

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106459.D
 Acq On : 14 Jun 2018 22:51
 Operator : JU/SJ
 Sample : J3471-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #1

Manual Integrations
 APPROVED

Sohil
 6/15/2018 11:16:55 AM

Quant Time: Jun 15 04:00:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	117427	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	422935	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	171641	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	301085	20.00	ng	0.00
75) Chrysene-d12	14.15	240	284803	20.00	ng	-0.01
86) Perylene-d12	15.68	264	196648	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	698385	100.66	ng	0.00
7) Phenol-d6	6.61	99	847241	96.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	536198	74.58	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	177562	107.52	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	813146	83.74	ng	0.00
78) Terphenyl-d14	13.08	244	769687	67.12	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	95679	7.802	ng	99
70) Phenanthrene	11.52	178	41540	2.817	ng	97
74) Fluoranthene	12.71	202	109941	6.991	ng	98
77) Pyrene	12.95	202	107144	6.009	ng	97
80) Benzo(a)anthracene	14.14	228	54336	3.206	ng	97
82) Chrysene	14.17	228	52215	3.374	ng	99
83) Bis(2-ethylhexyl)phthalate	14.11	149	90090	9.414	ng	96
87) Benzo(b)fluoranthene	15.22	252	55606m	4.678	ng	
89) Benzo(a)pyrene	15.61	252	34607	3.237	ng	# 86
91) Benzo(g,h,i)perylene	17.72	276	23461	2.708	ng	96

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

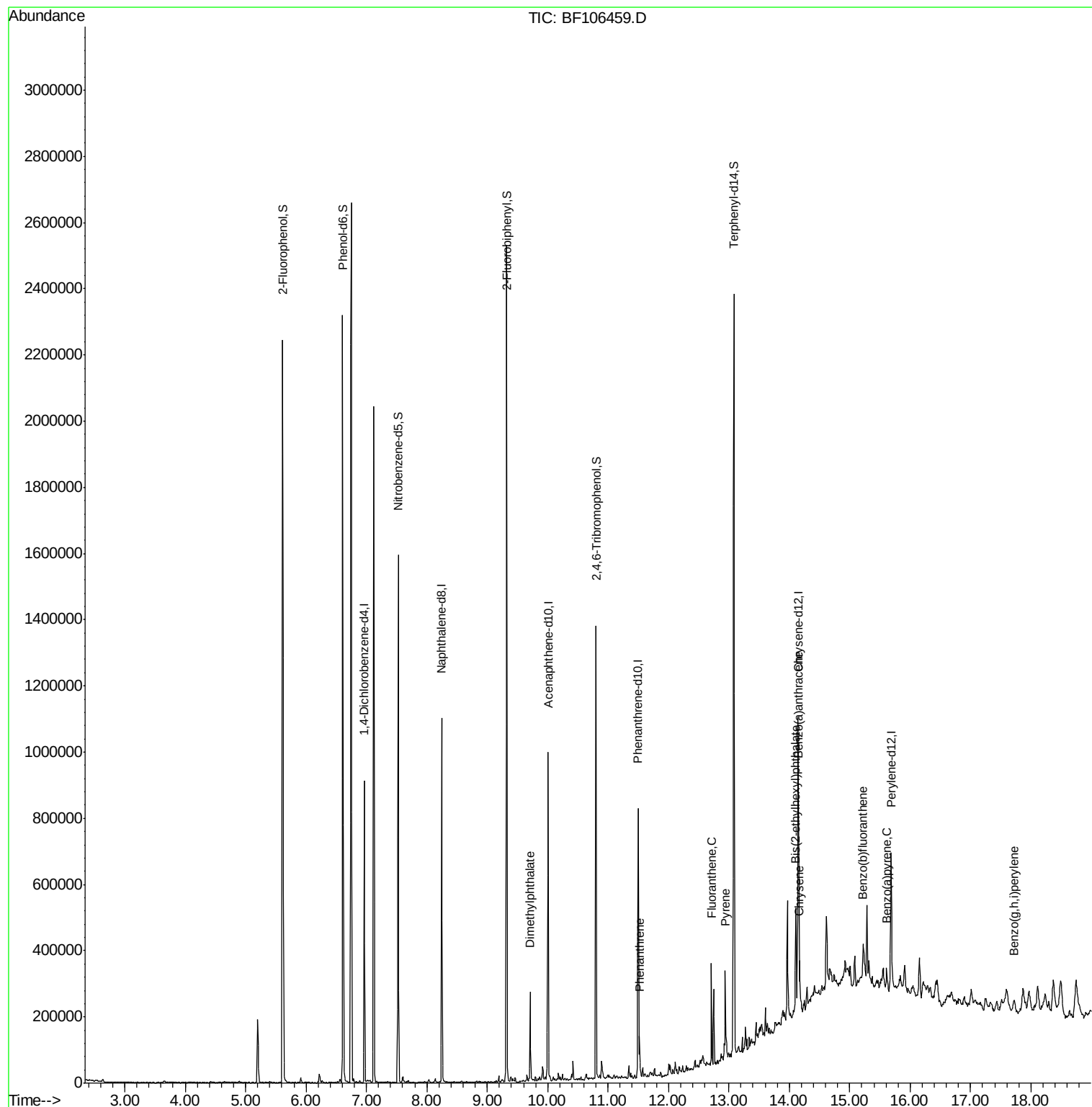
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

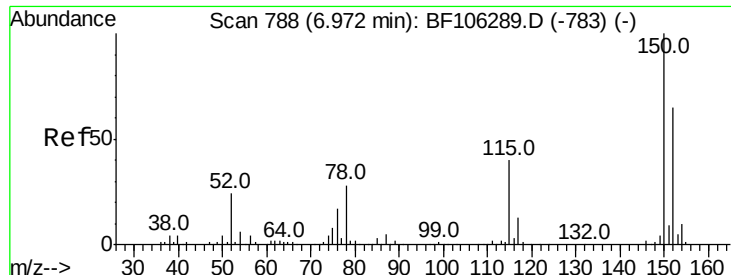
Instrument :
BNA_F
ClientSampleId :
#1

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#1

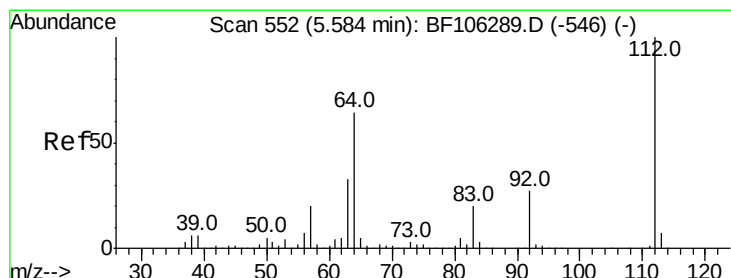
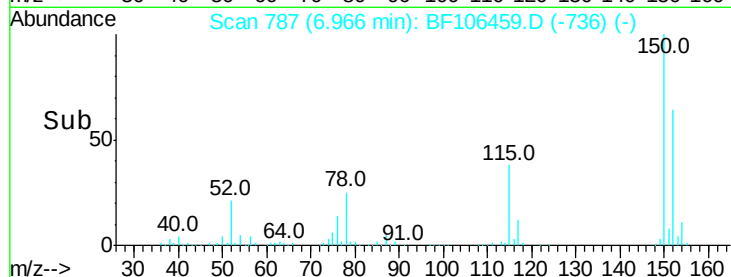
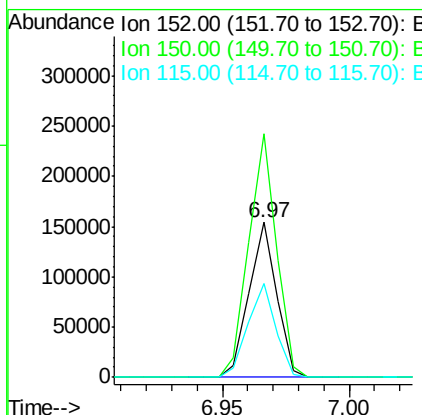
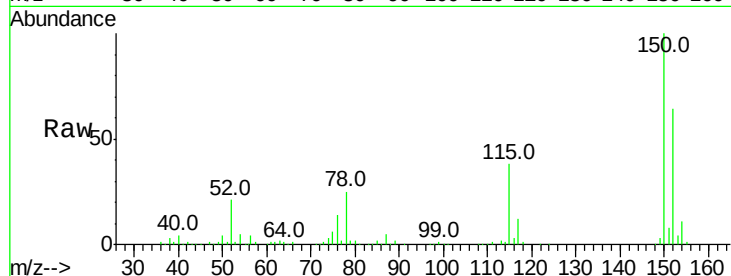
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampleId :
#1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.4	50.1	75.1

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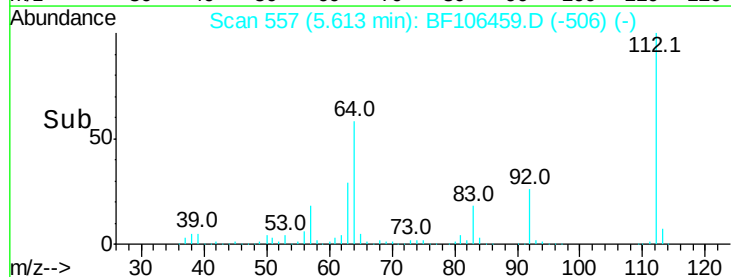
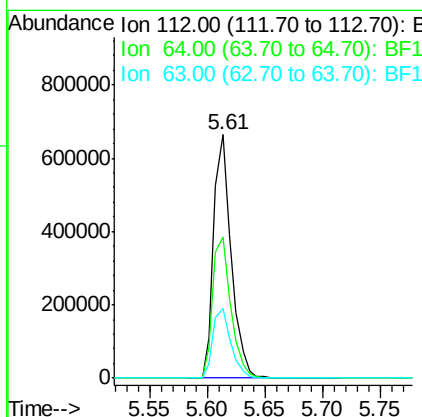
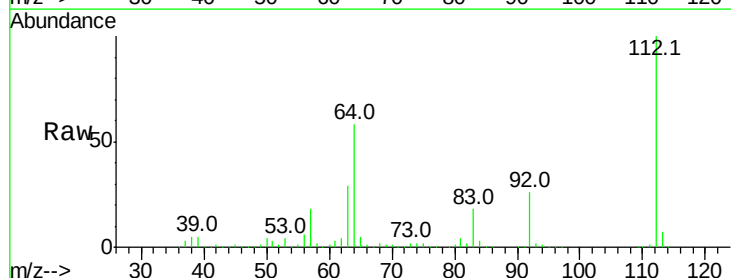
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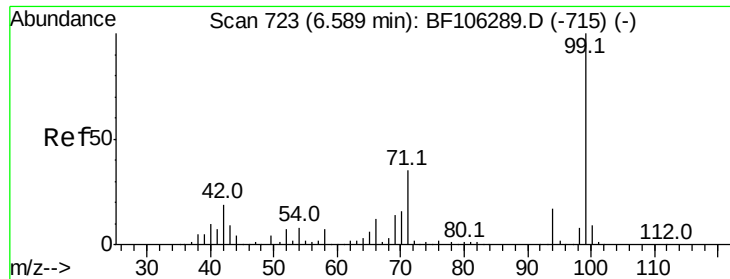


#5

2-Fluorophenol
Concen: 100.660 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 96.655 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

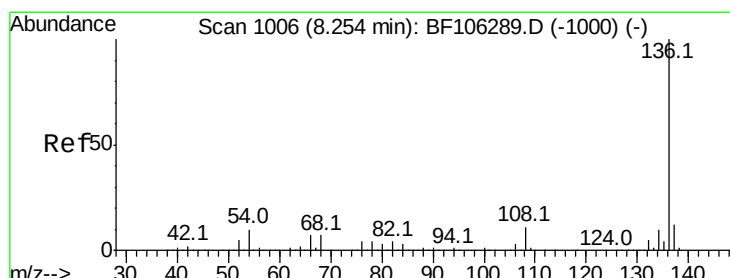
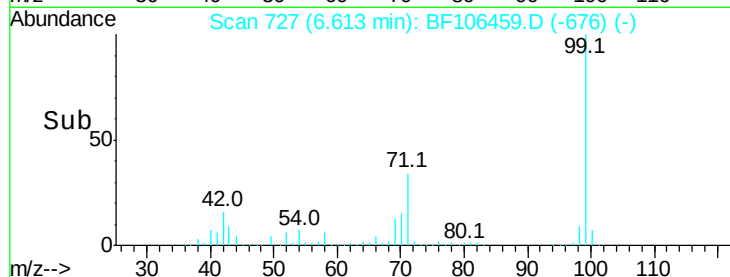
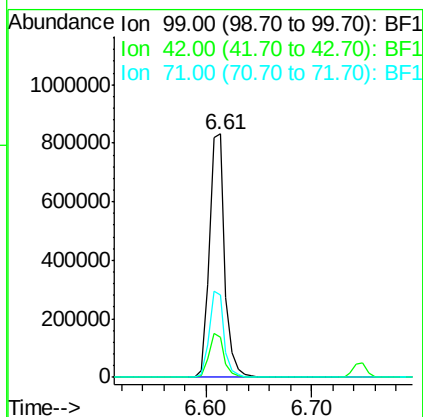
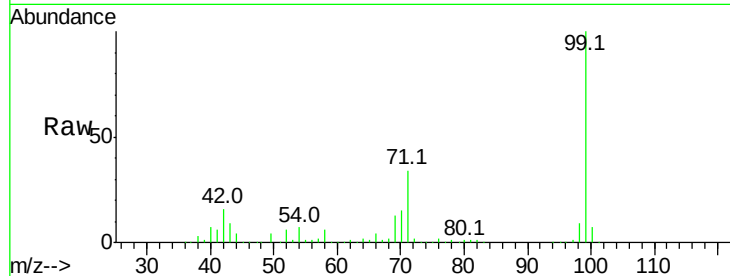
ClientSampled :

#1

Tot Ion:	99	Resp:	847241
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.5	21.7
71	33.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

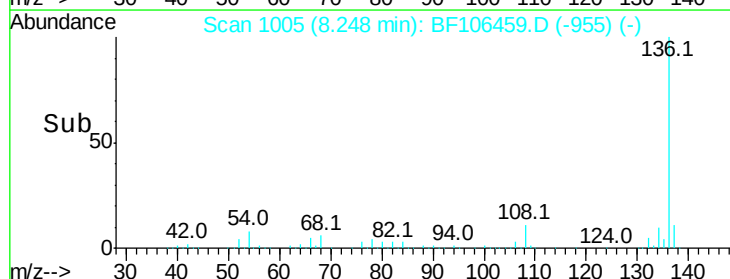
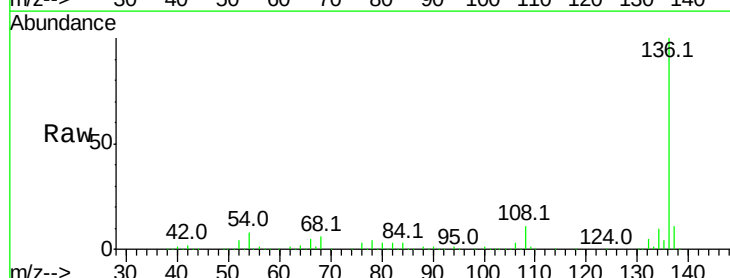
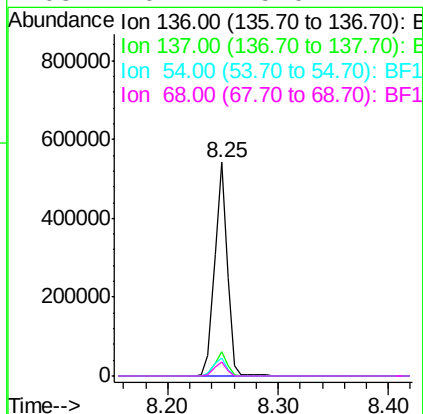
RT: 8.25 min Scan# 1005

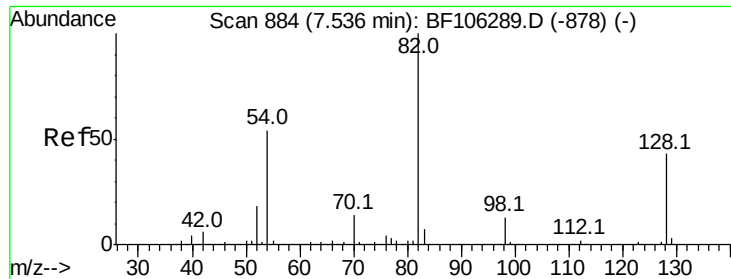
Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion:	136	Resp:	422935
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	6.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 74.583 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

ClientSampled :

#1

Tot Ion: 82 Resp: 536198

Ion Ratio Lower Upper

82 100

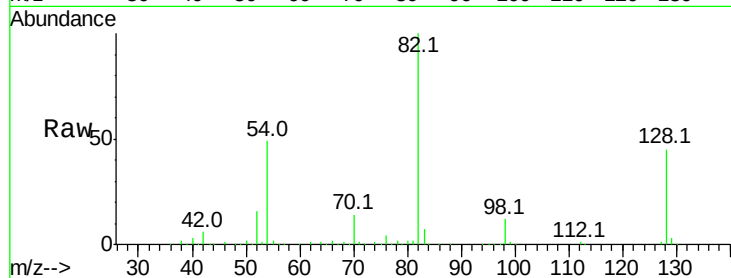
128 45.0 36.1 54.1

54 48.6 41.4 62.2

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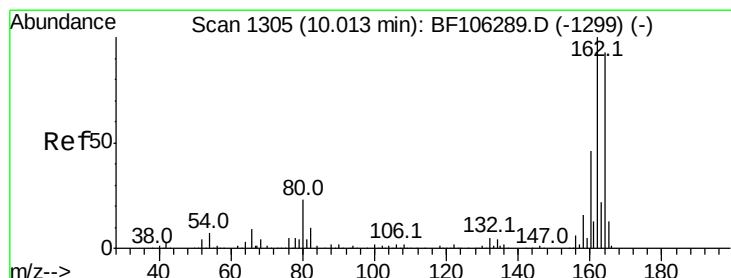
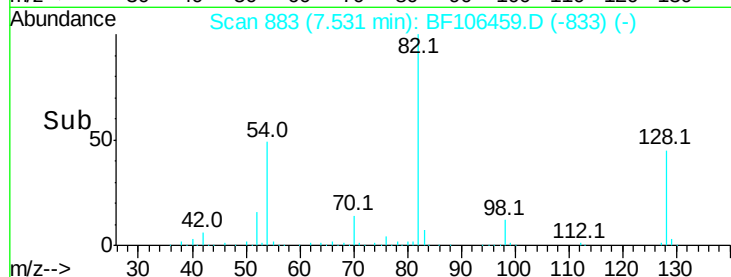
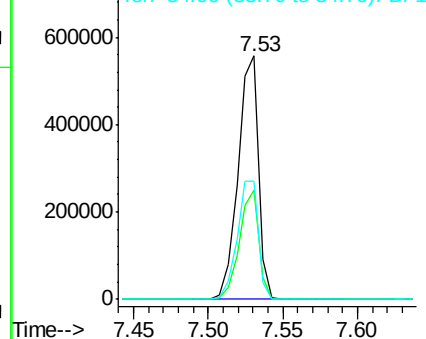
6/15/2018 11:16:55 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion: 164 Resp: 171641

Ion Ratio Lower Upper

164 100

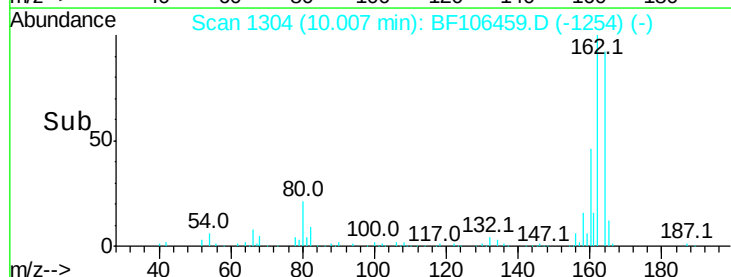
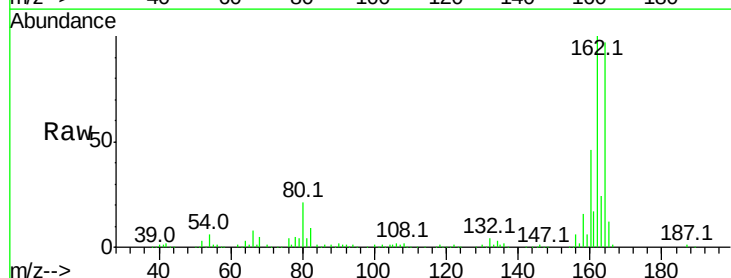
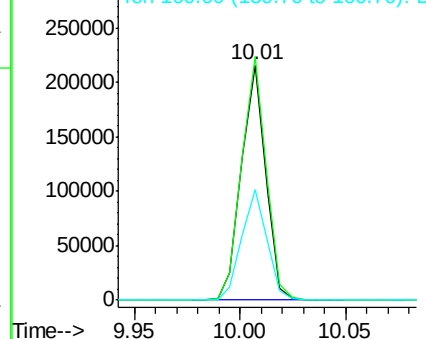
162 103.6 86.1 129.1

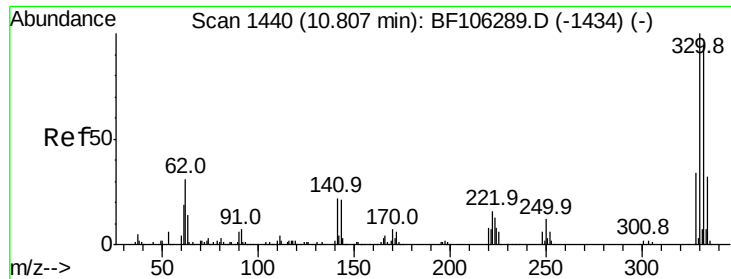
160 47.1 38.3 57.5

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





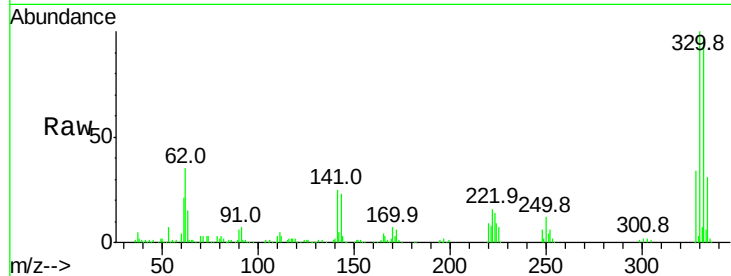
#41
 2,4,6-Tribromophenol
 Concen: 107.517 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Instrument :
 BNA_F
 ClientSampled :
 #1

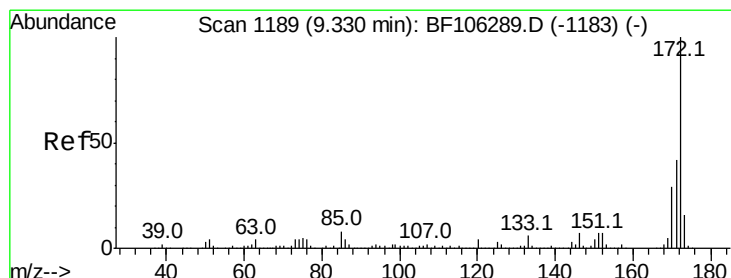
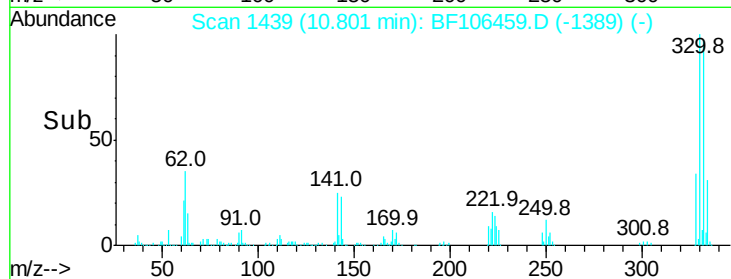
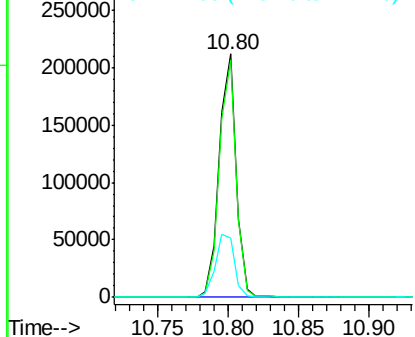
Tot Ion	Ratio	Resp	Lower	Upper
330	100	177562		
332	96.6	77.0	115.6	
141	29.3	29.9	44.9#	

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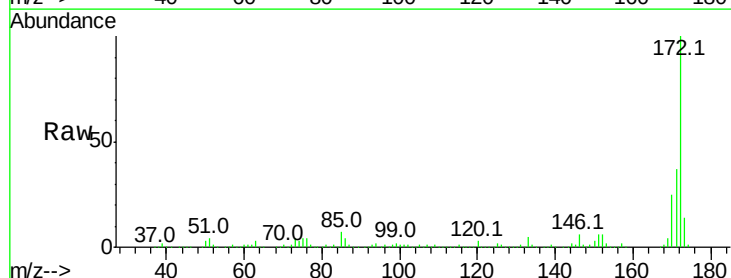


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

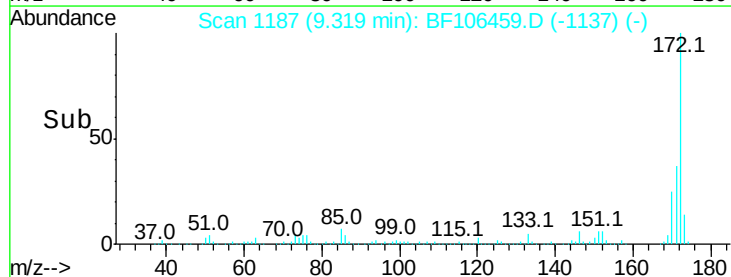
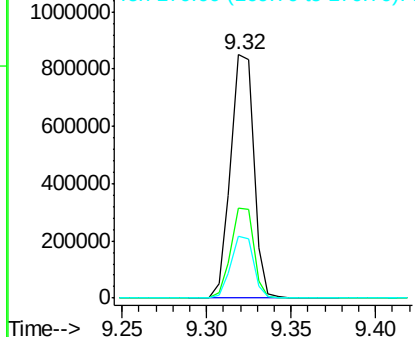


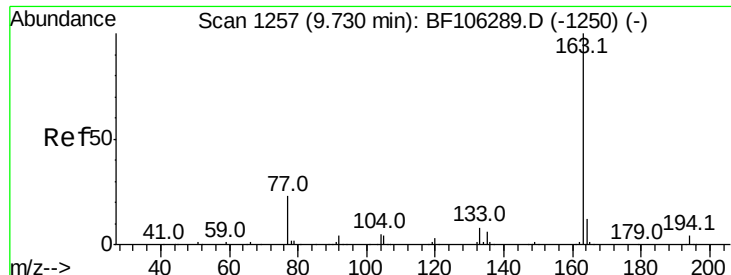
#44
 2-Fluorobiphenyl
 Concen: 83.737 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	813146		
171	37.1	29.7	44.5	
170	25.2	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





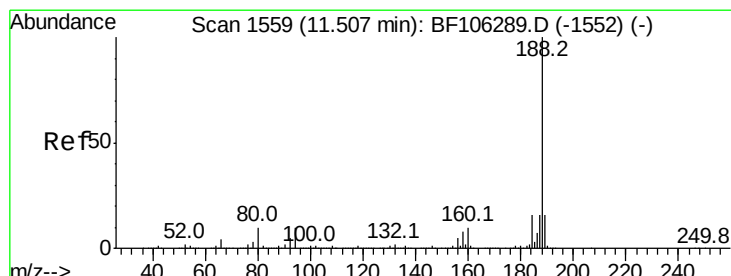
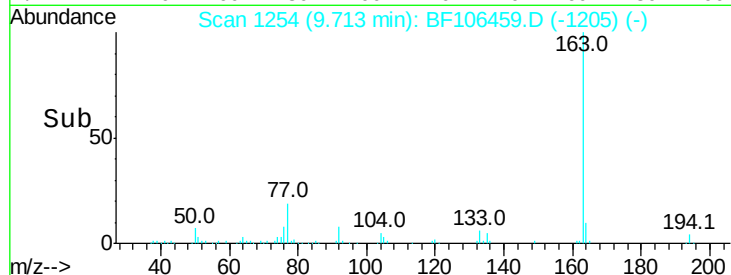
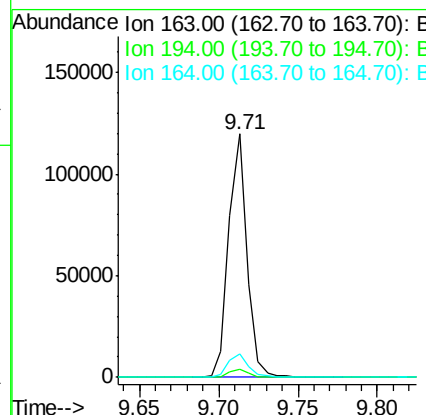
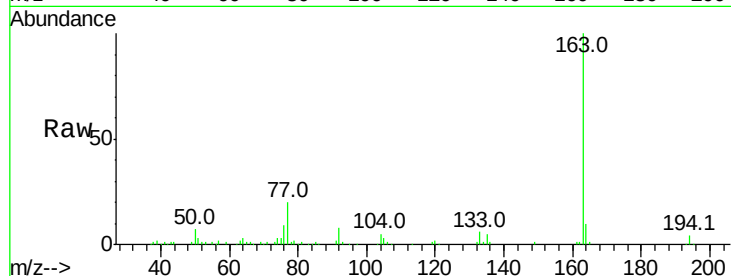
#49
Dimethylphthalate
Concen: 7.802 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampleId :
#1

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.6	8.2	12.2

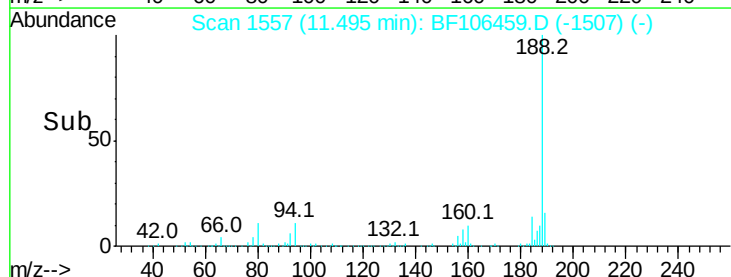
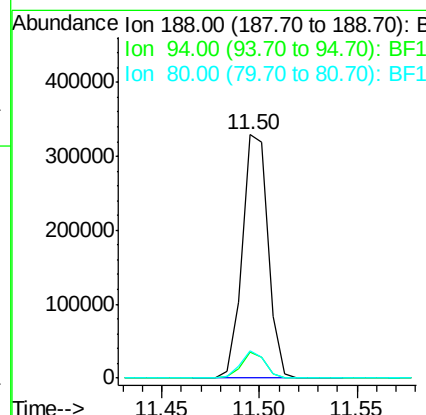
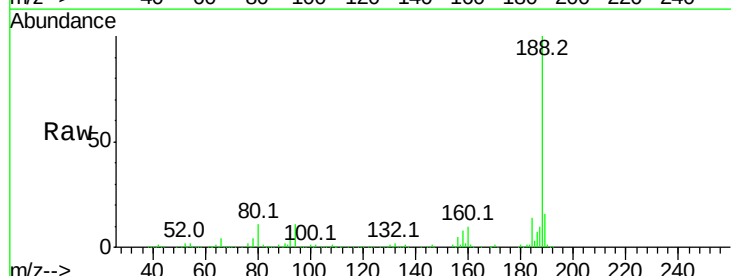
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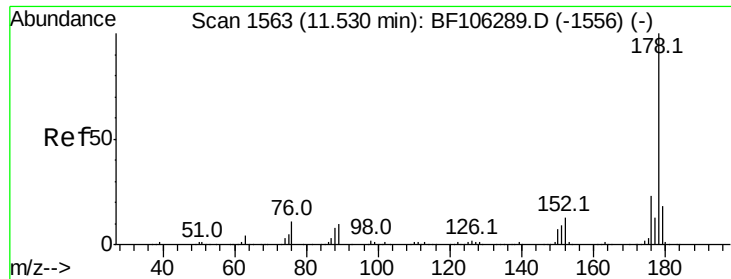
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.5	9.2	13.8





#70

Phenanthrene

Concen: 2.817 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

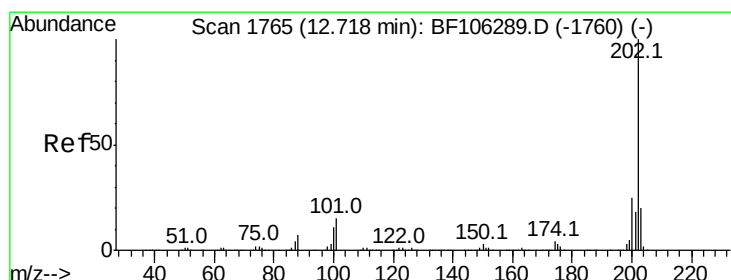
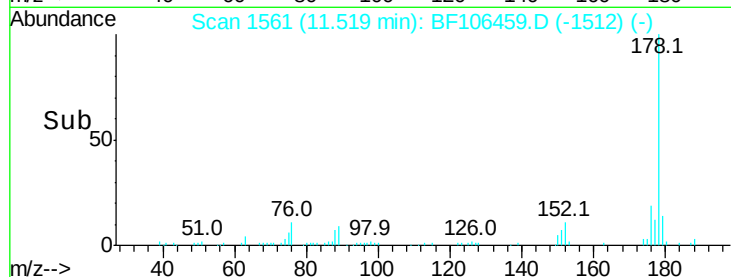
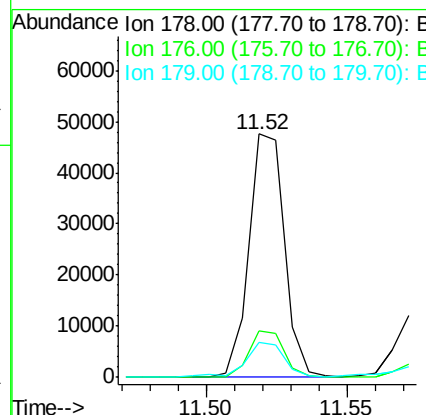
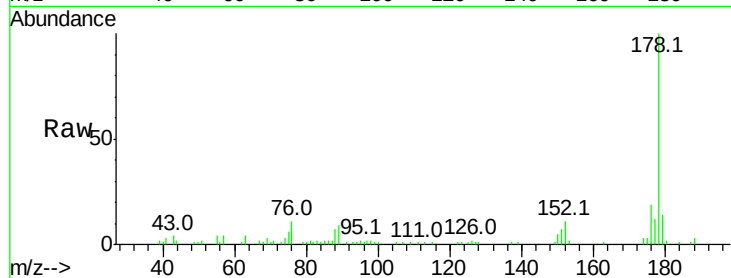
ClientSampleId :

#1

Tot Ion:	178	Resp:	41540
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	14.3	13.0	19.6

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#74

Fluoranthene

Concen: 6.991 ng

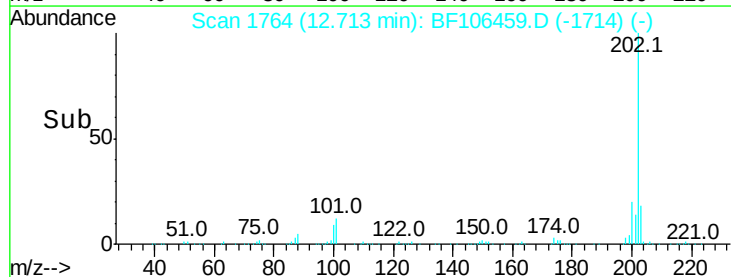
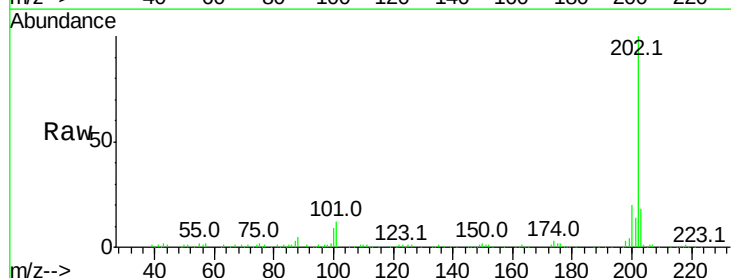
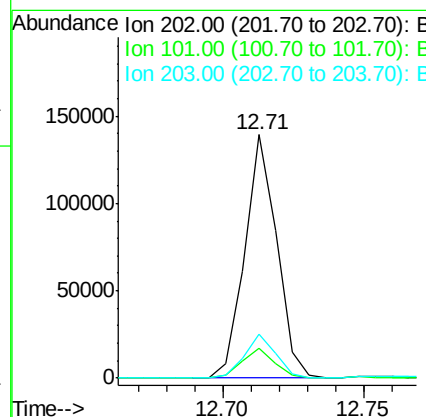
RT: 12.71 min Scan# 1764

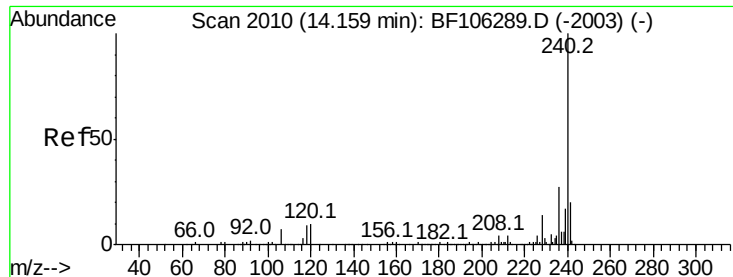
Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion:	202	Resp:	109941
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.9	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: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

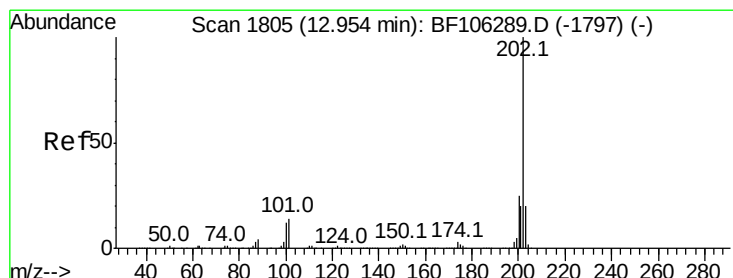
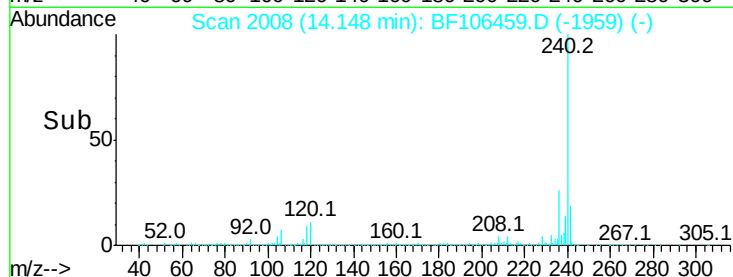
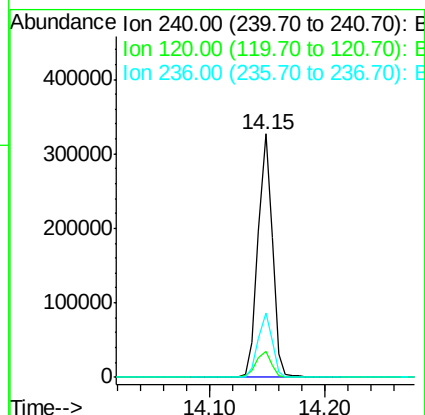
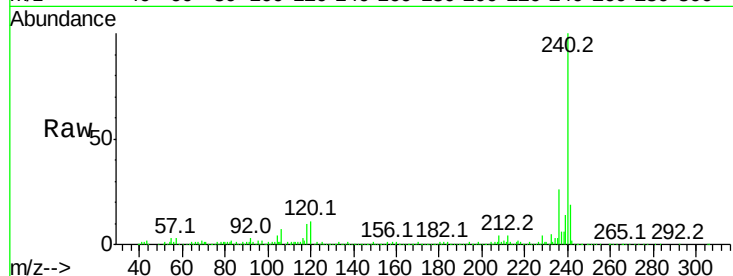
ClientSampleId :

#1

Tot Ion	Ratio	Resp	Lower	Upper
240	100	284803		
120	10.7		9.5	14.3
236	26.3		20.7	31.1

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#77

Pyrene

Concen: 6.009 ng

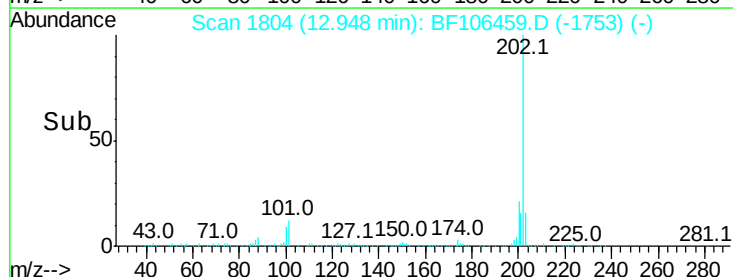
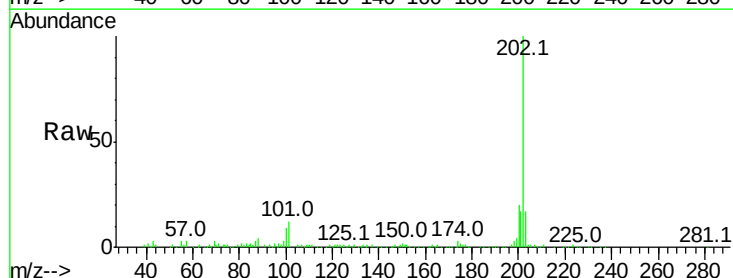
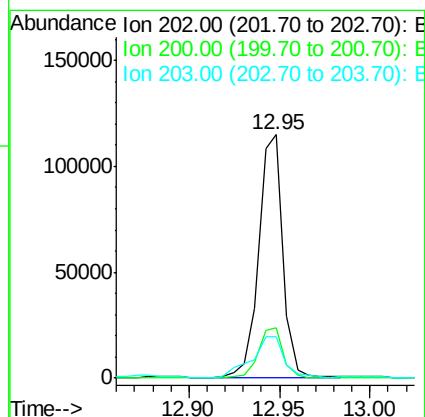
RT: 12.95 min Scan# 1804

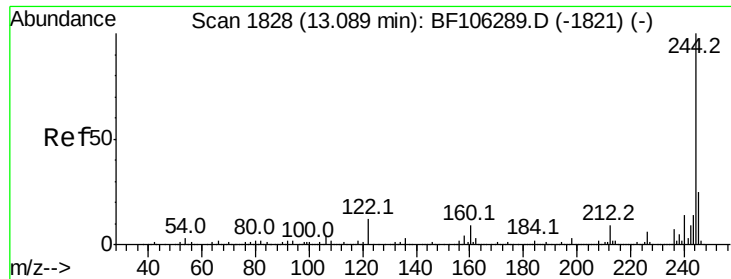
Delta R.T. 0.00 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	107144		
200	20.5		17.4	26.2
203	16.8		14.3	21.5





#78

Terphenyl-d14

Concen: 67.125 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

ClientSampled :

#1

Tot Ion:244 Resp: 769687

Ion Ratio Lower Upper

244 100

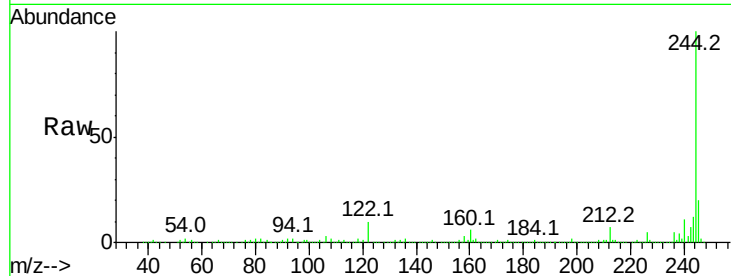
212 6.8 5.4 8.0

122 10.2 11.0 16.4

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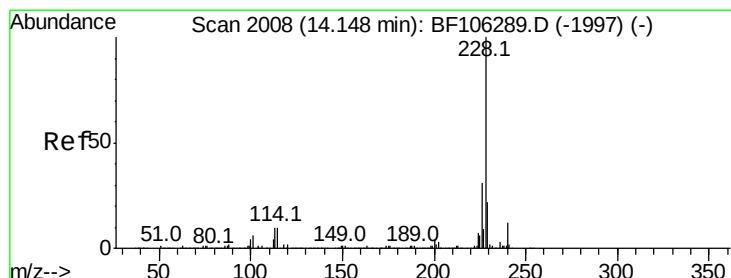
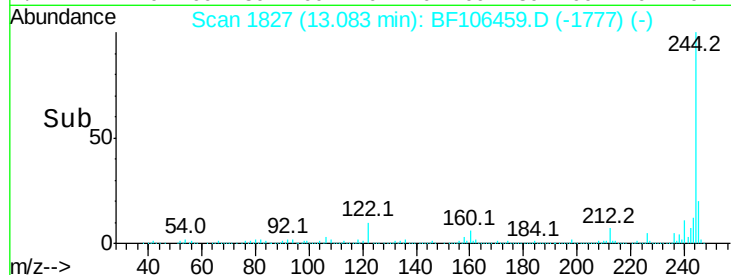
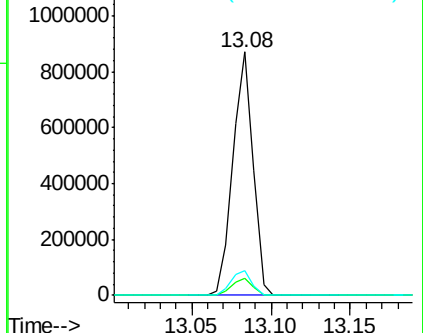
6/15/2018 11:16:55 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.206 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

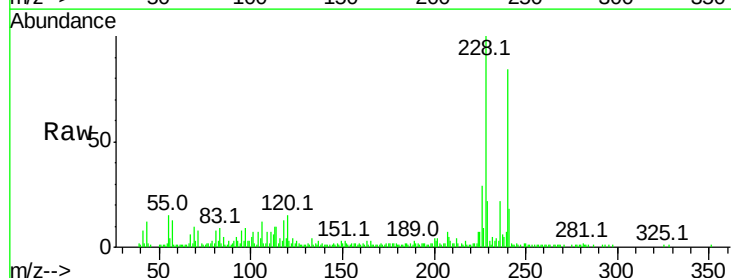
Tgt Ion:228 Resp: 54336

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

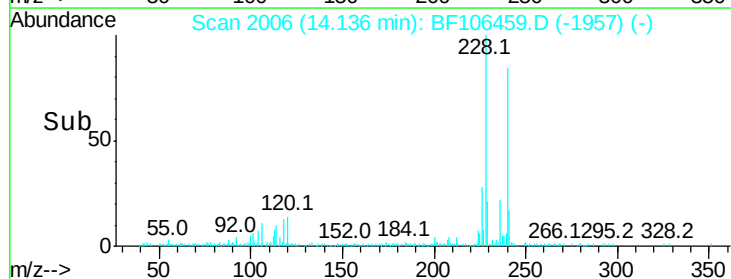
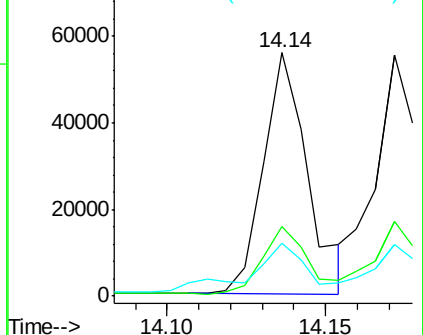
229 22.0 15.8 23.6

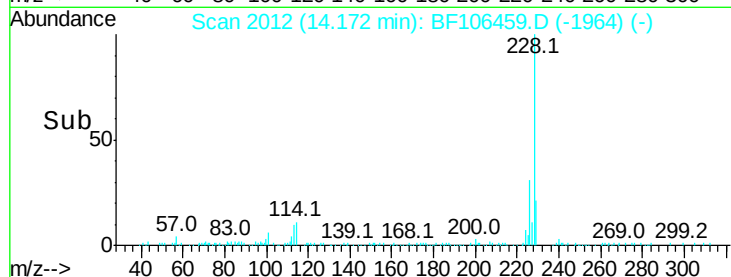
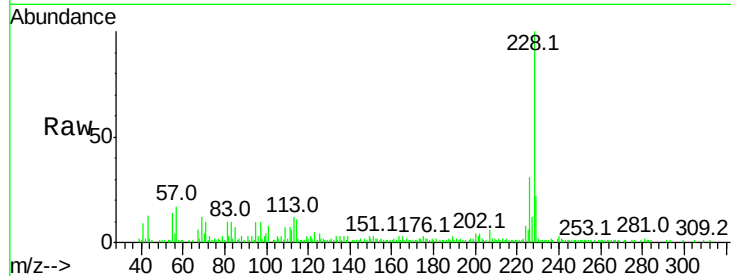
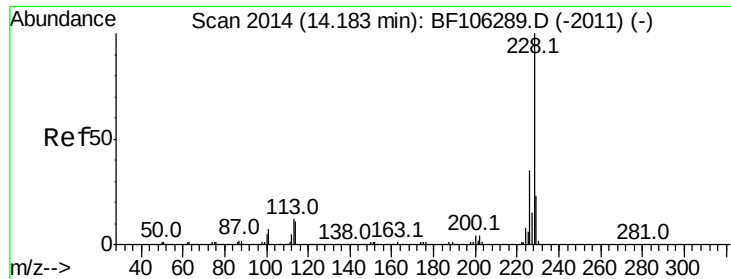


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





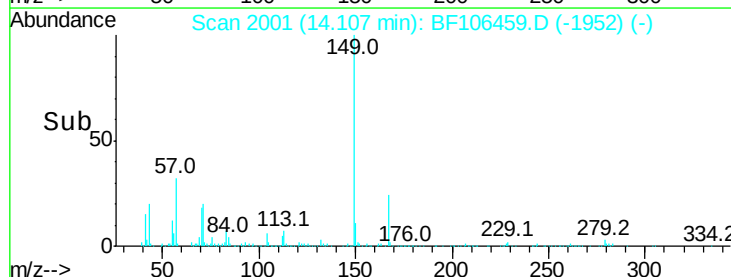
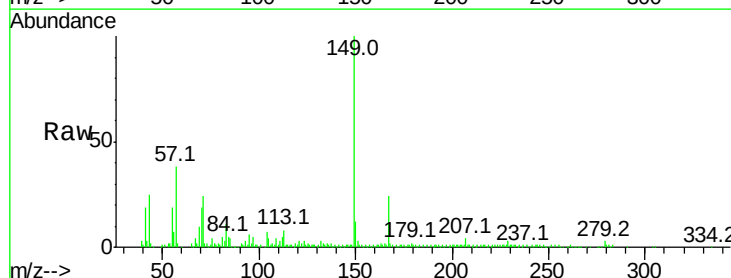
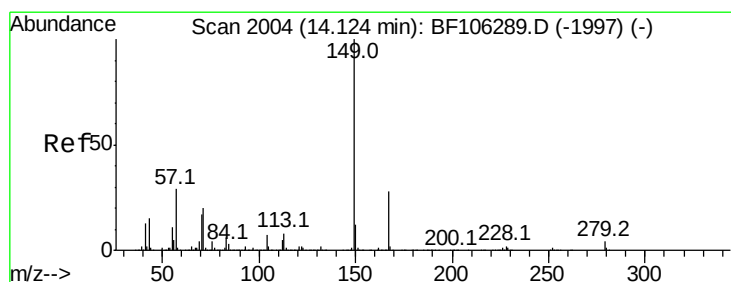
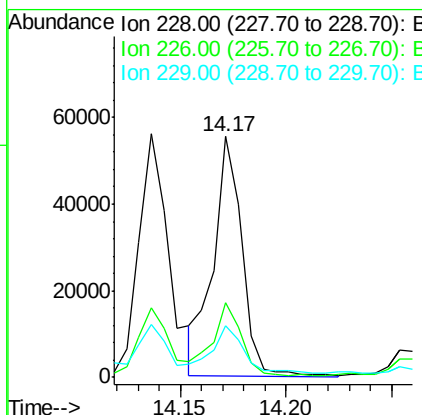
#82
Chrysene
Concen: 3.374 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampled :
#1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.7	16.2	24.4

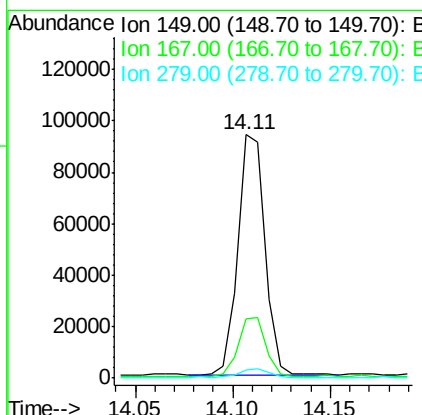
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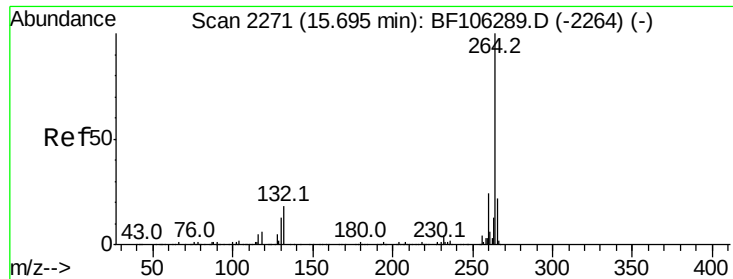
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#83
Bis(2-ethylhexyl)phthalate
Concen: 9.414 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.4	21.3	31.9
279	3.4	3.0	4.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

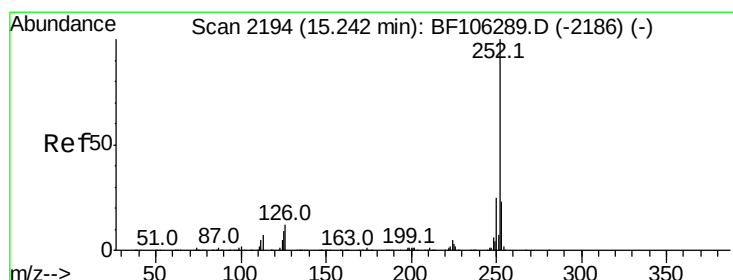
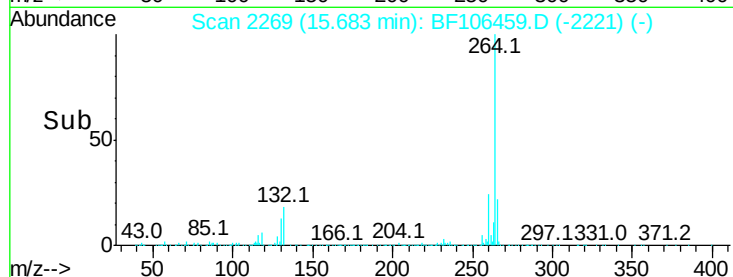
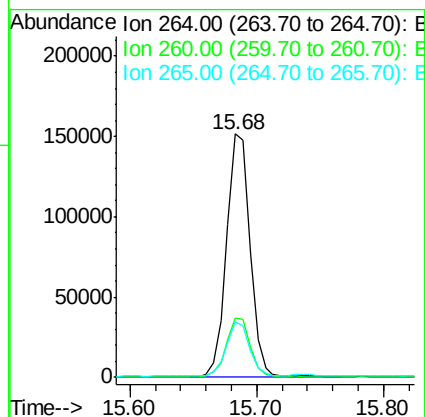
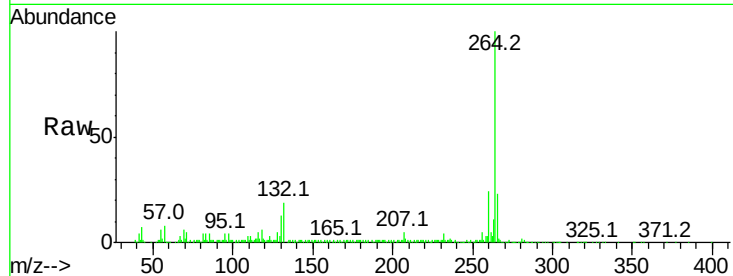
ClientSampleId :

#1

Tot Ion:	264	Resp:	196648
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.5	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 4.678 ng m

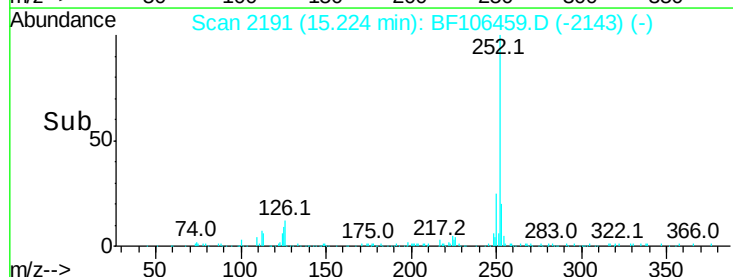
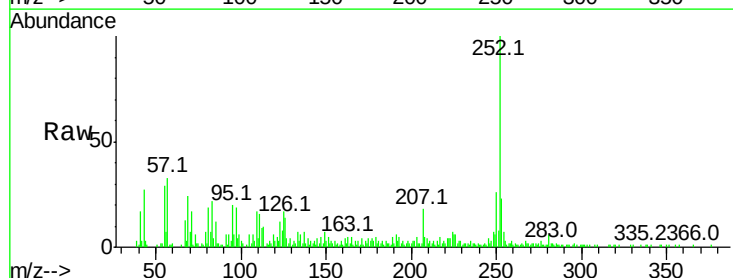
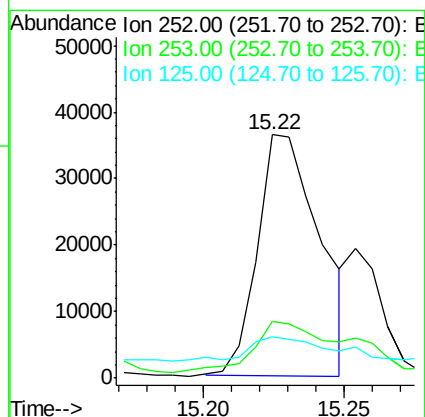
RT: 15.22 min Scan# 2191

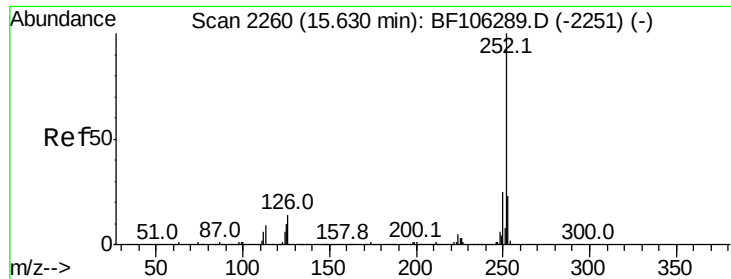
Delta R.T. -0.02 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion:	252	Resp:	55606
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	16.7	9.0	13.6#





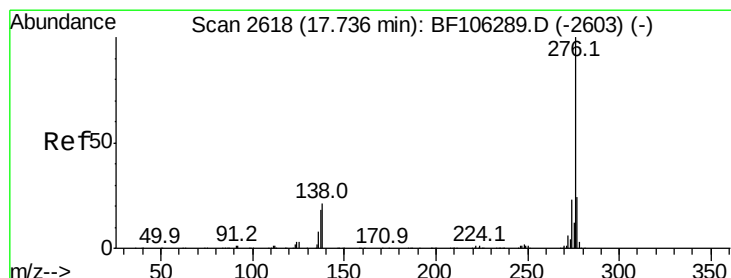
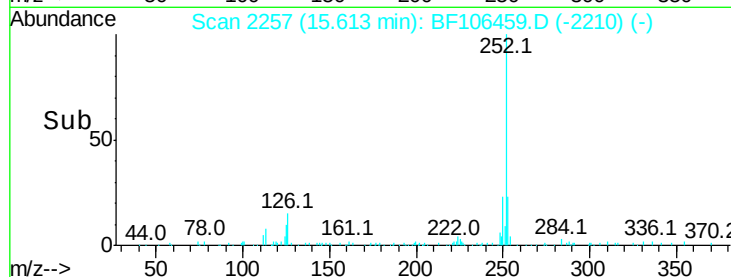
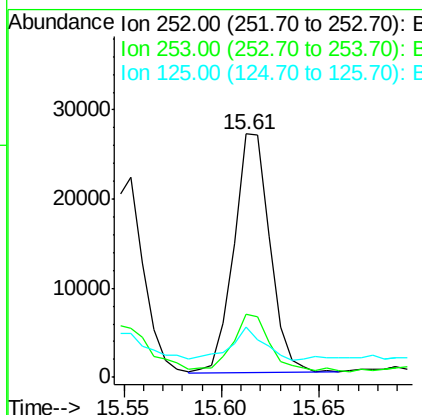
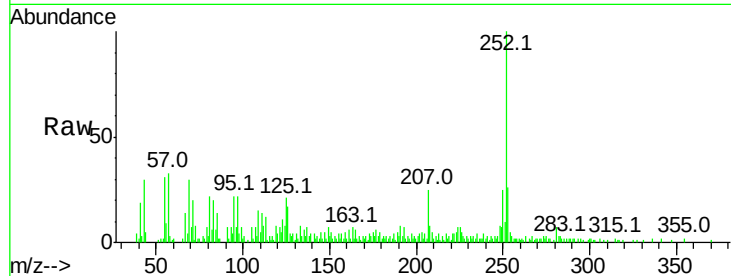
#89
Benzo(a)pyrene
Concen: 3.237 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampleId :
#1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7#
125	20.6	9.8	14.6#

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#91
Benzo(g,h,i)perylene
Concen: 2.708 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	25.8	21.8	32.8

