

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
 Data File : BF107177.D
 Acq On : 6 Jul 2018 17:14
 Operator : JU/SJ
 Sample : J3864-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-108-6A(3-8)

Manual Integrations
 APPROVED

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 7/9/2018 1:58:19 PM

Quant Time: Jul 09 04:00:44 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	6.94	152	64063	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	245760	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	119802	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	203027	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	166367	20.00	ng	-0.03
86) Perylene-d12	15.68	264	154553	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	367939	97.25	ng	-0.01
7) Phenol-d6	6.59	99	477396	101.05	ng	-0.02
23) Nitrobenzene-d5	7.51	82	307299	69.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	134050	96.54	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	491814	66.23	ng	-0.02
78) Terphenyl-d14	13.07	244	424639	61.83	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	12408	2.301	ng	Qvalue # 74
31) Naphthalene	8.25	128	25337	2.205	ng	100
49) Dimethylphthalate	9.70	163	138811	15.449	ng	99
51) Acenaphthene	10.02	154	25772	3.449	ng	95
57) Fluorene	10.54	166	17565	2.164	ng	99
70) Phenanthrene	11.51	178	248615	25.389	ng	98
71) Anthracene	11.55	178	85537	8.558	ng	99
72) Carbazole	11.71	167	39080	4.176	ng	98
74) Fluoranthene	12.70	202	362635	33.598	ng	97
77) Pyrene	12.94	202	359393	32.759	ng	99
80) Benzo(a)anthracene	14.12	228	357741	35.282	ng	99
82) Chrysene	14.17	228	298310	31.979	ng	97
84) Di-n-octyl phthalate	14.74	149	34217	3.640	ng	# 53
85) Indeno(1,2,3-cd)pyrene	17.26	276	217520	27.477	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	541139m	56.364	ng	
88) Benzo(k)fluoranthene	15.25	252	141033m	15.426	ng	
89) Benzo(a)pyrene	15.61	252	417037m	48.863	ng	
90) Dibenzo(a,h)anthracene	17.26	278	62839	8.688	ng	# 73
91) Benzo(a,h,i)perylene	17.74	276	189670	26.828	ng	# 91

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

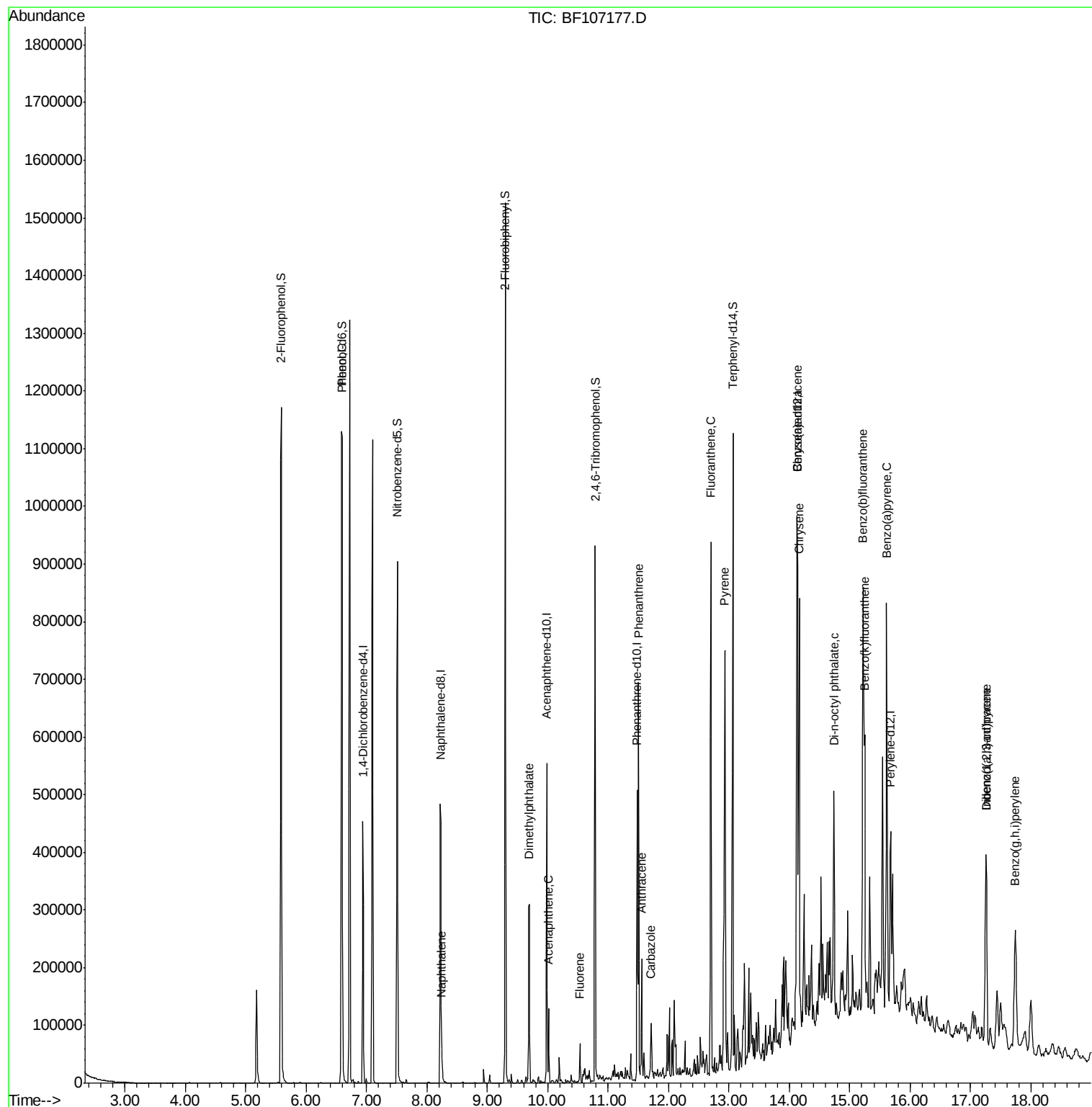
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#1

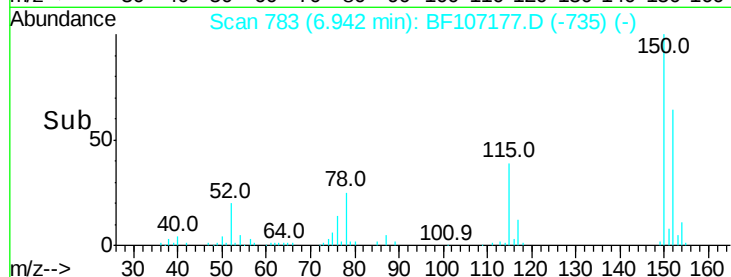
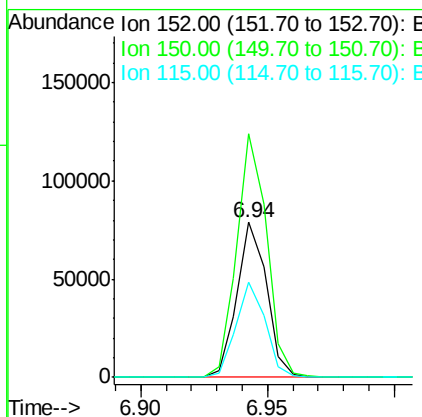
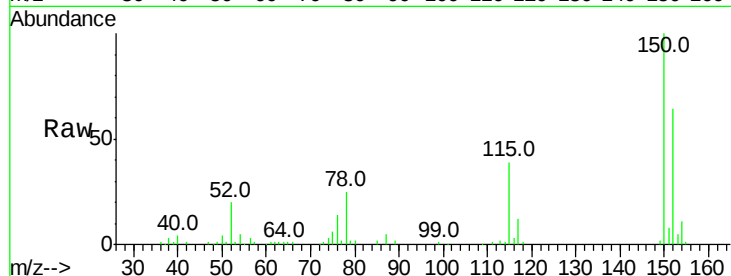
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	61.1	50.1	75.1

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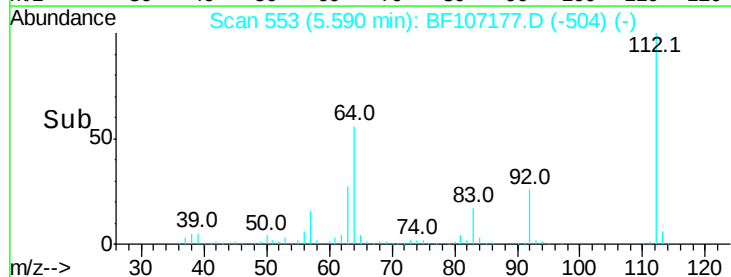
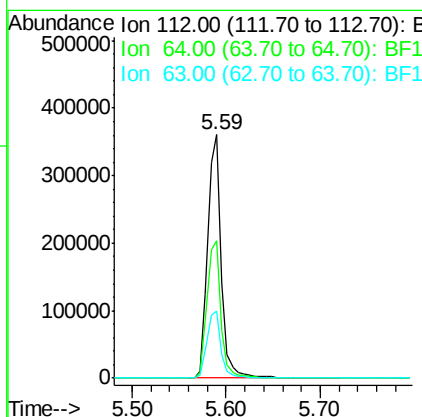
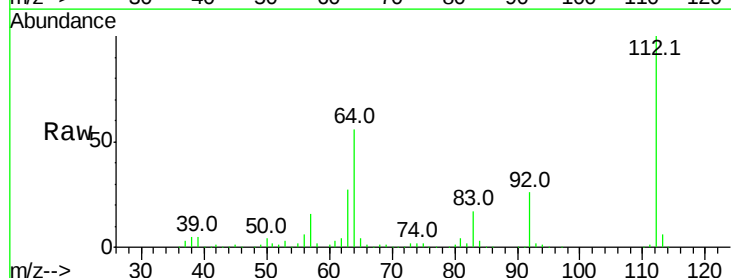
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#5

2-Fluorophenol
Concen: 97.254 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 101.045 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

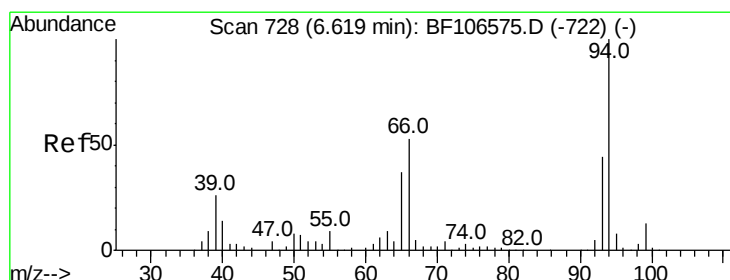
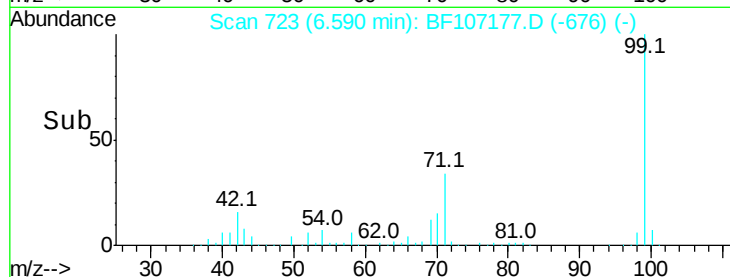
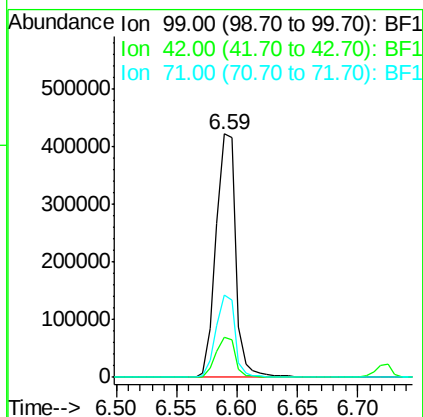
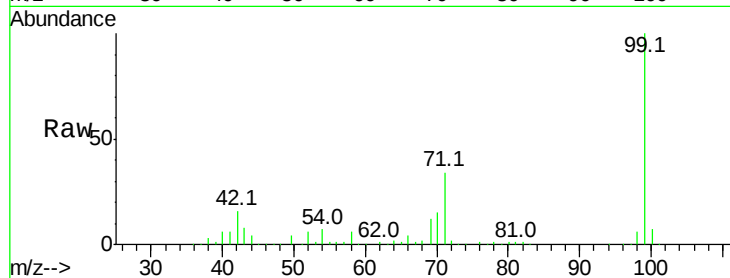
ClientSampleId :

EPE-108-6A(3-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		477396		
42	16.3	14.5	21.7		
71	33.7	25.4	38.0		

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#10

Phenol

Concen: 2.301 ng

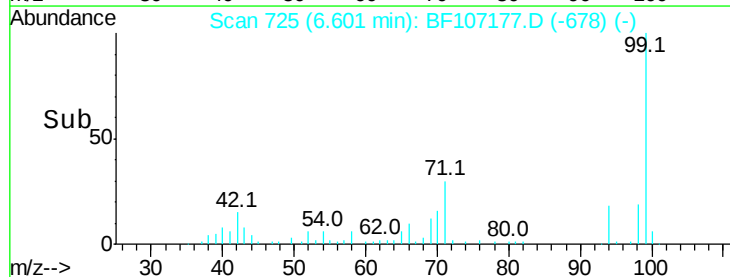
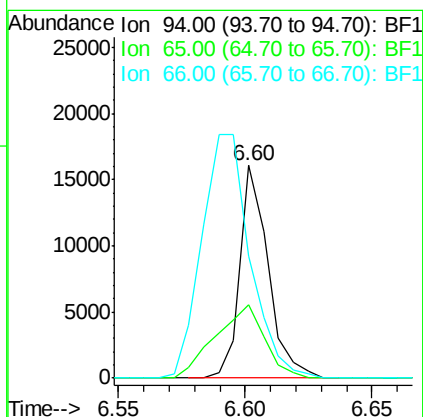
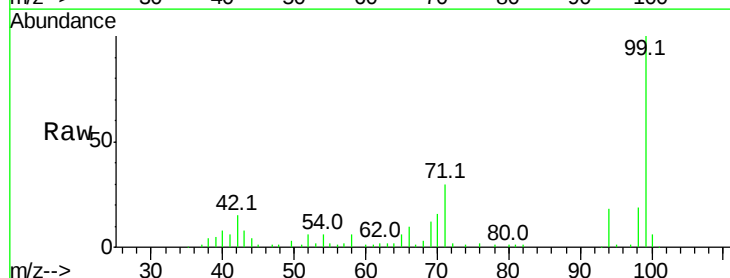
RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		12408		
65	34.6	7.9	47.9		
66	57.2	16.2	56.2		





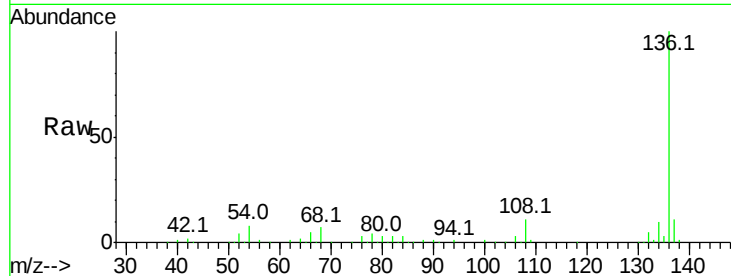
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
EPE-108-6A(3-8)

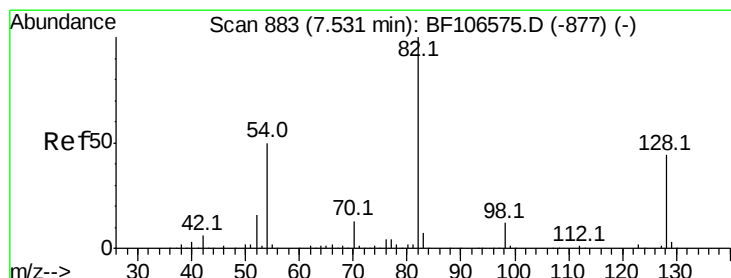
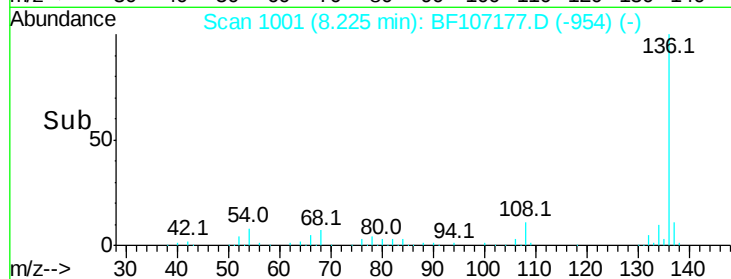
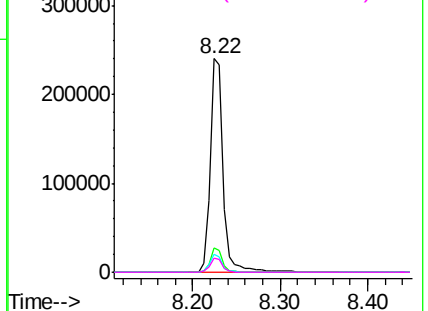
Tot Ion	Ratio	Resp	Lower	Upper
136	100	245760		
137	11.4		8.9	13.3
54	8.3		6.6	9.8
68	6.9		5.0	7.4

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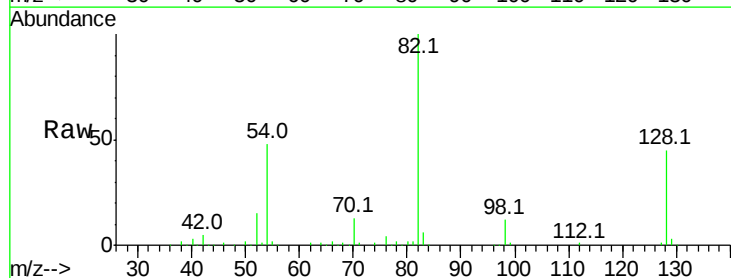


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

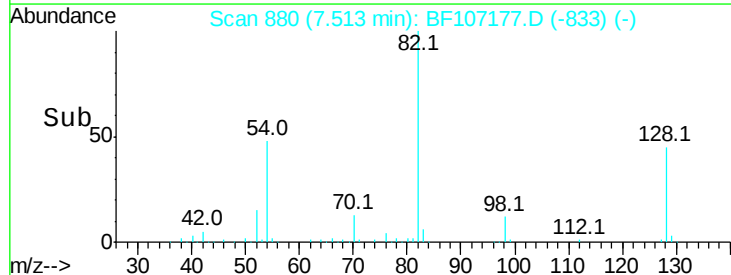
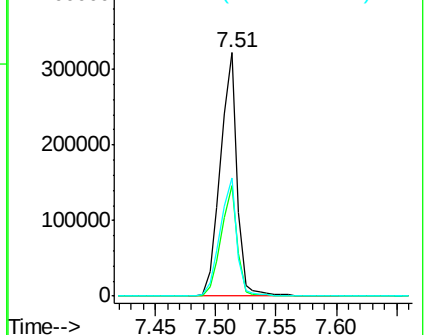


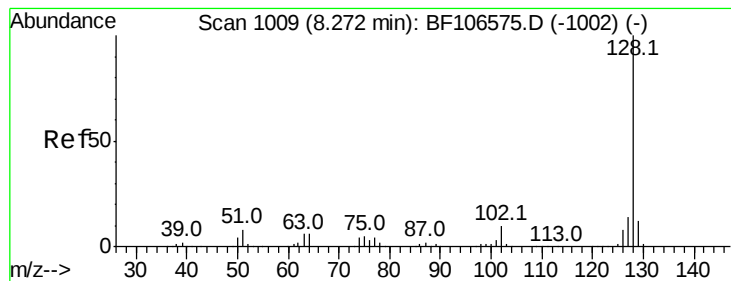
#23
Nitrobenzene-d5
Concen: 69.489 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	307299		
128	45.2		36.1	54.1
54	48.4		41.4	62.2



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





#31

Naphthalene

Concen: 2.205 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

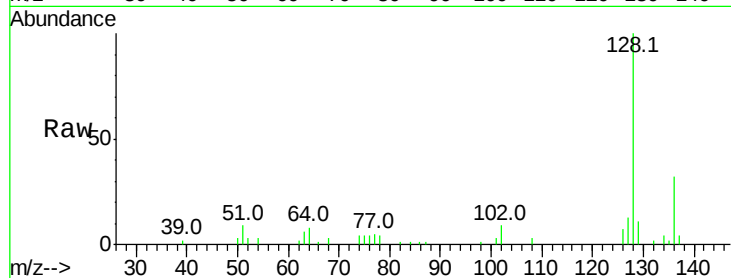
ClientSampleId :

EPE-108-6A(3-8)

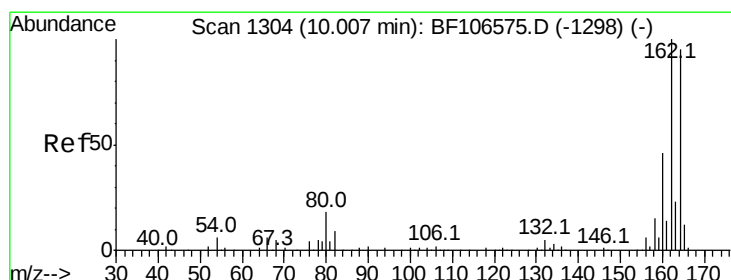
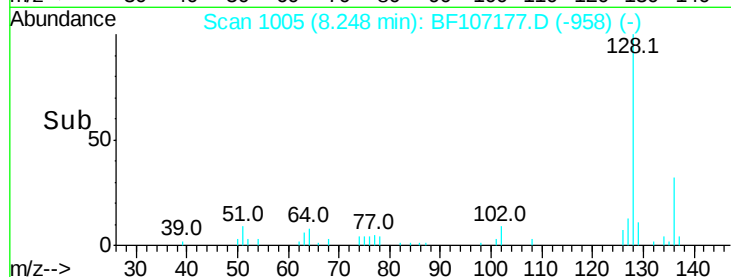
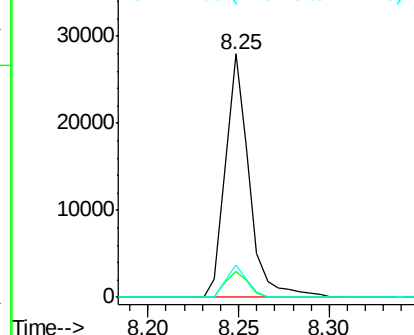
Tot Ion:	128	Resp:	25337
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.8	13.2
127	13.4	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

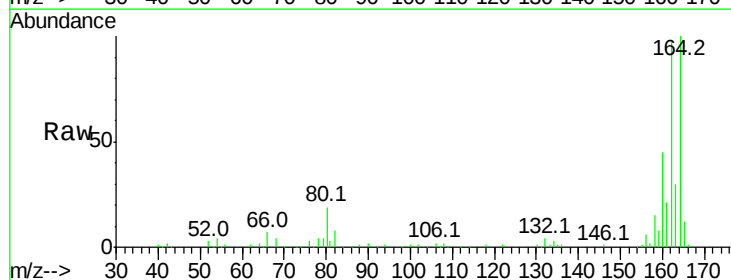
RT: 9.99 min Scan# 1301

Delta R.T. -0.02 min

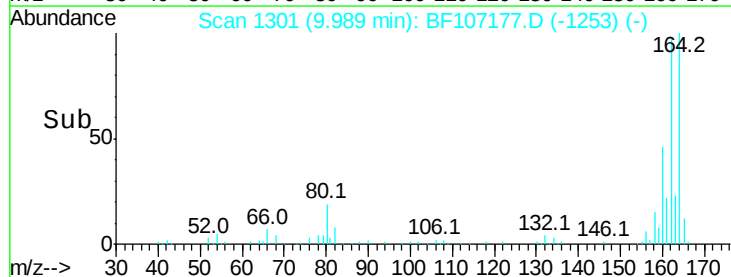
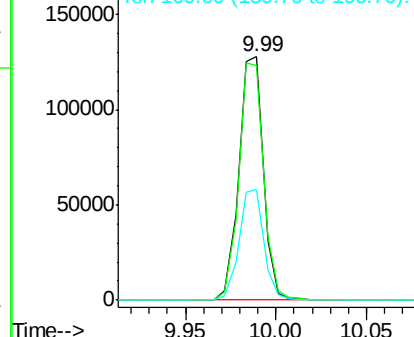
Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Tgt Ion:	164	Resp:	119802
Ion Ratio	Lower	Upper	
164	100		
162	96.5	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





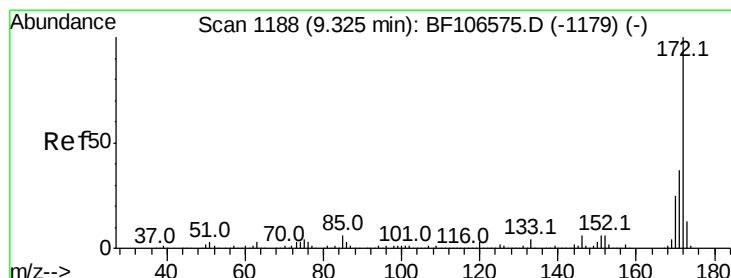
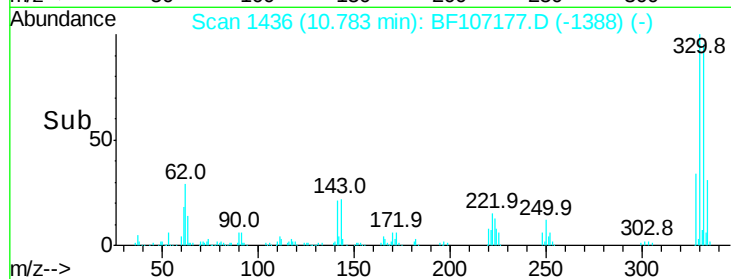
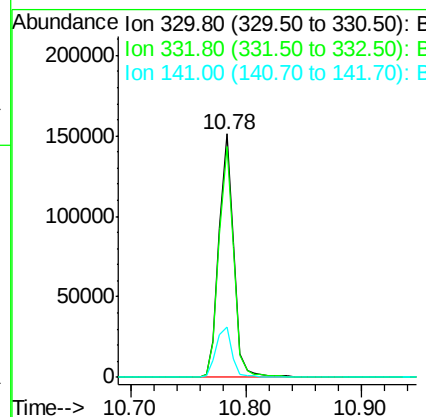
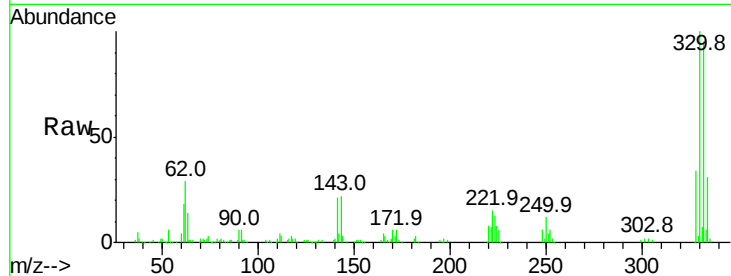
#41
 2,4,6-Tribromophenol
 Concen: 96.540 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Instrument :
 BNA_F
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 EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	22.6	29.9	44.9#

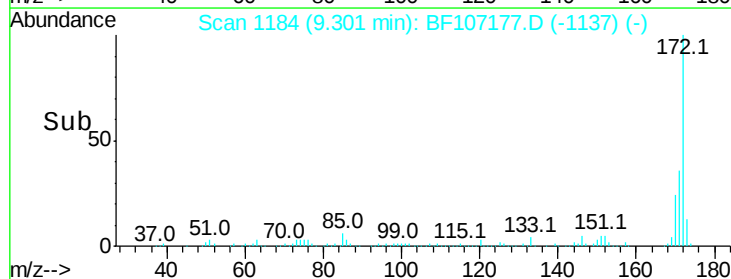
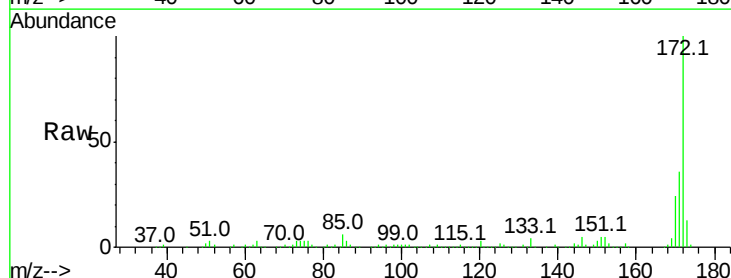
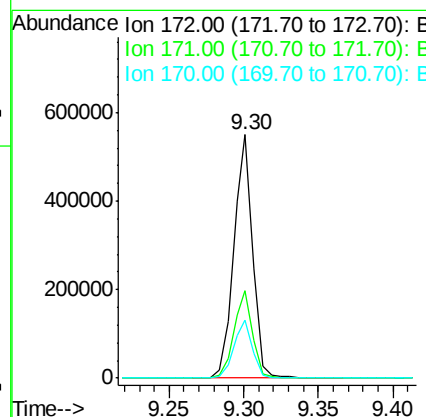
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#44
 2-Fluorobiphenyl
 Concen: 66.228 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4





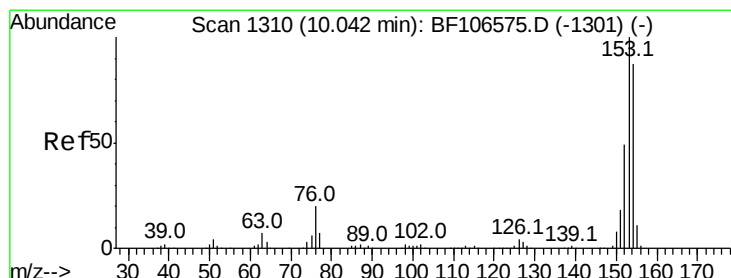
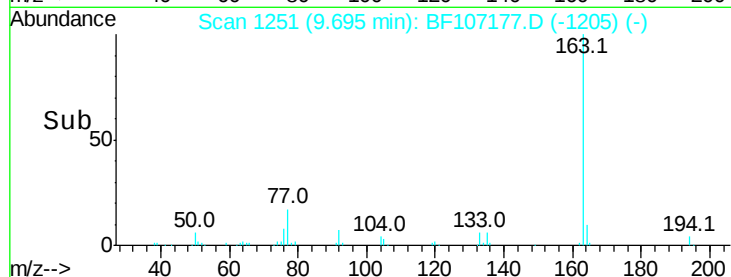
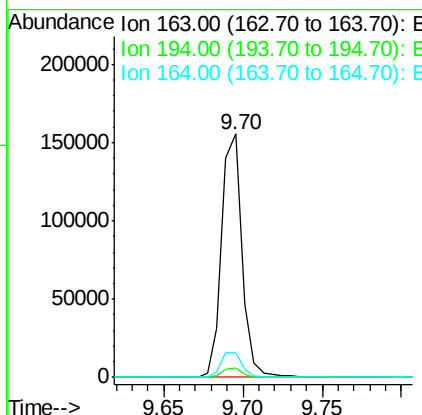
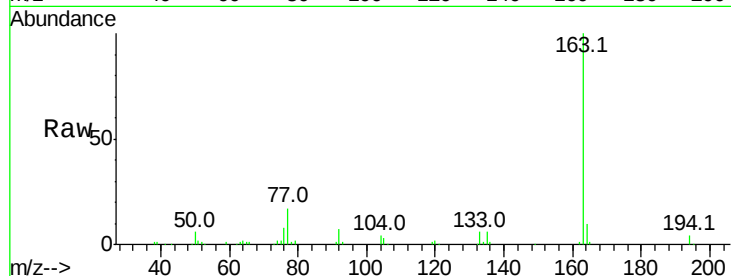
#49
Dimethylphthalate
Concen: 15.449 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1	
164	10.3	8.2	12.2	

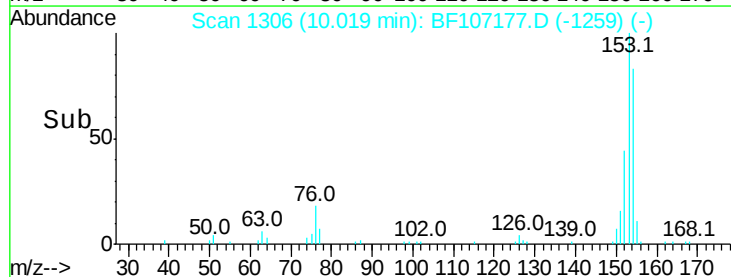
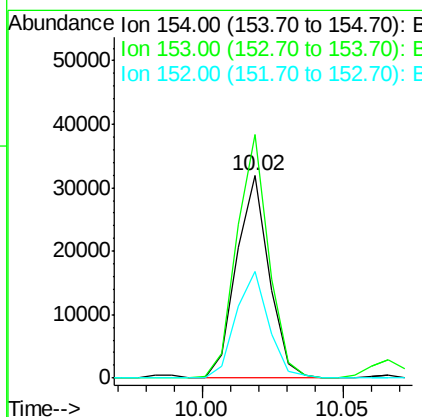
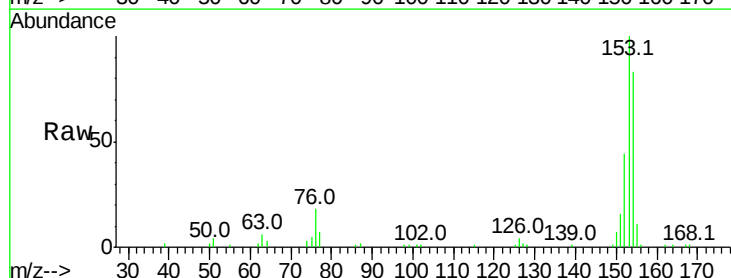
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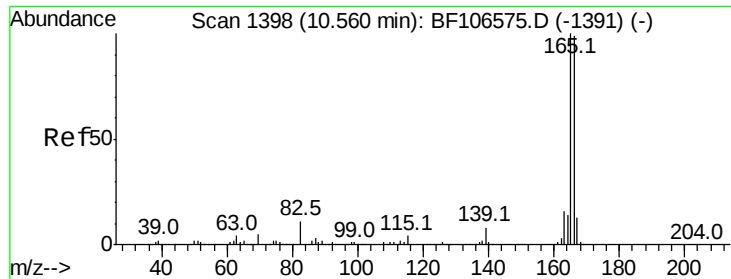
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#51
Acenaphthene
Concen: 3.449 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	120.3	91.2	136.8	
152	52.5	43.8	65.8	





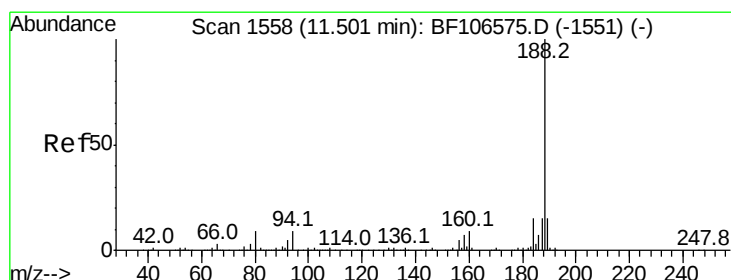
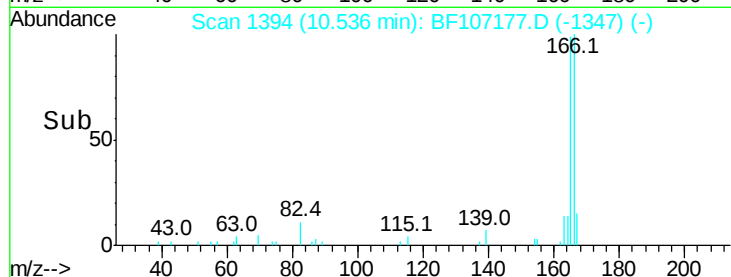
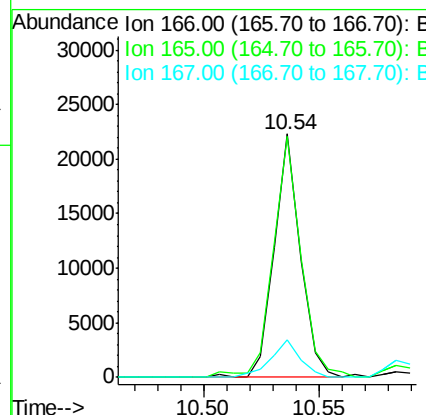
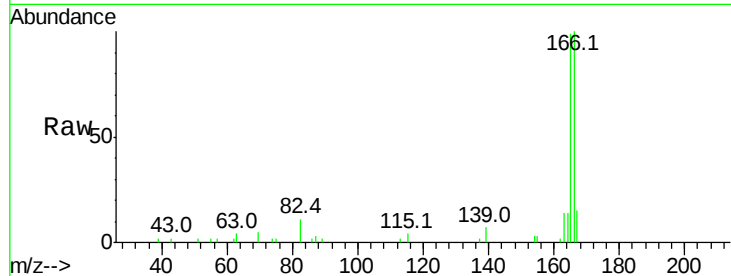
#57
Fluorene
 Concen: 2.164 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.8	119.8
167	15.3	10.6	16.0

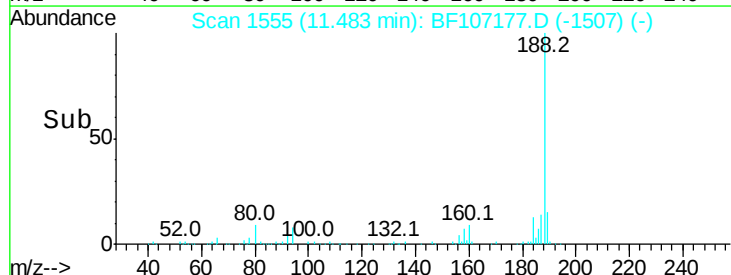
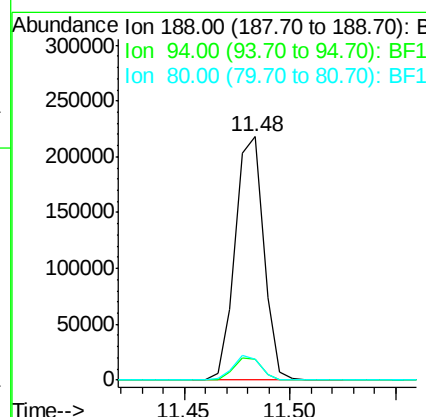
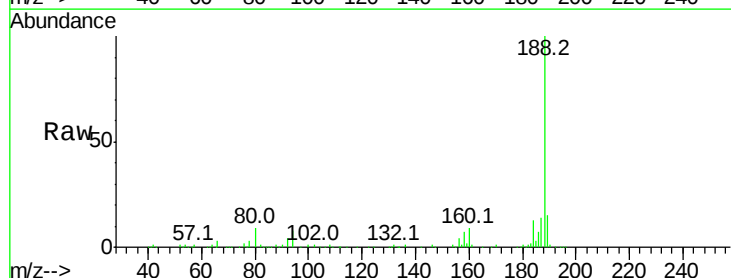
Manual Integrations
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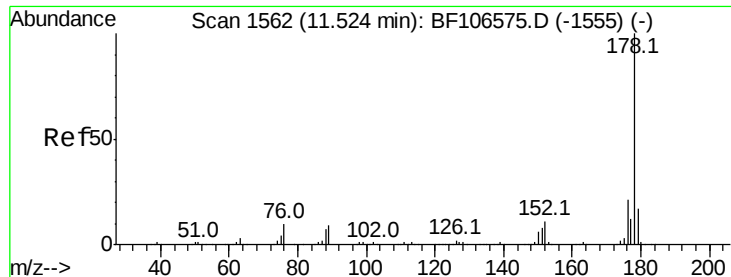
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.5	9.2	13.8#





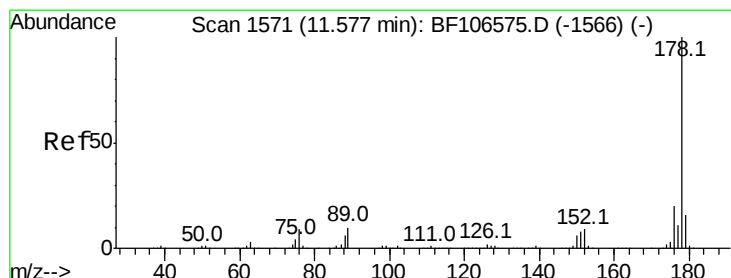
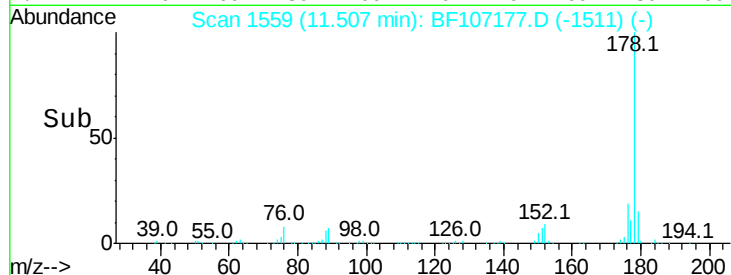
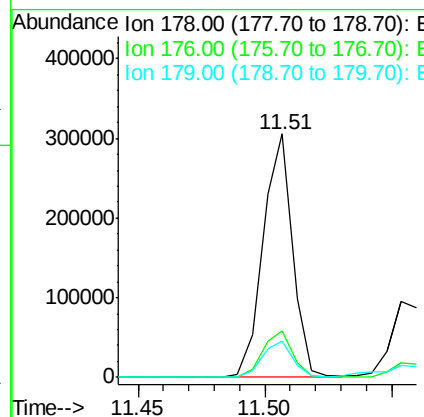
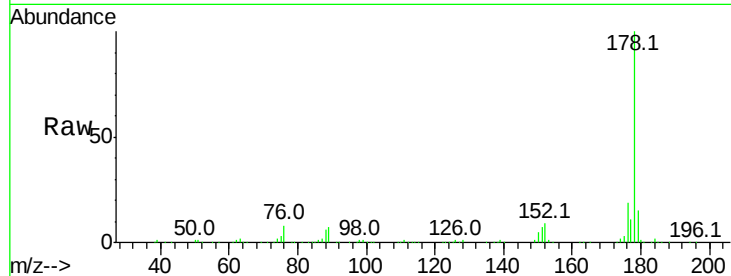
#70
Phenanthrene
Concen: 25.389 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
EPE-108-6A(3-8)

Tot Ion	Ratio	Resp	Lower	Upper
178	100	248615		
176	19.2	15.8	23.8	
179	15.1	13.0	19.6	

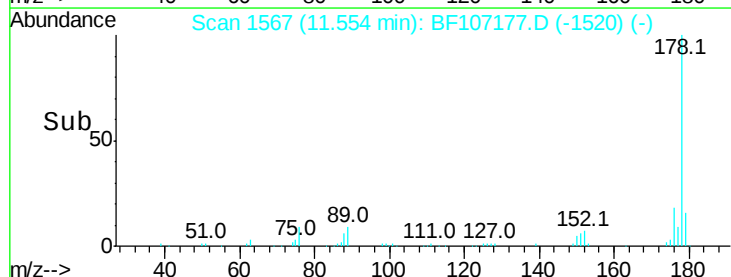
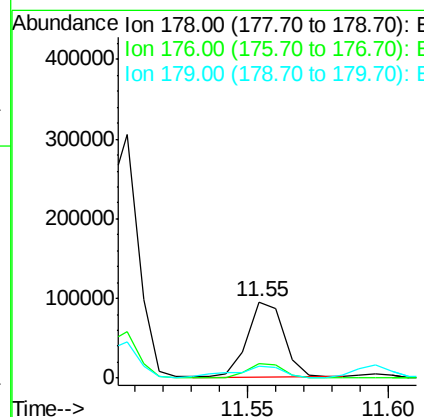
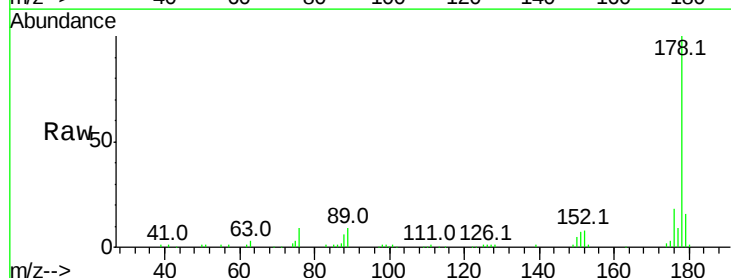
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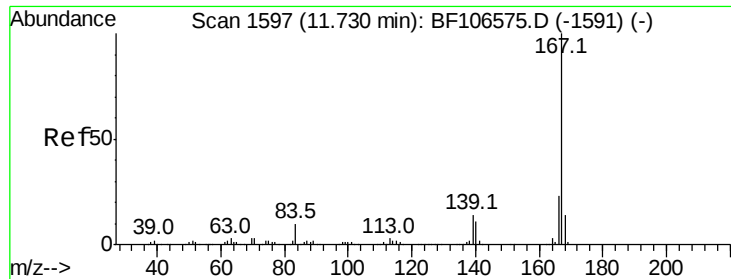
Sohil
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#71
Anthracene
Concen: 8.558 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	85537		
176	18.4	15.4	23.2	
179	15.7	12.6	19.0	





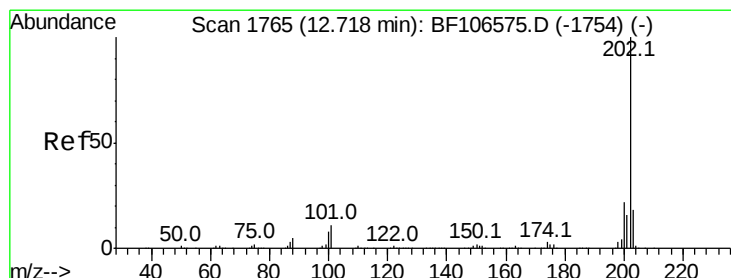
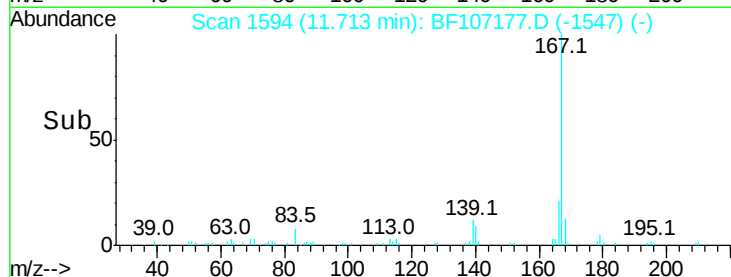
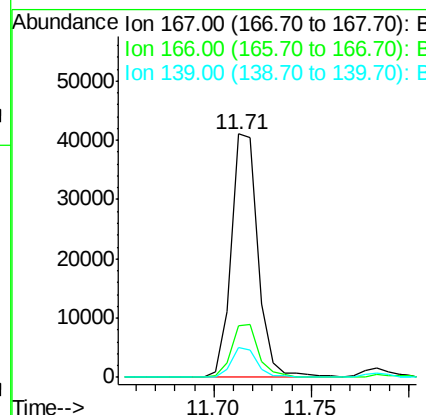
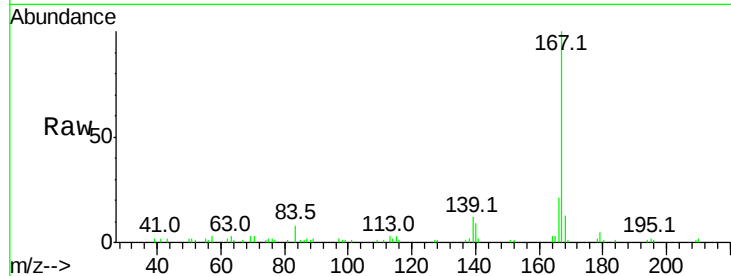
#72
 Carbazole
 Concen: 4.176 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.5	10.9	16.3

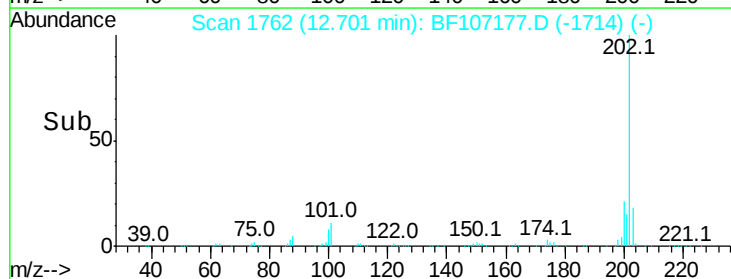
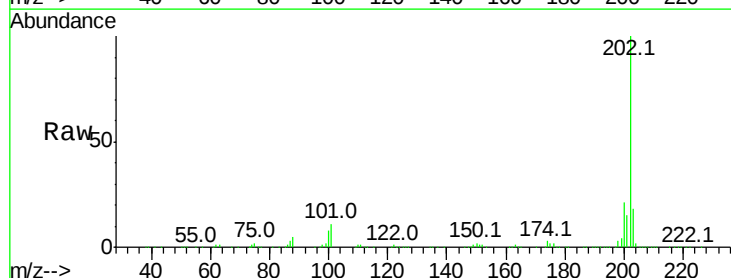
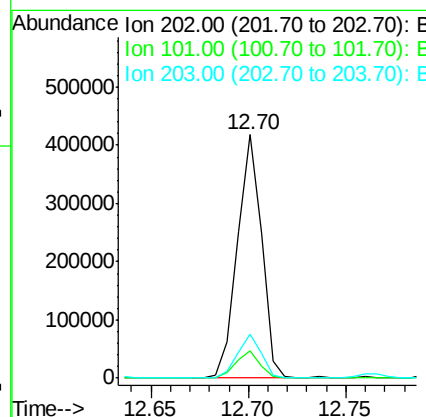
Manual Integrations
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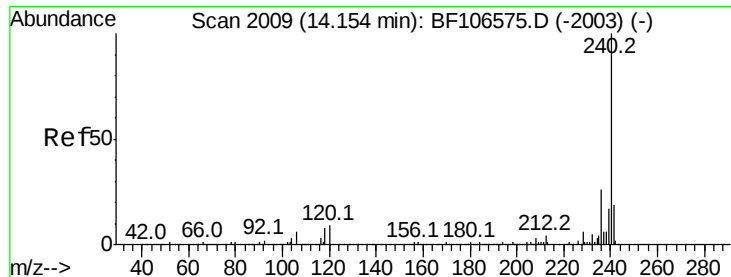
Sohil
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#74
 Fluoranthene
 Concen: 33.598 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

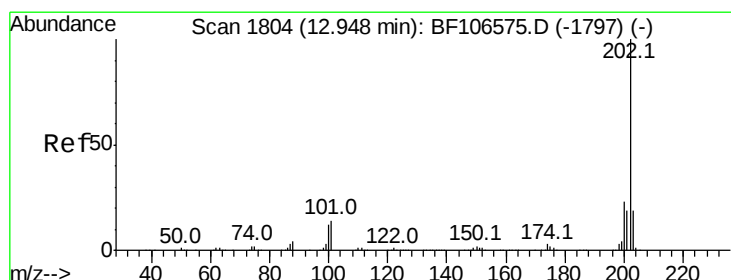
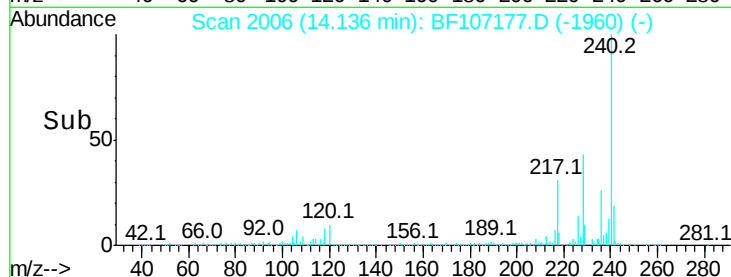
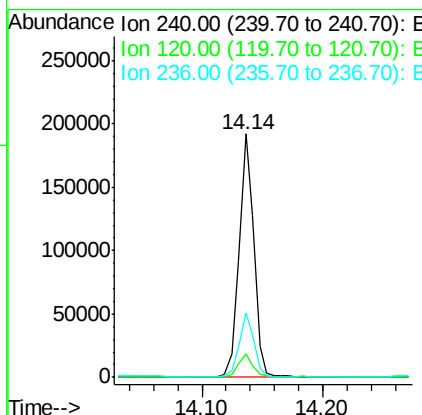
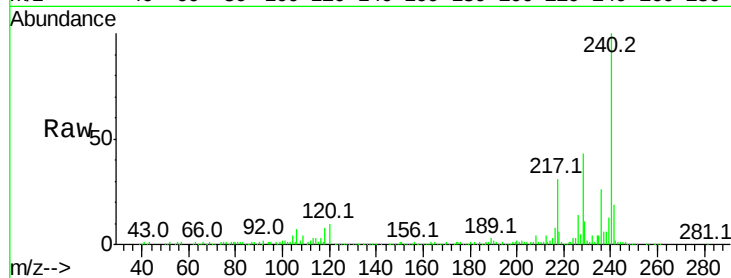
ClientSampleId :

EPE-108-6A(3-8)

Tot Ion:	240	Resp:	166367
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 32.759 ng

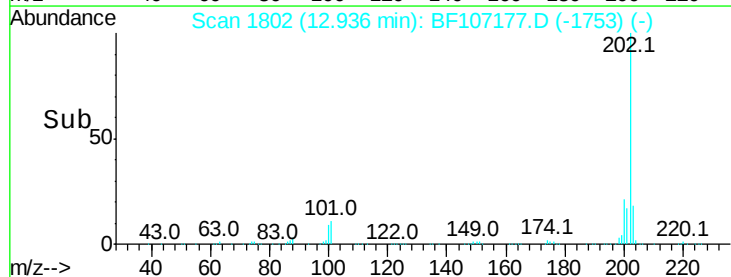
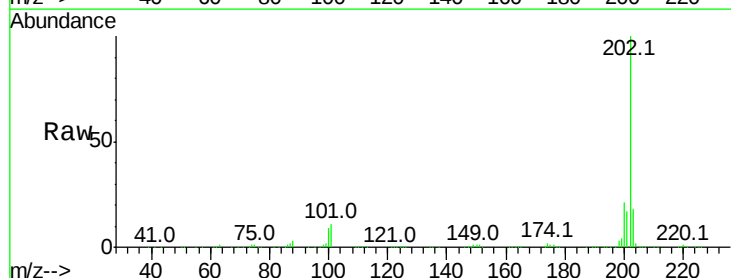
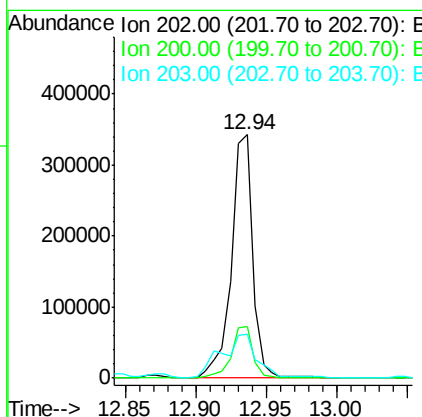
RT: 12.94 min Scan# 1802

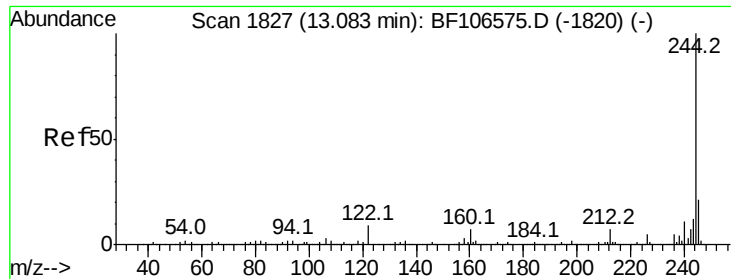
Delta R.T. -0.01 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Tgt Ion:	202	Resp:	359393
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 61.827 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

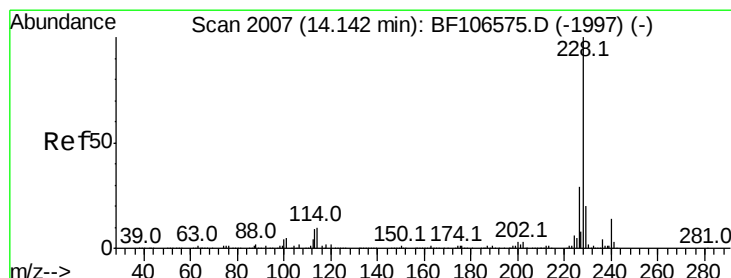
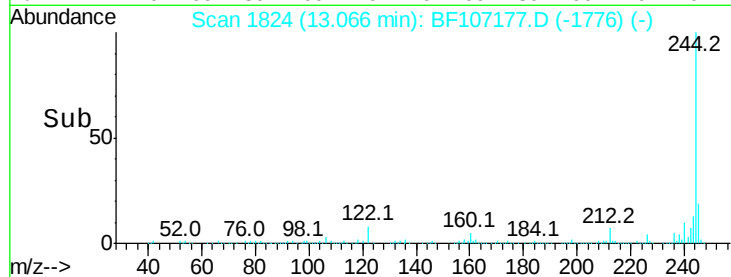
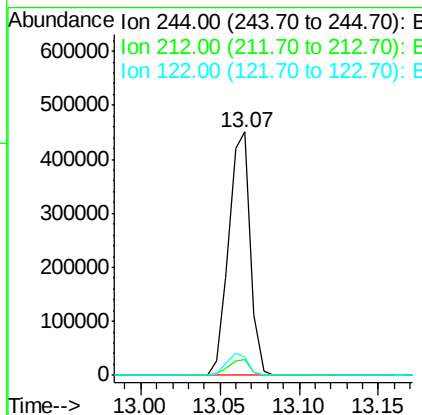
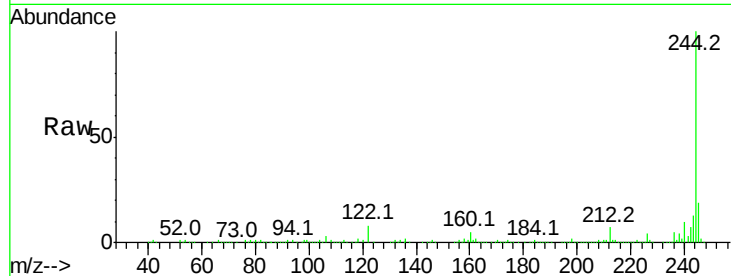
ClientSampleId :

EPE-108-6A(3-8)

Tot Ion:	244	Resp:	424639
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	7.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 35.282 ng

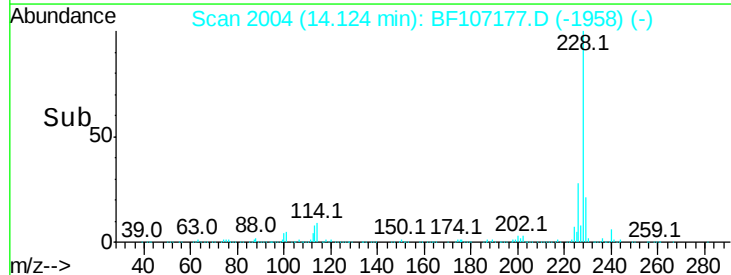
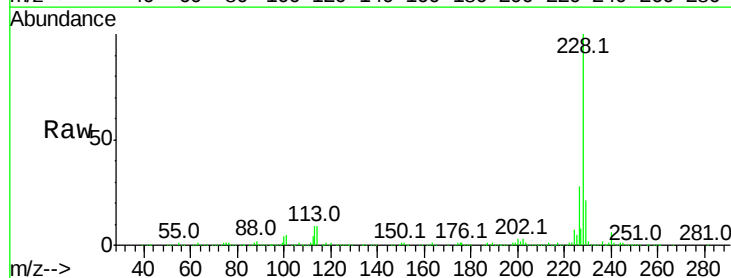
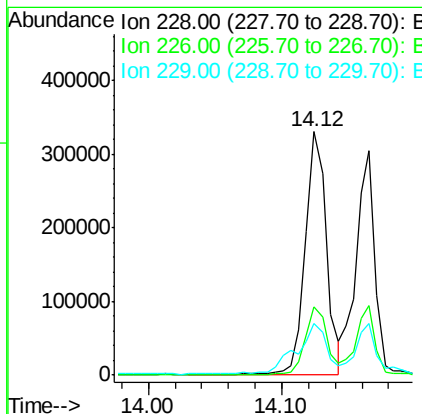
RT: 14.12 min Scan# 2004

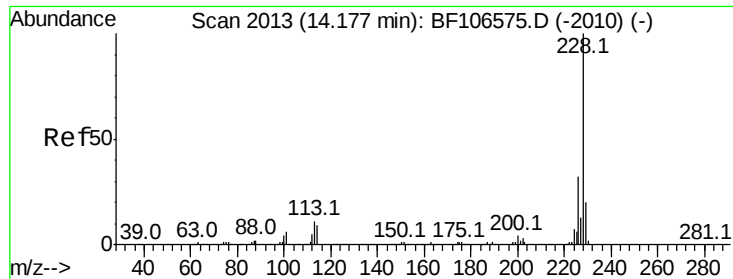
Delta R.T. -0.03 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Tgt Ion:	228	Resp:	357741
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	20.9	15.8	23.6





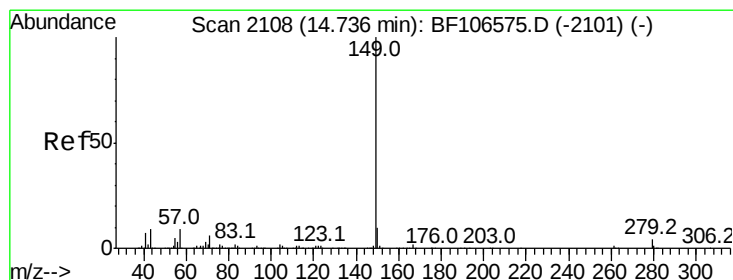
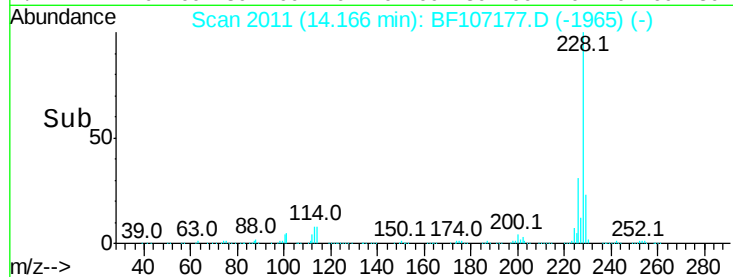
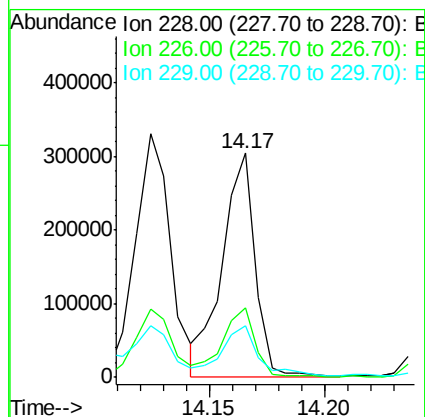
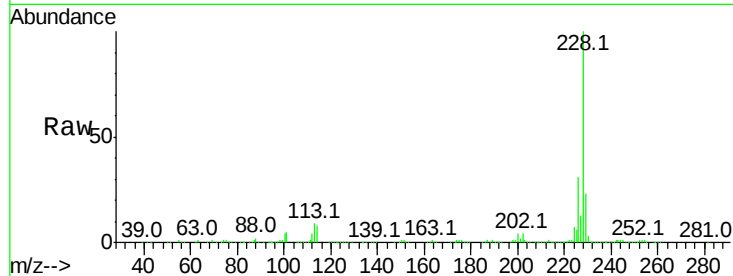
#82
 Chrysene
 Concen: 31.979 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. -0.03 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 EPE-108-6A(3-8)

Tot Ion:	228	Resp:	298310
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	23.2	16.2	24.4

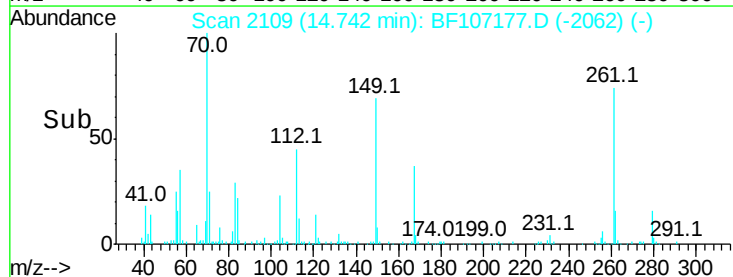
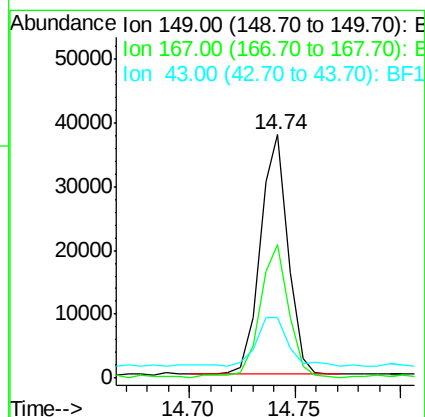
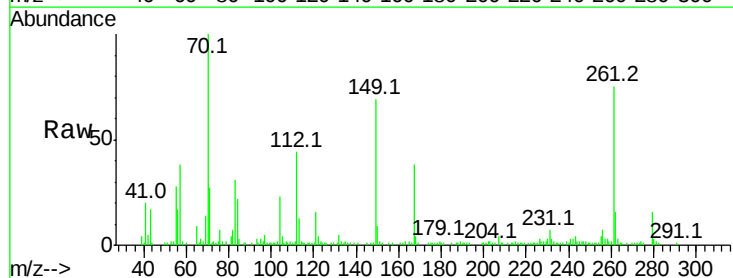
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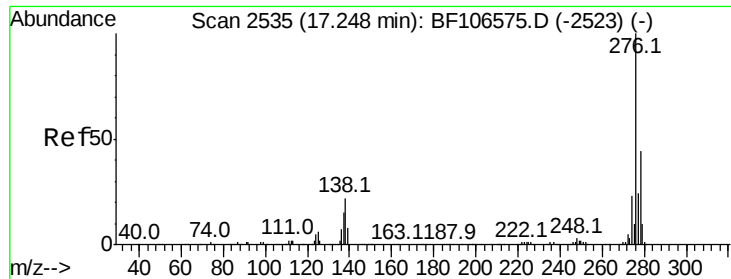
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#84
 Di-n-octyl phthalate
 Concen: 3.640 ng
 RT: 14.74 min Scan# 2109
 Delta R.T. -0.02 min
 Lab File: BF107177.D
 Acq: 6 Jul 2018 17:14

Tgt Ion:	149	Resp:	34217
Ion Ratio	Lower	Upper	
149	100		
167	58.7	1.2	1.8#
43	22.6	8.4	12.6#





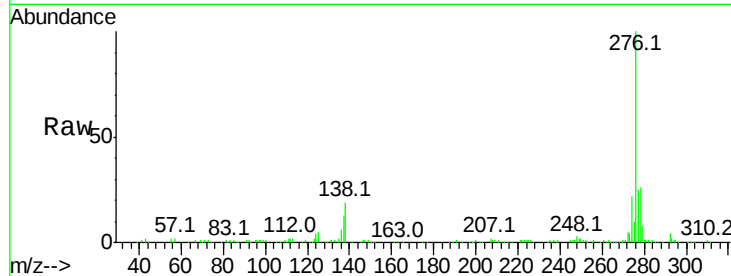
#85
Indeno(1,2,3-cd)pyrene
Concen: 27.477 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.05 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
EPE-108-6A(3-8)

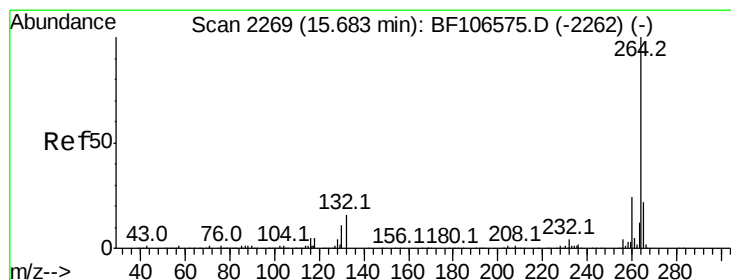
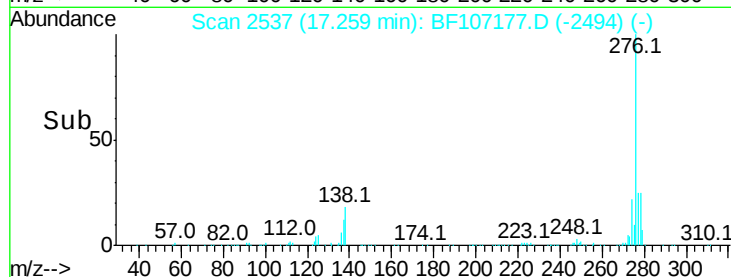
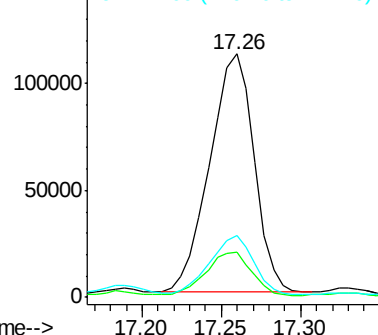
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	24.4	20.1	30.1

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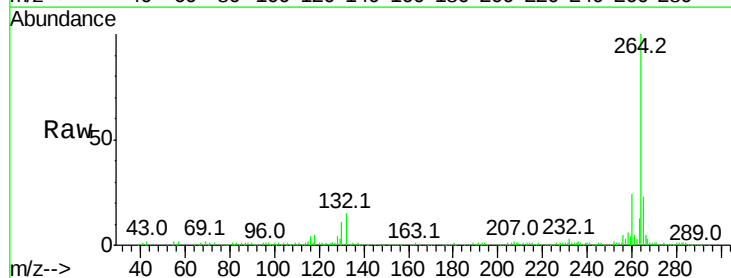


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

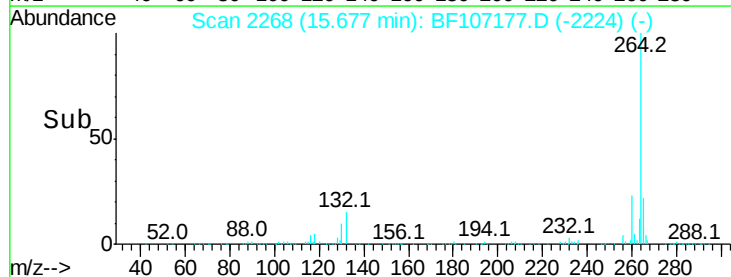
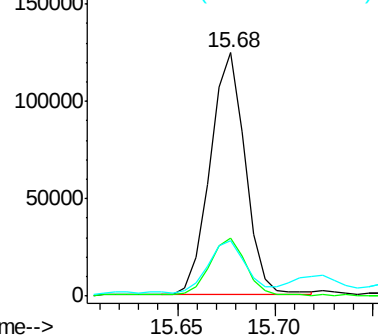


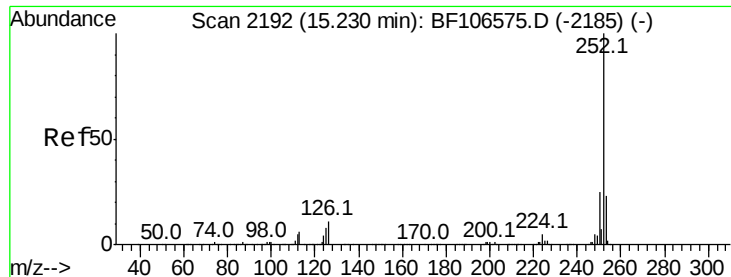
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.7	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





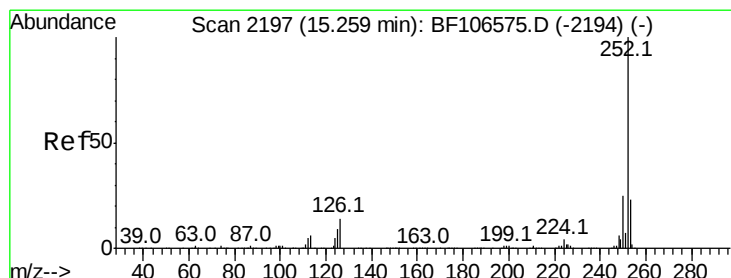
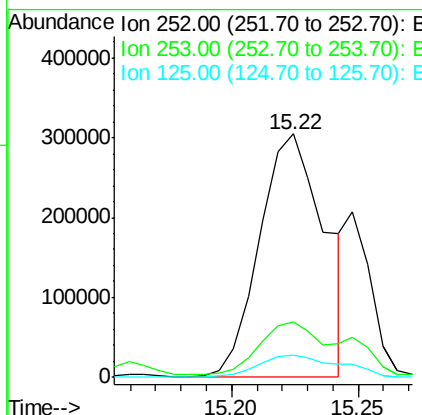
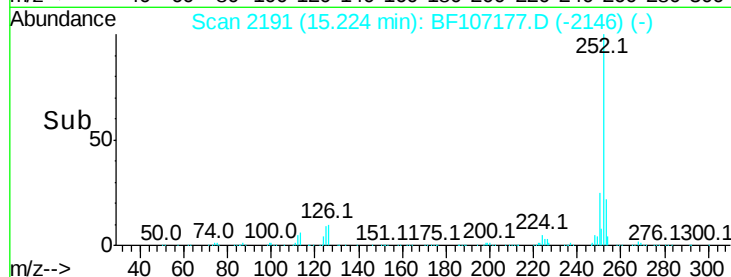
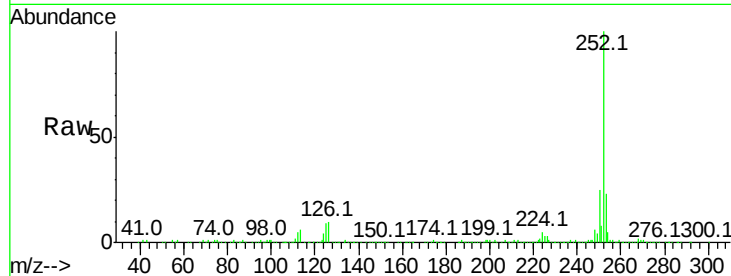
#87
Benzo(b)fluoranthene
Concen: 56.364 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.1	9.0	13.6

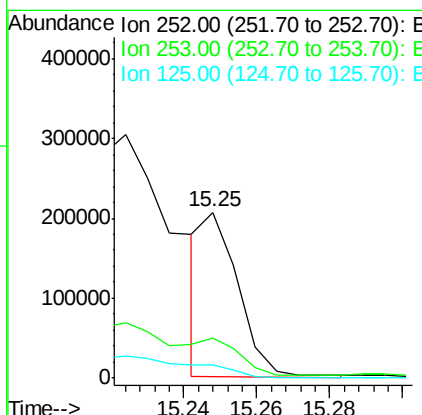
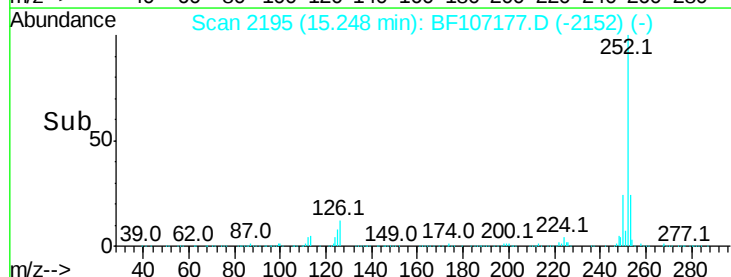
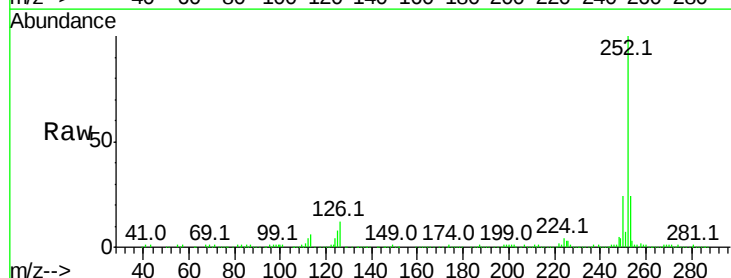
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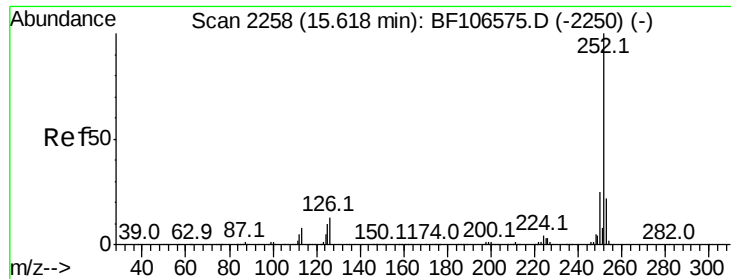
Sohil
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#88
Benzo(k)fluoranthene
Concen: 15.426 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107177.D
Acq: 6 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	8.0	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 48.863 ng/mL

RT: 15.61 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

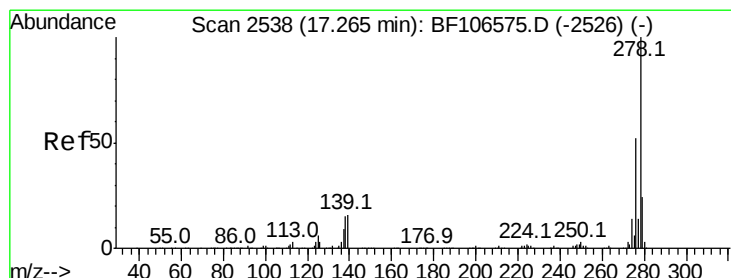
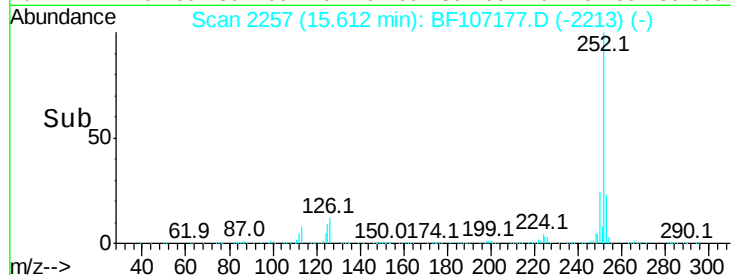
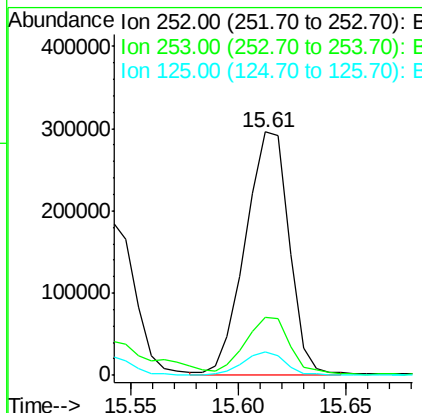
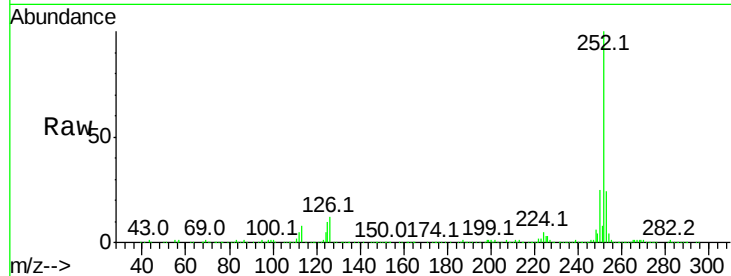
Client Sample ID :

EPE-108-6A(3-8)

Tot Ion:	252	Resp:	417037
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	9.6	9.8	14.6#

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 8.688 ng/mL

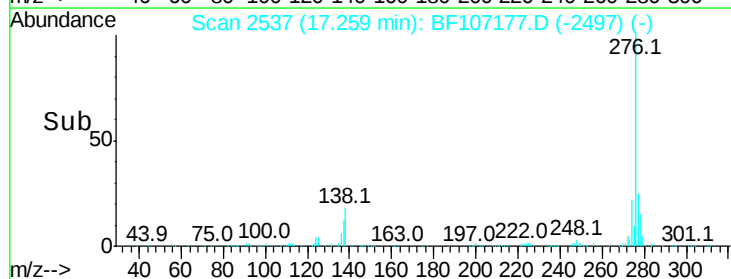
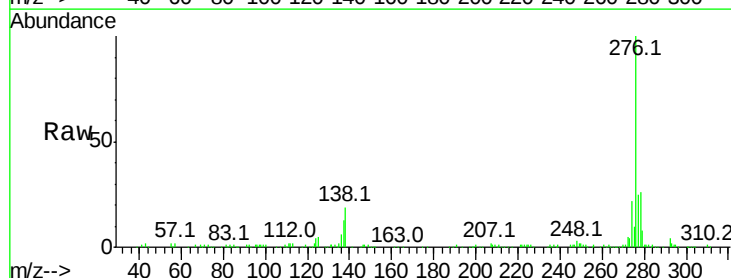
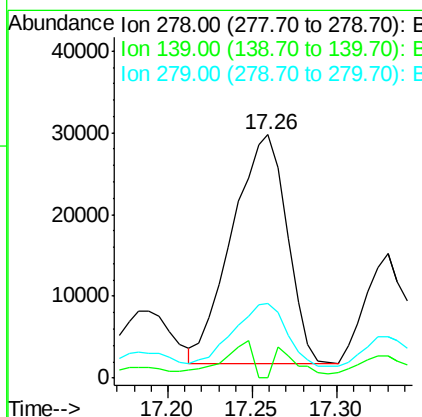
RT: 17.26 min Scan# 2537

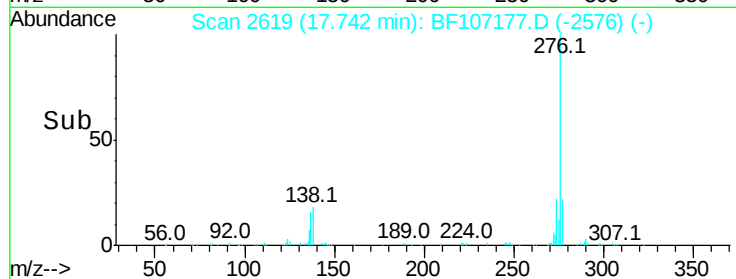
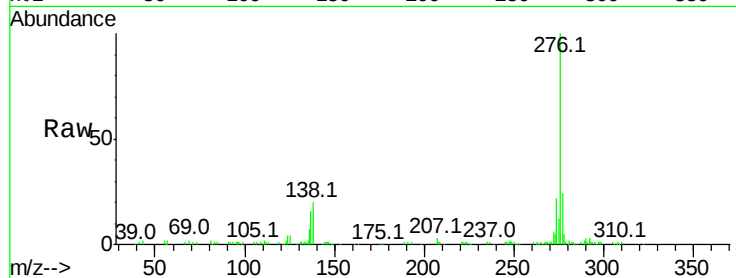
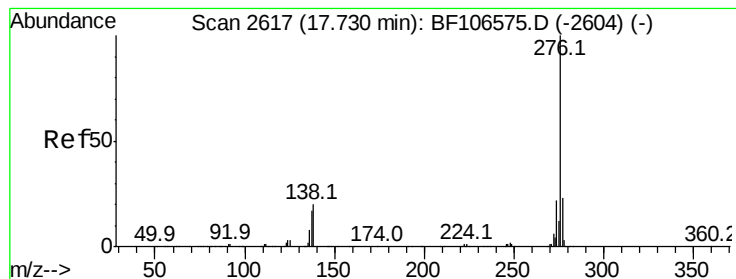
Delta R.T. -0.06 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Tgt Ion:	278	Resp:	62839
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	30.5	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 26.828 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.05 min

Lab File: BF107177.D

Acq: 6 Jul 2018 17:14

Instrument :

BNA_F

ClientSampleId :

EPE-108-6A(3-8)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	20.1	21.8	32.8

Manual Integrations
APPROVED

Sohil
7/9/2018 1:58:19 PM

