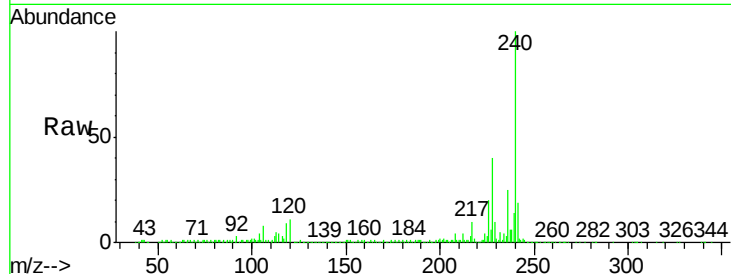
ClientSampleId :

SB-12(8-10)

Tgt Ion:	240	Resp:	425461
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.5	14.3
236	24.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 40.811 ng

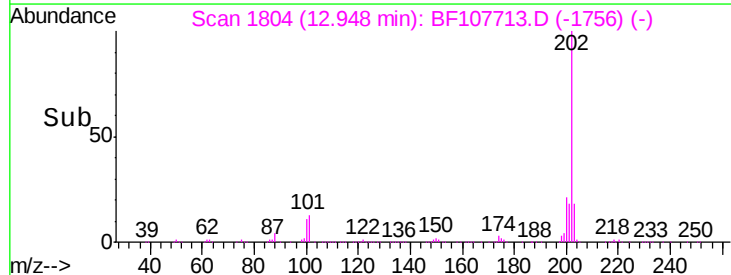
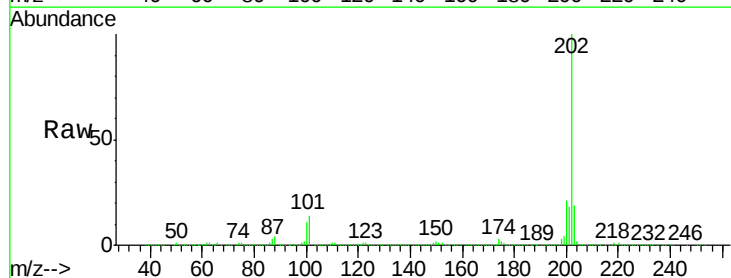
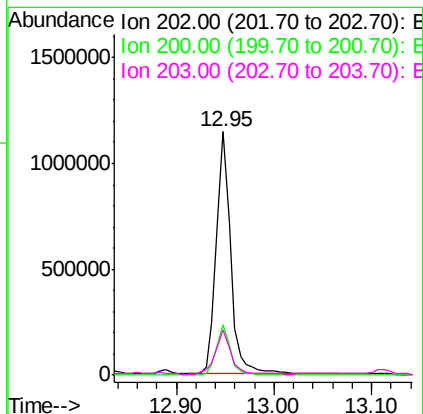
RT: 12.95 min Scan# 1804

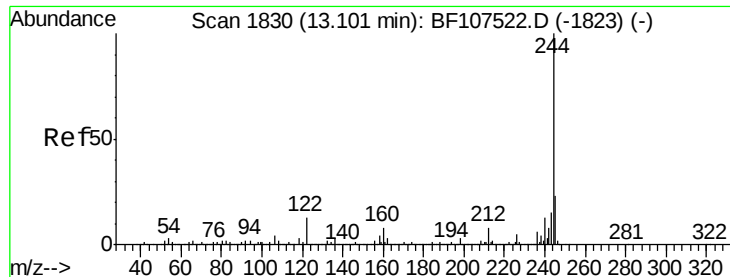
Delta R.T. -0.02 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Tgt Ion:	202	Resp:	1187690
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.5	14.3	21.5





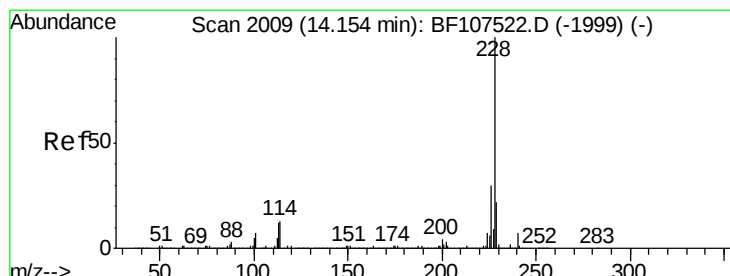
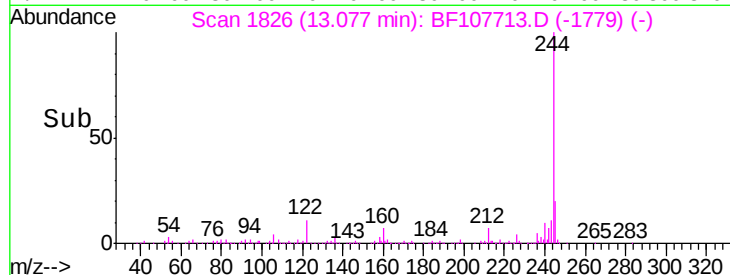
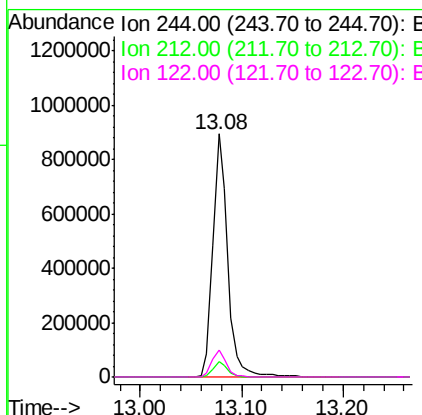
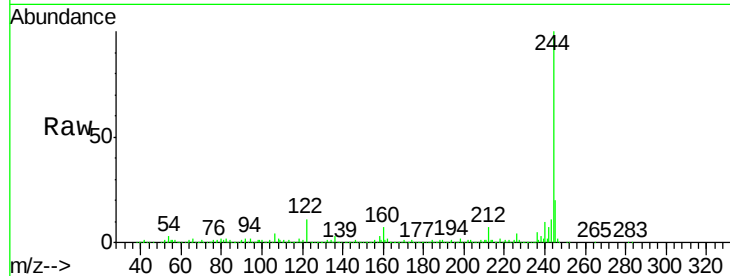
#78
 Terphenyl-d14
 Concen: 55.494 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4

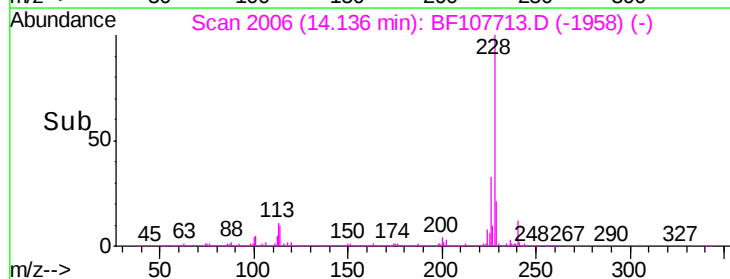
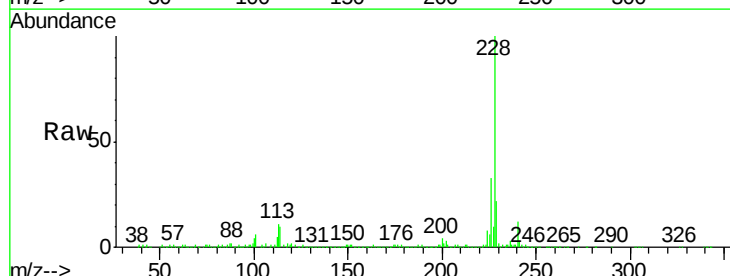
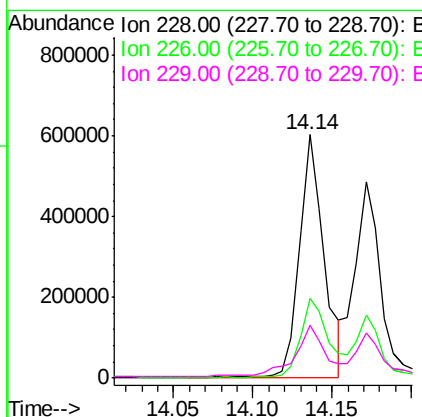
Manual Integrations
 APPROVED

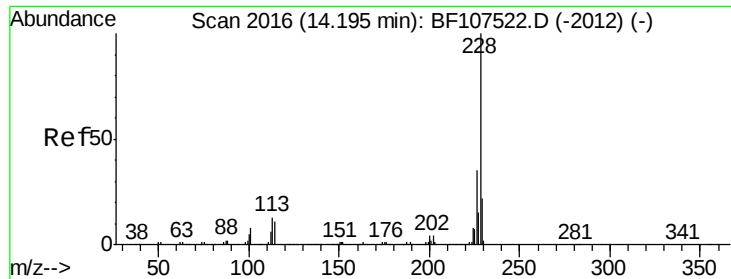
Sohil
 7/27/2018 2:54:02 PM



#80
 Benzo(a)anthracene
 Concen: 25.877 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107713.D
 Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	21.8	15.8	23.6





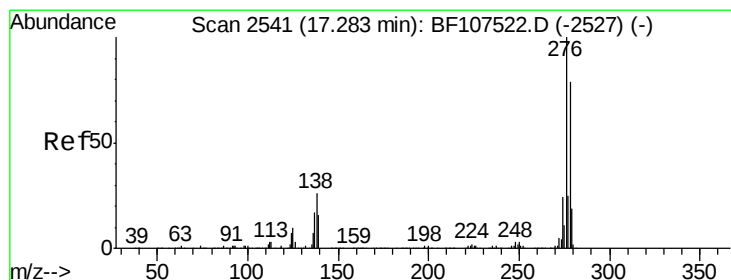
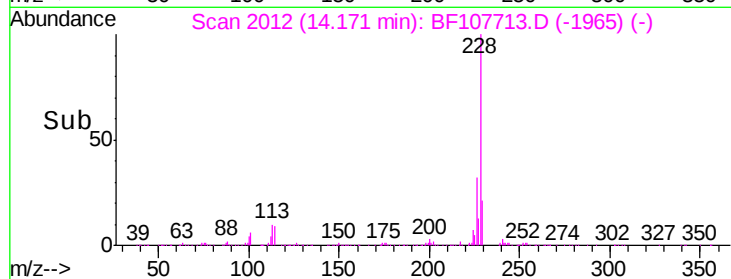
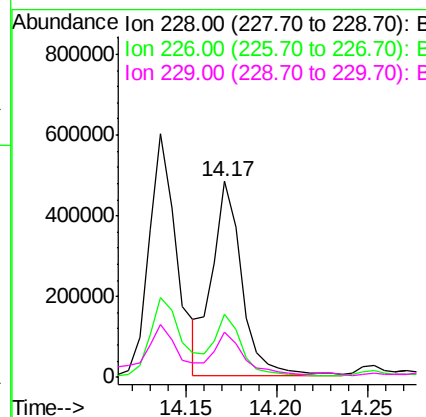
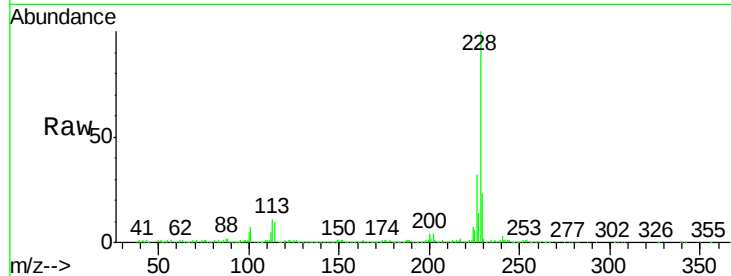
#82
Chrysene
Concen: 23.230 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	556371		
226	32.5	25.0	37.6	
229	22.9	16.2	24.4	

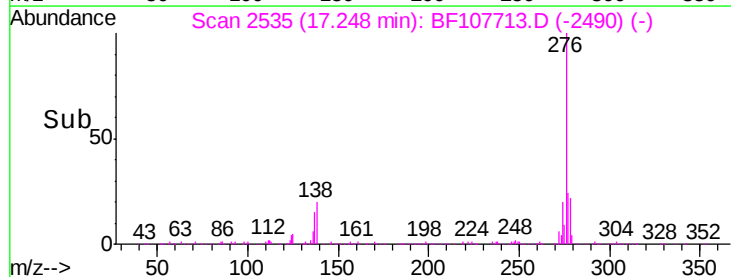
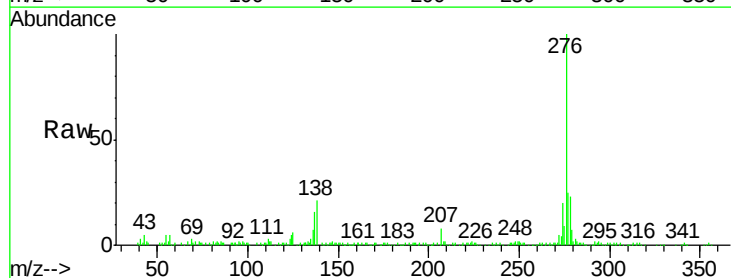
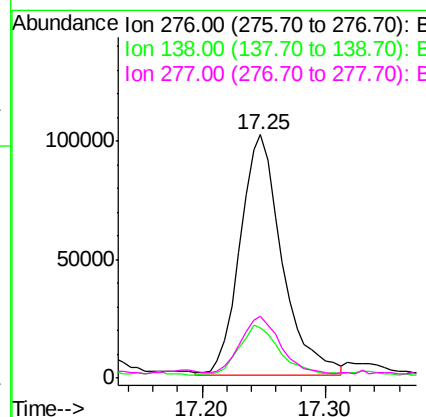
Manual Integrations
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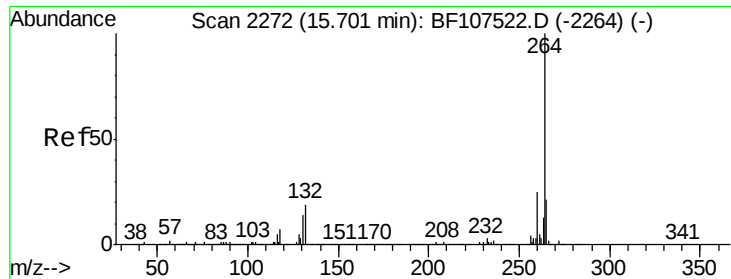
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.740 ng m
RT: 17.25 min Scan# 2535
Delta R.T. -0.04 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	238308		
138	4.8	25.0	37.6#	
277	4.5	20.1	30.1#	





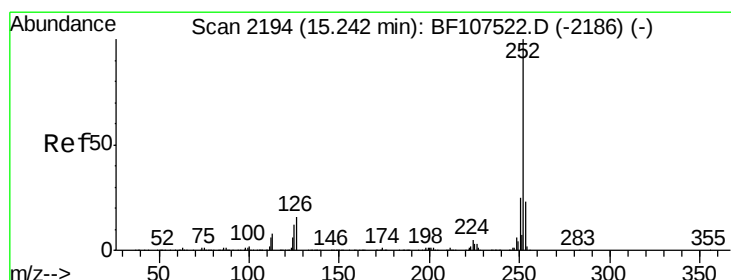
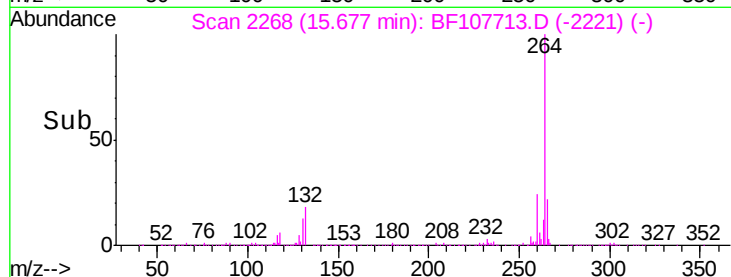
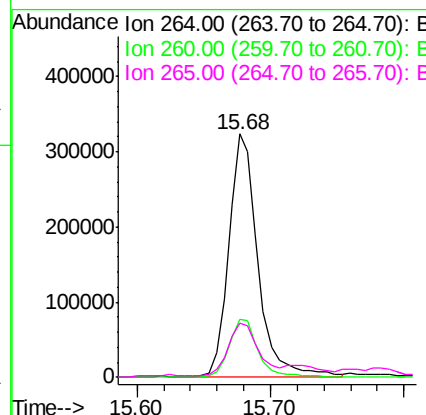
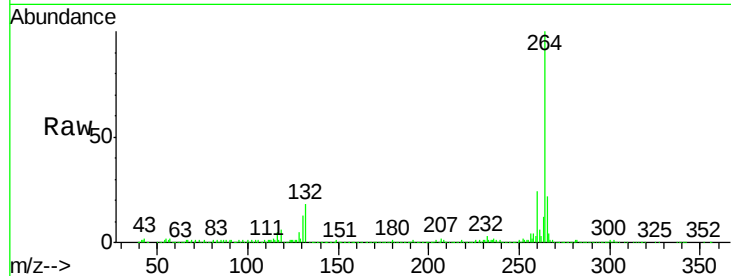
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	490301		
260	24.0	19.2	28.8	
265	22.2	17.5	26.3	

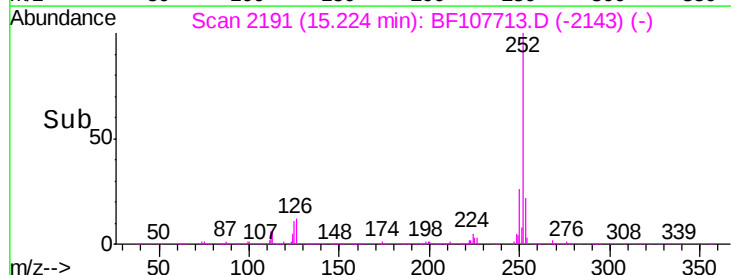
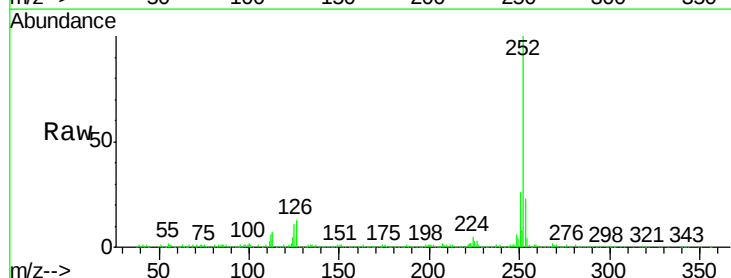
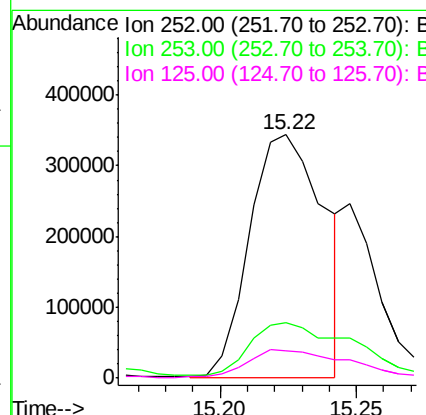
Manual Integrations
APPROVED

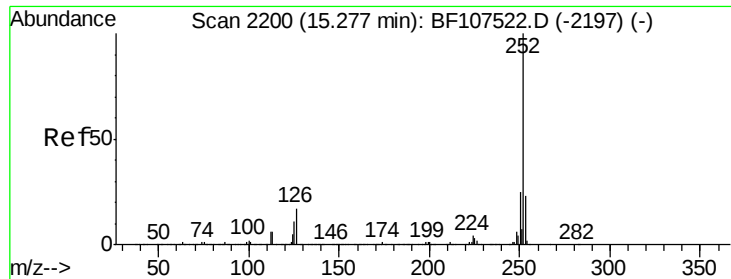
Sohil
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#87
Benzo(b)fluoranthene
Concen: 24.400 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	654732		
253	22.9	17.0	25.6	
125	11.2	9.0	13.6	





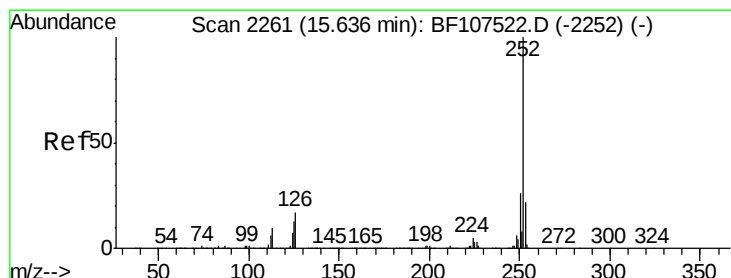
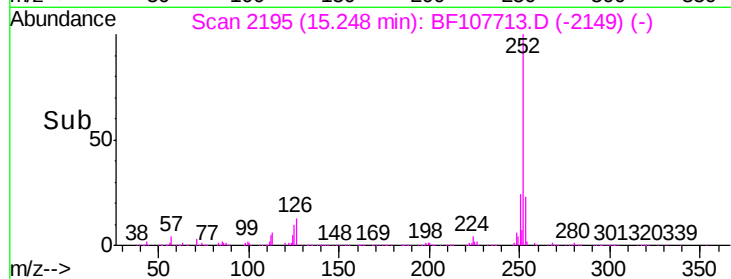
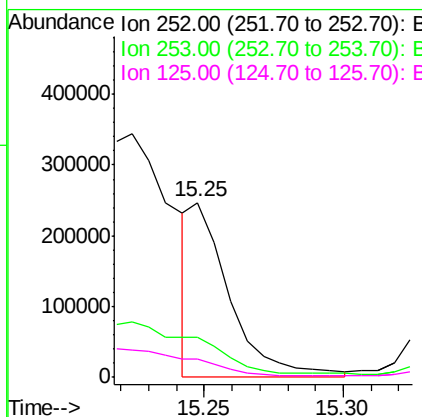
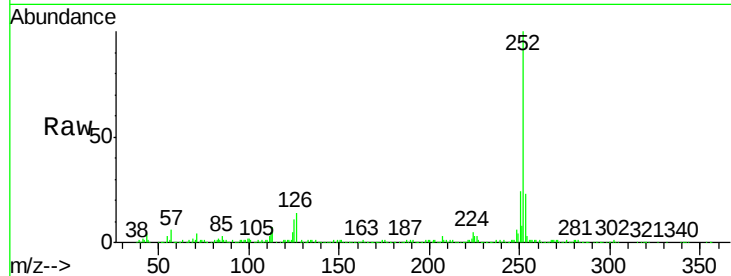
#88
Benzo(k)fluoranthene
Concen: 9.246 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.6	10.2	15.2

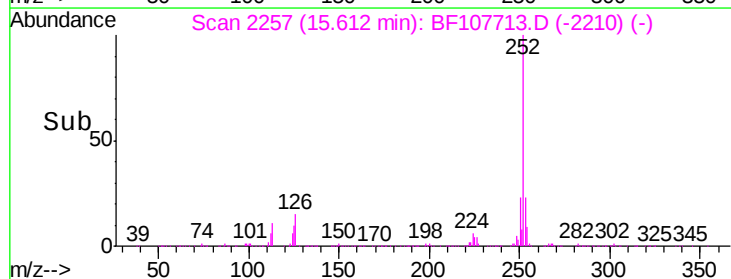
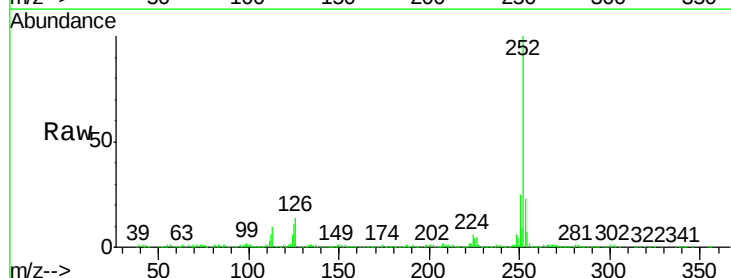
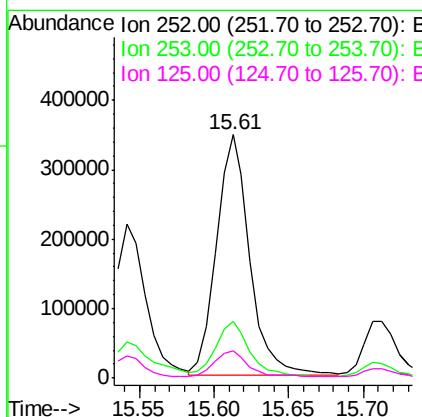
Manual Integrations
APPROVED

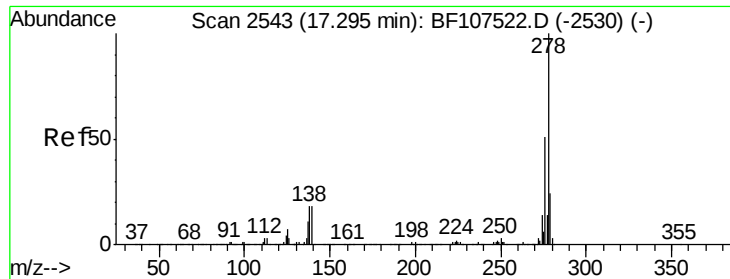
Sohil
7/27/2018 2:54:02 PM



#89
Benzo(a)pyrene
Concen: 22.208 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107713.D
Acq: 26 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.298 ng m

RT: 17.25 min Scan# 2536

Delta R.T. -0.04 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Instrument :

BNA_F

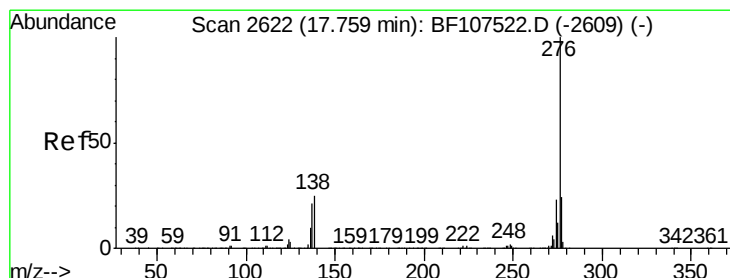
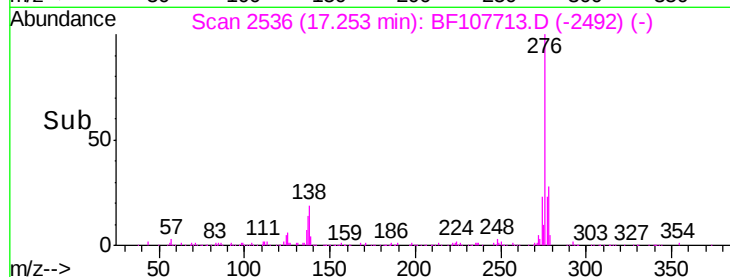
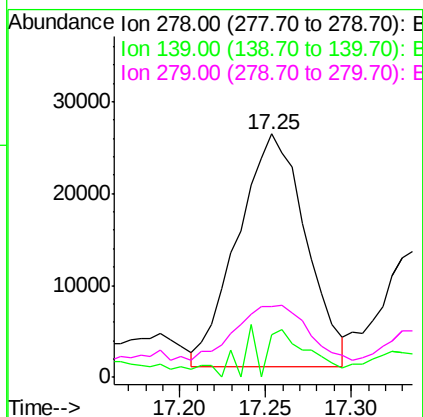
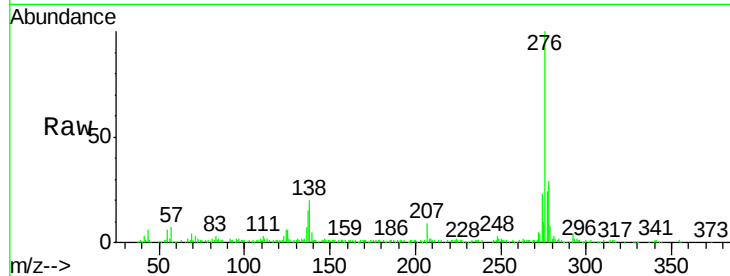
ClientSampleId :

SB-12(8-10)

Tgt Ion:	278	Resp:	69981
Ion Ratio	Lower	Upper	
278	100		
139	17.3	15.9	23.9
279	29.3	19.0	28.4#

Manual Integrations
APPROVED

Sohil
7/27/2018 2:54:02 PM



#91

Benzo(g,h,i)perylene

Concen: 10.045 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF107713.D

Acq: 26 Jul 2018 21:21

Tgt Ion:	276	Resp:	210239
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.9	26.9
138	22.7	21.8	32.8

