

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107037.D
 Acq On : 2 Jul 2018 11:56
 Operator : JU/SJ
 Sample : J3749-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

Manual Integrations
 APPROVED

Sohil
 7/3/2018 5:29:42 PM

Quant Time: Jul 02 14:01:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61108	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	230246	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	104012	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	195772	20.00	ng	0.00
75) Chrysene-d12	14.15	240	184260	20.00	ng	-0.01
86) Perylene-d12	15.71	264	130641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	70731	19.60	ng	0.00
7) Phenol-d6	6.60	99	116273	25.80	ng	-0.01
23) Nitrobenzene-d5	7.52	82	70470	17.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	12280	10.19	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	149054	11.50	ng	-0.02
78) Terphenyl-d14	13.08	244	169719	22.31	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	29548	3.788	ng	Qvalue # 98
70) Phenanthrene	11.52	178	60382	6.395	ng	98
71) Anthracene	11.57	178	24407	2.532	ng	100
74) Fluoranthene	12.71	202	254633	24.466	ng	95
77) Pyrene	12.95	202	257570	21.198	ng	98
80) Benzo(a)anthracene	14.14	228	129929	11.570	ng	97
82) Chrysene	14.18	228	123026	11.908	ng	97
85) Indeno(1,2,3-cd)pyrene	17.30	276	37620	4.291	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	115356m	14.215	ng	
88) Benzo(k)fluoranthene	15.28	252	43768m	5.663	ng	
89) Benzo(a)pyrene	15.64	252	71009	9.843	ng	# 92
91) Benzo(a,h,i)perylene	17.79	276	37854	6.334	ng	# 88

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

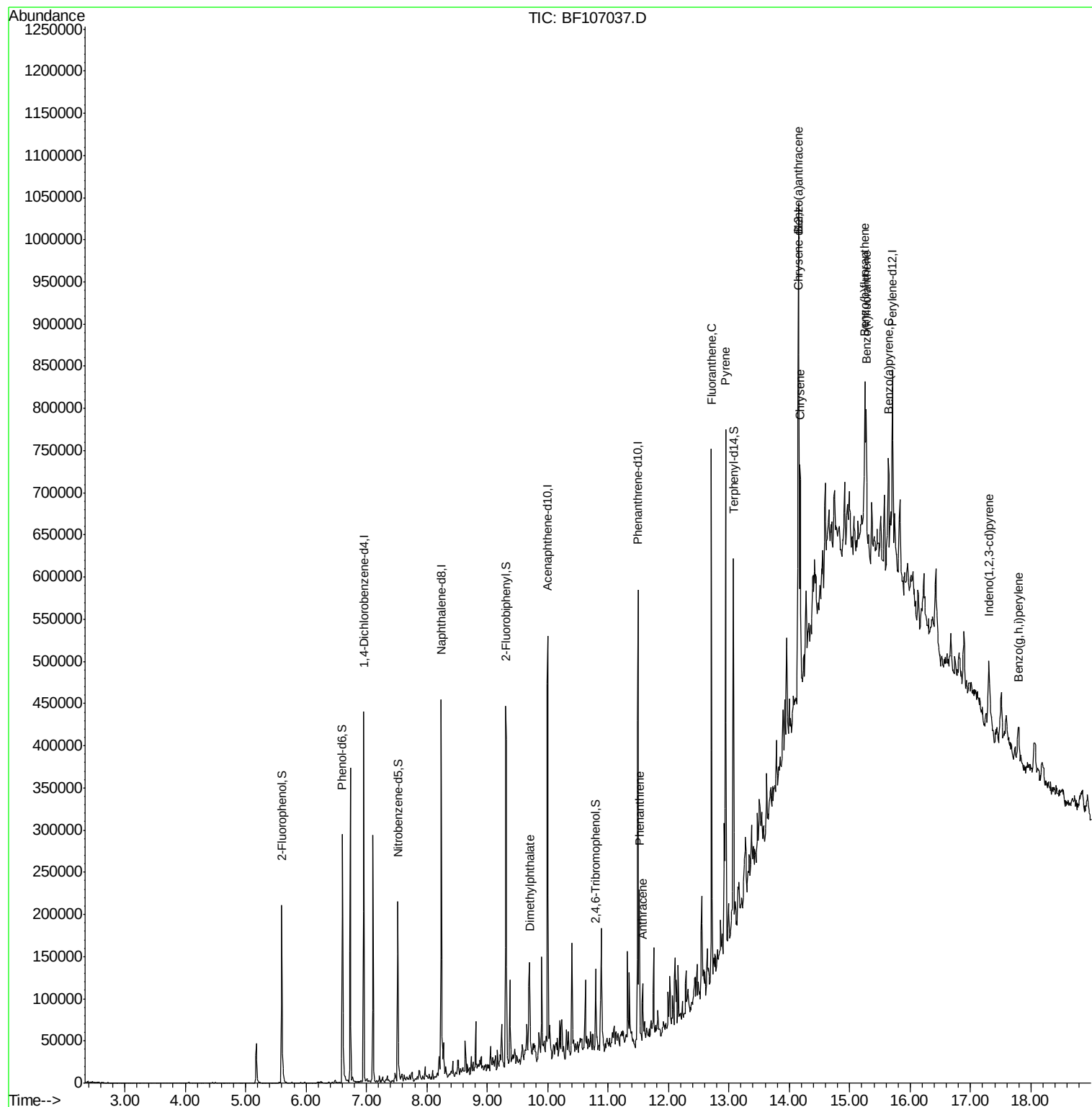
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107037.D
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Sample : J3749-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

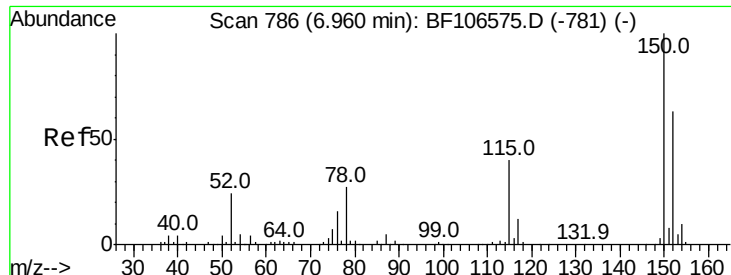
Instrument :
BNA_F
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ZER-BOLLARD-1-2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

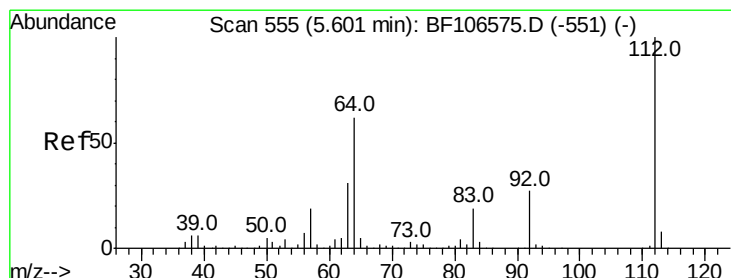
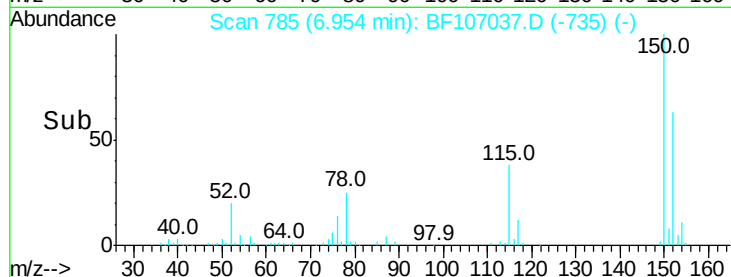
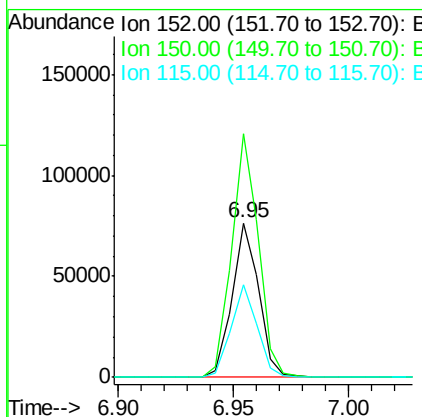
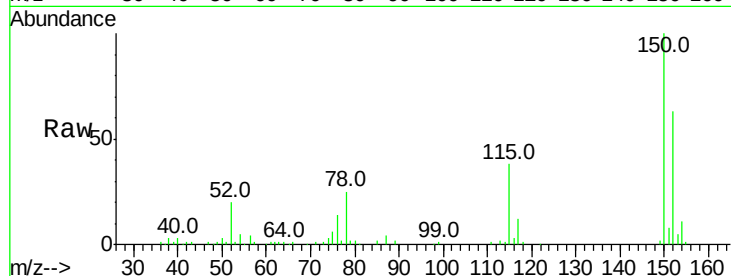
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	59.9	50.1	75.1

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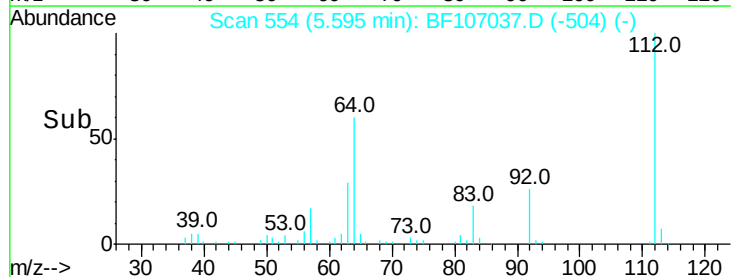
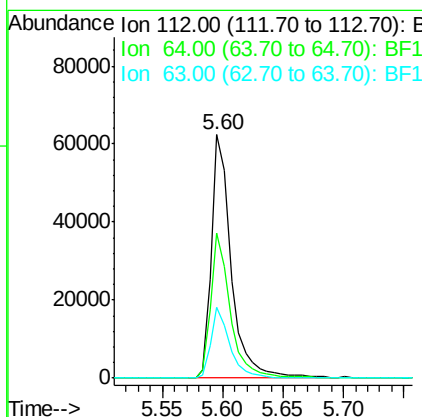
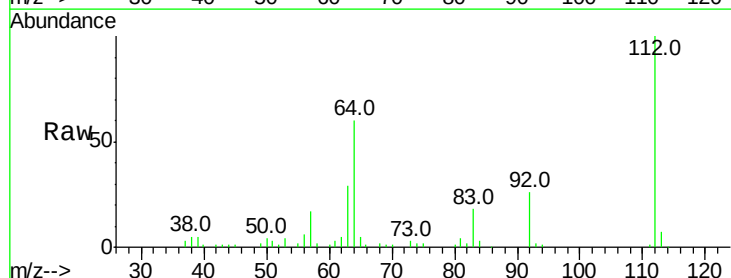
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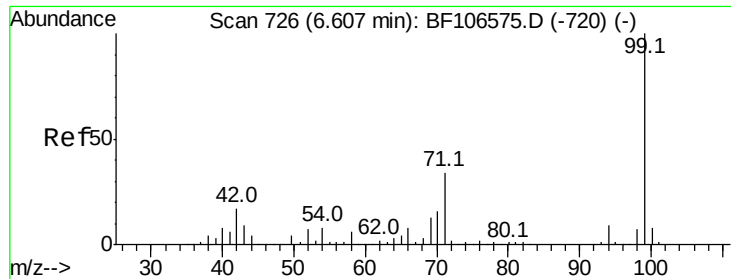


#5

2-Fluorophenol
Concen: 19.600 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 25.800 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

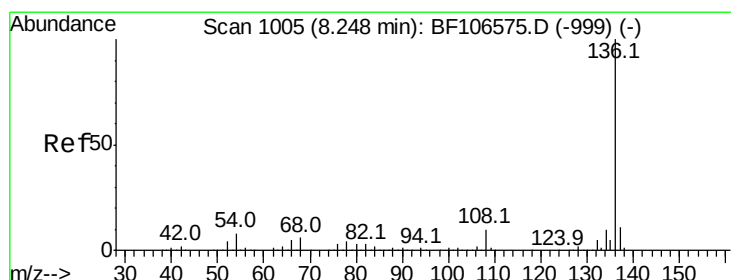
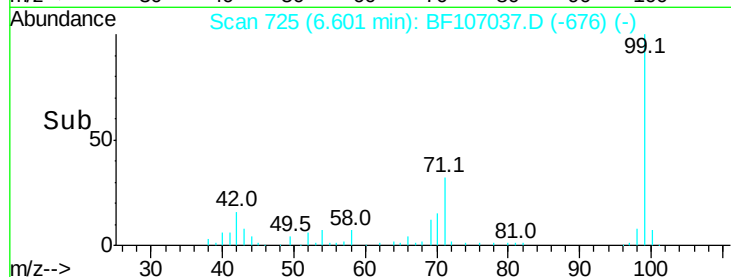
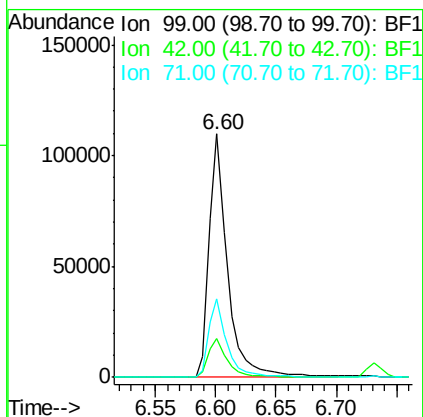
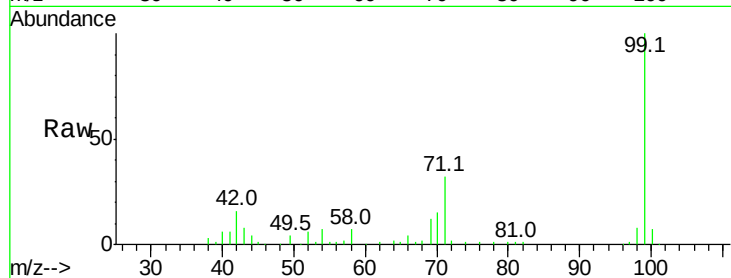
ClientSampleId :

ZER-BOLLARD-1-2

Tot Ion:	99	Resp:	116273
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

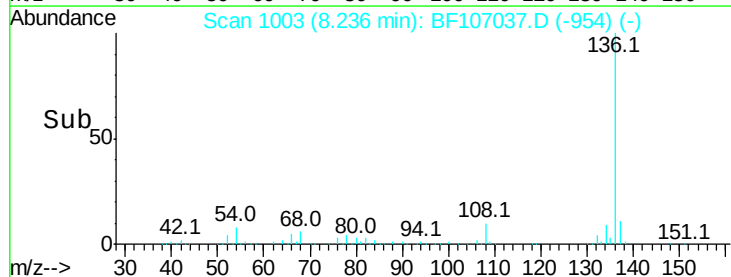
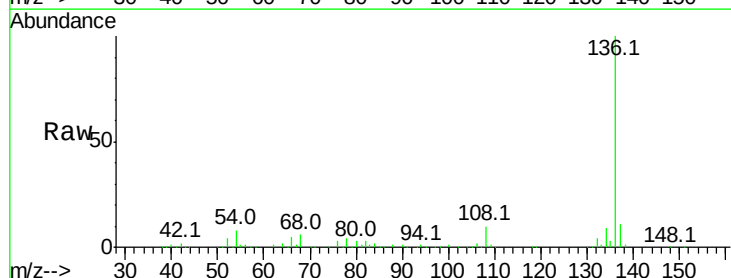
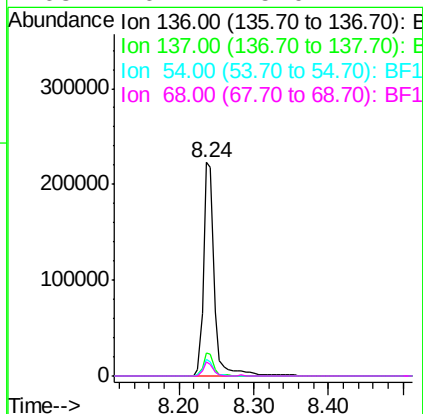
RT: 8.24 min Scan# 1003

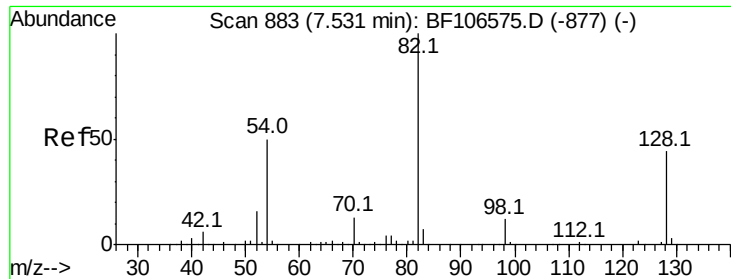
Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Tgt Ion:	136	Resp:	230246
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.1	6.6	9.8
68	6.4	5.0	7.4





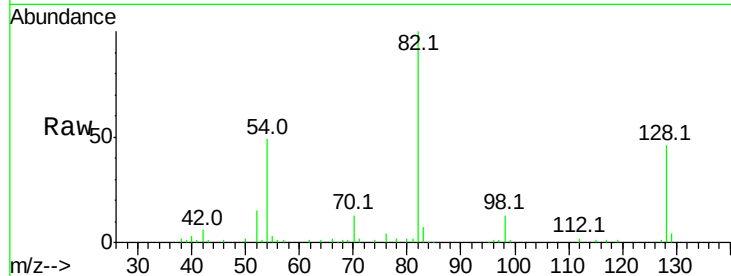
#23
 Nitrobenzene-d5
 Concen: 17.009 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

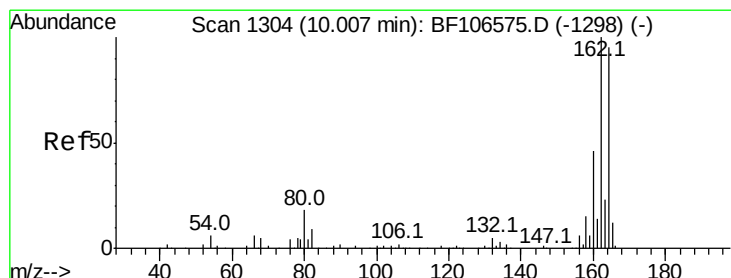
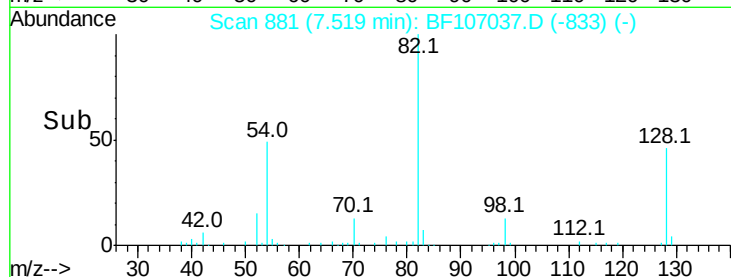
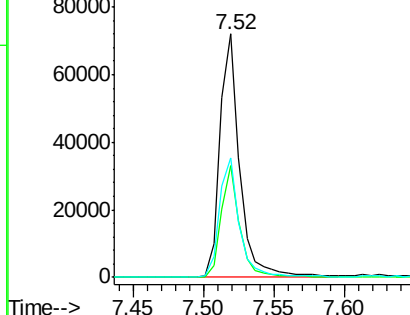
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	49.3	41.4	62.2

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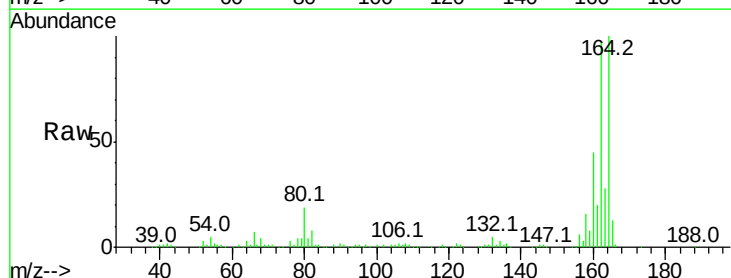


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1

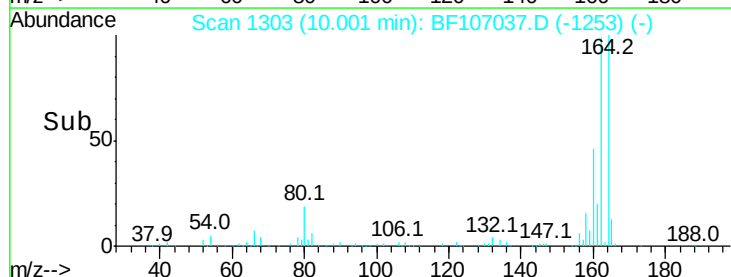
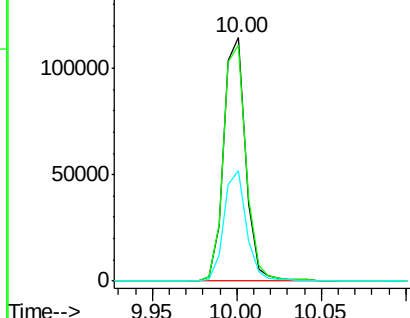


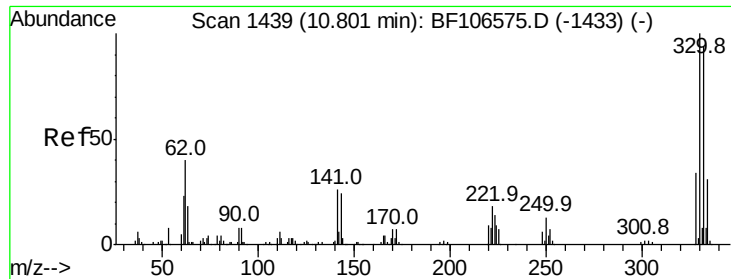
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	86.1	129.1
160	45.2	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





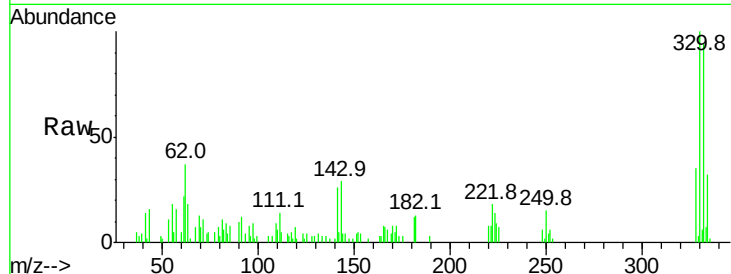
#41
 2,4,6-Tribromophenol
 Concen: 10.186 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Instrument :
 BNA_F
 ClientSampleId :
 ZER-BOLLARD-1-2

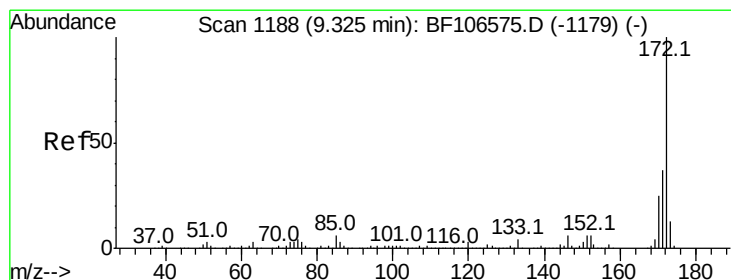
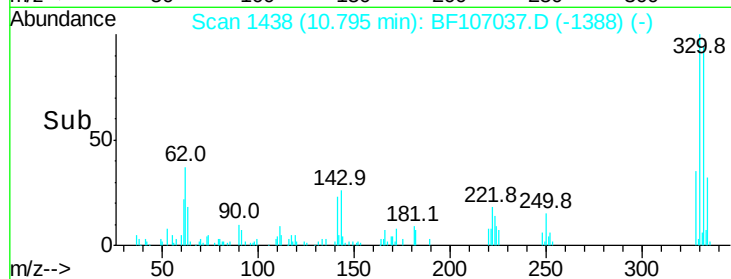
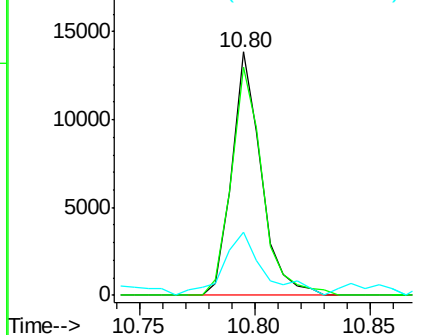
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.4	77.0	115.6	
141	35.5	29.9	44.9	

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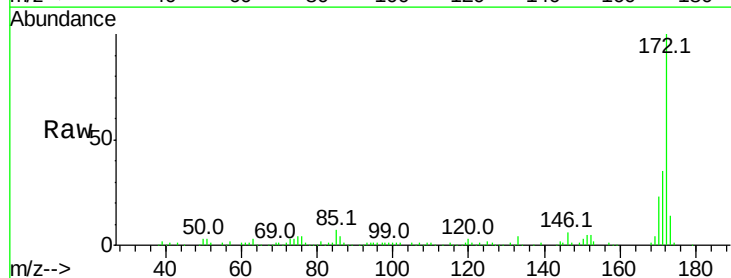


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

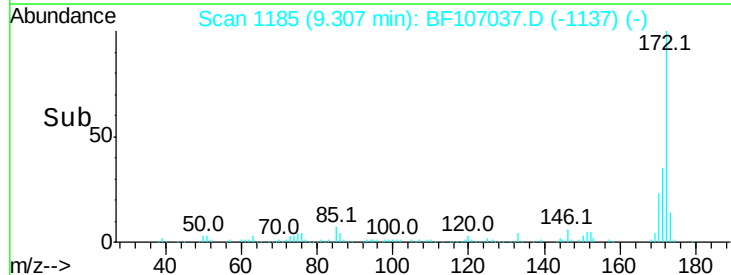
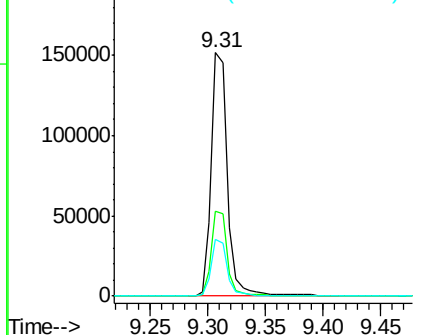


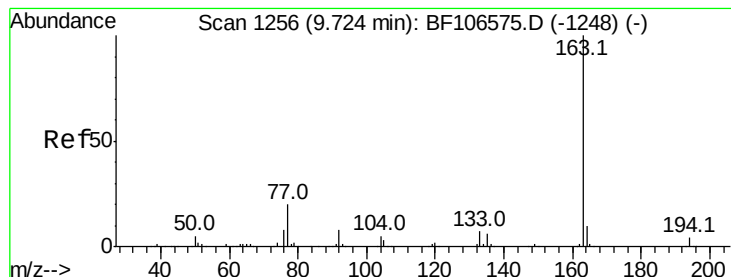
#44
 2-Fluorobiphenyl
 Concen: 11.501 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107037.D
 Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.7	44.5	
170	23.3	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: 3.788 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

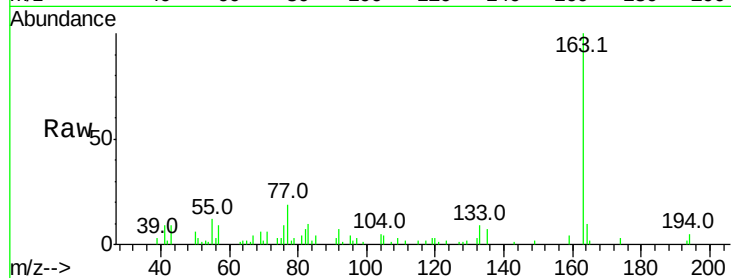
ClientSampleId :

ZER-BOLLARD-1-2

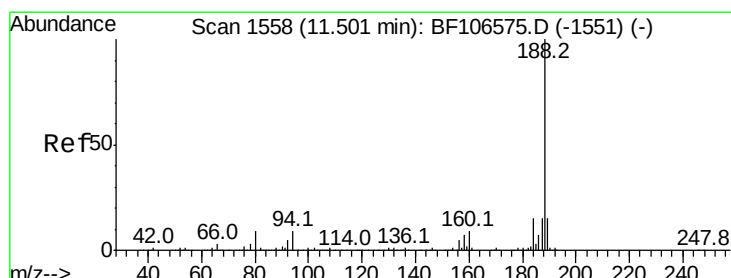
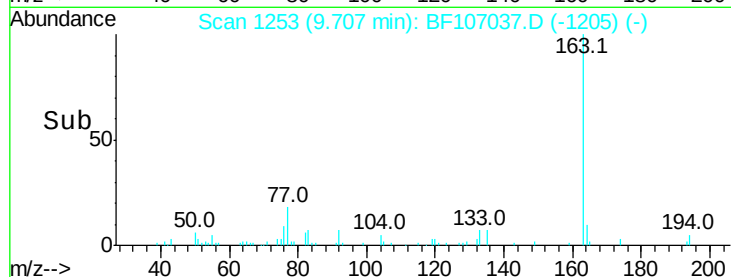
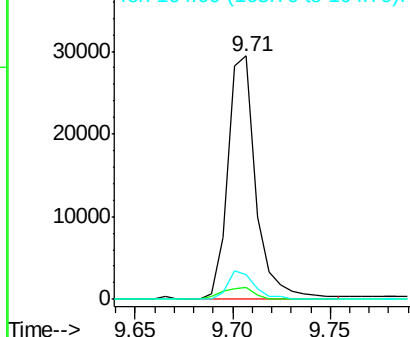
Tot Ion:	163	Resp:	29548
Ion Ratio	Lower	Upper	
163	100		
194	4.8	2.7	4.1#
164	9.9	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

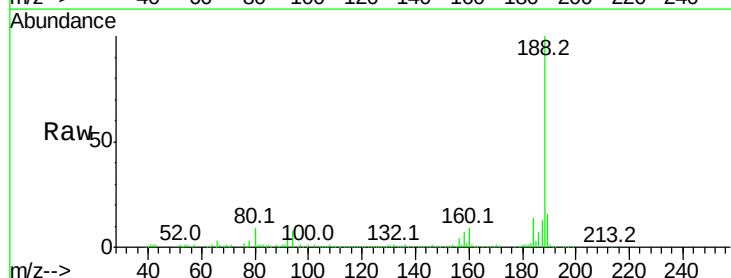
RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

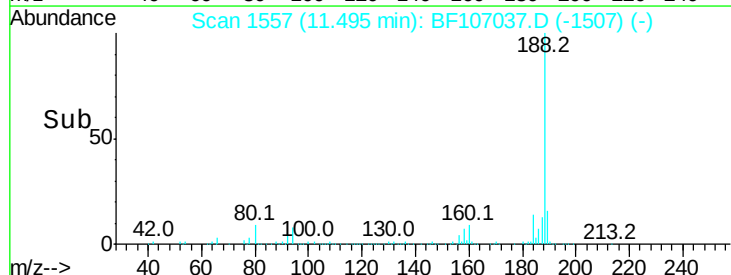
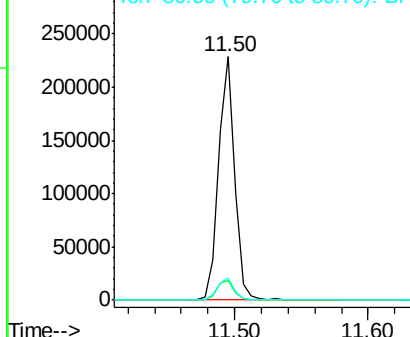
Lab File: BF107037.D

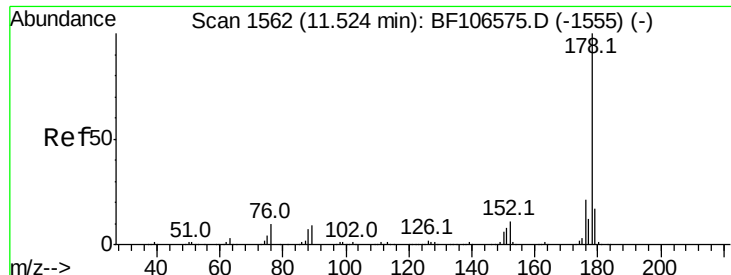
Acq: 2 Jul 2018 11:56

Tgt Ion:	188	Resp:	195772
Ion Ratio	Lower	Upper	
188	100		
94	7.9	8.5	12.7#
80	8.9	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





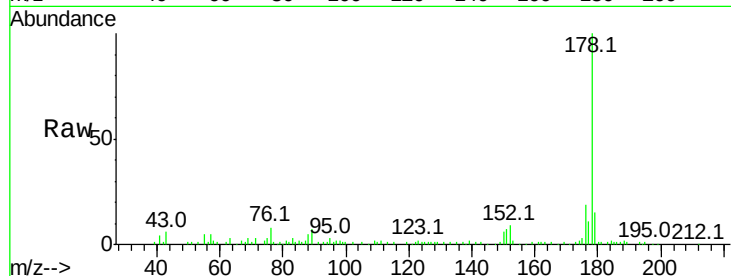
#70
Phenanthrene
Concen: 6.395 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

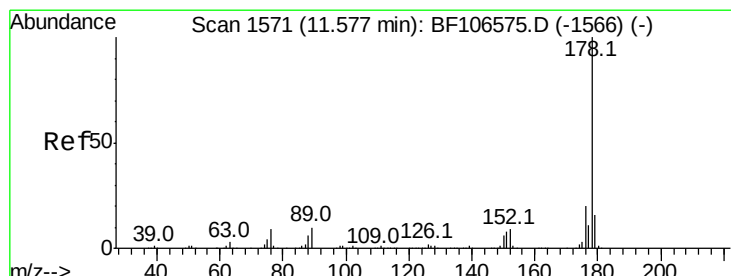
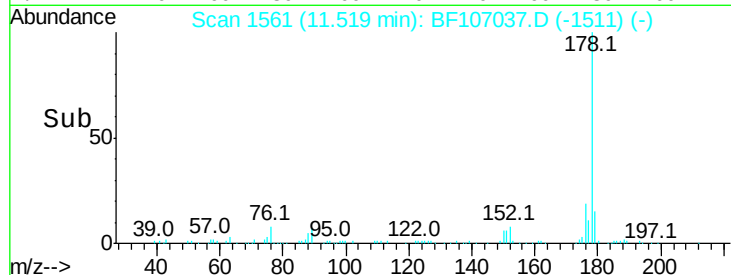
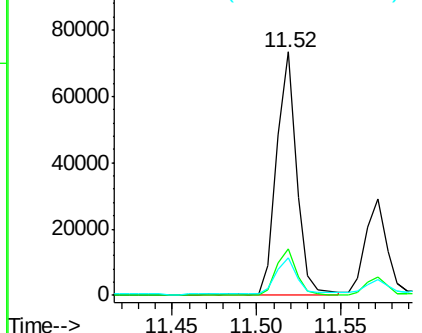
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6

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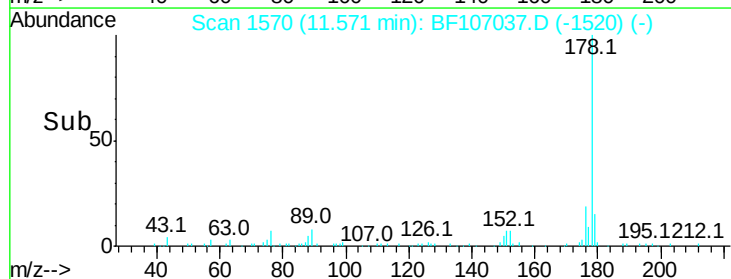
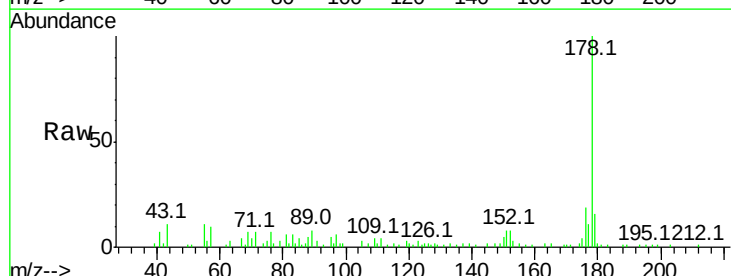
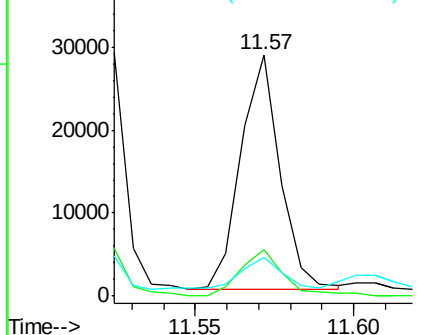
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

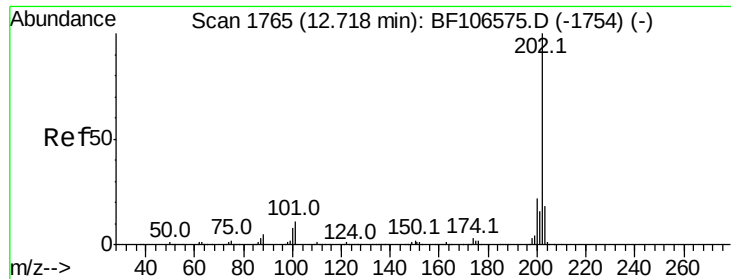


#71
Anthracene
Concen: 2.532 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.9	12.6	19.0

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: 24.466 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

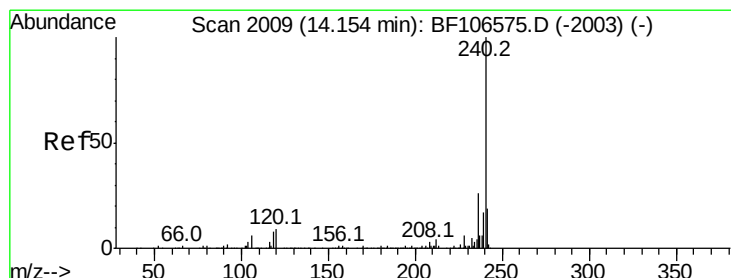
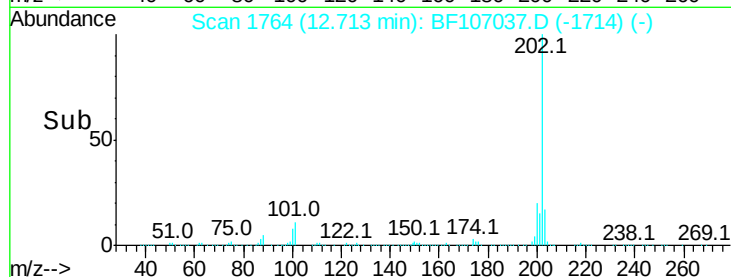
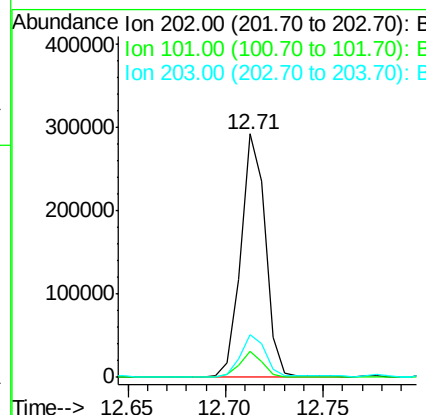
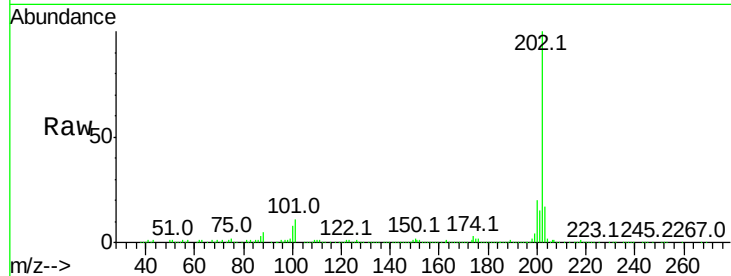
ClientSampleId :

ZER-BOLLARD-1-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

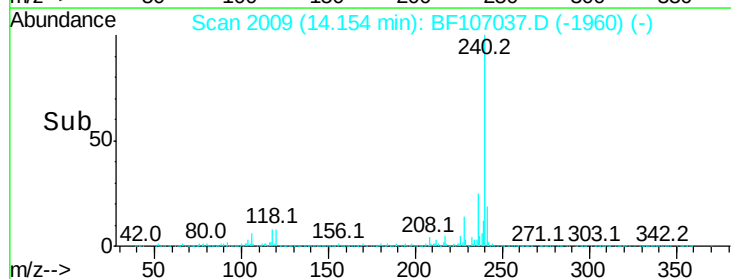
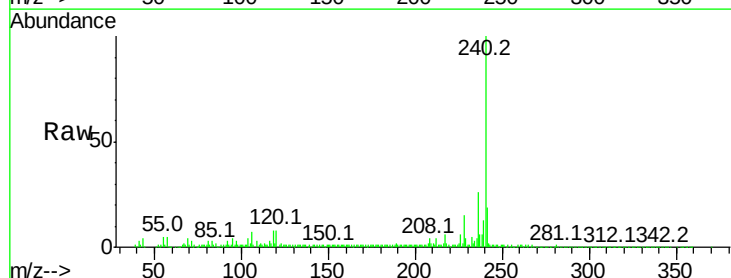
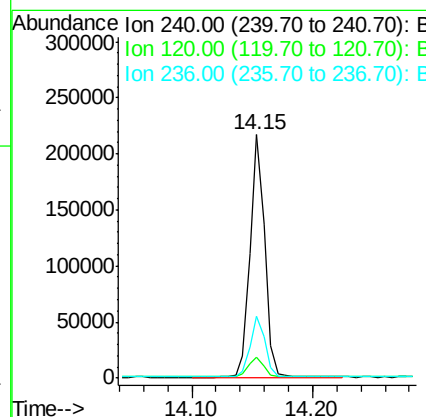
RT: 14.15 min Scan# 2009

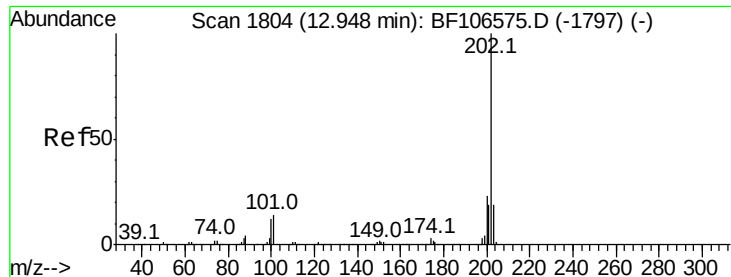
Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.4	9.5	14.3#
236	25.5	20.7	31.1





#77

Pvrene

Concen: 21.198 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Instrument :

BNA_F

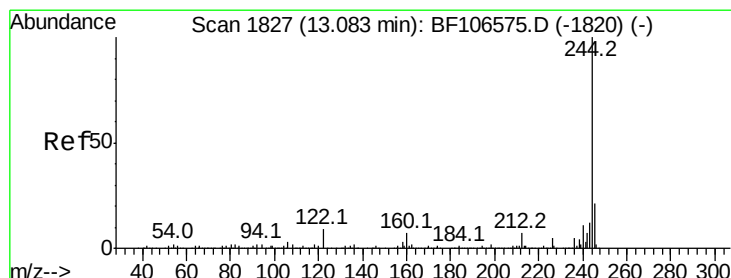
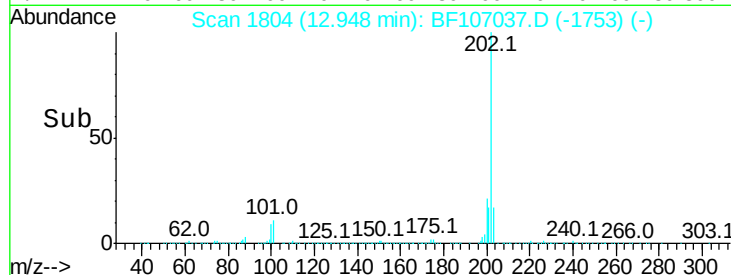
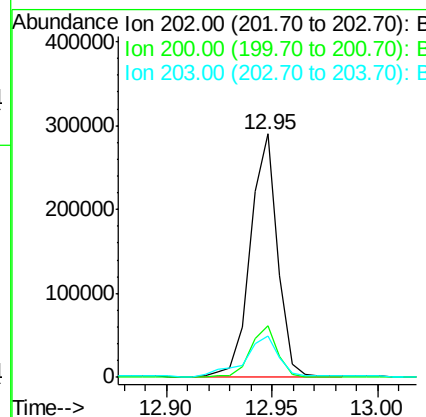
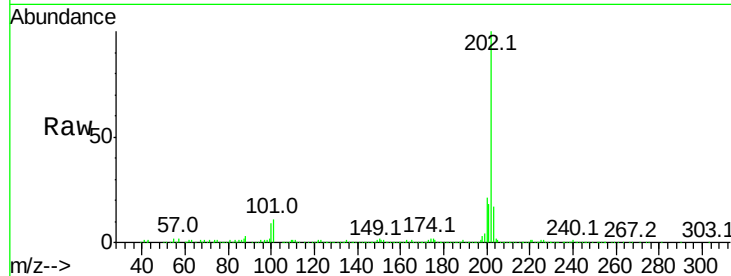
ClientSampleId :

ZER-BOLLARD-1-2

Tot Ion:	202	Resp:	257570
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 22.311 ng

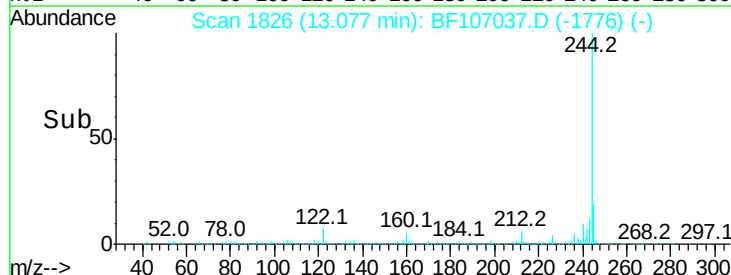
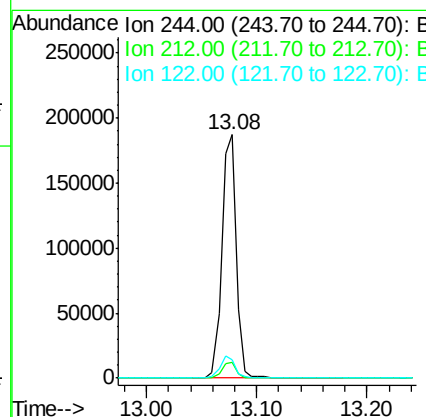
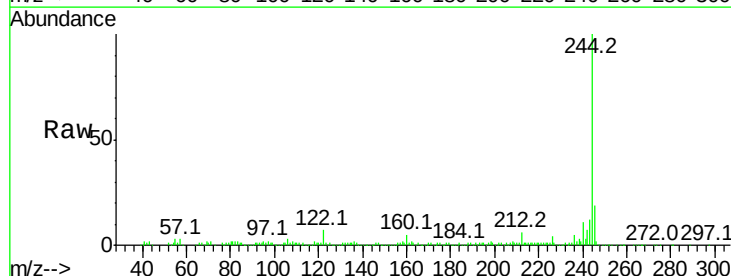
RT: 13.08 min Scan# 1826

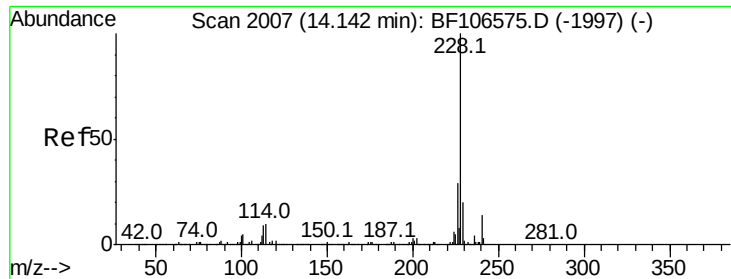
Delta R.T. -0.01 min

Lab File: BF107037.D

Acq: 2 Jul 2018 11:56

Tgt Ion:	244	Resp:	169719
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.4	11.0	16.4#





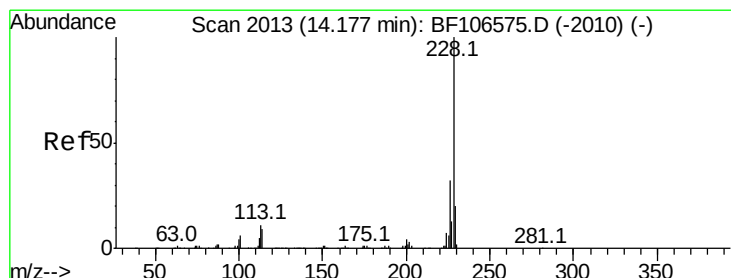
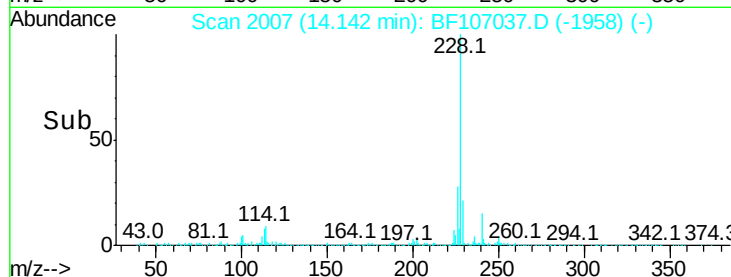
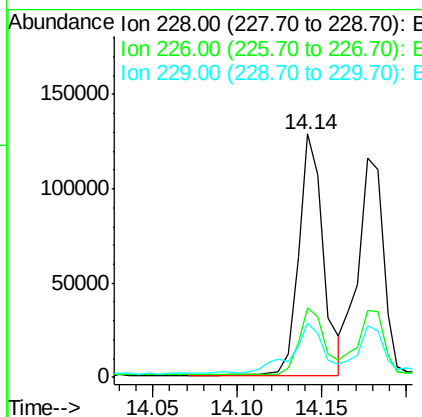
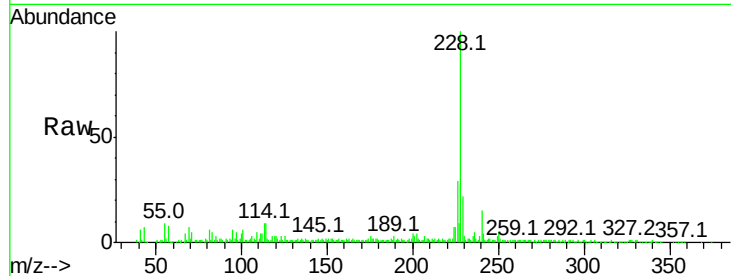
#80
Benzo(a)anthracene
Concen: 11.570 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	22.3	15.8	23.6

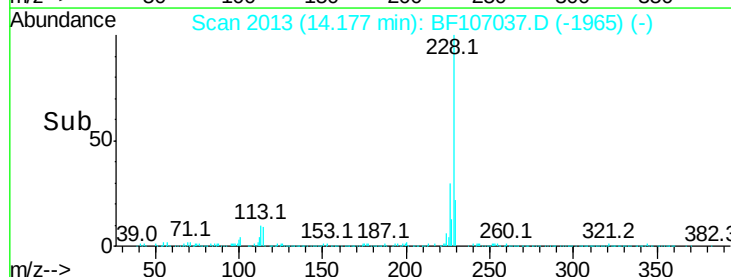
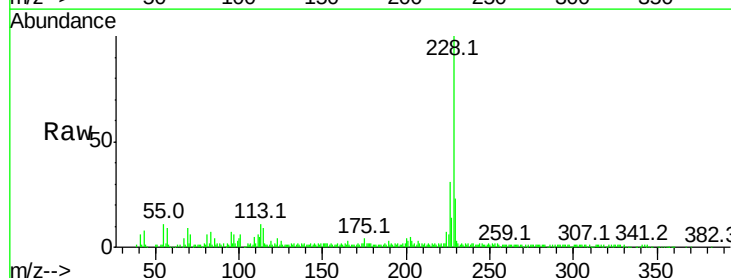
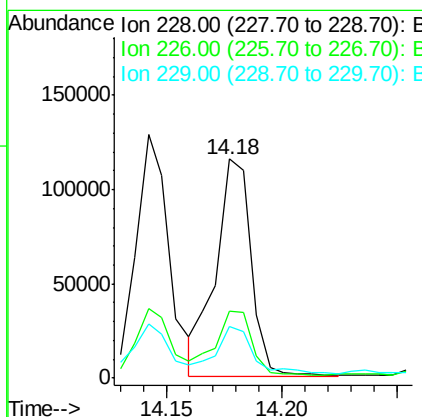
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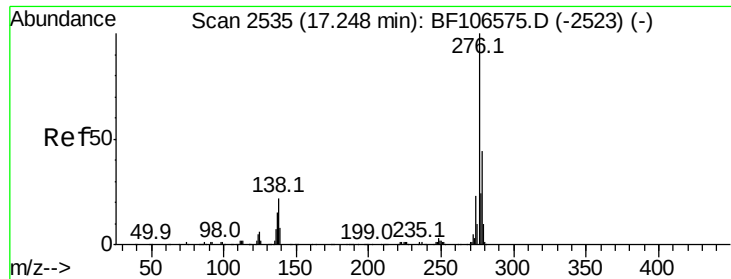
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#82
Chrysene
Concen: 11.908 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.3	16.2	24.4





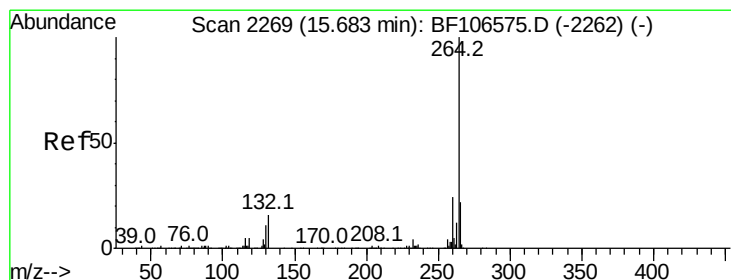
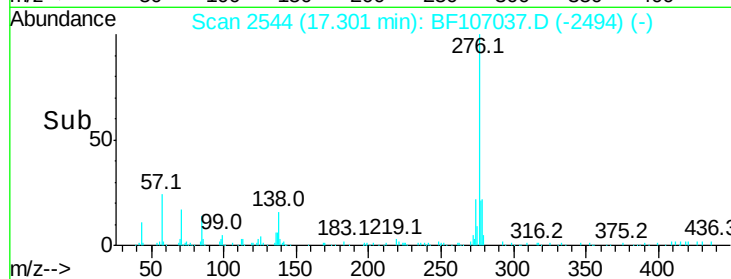
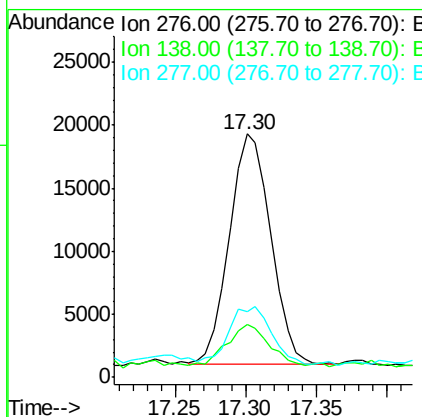
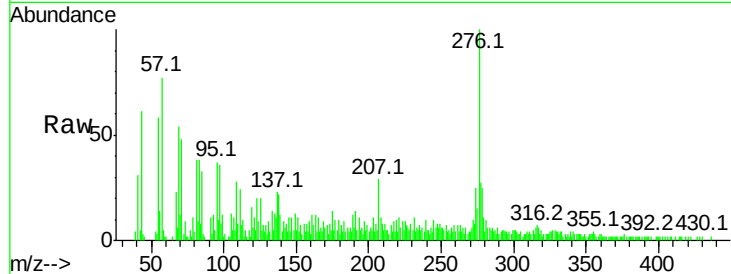
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.291 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.0	37.6#
277	25.6	20.1	30.1

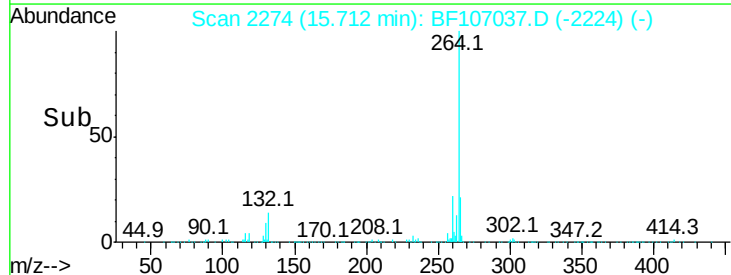
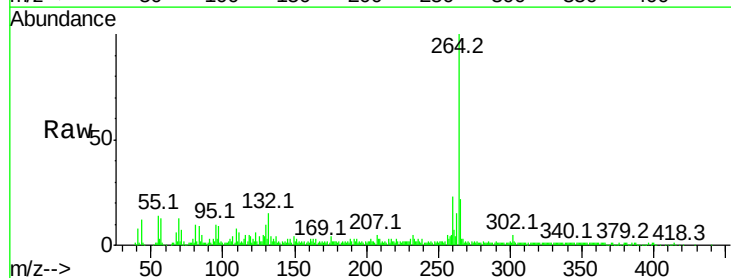
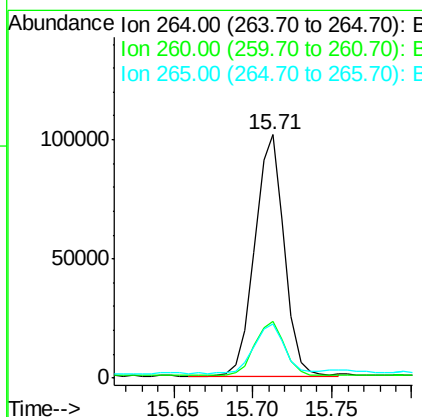
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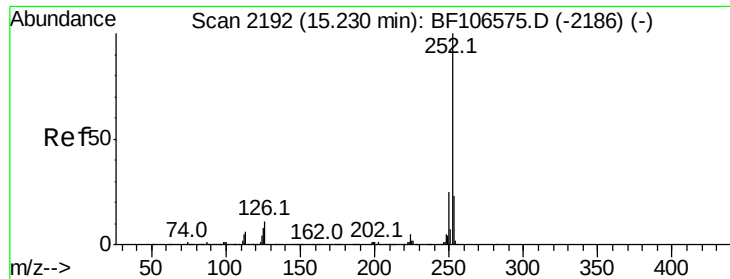
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.4	17.5	26.3





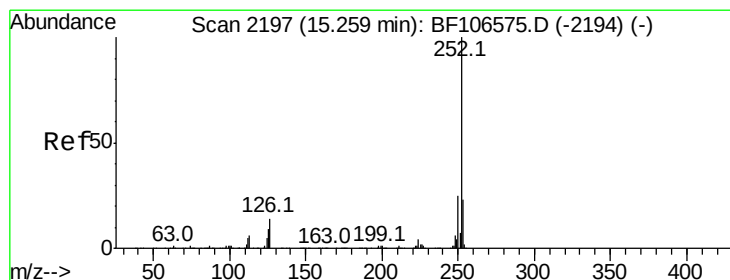
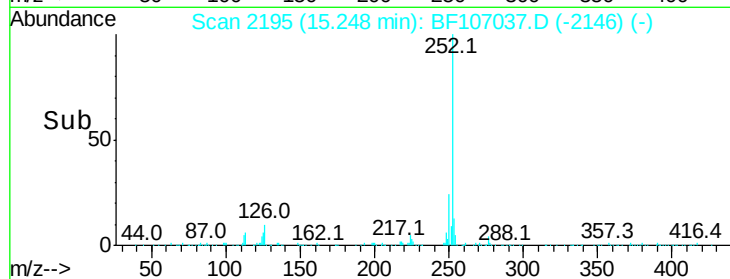
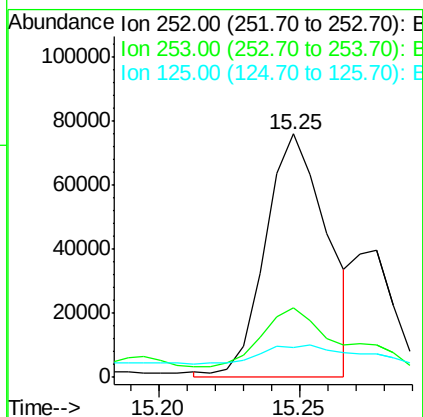
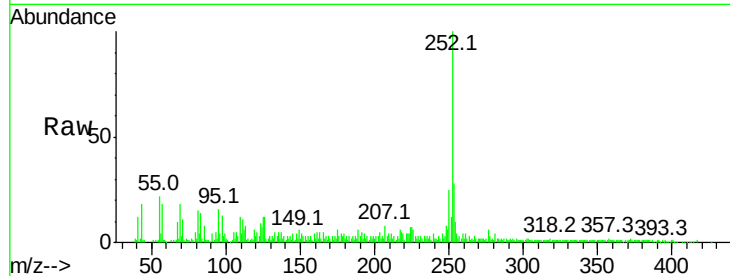
#87
Benzo(b)fluoranthene
Concen: 14.215 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.0	25.6#
125	12.4	9.0	13.6

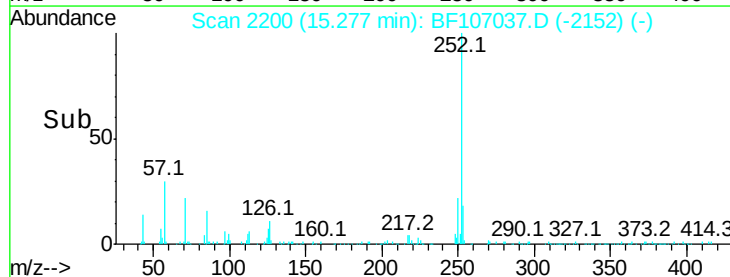
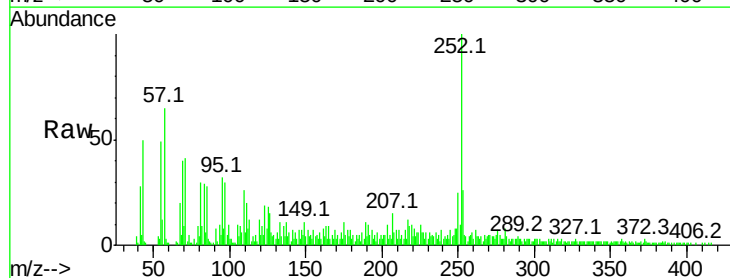
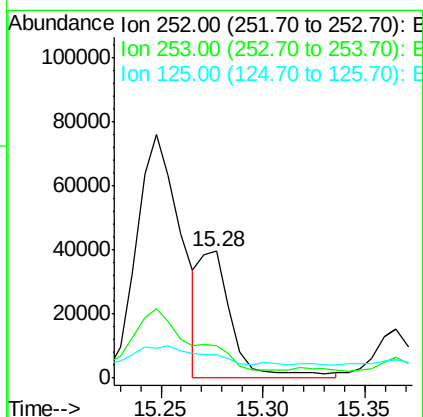
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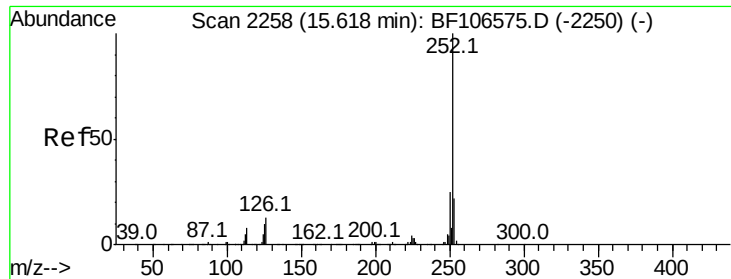
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#88
Benzo(k)fluoranthene
Concen: 5.663 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	18.3	10.2	15.2#





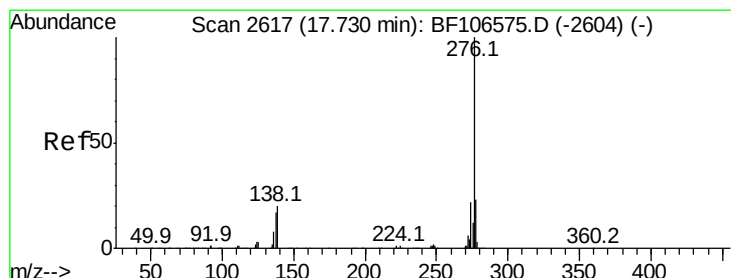
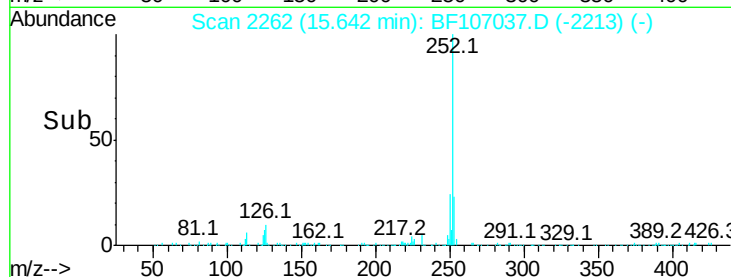
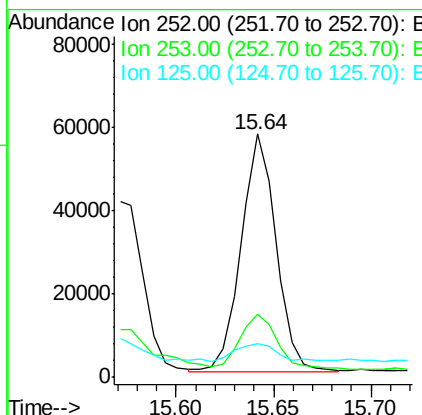
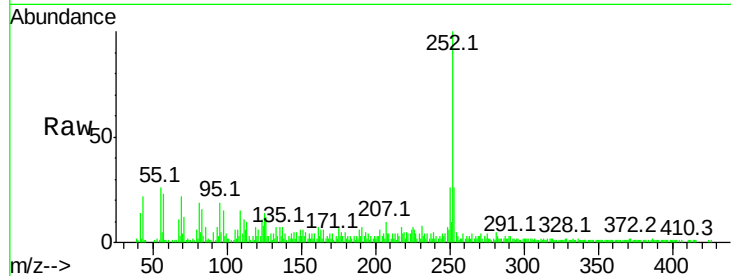
#89
Benzo(a)pyrene
Concen: 9.843 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Instrument :
BNA_F
ClientSampleId :
ZER-BOLLARD-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.1	25.7#
125	13.7	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.334 ng
RT: 17.79 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF107037.D
Acq: 2 Jul 2018 11:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	17.9	26.9#
138	21.9	21.8	32.8

