

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107011.D
 Acq On : 30 Jun 2018 13:42
 Operator : JU/SJ
 Sample : J3248-11 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

Manual Integrations
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Quant Time: Jul 02 05:15:02 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	57531	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	202865	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	85209	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	171492	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	212783	20.00	ng	-0.02
86) Perylene-d12	15.69	264	157533	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	77526	22.82	ng	0.00
7) Phenol-d6	6.60	99	90807	21.40	ng	-0.02
23) Nitrobenzene-d5	7.51	82	50211	13.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21179	21.45	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	90760	3.97	ng	-0.02
78) Terphenyl-d14	13.07	244	121059	13.78	ng	-0.02
Target Compounds						
70) Phenanthrene	11.51	178	144055	17.416	ng	98
71) Anthracene	11.57	178	33414	3.958	ng	100
74) Fluoranthene	12.71	202	199926	21.930	ng	95
77) Pyrene	12.94	202	192379	13.710	ng	98
80) Benzo(a)anthracene	14.13	228	100526	7.752	ng	98
82) Chrysene	14.17	228	92605m	7.762	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	25587	2.527	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	86634m	8.853	ng	
88) Benzo(k)fluoranthene	15.26	252	22289m	2.392	ng	
89) Benzo(a)pyrene	15.62	252	56784	6.527	ng	98
91) Benzo(g,h,i)perylene	17.75	276	26454	3.671	ng	# 91

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

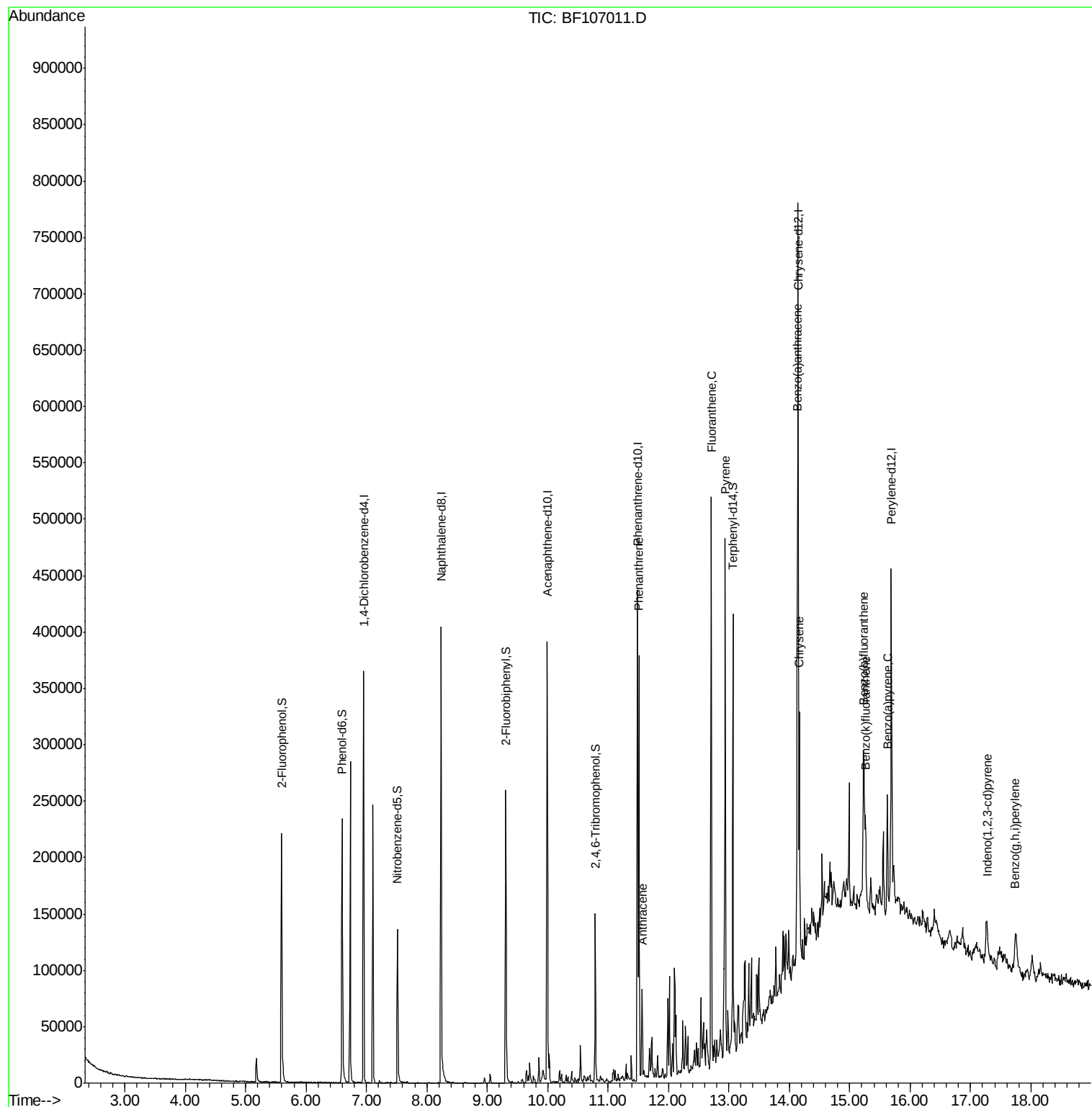
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
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#1

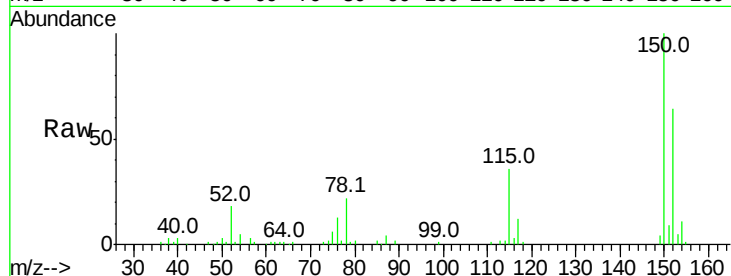
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-C

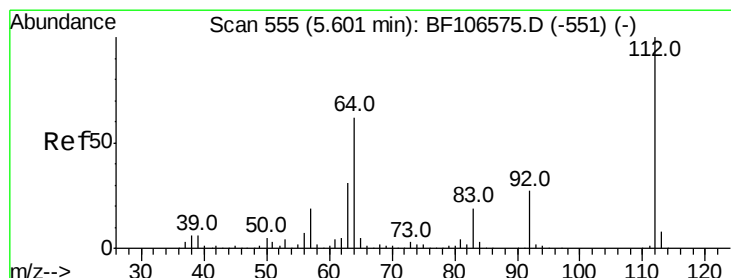
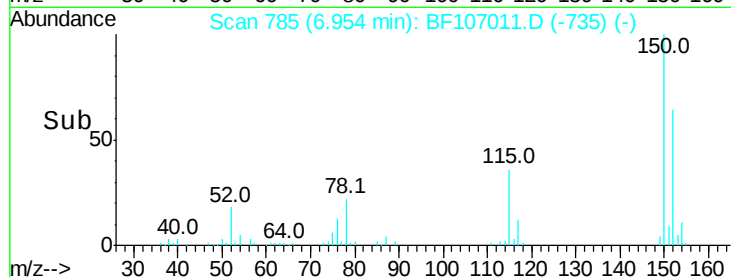
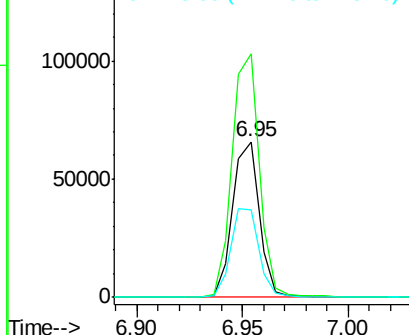
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	56.3	50.1	75.1

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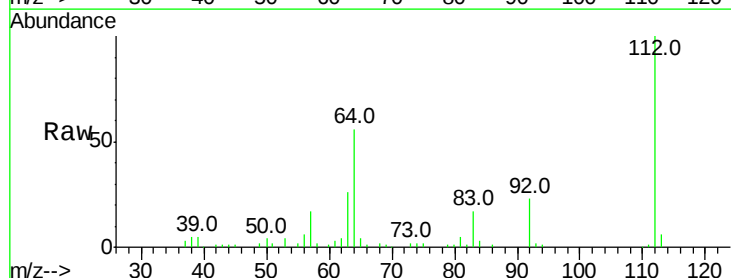
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



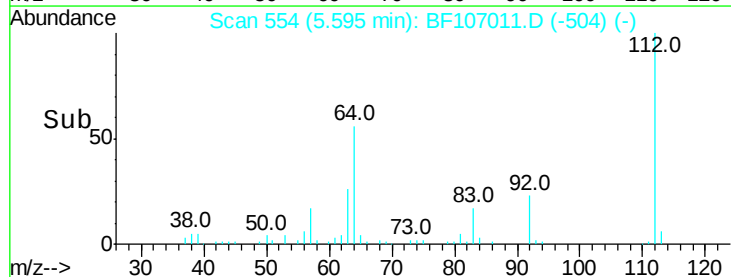
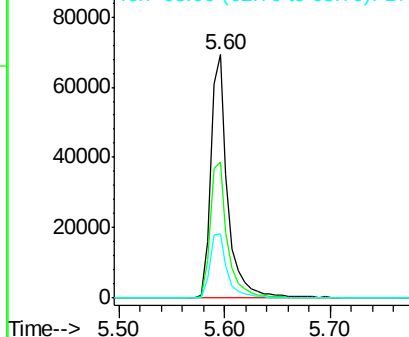
#5

2-Fluorophenol
Concen: 22.818 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	26.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.402 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

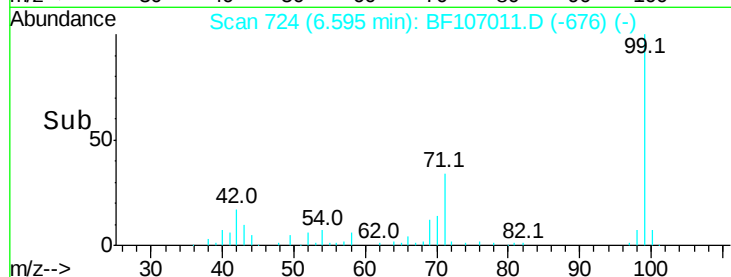
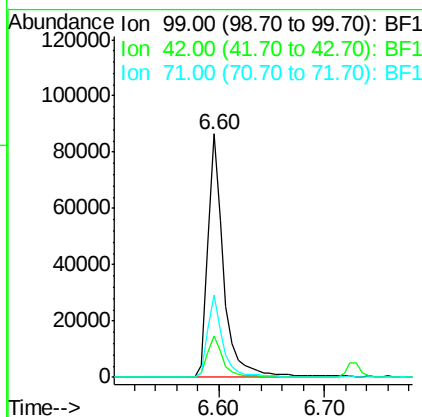
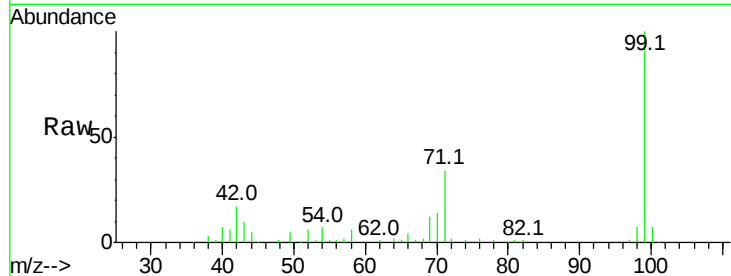
ClientSampleId :

EO-03-062818-C

Tot Ion:	99	Resp:	90807
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	33.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

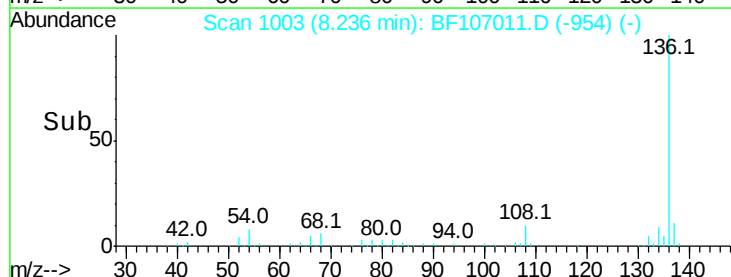
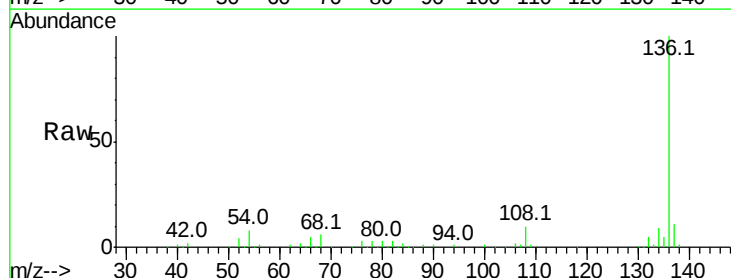
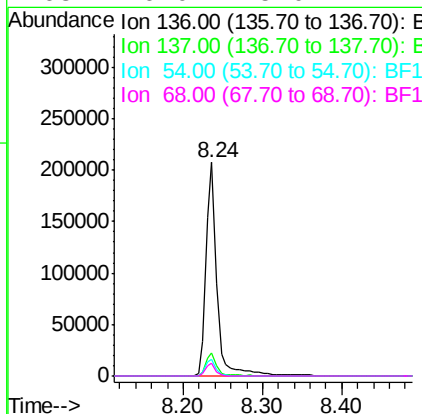
RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Tgt Ion:	136	Resp:	202865
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.9	6.6	9.8
68	6.0	5.0	7.4





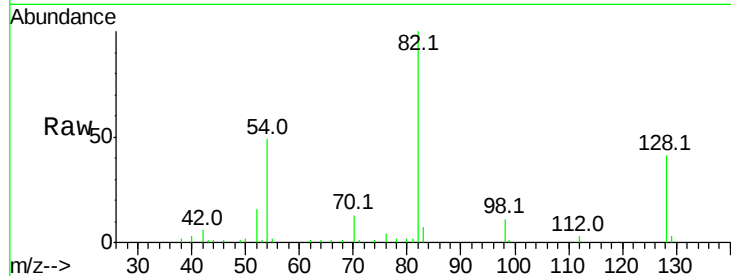
#23
 Nitrobenzene-d5
 Concen: 13.755 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

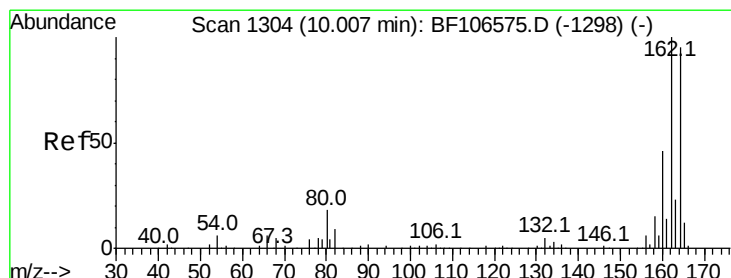
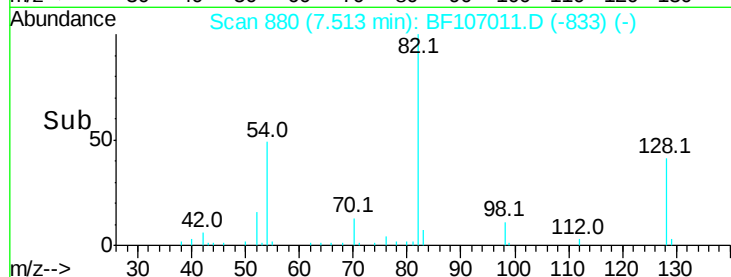
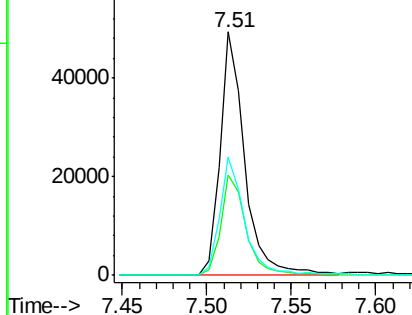
Tot Ion:	82	Resp:	50211
Ion Ratio	Lower	Upper	
82	100		
128	41.4	36.1	54.1
54	48.5	41.4	62.2

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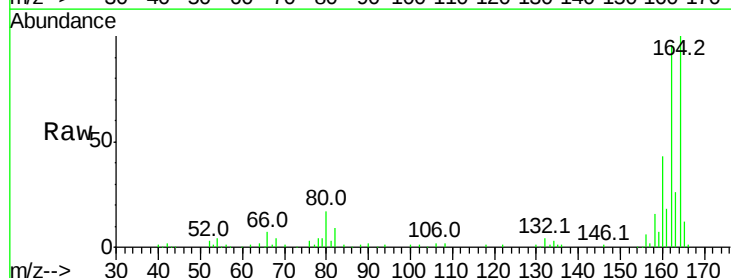


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

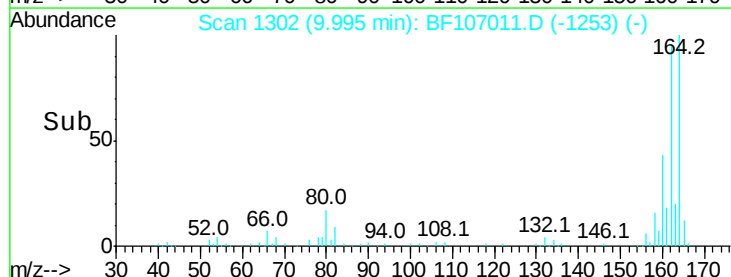
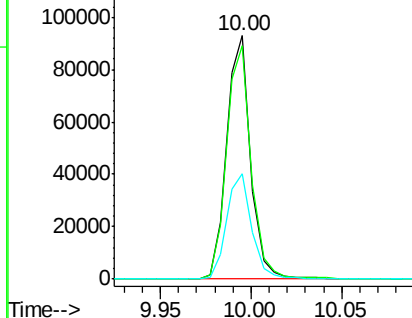


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:	164	Resp:	85209
Ion Ratio	Lower	Upper	
164	100		
162	96.0	86.1	129.1
160	43.1	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





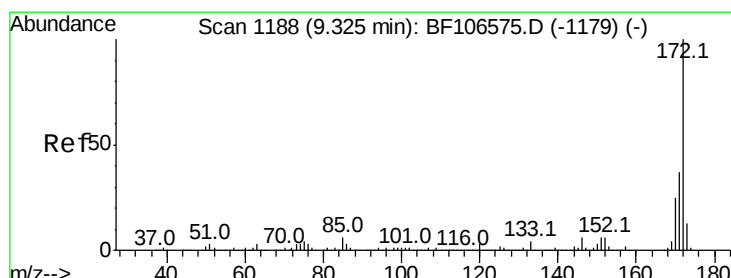
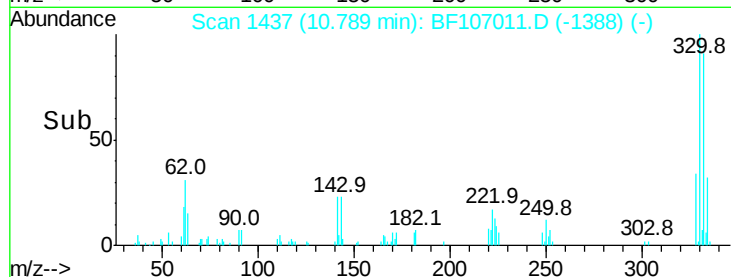
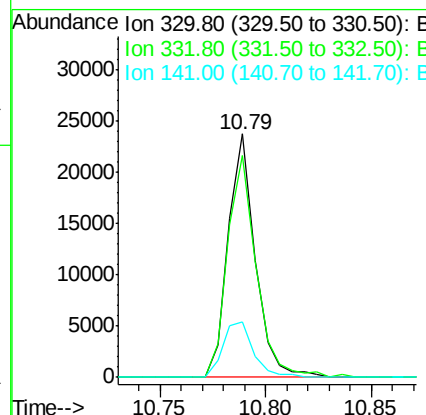
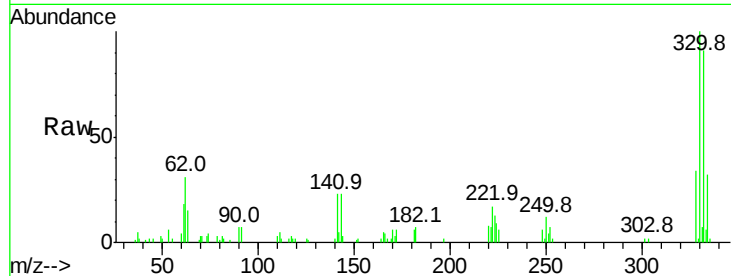
#41
 2,4,6-Tribromophenol
 Concen: 21.445 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.0	115.6	
141	25.8	29.9	44.9	

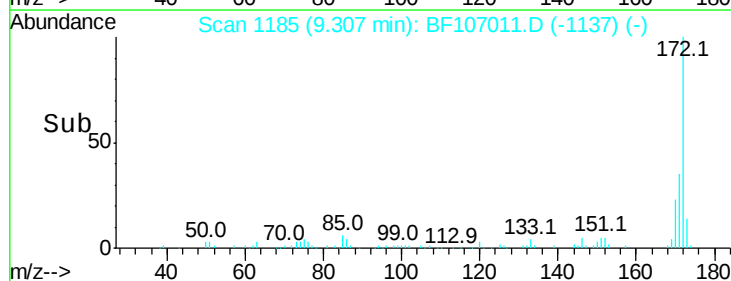
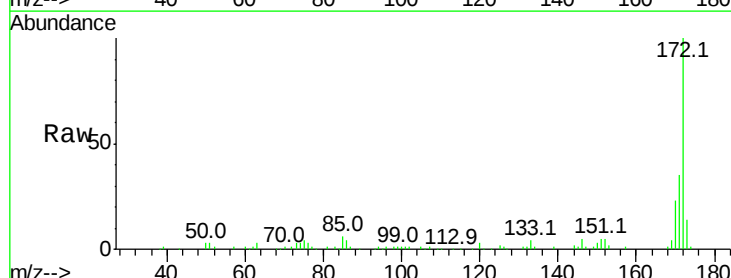
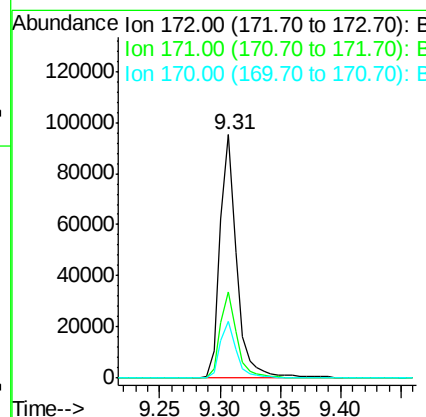
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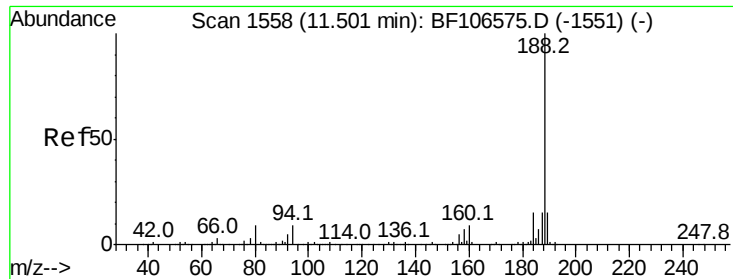
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#44
 2-Fluorobiphenyl
 Concen: 3.966 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.7	44.5	
170	23.4	19.6	29.4	





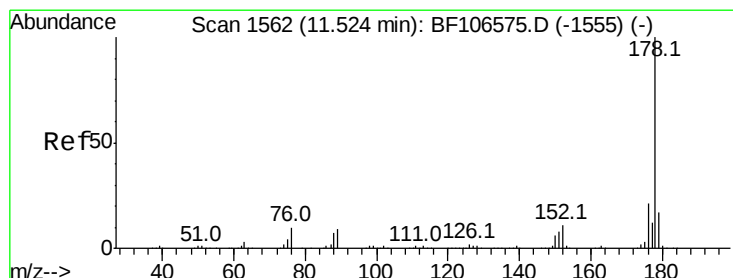
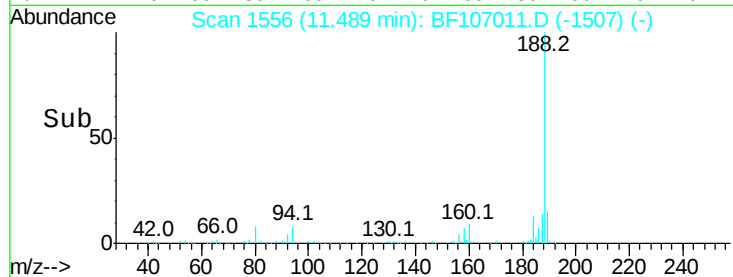
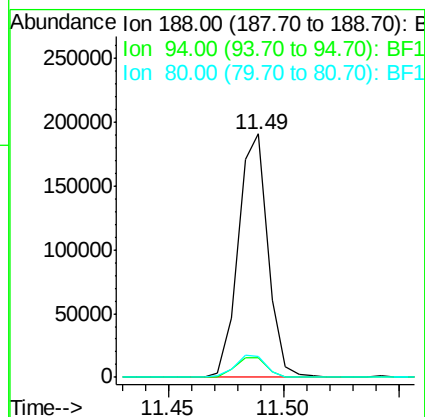
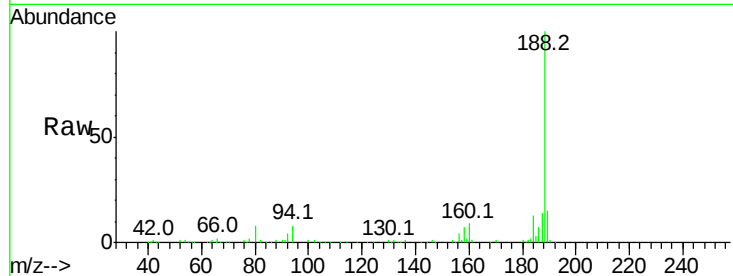
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.4	9.2	13.8#

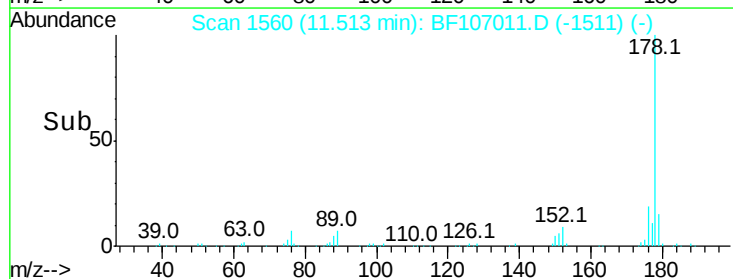
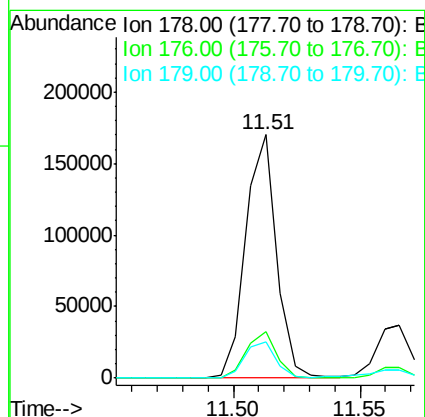
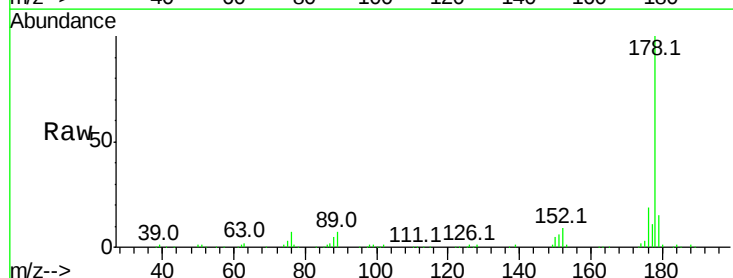
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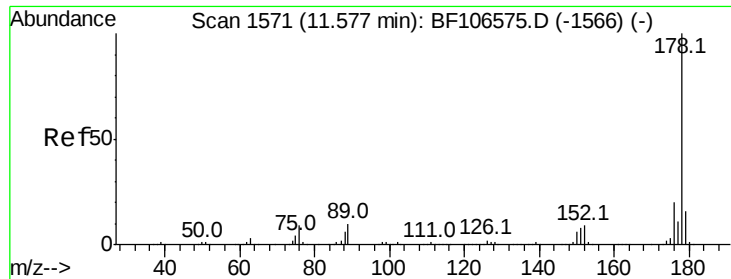
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#70
 Phenanthrene
 Concen: 17.416 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6





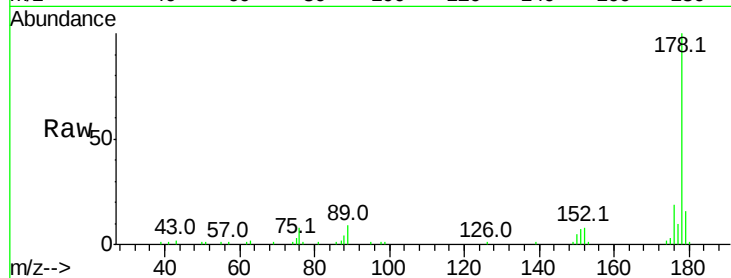
#71
 Anthracene
 Concen: 3.958 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
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 EO-03-062818-C

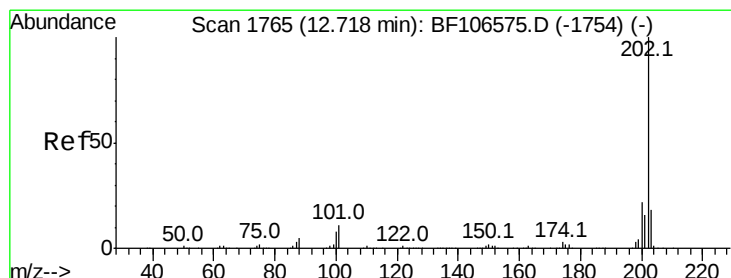
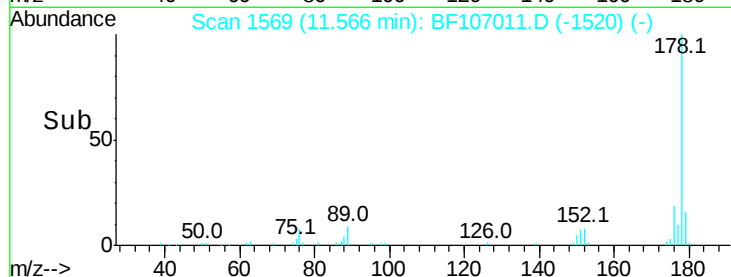
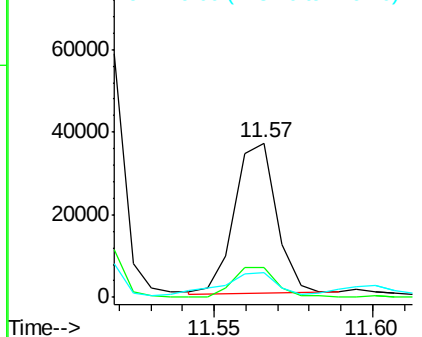
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	19.0

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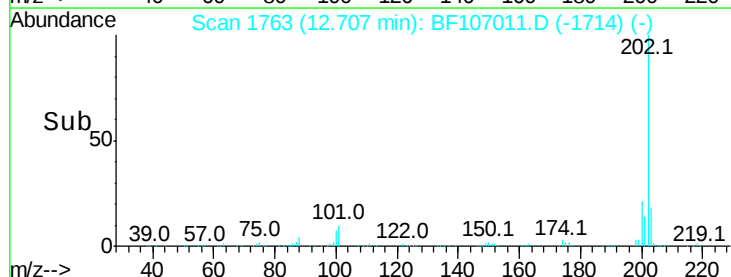
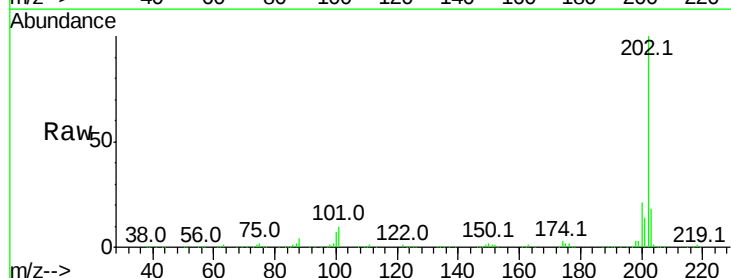
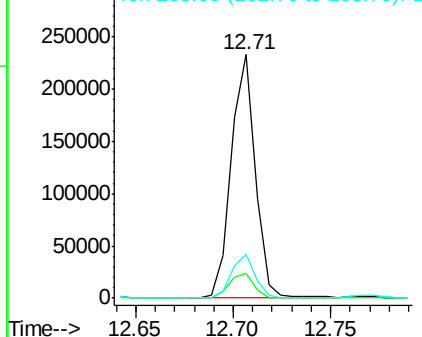
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

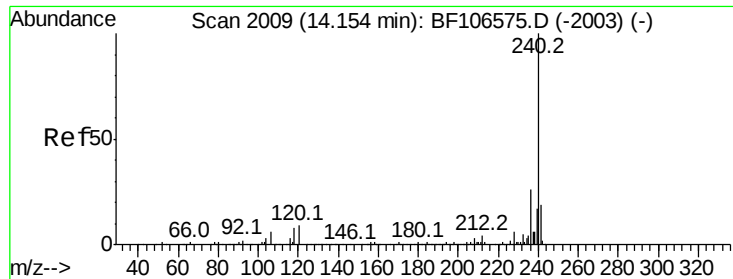


#74
 Fluoranthene
 Concen: 21.930 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	34.1
203	18.2	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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

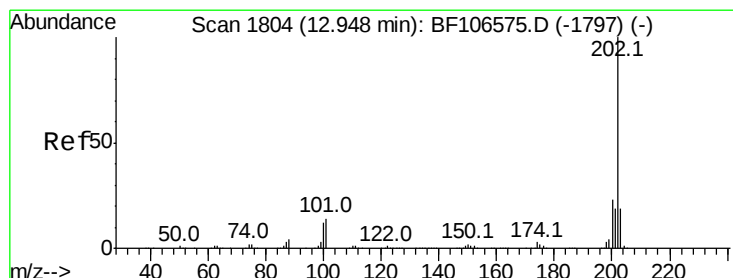
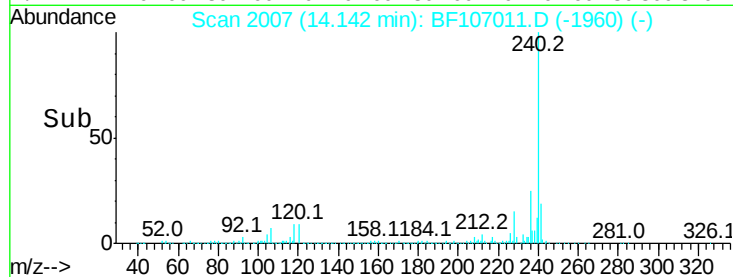
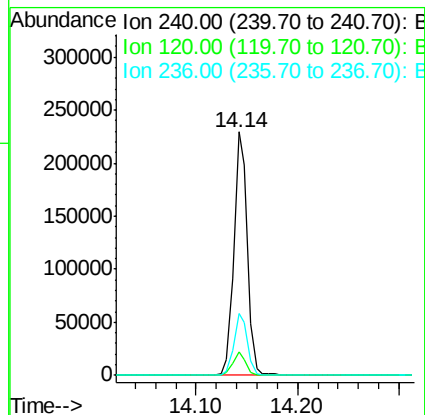
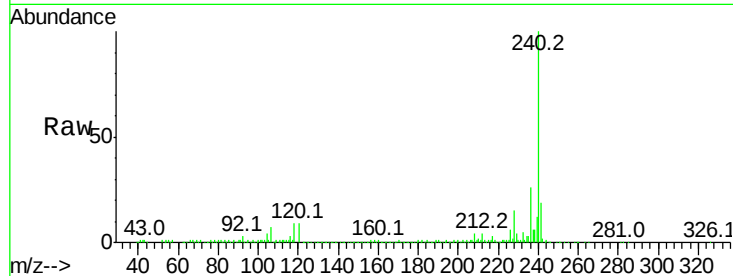
ClientSampleId :

EO-03-062818-C

Tot Ion	Ratio	Resp	Lower	Upper
240	100	212783		
120	9.5	9.5	14.3#	
236	25.7	20.7	31.1	

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#77

Pyrene

Concen: 13.710 ng

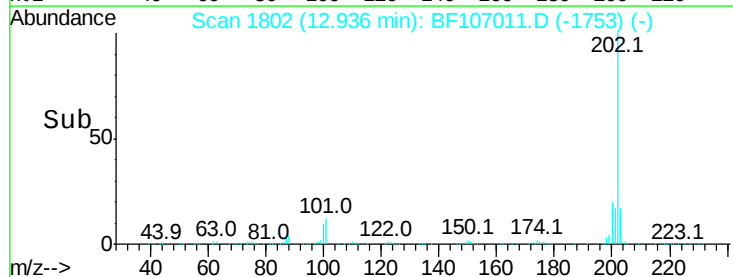
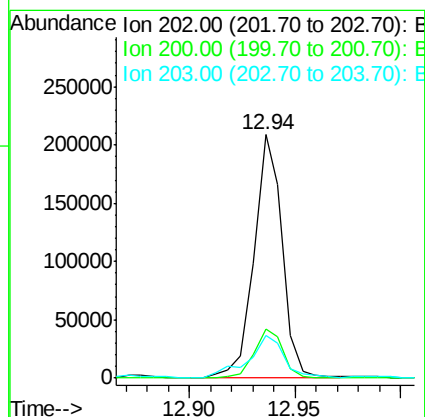
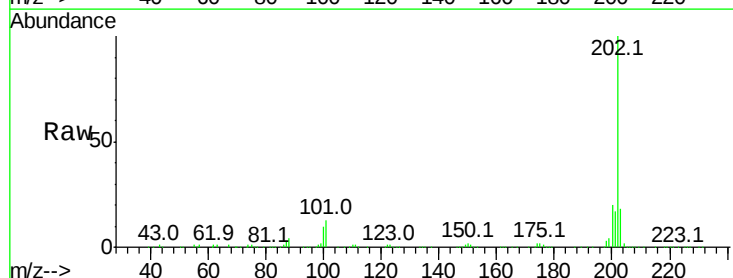
RT: 12.94 min Scan# 1802

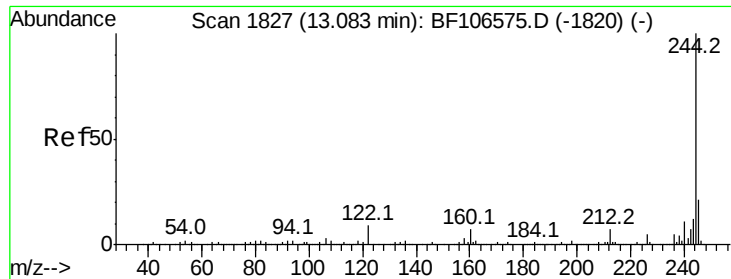
Delta R.T. -0.01 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	192379		
200	20.1	17.4	26.2	
203	17.5	14.3	21.5	





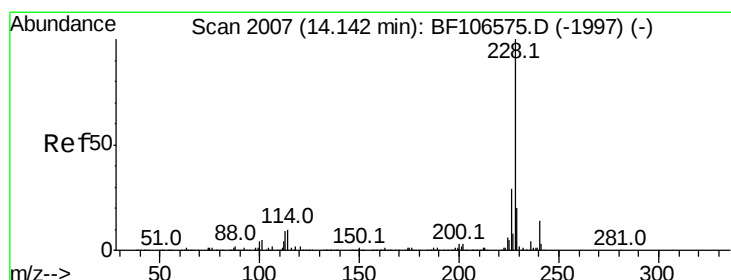
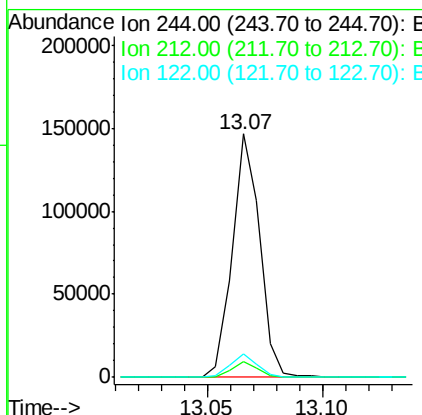
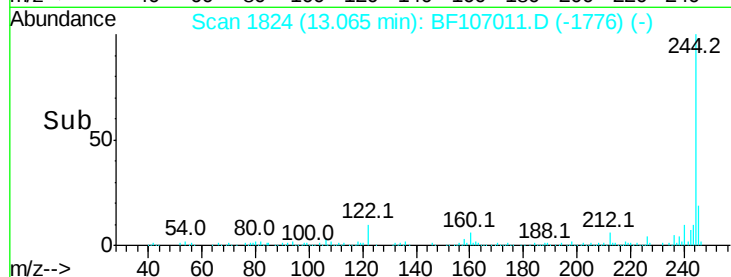
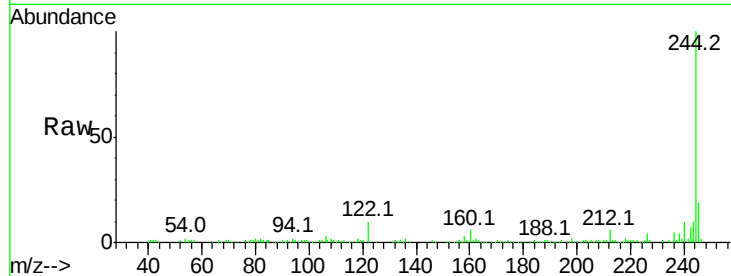
#78
 Terphenyl-d14
 Concen: 13.781 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.6	11.0	16.4

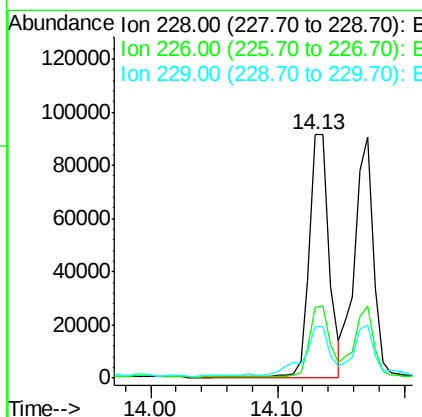
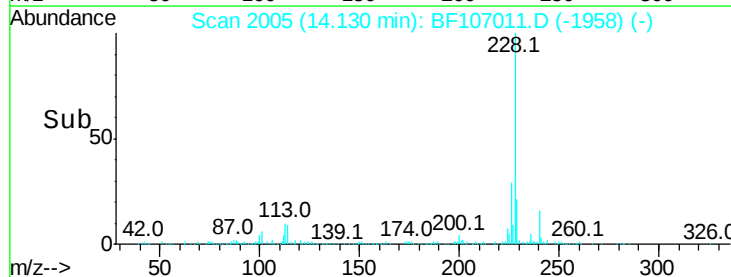
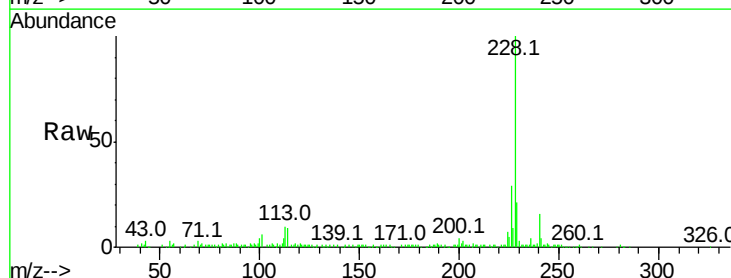
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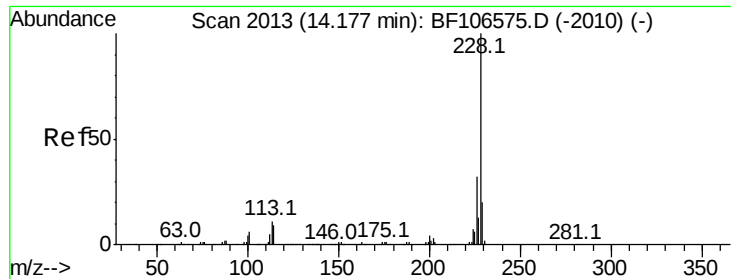
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#80
 Benzo(a)anthracene
 Concen: 7.752 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.5	15.8	23.6





#82

Chrysene

Concen: 7.762 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

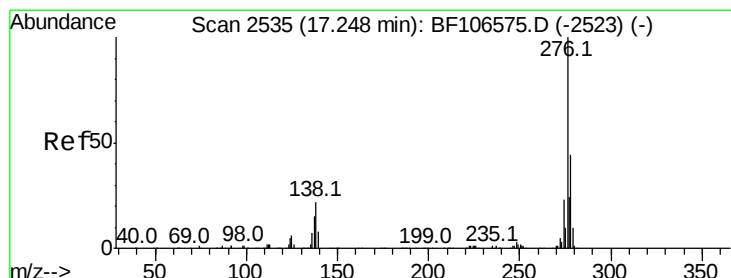
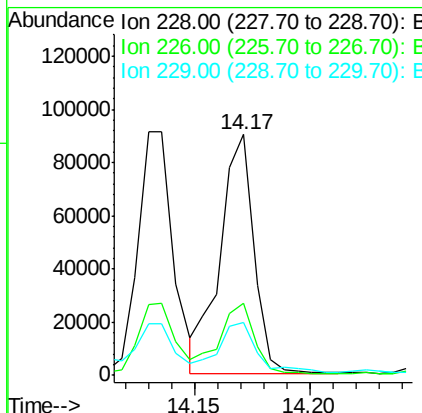
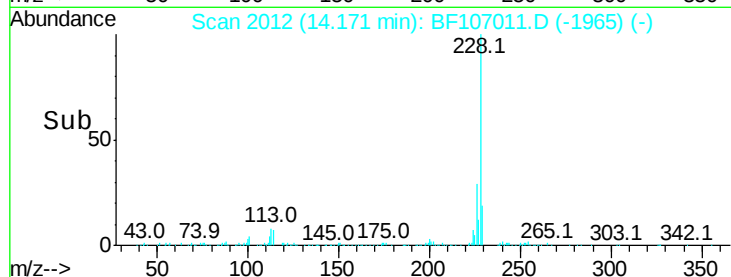
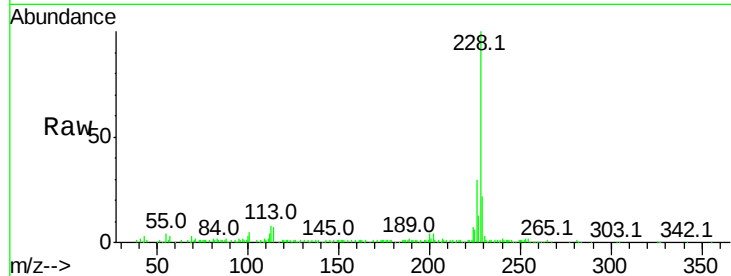
ClientSampleId :

EO-03-062818-C

Tot Ion:	228	Resp:	92605
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	22.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.527 ng

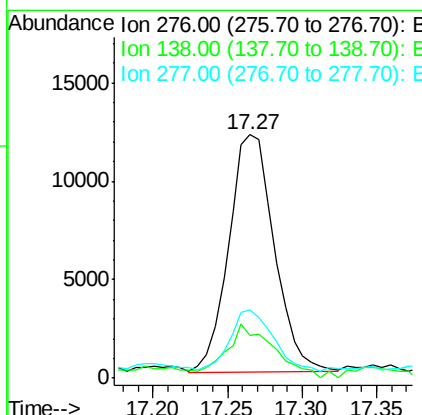
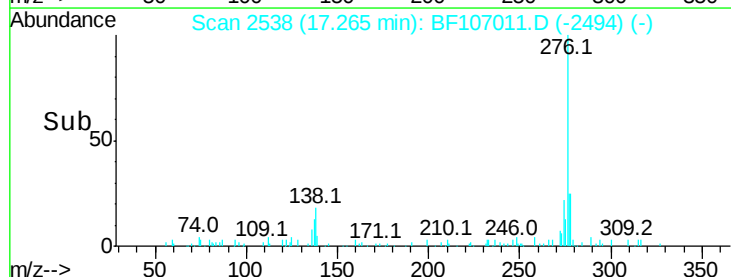
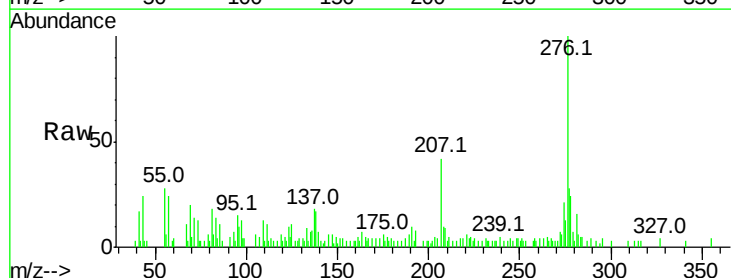
RT: 17.27 min Scan# 2538

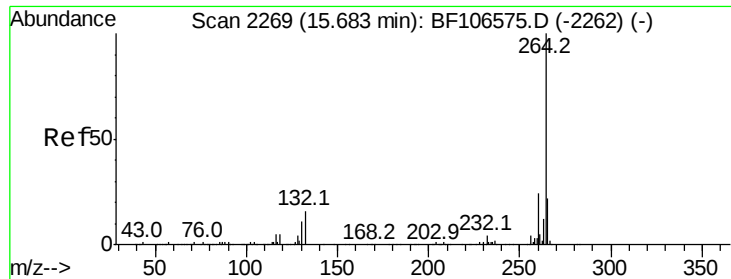
Delta R.T. -0.04 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Tgt Ion:	276	Resp:	25587
Ion Ratio	Lower	Upper	
276	100		
138	23.8	25.0	37.6#
277	25.6	20.1	30.1





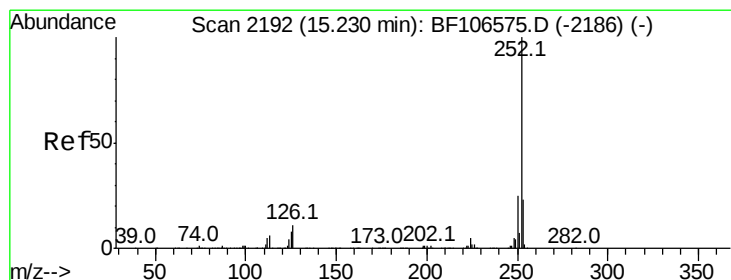
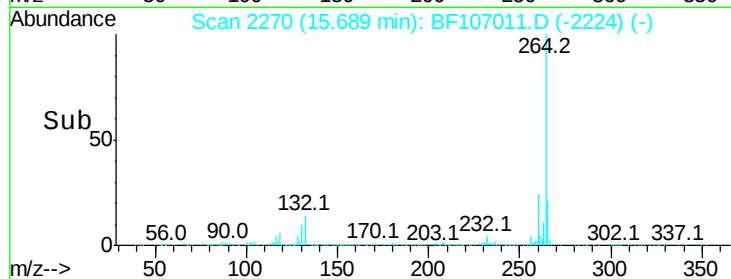
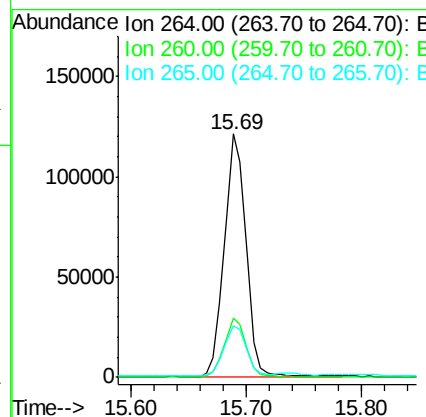
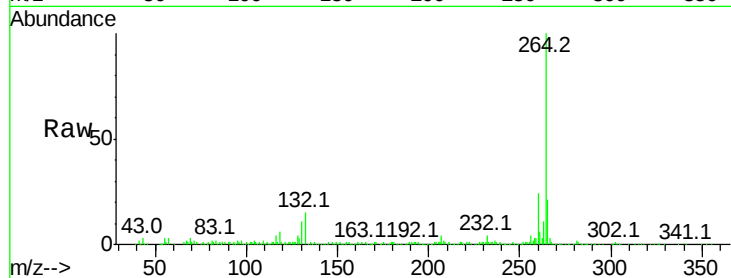
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

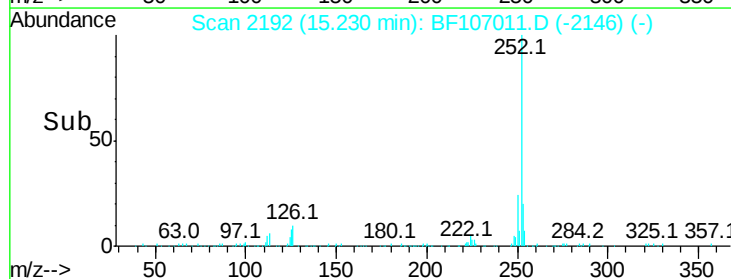
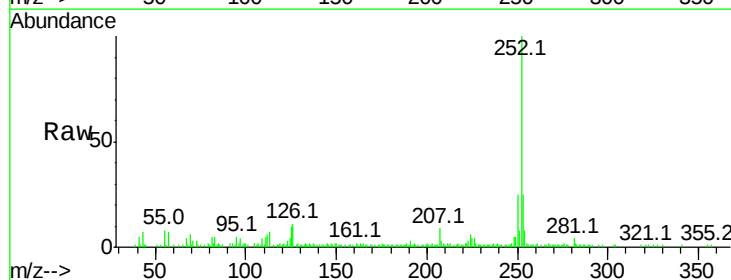
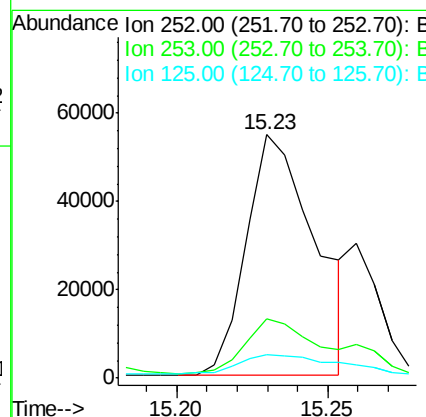
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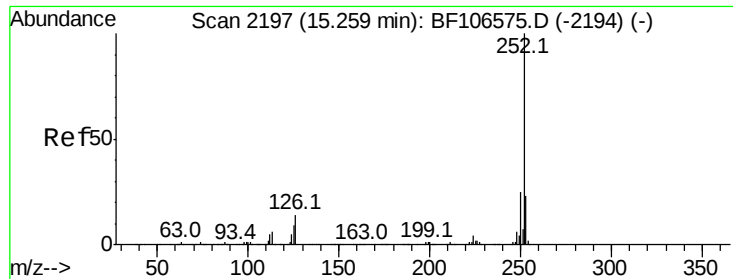
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#87
Benzo(b)fluoranthene
Concen: 8.853 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	9.6	9.0	13.6





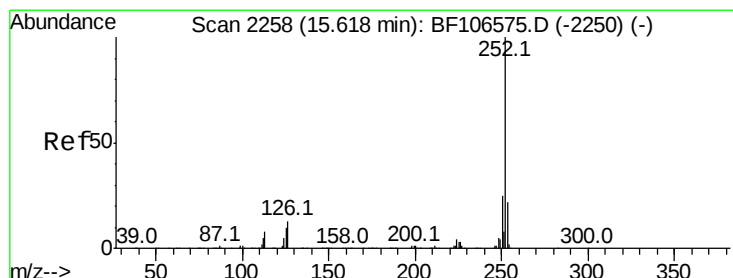
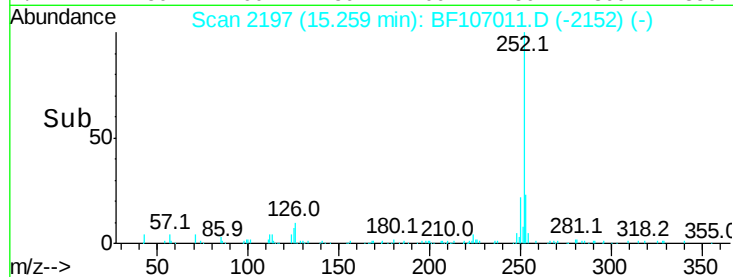
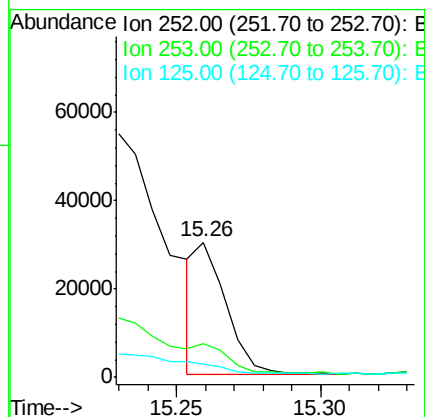
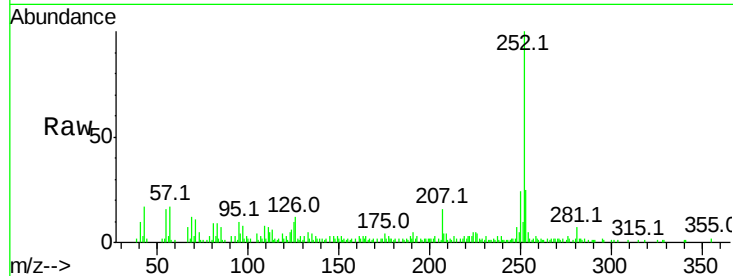
#88
Benzo(k)fluoranthene
Concen: 2.392 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	10.0	10.2	15.2#

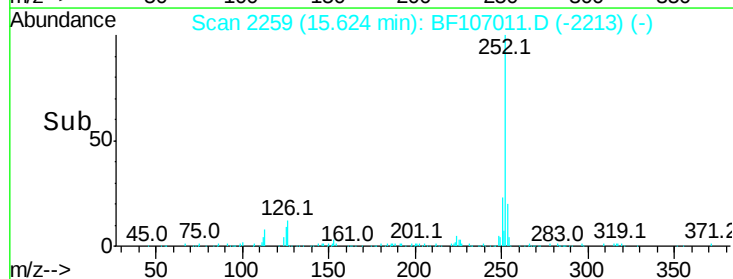
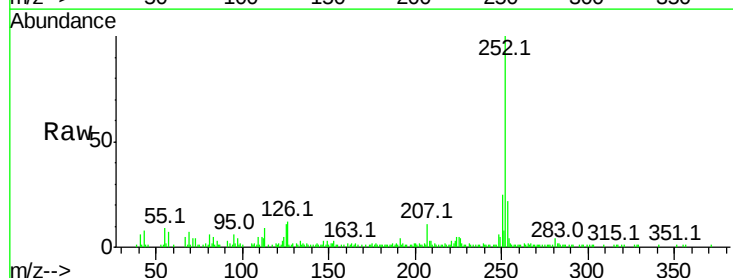
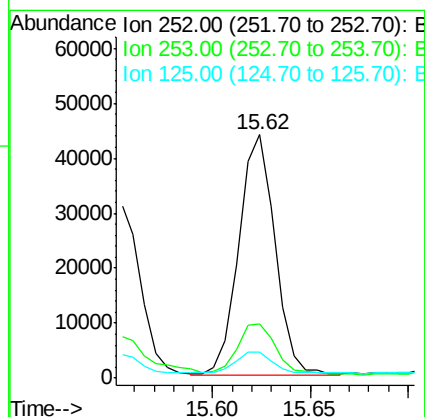
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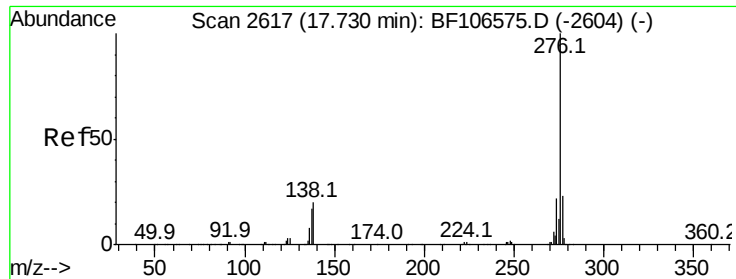
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#89
Benzo(a)pyrene
Concen: 6.527 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.671 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.04 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	20.4	21.8	32.8

Manual Integrations
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