

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107483.D
 Acq On : 18 Jul 2018 17:46
 Operator : JU/SJ
 Sample : J4016-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB2-L-12-7

Manual Integrations
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Sohil
 7/19/2018 11:49:42 AM

Quant Time: Jul 18 19:02:18 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	137848	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	486497	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	255844	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	462406	20.00	ng	0.00
75) Chrysene-d12	14.17	240	308922	20.00	ng	0.00
86) Perylene-d12	15.71	264	279289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	797341	87.85	ng	0.00
7) Phenol-d6	6.61	99	1048345	89.34	ng	0.00
23) Nitrobenzene-d5	7.55	82	792857	86.90	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	223071	99.24	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1261221	81.78	ng	0.00
78) Terphenyl-d14	13.11	244	979627	78.79	ng	0.00
Target Compounds						
48) Acenaphthylene	9.89	152	89892	3.687	ng	98
49) Dimethylphthalate	9.73	163	222864	10.964	ng	99
57) Fluorene	10.58	166	35222	2.129	ng	# 90
70) Phenanthrene	11.55	178	716634	31.098	ng	98
71) Anthracene	11.60	178	82366	3.589	ng	96
74) Fluoranthene	12.76	202	1080100	41.238	ng	94
77) Pyrene	12.98	202	729412	34.722	ng	99
80) Benzo(a)anthracene	14.16	228	324883	17.188	ng	98
82) Chrysene	14.20	228	398560	22.074	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	161924	12.599	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	467518m	28.599	ng	
88) Benzo(k)fluoranthene	15.28	252	196022m	12.287	ng	
89) Benzo(a)pyrene	15.65	252	307918	20.522	ng	# 93
90) Dibenzo(a,h)anthracene	17.29	278	35027	3.093	ng	# 81
91) Benzo(a,h,i)perylene	17.77	276	144222	12.534	ng	# 86

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

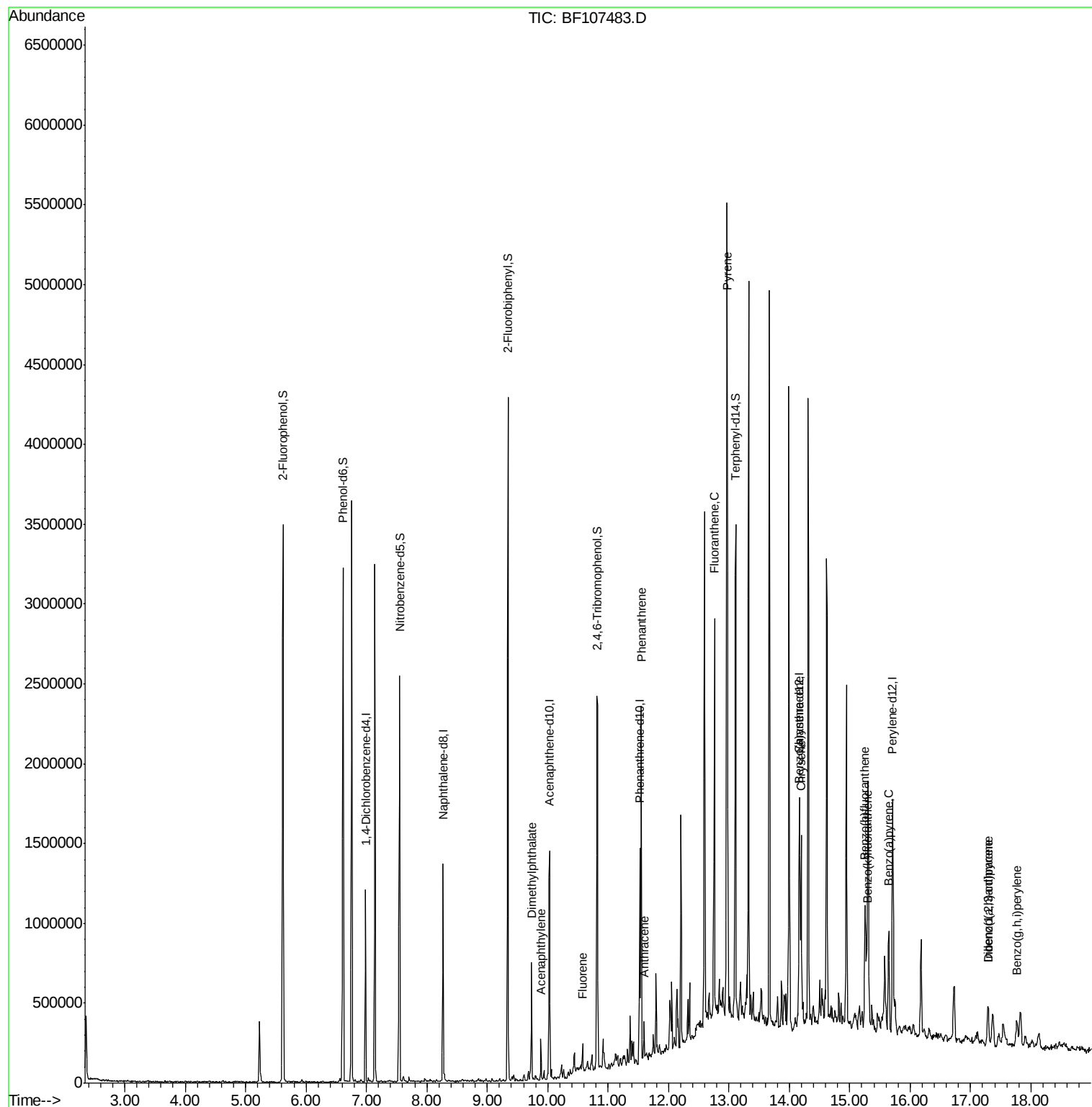
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107483.D
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ALS Vial : 21 Sample Multiplier: 1

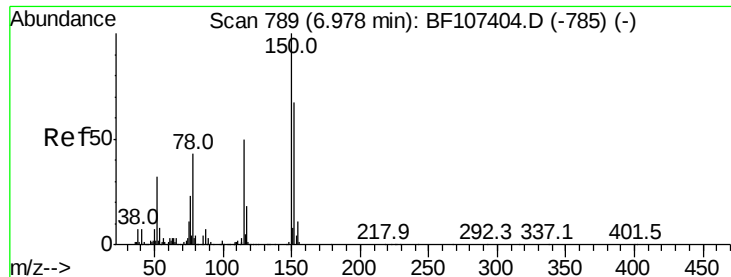
Instrument :
BNA_F
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Quant Time: Jul 18 19:02:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
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#1

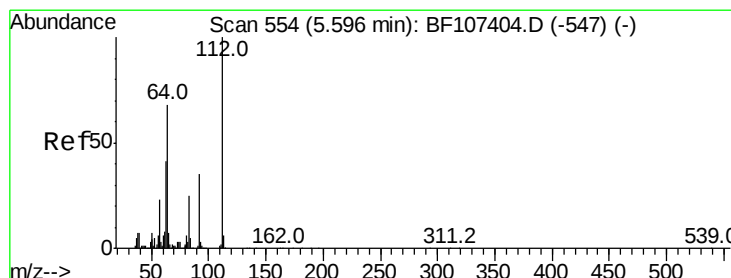
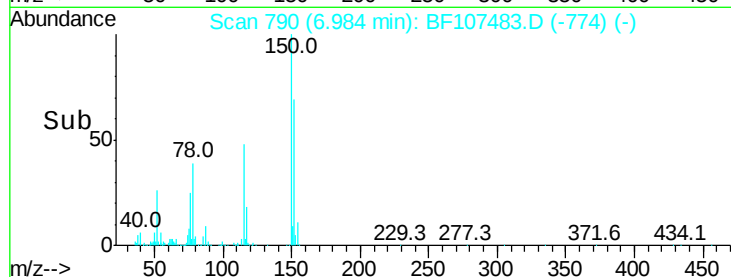
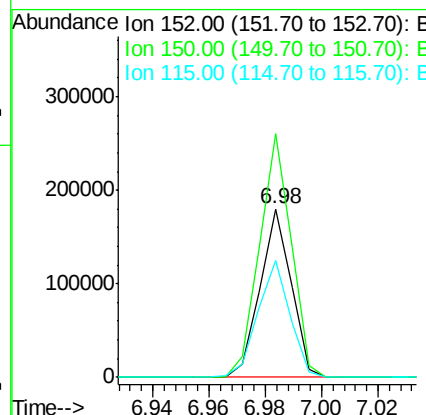
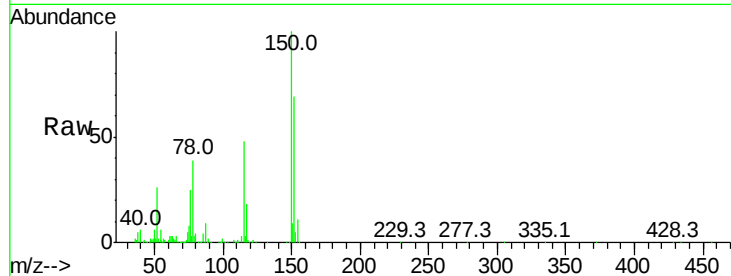
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.7	124.6	186.8
115	69.2	50.1	75.1

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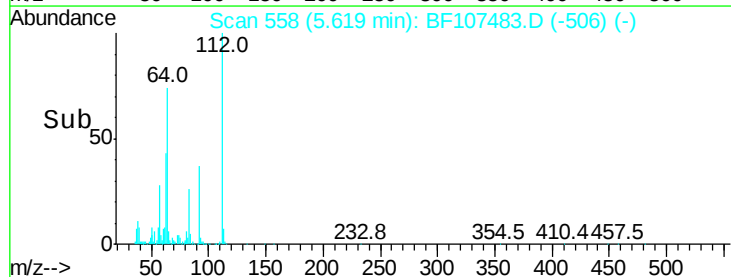
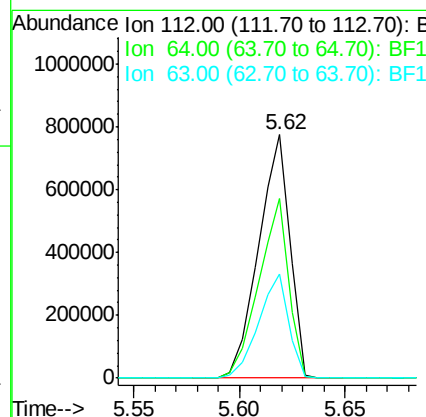
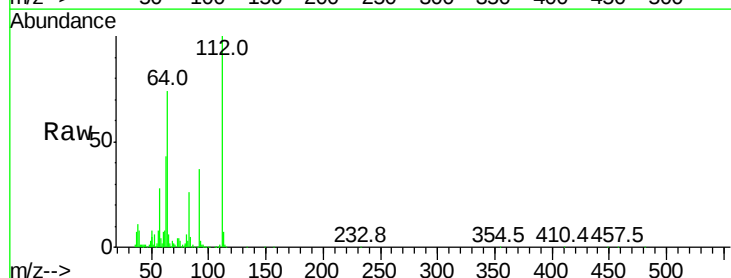
Sohil
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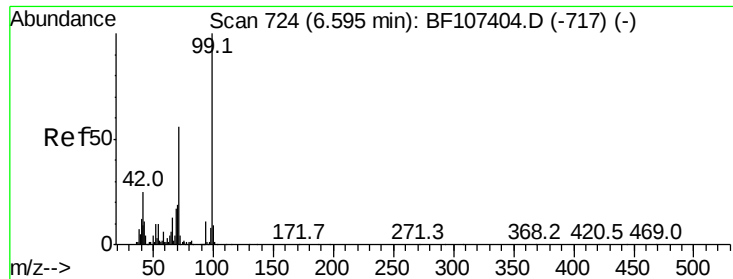


#5

2-Fluorophenol
Concen: 87.847 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	47.9	71.9#
63	42.9	23.7	35.5#





#7

Phenol-d6

Concen: 89.336 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Instrument :

BNA_F

ClientSampleId :

SB2-L-12-7

Tot Ion: 99 Resp: 1048345

Ion Ratio Lower Upper

99 100

42 26.0 14.5 21.7#

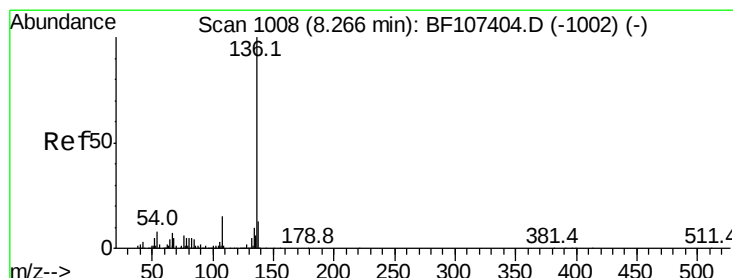
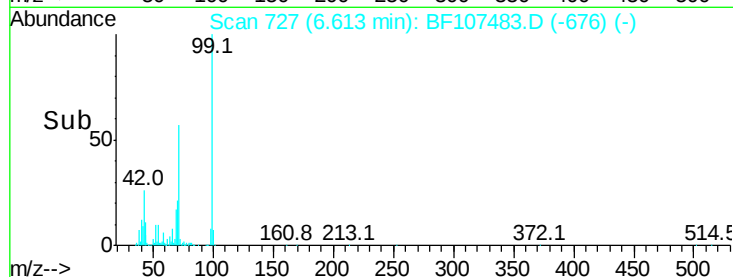
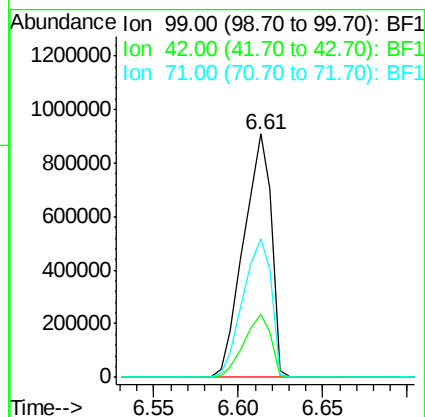
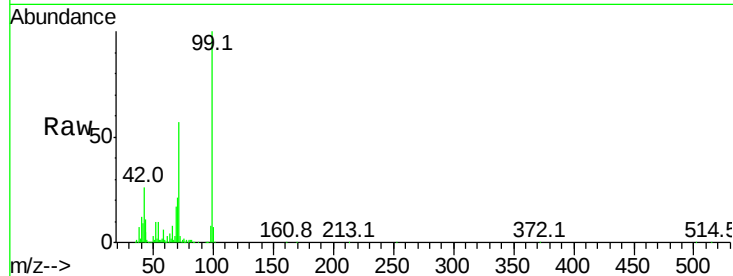
71 57.0 25.4 38.0#

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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: BF107483.D

Acq: 18 Jul 2018 17:46

Tgt Ion: 136 Resp: 486497

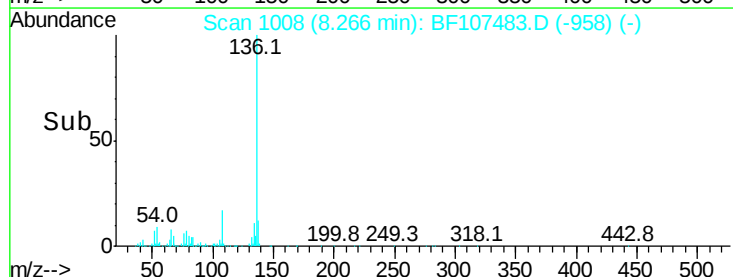
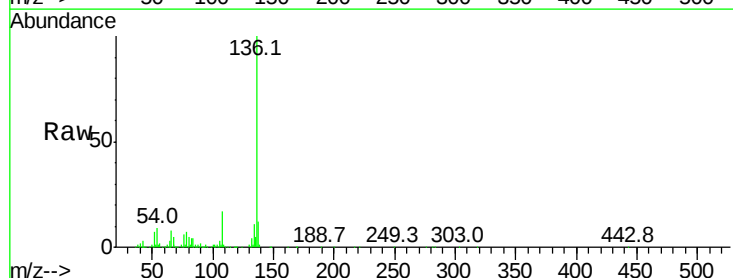
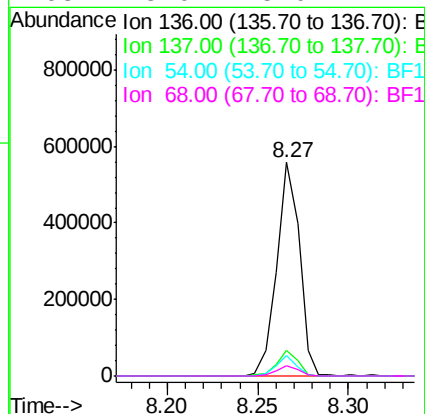
Ion Ratio Lower Upper

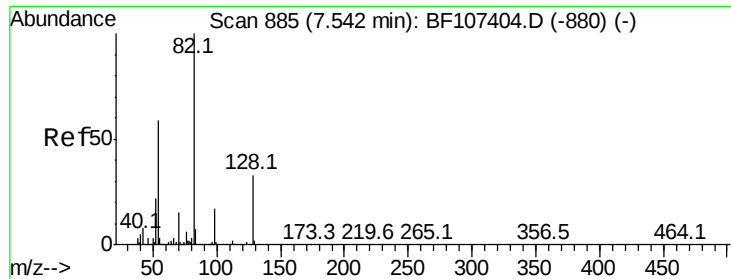
136 100

137 12.1 8.9 13.3

54 9.4 6.6 9.8

68 5.0 5.0 7.4





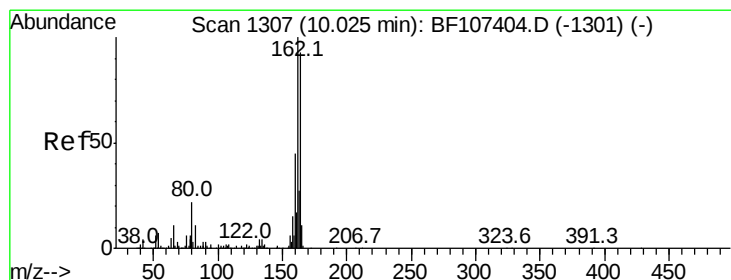
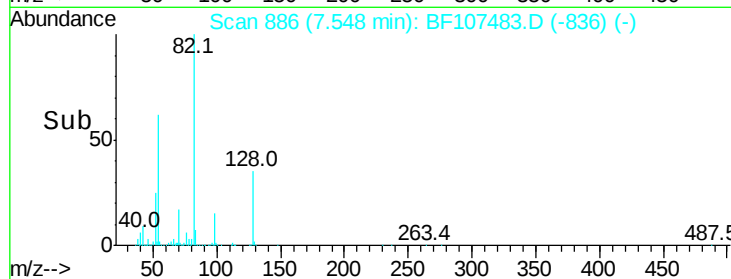
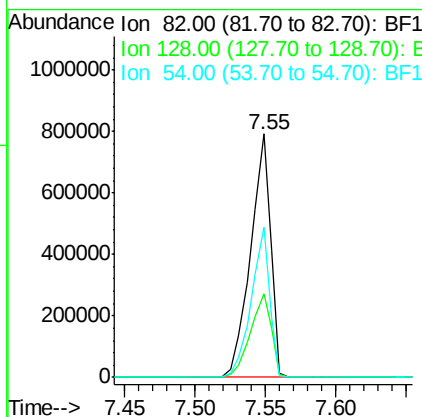
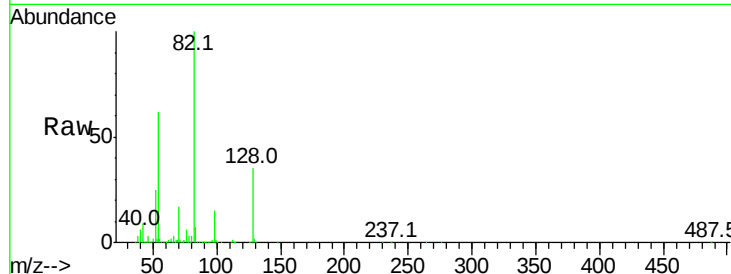
#23
Nitrobenzene-d5
Concen: 86.904 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampled :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.5	36.1	54.1#
54	61.9	41.4	62.2

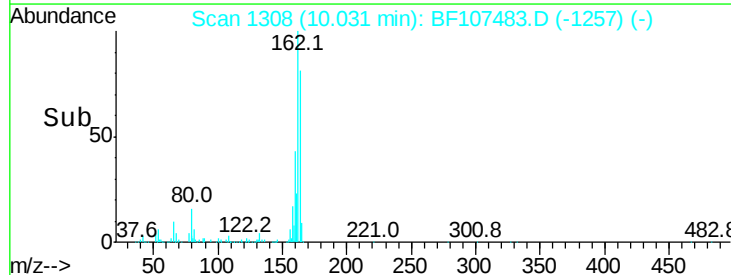
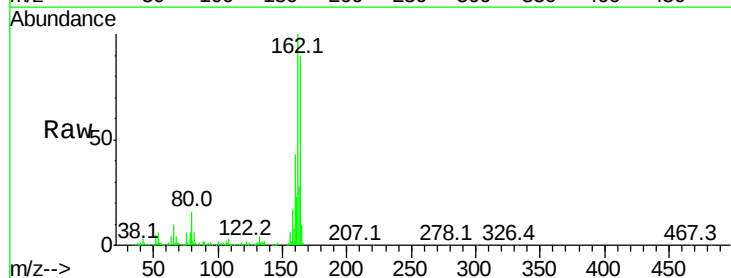
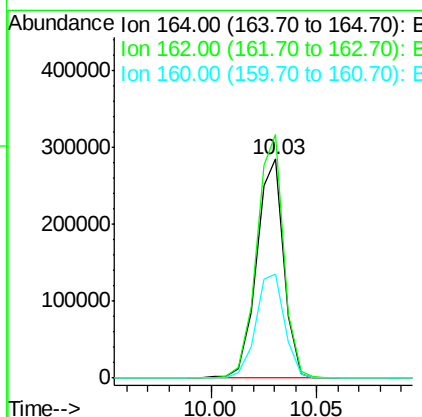
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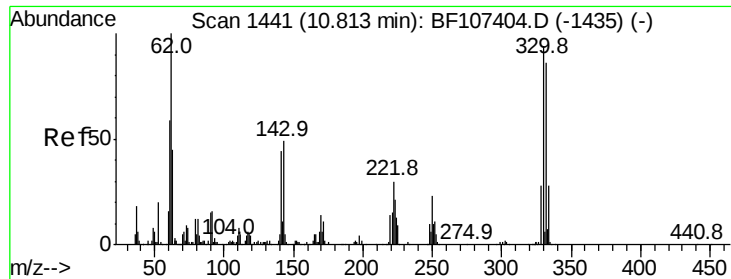
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.1	86.1	129.1
160	47.6	38.3	57.5





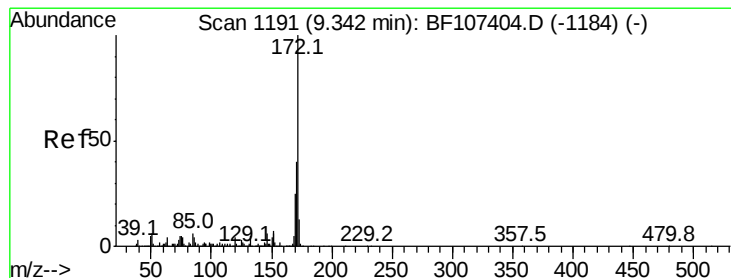
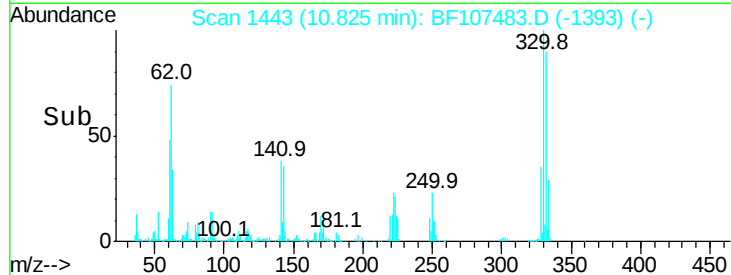
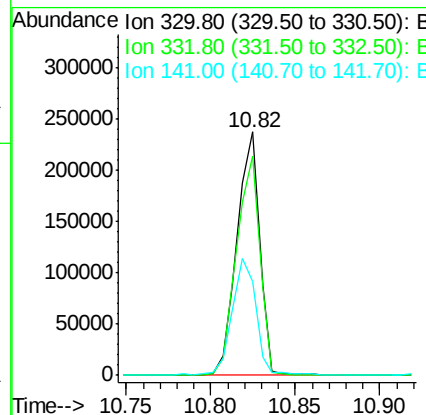
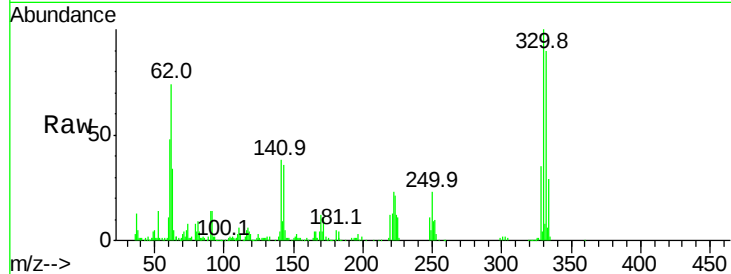
#41
 2,4,6-Tribromophenol
 Concen: 99.236 ng
 RT: 10.82 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF107483.D
 Acq: 18 Jul 2018 17:46

Instrument :
 BNA_F
 ClientSampleId :
 SB2-L-12-7

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.1	77.0	115.6	
141	50.7	29.9	44.9	

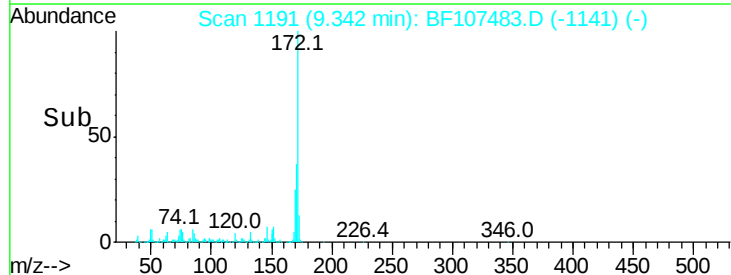
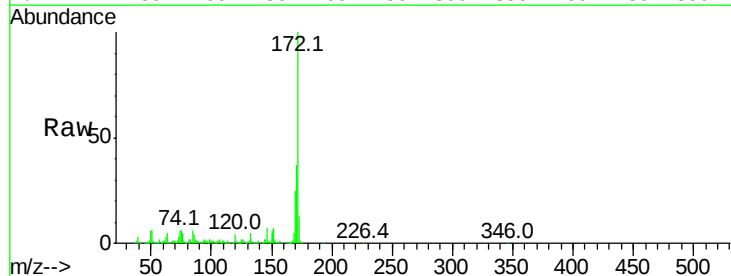
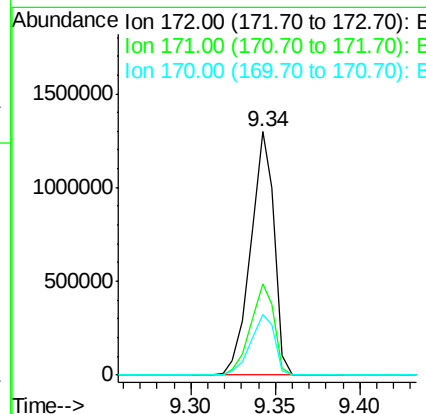
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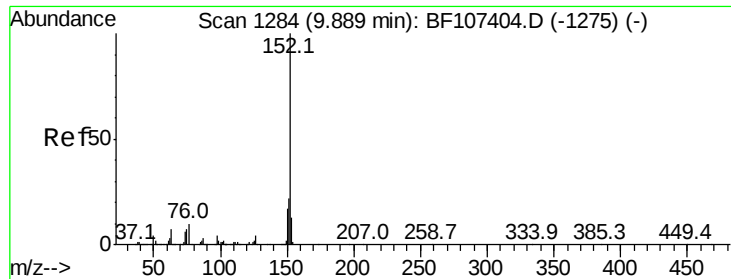
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#44
 2-Fluorobiphenyl
 Concen: 81.784 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107483.D
 Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.3	29.7	44.5	
170	25.0	19.6	29.4	





#48

Acenaphthylene

Concen: 3.687 ng

RT: 9.89 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Instrument :

BNA_F

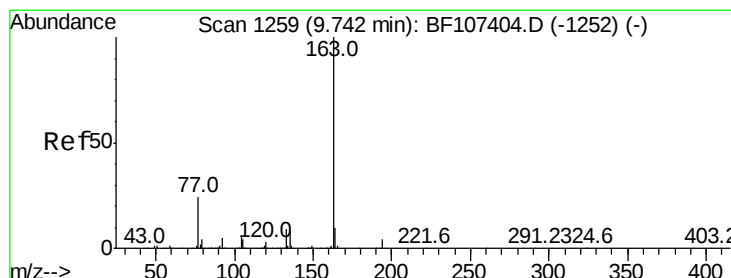
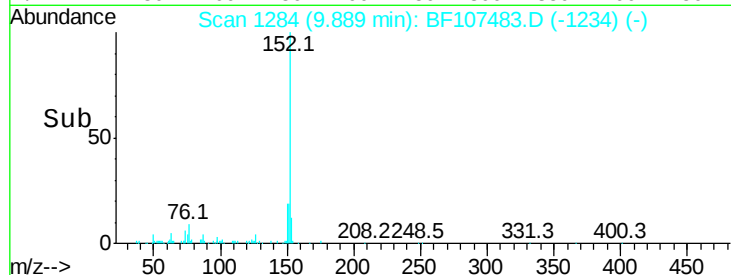
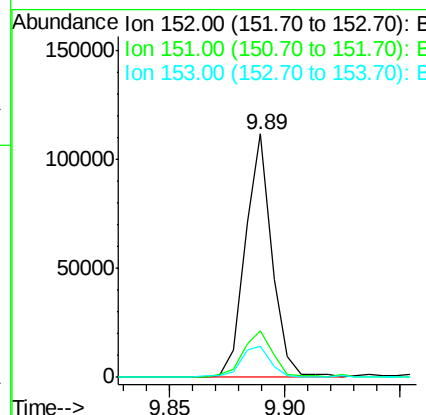
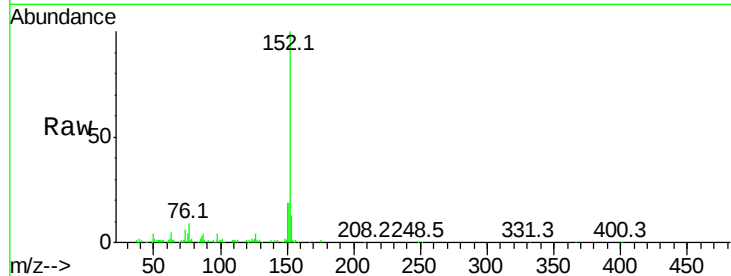
ClientSampleId :

SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	12.9	10.7	16.1

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#49

Dimethylphthalate

Concen: 10.964 ng

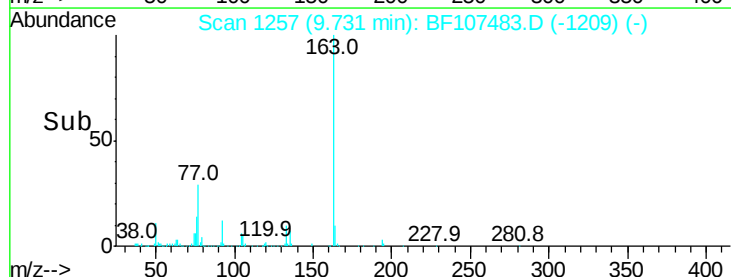
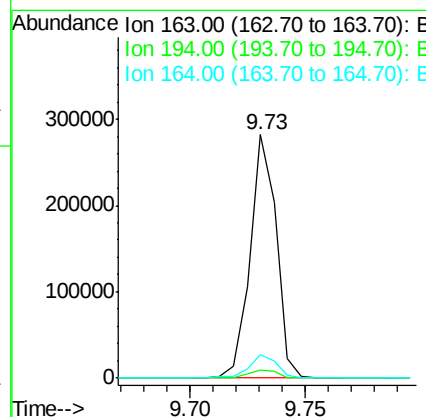
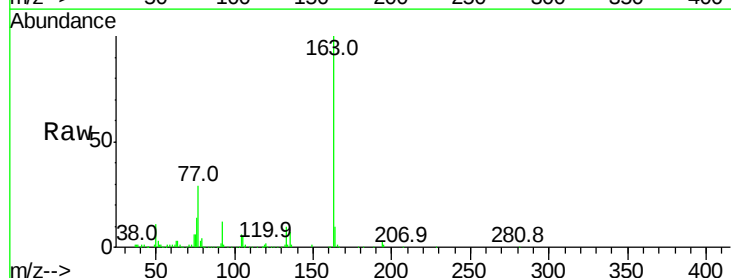
RT: 9.73 min Scan# 1257

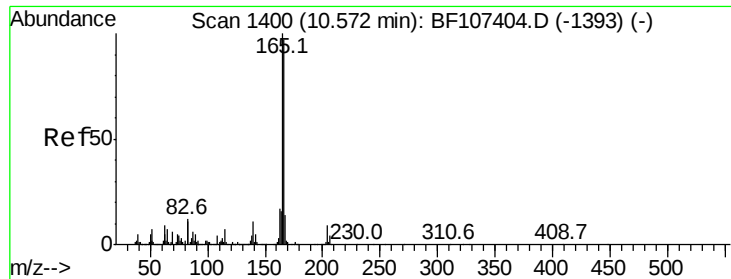
Delta R.T. -0.02 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.7	8.2	12.2





#57

Fluorene

Concen: 2.129 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Instrument :

BNA_F

ClientSampleId :

SB2-L-12-7

Tot Ion:166 Resp: 35222

Ion Ratio Lower Upper

166 100

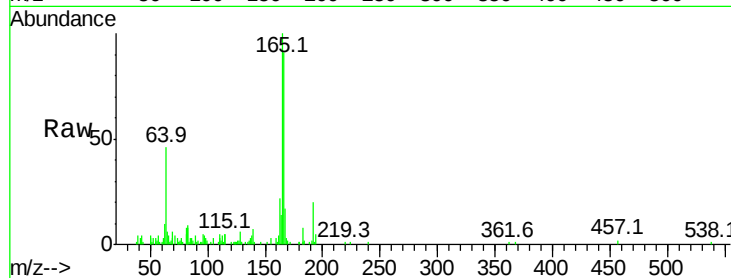
165 109.8 79.8 119.8

167 18.7 10.6 16.0#

Manual Integrations
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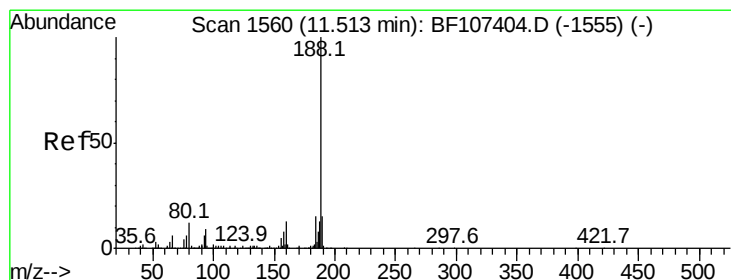
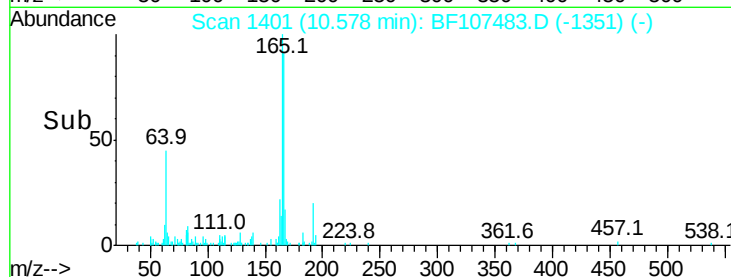
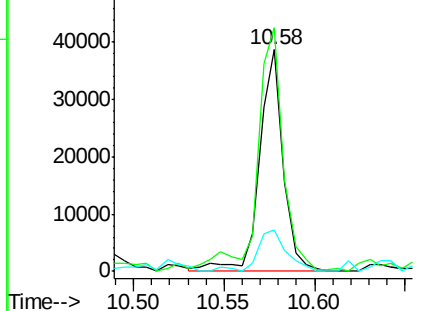
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

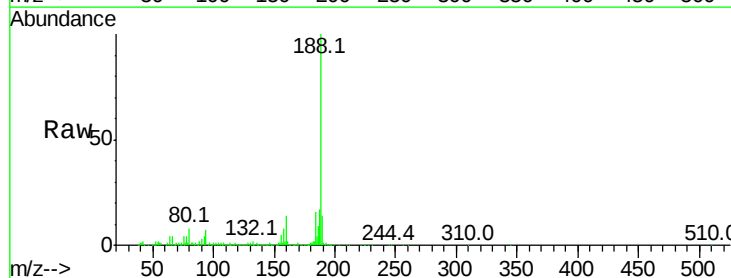
Tgt Ion:188 Resp: 462406

Ion Ratio Lower Upper

188 100

94 6.6 8.5 12.7#

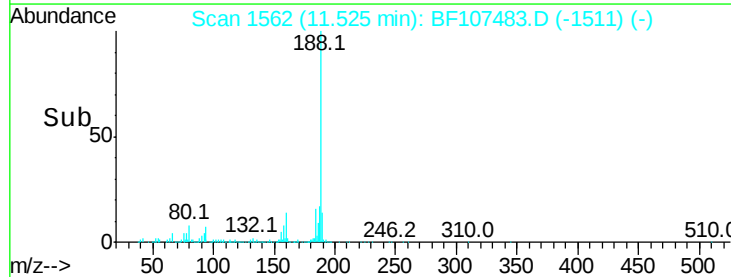
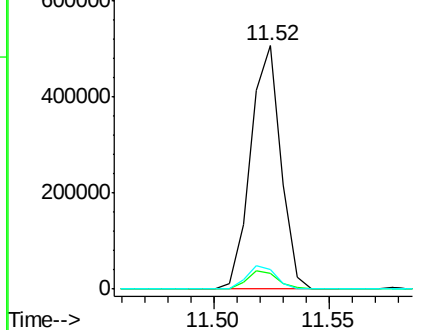
80 8.0 9.2 13.8#

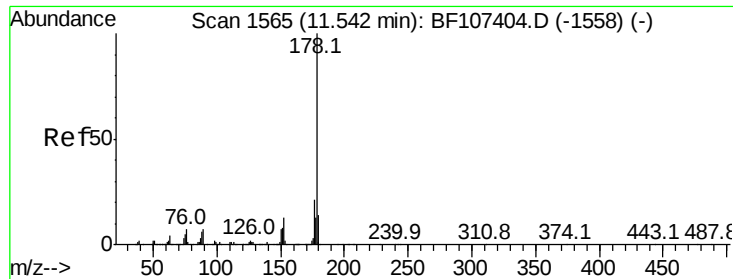


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





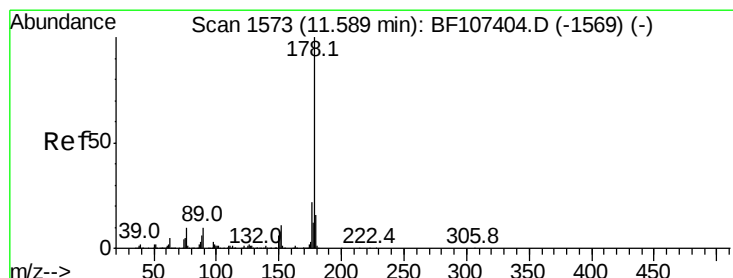
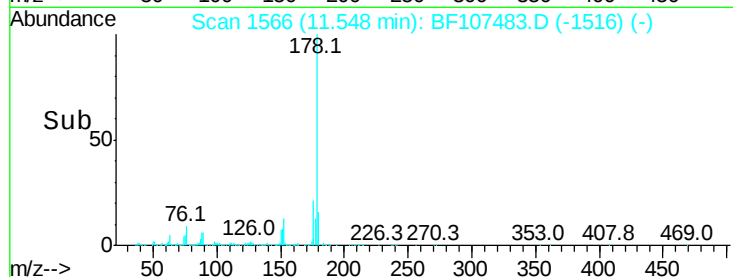
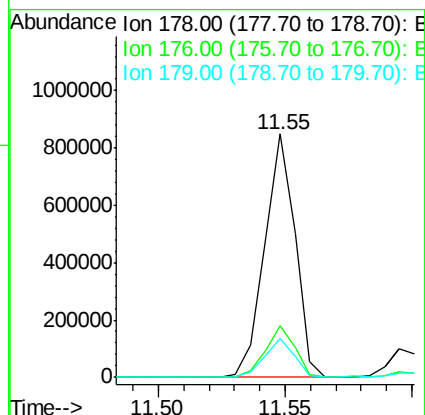
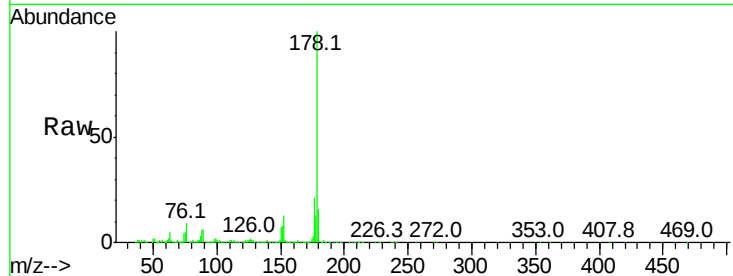
#70
Phenanthrene
Concen: 31.098 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	15.7	13.0	19.6

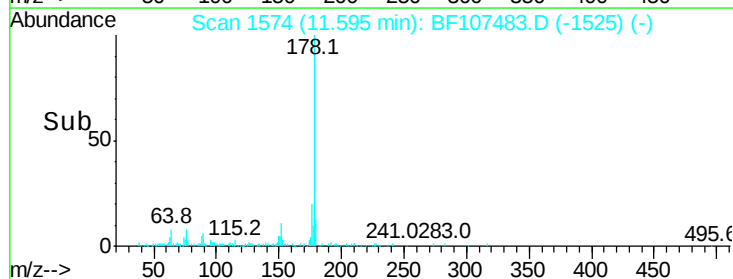
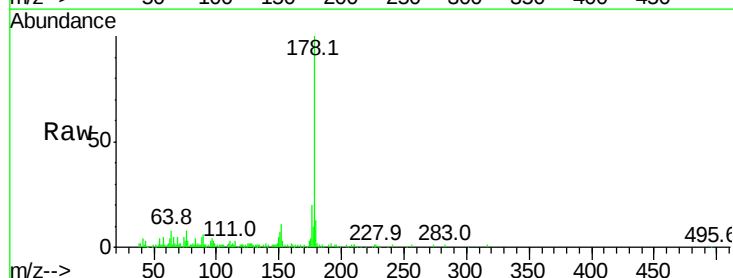
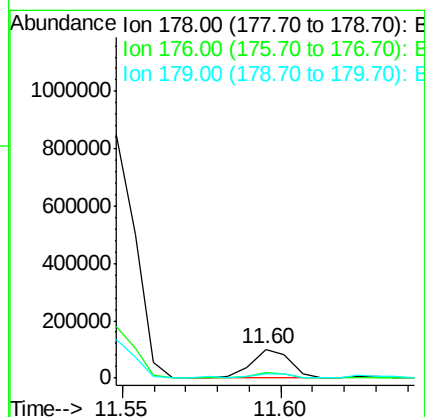
Manual Integrations
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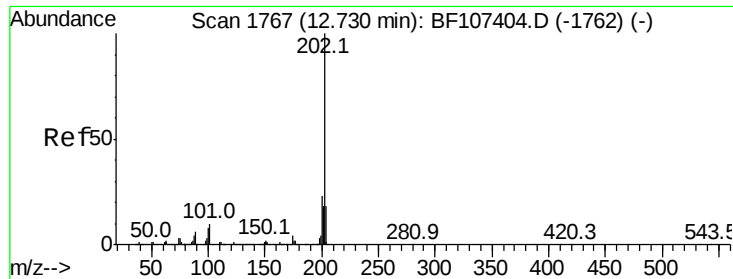
Sohil
7/19/2018 11:49:42 AM



#71
Anthracene
Concen: 3.589 ng
RT: 11.60 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	13.1	12.6	19.0





#74

Fluoranthene

Concen: 41.238 ng

RT: 12.76 min Scan# 1772

Delta R.T. 0.02 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Instrument :

BNA_F

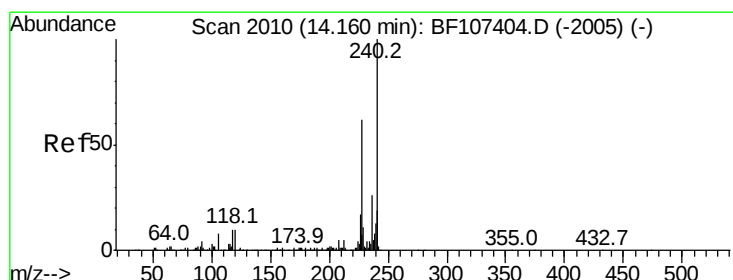
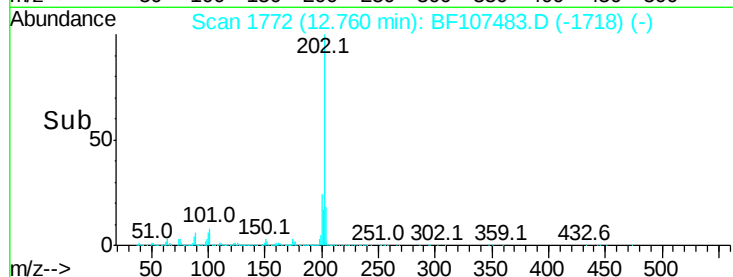
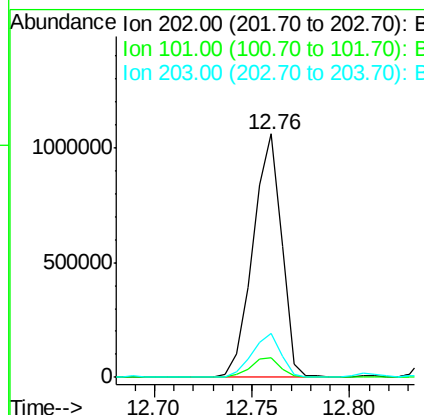
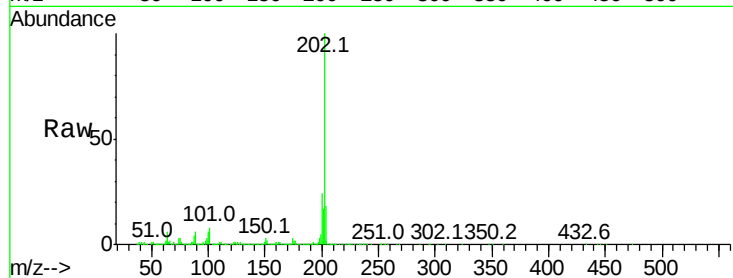
ClientSampleId :

SB2-L-12-7

Tot Ion:	202	Resp:	1080100
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	34.1
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

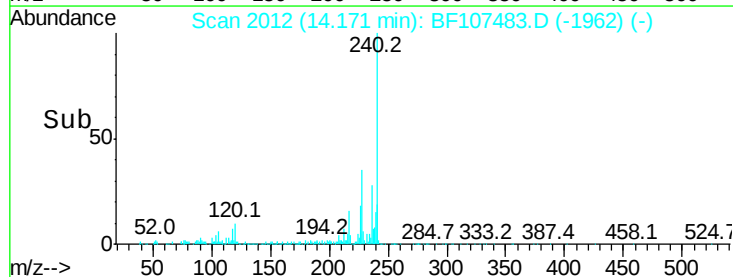
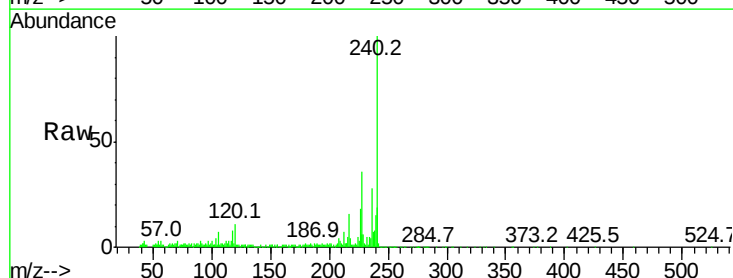
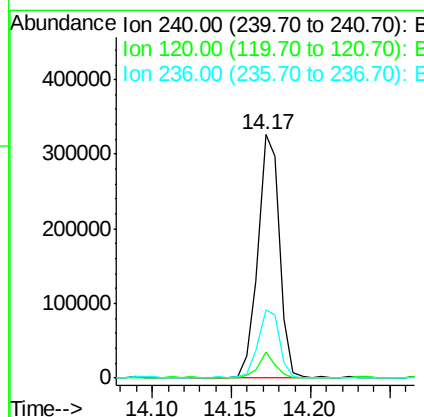
RT: 14.17 min Scan# 2012

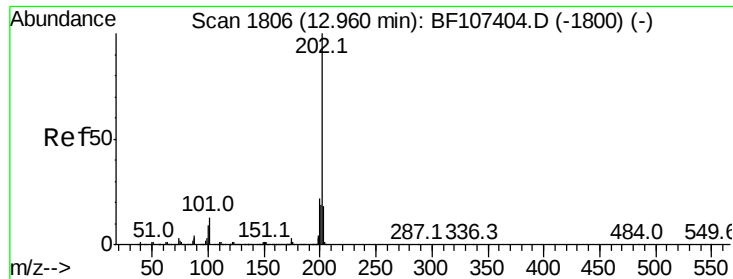
Delta R.T. -0.01 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Tgt Ion:	240	Resp:	308922
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	28.1	20.7	31.1





#77

Pvrene

Concen: 34.722 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Instrument :

BNA_F

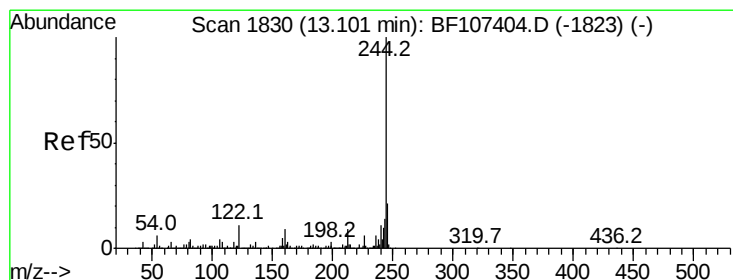
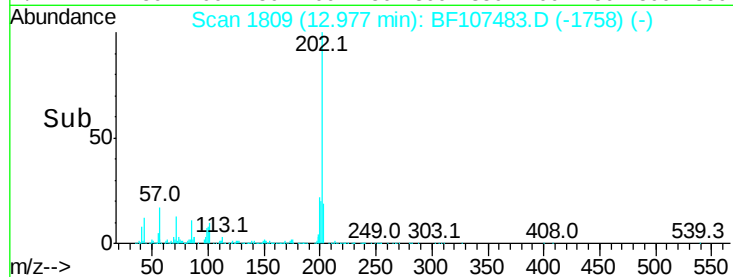
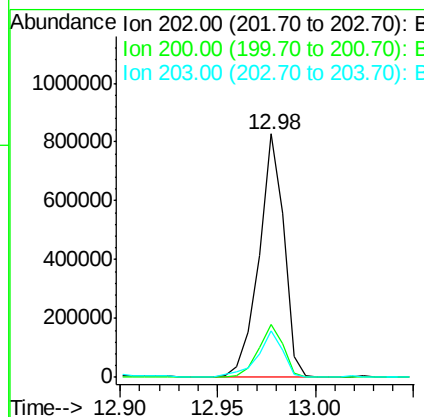
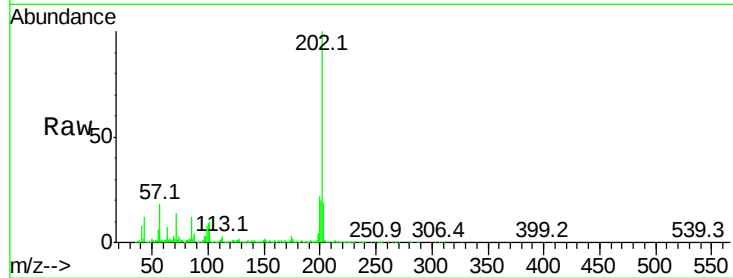
ClientSampleId :

SB2-L-12-7

Tot Ion:	202	Resp:	729412
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	19.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 78.789 ng

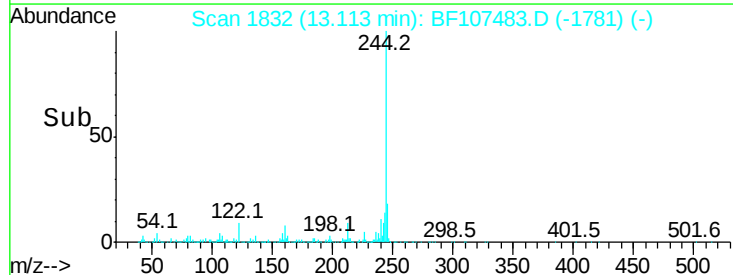
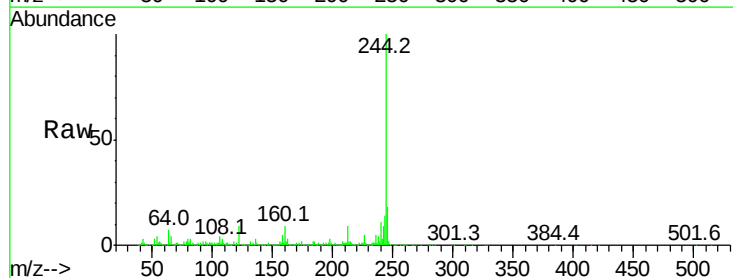
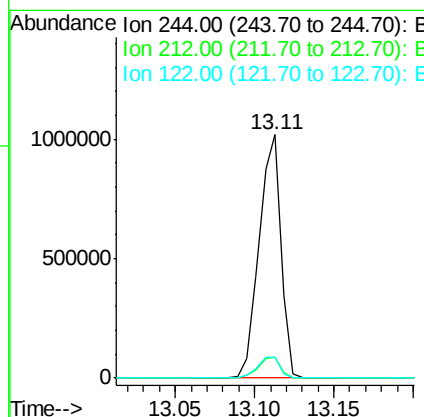
RT: 13.11 min Scan# 1832

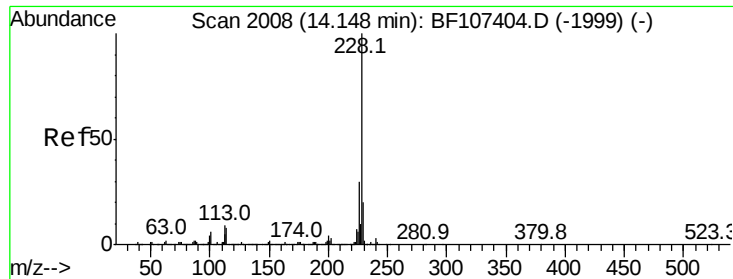
Delta R.T. 0.00 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Tgt Ion:	244	Resp:	979627
Ion Ratio	Lower	Upper	
244	100		
212	8.8	5.4	8.0#
122	8.7	11.0	16.4#





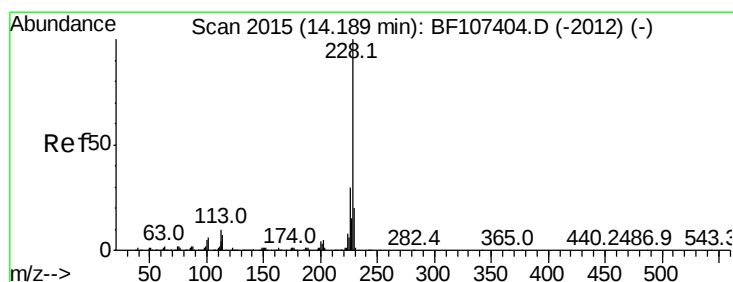
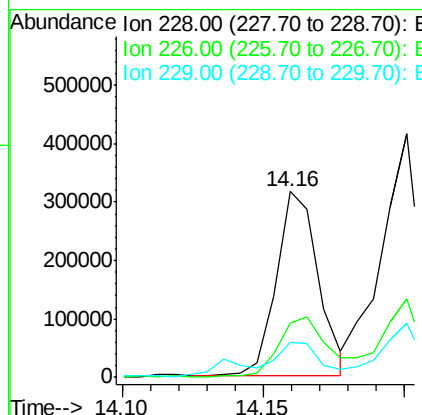
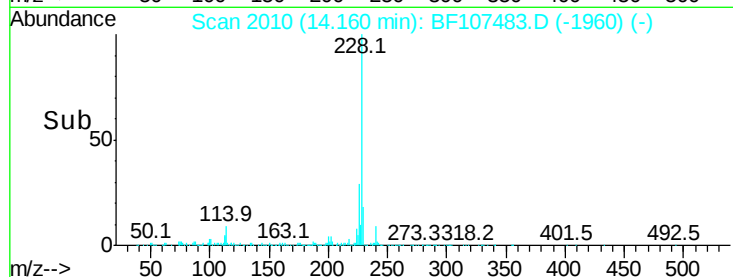
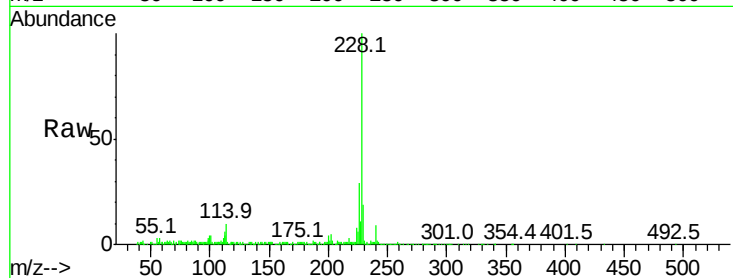
#80
Benzo(a)anthracene
Concen: 17.188 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	18.7	15.8	23.6

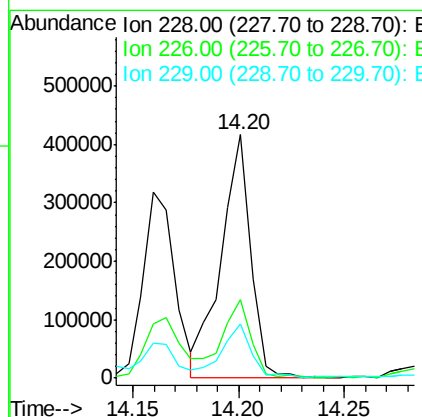
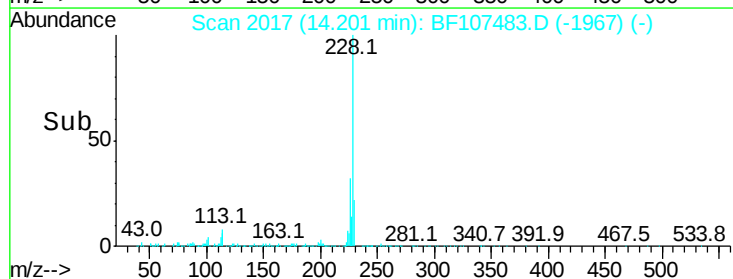
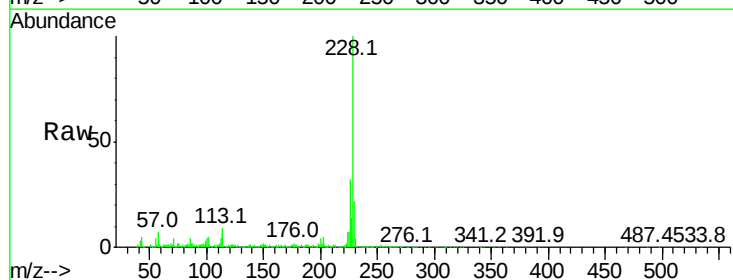
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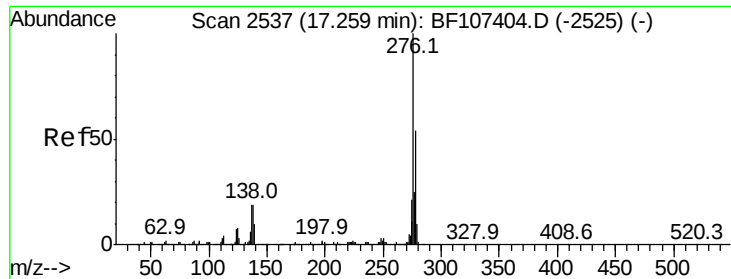
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#82
Chrysene
Concen: 22.074 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	22.3	16.2	24.4





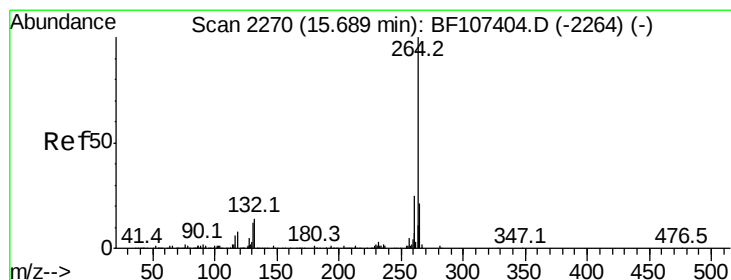
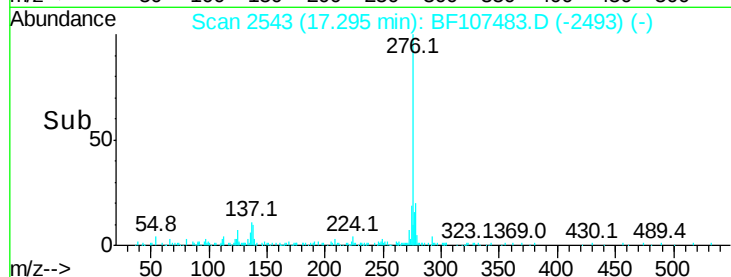
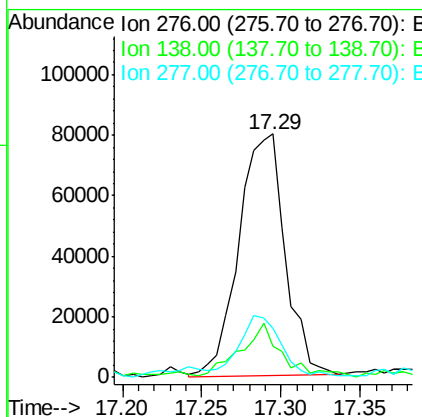
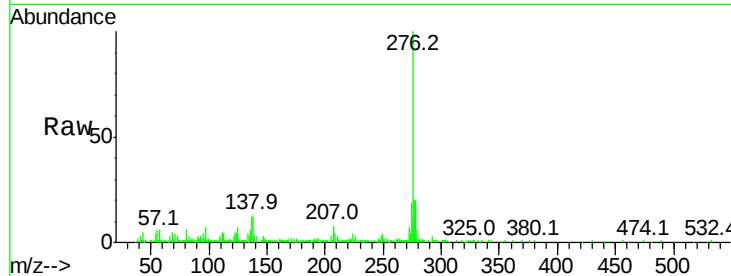
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.599 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	25.0	37.6#
277	22.3	20.1	30.1

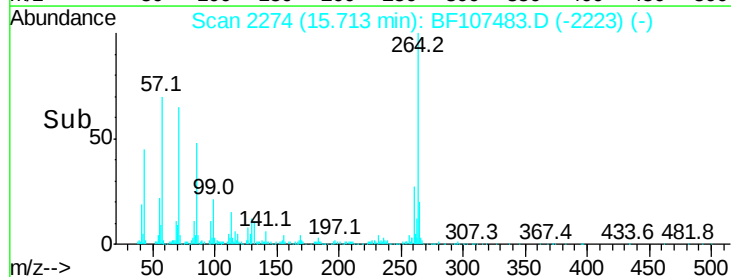
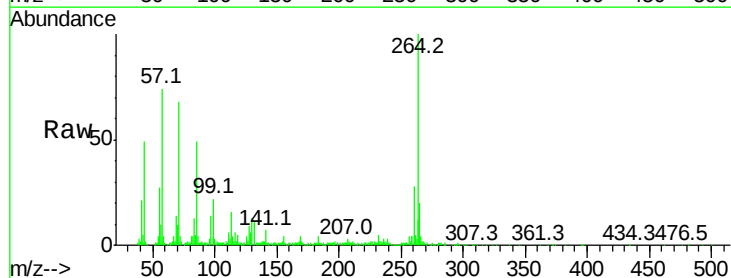
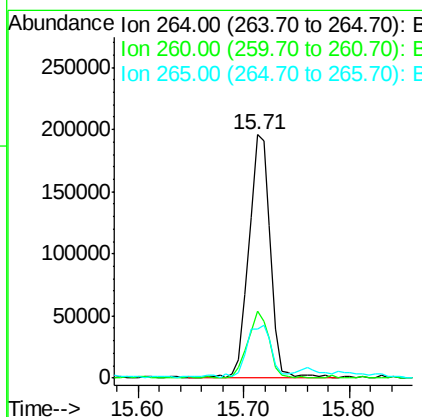
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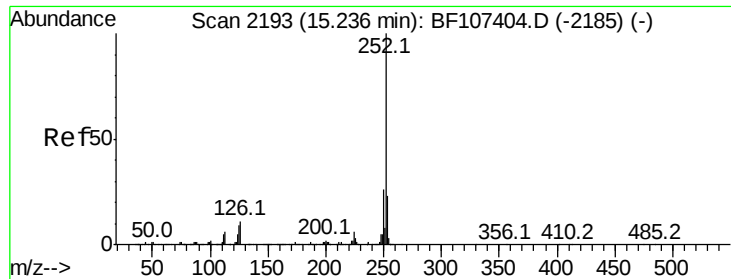
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.6	19.2	28.8
265	20.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 28.599 ng m

RT: 15.25 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF107483.D

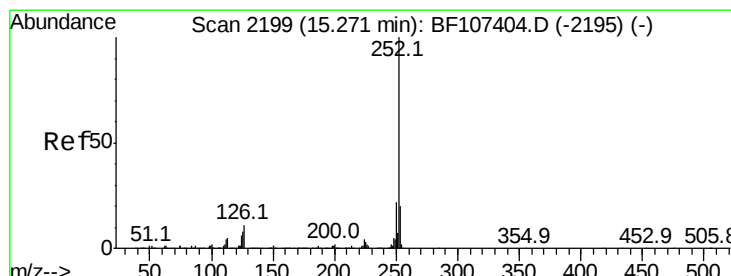
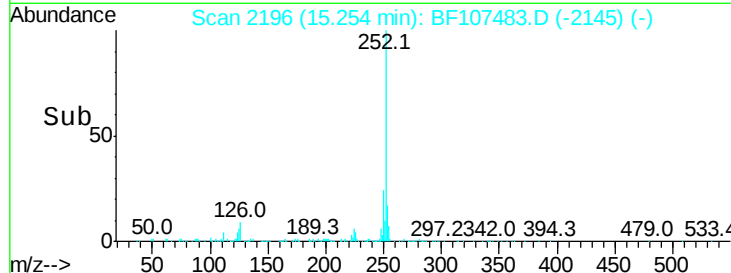
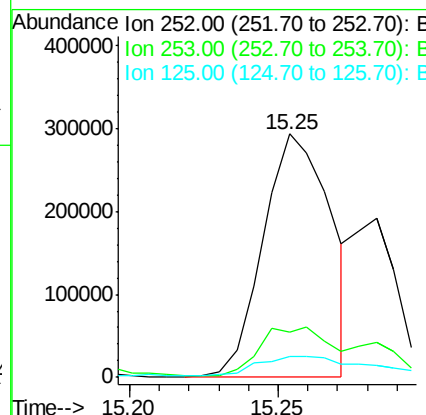
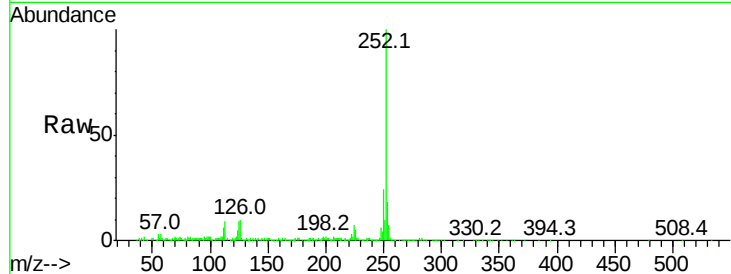
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	18.3	17.0	25.6
125	8.8	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 12.287 ng m

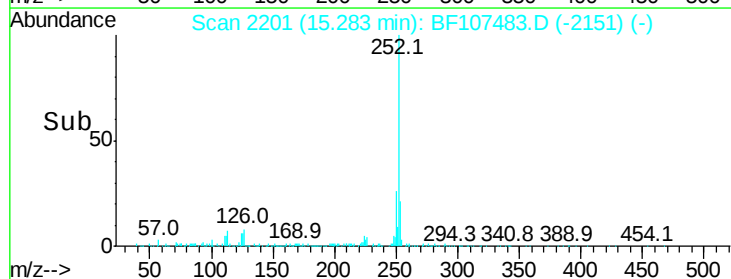
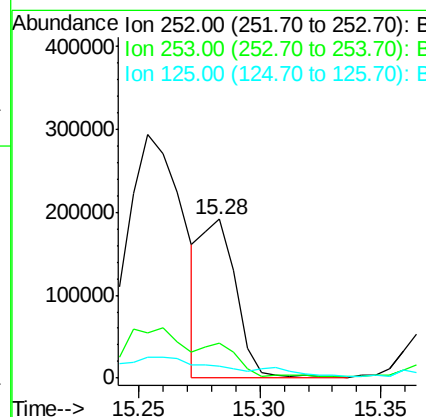
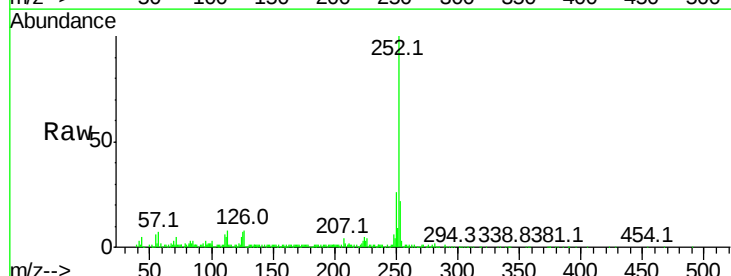
RT: 15.28 min Scan# 2201

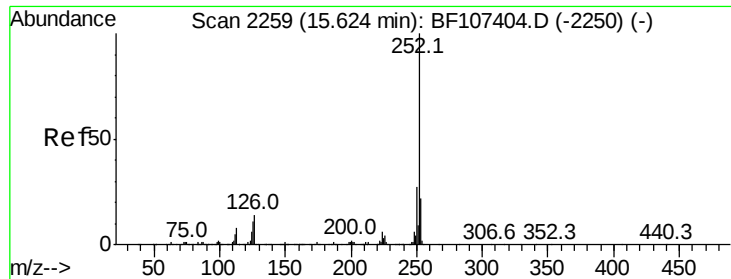
Delta R.T. -0.01 min

Lab File: BF107483.D

Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	7.5	10.2	15.2#





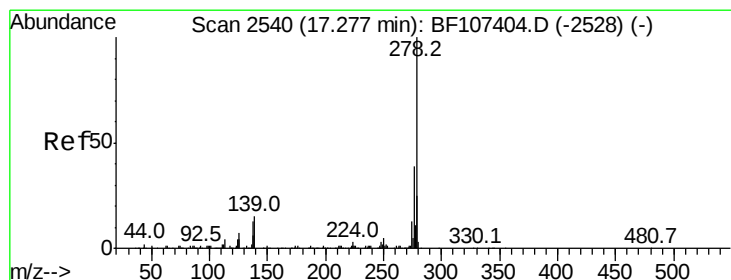
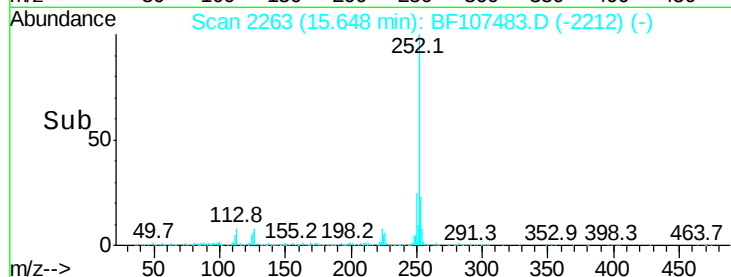
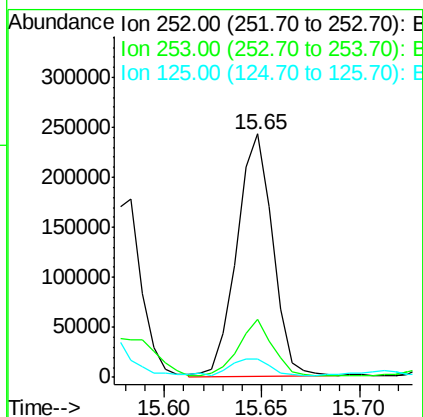
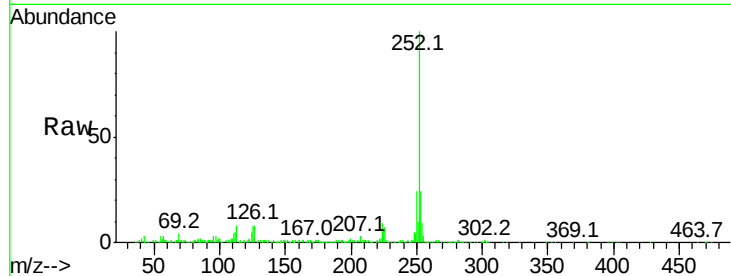
#89
Benzo(a)pyrene
Concen: 20.522 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Instrument :
BNA_F
ClientSampleId :
SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	7.6	9.8	14.6

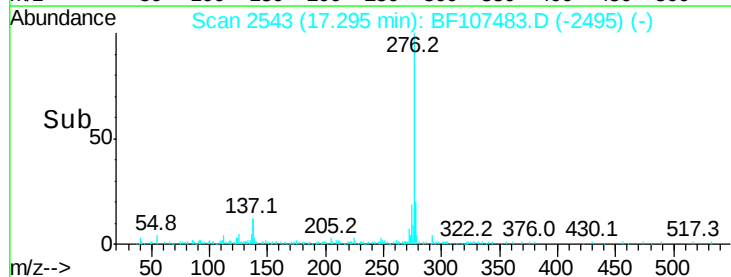
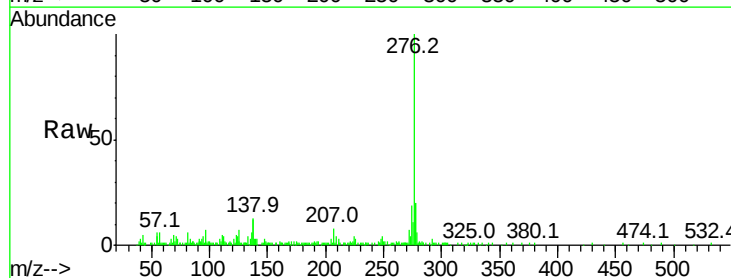
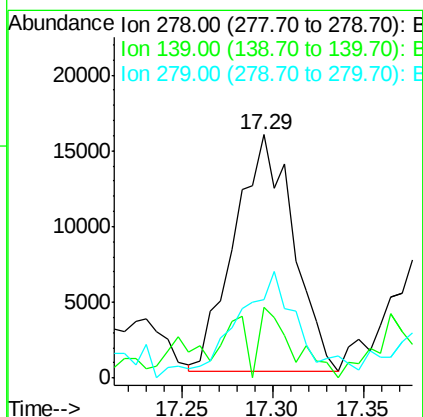
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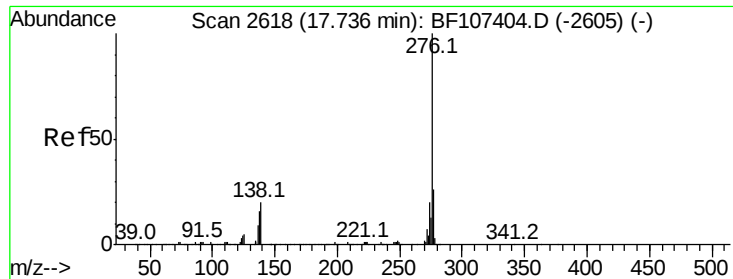
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#90
Dibenzo(a,h)anthracene
Concen: 3.093 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF107483.D
Acq: 18 Jul 2018 17:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.3	15.9	23.9
279	32.3	19.0	28.4





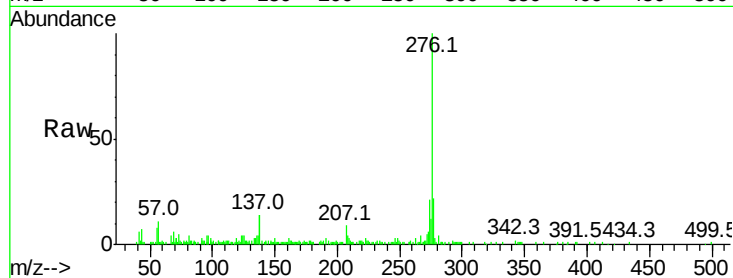
#91
 Benzo(a,h,i)perylene
 Concen: 12.534 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF107483.D
 Acq: 18 Jul 2018 17:46

Instrument :
 BNA_F
 ClientSampleId :
 SB2-L-12-7

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.8	17.9	26.9
138	14.4	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

