

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
 Data File : BF106596.D
 Acq On : 19 Jun 2018 21:37
 Operator : JU/SJ
 Sample : J3249-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Sohil
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Quant Time: Jun 20 03:30:16 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	99633	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	338013	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	129373	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	234215	20.00	ng	0.00
75) Chrysene-d12	14.15	240	275342	20.00	ng	0.00
86) Perylene-d12	15.69	264	199019	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	266467	45.29	ng	0.00
7) Phenol-d6	6.60	99	311998	42.46	ng	0.00
23) Nitrobenzene-d5	7.52	82	193255	31.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	58471	38.99	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	329099	34.25	ng	0.00
78) Terphenyl-d14	13.08	244	362538	31.89	ng	0.00
Target Compounds						
48) Acenaphthylene	9.87	152	37181	2.902	ng	97
49) Dimethylphthalate	9.71	163	33064	3.408	ng	# 97
57) Fluorene	10.55	166	20793	2.372	ng	# 94
70) Phenanthrene	11.52	178	229758	20.339	ng	99
71) Anthracene	11.57	178	67191	5.827	ng	99
74) Fluoranthene	12.71	202	417272	33.513	ng	99
77) Pyrene	12.95	202	485065	26.715	ng	100
80) Benzo(a)anthracene	14.14	228	240524	14.333	ng	94
82) Chrysene	14.18	228	237704	15.397	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	69619	5.314	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	204272m	16.523	ng	
88) Benzo(k)fluoranthene	15.26	252	69653m	5.916	ng	
89) Benzo(a)pyrene	15.62	252	148181	13.483	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	19956	2.143	ng	# 73
91) Benzo(a,h,i)perylene	17.74	276	70964	7.795	ng	93

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

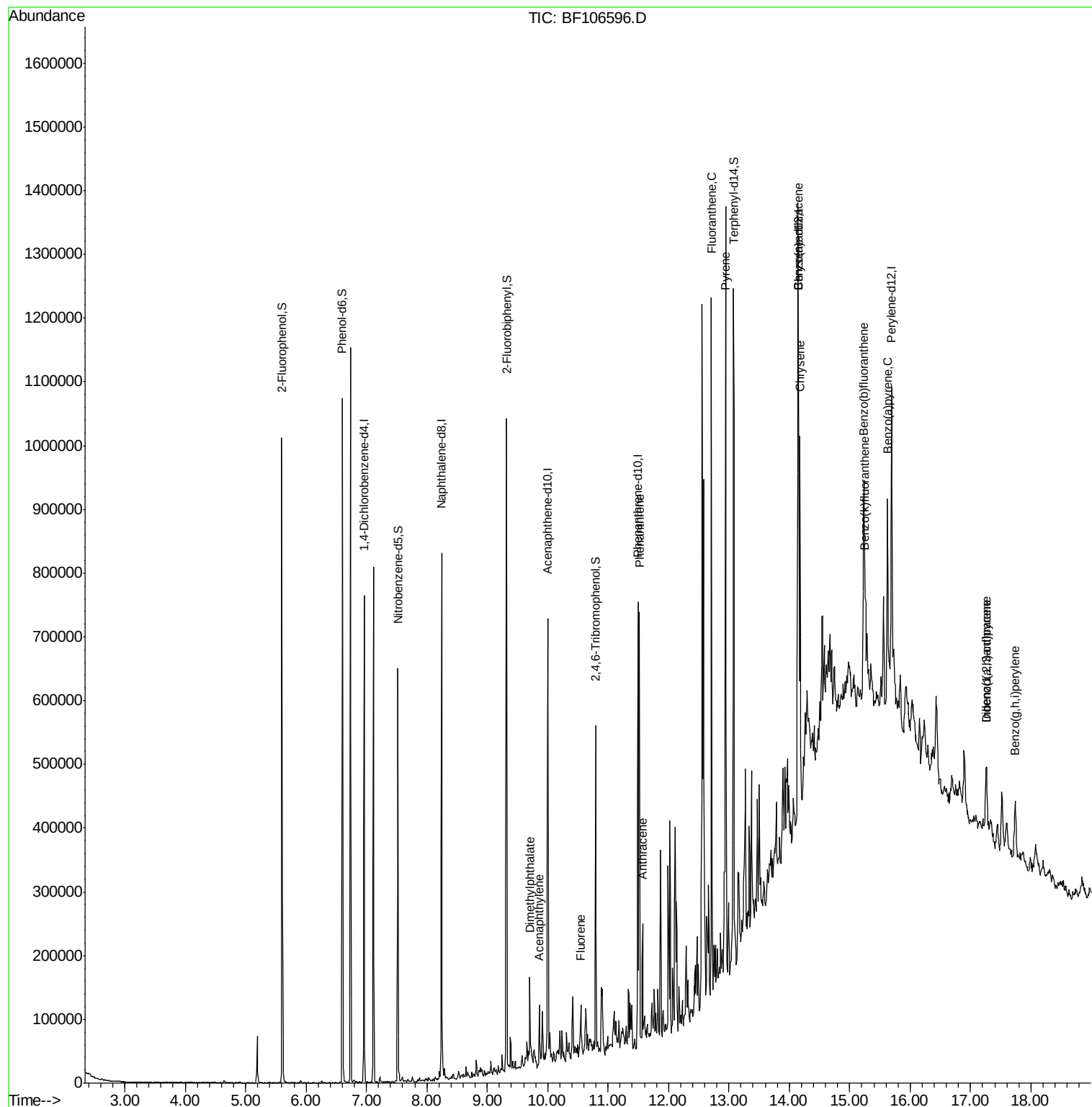
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
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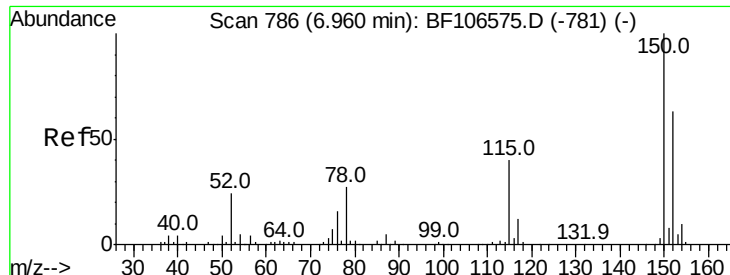
Instrument :
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#1

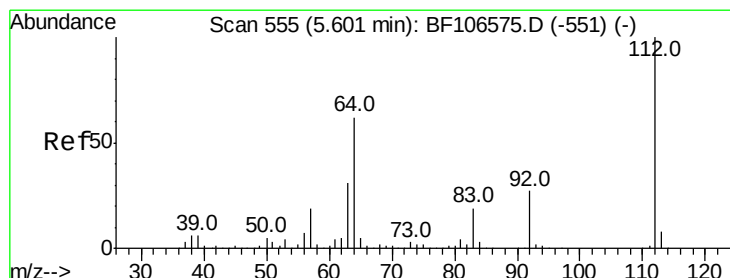
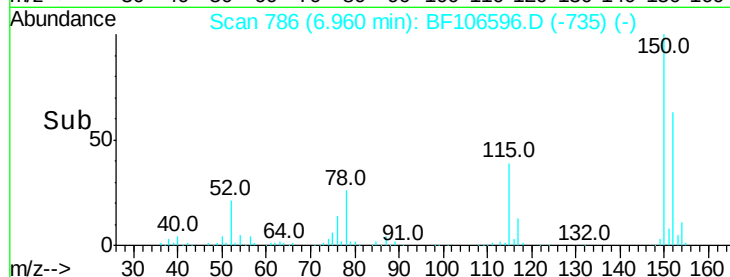
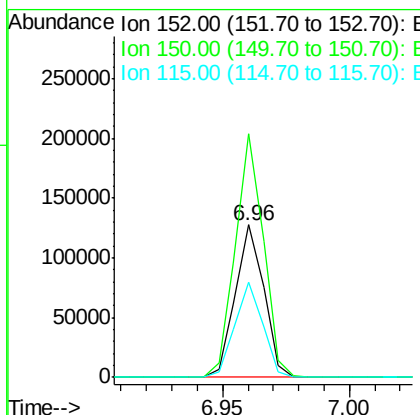
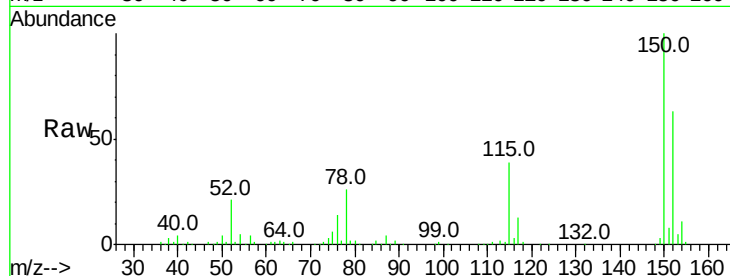
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	62.1	50.1	75.1

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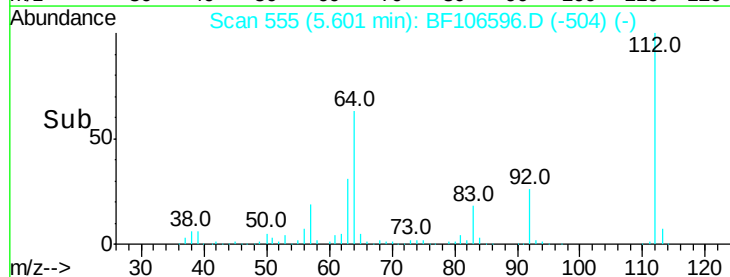
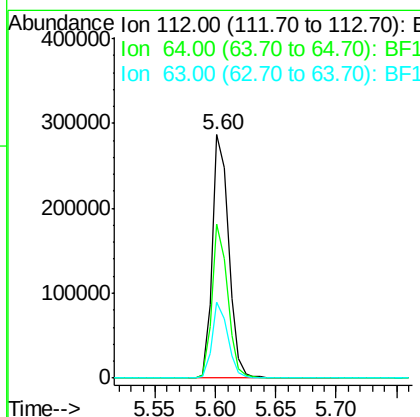
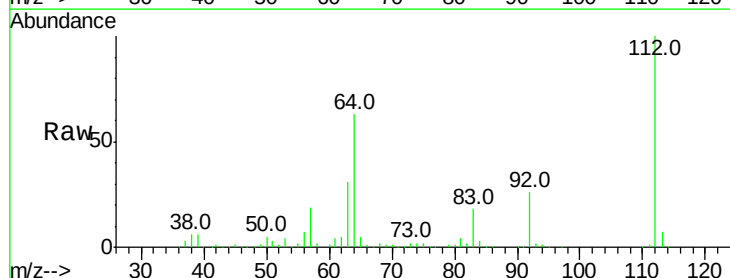
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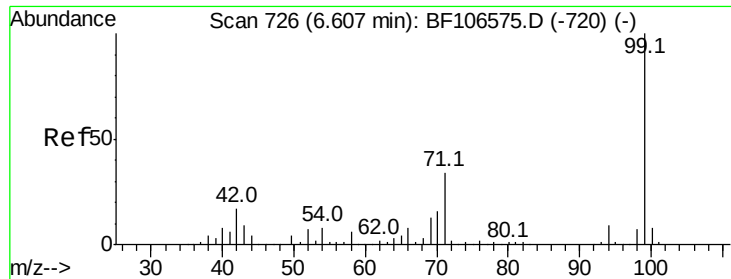


#5

2-Fluorophenol
Concen: 45.288 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 42.461 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

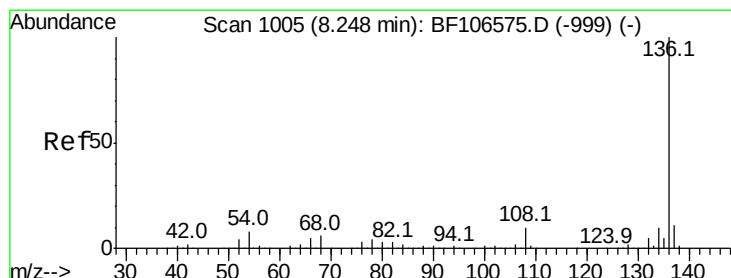
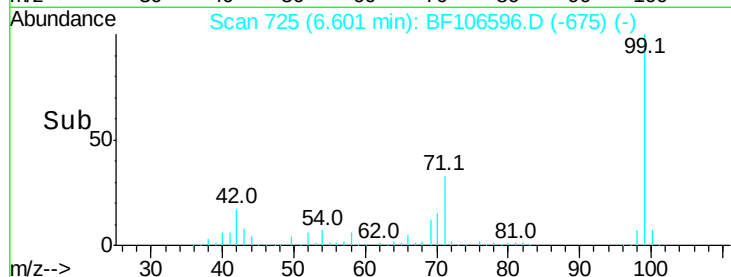
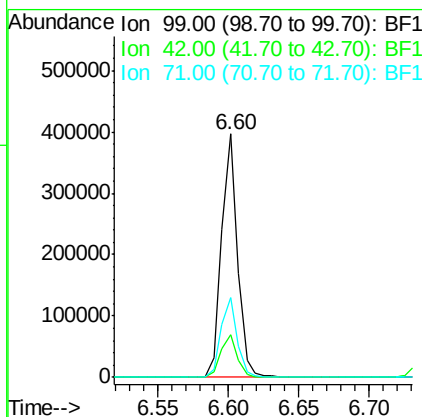
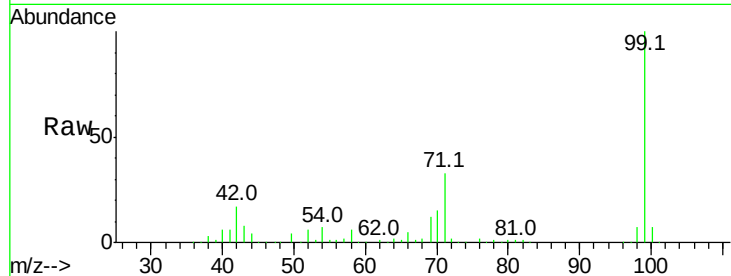
ClientSampleId :

PL-01-061818-E

Tot Ion:	99	Resp:	311998
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

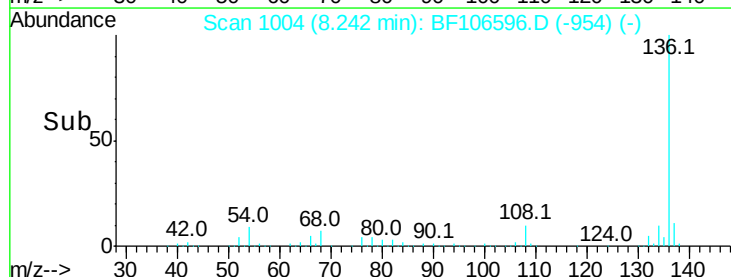
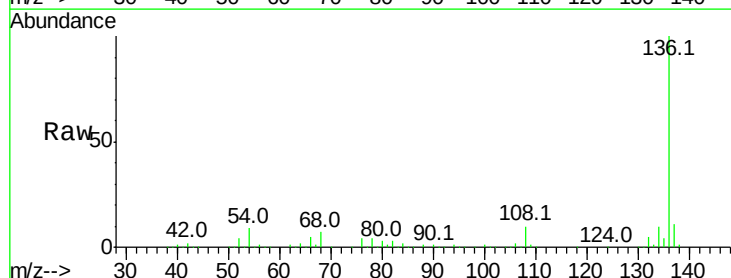
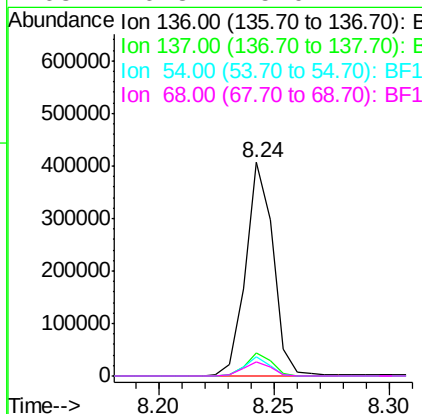
RT: 8.24 min Scan# 1004

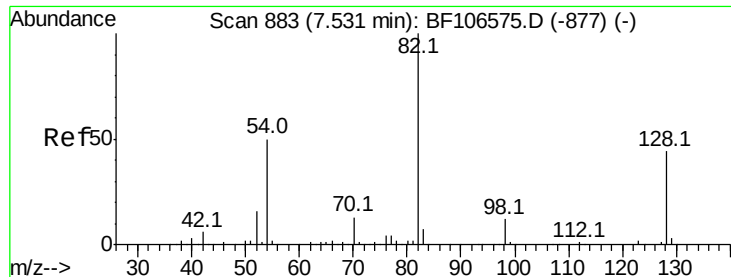
Delta R.T. -0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Tgt Ion:	136	Resp:	338013
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.8	6.6	9.8
68	6.8	5.0	7.4





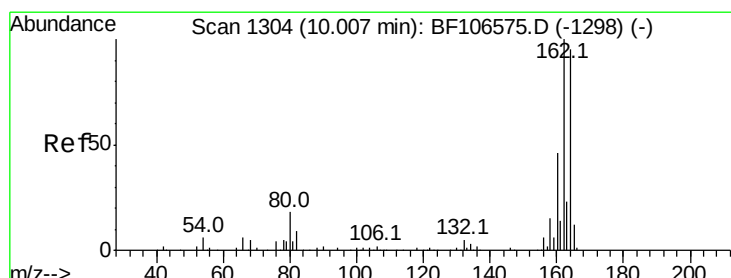
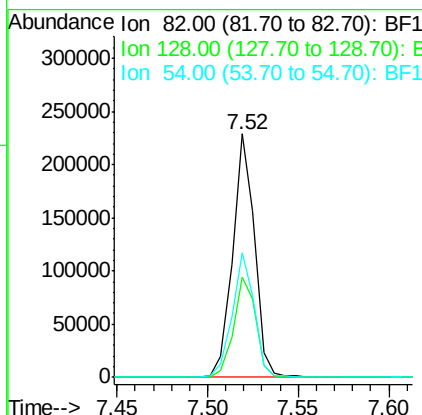
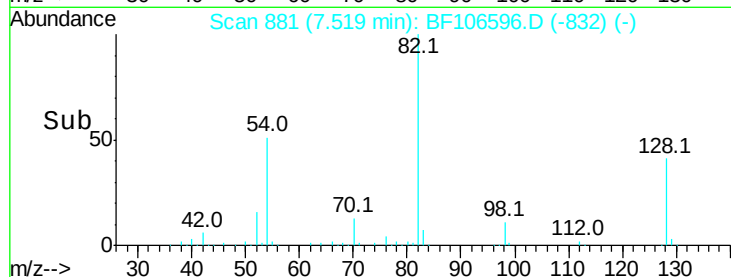
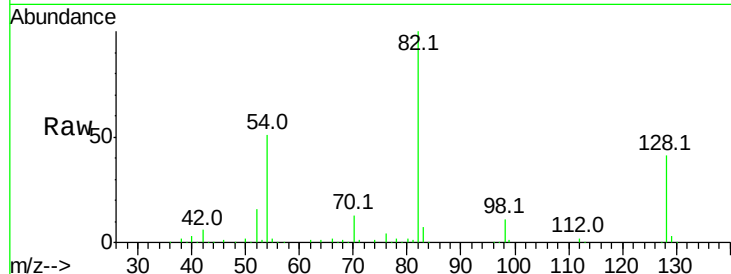
#23
Nitrobenzene-d5
Concen: 31.774 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.0	36.1	54.1	
54	51.0	41.4	62.2	

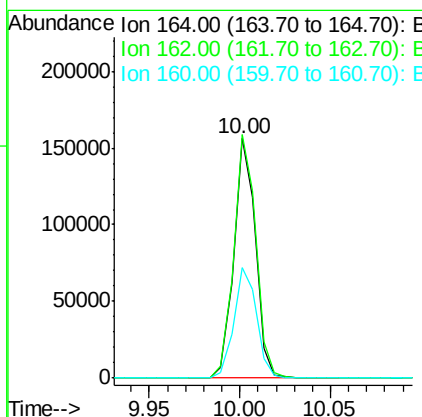
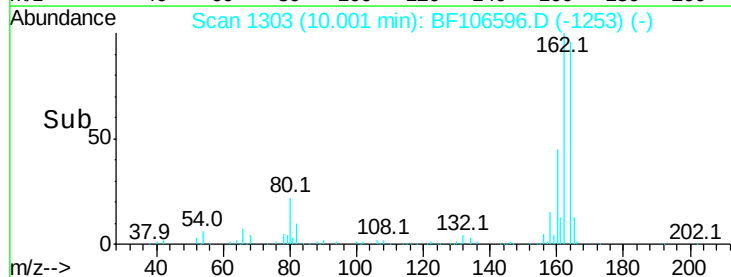
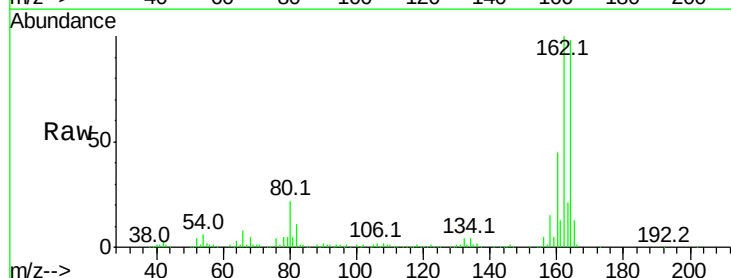
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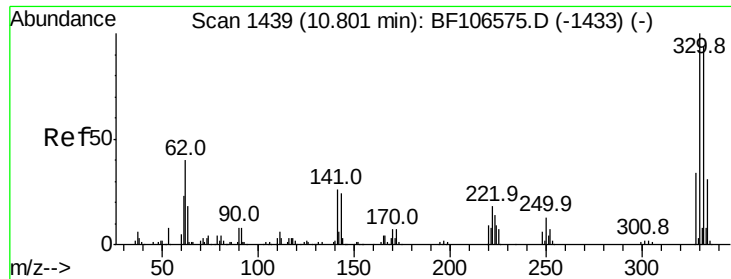
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	86.1	129.1	
160	46.1	38.3	57.5	





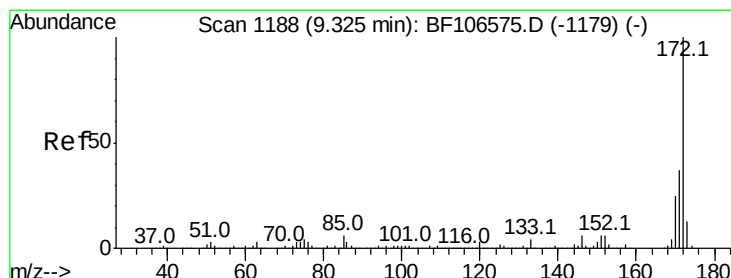
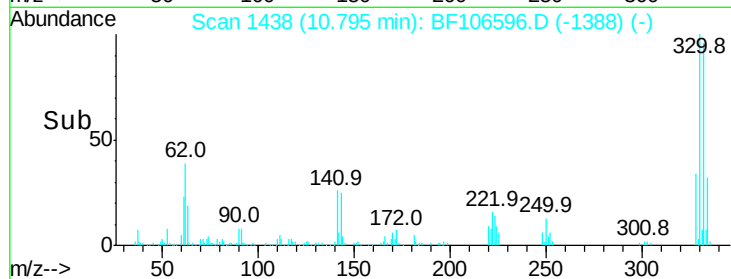
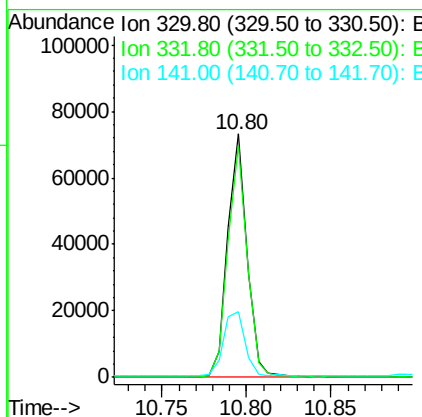
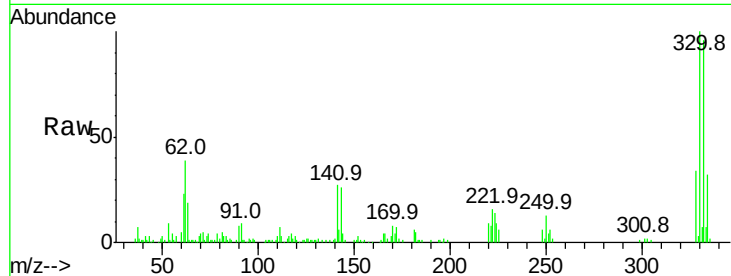
#41
 2,4,6-Tribromophenol
 Concen: 38.994 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106596.D
 Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	29.3	29.9	44.9#

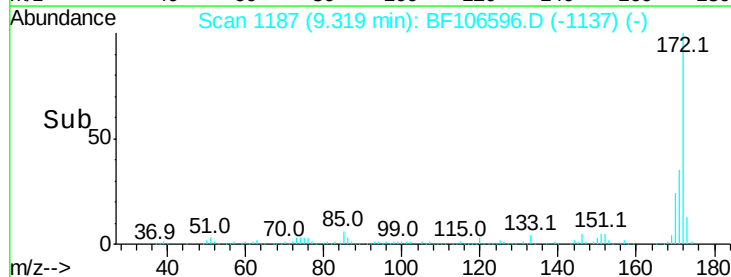
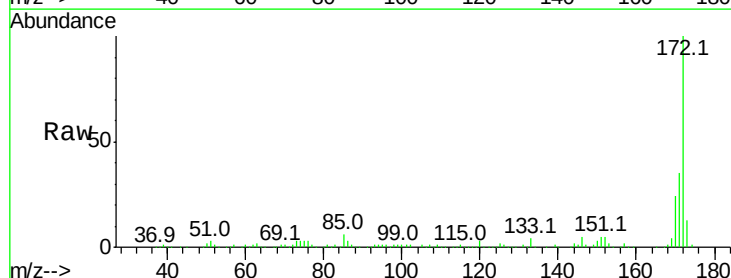
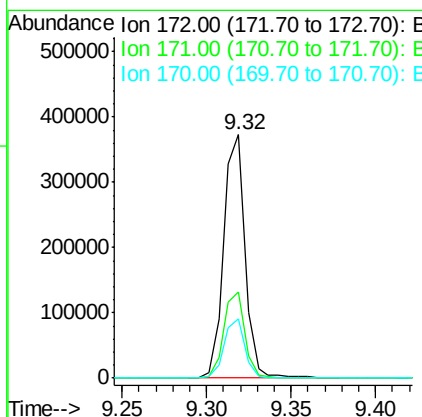
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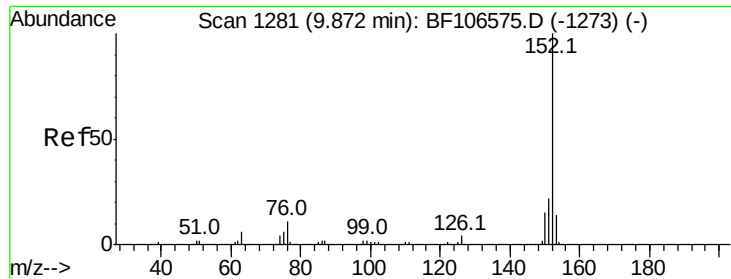
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#44
 2-Fluorobiphenyl
 Concen: 34.250 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106596.D
 Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.1	19.6	29.4





#48

Acenaphthylene

Concen: 2.902 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

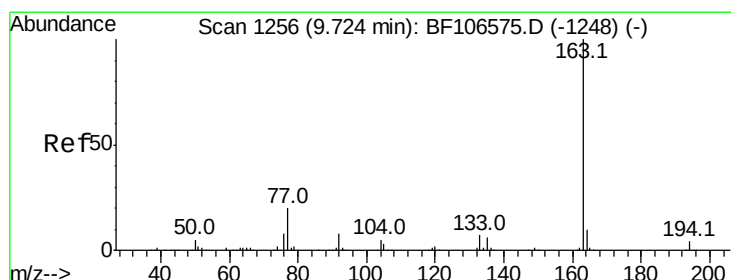
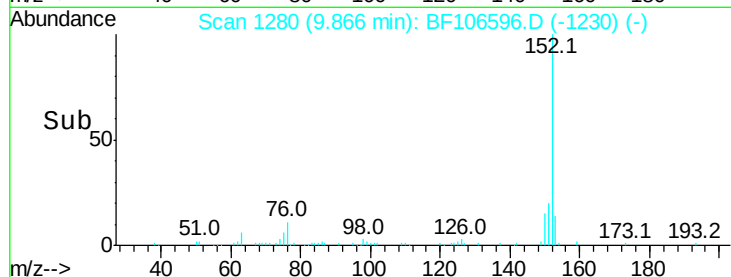
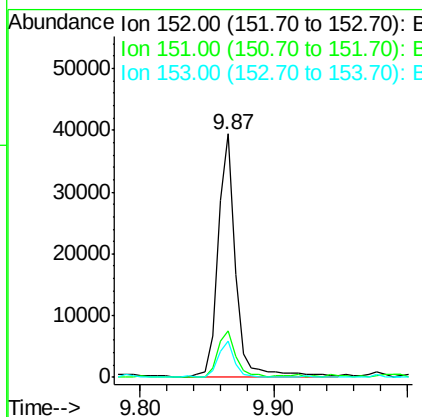
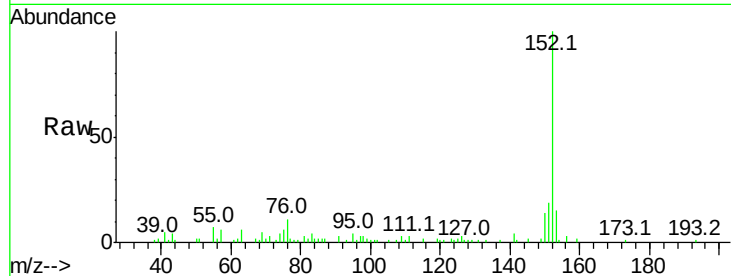
ClientSampleId :

PL-01-061818-E

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	14.8	10.7	16.1

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#49

Dimethylphthalate

Concen: 3.408 ng

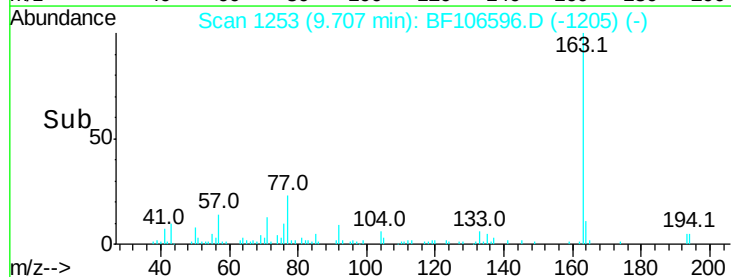
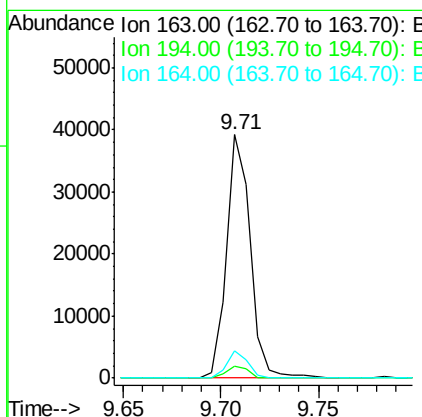
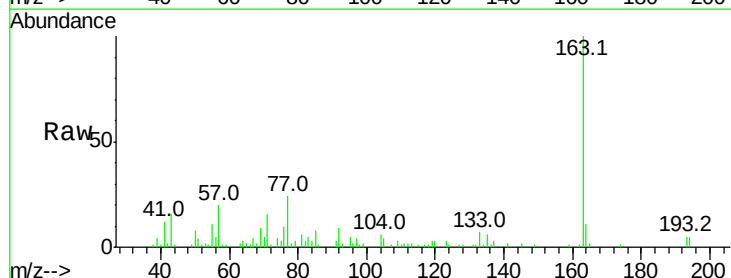
RT: 9.71 min Scan# 1253

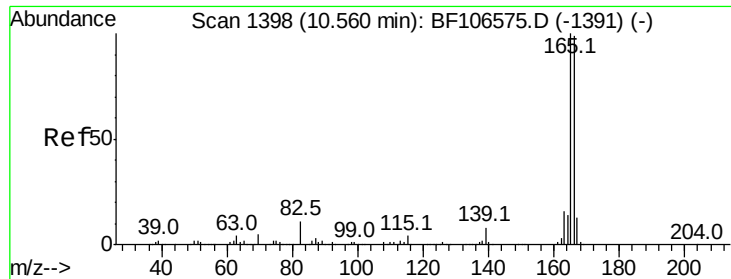
Delta R.T. -0.02 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.7	4.1#
164	11.0	8.2	12.2





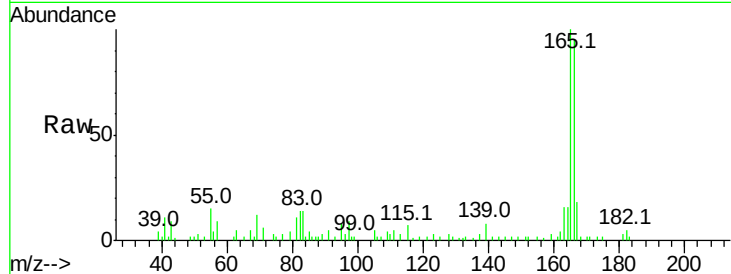
#57
Fluorene
 Concen: 2.372 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106596.D
 Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.0	79.8	119.8
167	18.5	10.6	16.0

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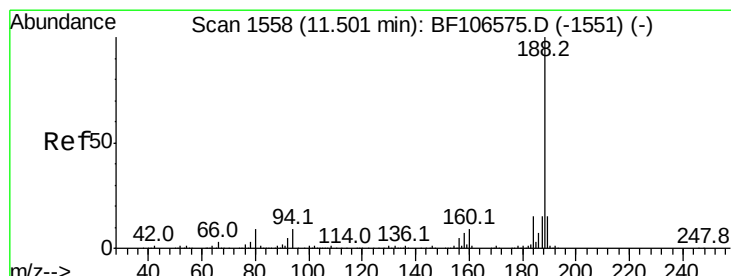
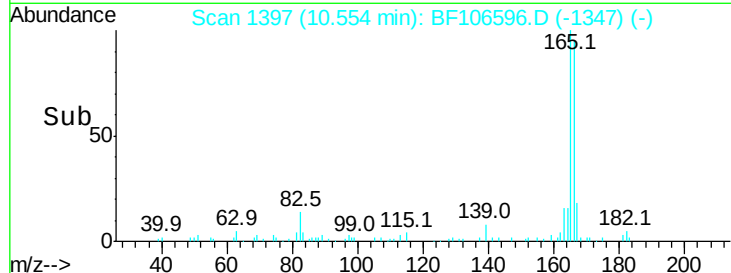
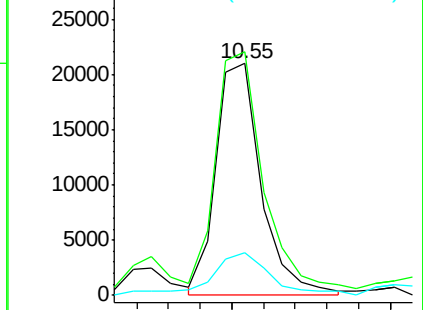


Abundance

Ion 166.00 (165.70 to 166.70): E

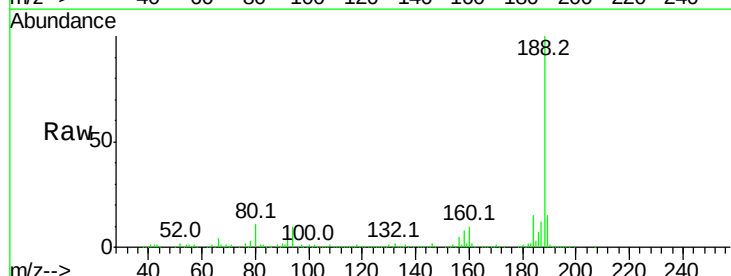
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106596.D
 Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.8	9.2	13.8

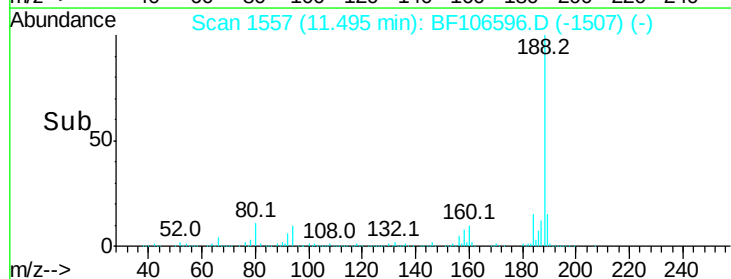
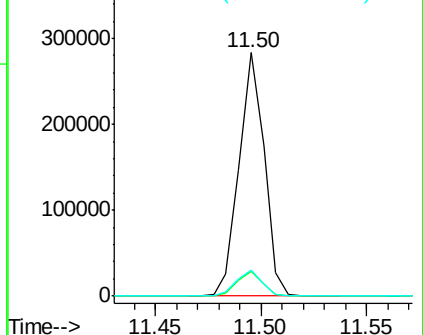


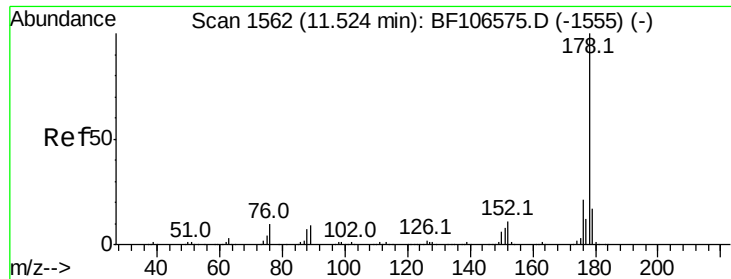
Abundance

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





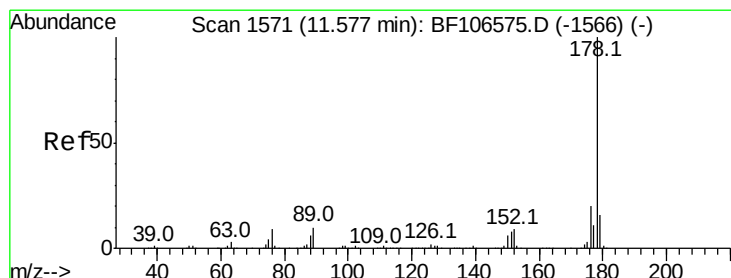
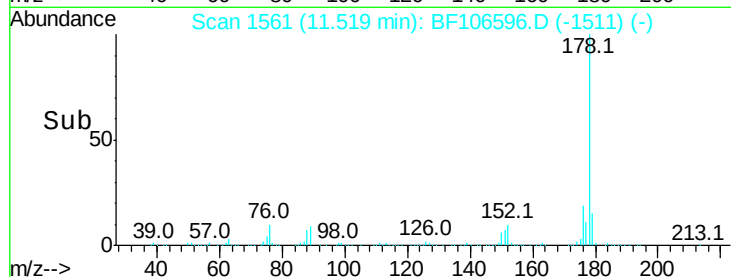
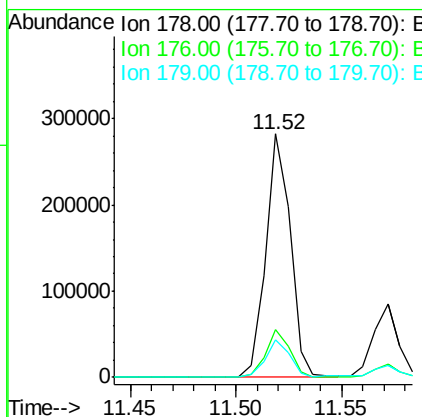
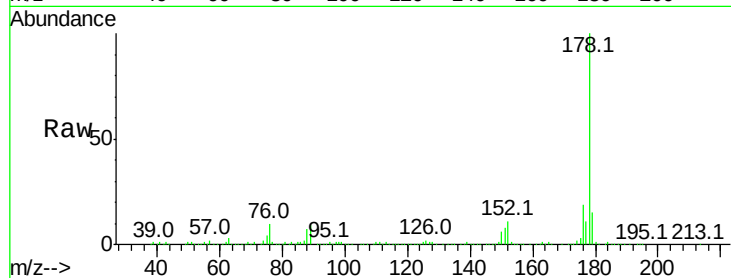
#70
Phenanthrene
Concen: 20.339 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.4	13.0	19.6

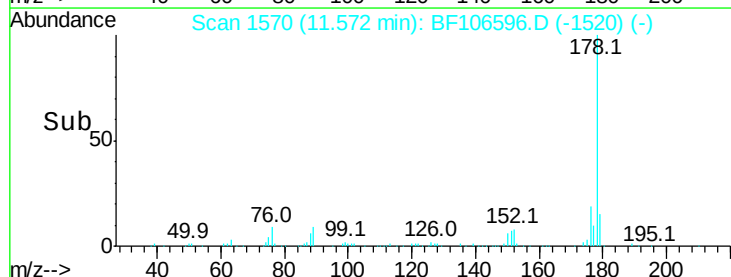
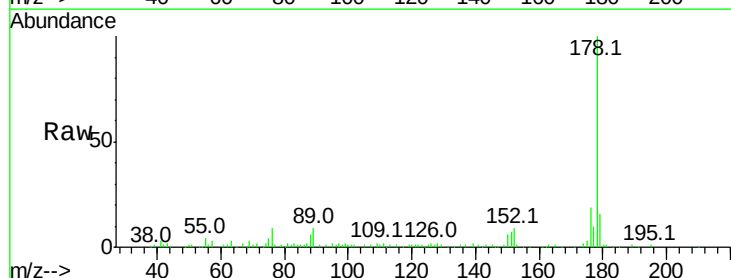
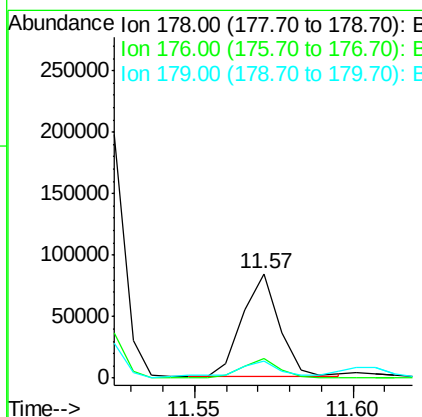
Manual Integrations
APPROVED

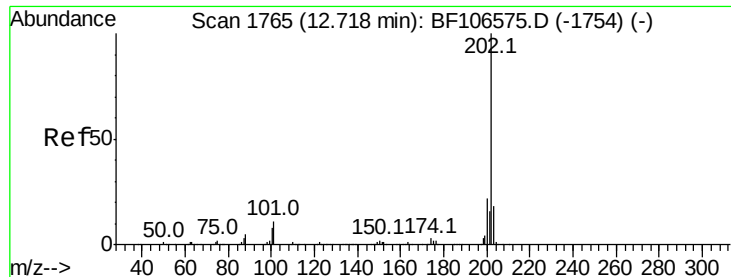
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#71
Anthracene
Concen: 5.827 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 33.513 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

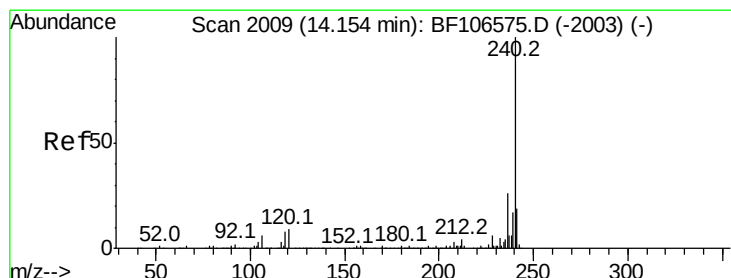
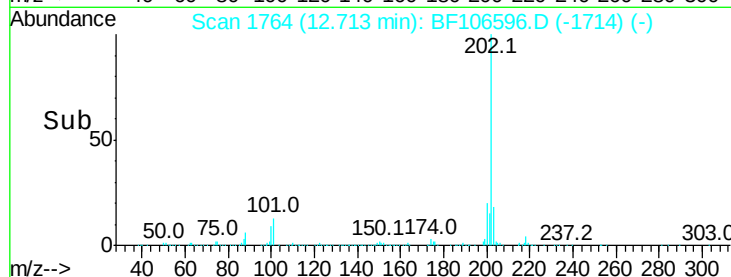
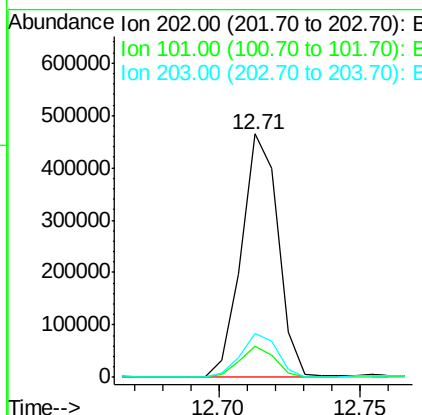
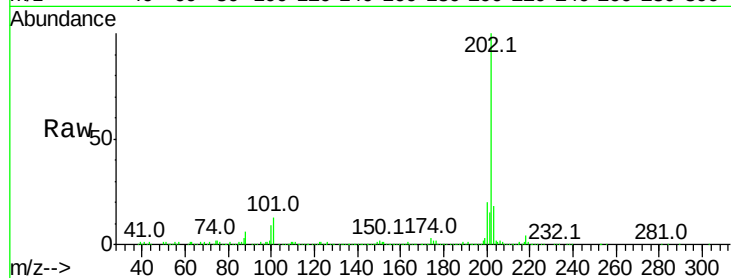
ClientSampleId :

PL-01-061818-E

Tot Ion:	202	Resp:	417272
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

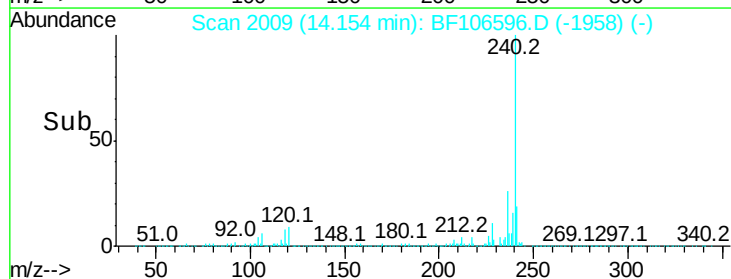
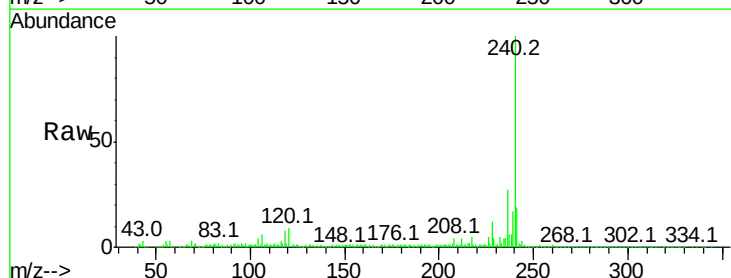
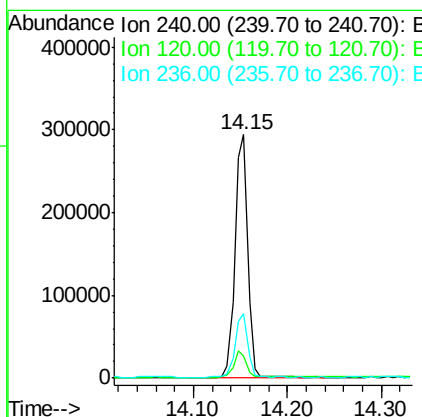
RT: 14.15 min Scan# 2009

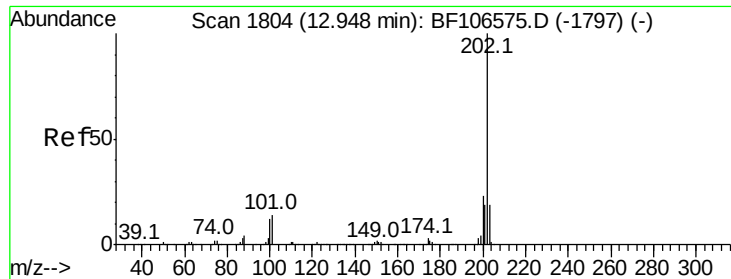
Delta R.T. 0.00 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Tgt Ion:	240	Resp:	275342
Ion Ratio	Lower	Upper	
240	100		
120	9.3	9.5	14.3#
236	26.7	20.7	31.1





#77

Pvrene

Concen: 26.715 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

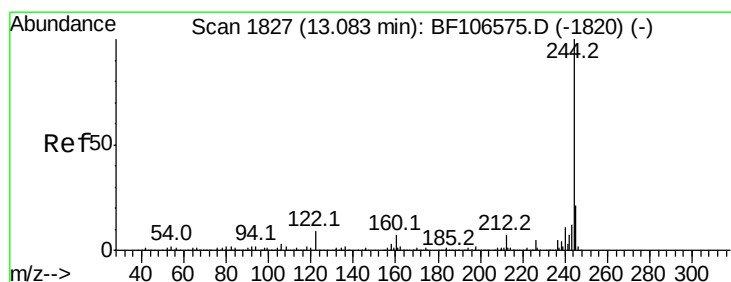
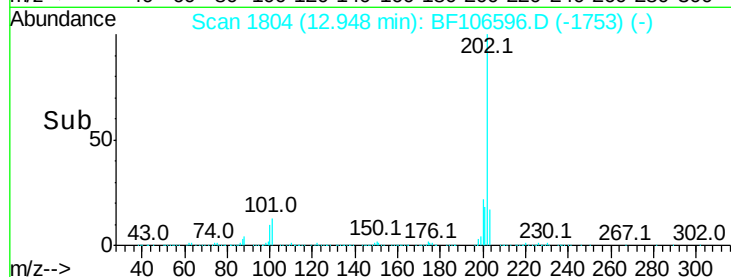
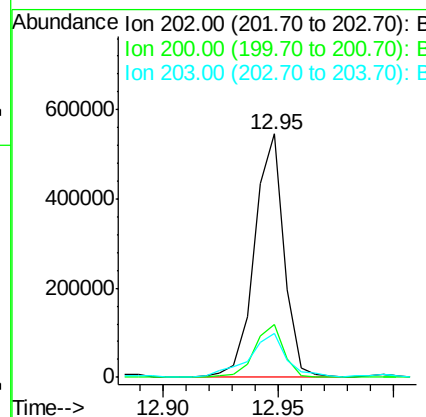
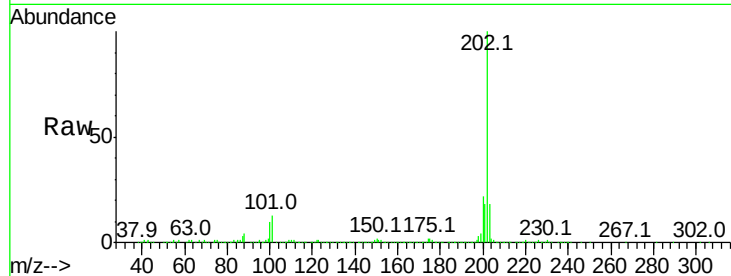
ClientSampleId :

PL-01-061818-E

Tot Ion:	202	Resp:	485065
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 31.894 ng

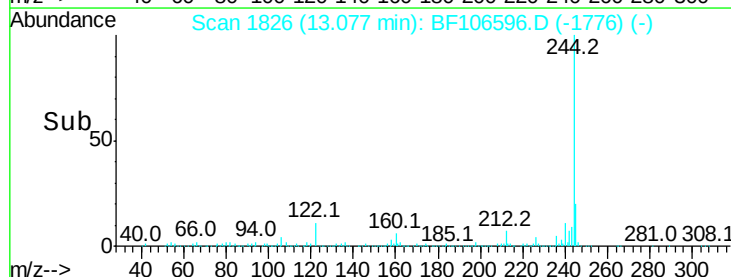
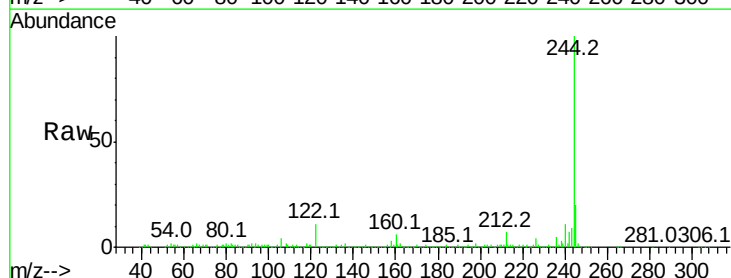
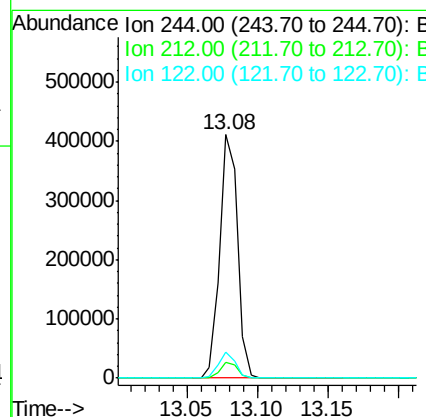
RT: 13.08 min Scan# 1826

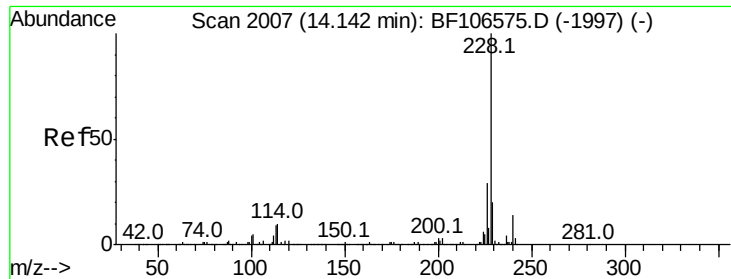
Delta R.T. -0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Tgt Ion:	244	Resp:	362538
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.9	11.0	16.4#





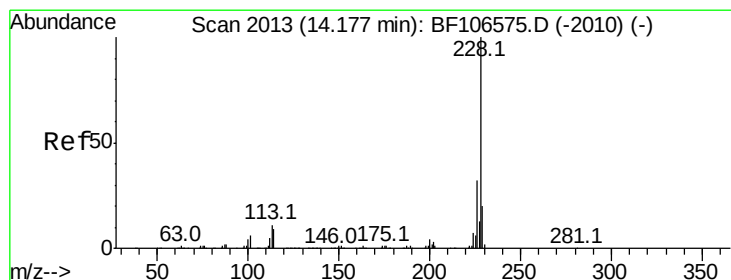
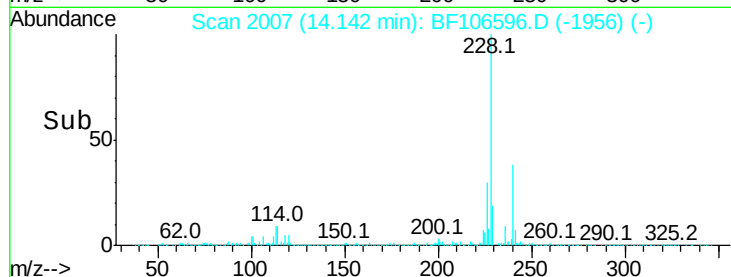
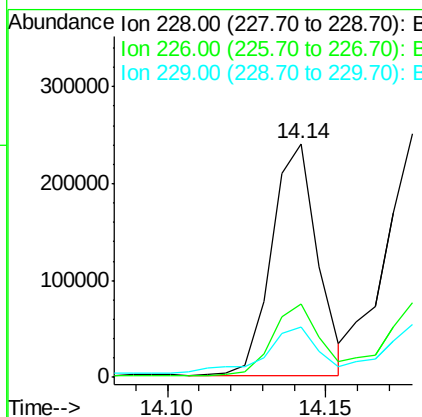
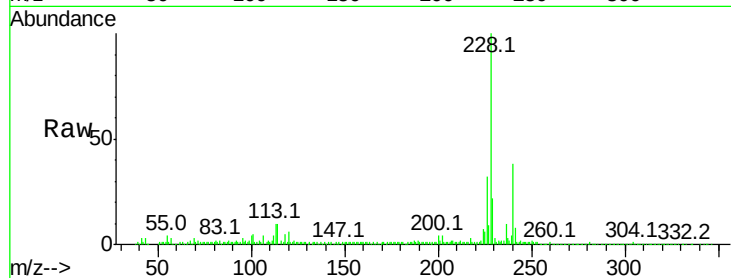
#80
Benzo(a)anthracene
Concen: 14.333 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.8	15.8	23.6

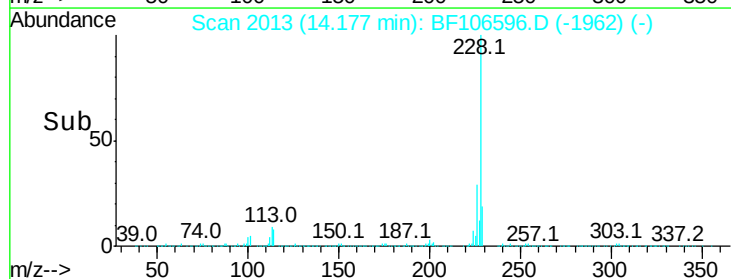
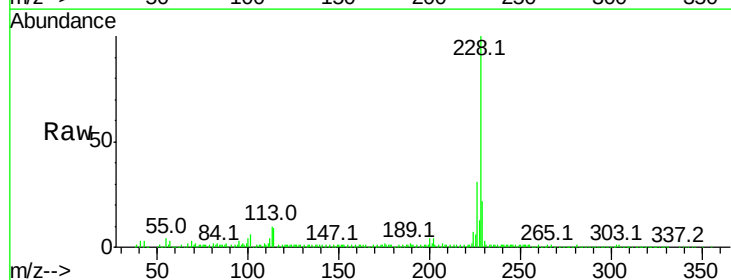
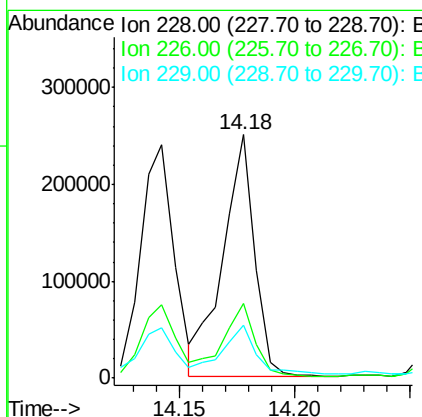
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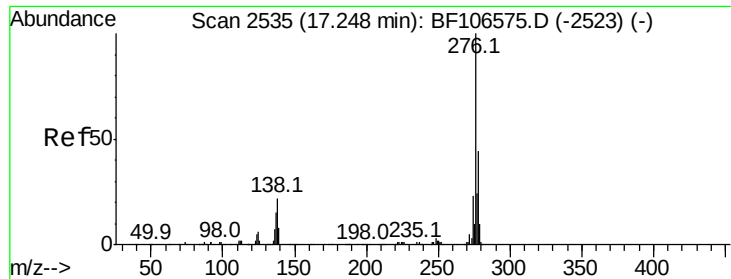
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#82
Chrysene
Concen: 15.397 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.314 ng

RT: 17.26 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

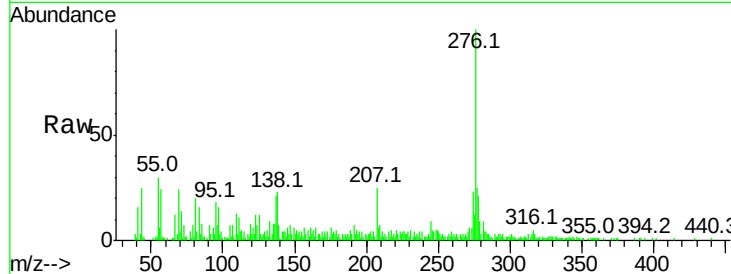
ClientSampleId :

PL-01-061818-E

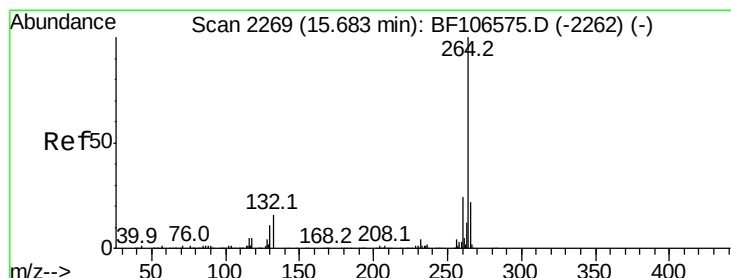
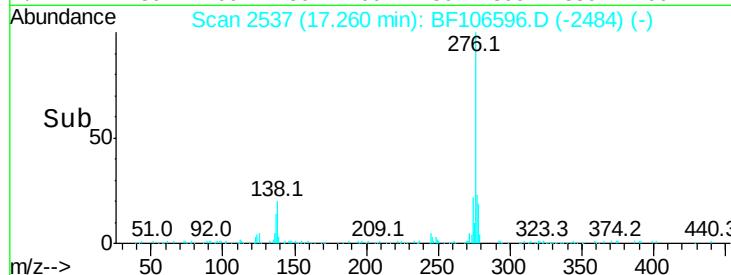
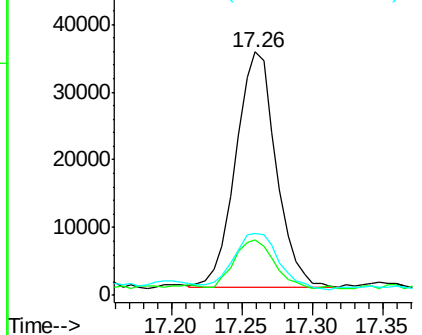
Tot Ion:	276	Resp:	69619
Ion Ratio	Lower	Upper	
276	100		
138	21.2	25.0	37.6#
277	26.5	20.1	30.1

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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

Perylene-d12

Concen: 20.000 ng

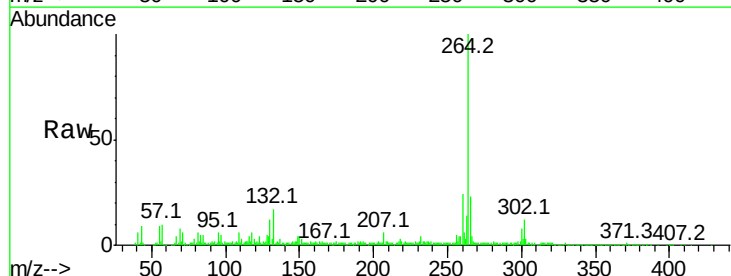
RT: 15.69 min Scan# 2271

Delta R.T. 0.01 min

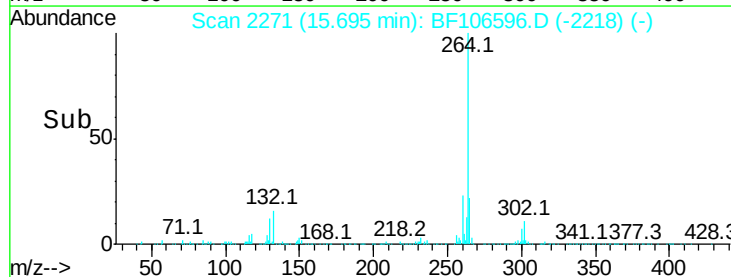
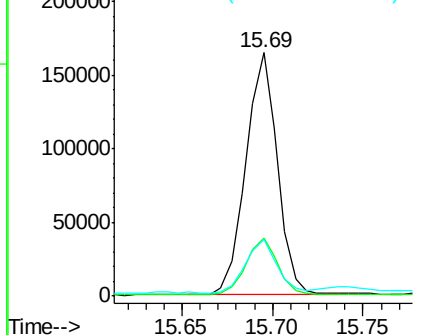
Lab File: BF106596.D

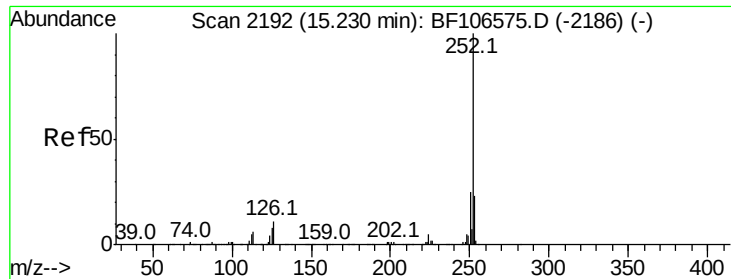
Acq: 19 Jun 2018 21:37

Tgt Ion:	264	Resp:	199019
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	23.2	17.5	26.3



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: 16.523 ng m

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Instrument :

BNA_F

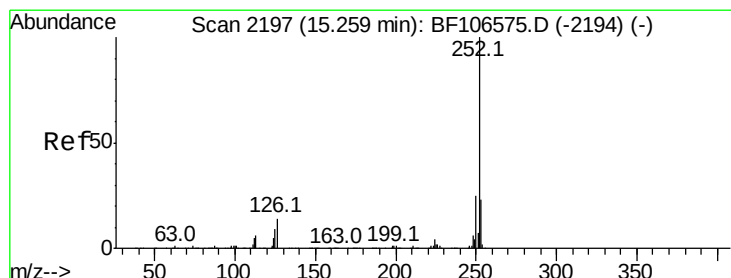
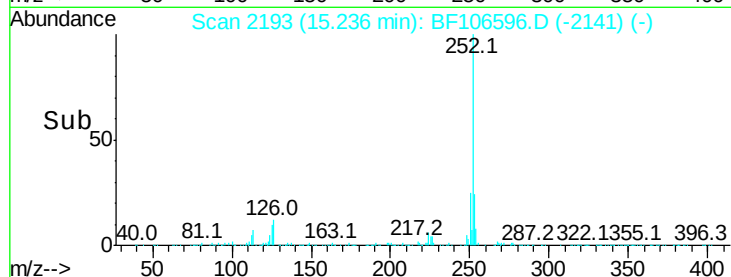
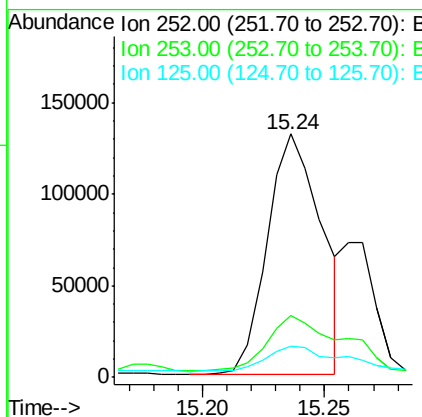
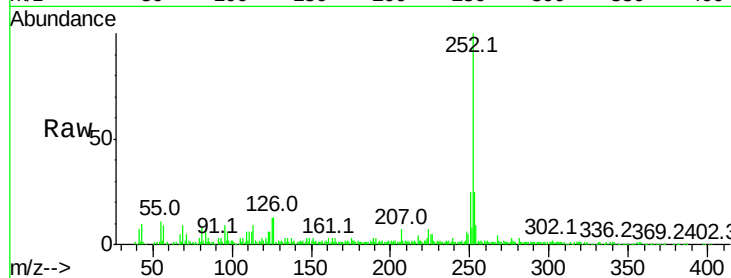
ClientSampleId :

PL-01-061818-E

Tot Ion:	252	Resp:	204272
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.0	25.6
125	12.7	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.916 ng m

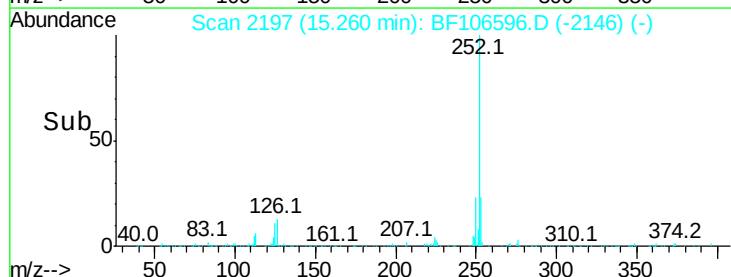
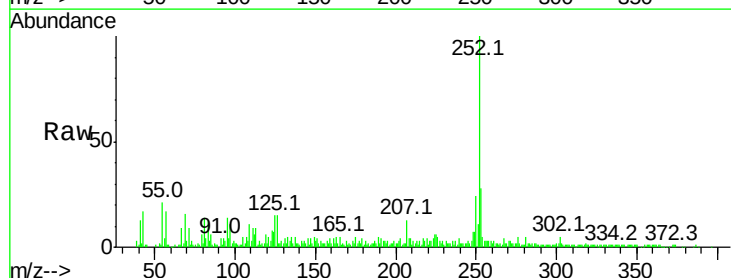
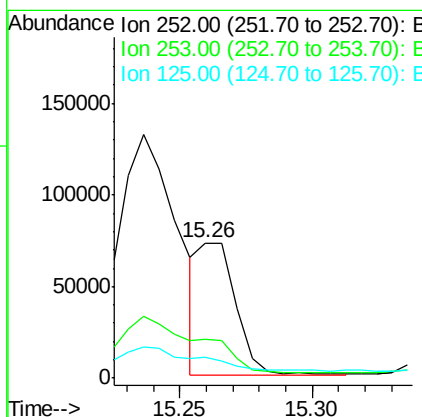
RT: 15.26 min Scan# 2197

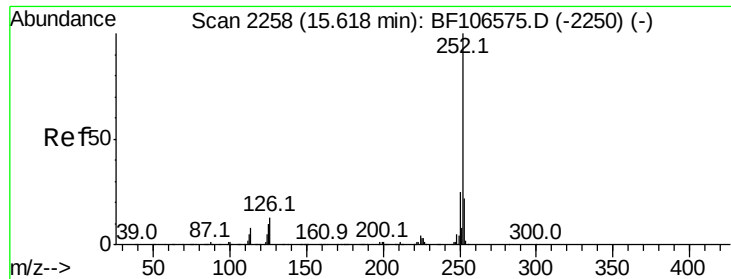
Delta R.T. 0.00 min

Lab File: BF106596.D

Acq: 19 Jun 2018 21:37

Tgt Ion:	252	Resp:	69653
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.9	26.9#
125	15.0	10.2	15.2





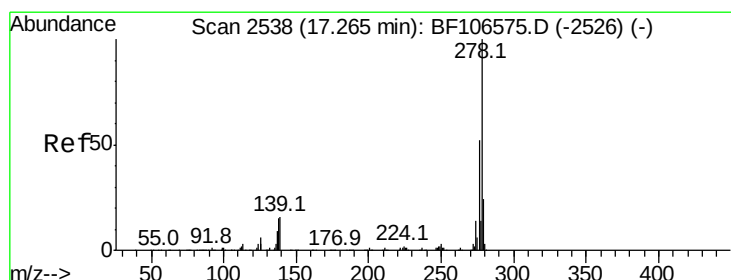
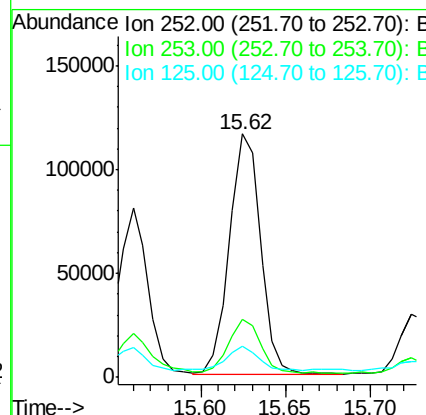
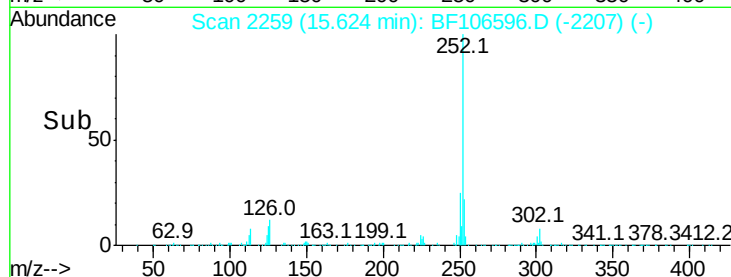
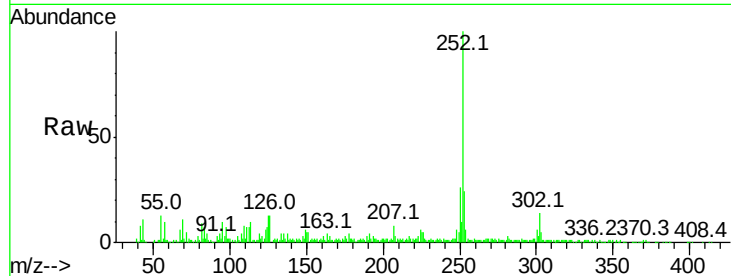
#89
Benzo(a)pyrene
Concen: 13.483 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.6	9.8	14.6

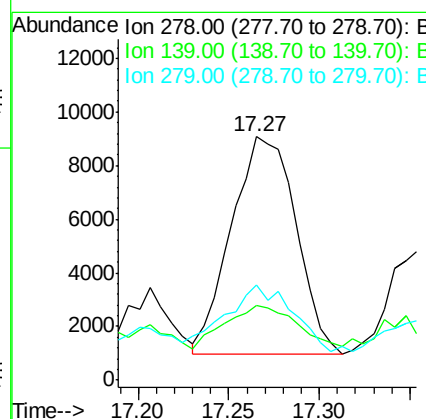
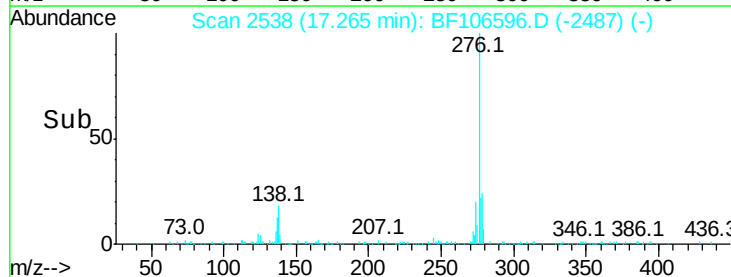
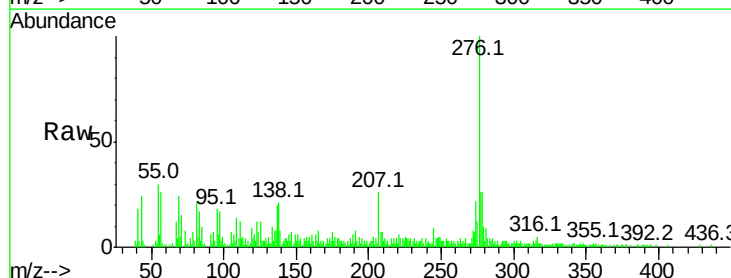
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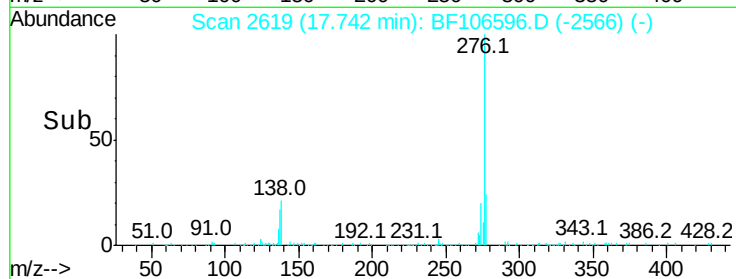
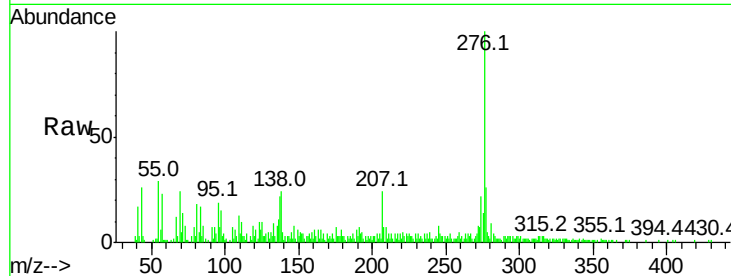
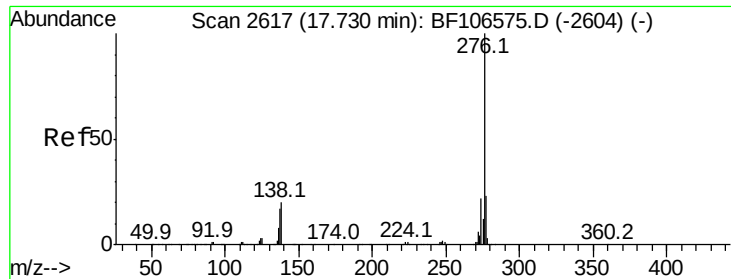
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#90
Dibenzo(a,h)anthracene
Concen: 2.143 ng
RT: 17.27 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.5	15.9	23.9#
279	39.0	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 7.795 ng
RT: 17.74 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF106596.D
Acq: 19 Jun 2018 21:37

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	24.0	21.8	32.8

Manual Integrations
APPROVED

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