

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106811.D
 Acq On : 26 Jun 2018 9:29
 Operator : JU/SJ
 Sample : J3626-02DL 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-1DL

Manual Integrations
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Quant Time: Jun 26 12:20:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	44820	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	158926	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	67706	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	125073	20.00	ng	0.00
75) Chrysene-d12	14.15	240	125533	20.00	ng	-0.02
86) Perylene-d12	15.69	264	86933	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	126785	47.90	ng	0.00
7) Phenol-d6	6.60	99	170038	51.44	ng	-0.02
23) Nitrobenzene-d5	7.52	82	100094	35.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	29326	37.37	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	189449	39.46	ng	-0.01
78) Terphenyl-d14	13.08	244	221424	42.73	ng	0.00

Target Compounds				Qvalue		
20) 3+4-Methylphenols	7.38	107	284	Below Cal	#	60
31) Naphthalene	8.27	128	28557	3.843	ng	99
37) 2-Methylnaphthalene	8.95	142	26317	5.344	ng	95
45) 1,1'-Biphenyl	9.42	154	12240	2.268	ng	96
49) Dimethylphthalate	9.71	163	19985	3.936	ng	99
51) Acenaphthene	10.03	154	54886	12.998	ng	97
54) Dibenzofuran	10.21	168	66069	11.427	ng	94
57) Fluorene	10.55	166	56953	12.413	ng	99
70) Phenanthrene	11.52	178	370213	61.370	ng	99
71) Anthracene	11.57	178	56247	9.135	ng	99
72) Carbazole	11.72	167	19207	3.332	ng	98
74) Fluoranthene	12.71	202	306134	46.042	ng	95
77) Pvrene	12.94	202	219594	26.527	ng	99
80) Benzo(a)anthracene	14.14	228	57207	7.477	ng	99
82) Chrysene	14.17	228	48420	6.879	ng	96
87) Benzo(b)fluoranthene	15.23	252	29286m	5.423	ng	
89) Benzo(a)pvrene	15.62	252	13965	2.909	ng	96

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

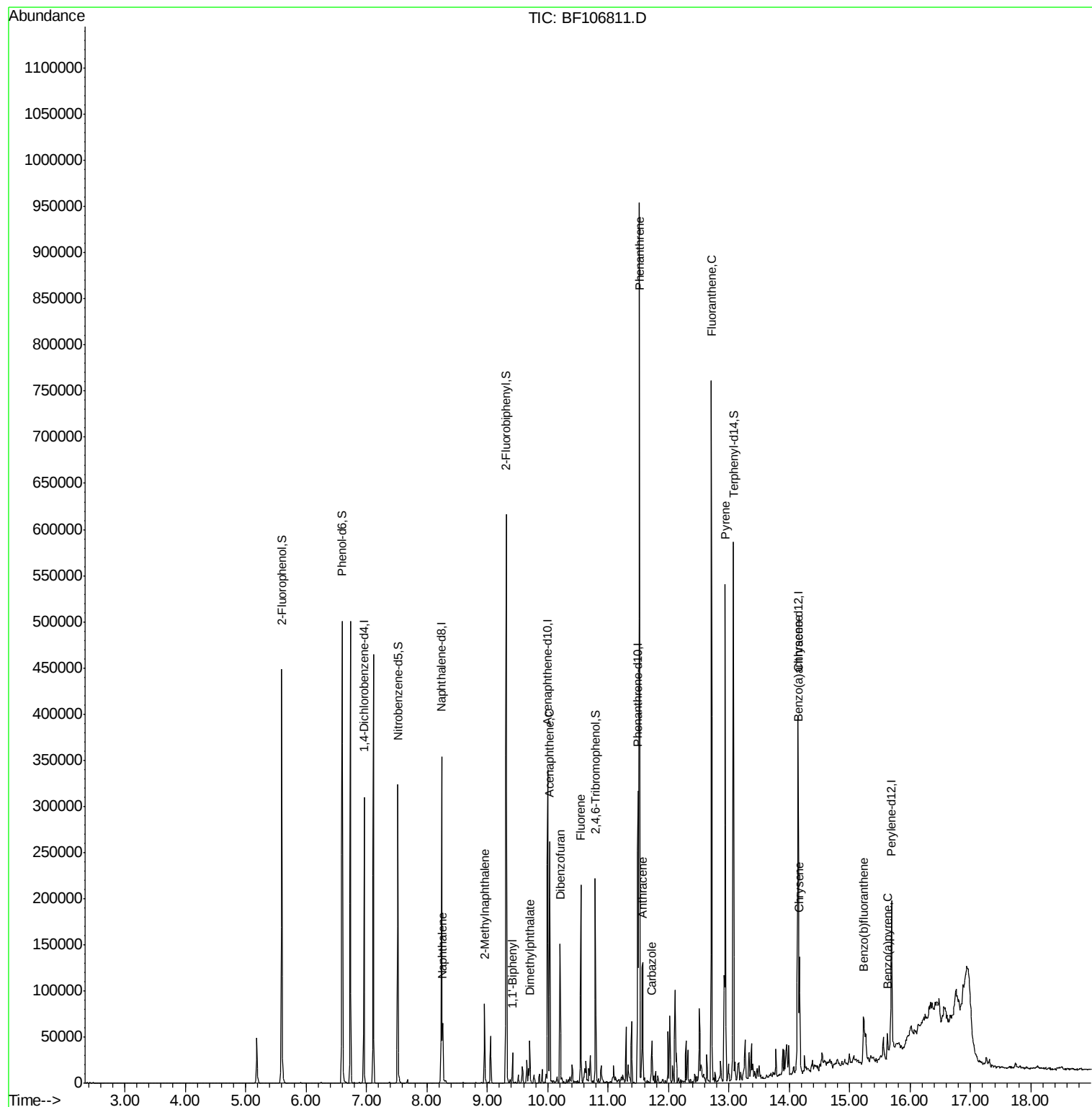
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106811.D
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ALS Vial : 39 Sample Multiplier: 1

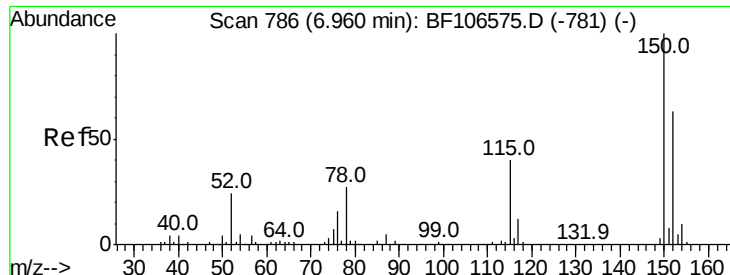
Instrument :
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#1

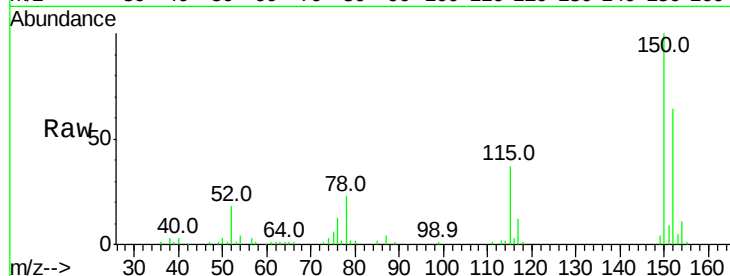
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Instrument :
BNA_F
ClientSampled :
A-1DL

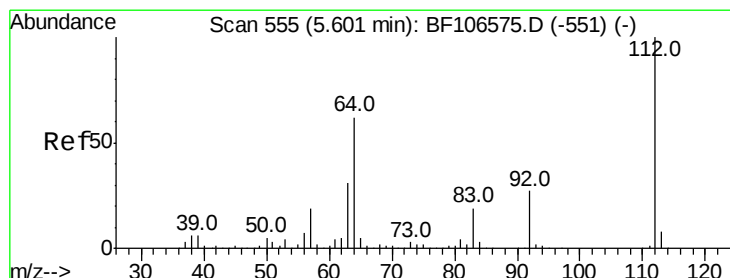
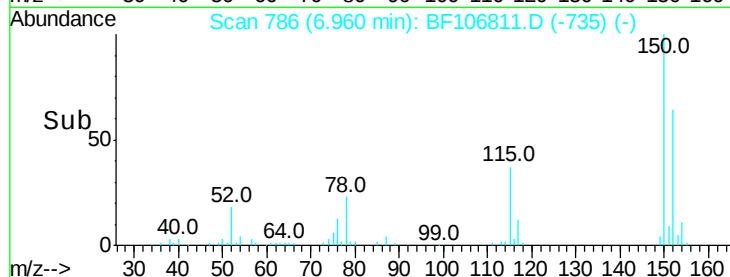
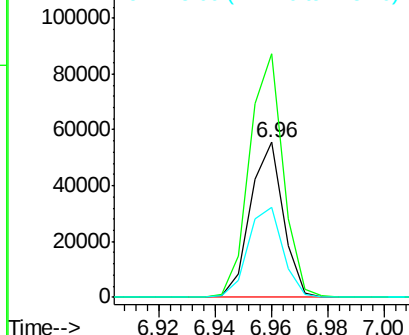
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	57.6	50.1	75.1

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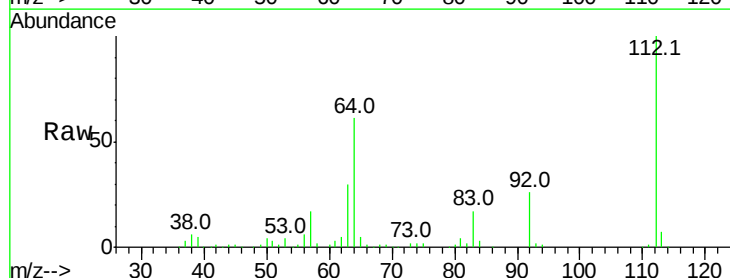
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



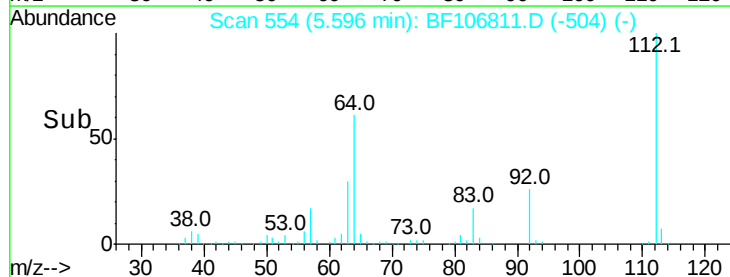
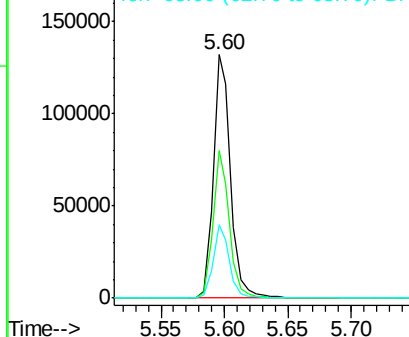
#5

2-Fluorophenol
Concen: 47.900 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	29.9	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: 51.442 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Instrument :

BNA_F

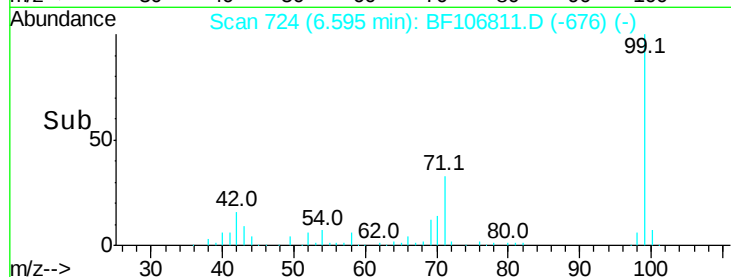
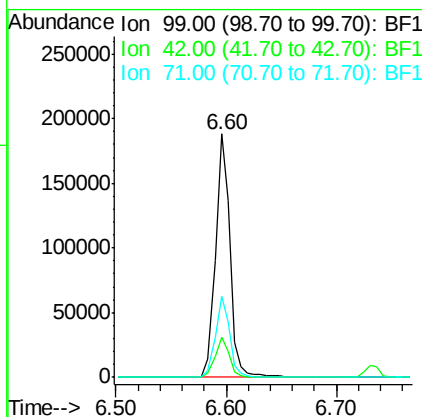
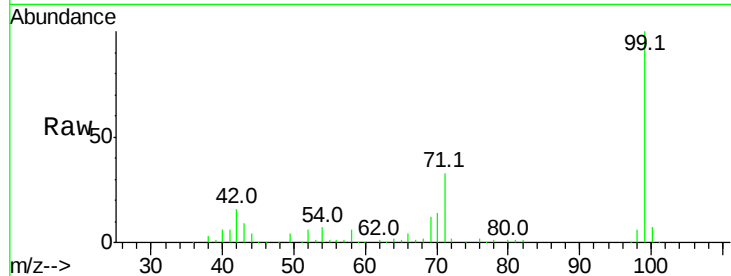
ClientSampled :

A-1DL

Tot Ion:	99	Resp:	170038
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

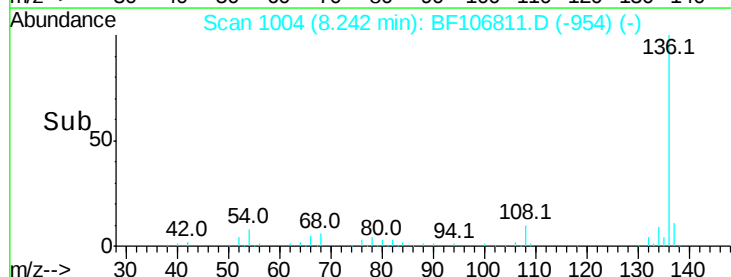
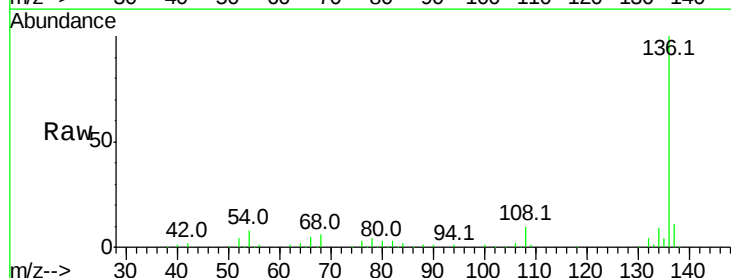
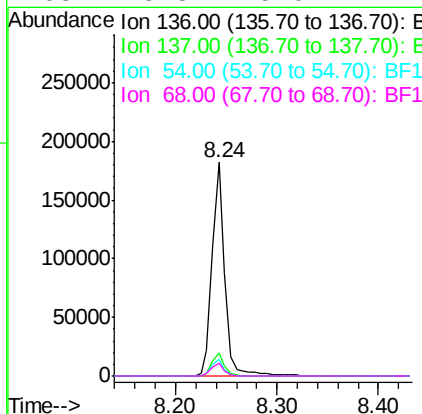
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Tgt Ion:	136	Resp:	158926
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.8	5.0	7.4





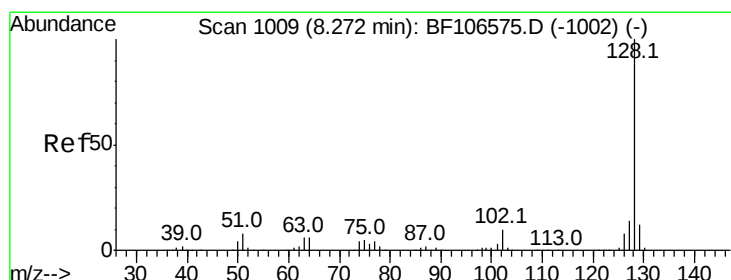
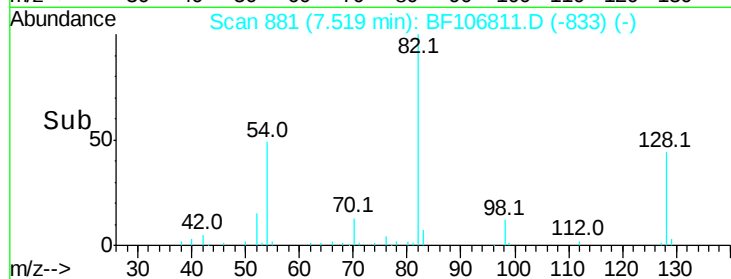
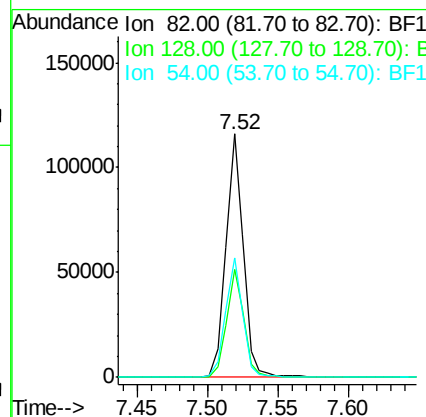
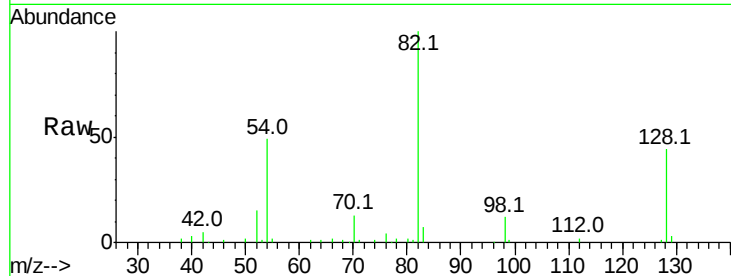
#23
 Nitrobenzene-d5
 Concen: 35.001 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	36.1	54.1	
54	48.9	41.4	62.2	

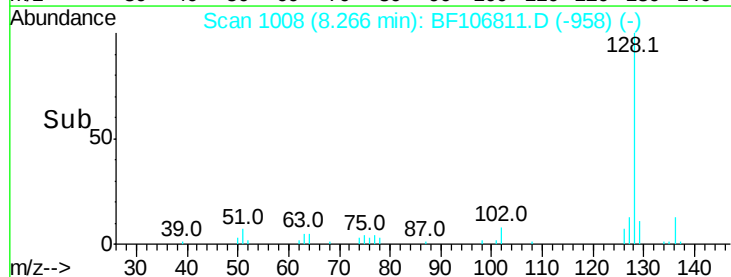
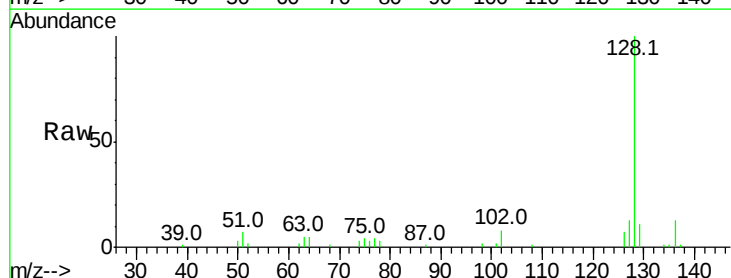
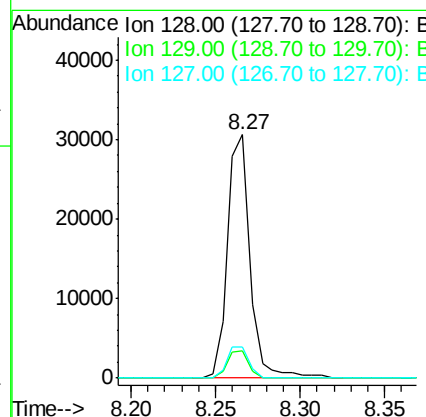
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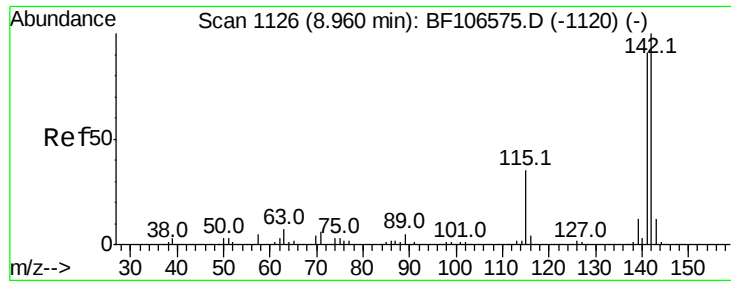
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#31
 Naphthalene
 Concen: 3.843 ng
 RT: 8.27 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	13.0	10.9	16.3	





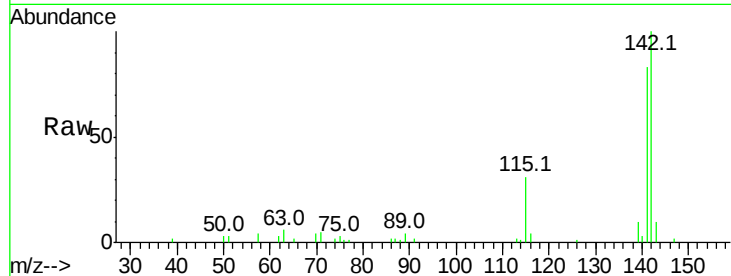
#37
2-Methylnaphthalene
Concen: 5.344 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Instrument :
BNA_F
ClientSampleId :
A-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.3	70.8	106.2
115	30.9	26.1	39.1

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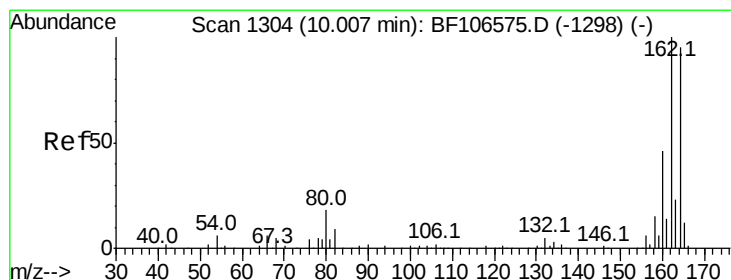
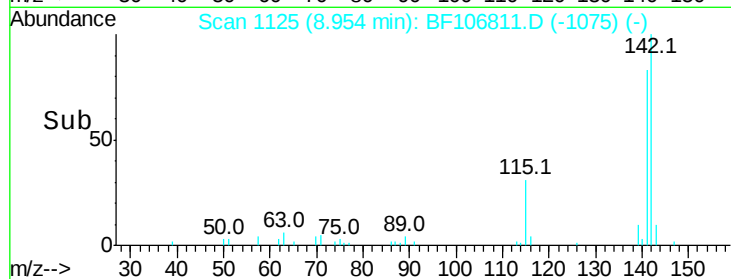
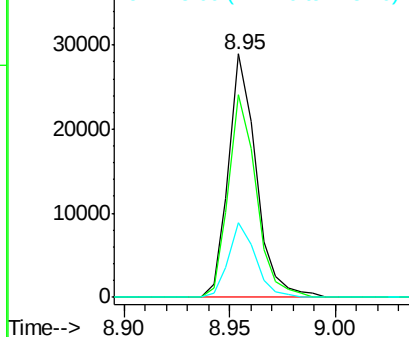


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

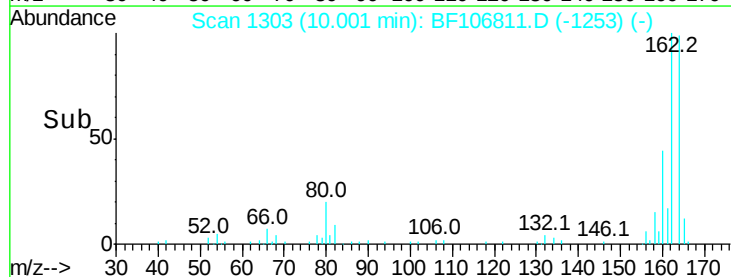
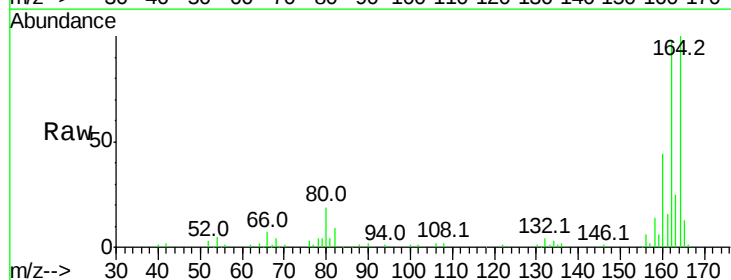
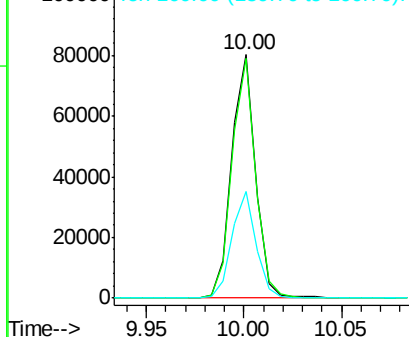
Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	86.1	129.1
160	43.7	38.3	57.5

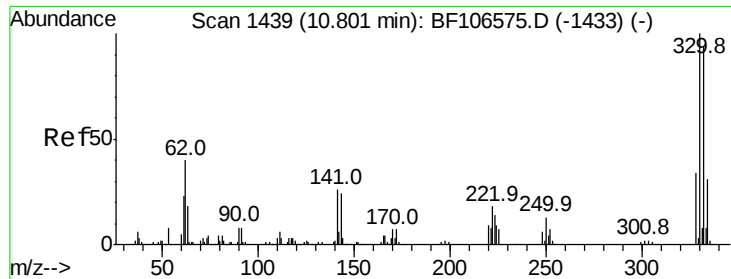
Abundance

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





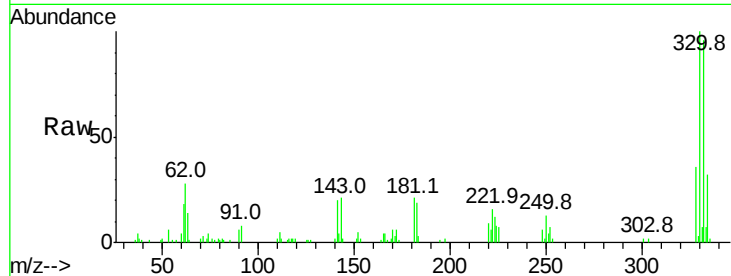
#41
 2,4,6-Tribromophenol
 Concen: 37.371 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Instrument :
 BNA_F
 ClientSampled :
 A-1DL

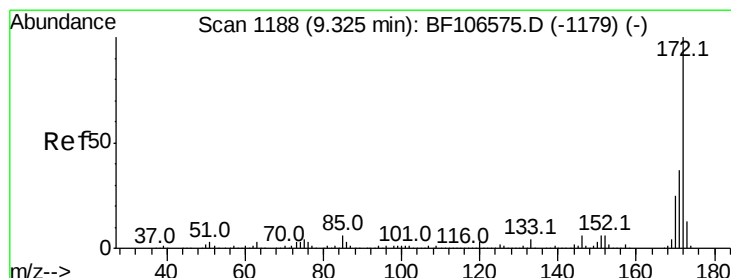
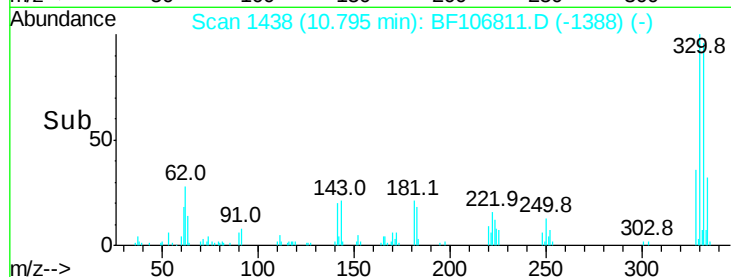
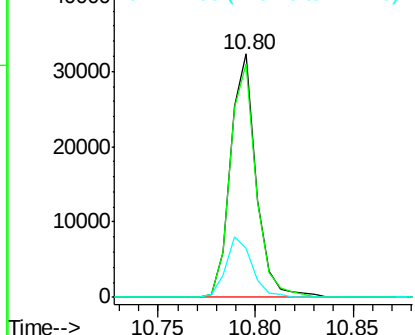
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.0	115.6	
141	25.2	29.9	44.9	

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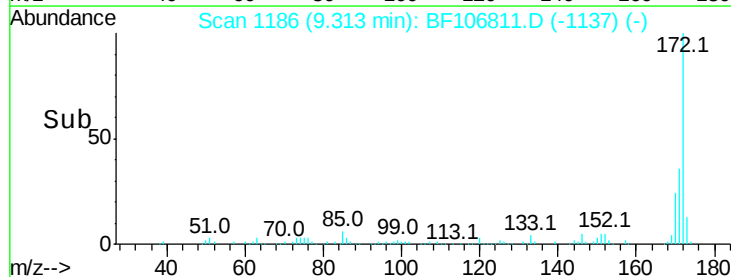
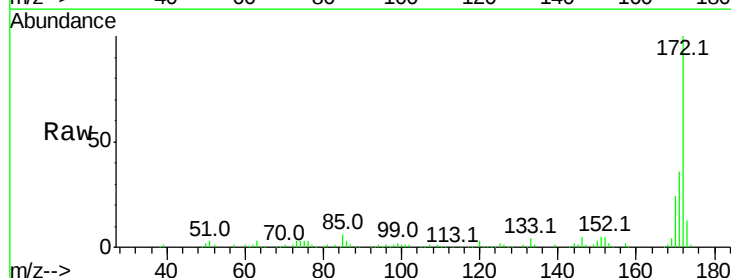
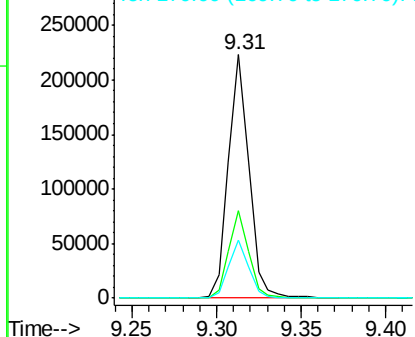
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

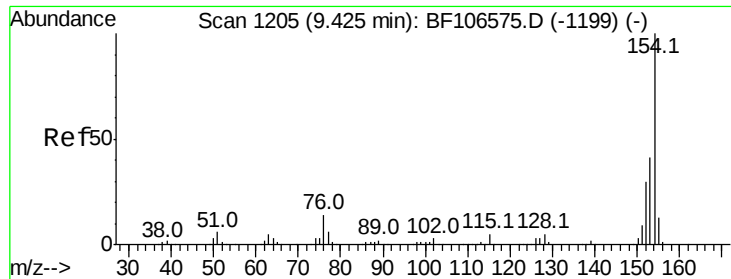


#44
 2-Fluorobiphenyl
 Concen: 39.458 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	24.0	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





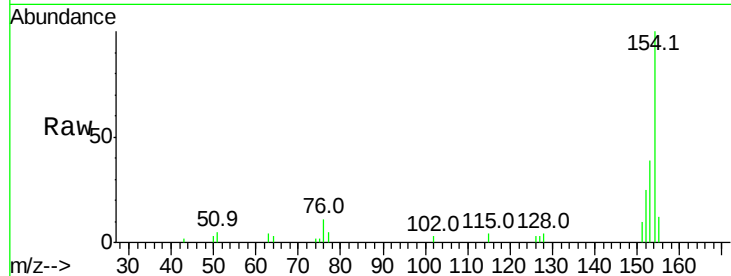
#45
 1,1'-Biphenyl
 Concen: 2.268 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Instrument :
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 A-1DL

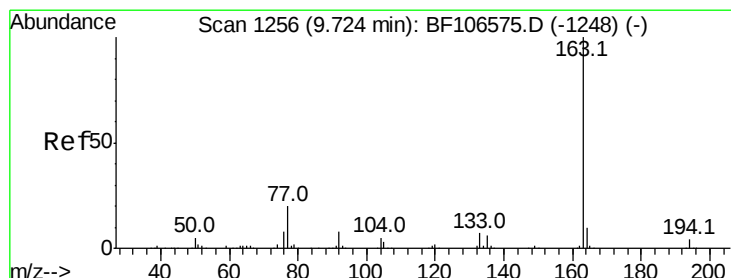
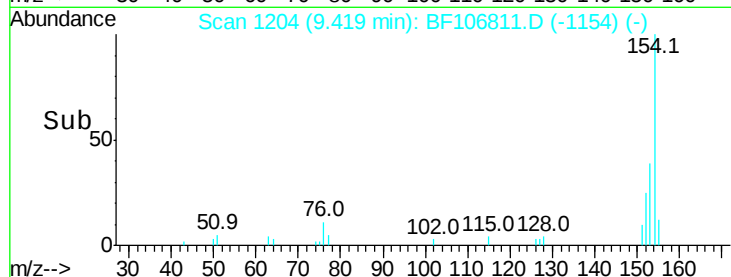
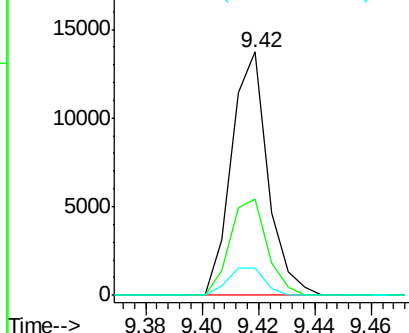
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.3	61.3
76	11.4	0.0	34.0

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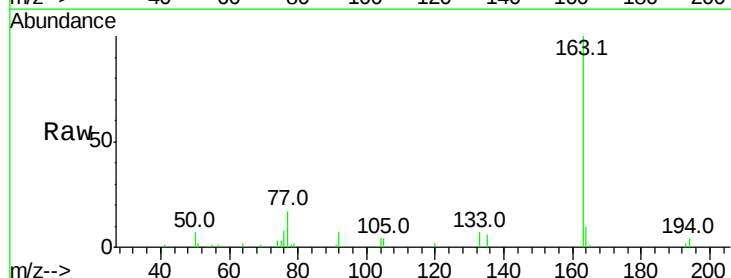


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

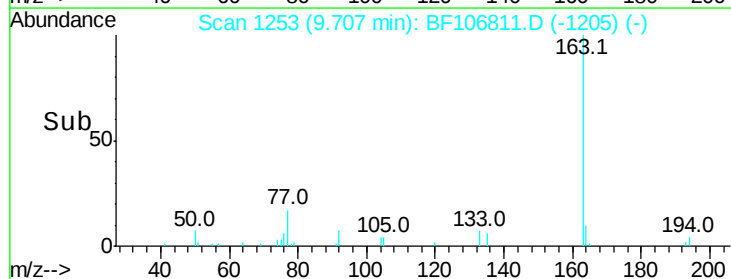
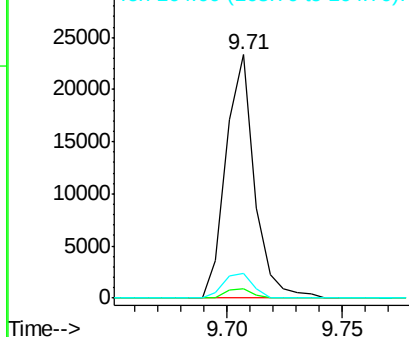


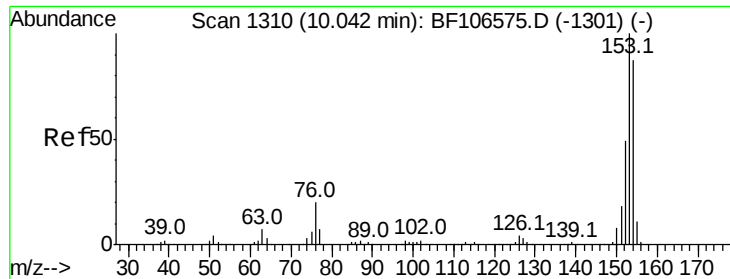
#49
 Dimethylphthalate
 Concen: 3.936 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2



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





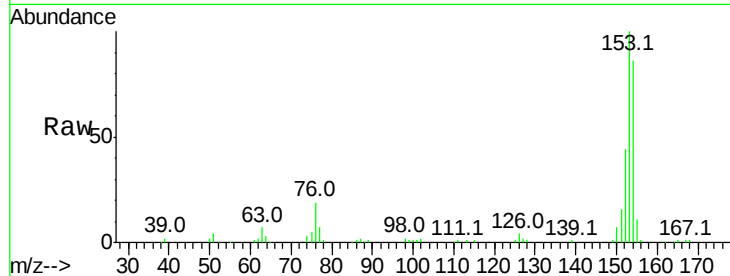
#51
Acenaphthene
Concen: 12.998 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Instrument :
BNA_F
ClientSampled :
A-1DL

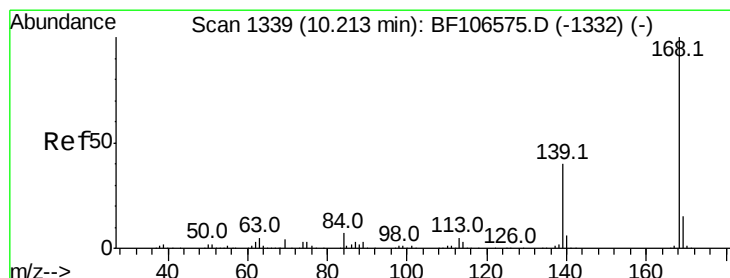
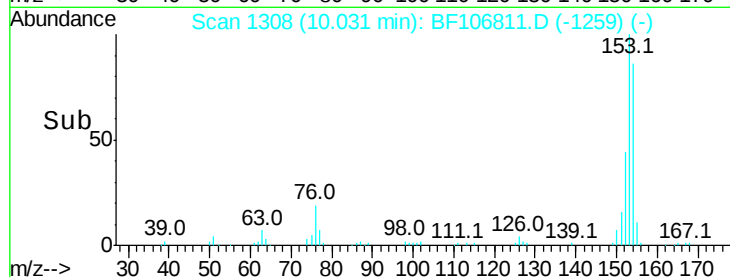
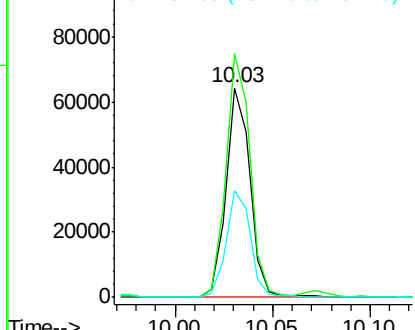
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.2	136.8
152	51.3	43.8	65.8

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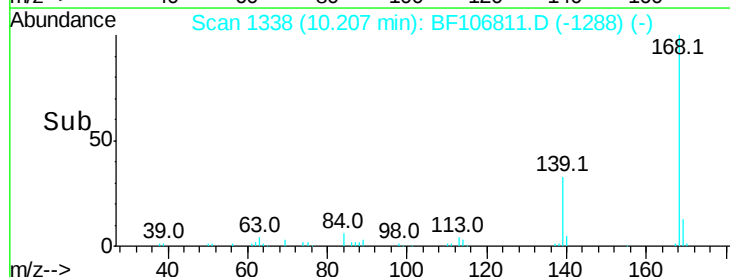
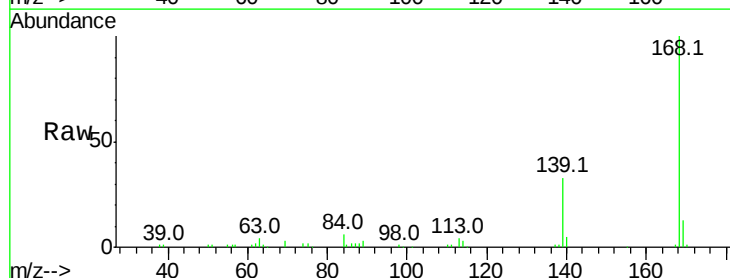
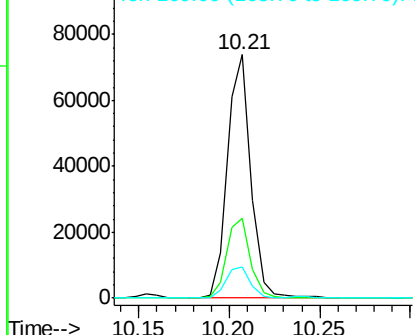
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

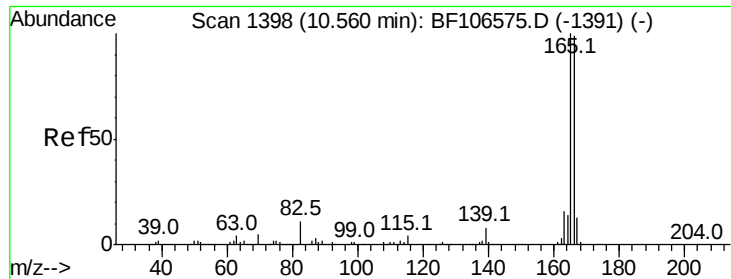


#54
Dibenzofuran
Concen: 11.427 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.8	30.1	45.1
169	13.1	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 12.413 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Instrument :

BNA_F

ClientSampleId :

A-1DL

Tot Ion:166 Resp: 56953

Ion Ratio Lower Upper

166 100

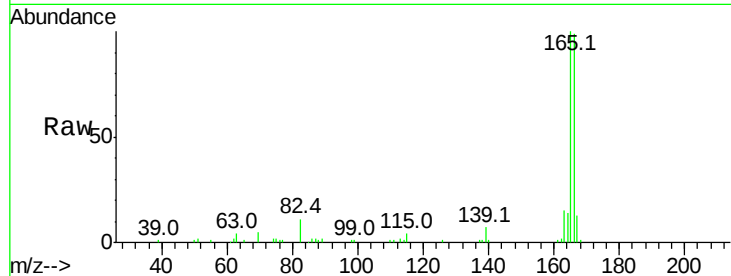
165 101.0 79.8 119.8

167 13.5 10.6 16.0

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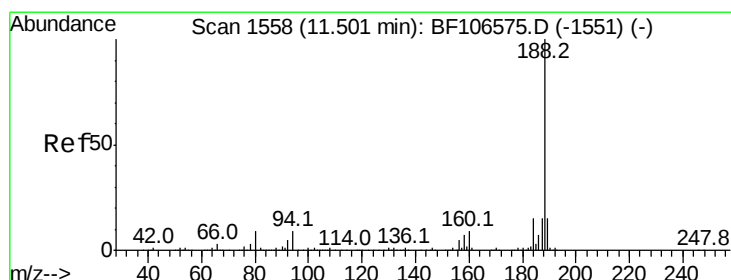
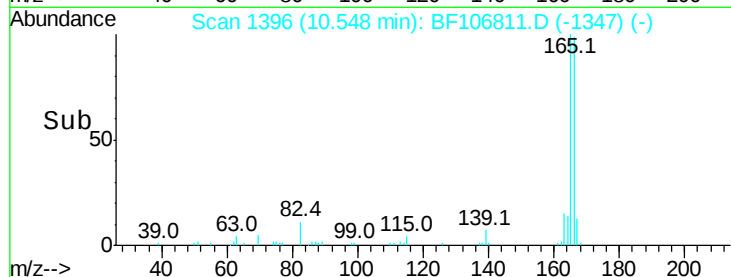
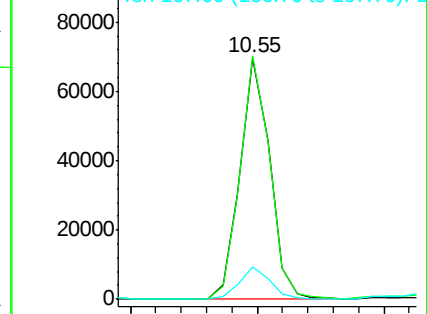
6/27/2018 10:56:05 AM



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: BF106811.D

Acq: 26 Jun 2018 9:29

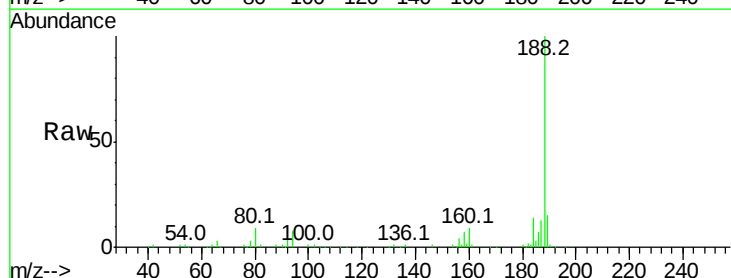
Tgt Ion:188 Resp: 125073

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

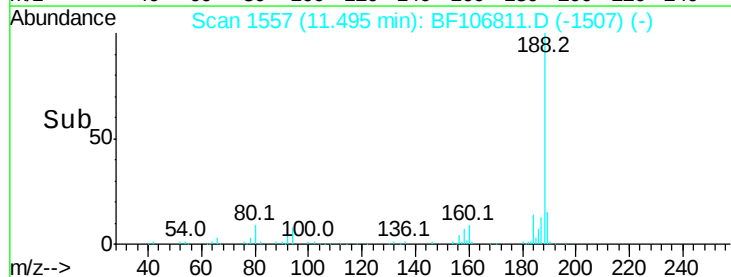
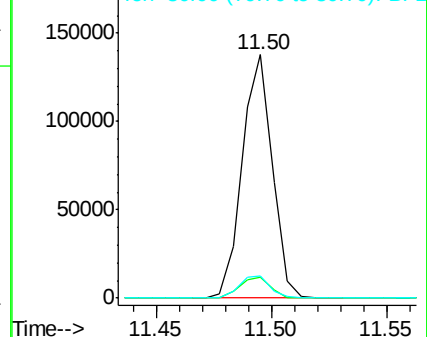
80 9.3 9.2 13.8

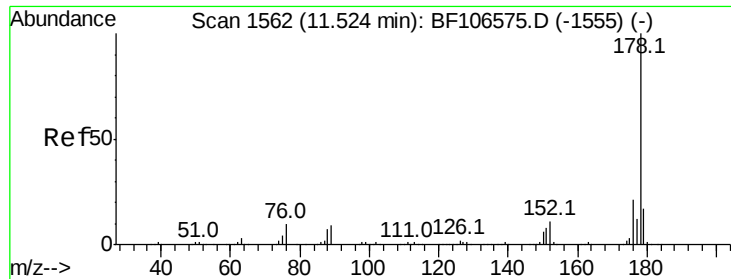


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





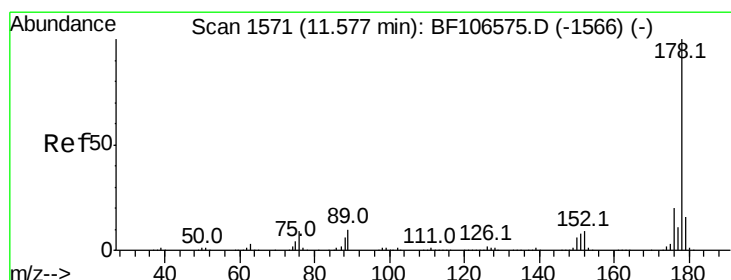
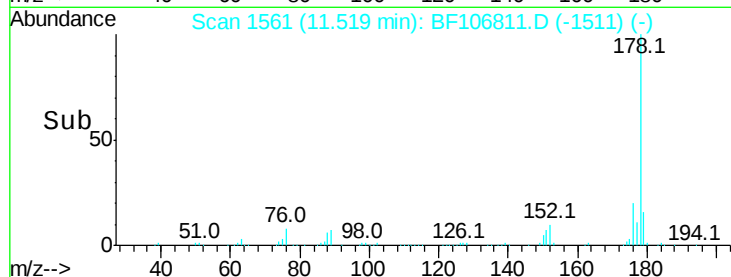
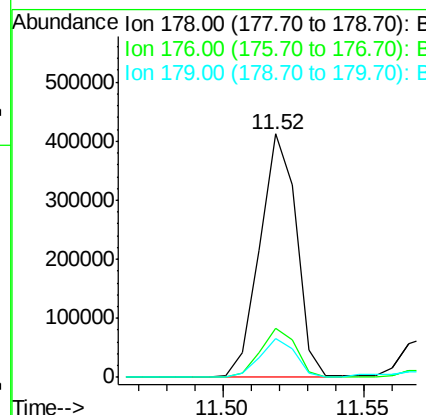
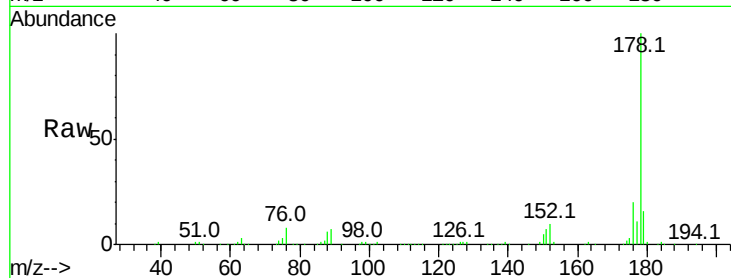
#70
Phenanthrene
Concen: 61.370 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Instrument :
BNA_F
ClientSampleID :
A-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.0	13.0	19.6

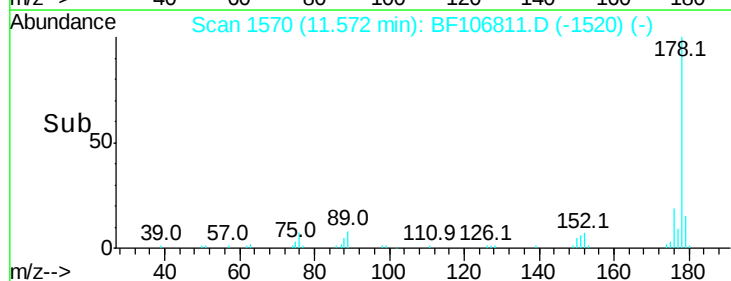
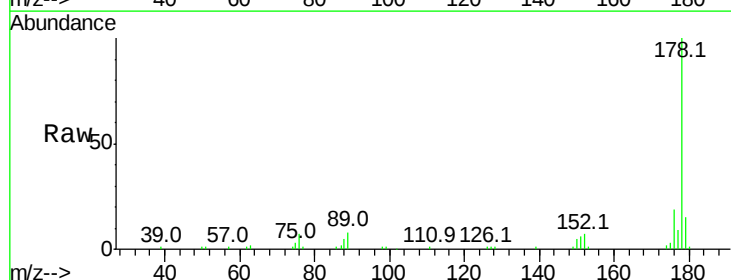
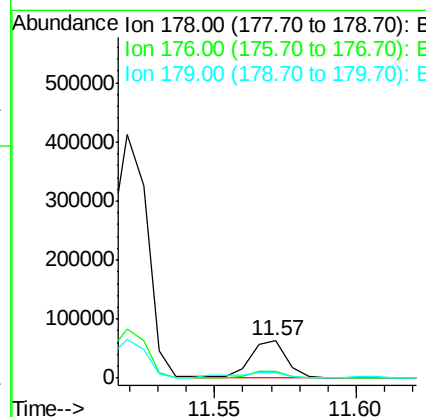
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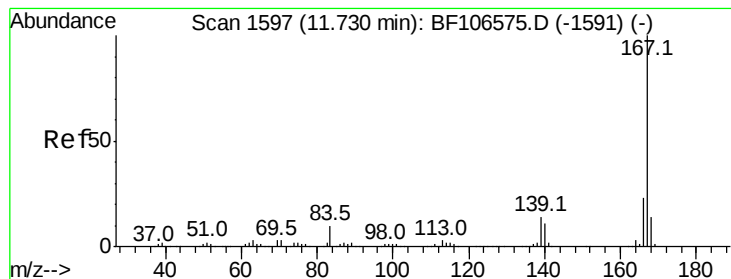
Sohil
6/27/2018 10:56:05 AM



#71
Anthracene
Concen: 9.135 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 3.332 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Instrument :

BNA_F

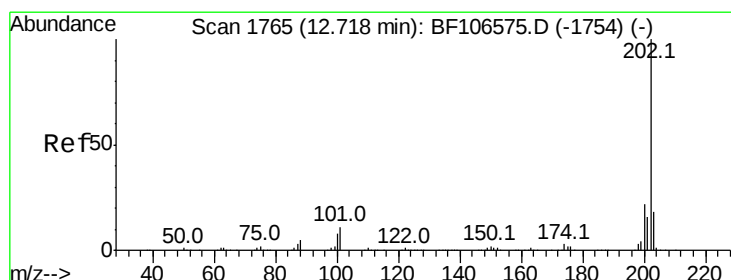
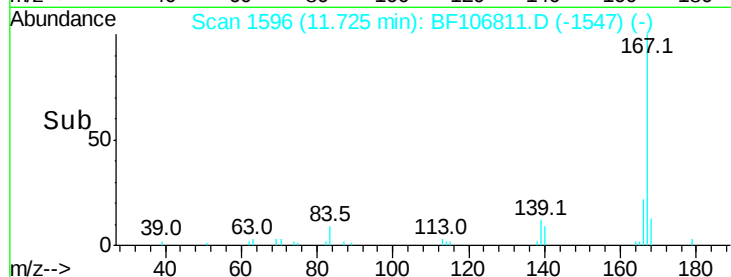
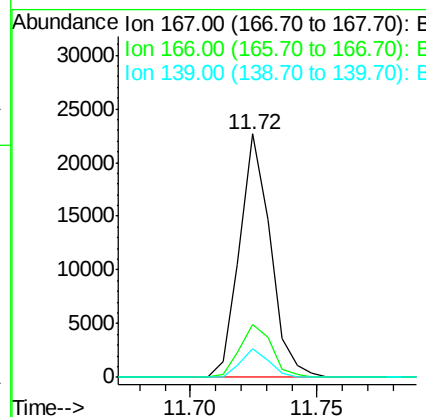
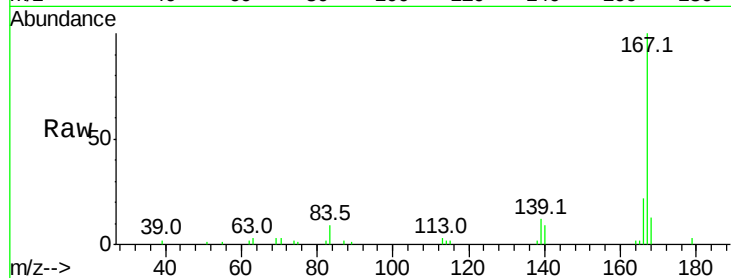
ClientSampleId :

A-1DL

Tot Ion:	167	Resp:	19207
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	11.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 46.042 ng

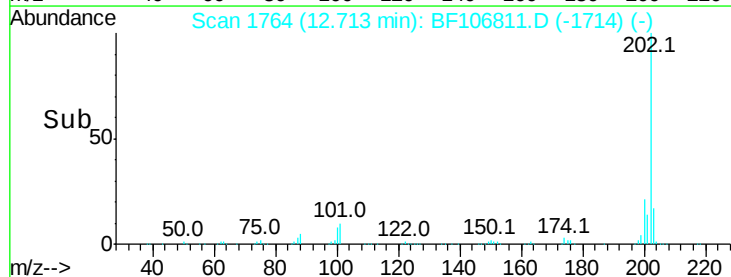
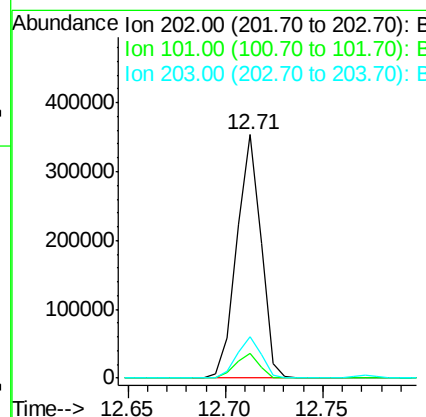
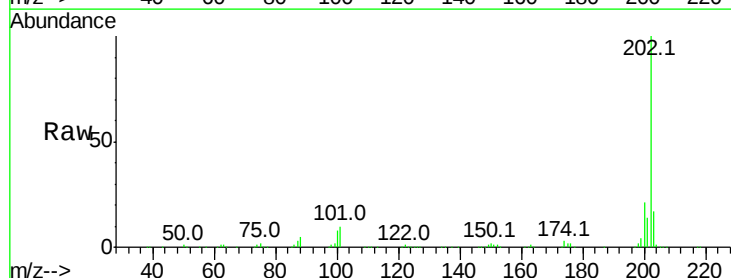
RT: 12.71 min Scan# 1764

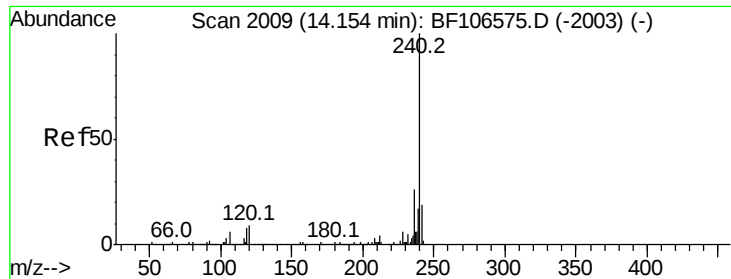
Delta R.T. -0.01 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Tgt Ion:	202	Resp:	306134
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	17.0	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: BF106811.D

Acq: 26 Jun 2018 9:29

Instrument :

BNA_F

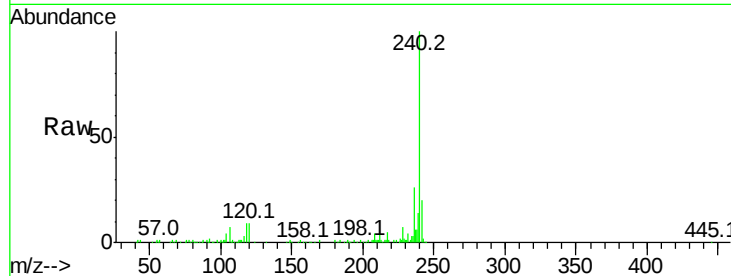
ClientSampleId :

A-1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.0	20.7	31.1

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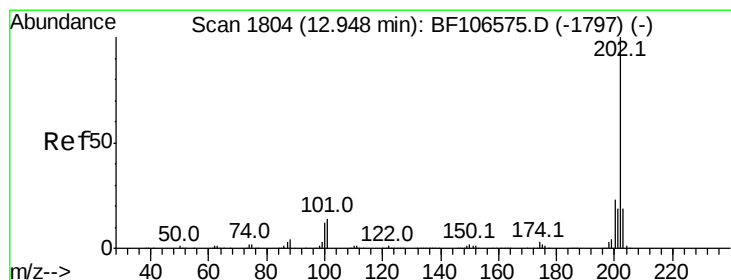
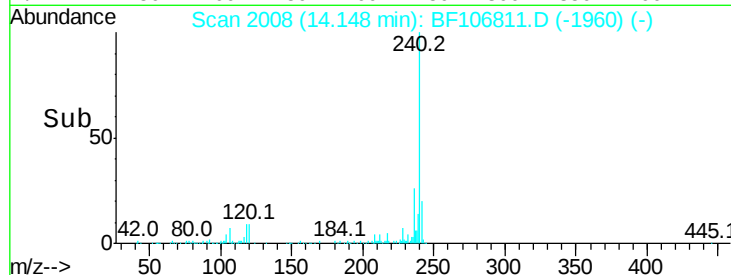
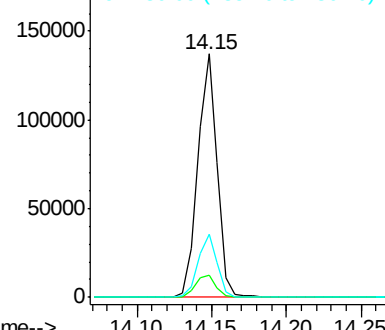
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.527 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106811.D

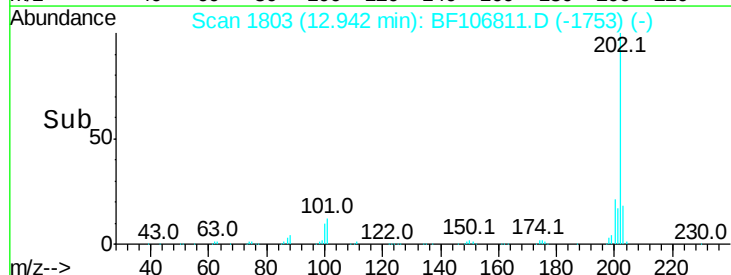
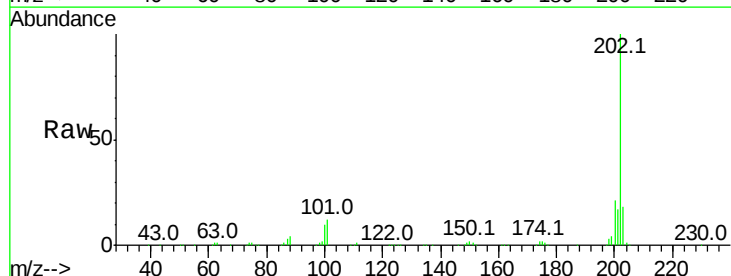
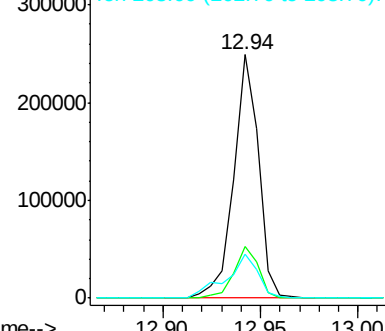
Acq: 26 Jun 2018 9:29

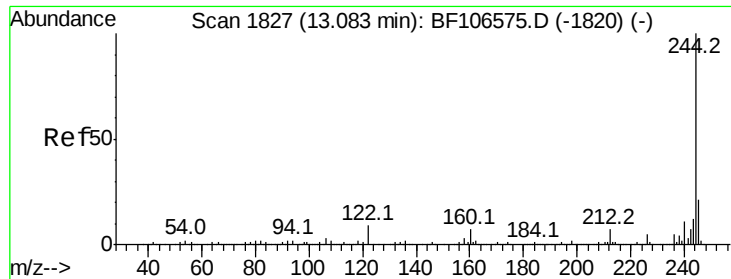
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5

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





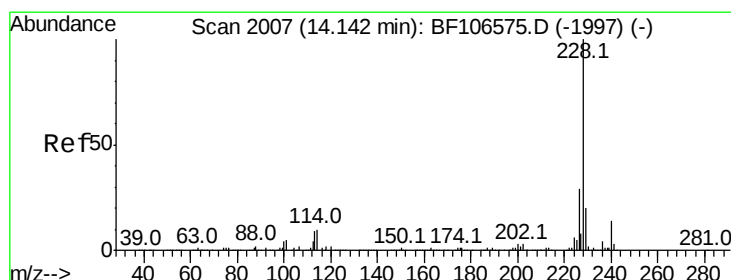
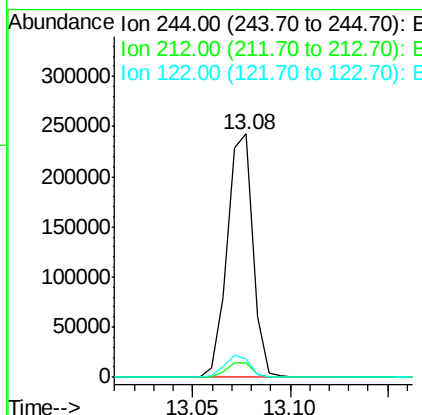
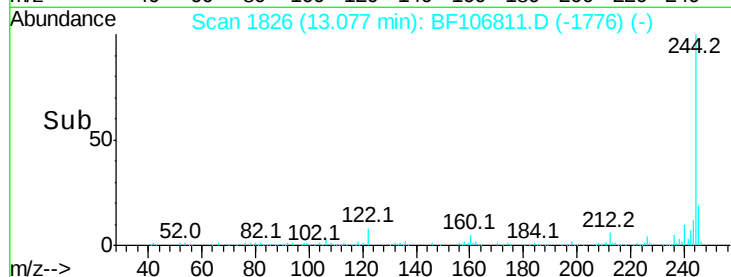
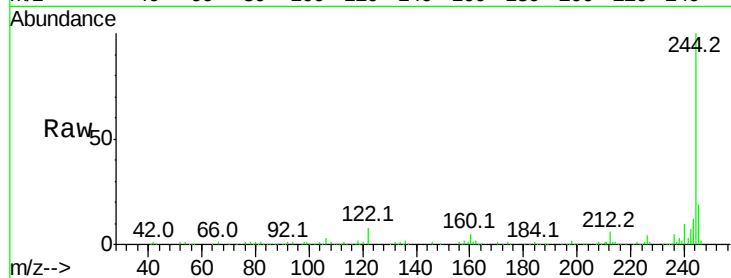
#78
 Terphenyl-d14
 Concen: 42.726 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Instrument :
 BNA_F
 ClientSampleId :
 A-1DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	7.8	11.0	16.4

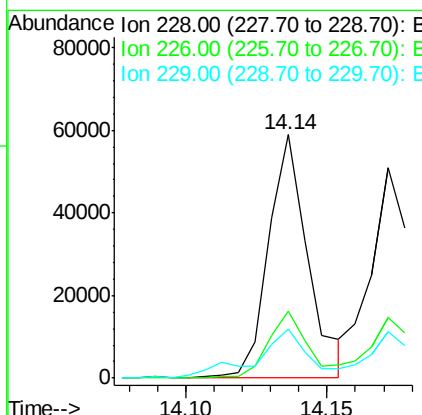
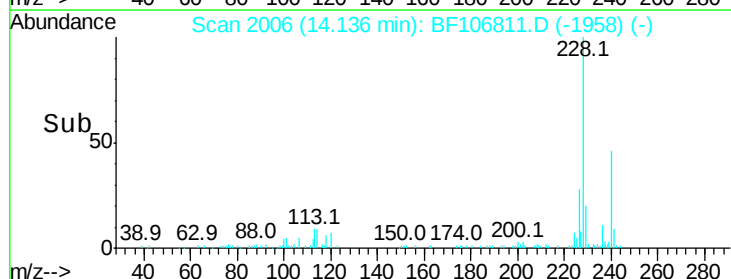
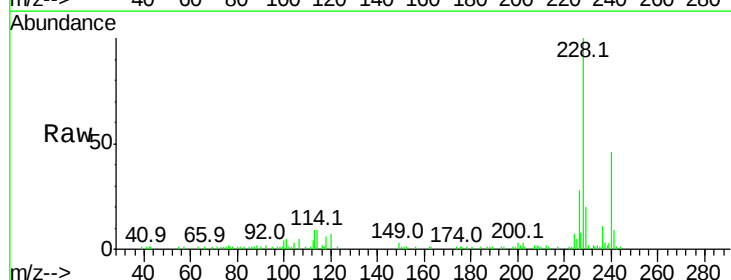
Manual Integrations
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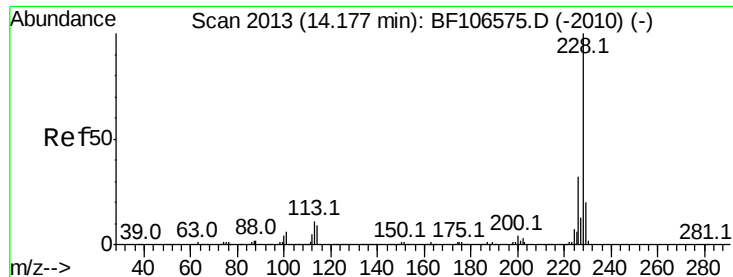
Sohil
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#80
 Benzo(a)anthracene
 Concen: 7.477 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF106811.D
 Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.3	15.8	23.6





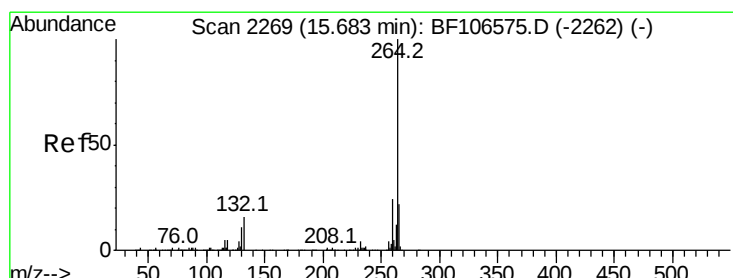
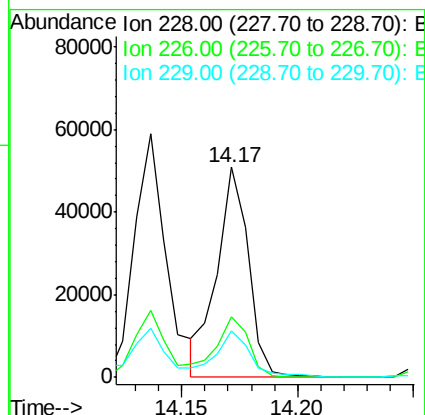
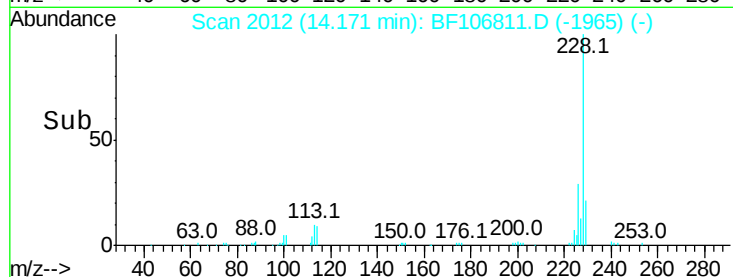
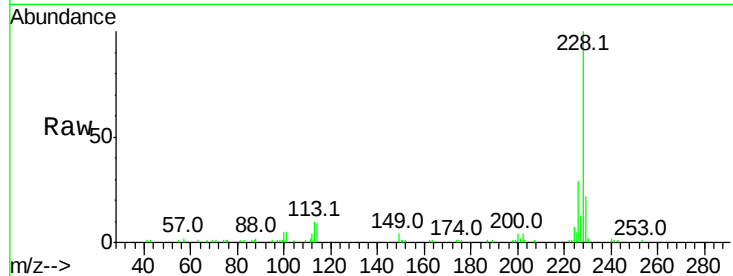
#82
Chrysene
Concen: 6.879 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Instrument :
BNA_F
ClientSampled :
A-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.0	16.2	24.4

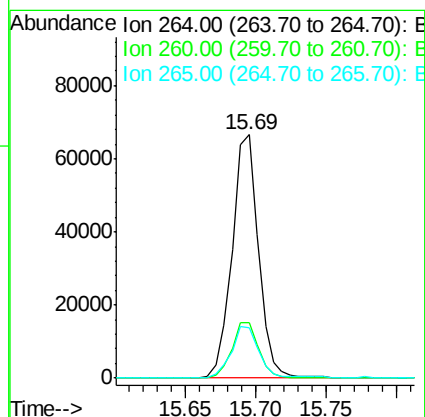
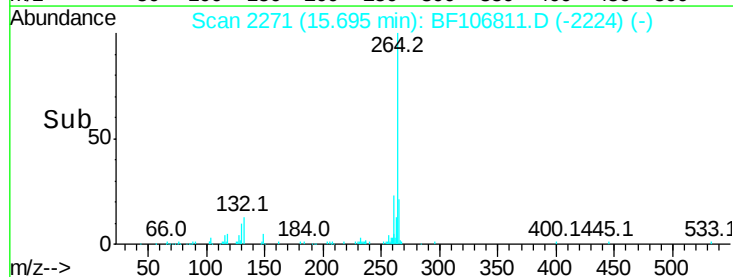
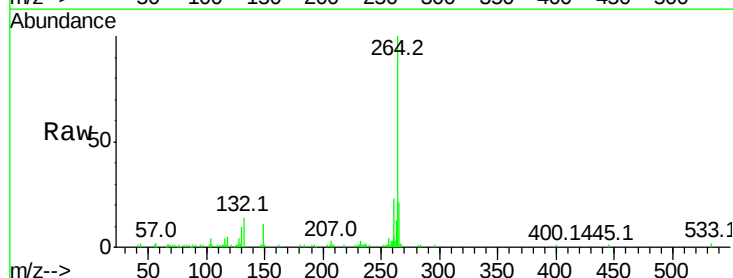
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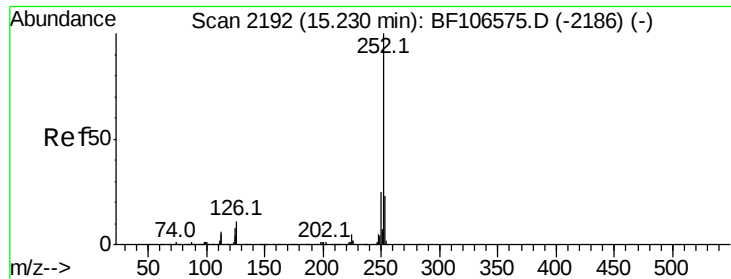
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF106811.D
Acq: 26 Jun 2018 9:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.423 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Instrument :

BNA_F

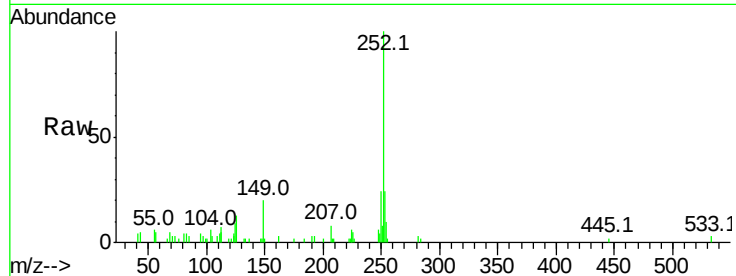
ClientSampled :

A-1DL

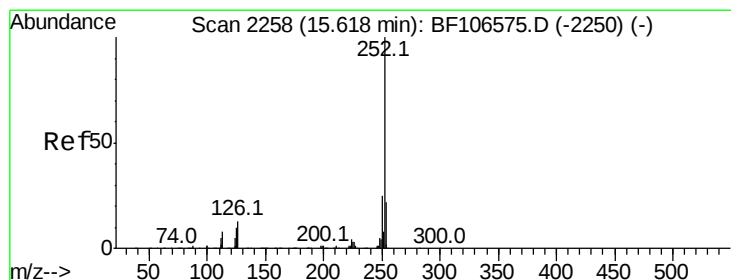
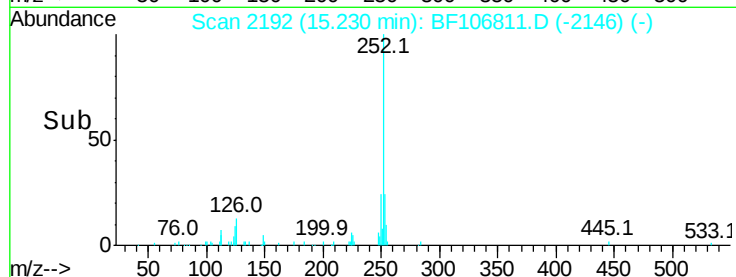
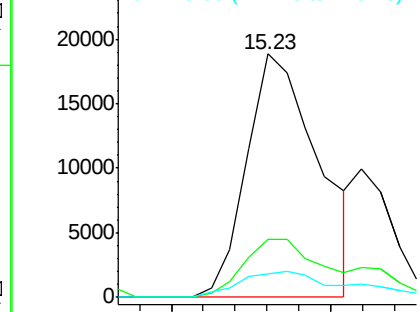
Tot Ion:	252	Resp:	29286
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	9.5	9.0	13.6

Manual Integrations
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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



#89

Benzo(a)pyrene

Concen: 2.909 ng

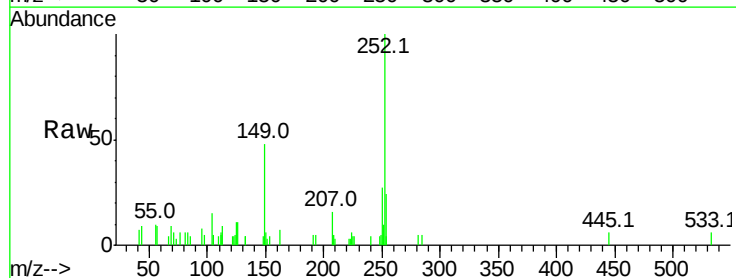
RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF106811.D

Acq: 26 Jun 2018 9:29

Tgt Ion:	252	Resp:	13965
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	11.3	9.8	14.6



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

