

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
 Data File : BF106633.D
 Acq On : 20 Jun 2018 21:28
 Operator : JU/SJ
 Sample : J3249-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-A

Manual Integrations
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 6/21/2018 11:28:08 AM

Quant Time: Jun 21 08:00:48 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	93753	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	378291	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	202029	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	381823	20.00	ng	0.00
75) Chrysene-d12	14.15	240	278844	20.00	ng	0.00
86) Perylene-d12	15.68	264	284164	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	120153	21.70	ng	0.00
7) Phenol-d6	6.61	99	157234	22.74	ng	0.00
23) Nitrobenzene-d5	7.52	82	97631	14.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	50272	21.47	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	211569	3.60	ng	-0.01
78) Terphenyl-d14	13.08	244	218129	18.95	ng	0.00
Target Compounds						
51) Acenaphthene	10.03	154	35675	2.831	ng	97
57) Fluorene	10.55	166	68402	4.996	ng	98
70) Phenanthrene	11.52	178	516539	28.048	ng	99
71) Anthracene	11.57	178	159765	8.499	ng	99
74) Fluoranthene	12.72	202	941405	46.379	ng	96
77) Pyrene	12.95	202	828501	45.057	ng	98
80) Benzo(a)anthracene	14.14	228	446559	26.276	ng	97
82) Chrysene	14.17	228	371376	23.753	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	154355	11.633	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	485475m	27.502	ng	
88) Benzo(k)fluoranthene	15.25	252	144402m	8.590	ng	
89) Benzo(a)pyrene	15.62	252	324830m	20.700	ng	
90) Dibenzo(a,h)anthracene	17.25	278	37429m	2.814	ng	
91) Benzo(a,h,i)perylene	17.72	276	141927	10.918	ng	# 92

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

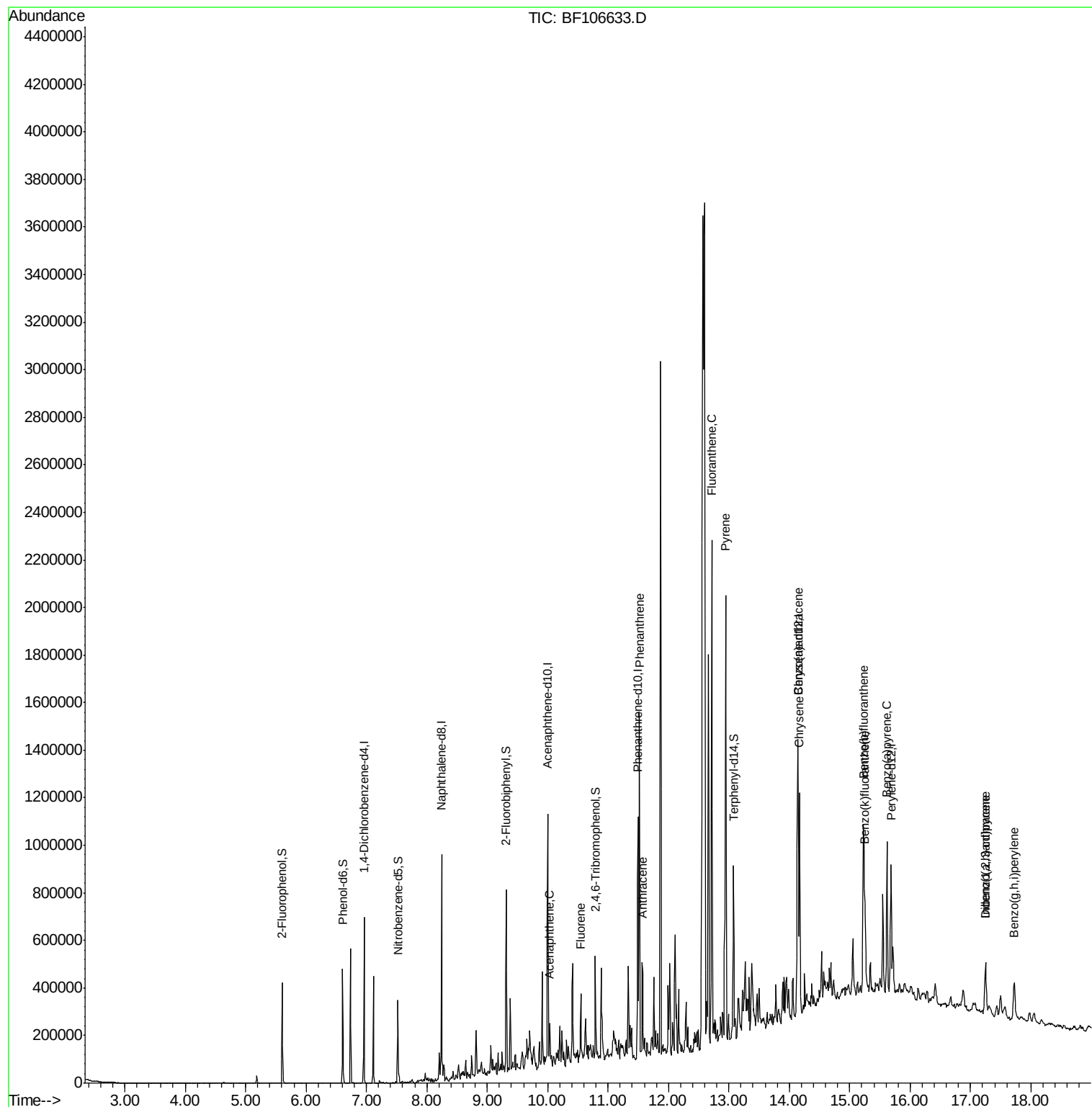
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
Data File : BF106633.D
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Sample : J3249-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

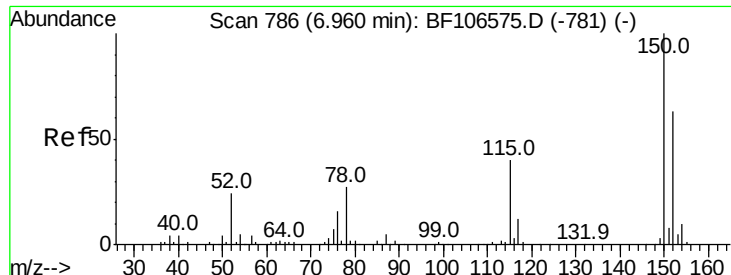
Instrument :
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#1

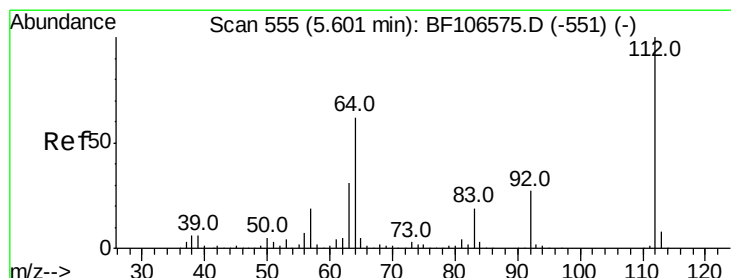
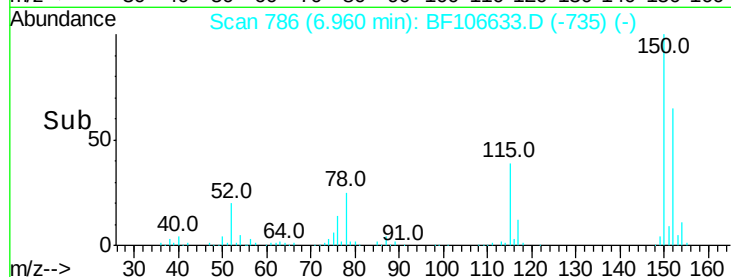
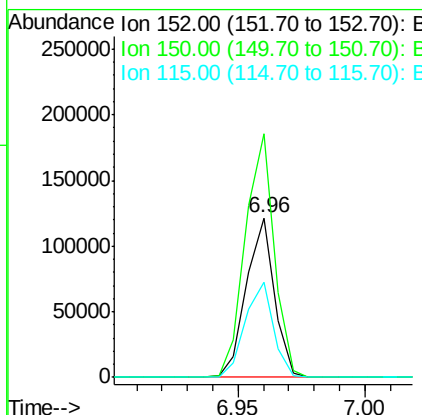
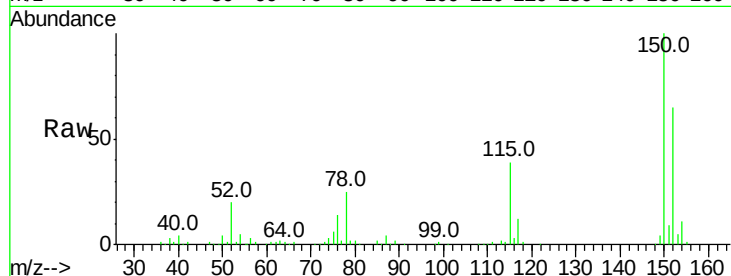
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	59.4	50.1	75.1

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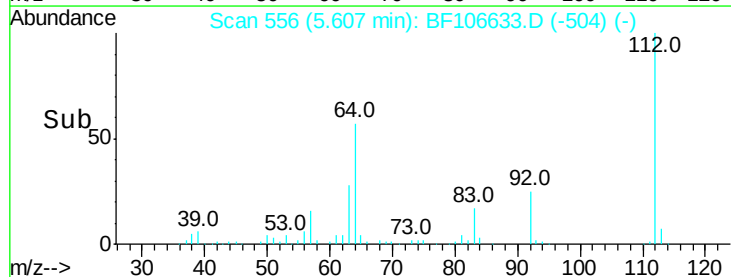
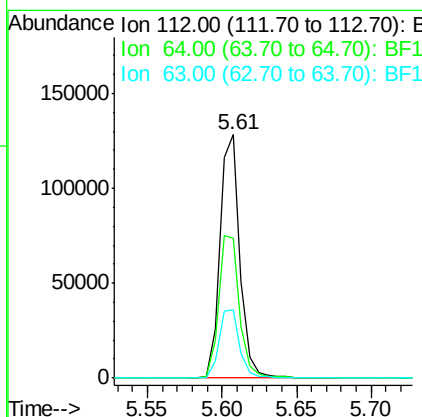
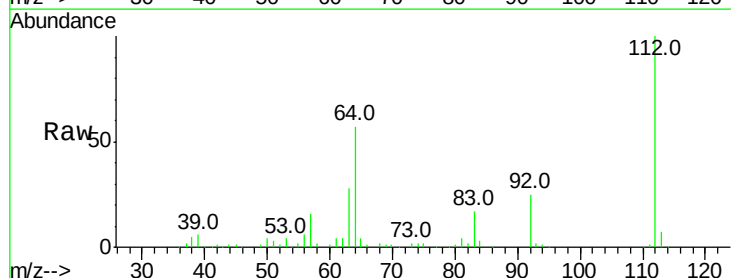
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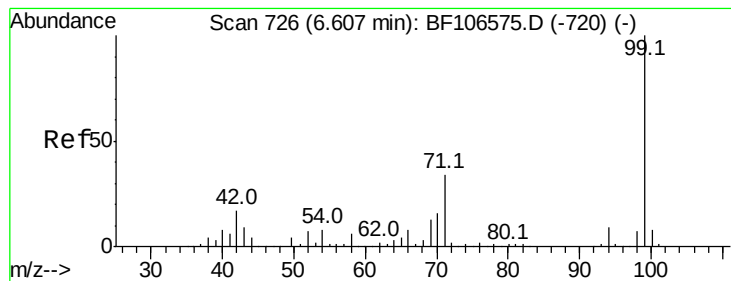


#5

2-Fluorophenol
Concen: 21.701 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 22.741 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

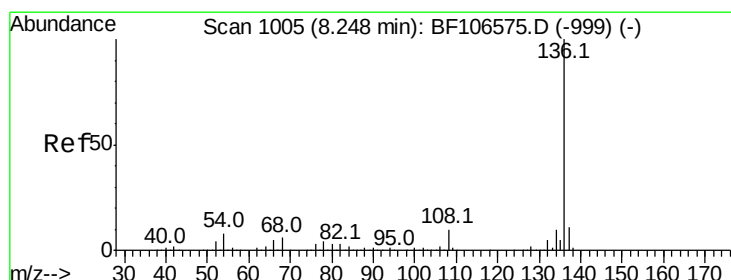
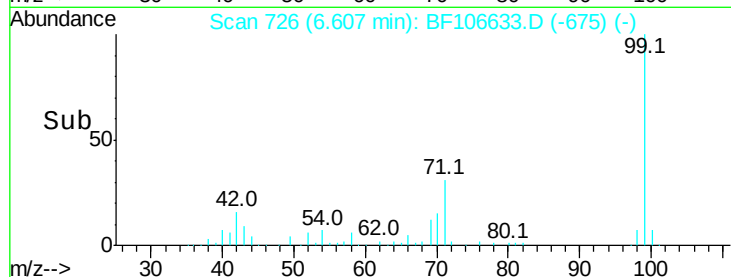
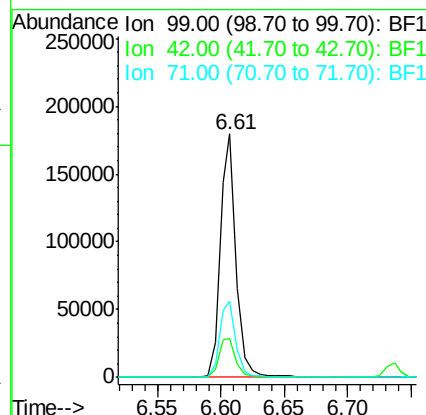
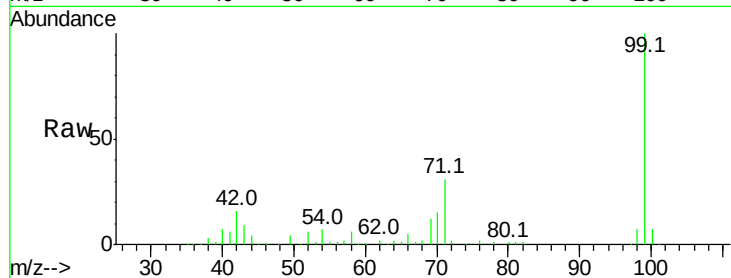
ClientSampleId :

PL-01-061818-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		157234		
42	16.1	14.5	21.7		
71	31.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

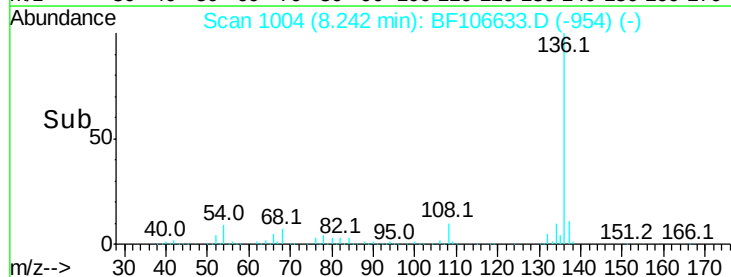
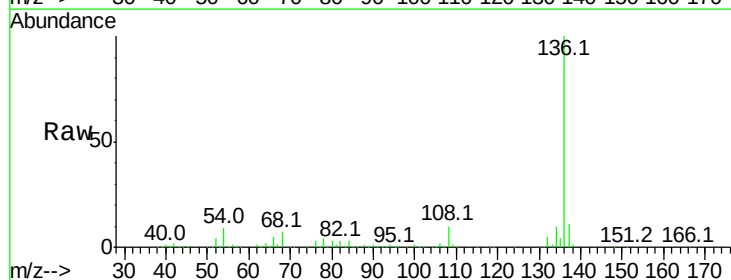
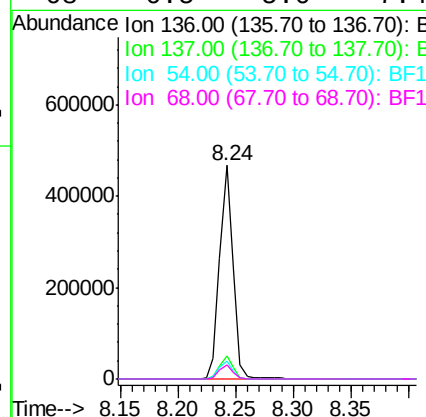
RT: 8.24 min Scan# 1004

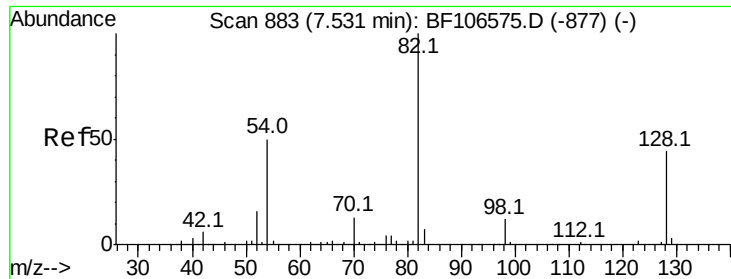
Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		378291		
137	11.1	8.9	13.3		
54	8.6	6.6	9.8		
68	6.5	5.0	7.4		





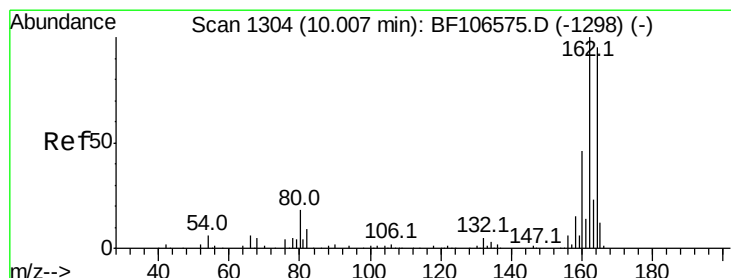
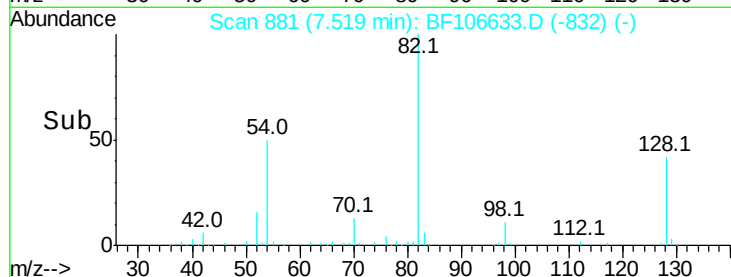
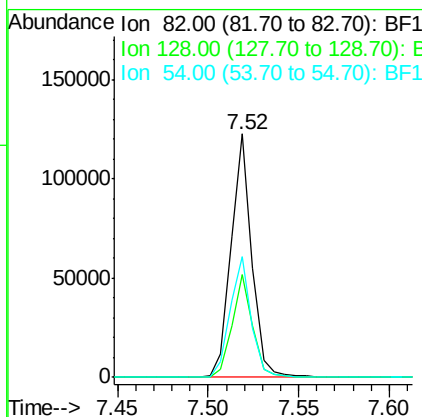
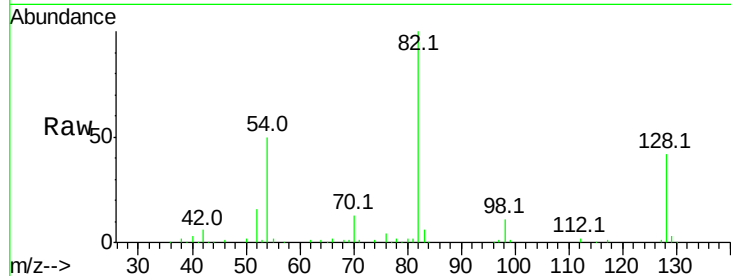
#23
Nitrobenzene-d5
Concen: 14.343 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	49.7	41.4	62.2

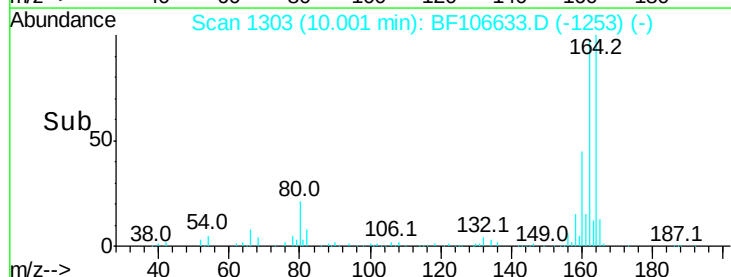
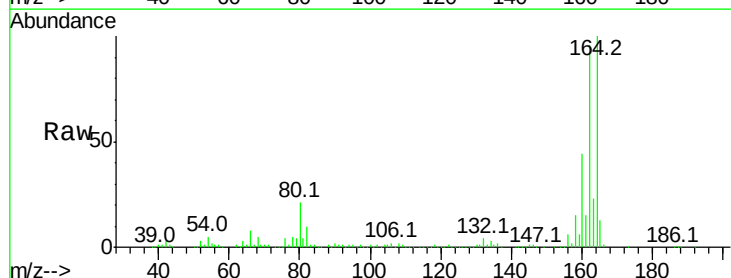
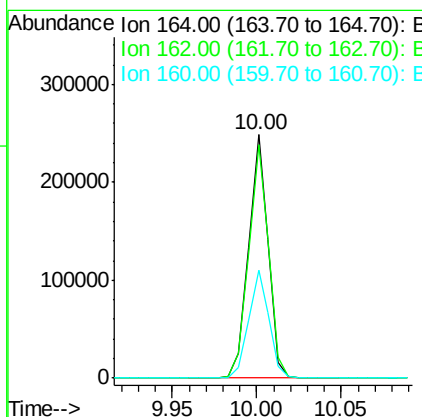
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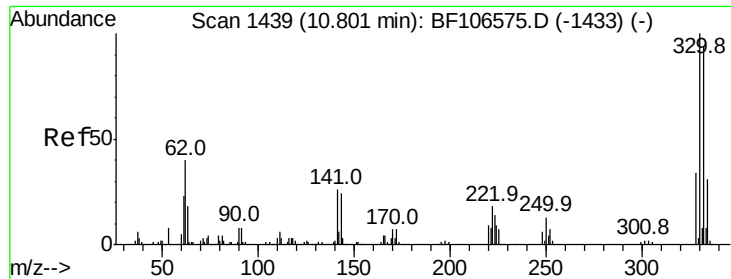
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.9	86.1	129.1
160	44.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 21.469 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

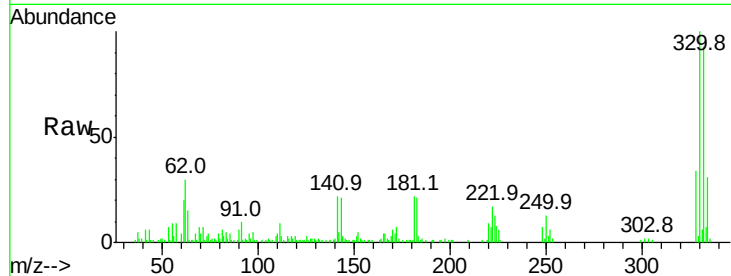
ClientSampleId :

PL-01-061818-A

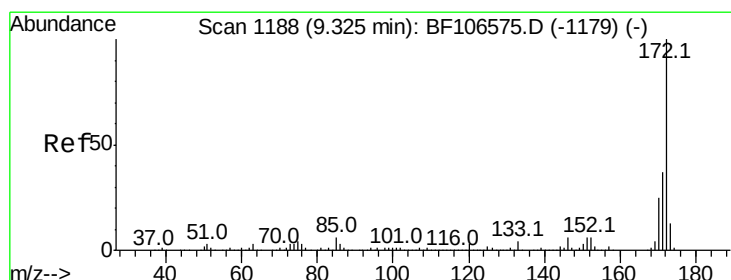
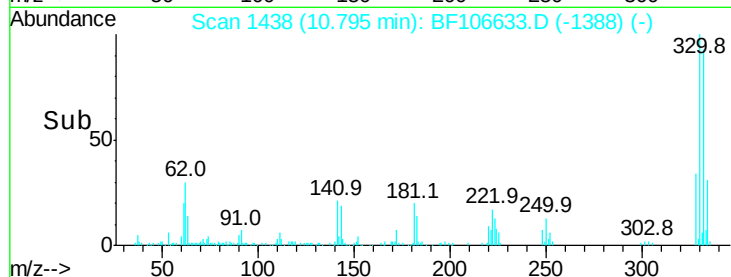
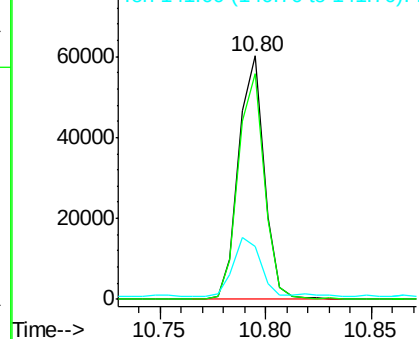
Tot Ion:	330	Resp:	50272
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.0	115.6
141	26.5	29.9	44.9#

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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: 3.599 ng

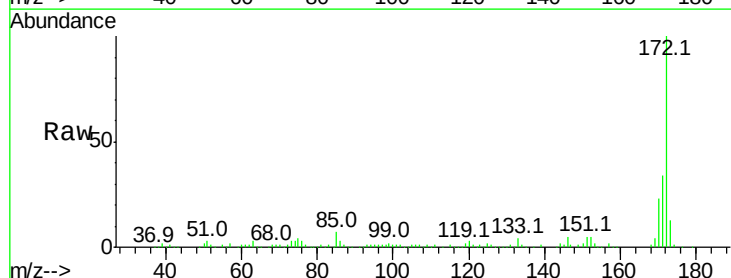
RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

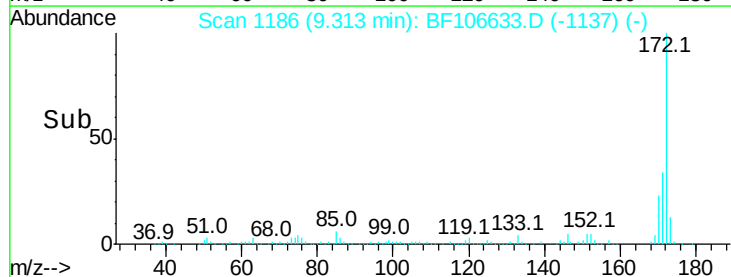
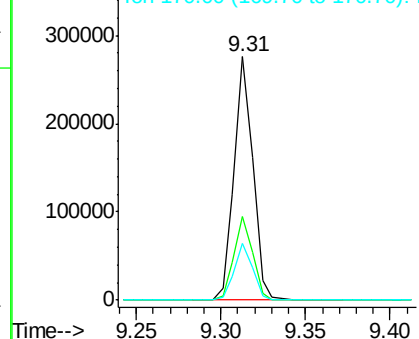
Lab File: BF106633.D

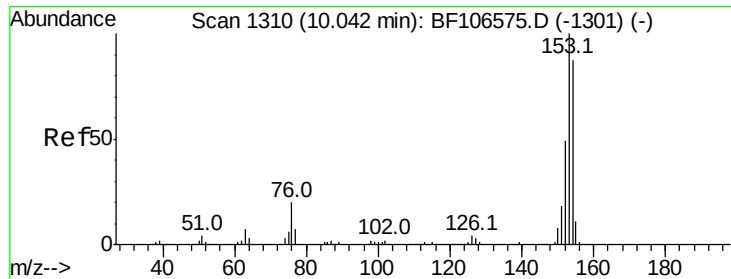
Acq: 20 Jun 2018 21:28

Tgt Ion:	172	Resp:	211569
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.7	44.5
170	23.1	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





#51

Acenaphthene

Concen: 2.831 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

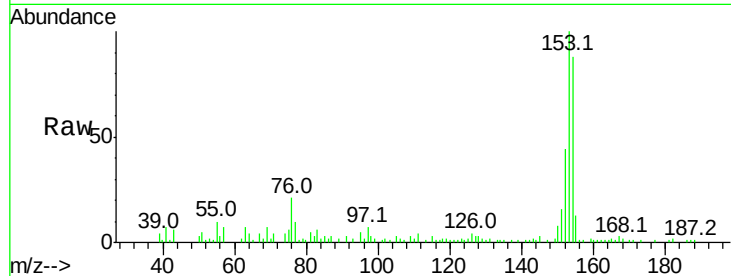
ClientSampleId :

PL-01-061818-A

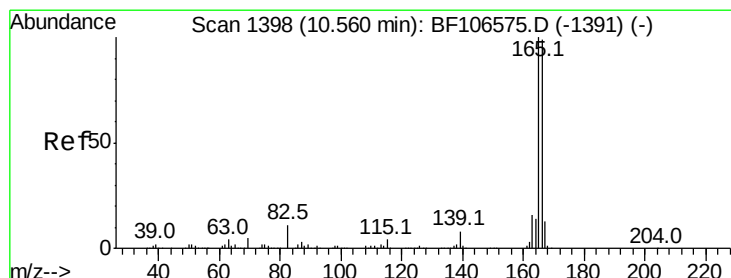
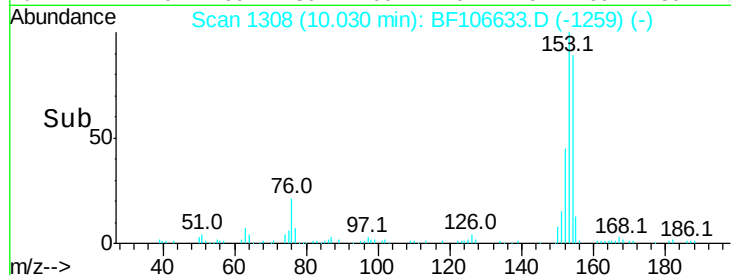
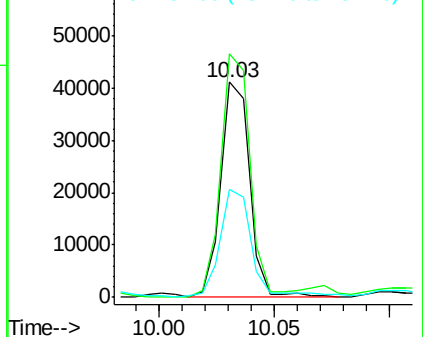
Tot Ion:	154	Resp:	35675
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.2	136.8
152	50.0	43.8	65.8

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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



#57

Fluorene

Concen: 4.996 ng

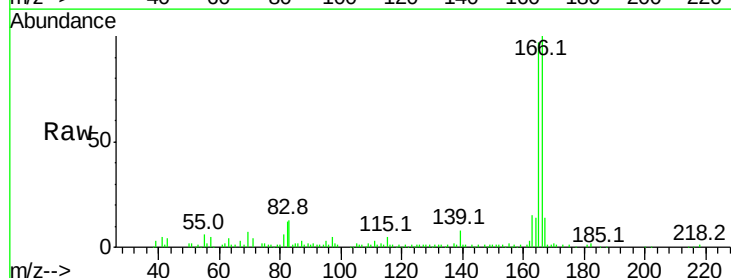
RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

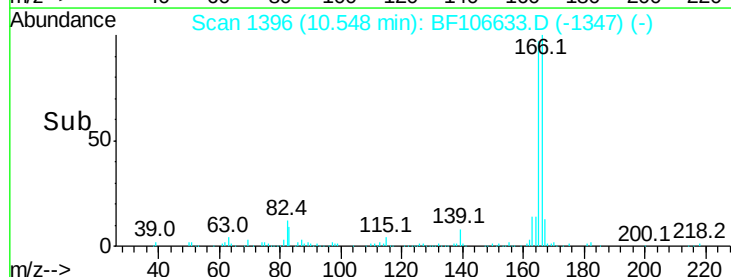
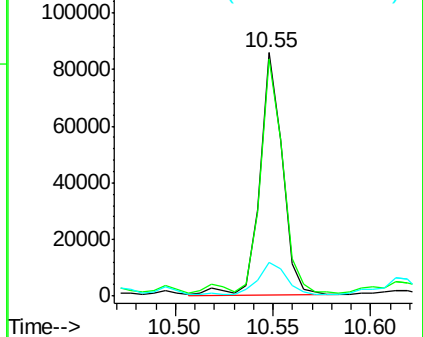
Lab File: BF106633.D

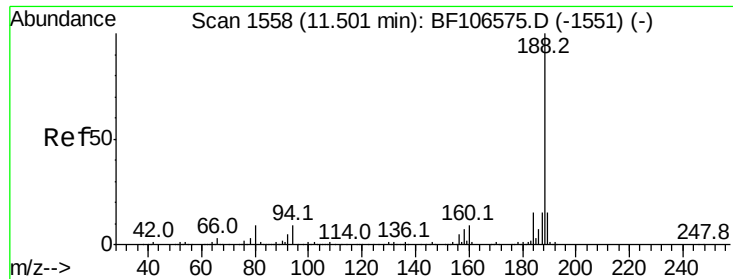
Acq: 20 Jun 2018 21:28

Tgt Ion:	166	Resp:	68402
Ion Ratio	Lower	Upper	
166	100		
165	97.4	79.8	119.8
167	13.6	10.6	16.0



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





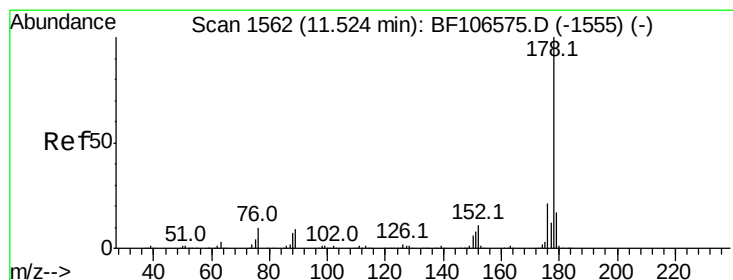
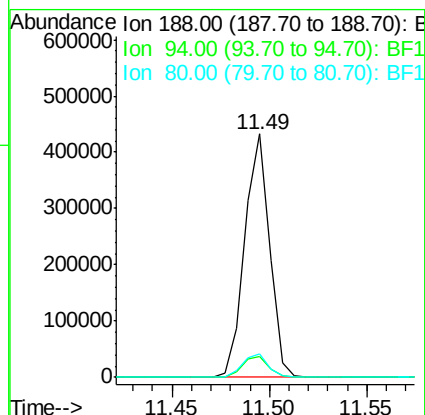
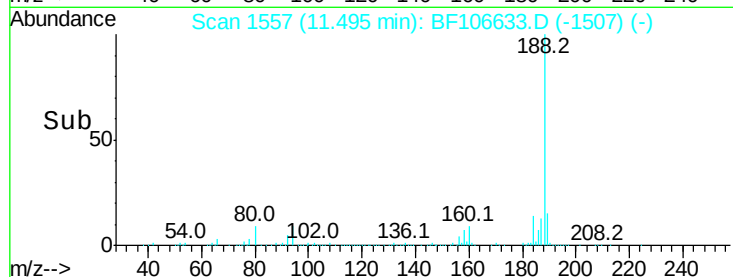
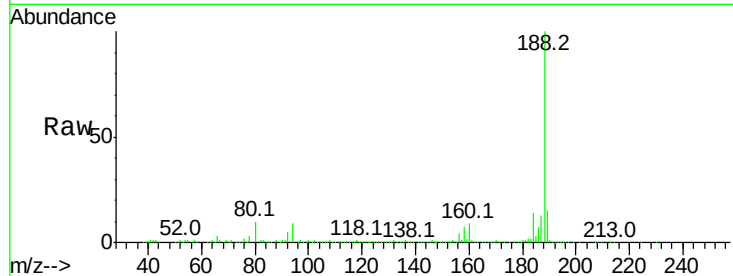
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		381823		
94	8.7		8.5	12.7	
80	9.6		9.2	13.8	

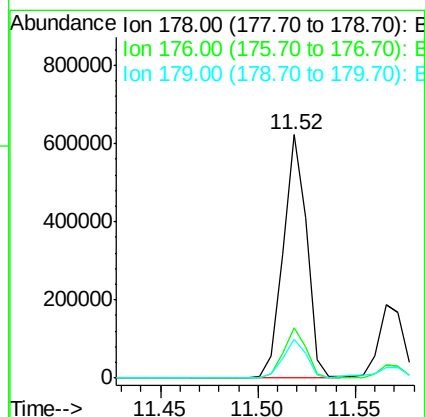
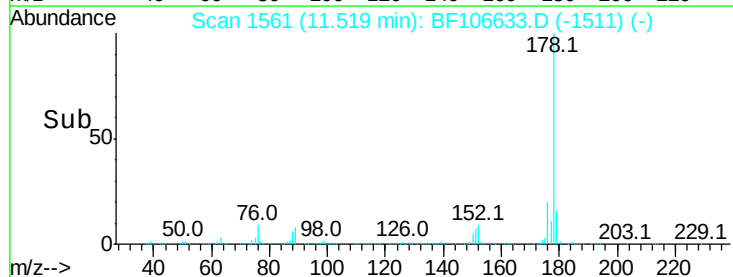
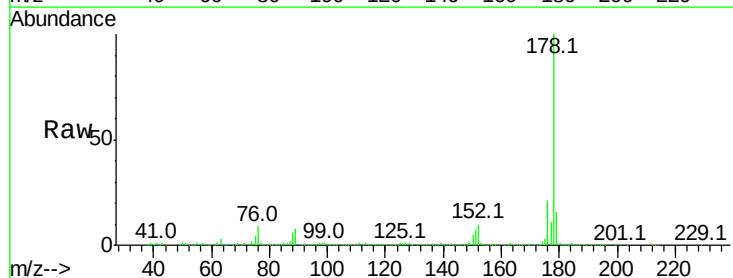
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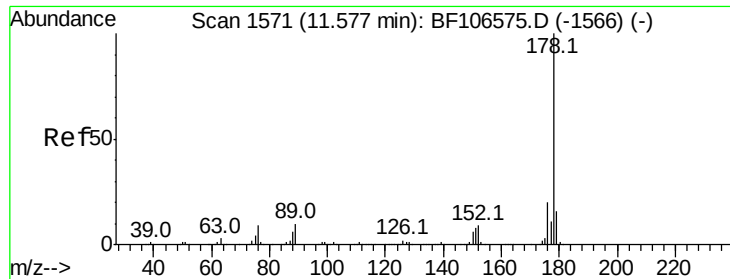
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#70
Phenanthrene
Concen: 28.048 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		516539		
176	20.5		15.8	23.8	
179	15.8		13.0	19.6	





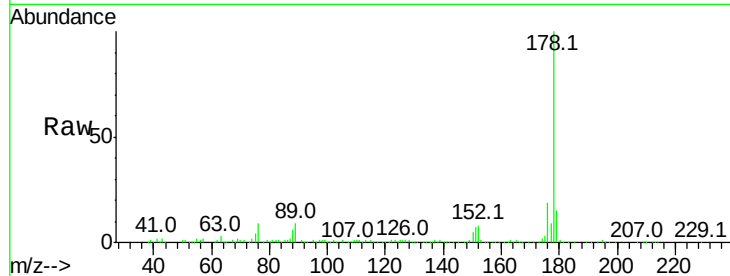
#71
 Anthracene
 Concen: 8.499 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-A

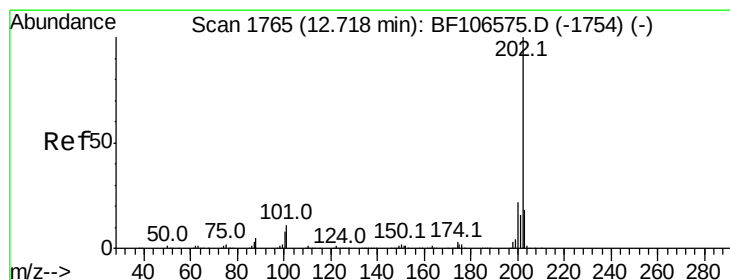
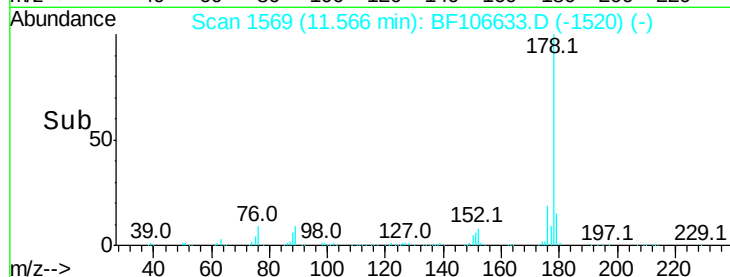
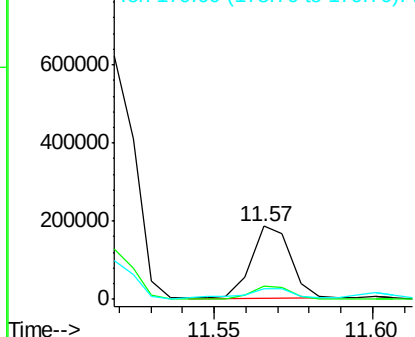
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0

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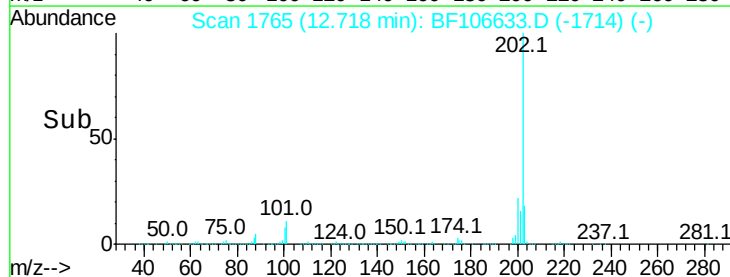
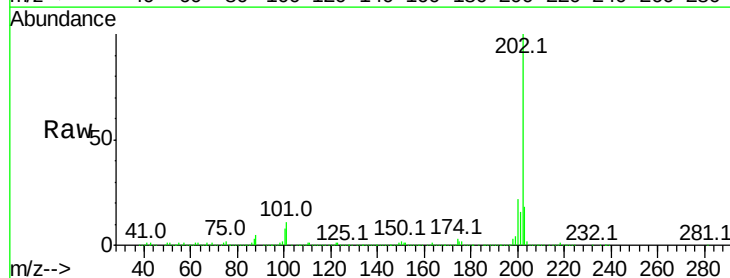
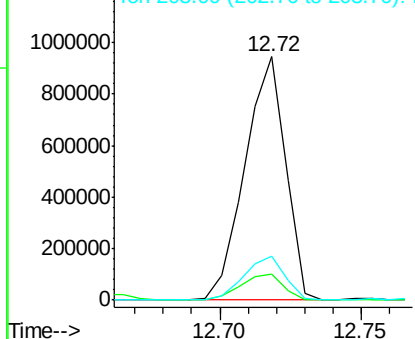
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

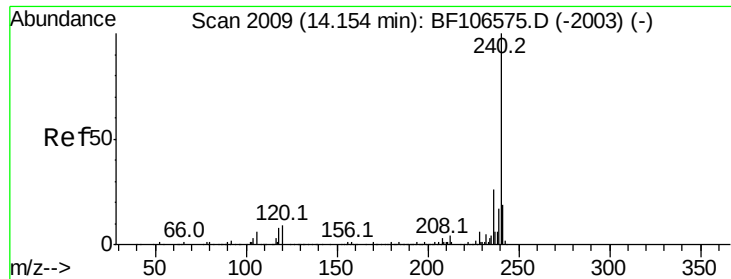


#74
 Fluoranthene
 Concen: 46.379 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF106633.D
 Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	18.3	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

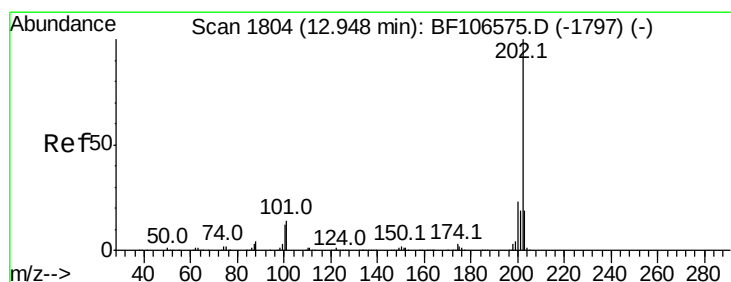
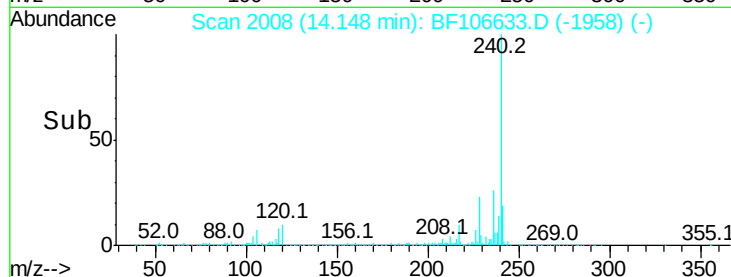
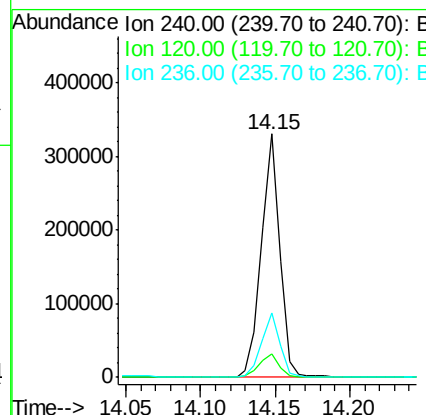
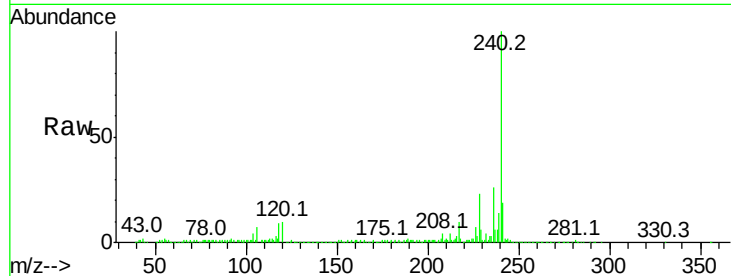
ClientSampleId :

PL-01-061818-A

Tot Ion:	240	Resp:	278844
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 45.057 ng

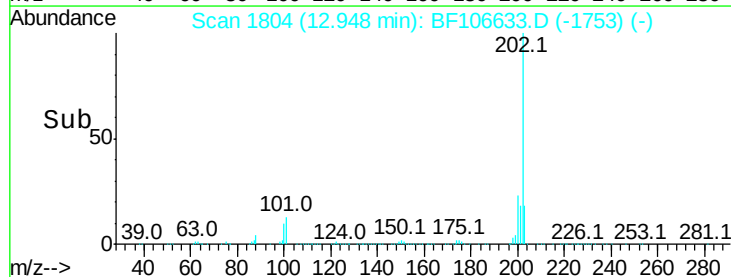
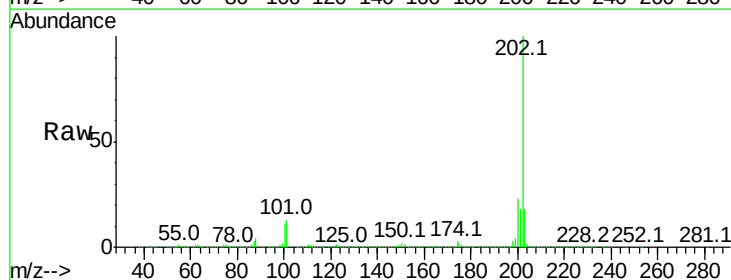
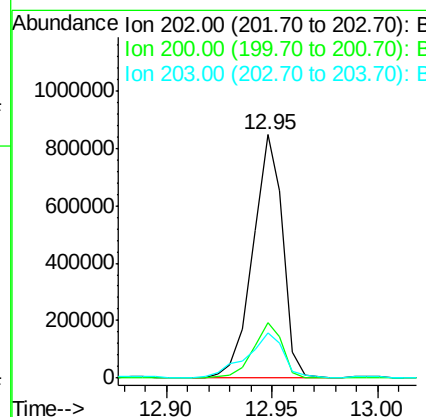
RT: 12.95 min Scan# 1804

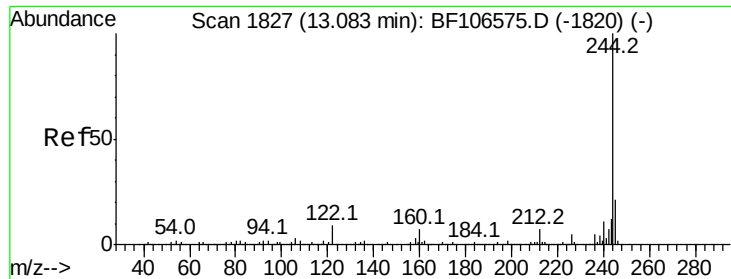
Delta R.T. 0.00 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Tgt Ion:	202	Resp:	828501
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 18.949 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Instrument :

BNA_F

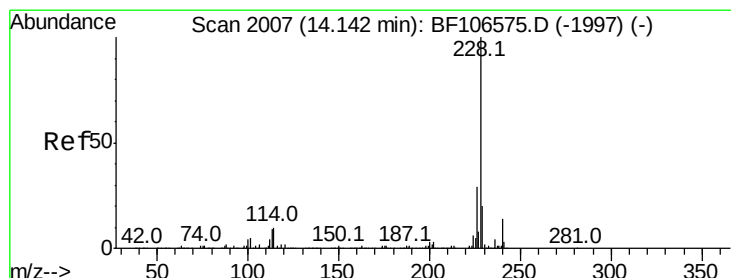
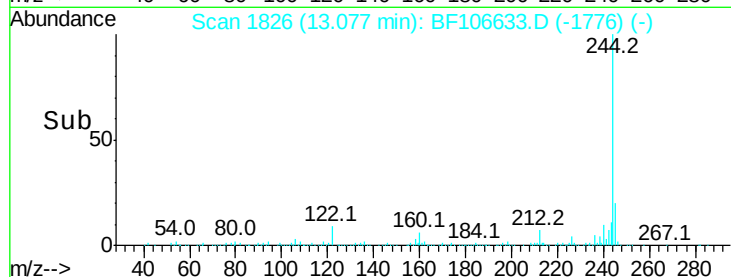
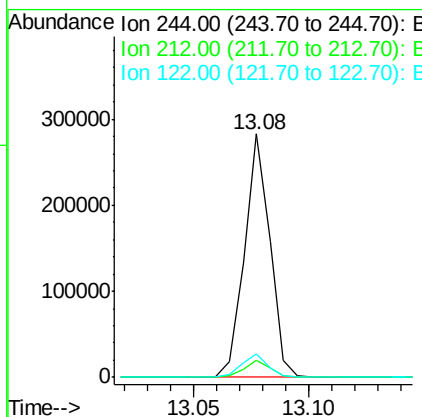
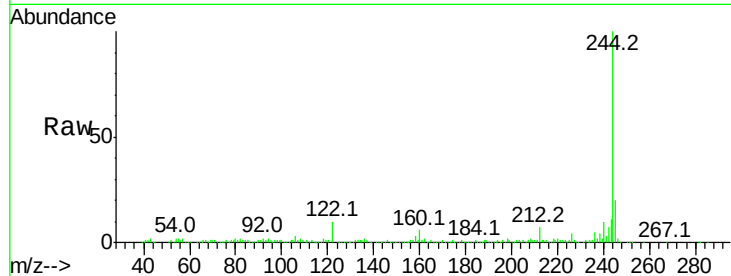
ClientSampleId :

PL-01-061818-A

Tot Ion:	244	Resp:	218129
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	9.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 26.276 ng

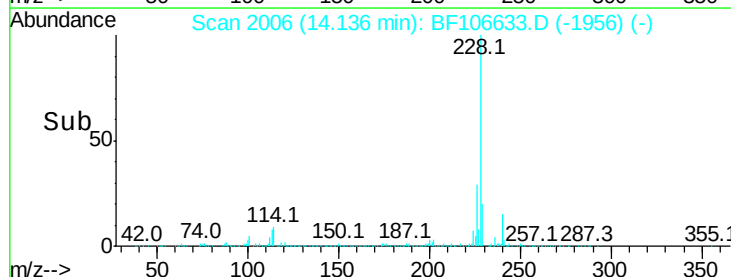
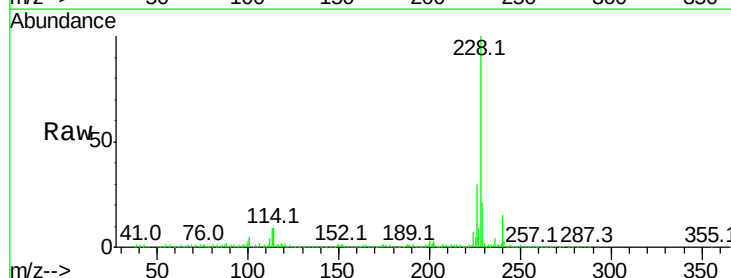
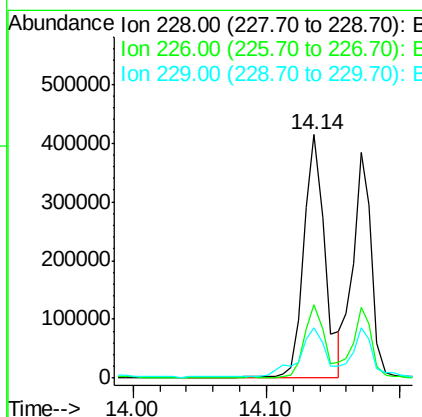
RT: 14.14 min Scan# 2006

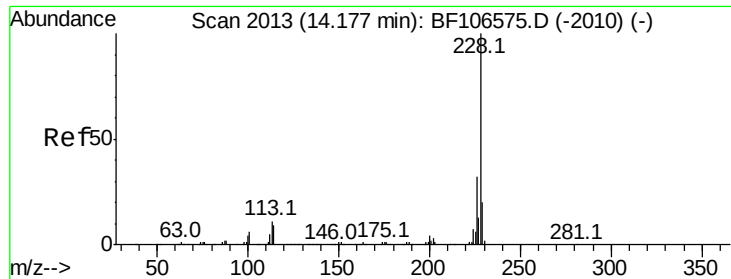
Delta R.T. -0.01 min

Lab File: BF106633.D

Acq: 20 Jun 2018 21:28

Tgt Ion:	228	Resp:	446559
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	20.7	15.8	23.6





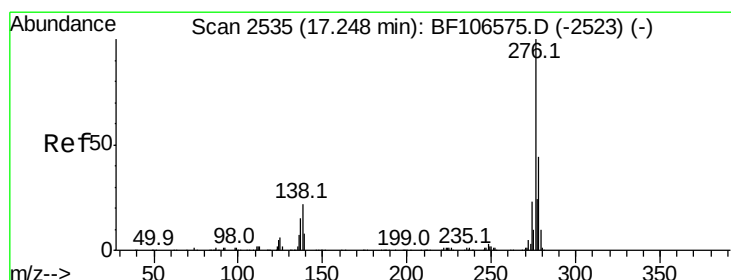
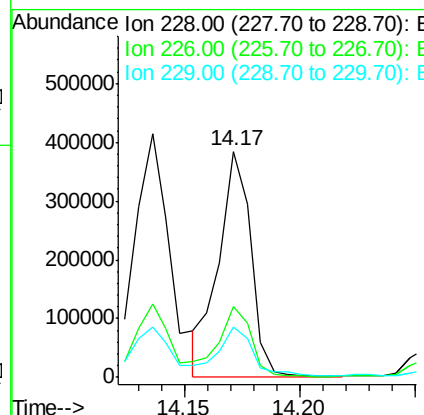
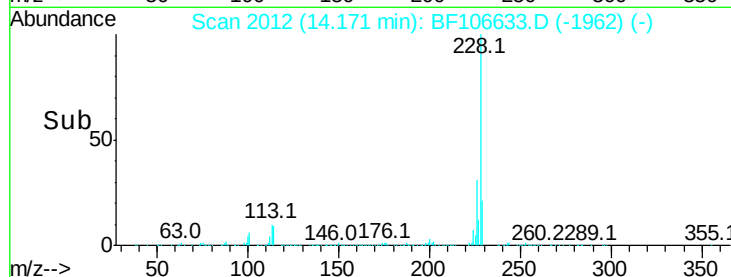
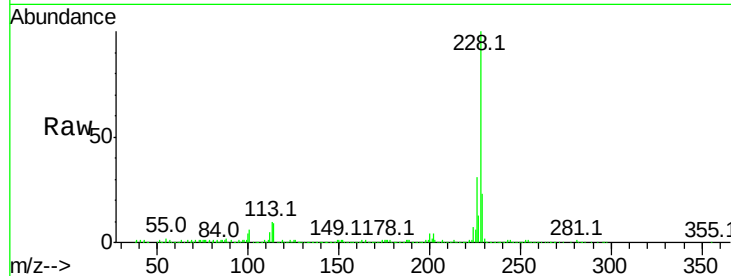
#82
Chrysene
Concen: 23.753 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.5	16.2	24.4

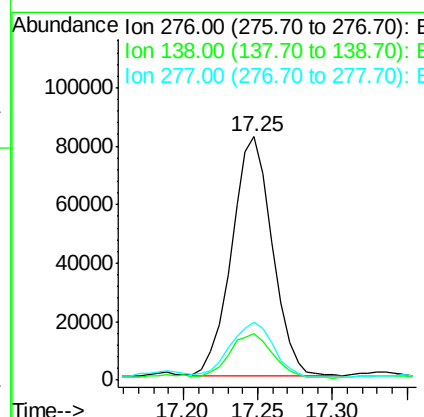
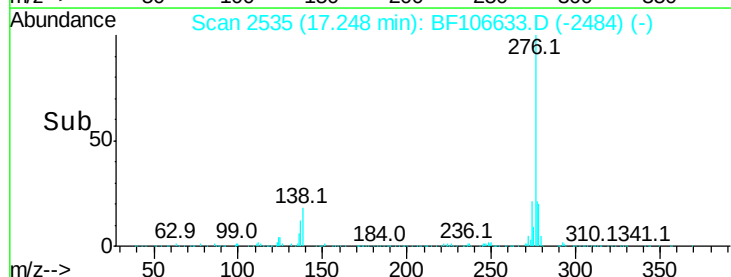
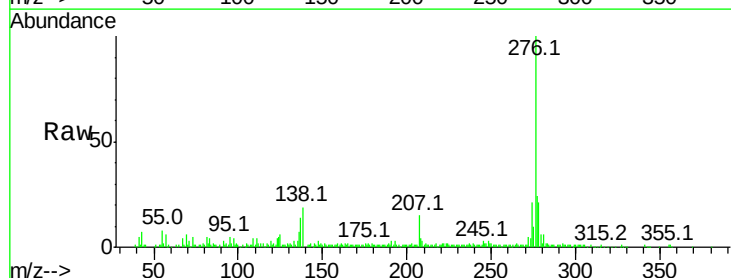
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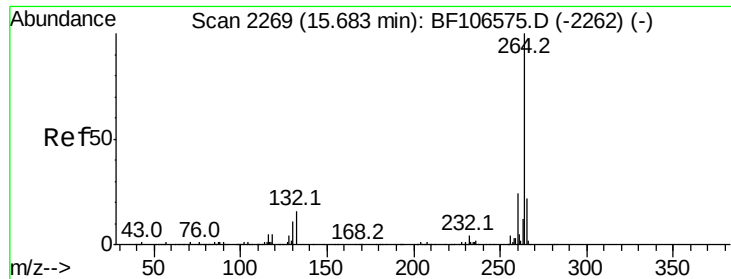
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.633 ng
RT: 17.25 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.0	37.6#
277	25.1	20.1	30.1





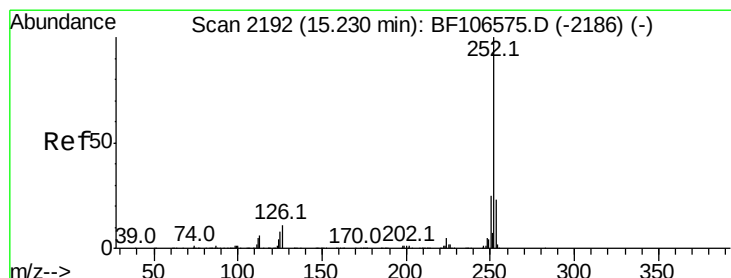
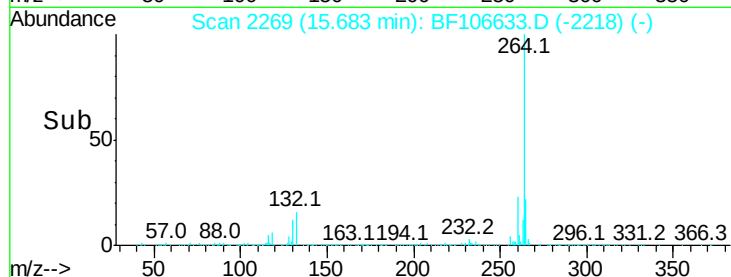
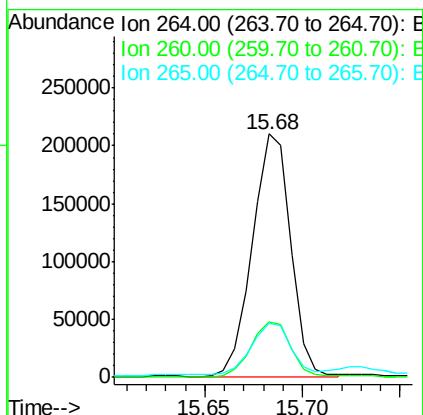
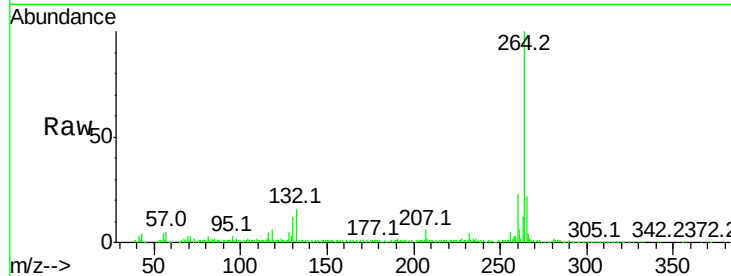
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.5	17.5	26.3

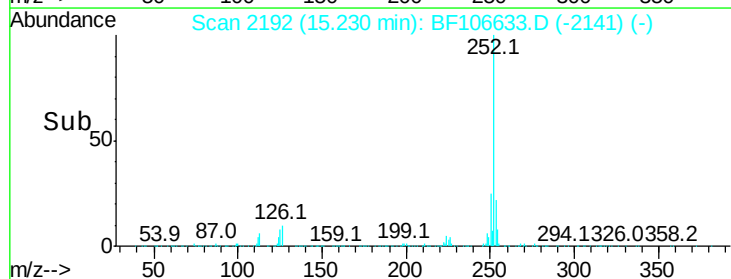
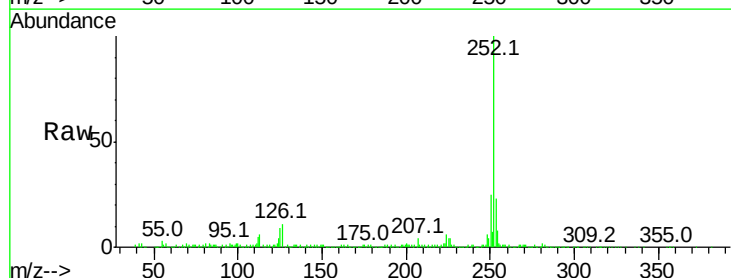
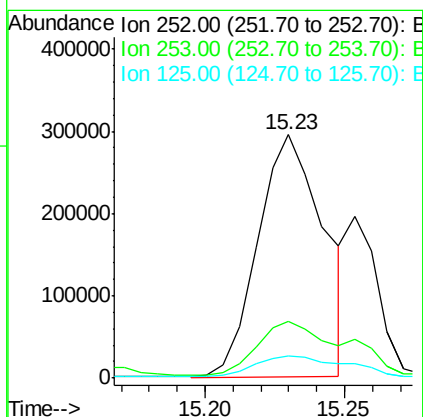
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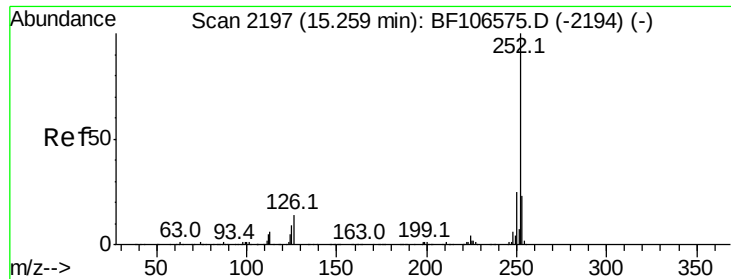
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#87
Benzo(b)fluoranthene
Concen: 27.502 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.9	9.0	13.6#





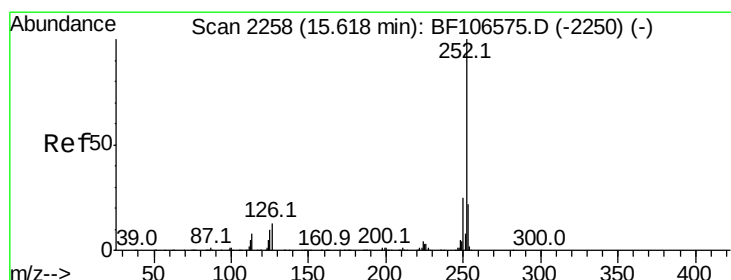
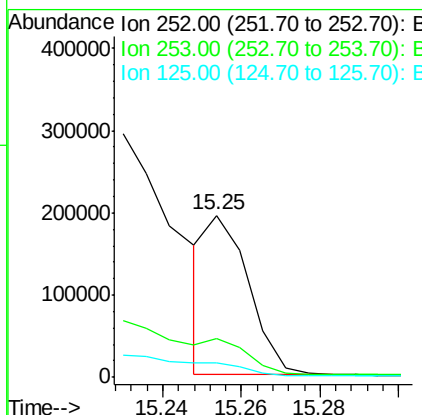
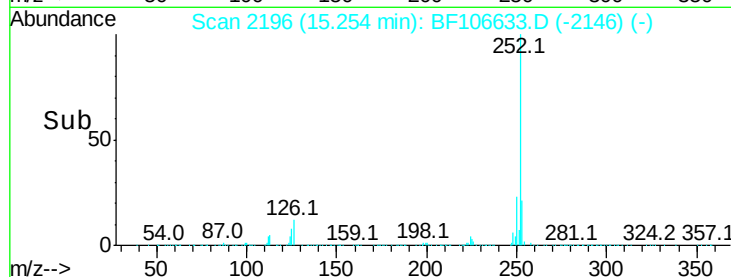
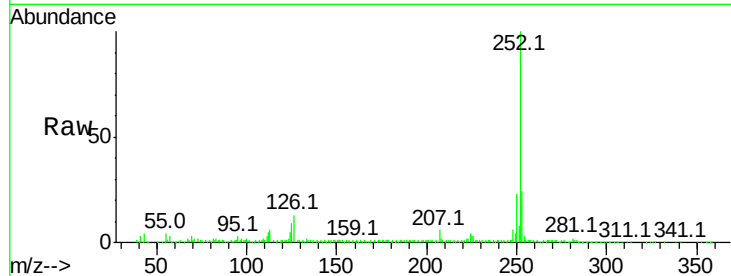
#88
Benzo(k)fluoranthene
Concen: 8.590 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	9.2	10.2	15.2#

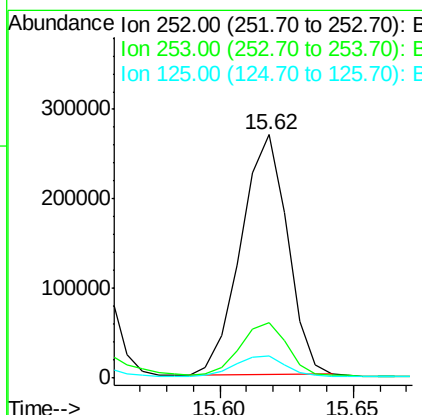
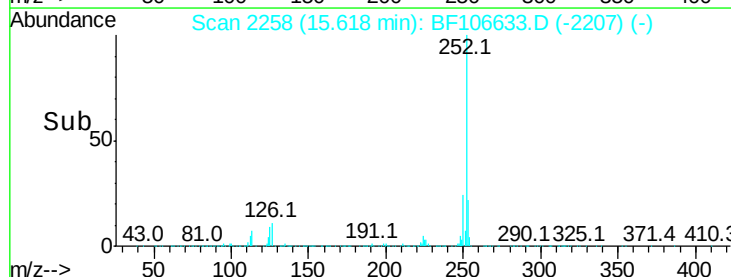
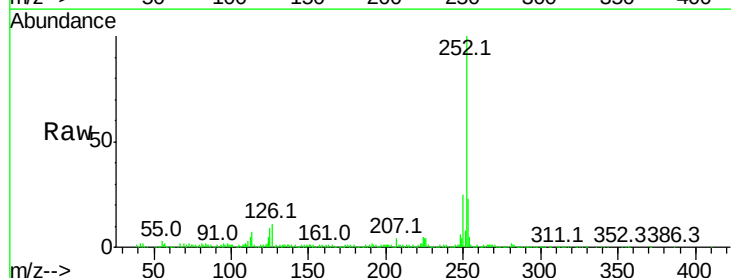
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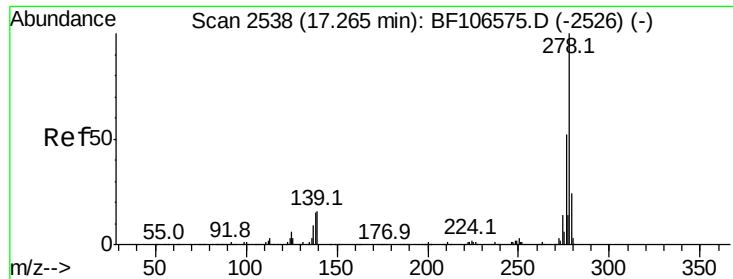
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#89
Benzo(a)pyrene
Concen: 20.700 ng m
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	9.3	9.8	14.6#





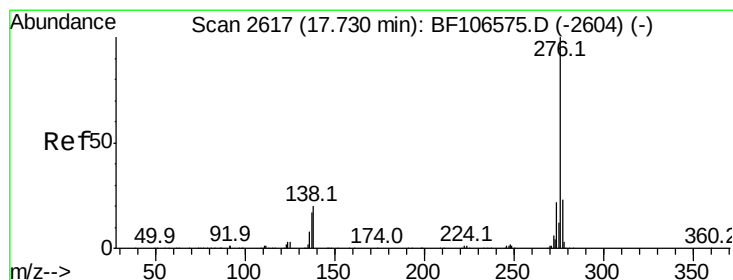
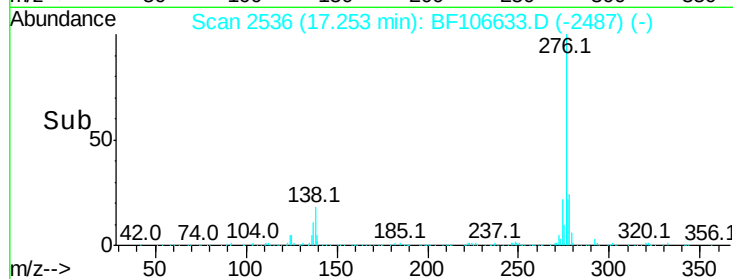
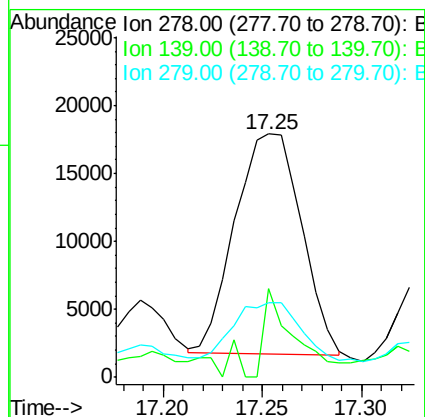
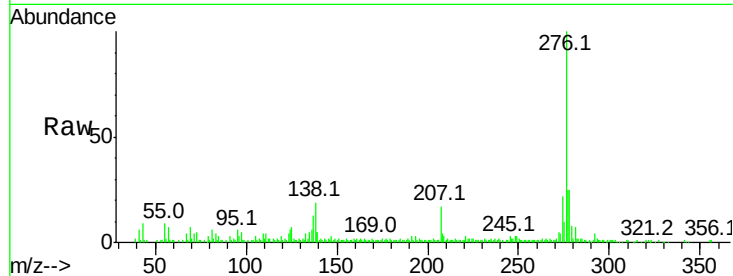
#90
Dibenzo(a,h)anthracene
Concen: 2.814 ng m
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.9	23.9
279	30.6	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.918 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF106633.D
Acq: 20 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	21.5	21.8	32.8

