

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070218\
 Data File : BF107061.D
 Acq On : 3 Jul 2018 00:16
 Operator : JU/SJ
 Sample : J3638-01DL 4X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-1DL

Manual Integrations
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Quant Time: Jul 03 14:45:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	68327	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	254739	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	112912	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	194216	20.00	ng	0.00
75) Chrysene-d12	14.15	240	165729	20.00	ng	-0.01
86) Perylene-d12	15.70	264	128644	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	143671	35.61	ng	0.00
7) Phenol-d6	6.60	99	173832	34.50	ng	-0.01
23) Nitrobenzene-d5	7.52	82	98108	21.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	41365	31.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	214578	21.07	ng	-0.02
78) Terphenyl-d14	13.08	244	220820	32.28	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.70	163	23140	2.732	ng	Qvalue
51) Acenaphthene	10.03	154	14354	2.038	ng	# 95
57) Fluorene	10.55	166	15761	2.060	ng	# 93
70) Phenanthrene	11.52	178	272032	29.040	ng	98
71) Anthracene	11.57	178	55090	5.762	ng	99
72) Carbazole	11.73	167	30920	3.454	ng	98
74) Fluoranthene	12.72	202	546569	52.938	ng	96
77) Pyrene	12.95	202	512179	46.866	ng	100
80) Benzo(a)anthracene	14.14	228	270560	26.786	ng	98
82) Chrysene	14.18	228	255379	27.482	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	27525	4.791	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.29	276	123901	15.712	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	310879m	38.902	ng	
88) Benzo(k)fluoranthene	15.27	252	102306m	13.443	ng	
89) Benzo(a)pyrene	15.64	252	194852m	27.428	ng	
90) Dibenzo(a,h)anthracene	17.29	278	35821m	5.950	ng	
91) Benzo(g,h,i)perylene	17.78	276	122743	20.858	ng	# 89

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

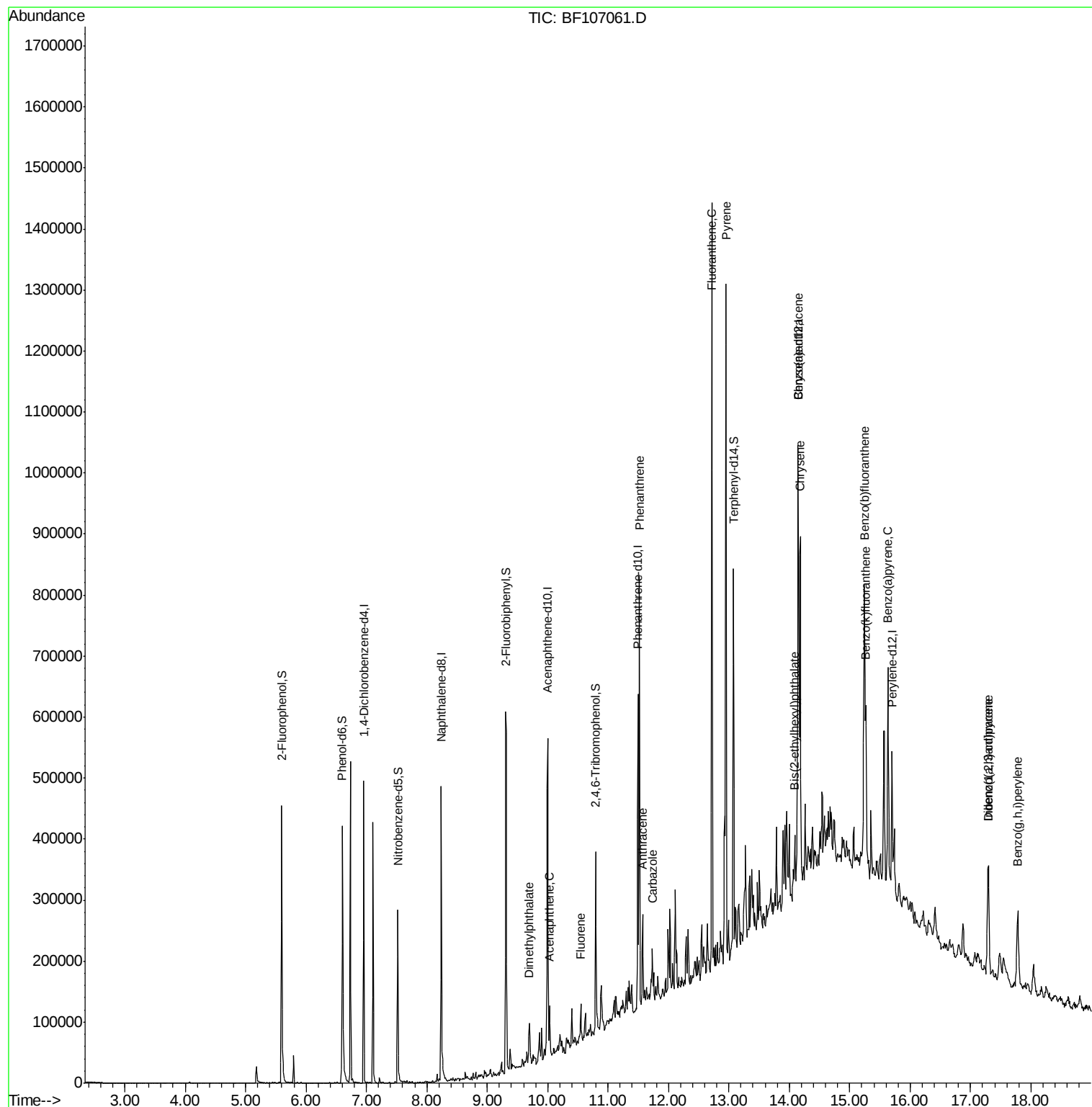
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070218\
Data File : BF107061.D
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ALS Vial : 29 Sample Multiplier: 1

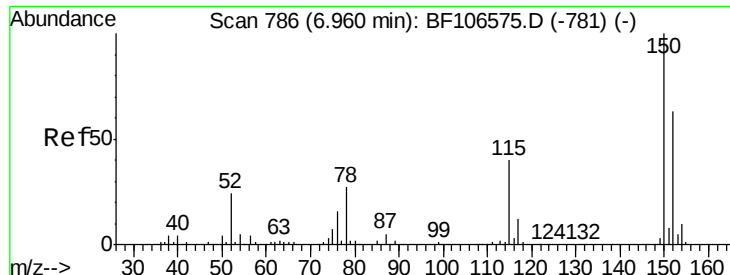
Instrument :
BNA_F
ClientSampled :
P-1DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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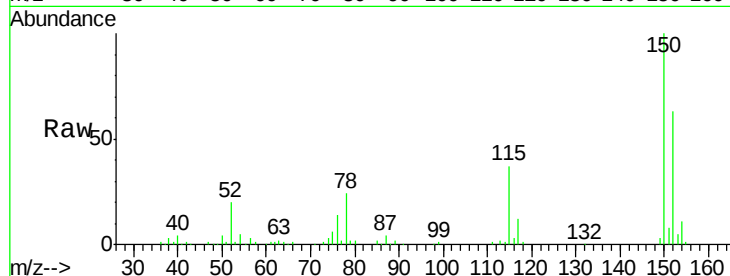
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Instrument :
 BNA_F
 ClientSampled :
 P-1DL

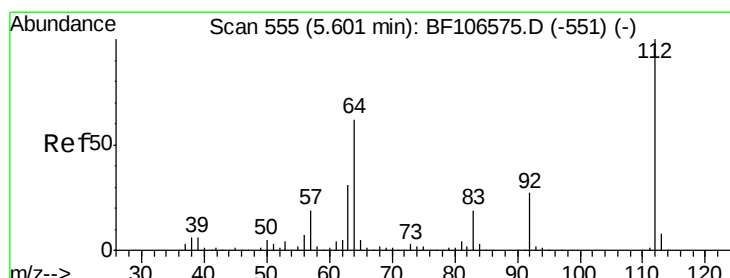
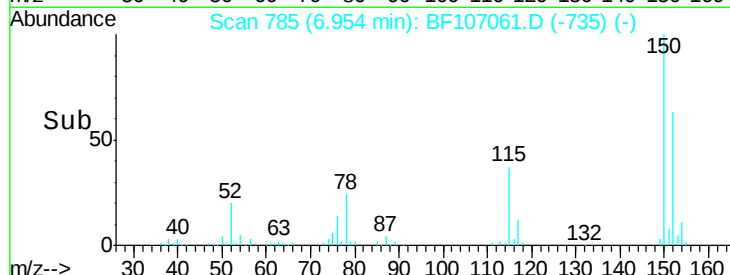
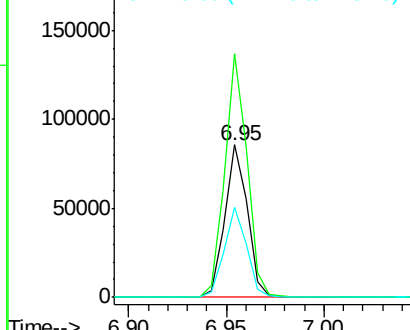
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	59.4	50.1	75.1

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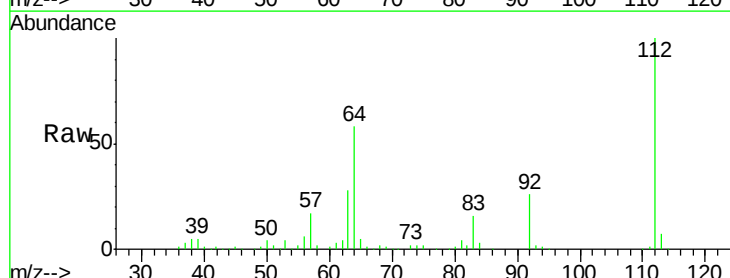


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

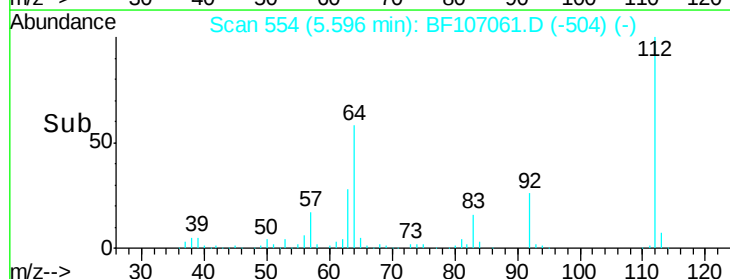
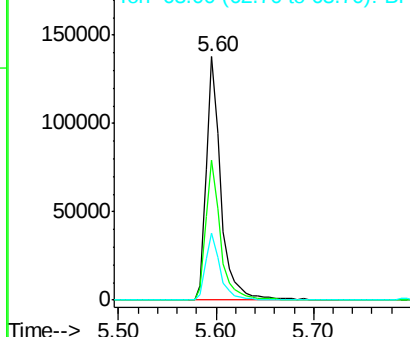


#5
 2-Fluorophenol
 Concen: 35.605 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	27.6	23.7	35.5



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





#7

Phenol-d6

Concen: 34.497 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

ClientSampled :

P-1DL

Tgt Ion: 99 Resp: 173832

Ion Ratio Lower Upper

99 100

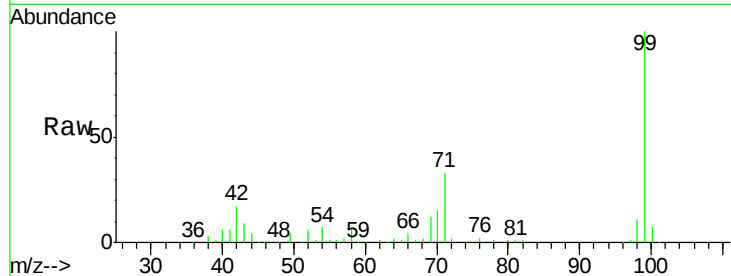
42 16.6 14.5 21.7

71 33.4 25.4 38.0

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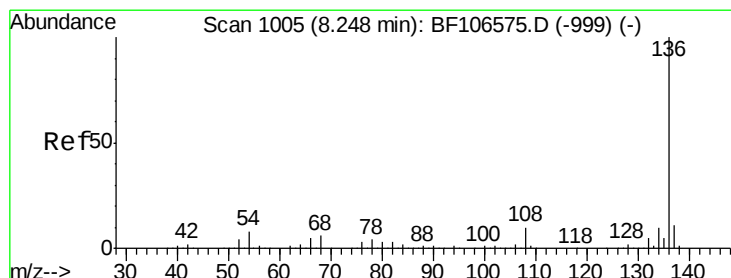
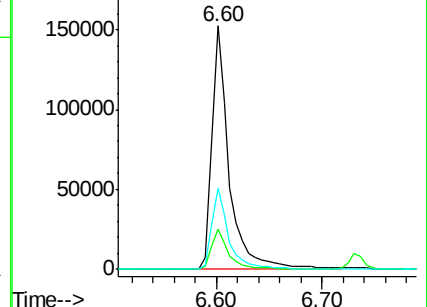
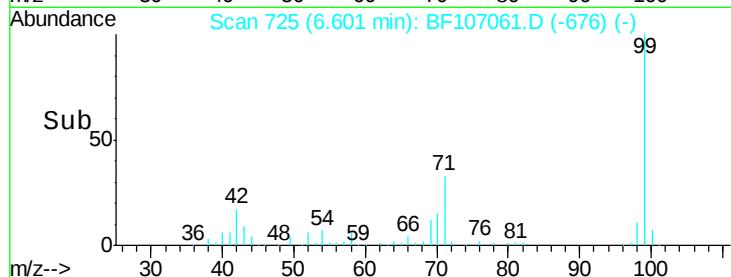
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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# 1003

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion: 136 Resp: 254739

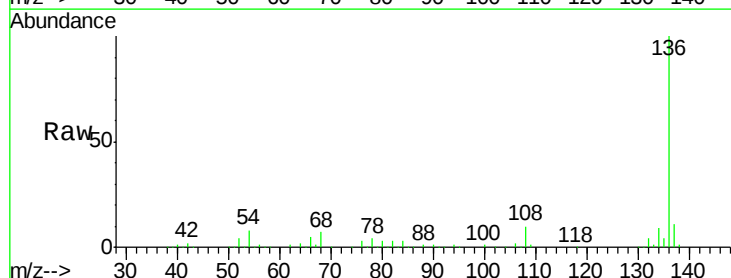
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.3 6.6 9.8

68 6.7 5.0 7.4

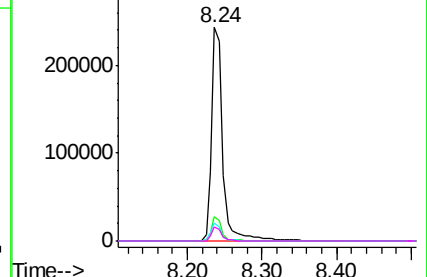
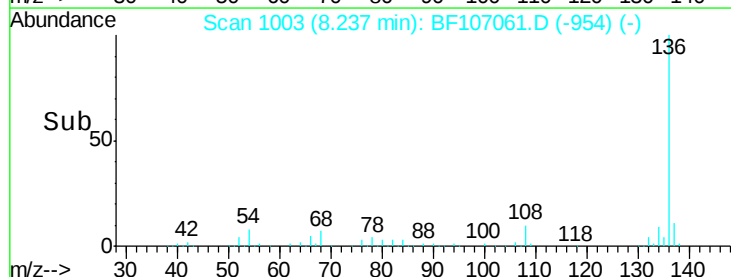


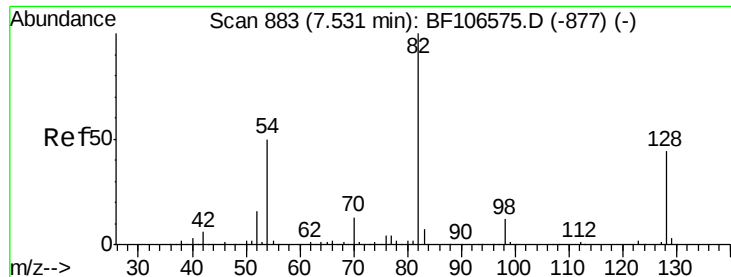
Abundance Ion 136.00 (135.70 to 136.70): E

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





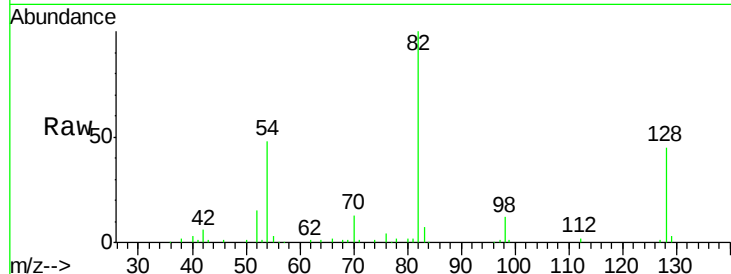
#23
Nitrobenzene-d5
Concen: 21.403 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Instrument :
BNA_F
ClientSampleId :
P-1DL

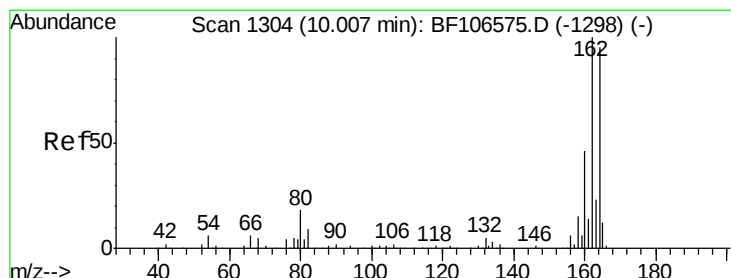
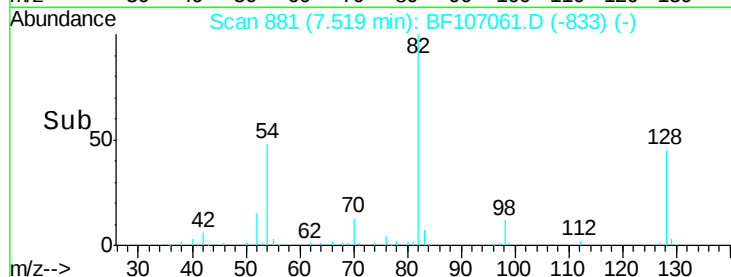
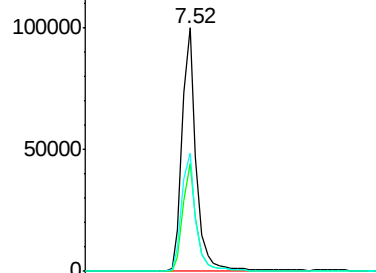
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	48.3	41.4	62.2

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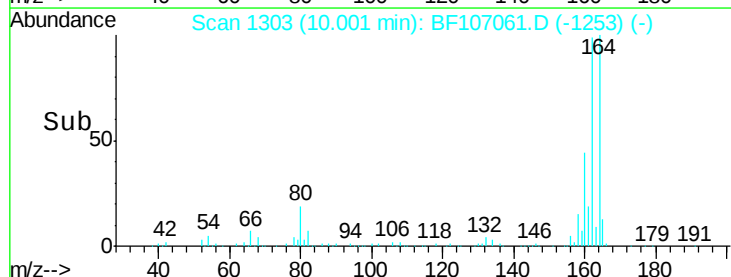
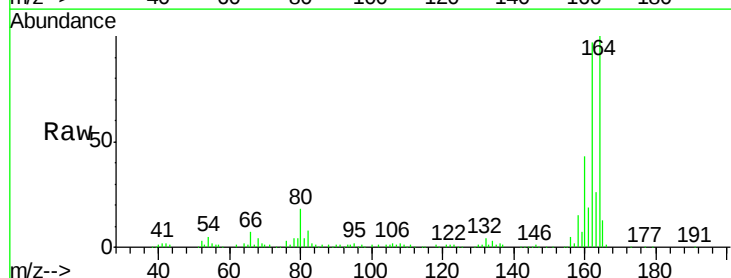
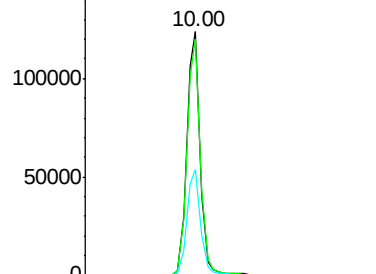
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

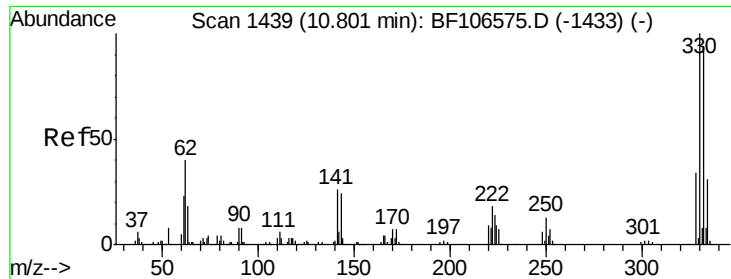


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	86.1	129.1
160	43.5	38.3	57.5

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





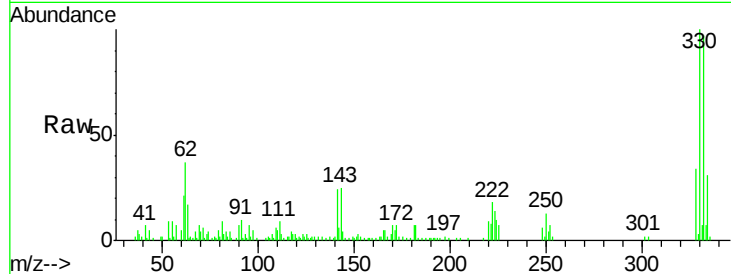
#41
 2,4,6-Tribromophenol
 Concen: 31.608 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Instrument :
 BNA_F
 ClientSampled :
 P-1DL

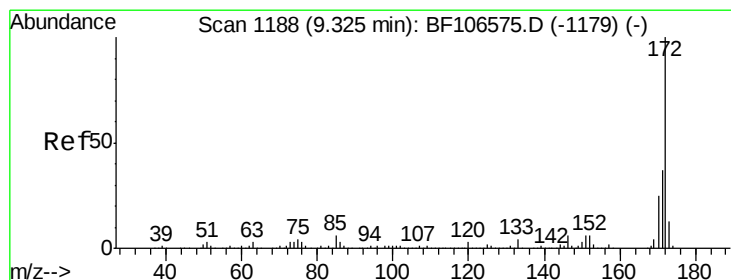
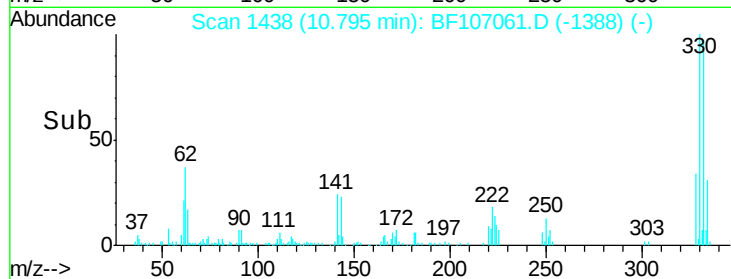
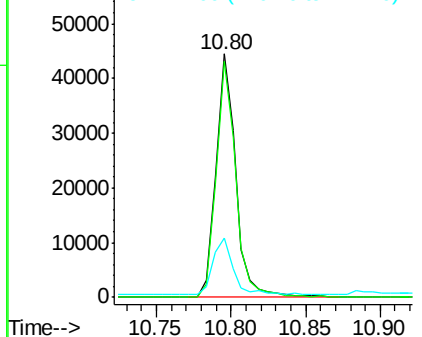
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	23.7	29.9	44.9

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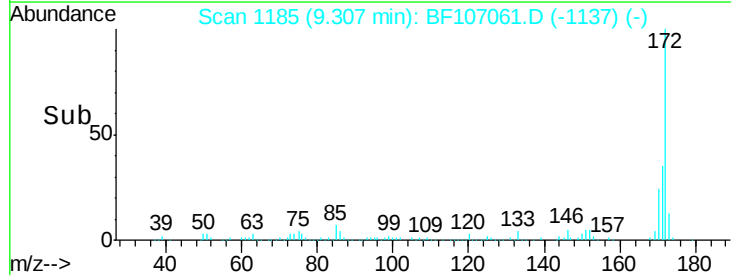
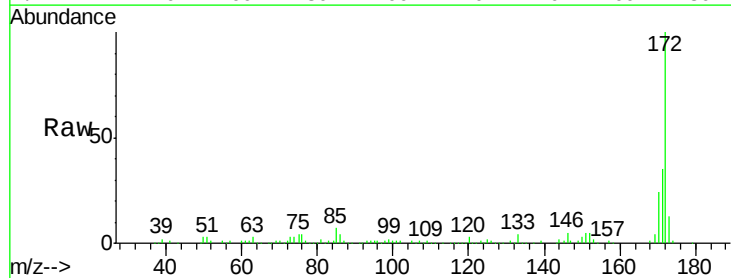
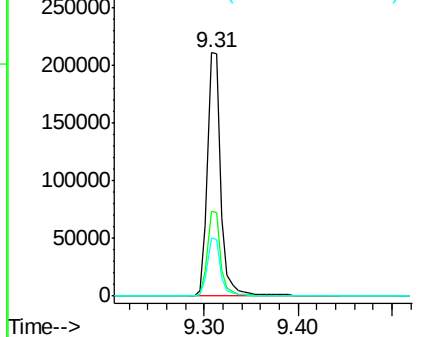
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

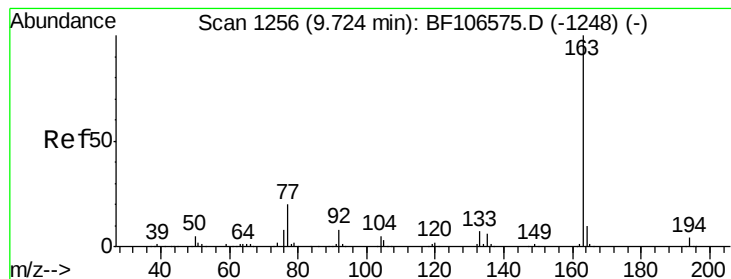


#44
 2-Fluorobiphenyl
 Concen: 21.073 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.9	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.732 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

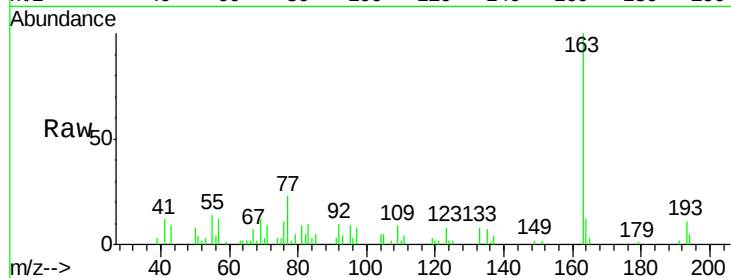
ClientSampleId :

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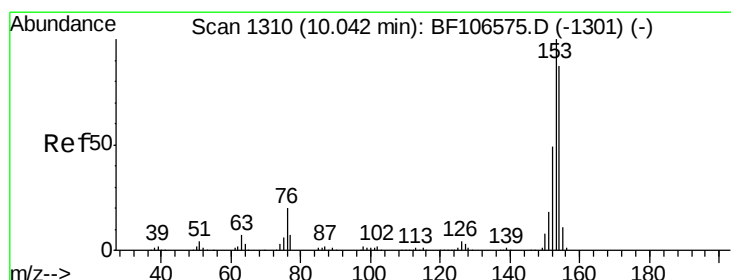
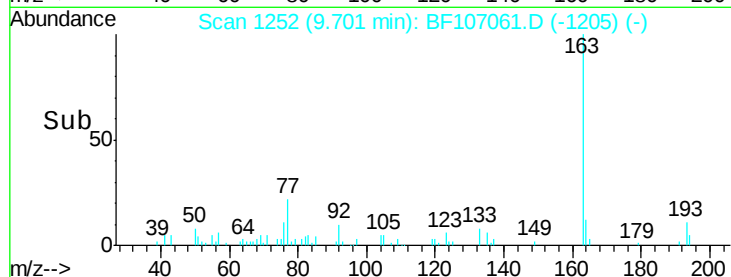
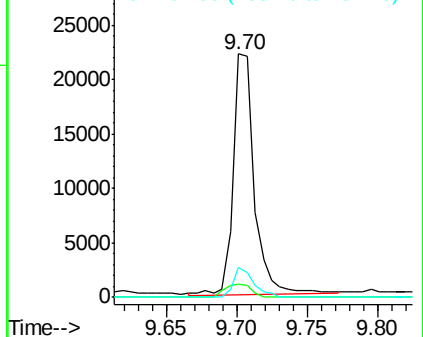
Tgt Ion:	163	Resp:	23140
Ion Ratio	Lower	Upper	
163	100		
194	5.3	2.7	4.1#
164	12.2	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.038 ng

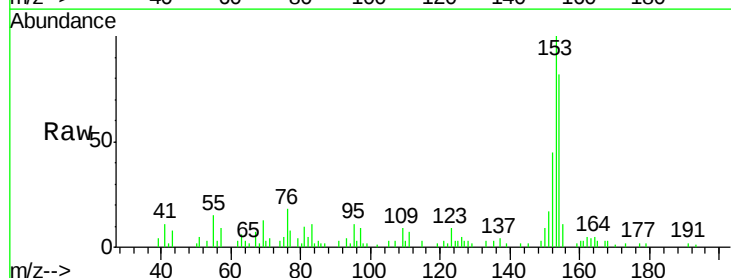
RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

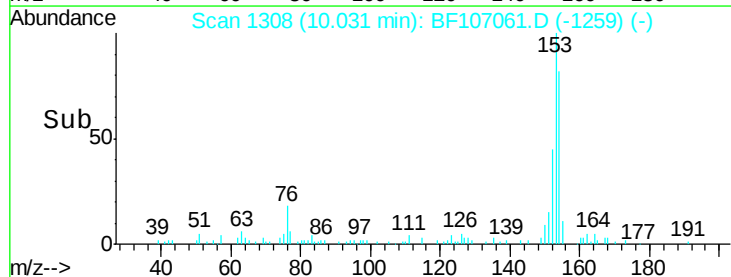
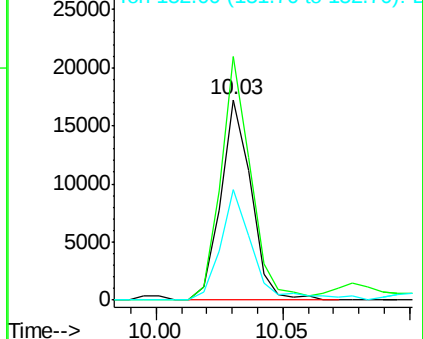
Lab File: BF107061.D

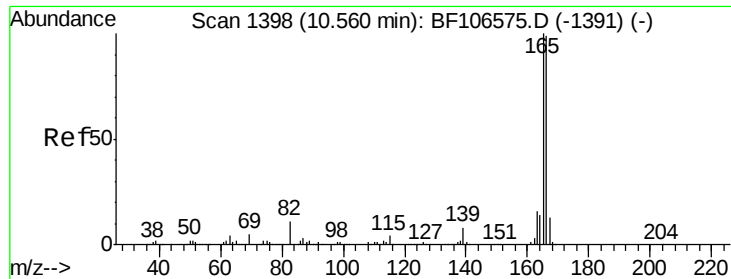
Acq: 3 Jul 2018 00:16

Tgt Ion:	154	Resp:	14354
Ion Ratio	Lower	Upper	
154	100		
153	121.4	91.2	136.8
152	54.9	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





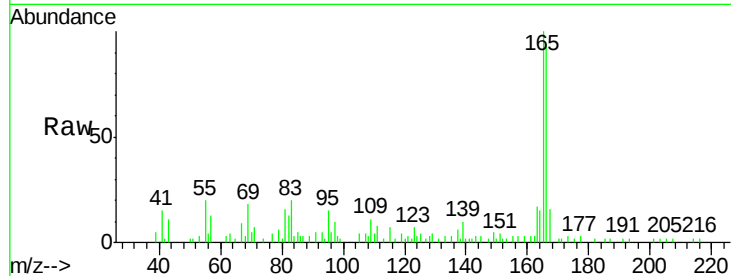
#57
Fluorene
 Concen: 2.060 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 P-1DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.2	79.8	119.8
167	16.9	10.6	16.0

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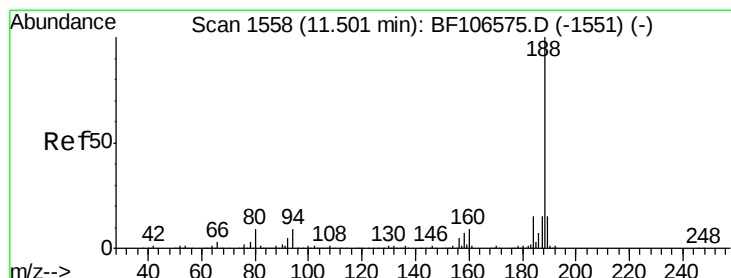
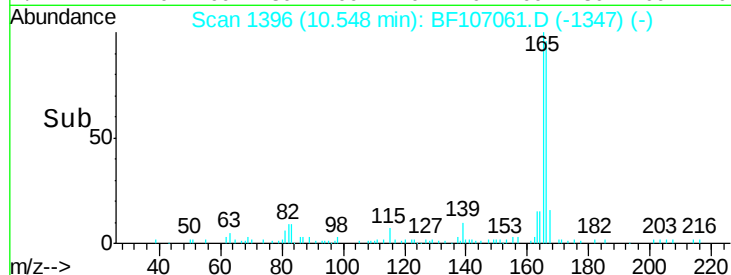
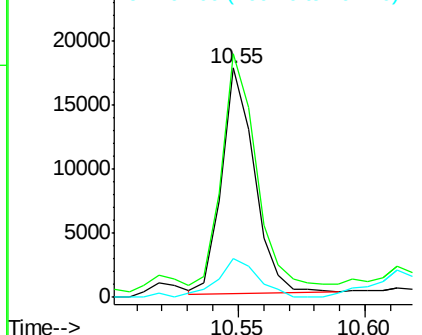


Abundance

Ion 166.00 (165.70 to 166.70): E

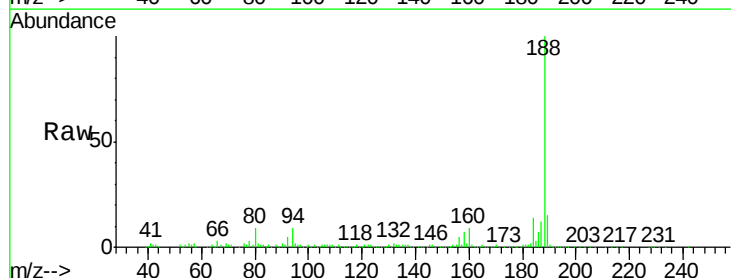
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.3	9.2	13.8

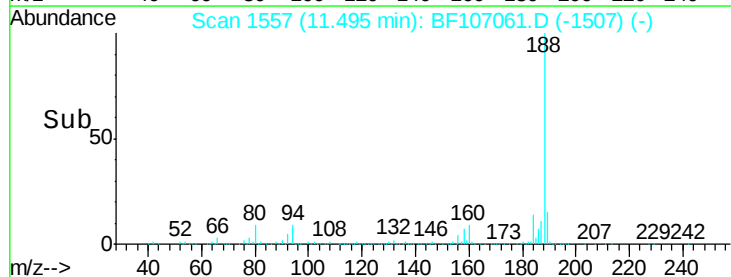
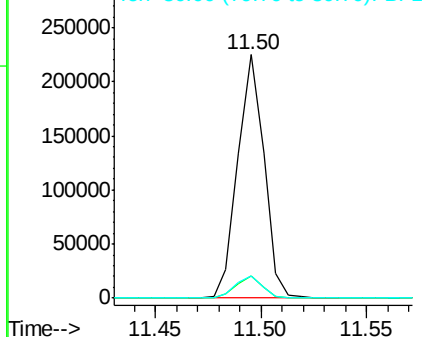


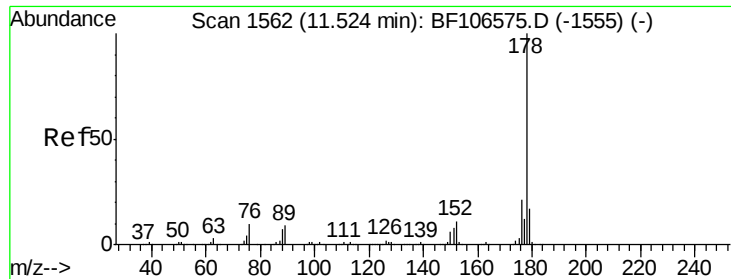
Abundance

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





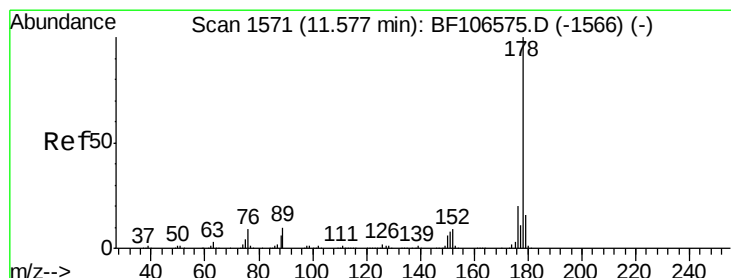
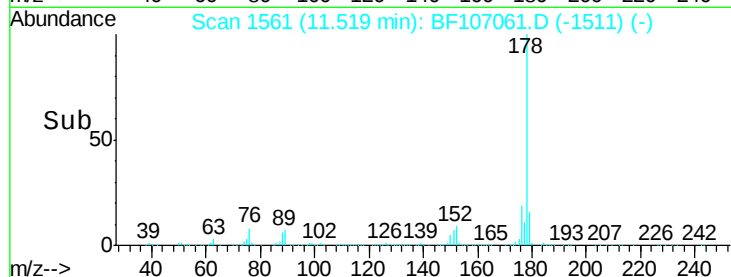
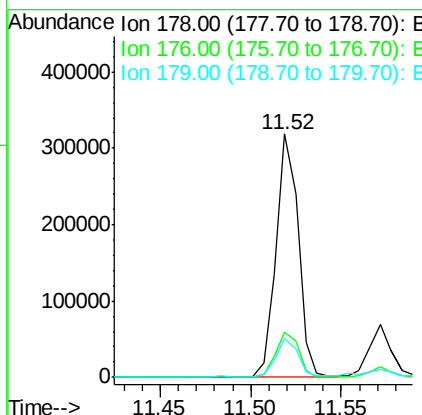
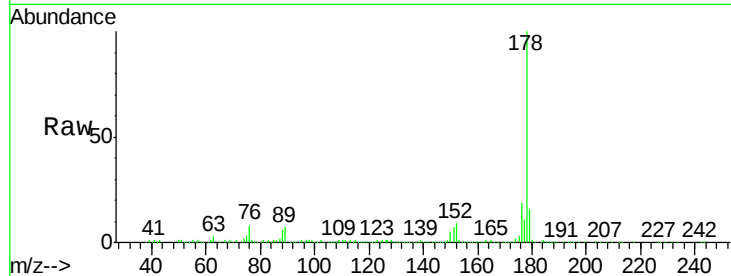
#70
 Phenanthrene
 Concen: 29.040 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 P-1DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.7	13.0	19.6

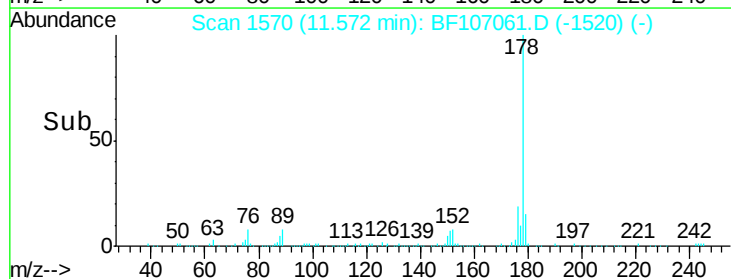
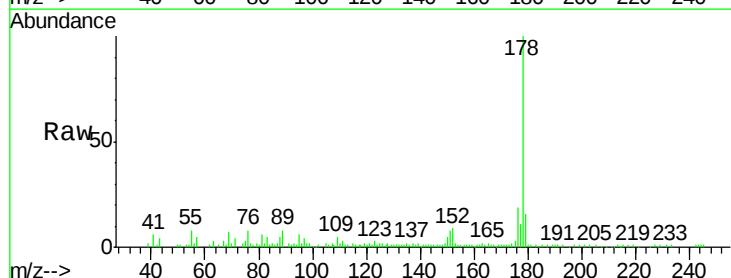
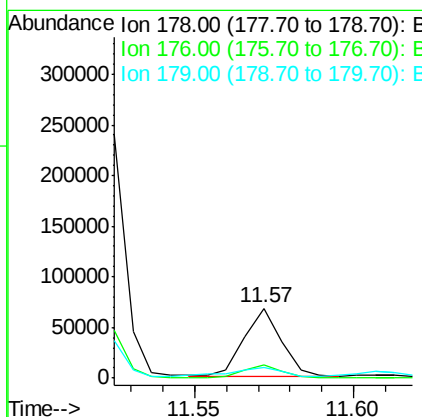
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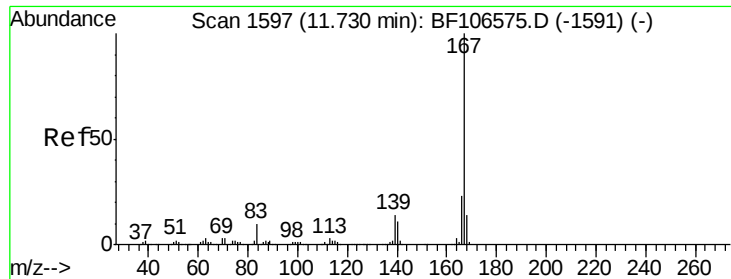
Sohil
 7/3/2018 5:30:12 PM



#71
 Anthracene
 Concen: 5.762 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107061.D
 Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 3.454 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

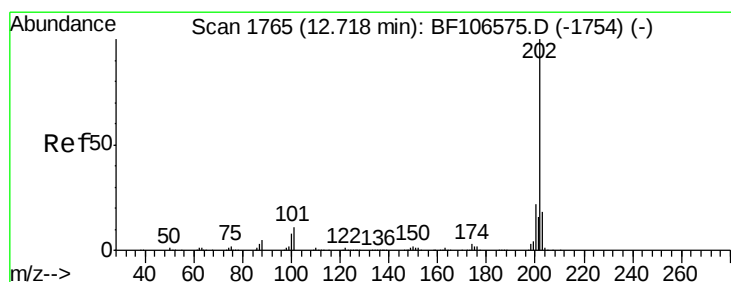
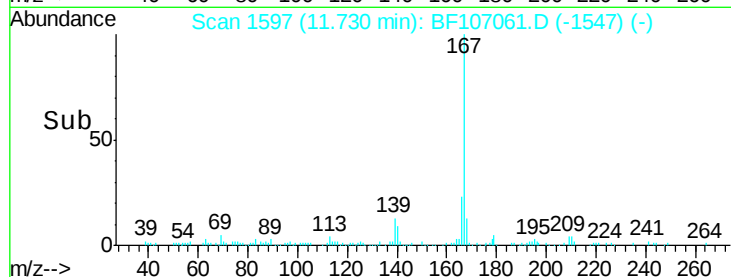
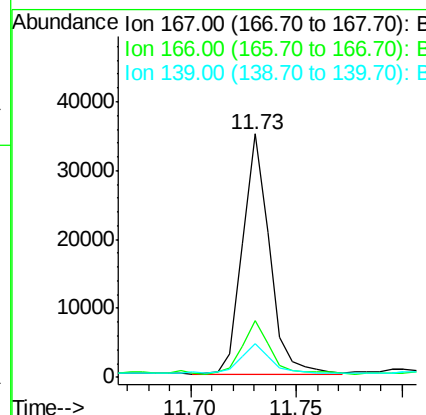
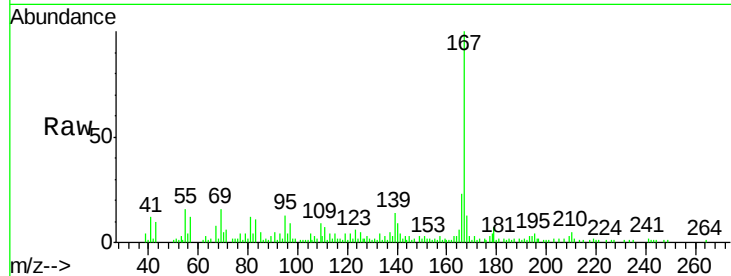
ClientSampleId :

P-1DL

Tgt Ion:	167	Resp:	30920
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	13.9	10.9	16.3

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#74

Fluoranthene

Concen: 52.938 ng

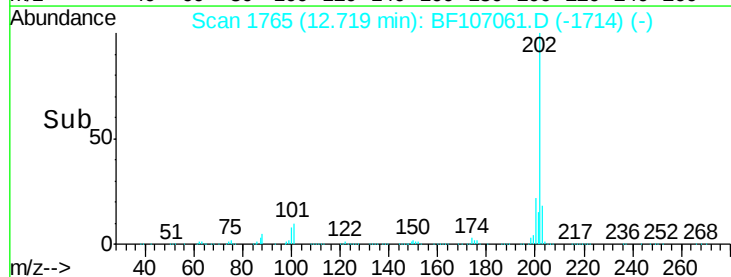
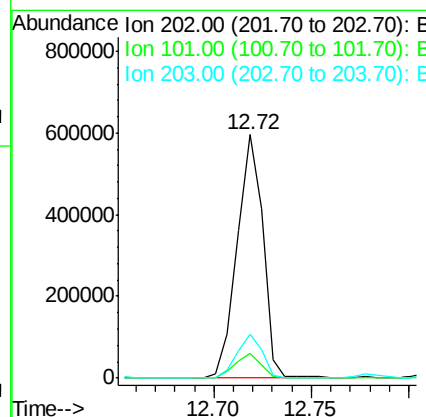
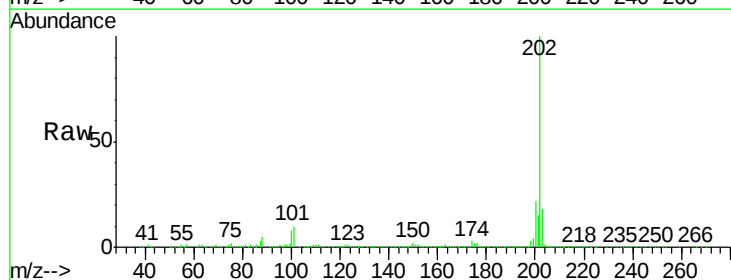
RT: 12.72 min Scan# 1765

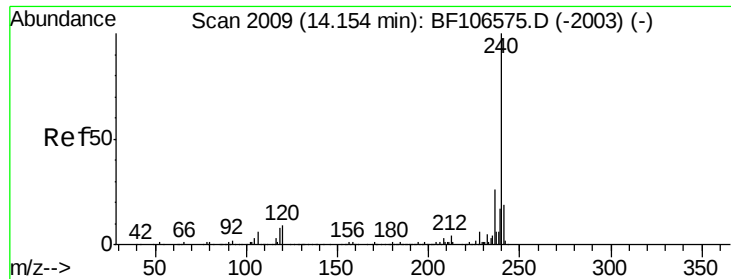
Delta R.T. 0.00 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion:	202	Resp:	546569
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

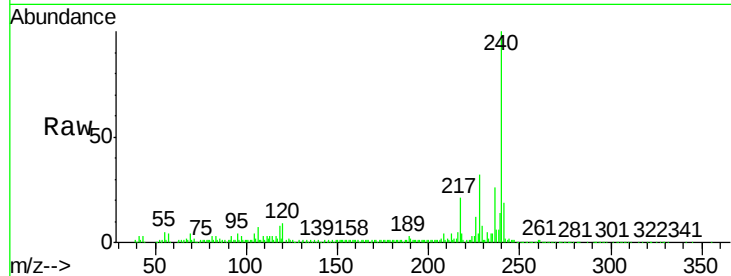
ClientSampleId :

P-1DL

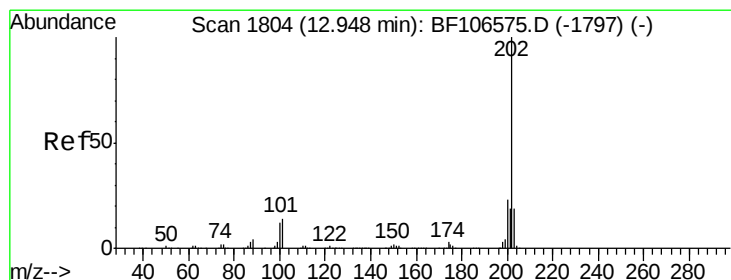
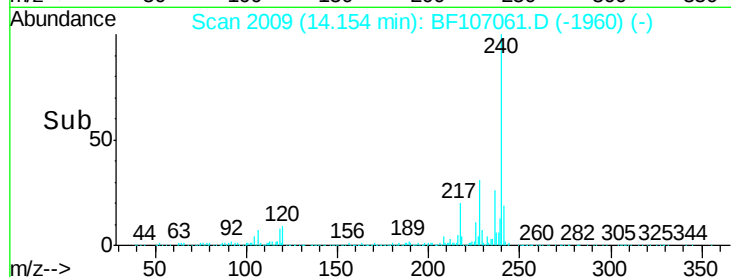
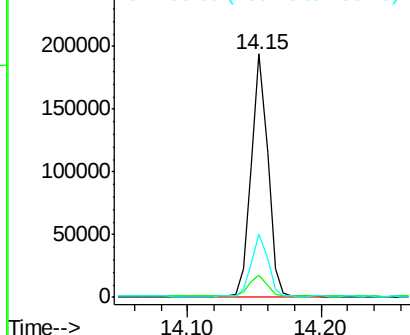
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.9	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 46.866 ng

RT: 12.95 min Scan# 1805

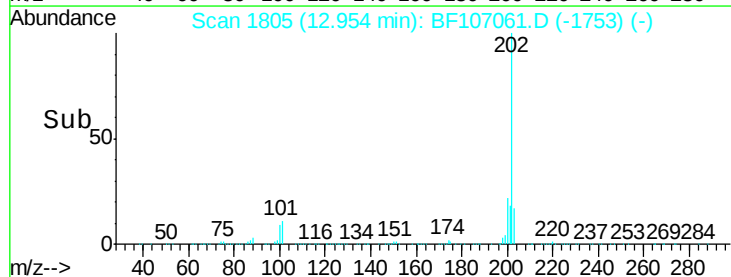
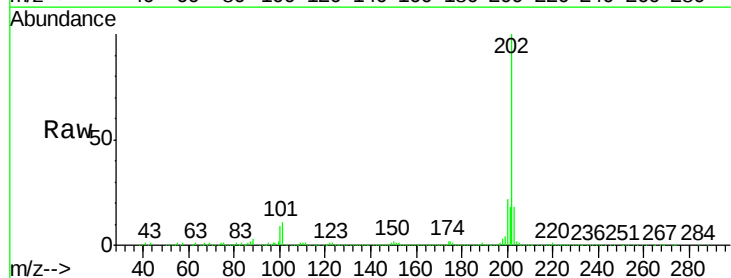
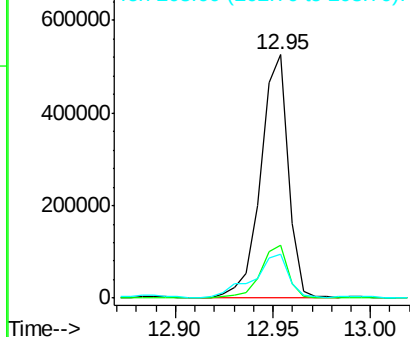
Delta R.T. 0.01 min

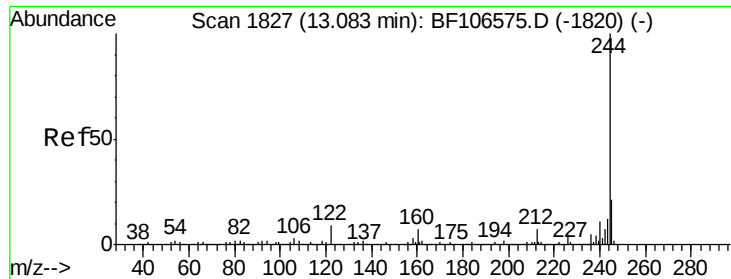
Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.0	14.3	21.5

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: 32.275 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

ClientSampleId :

P-1DL

Tgt Ion:244 Resp: 220820
Ion Ratio Lower Upper

244 100

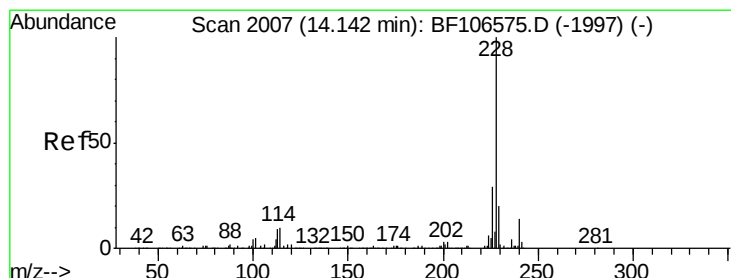
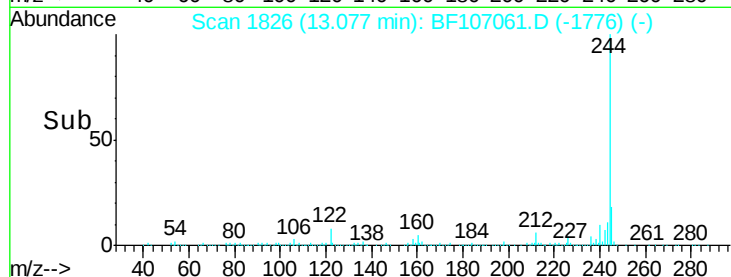
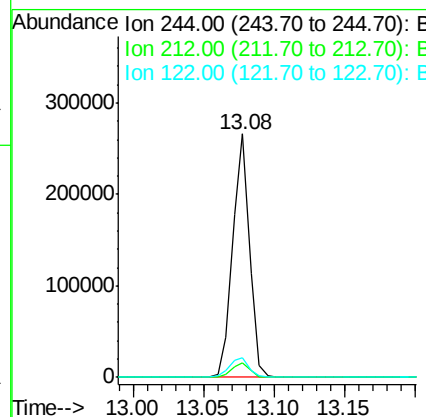
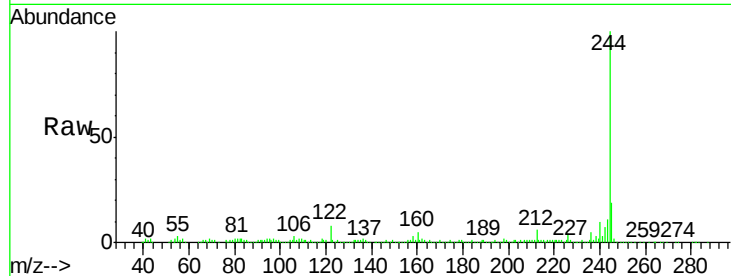
212 5.9 5.4 8.0

122 8.3 11.0 16.4#

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#80

Benzo(a)anthracene

Concen: 26.786 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107061.D

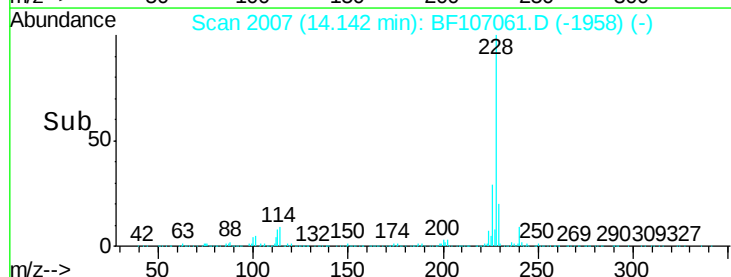
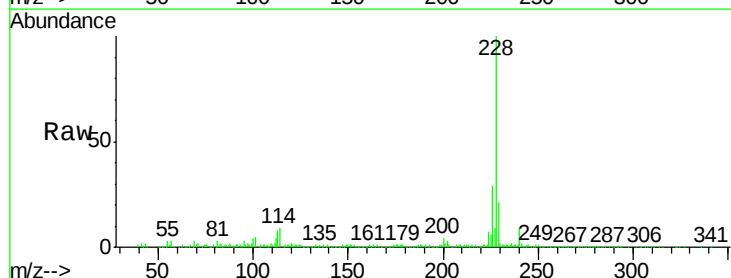
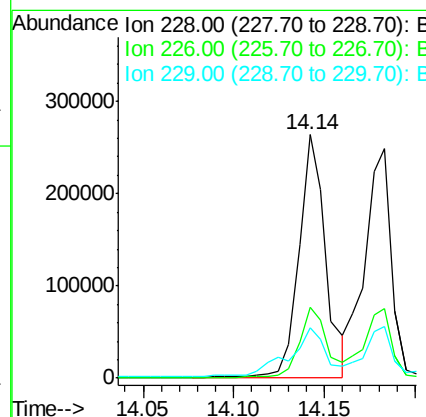
Acq: 3 Jul 2018 00:16

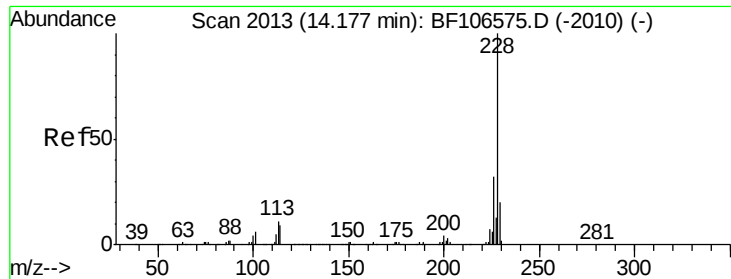
Tgt Ion:228 Resp: 270560
Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 20.8 15.8 23.6





#82

Chrysene

Concen: 27.482 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

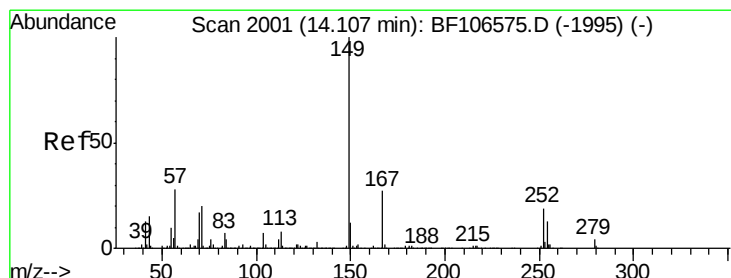
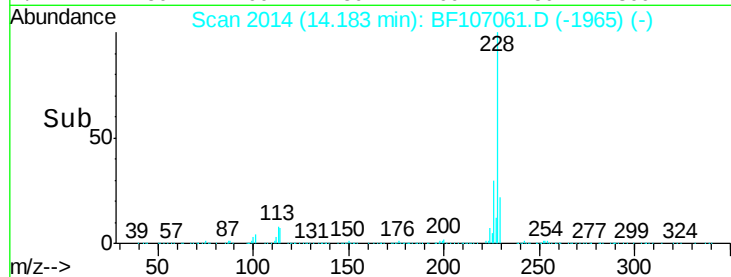
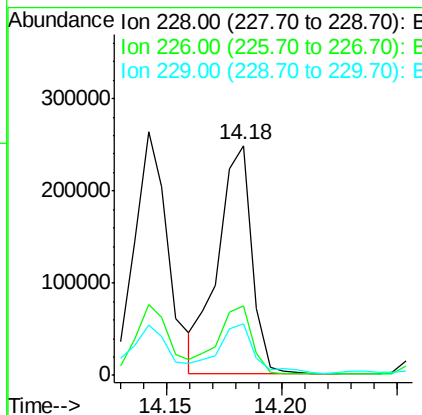
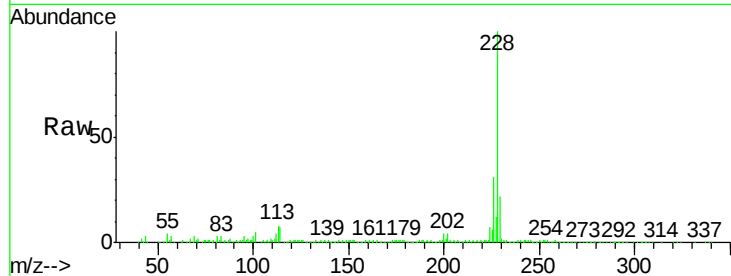
ClientSampled :

P-1DL

Tgt Ion:	228	Resp:	255379
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.5	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.791 ng

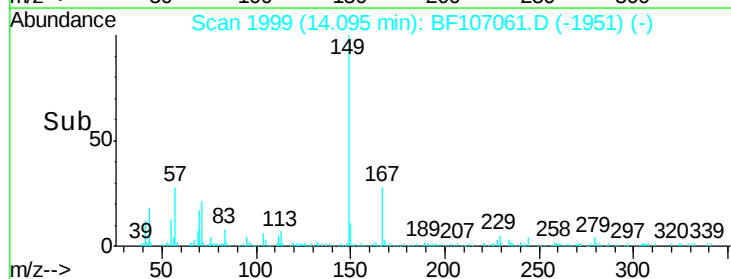
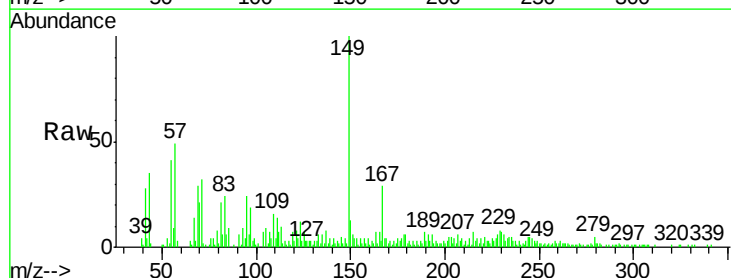
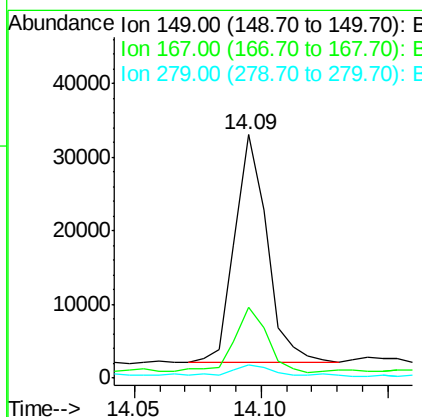
RT: 14.09 min Scan# 1999

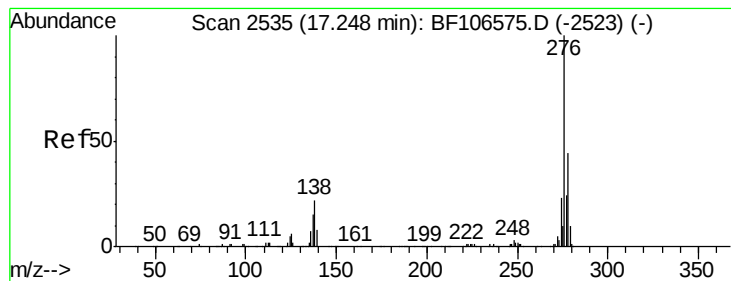
Delta R.T. -0.02 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion:	149	Resp:	27525
Ion Ratio	Lower	Upper	
149	100		
167	29.0	21.3	31.9
279	5.2	3.0	4.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.712 ng

RT: 17.29 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

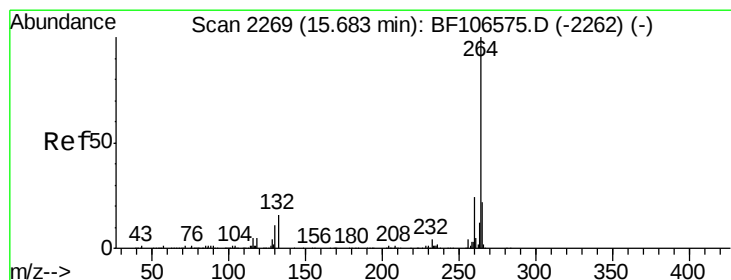
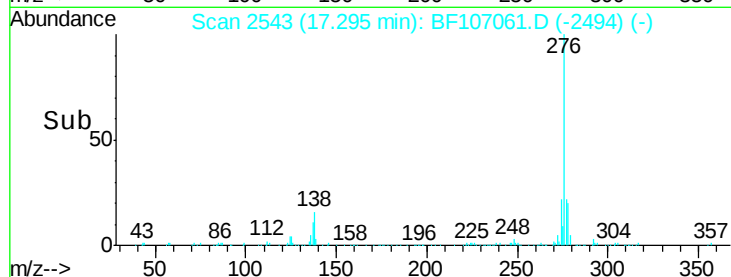
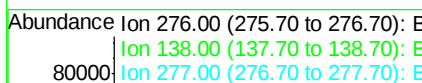
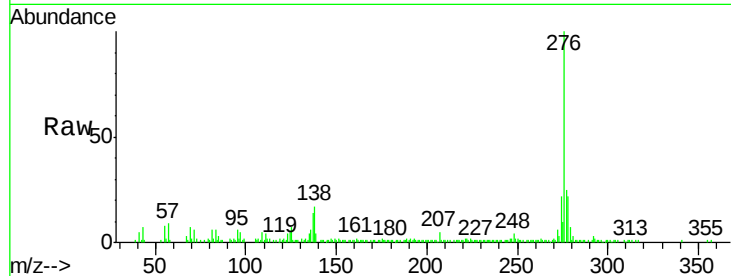
ClientSampleId :

P-1DL

Tgt Ion:	276	Resp:	123901
Ion Ratio		Lower	Upper
276	100		
138	18.3	25.0	37.6#
277	24.3	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

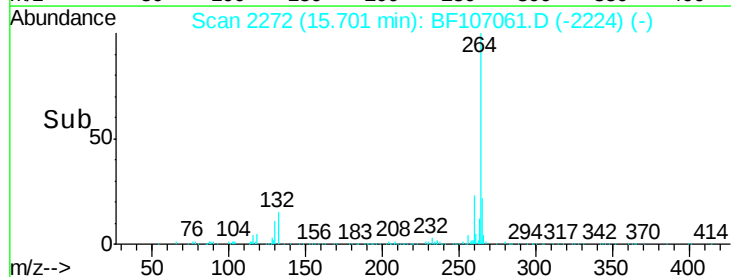
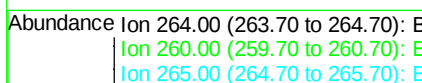
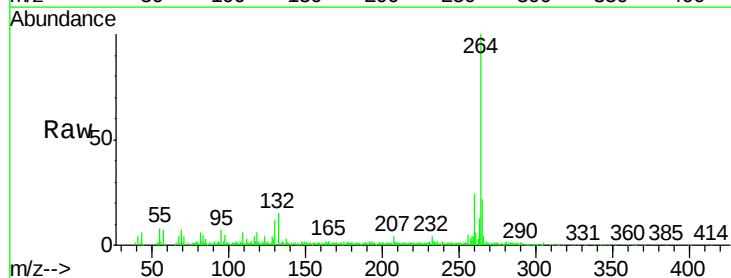
RT: 15.70 min Scan# 2272

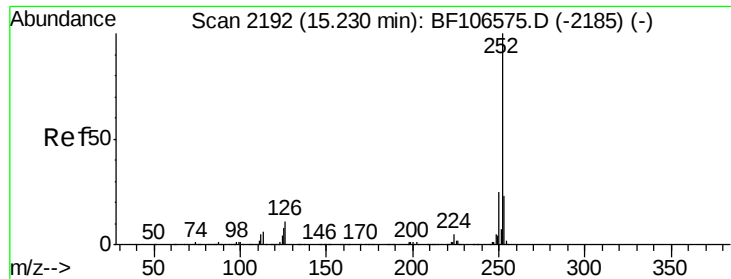
Delta R.T. -0.02 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion:	264	Resp:	128644
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.5	26.3





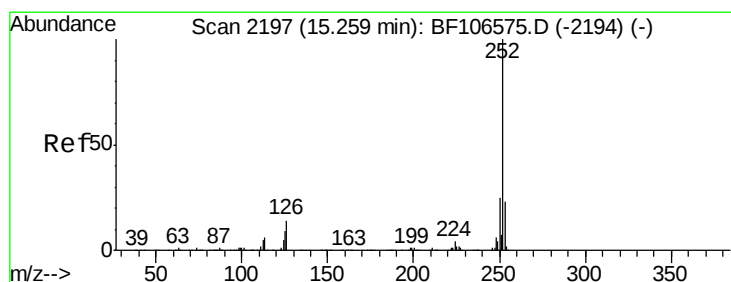
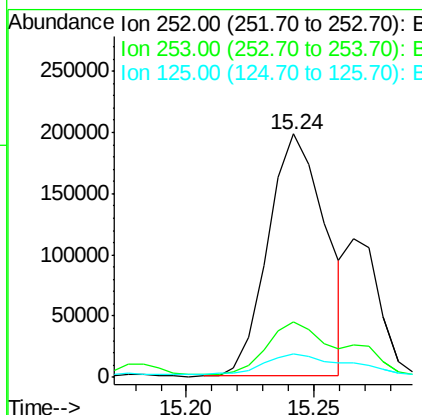
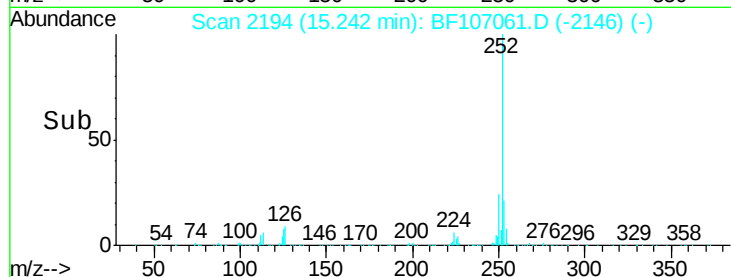
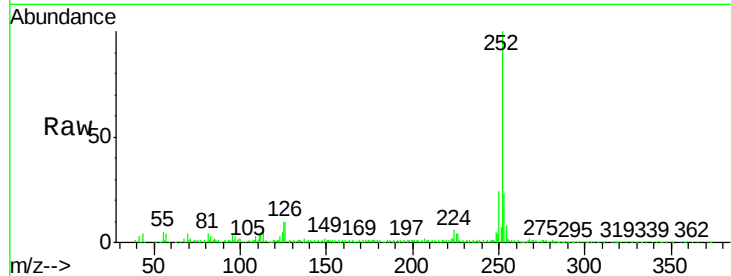
#87
Benzo(b)fluoranthene
Concen: 38.902 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Instrument :
BNA_F
ClientSampled :
P-1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	9.7	9.0	13.6

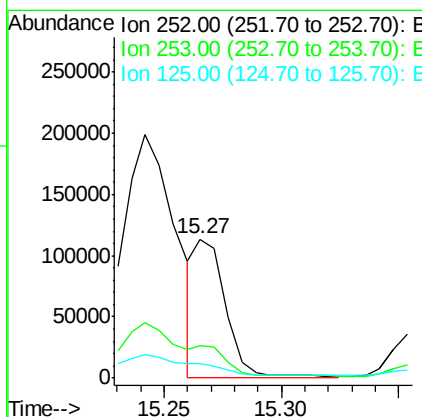
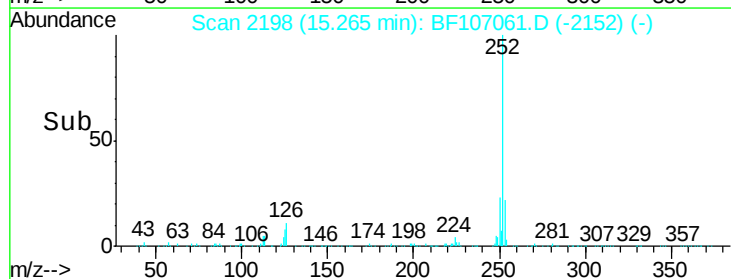
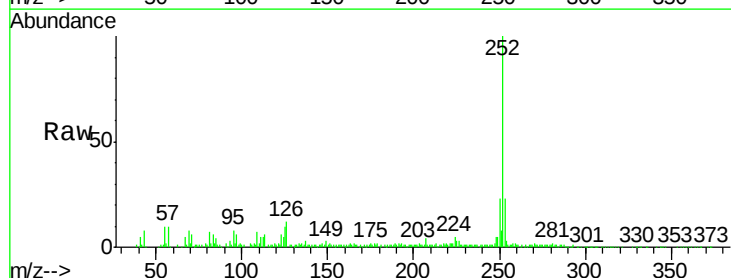
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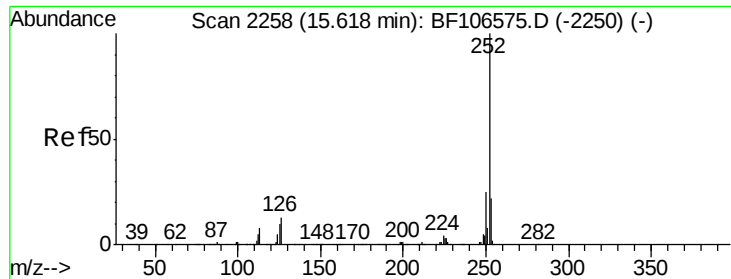
Sohil
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#88
Benzo(k)fluoranthene
Concen: 13.443 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.5	10.2	15.2





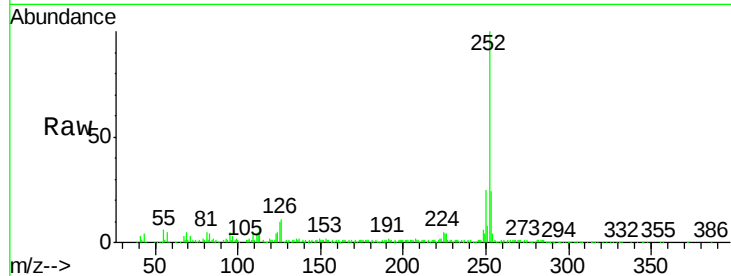
#89
Benzo(a)pyrene
Concen: 27.428 ng m
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Instrument :
BNA_F
ClientSampleId :
P-1DL

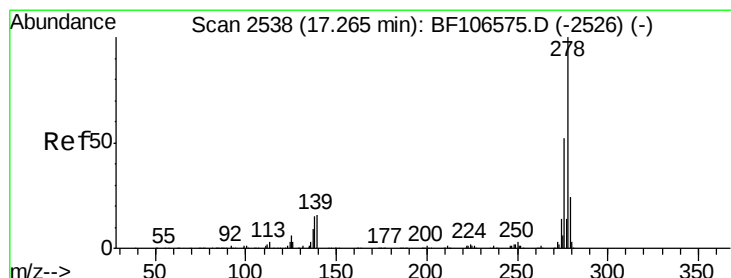
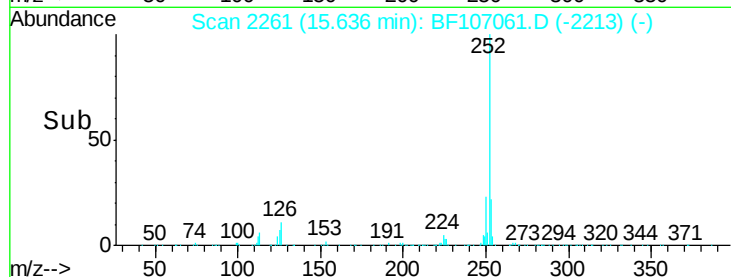
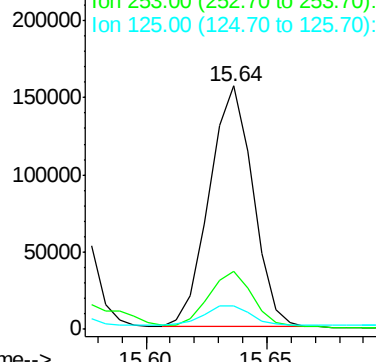
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	9.6	9.8	14.6

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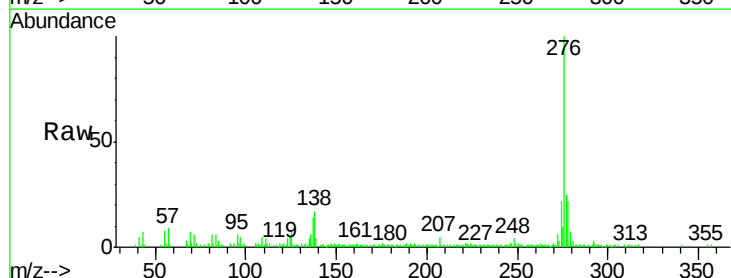


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

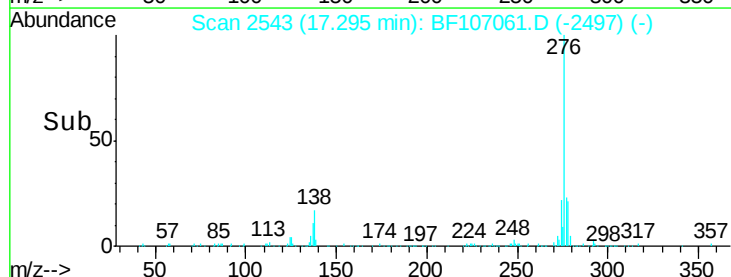
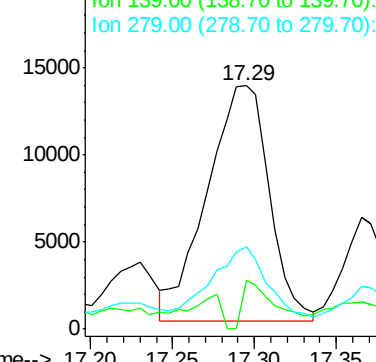


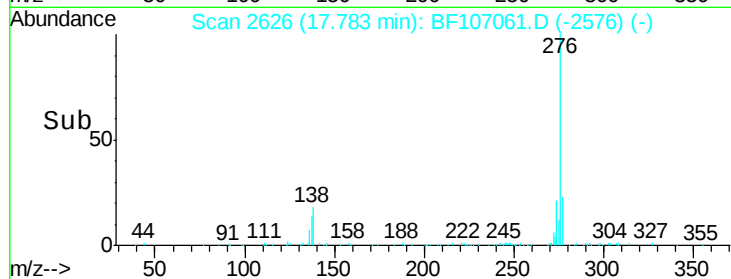
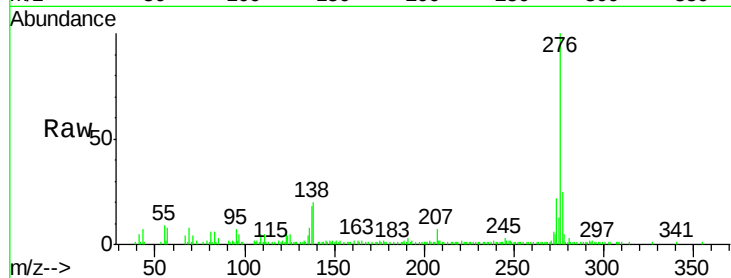
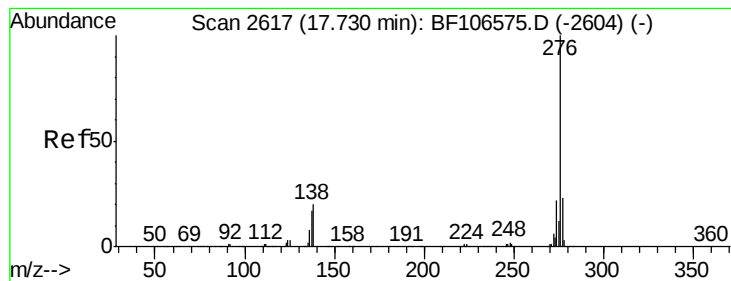
#90
Dibenzo(a,h)anthracene
Concen: 5.950 ng m
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107061.D
Acq: 3 Jul 2018 00:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.9	23.9
279	33.9	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 20.858 ng

RT: 17.78 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA_F

ClientSampleId :

P-1DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		122743		
277	25.2	17.9	26.9		
138	19.7	21.8	32.8		

Manual Integrations
APPROVED

Sohil
7/3/2018 5:30:12 PM

