

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106678.D
 Acq On : 21 Jun 2018 23:09
 Operator : JU/SJ
 Sample : J3523-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA2(D)

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:26 AM

Quant Time: Jun 22 04:02:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66951	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	256119	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	122799	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	220676	20.00	ng	0.00
75) Chrysene-d12	14.15	240	190992	20.00	ng	0.00
86) Perylene-d12	15.69	264	145504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	95846	24.24	ng	0.00
7) Phenol-d6	6.60	99	121618	24.63	ng	-0.01
23) Nitrobenzene-d5	7.52	82	71628	15.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	28257	19.85	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	132303	4.22	ng	-0.01
78) Terphenyl-d14	13.08	244	134996	17.12	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	34245	2.860	ng	99
49) Dimethylphthalate	9.71	163	21262	2.309	ng	# 95
51) Acenaphthene	10.04	154	43355	5.661	ng	96
54) Dibenzofuran	10.21	168	42264	4.030	ng	94
57) Fluorene	10.55	166	55209	6.634	ng	98
70) Phenanthrene	11.52	178	465142	43.701	ng	98
71) Anthracene	11.57	178	149631	13.773	ng	98
72) Carbazole	11.72	167	31489	3.096	ng	97
74) Fluoranthene	12.72	202	580085	49.447	ng	94
77) Pyrene	12.95	202	584282	46.391	ng	99
80) Benzo(a)anthracene	14.14	228	300089	25.780	ng	99
82) Chrysene	14.18	228	256763	23.976	ng	99
85) Indeno(1,2,3-cd)pyrene	17.25	276	99925	10.995	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	262009m	28.988	ng	
88) Benzo(k)fluoranthene	15.25	252	88101m	10.235	ng	
89) Benzo(a)pyrene	15.62	252	200496	24.952	ng	96
90) Dibenzo(a,h)anthracene	17.25	278	26244m	3.854	ng	
91) Benzo(g,h,i)perylene	17.73	276	100968	15.170	ng	# 88

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

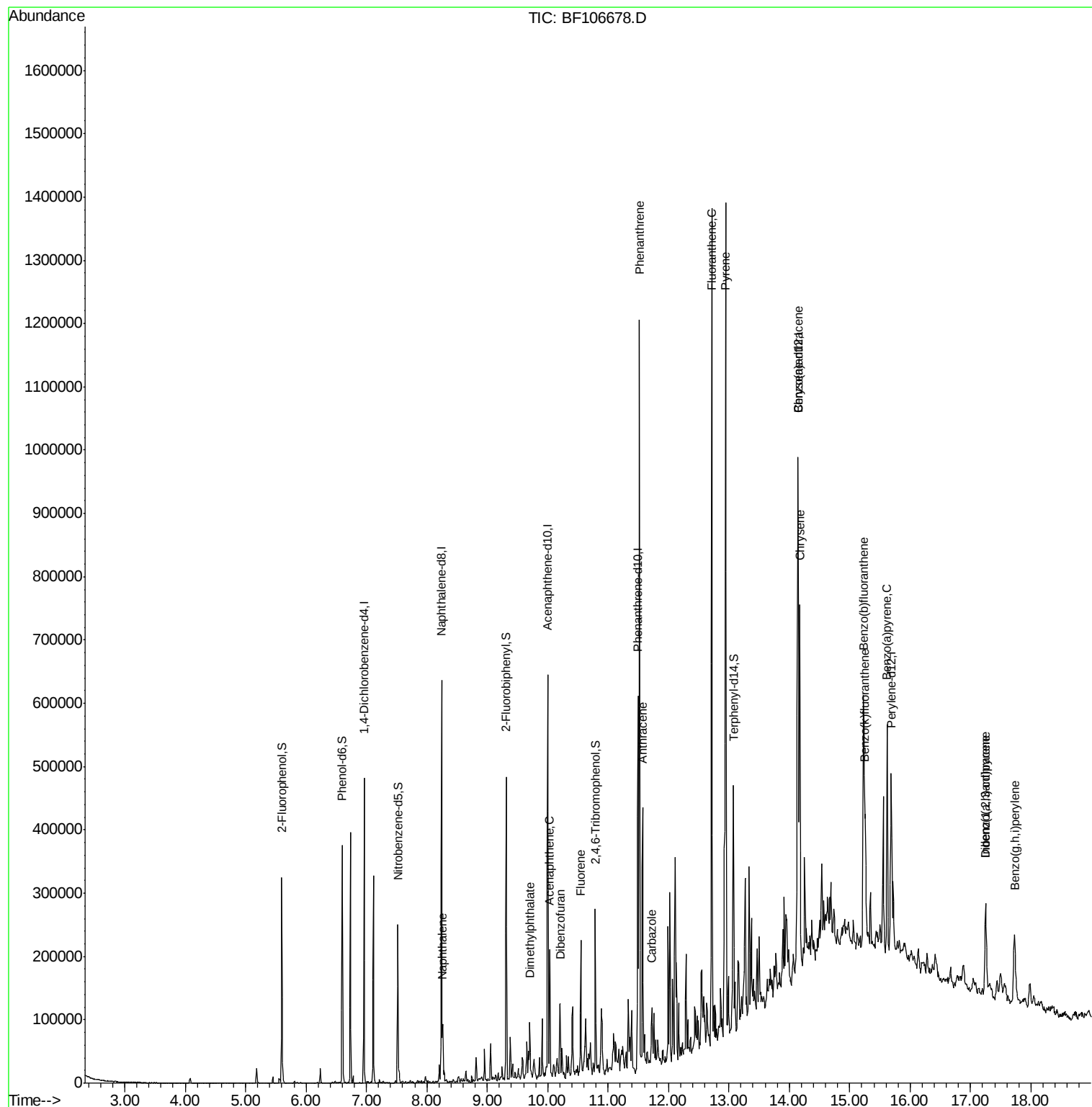
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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ALS Vial : 14 Sample Multiplier: 1

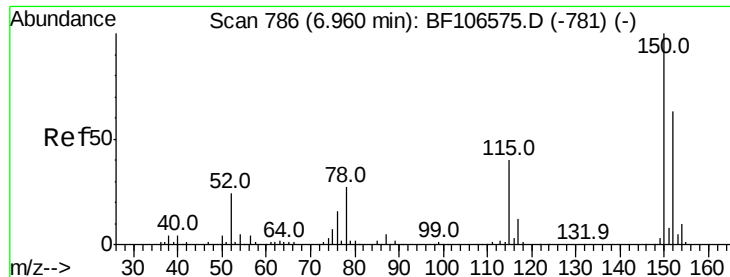
Instrument :
BNA_F
ClientSampleId :
AREA2(D)

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Quant Time: Jun 22 04:02:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

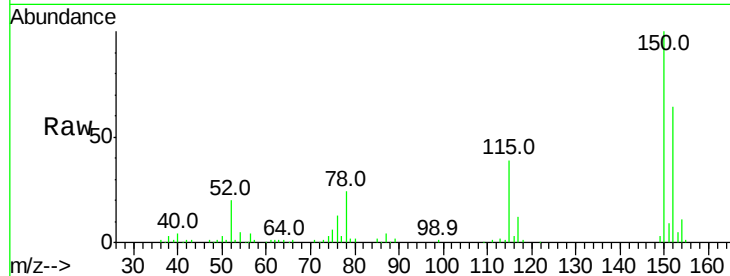
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.9	50.1	75.1

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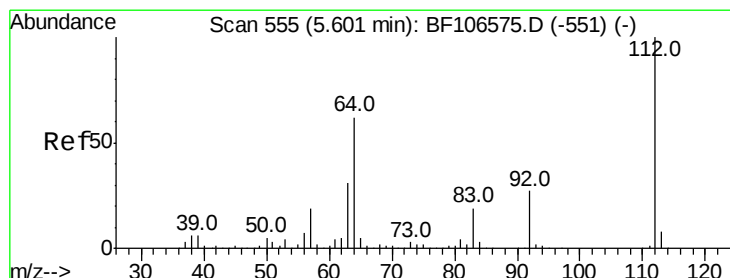
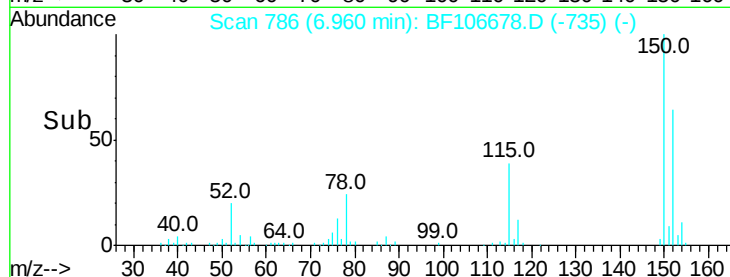
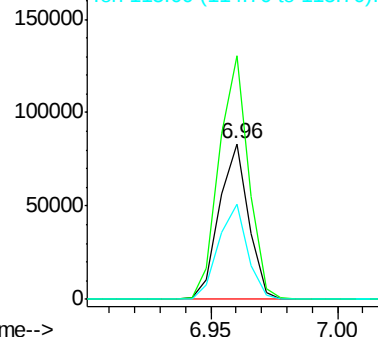


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

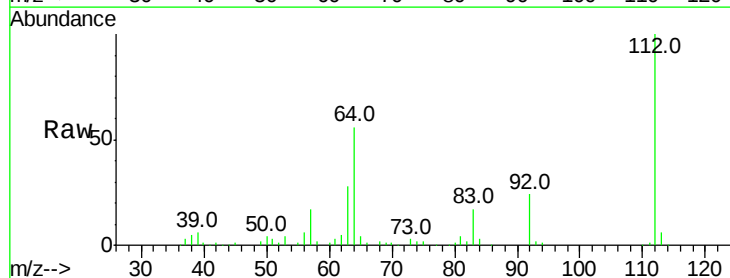
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.241 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	27.6	23.7	35.5

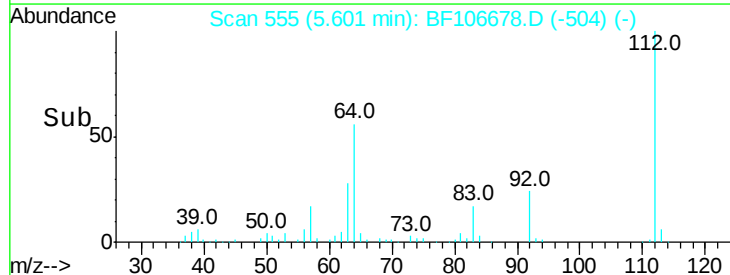
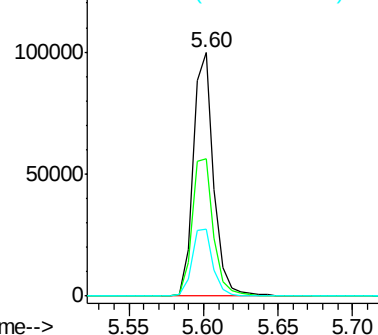


Abundance

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: 24.631 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

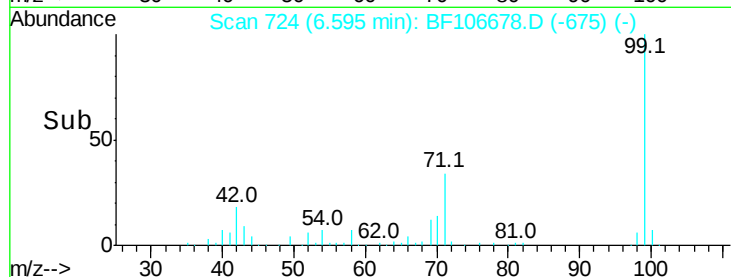
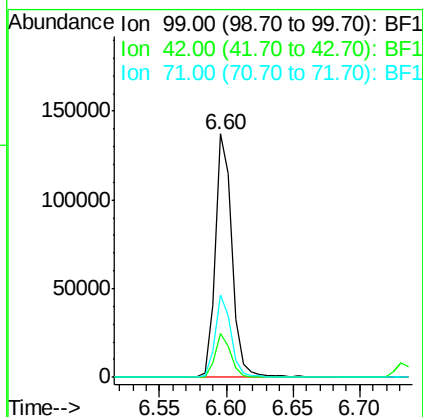
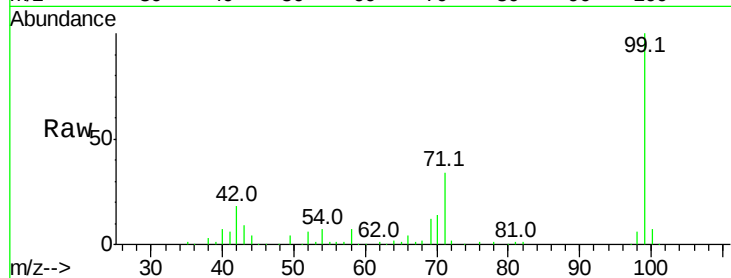
ClientSampleId :

AREA2(D)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		121618		
42	17.8	14.5	21.7		
71	33.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

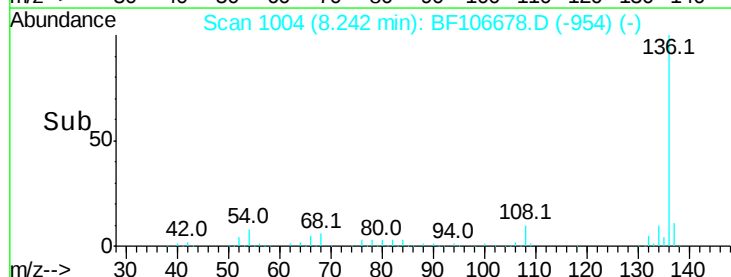
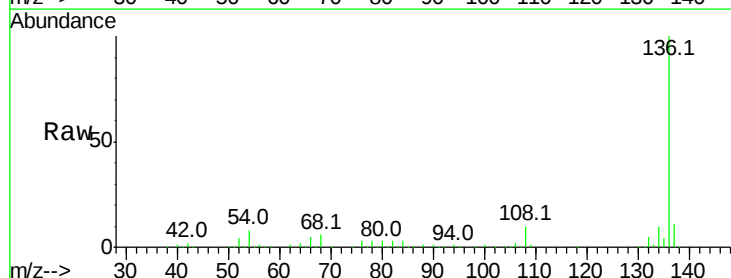
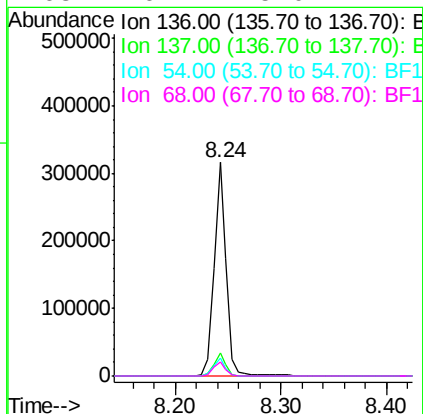
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		256119		
137	11.0	8.9	13.3		
54	8.5	6.6	9.8		
68	6.4	5.0	7.4		





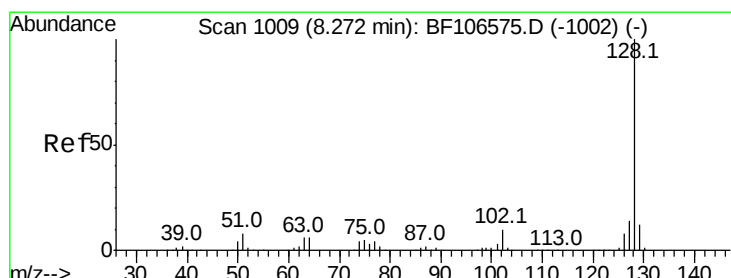
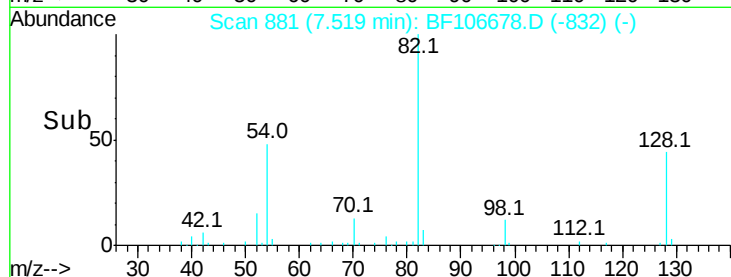
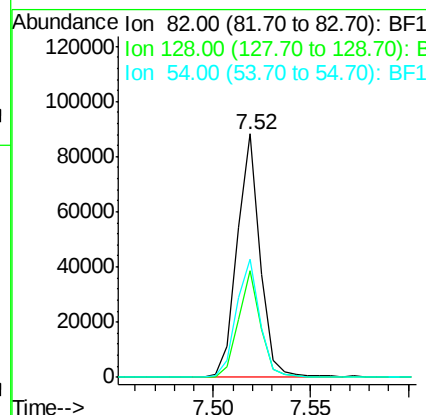
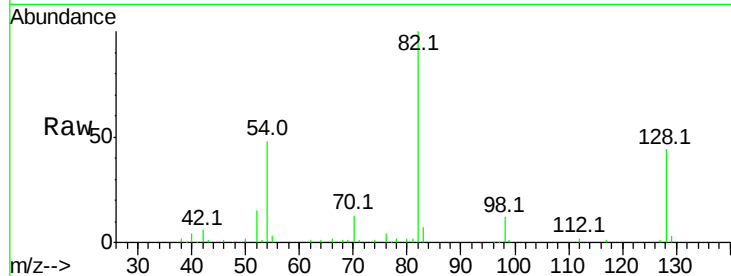
#23
Nitrobenzene-d5
Concen: 15.542 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampled :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	48.5	41.4	62.2

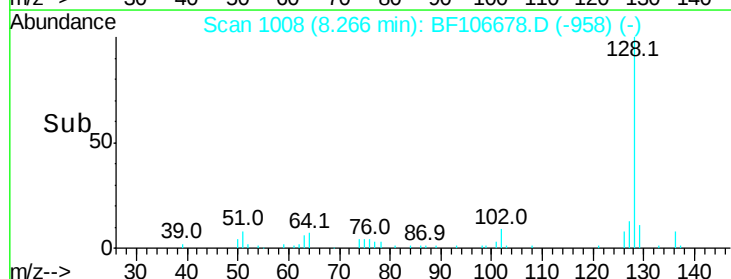
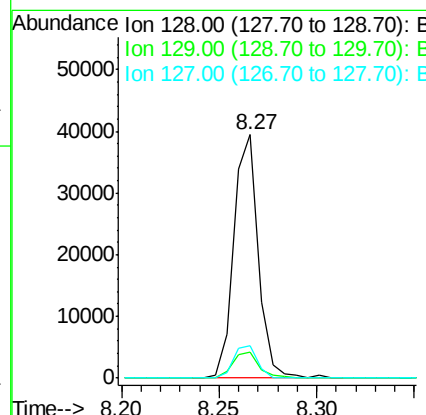
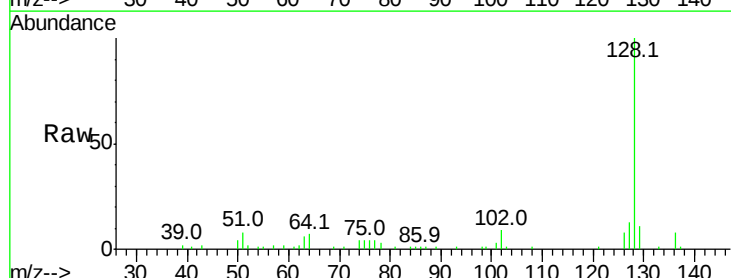
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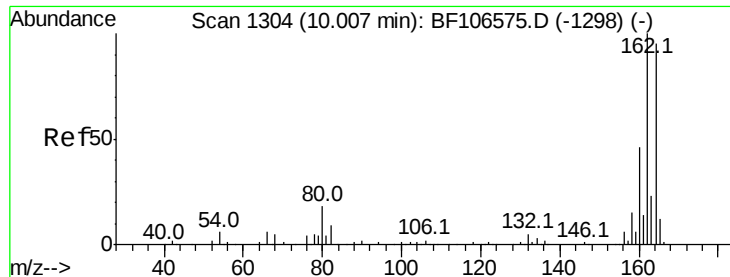
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#31
Naphthalene
Concen: 2.860 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.2	10.9	16.3





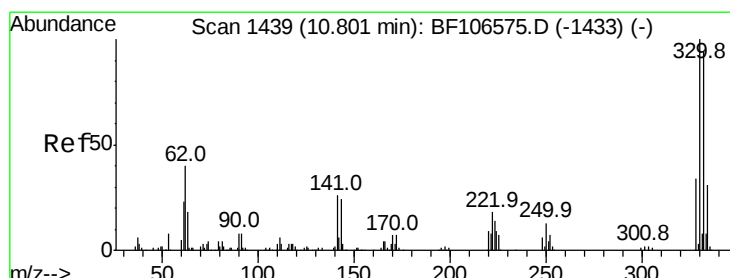
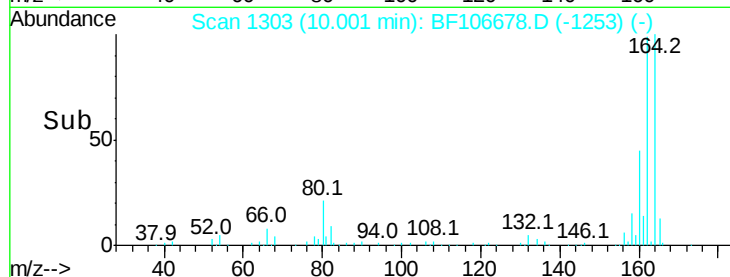
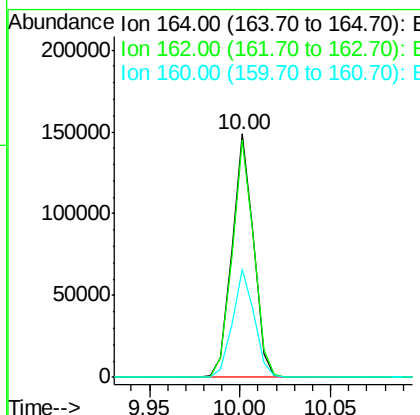
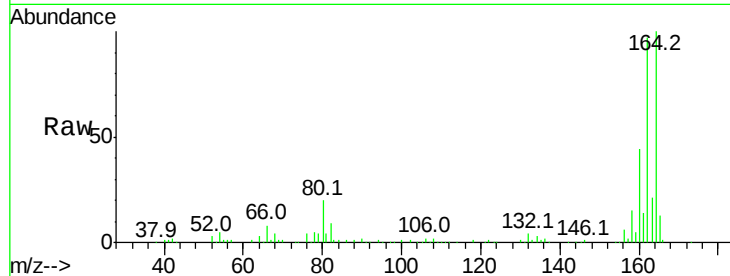
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	122799		
162	97.2	86.1	129.1	
160	44.3	38.3	57.5	

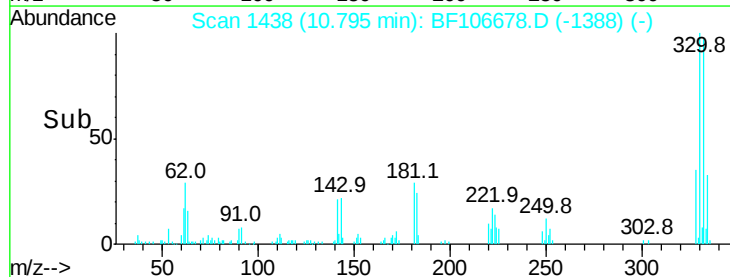
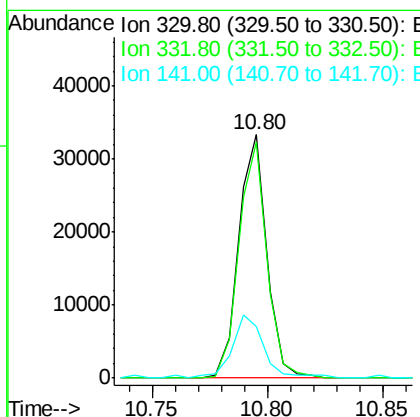
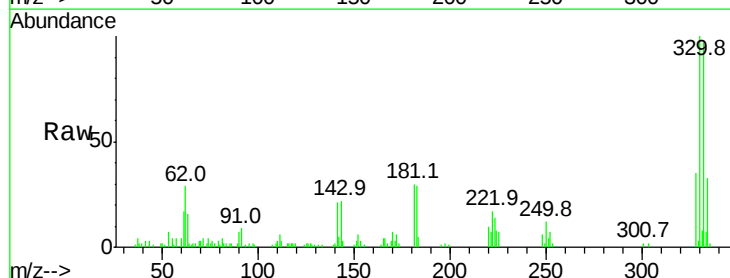
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#41
2,4,6-Tribromophenol
Concen: 19.854 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	28257		
332	96.4	77.0	115.6	
141	29.3	29.9	44.9#	





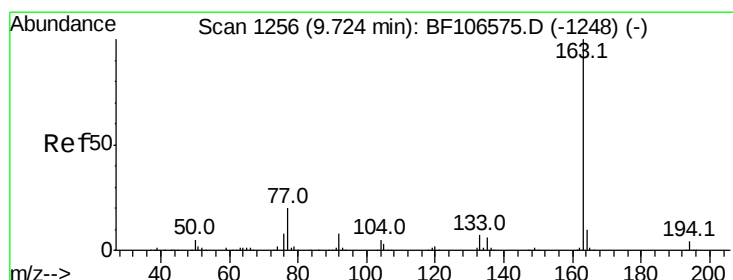
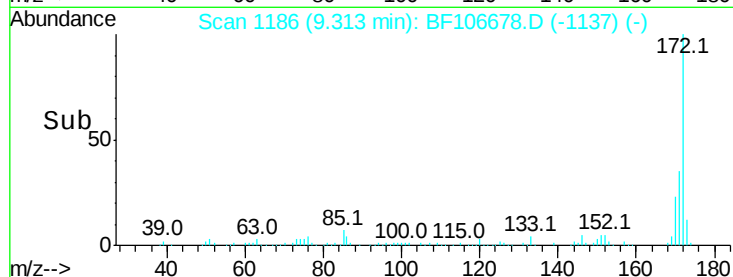
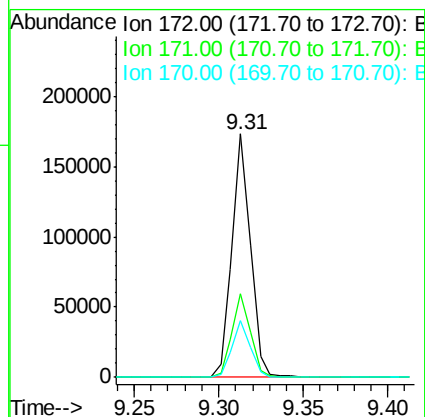
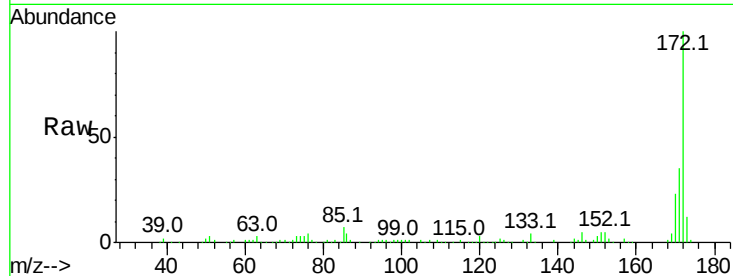
#44
2-Fluorobiphenyl
Concen: 4.217 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	132303		
171	34.6		29.7	44.5
170	23.3		19.6	29.4

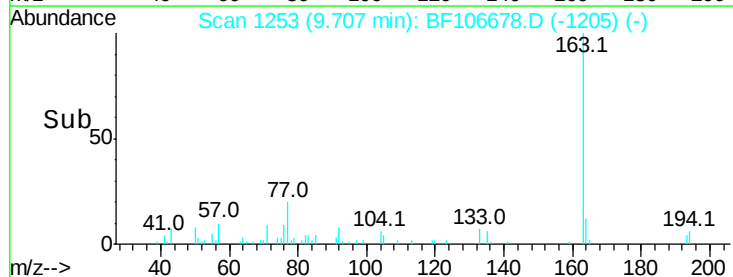
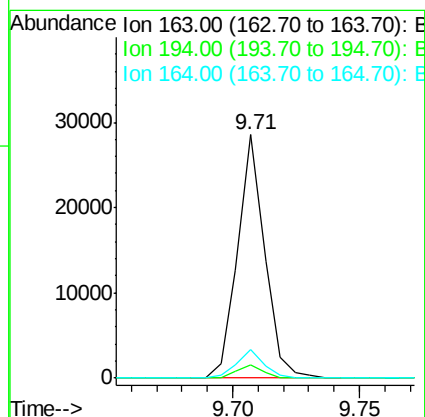
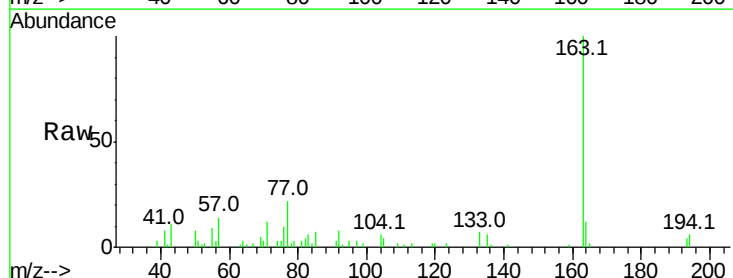
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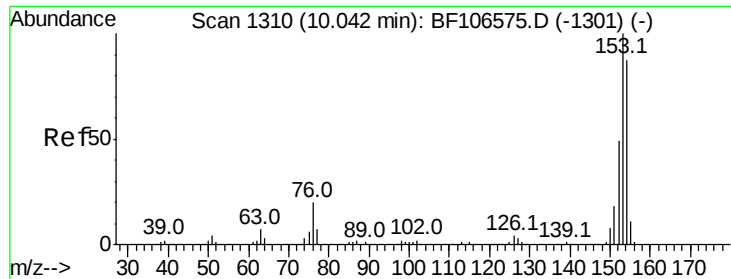
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#49
Dimethylphthalate
Concen: 2.309 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	21262		
194	5.6		2.7	4.1#
164	11.8		8.2	12.2





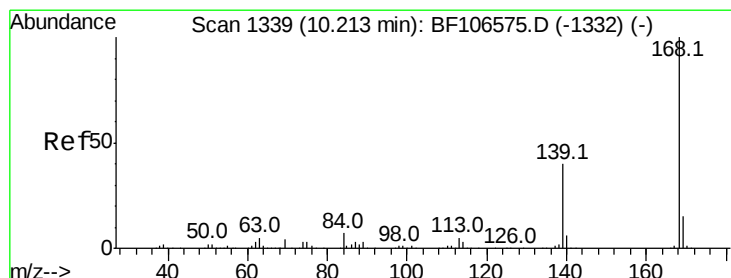
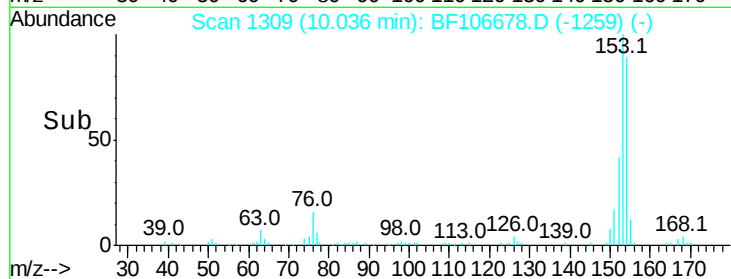
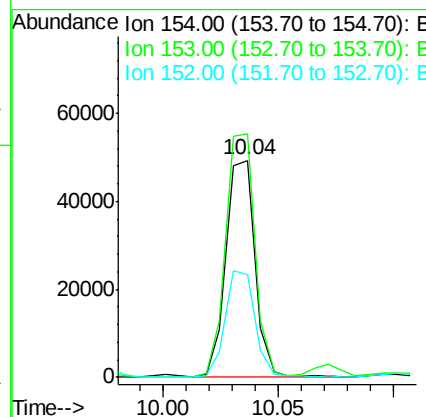
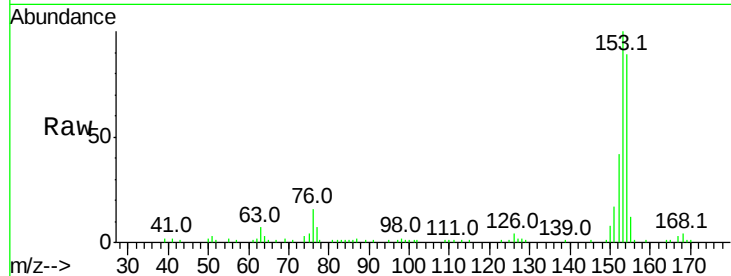
#51
Acenaphthene
Concen: 5.661 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.2	91.2	136.8
152	47.6	43.8	65.8

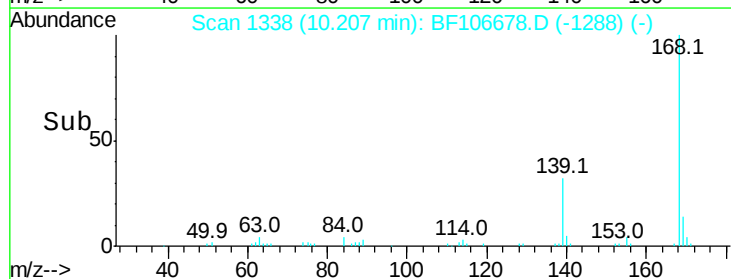
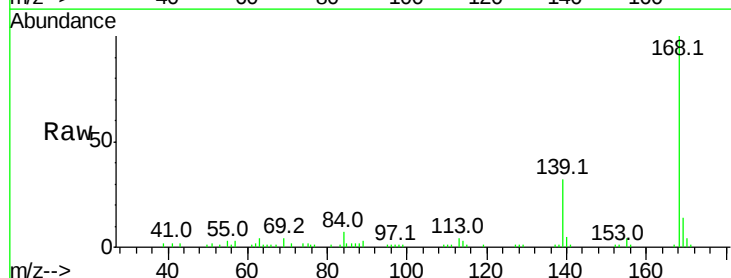
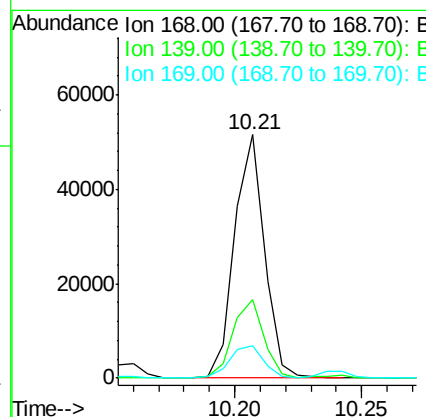
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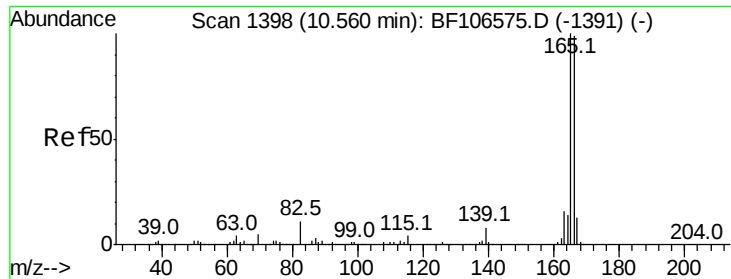
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#54
Dibenzofuran
Concen: 4.030 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.5	30.1	45.1
169	13.6	10.9	16.3





#57

Fluorene

Concen: 6.634 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

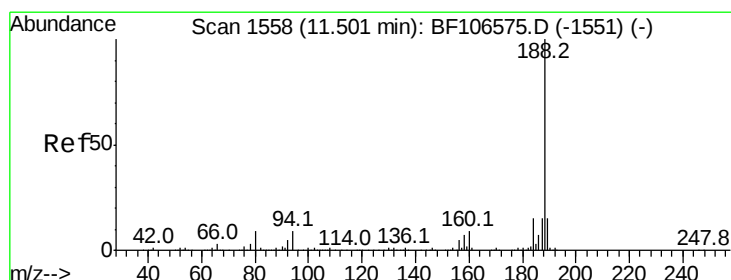
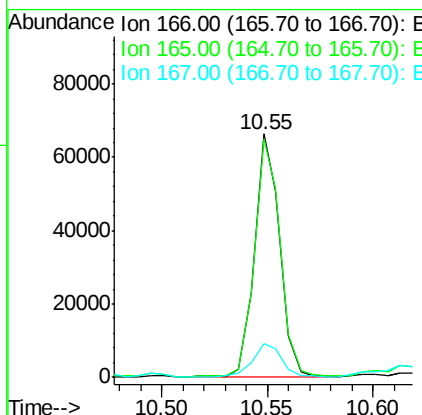
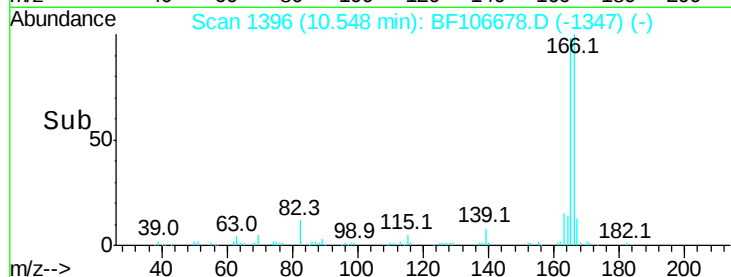
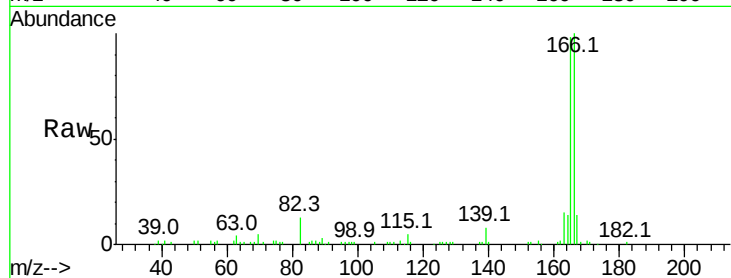
ClientSampleId :

AREA2(D)

Tot Ion:	166	Resp:	55209
Ion Ratio	Lower	Upper	
166	100		
165	97.9	79.8	119.8
167	13.9	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

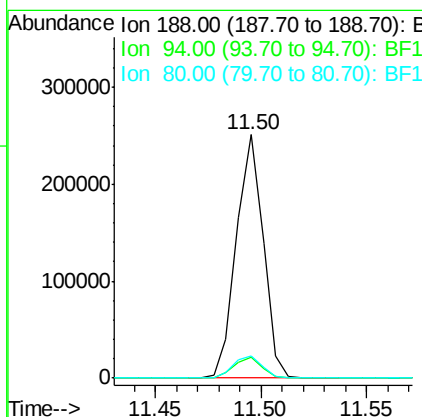
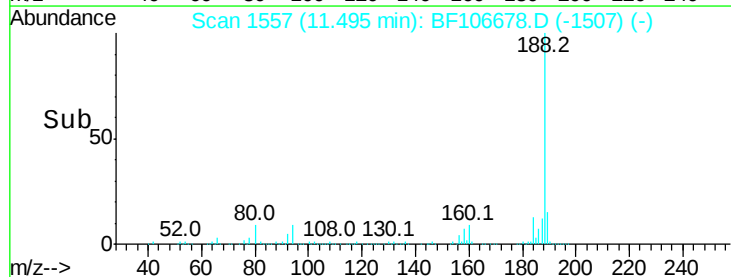
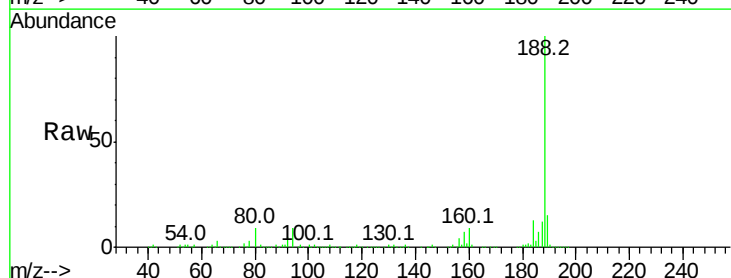
RT: 11.50 min Scan# 1557

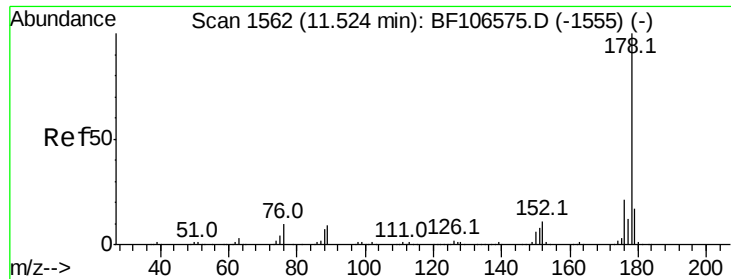
Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Tgt Ion:	188	Resp:	220676
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	9.3	9.2	13.8





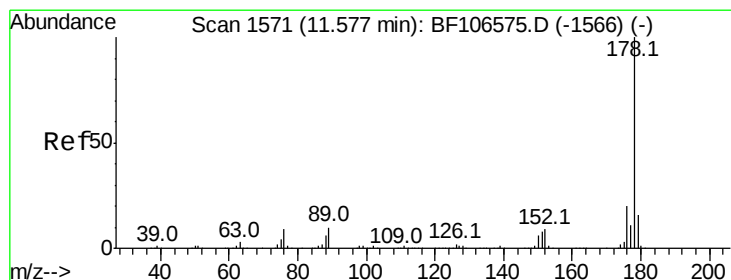
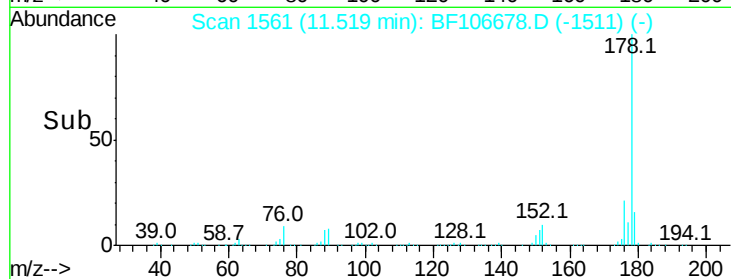
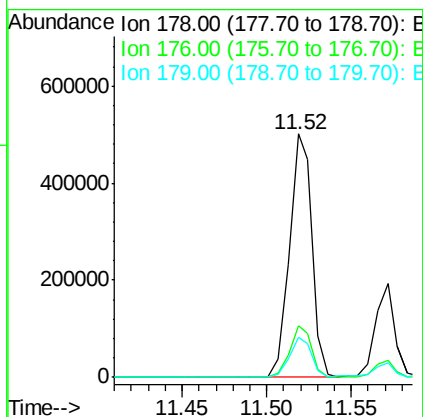
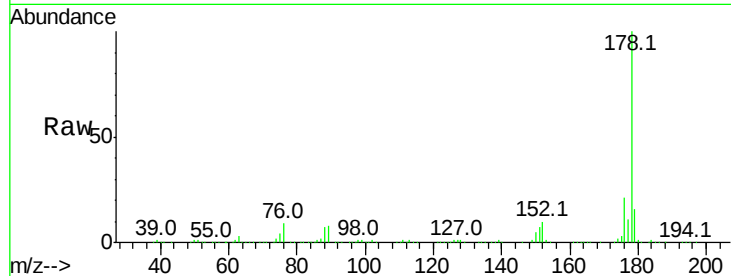
#70
Phenanthrene
Concen: 43.701 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.8
179	16.2	13.0	19.6

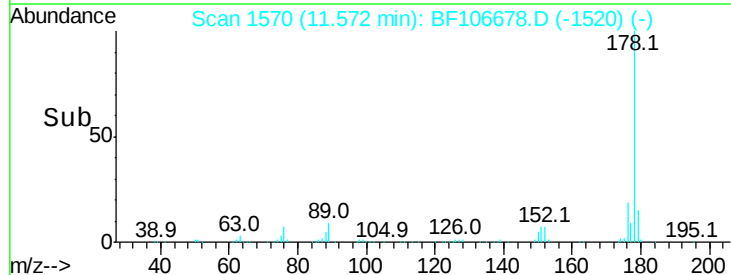
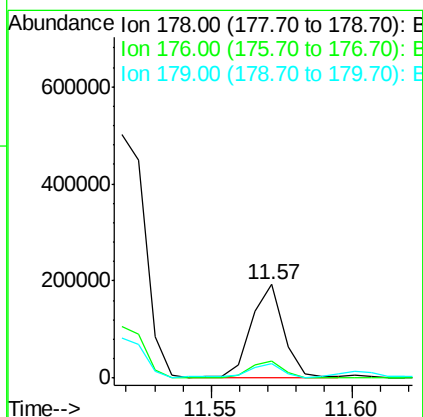
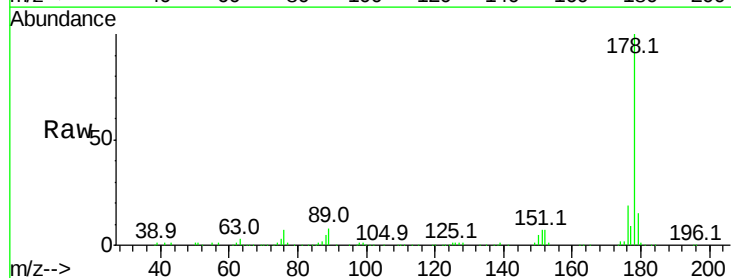
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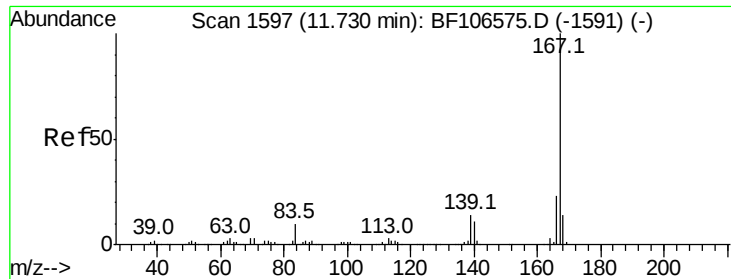
Sohil
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#71
Anthracene
Concen: 13.773 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 3.096 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

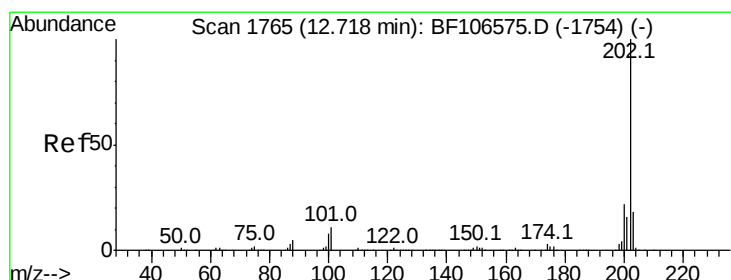
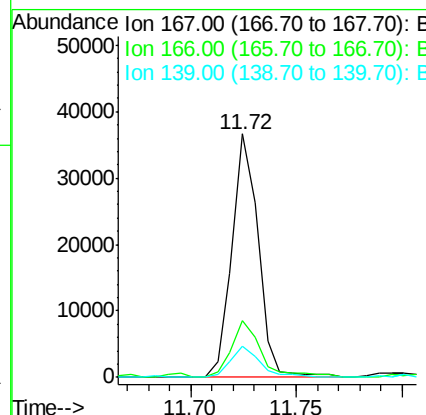
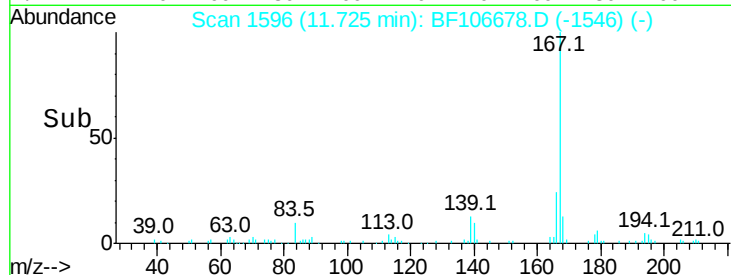
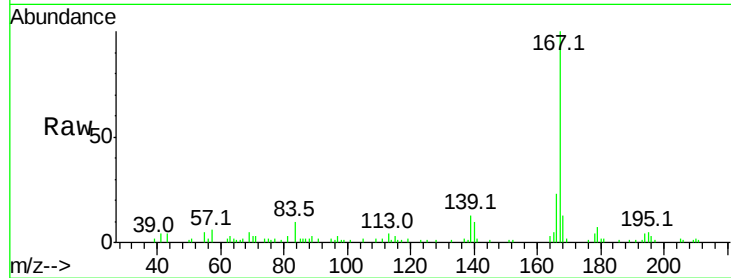
ClientSampleId :

AREA2(D)

Tot Ion:	167	Resp:	31489
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.6	26.4
139	12.8	10.9	16.3

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#74

Fluoranthene

Concen: 49.447 ng

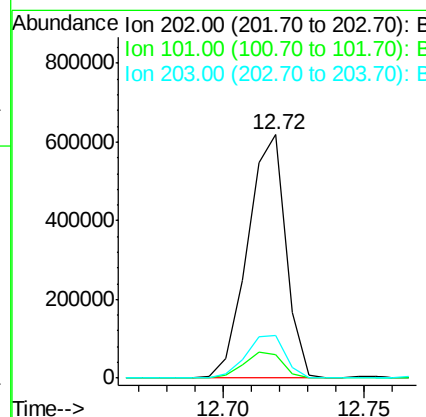
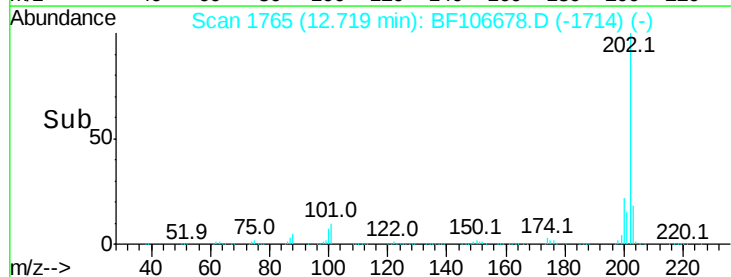
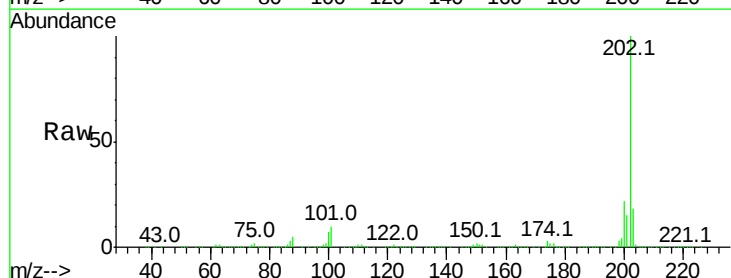
RT: 12.72 min Scan# 1765

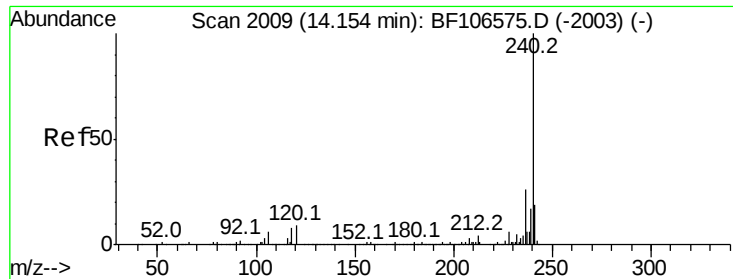
Delta R.T. 0.00 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Tgt Ion:	202	Resp:	580085
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

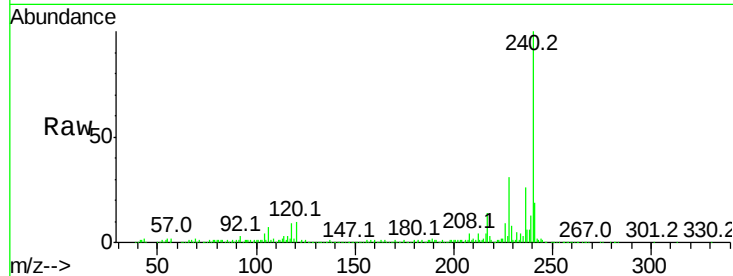
ClientSampleId :

AREA2(D)

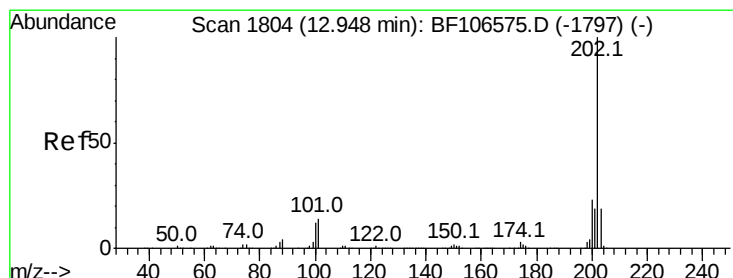
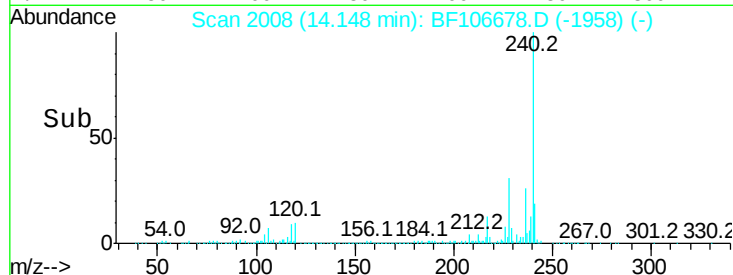
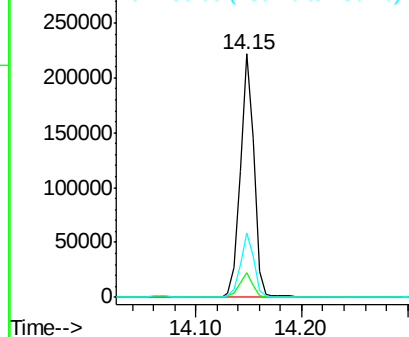
Tot Ion:	240	Resp:	190992
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	26.3	20.7	31.1

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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: 46.391 ng

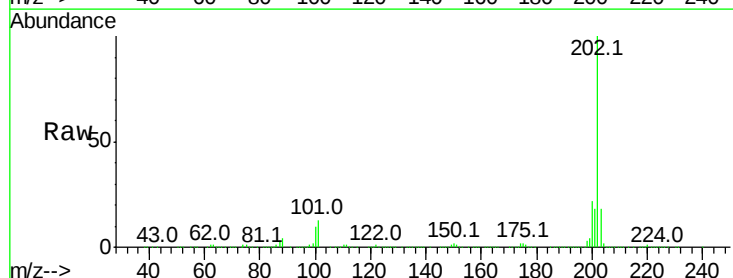
RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

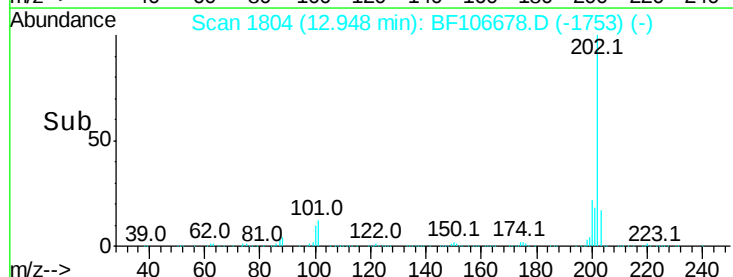
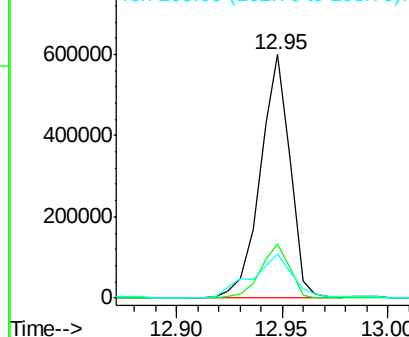
Lab File: BF106678.D

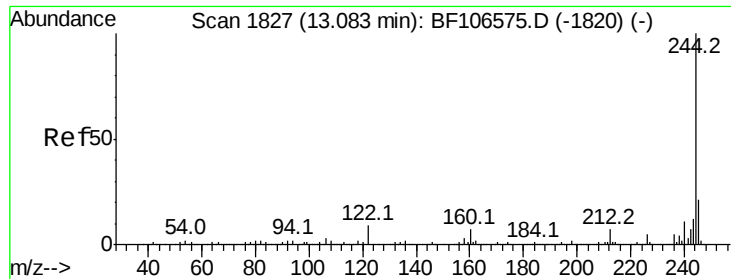
Acq: 21 Jun 2018 23:09

Tgt Ion:	202	Resp:	584282
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.2	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: 17.121 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

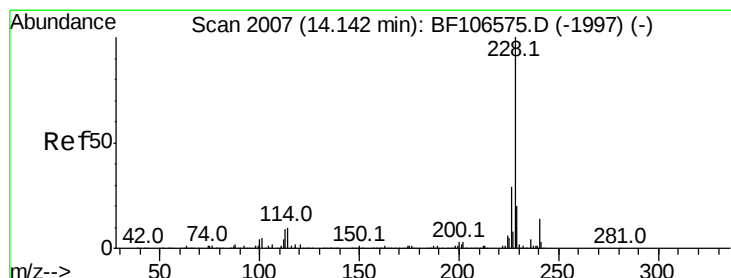
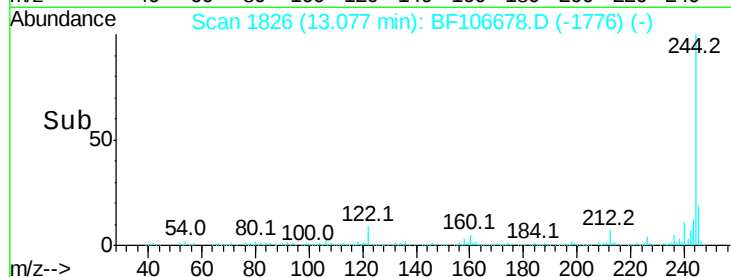
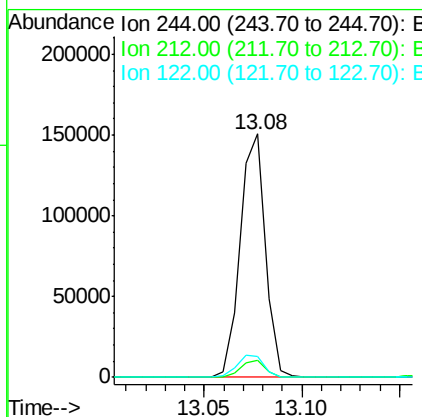
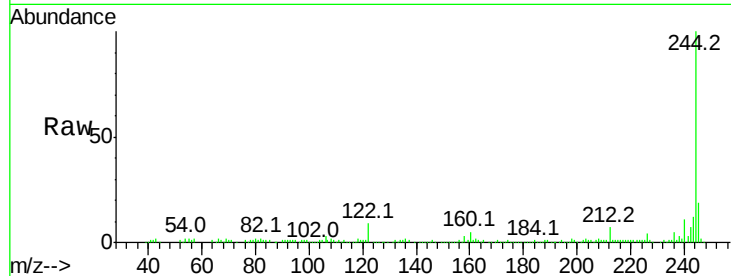
ClientSampleId :

AREA2(D)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	8.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 25.780 ng

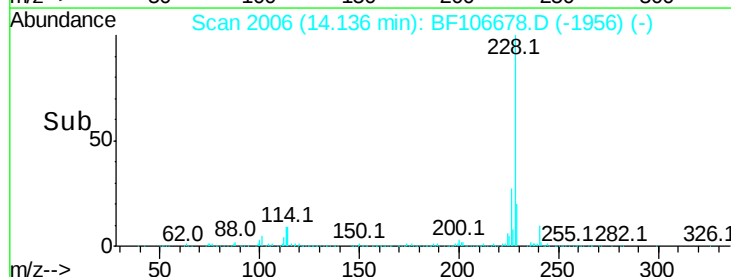
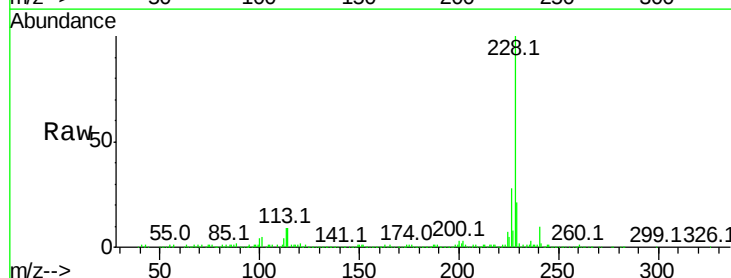
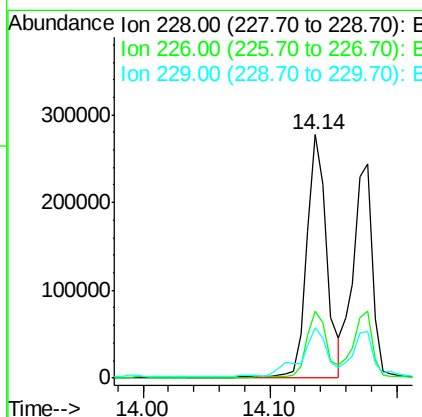
RT: 14.14 min Scan# 2006

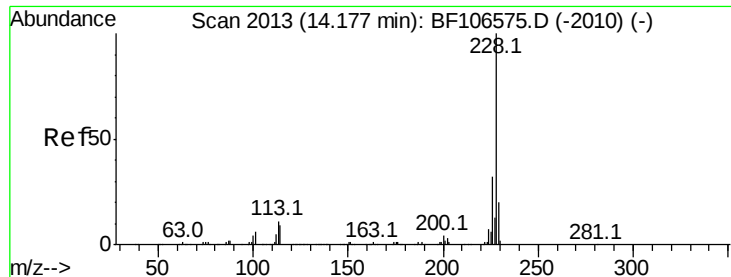
Delta R.T. -0.01 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 23.976 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Instrument :

BNA_F

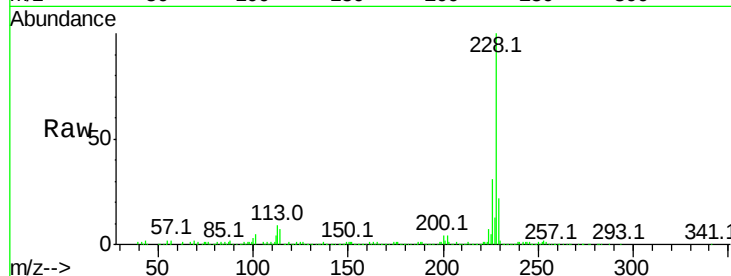
ClientSampleId :

AREA2(D)

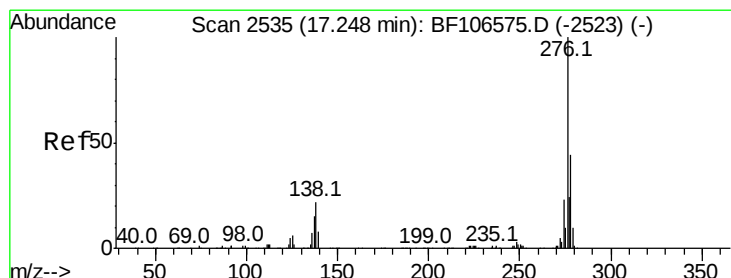
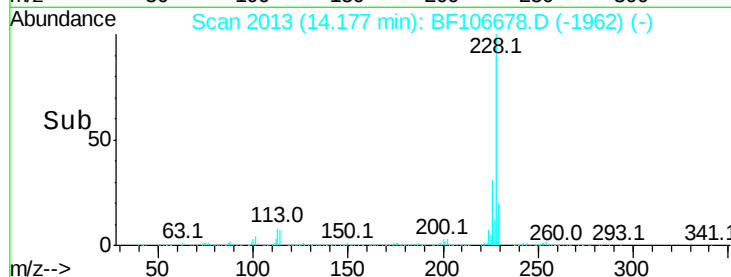
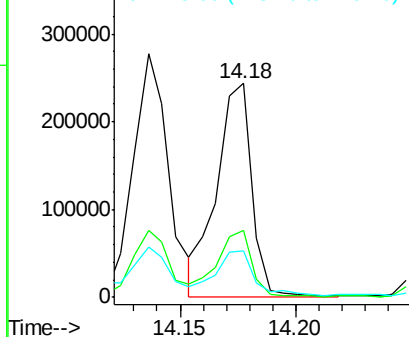
Tot Ion:	228	Resp:	256763
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.6	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.995 ng

RT: 17.25 min Scan# 2535

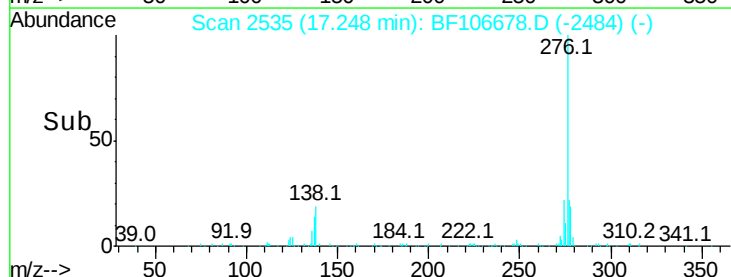
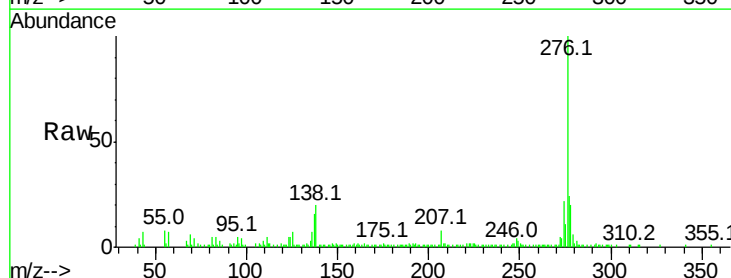
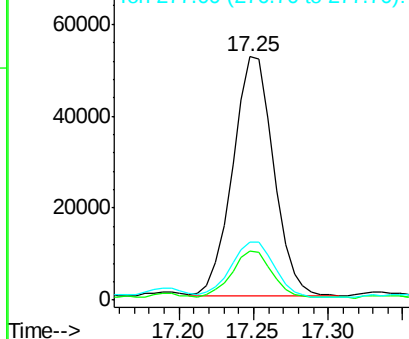
Delta R.T. 0.00 min

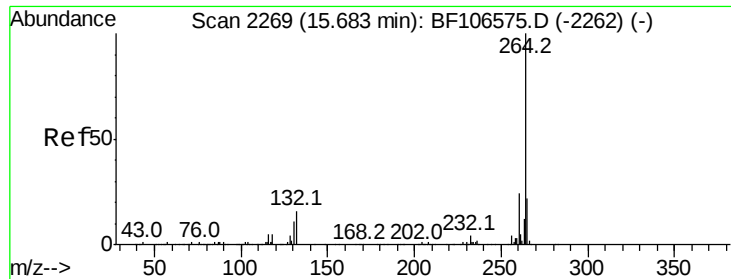
Lab File: BF106678.D

Acq: 21 Jun 2018 23:09

Tgt Ion:	276	Resp:	99925
Ion Ratio	Lower	Upper	
276	100		
138	18.7	25.0	37.6#
277	24.9	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





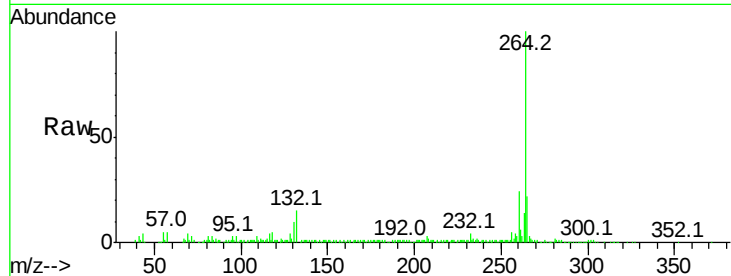
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3

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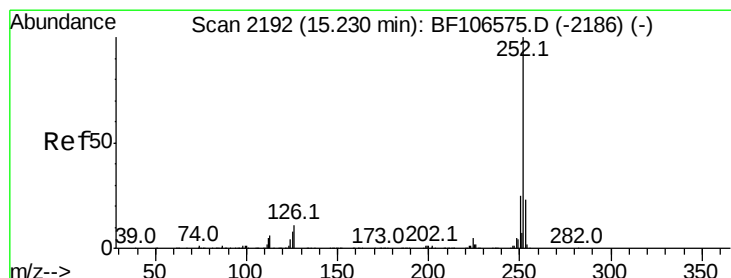
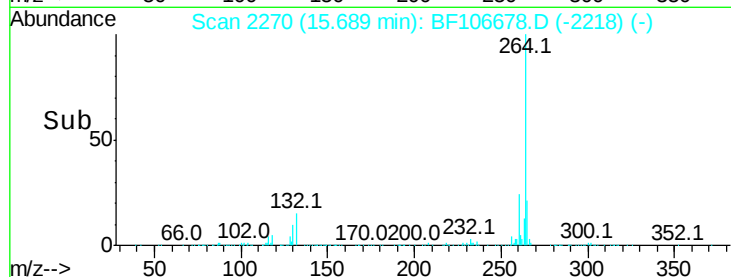
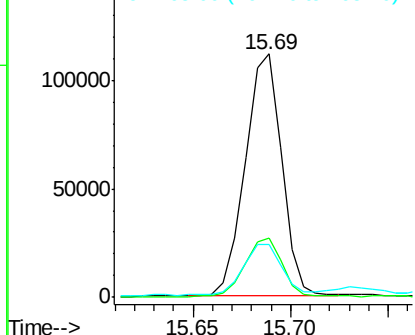


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 28.988 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

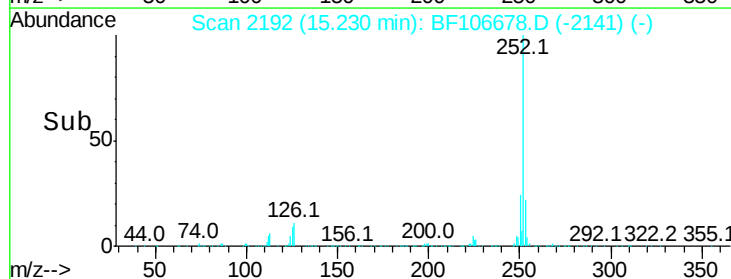
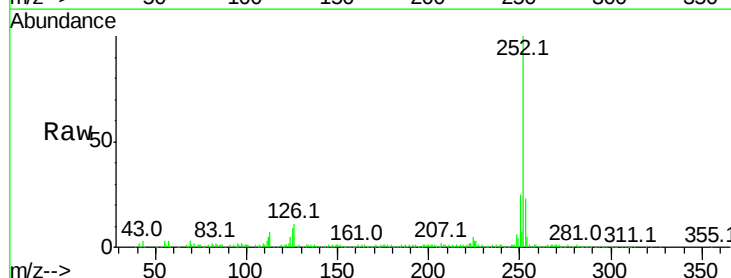
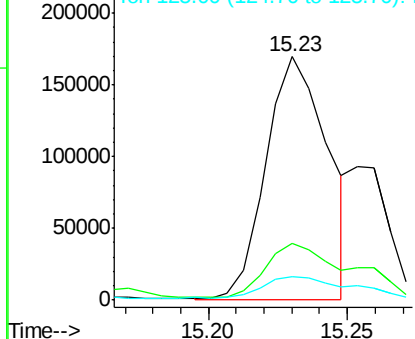
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	9.4	9.0	13.6

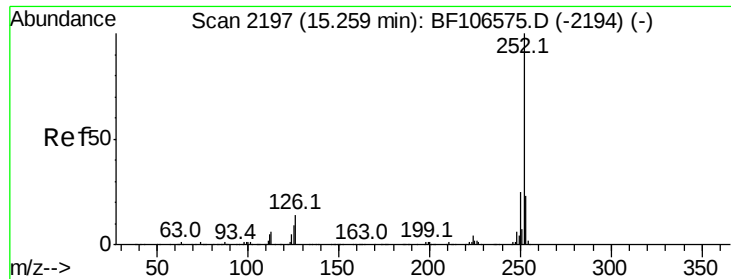
Abundance

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





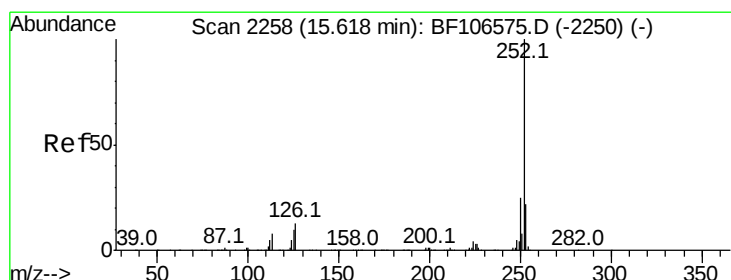
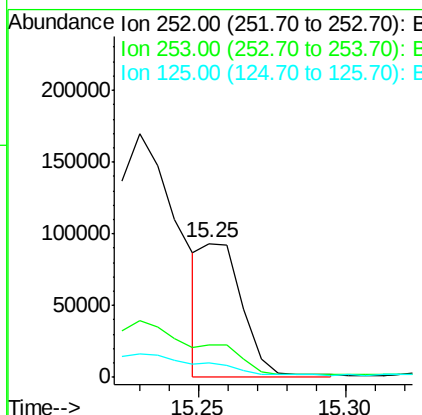
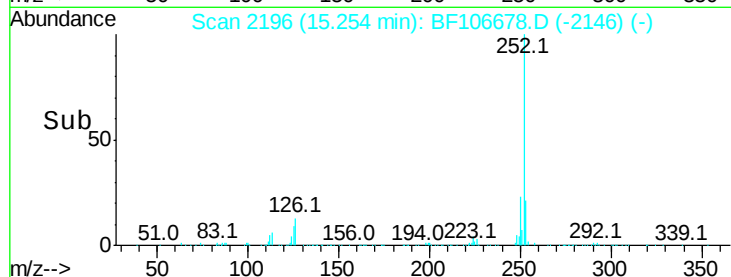
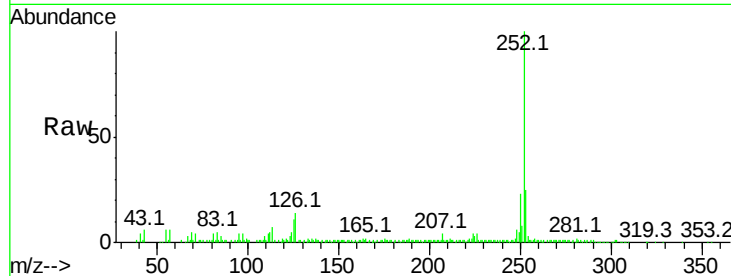
#88
Benzo(k)fluoranthene
Concen: 10.235 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	11.1	10.2	15.2

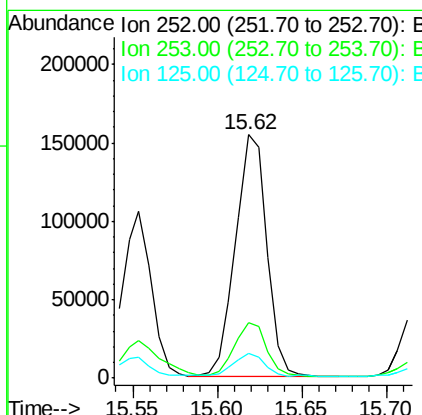
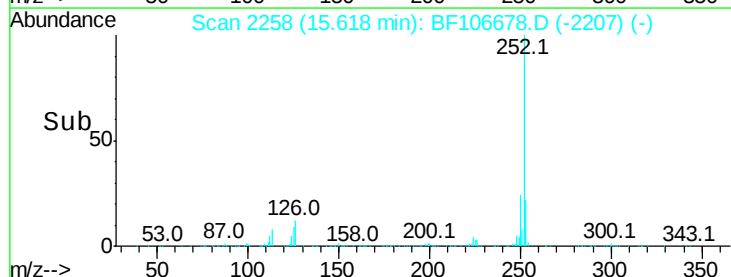
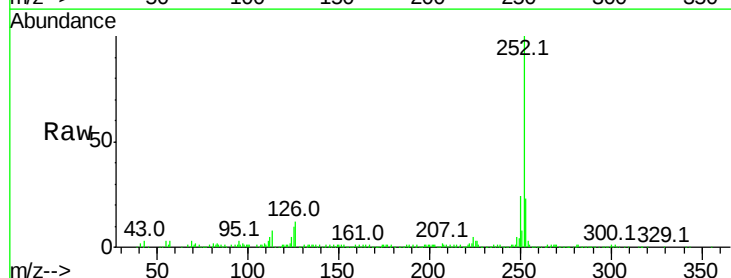
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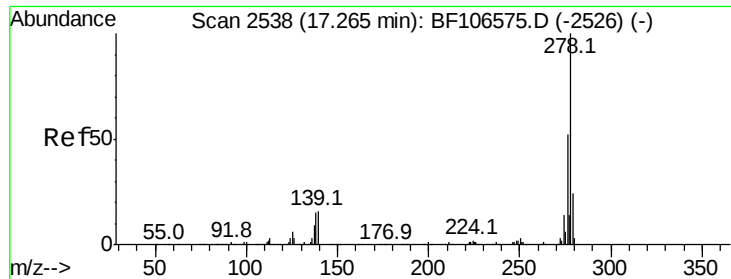
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#89
Benzo(a)pyrene
Concen: 24.952 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.2	9.8	14.6





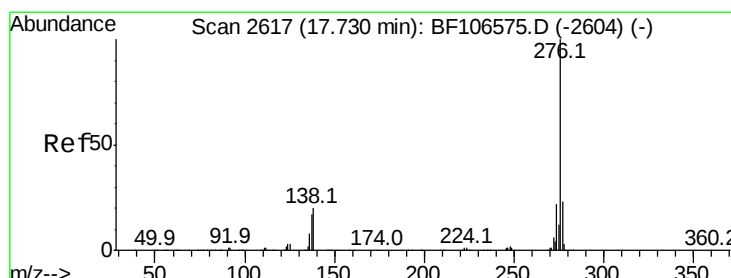
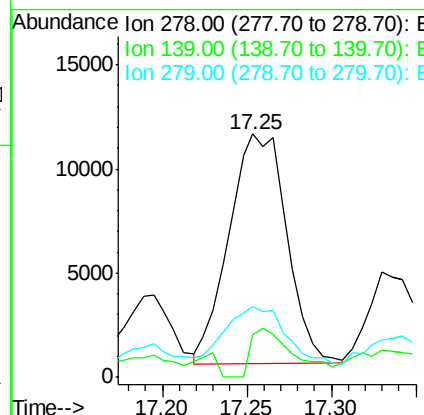
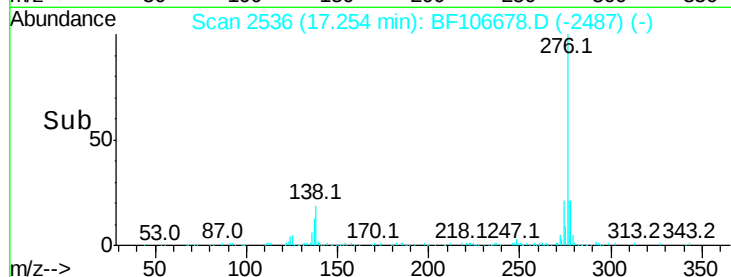
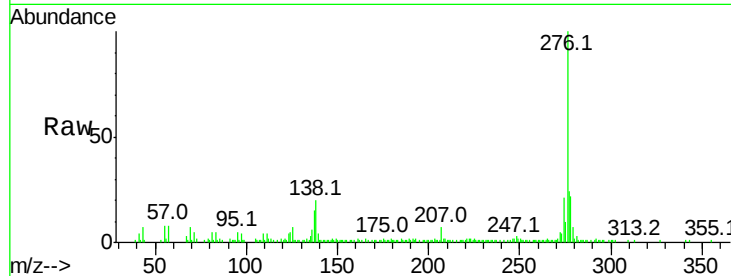
#90
Dibenzo(a,h)anthracene
Concen: 3.854 ng m
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
AREA2(D)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	15.9	23.9
279	29.2	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 15.170 ng
RT: 17.73 min Scan# 2617
Delta R.T. 0.00 min
Lab File: BF106678.D
Acq: 21 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	19.3	21.8	32.8

