

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107297.D
 Acq On : 11 Jul 2018 13:59
 Operator : JU/SJ
 Sample : J3933-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Manual Integrations
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Quant Time: Jul 11 15:40:24 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	6.93	152	80278	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	302493	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	148696	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	263334	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	223572	20.00	ng	-0.02
86) Perylene-d12	15.69	264	254787	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	447517	94.40	ng	-0.03
7) Phenol-d6	6.58	99	561133	94.78	ng	-0.03
23) Nitrobenzene-d5	7.50	82	368565	67.71	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	167719	97.32	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	633216	69.37	ng	-0.03
78) Terphenyl-d14	13.07	244	589241	63.84	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	29905	4.426	ng	99
20) 3+4-Methylphenols	7.38	107	481	Below Cal	#	70
48) Acenaphthylene	9.84	152	66701	4.529	ng	99
49) Dimethylphthalate	9.68	163	179391	16.085	ng	98
70) Phenanthrene	11.50	178	218186	17.178	ng	99
71) Anthracene	11.55	178	54726	4.221	ng	98
72) Carbazole	11.71	167	25021	2.061	ng	96
74) Fluoranthene	12.70	202	585974	41.858	ng	96
77) Pyrene	12.94	202	557317	37.802	ng	100
80) Benzo(a)anthracene	14.13	228	381196	27.975	ng	95
82) Chrysene	14.17	228	325412	25.958	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	313999	40.518	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.28	276	236783	22.258	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	565907m	35.755	ng	
88) Benzo(k)fluoranthene	15.25	252	161358m	10.706	ng	
89) Benzo(a)pyrene	15.62	252	388476m	27.610	ng	
90) Dibenzo(a,h)anthracene	17.28	278	62404m	5.233	ng	
91) Benzo(g,h,i)perylene	17.77	276	213774	18.342	ng	# 89

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

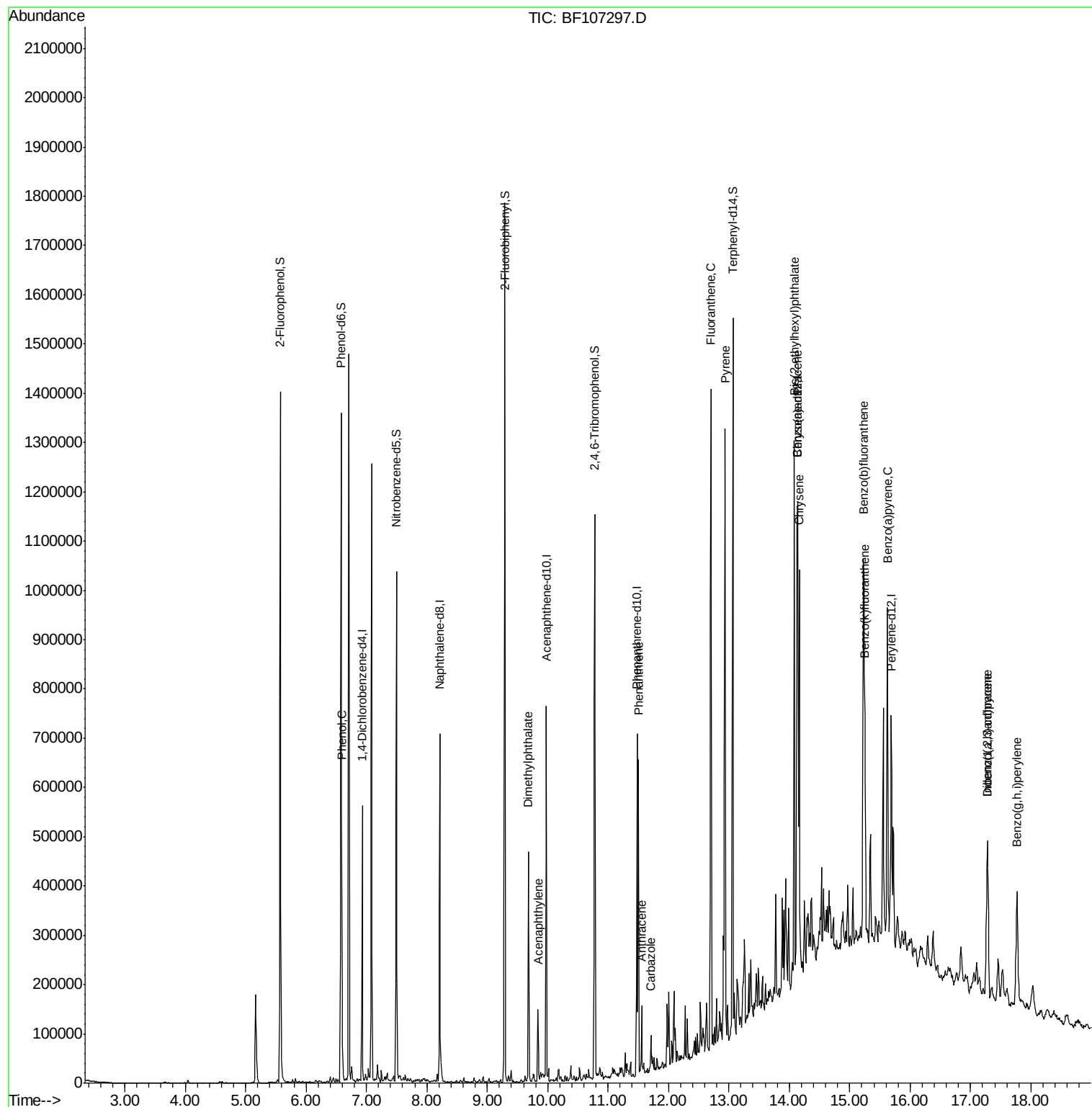
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107297.D
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Operator : JU/SJ
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ALS Vial : 4 Sample Multiplier: 1

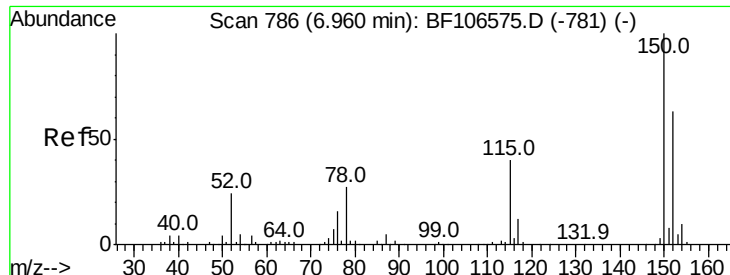
Instrument :
BNA_F
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EP-12-W1

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#1

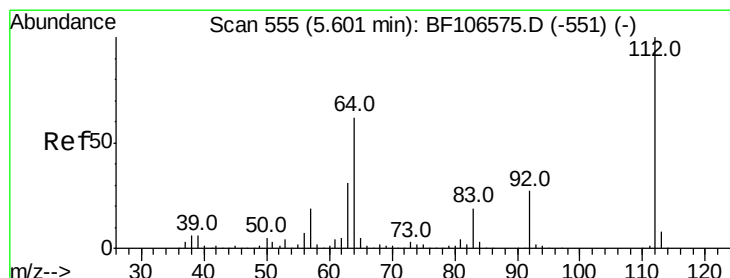
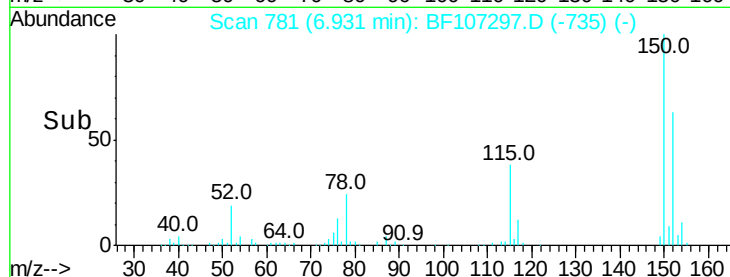
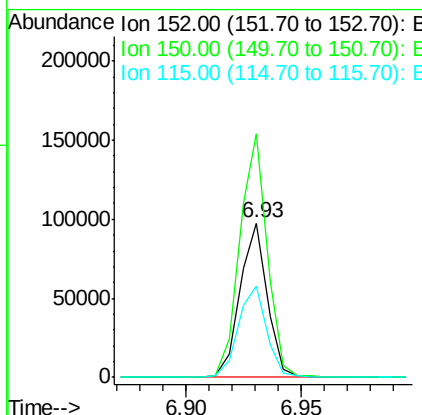
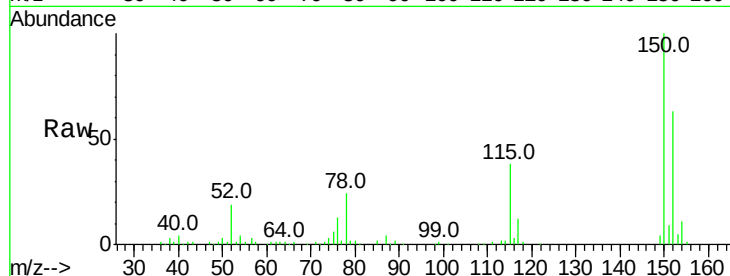
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Instrument :
BNA_F
ClientSampleId :
EP-12-W1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.3	50.1	75.1

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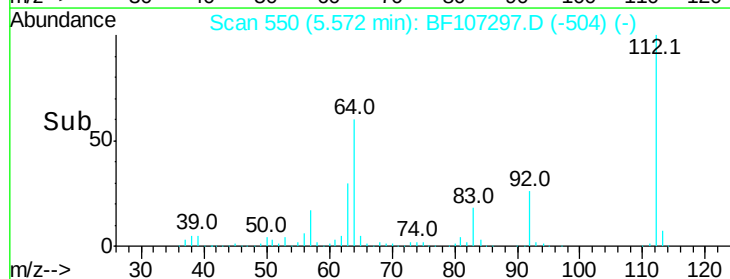
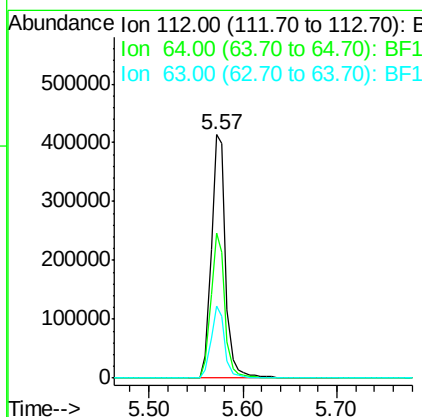
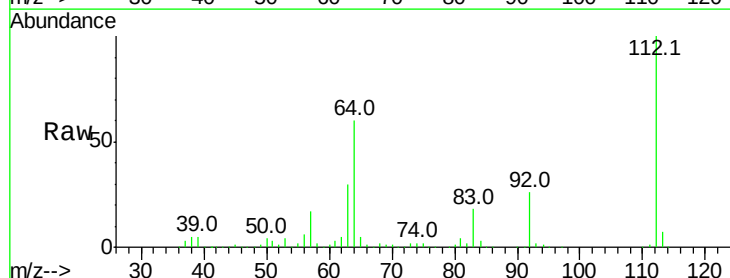
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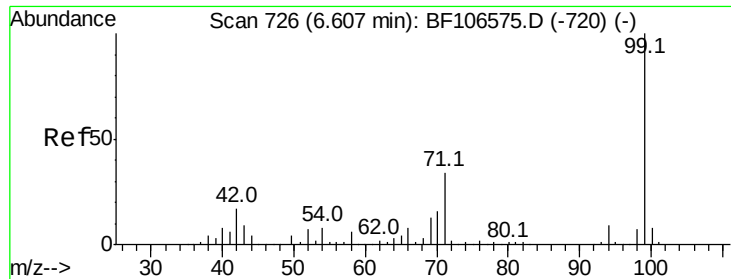


#5

2-Fluorophenol
Concen: 94.396 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 94.779 ng

RT: 6.58 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Instrument :

BNA_F

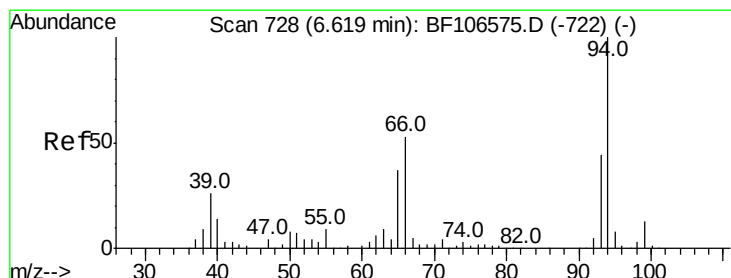
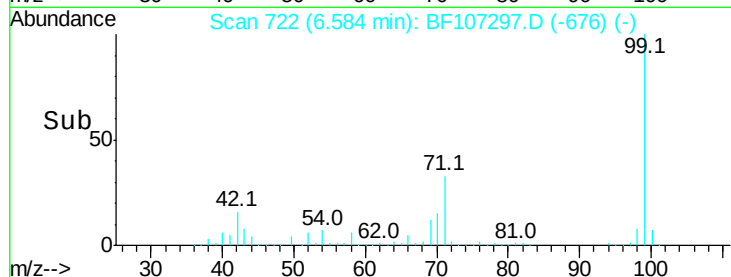
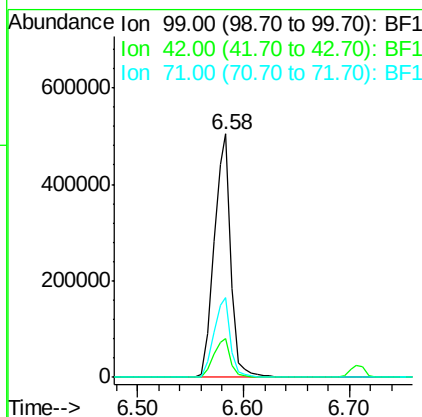
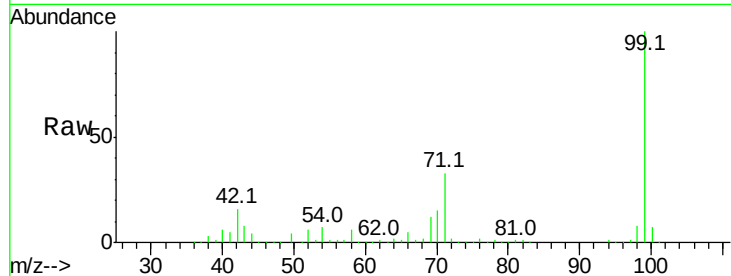
ClientSampled :

EP-12-W1

Tot Ion:	99	Resp:	561133
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	32.6	25.4	38.0

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#10

Phenol

Concen: 4.426 ng

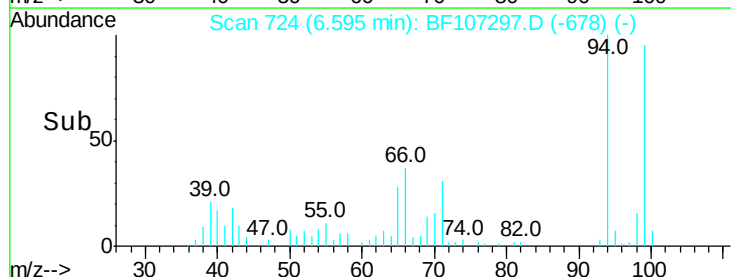
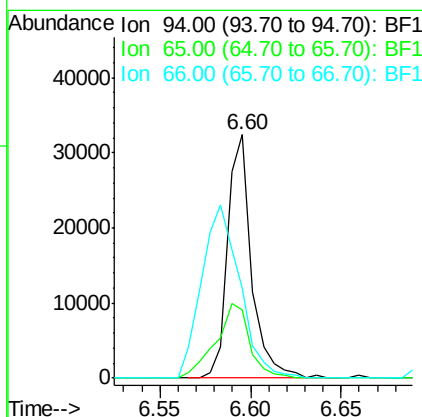
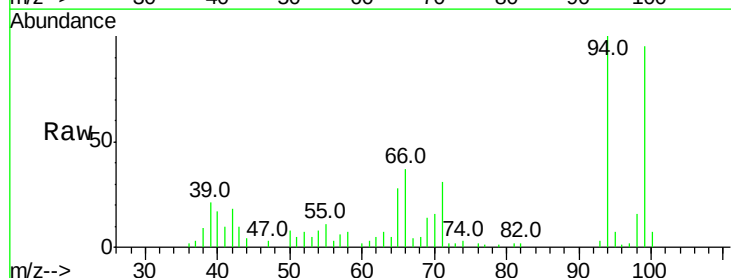
RT: 6.60 min Scan# 724

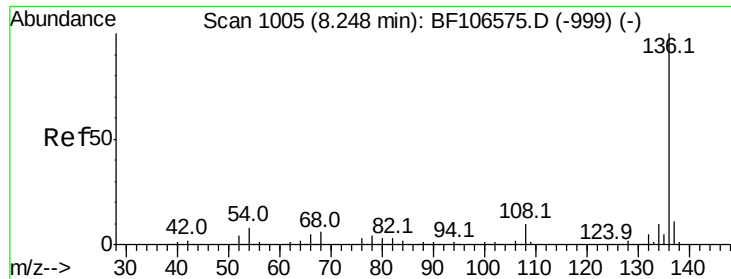
Delta R.T. -0.03 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Tgt Ion:	94	Resp:	29905
Ion Ratio	Lower	Upper	
94	100		
65	27.9	7.9	47.9
66	36.7	16.2	56.2





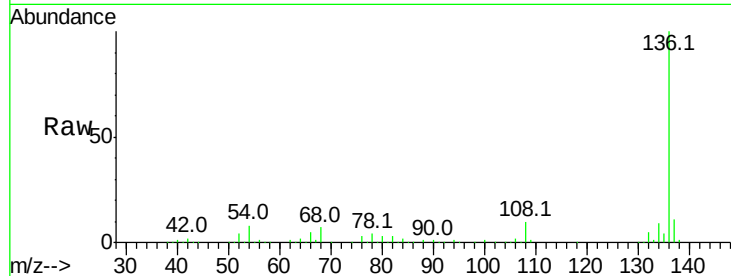
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.04 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Instrument :
BNA_F
ClientSampled :
EP-12-W1

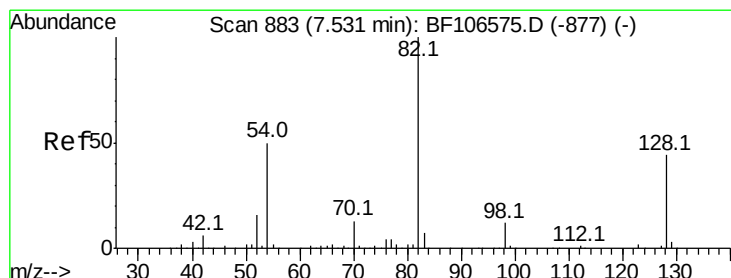
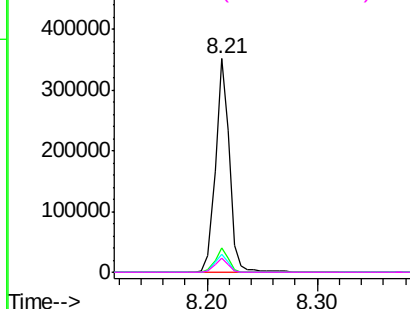
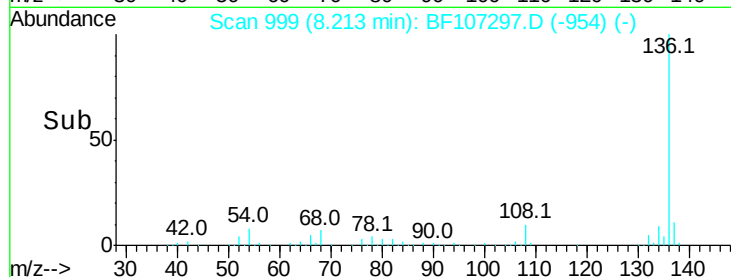
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	8.3	6.6	9.8	
68	6.8	5.0	7.4	

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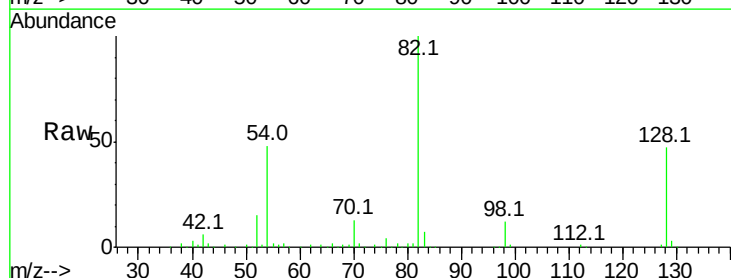


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

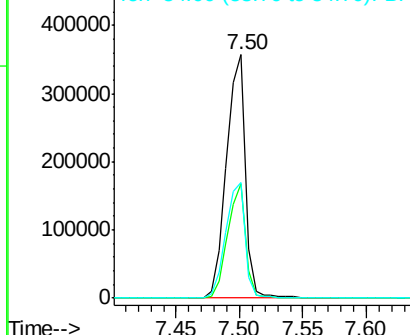
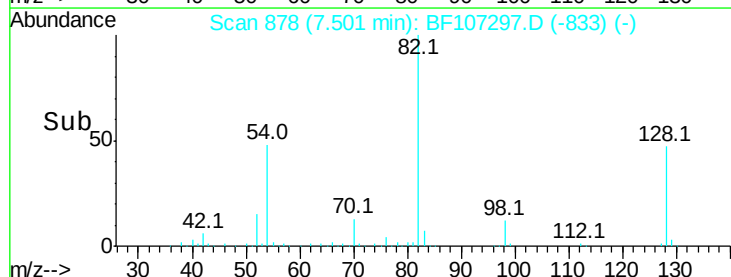


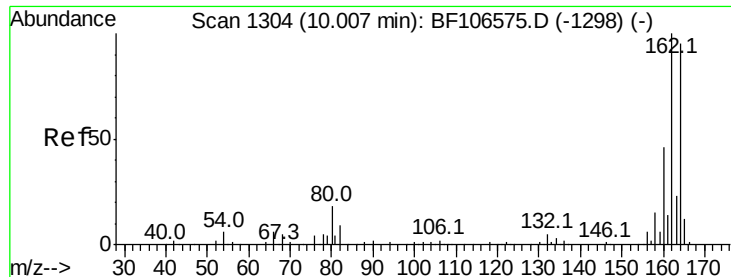
#23
Nitrobenzene-d5
Concen: 67.712 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.04 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	36.1	54.1	
54	47.6	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





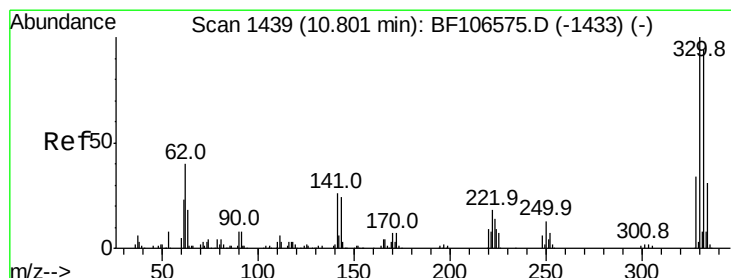
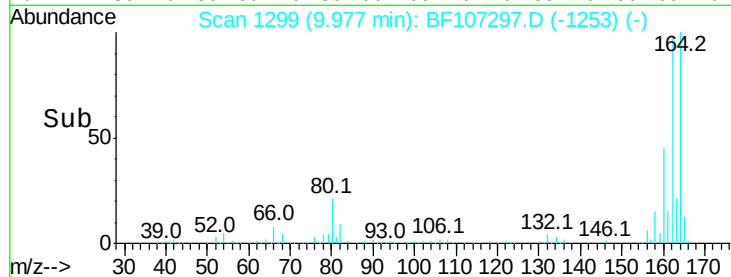
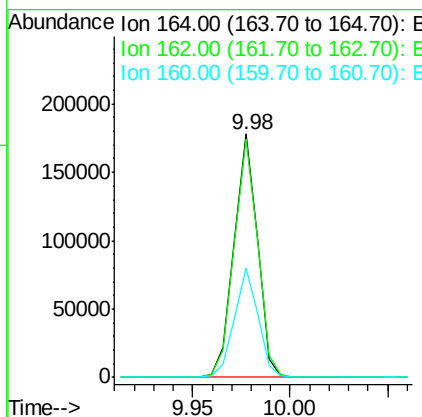
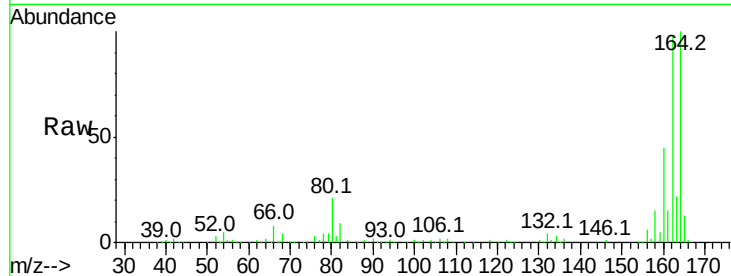
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	148696		
162	98.0		86.1	129.1
160	44.8		38.3	57.5

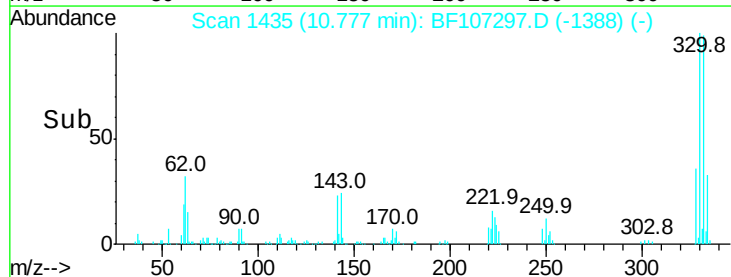
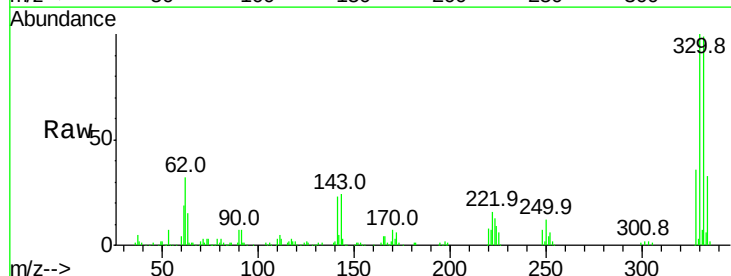
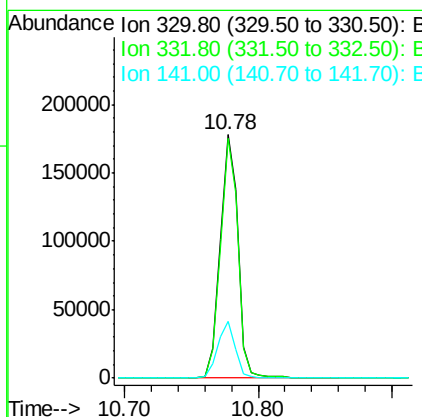
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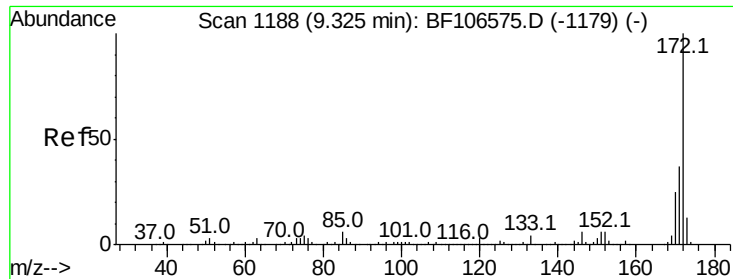
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#41
 2,4,6-Tribromophenol
 Concen: 97.317 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	167719		
332	97.4		77.0	115.6
141	23.1		29.9	44.9#





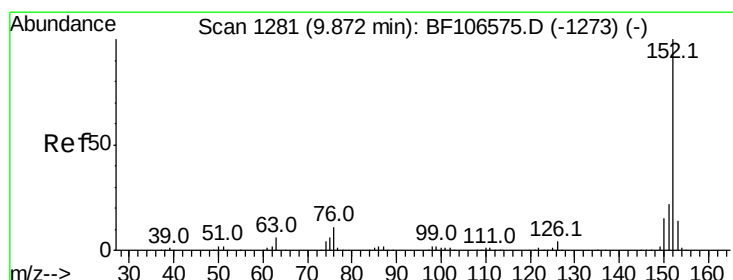
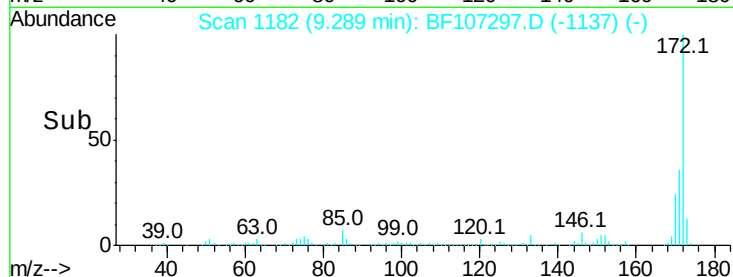
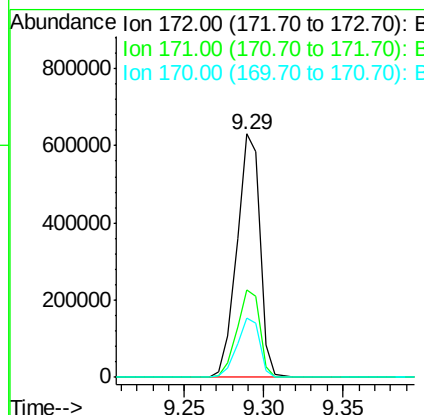
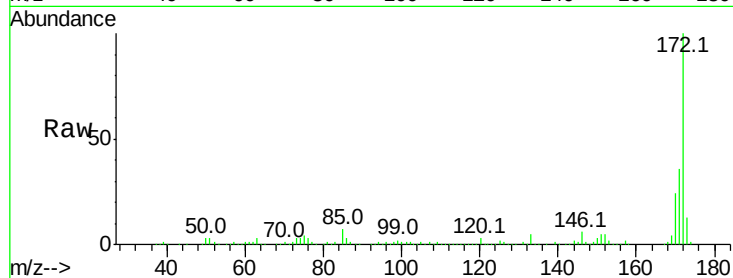
#44
2-Fluorobiphenyl
Concen: 69.367 ng
RT: 9.29 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Instrument :
BNA_F
ClientSampleId :
EP-12-W1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	633216		
171	36.1		29.7	44.5
170	24.2		19.6	29.4

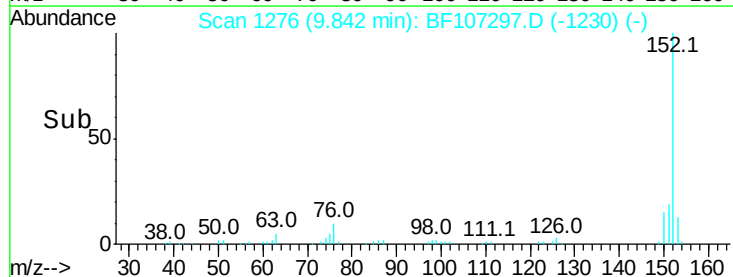
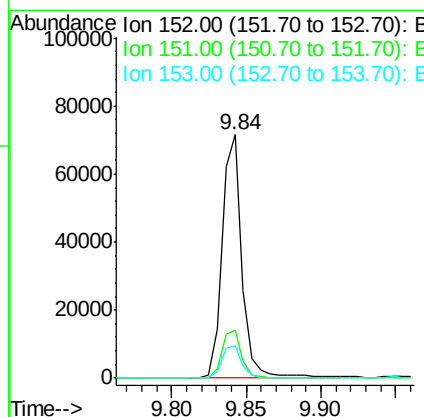
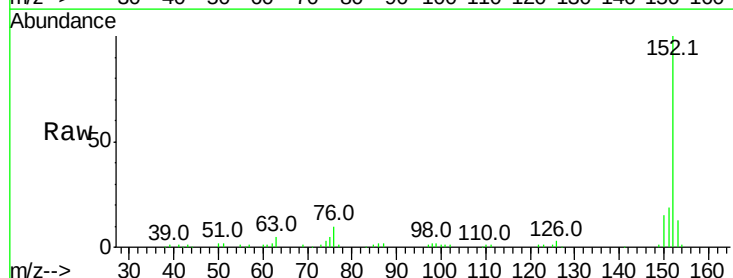
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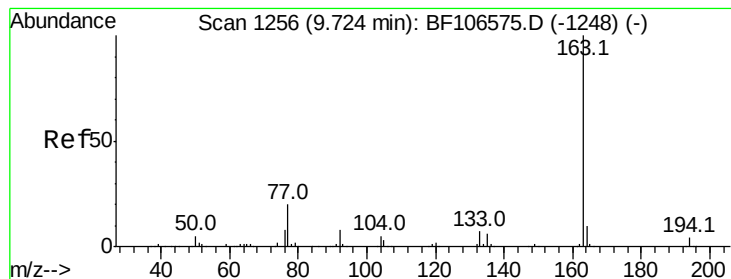
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#48
Acenaphthylene
Concen: 4.529 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	66701		
151	19.5		16.3	24.5
153	13.2		10.7	16.1





#49

Dimethylphthalate

Concen: 16.085 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.04 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Instrument :

BNA_F

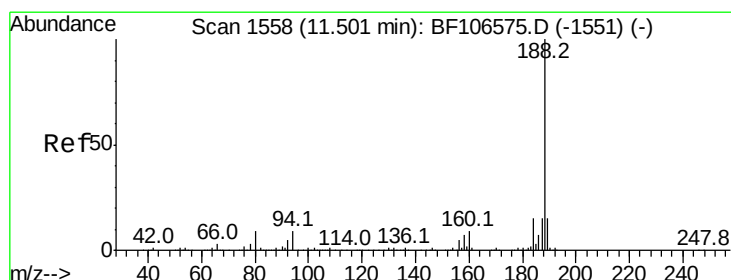
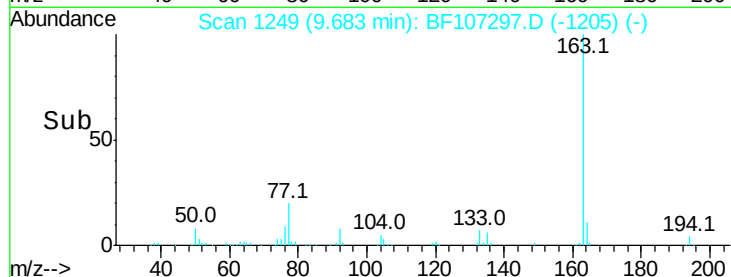
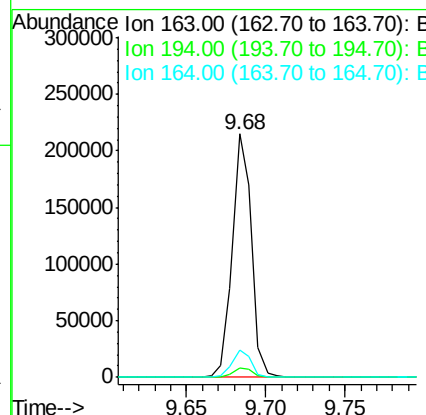
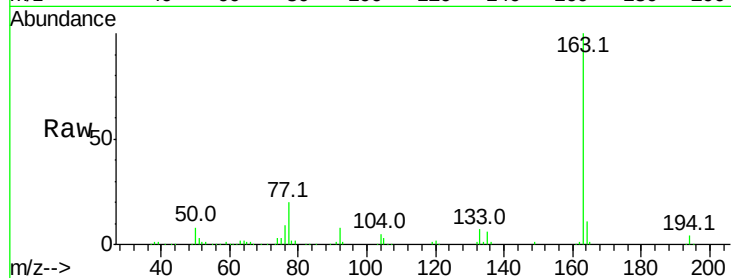
ClientSampled :

EP-12-W1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	179391		
194	3.8	2.7	4.1	
164	11.0	8.2	12.2	

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#63

Phenanthrene-d10

Concen: 20.000 ng

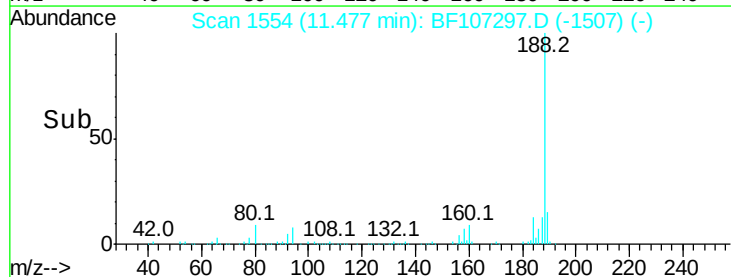
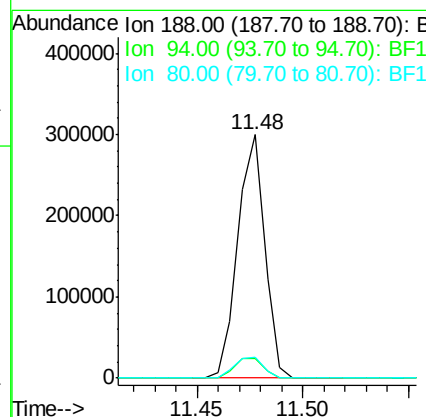
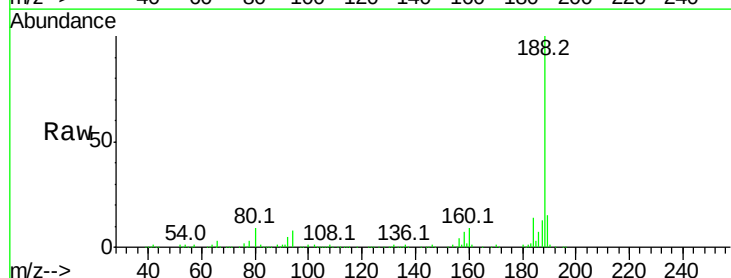
RT: 11.48 min Scan# 1554

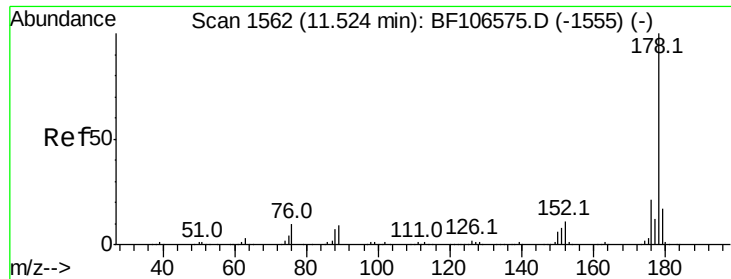
Delta R.T. -0.02 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	263334		
94	8.1	8.5	12.7#	
80	8.8	9.2	13.8#	





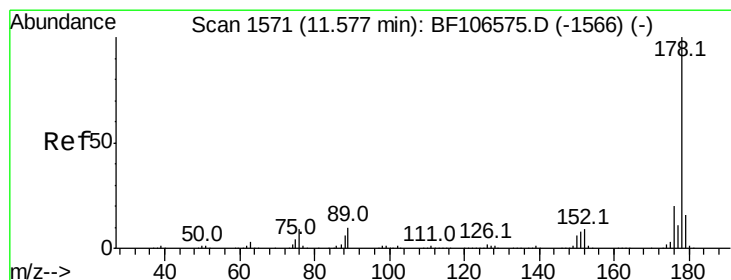
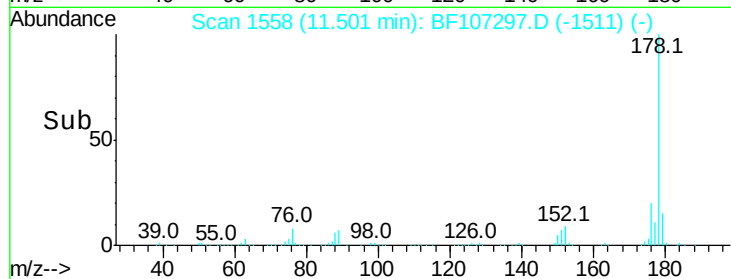
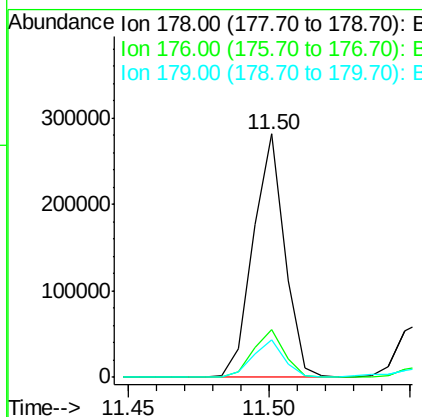
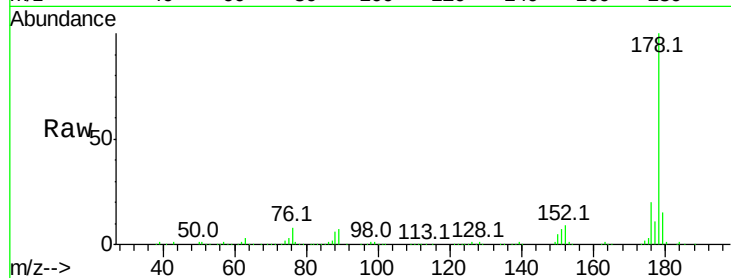
#70
Phenanthrene
Concen: 17.178 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Instrument :
BNA_F
ClientSampled :
EP-12-W1

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

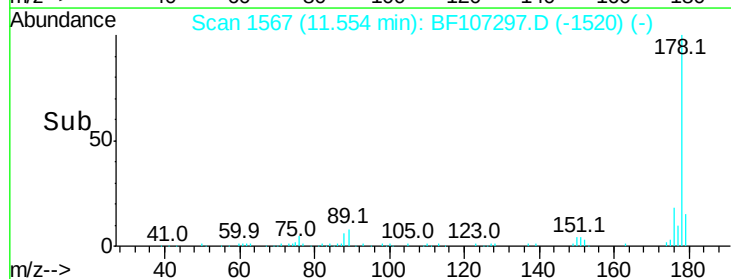
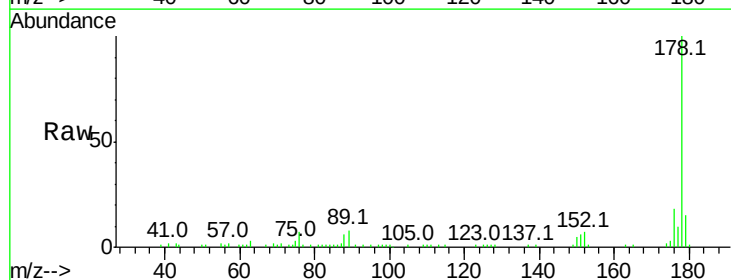
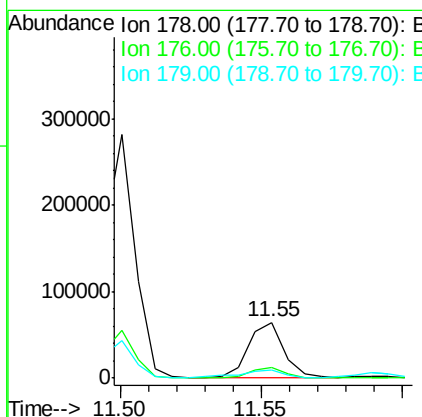
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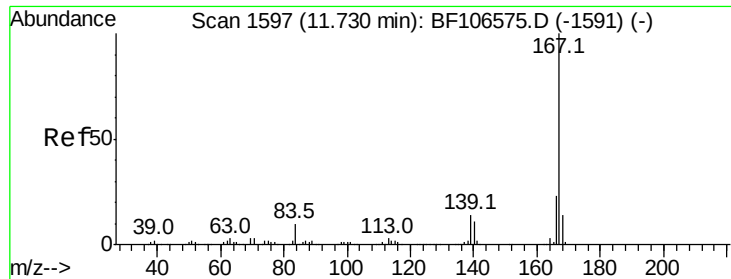
Sohil
7/12/2018 2:19:11 PM



#71
Anthracene
Concen: 4.221 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.1	12.6	19.0





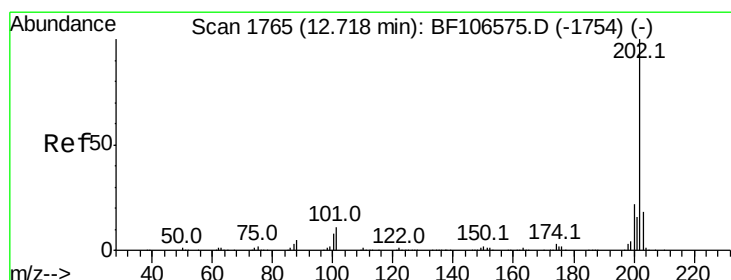
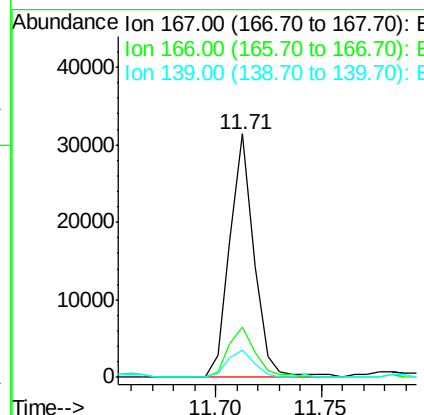
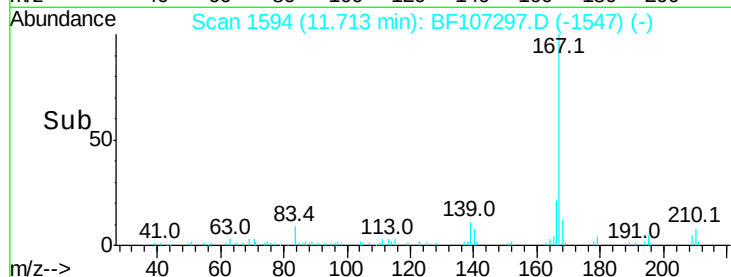
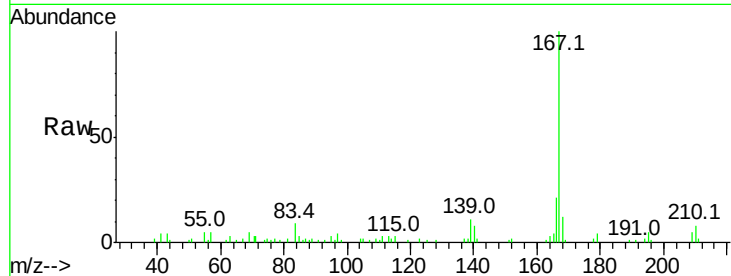
#72
 Carbazole
 Concen: 2.061 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	11.0	10.9	16.3

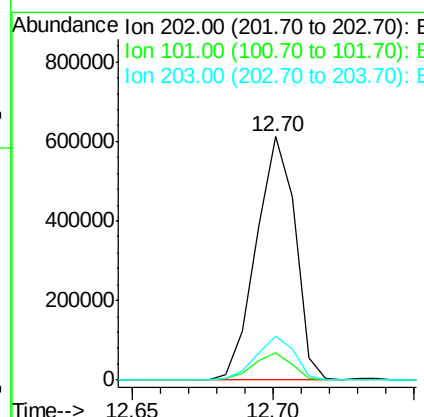
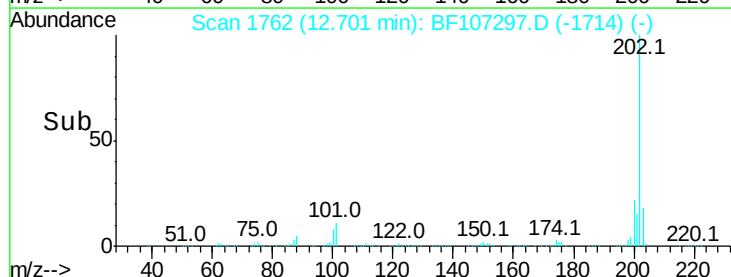
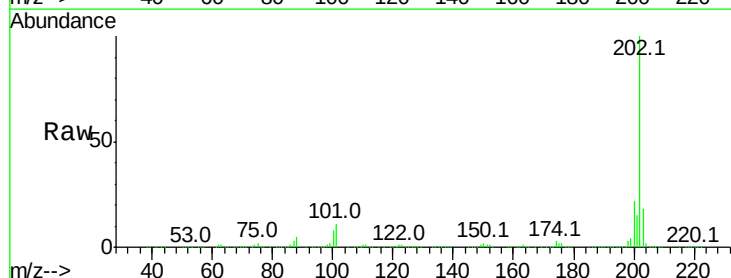
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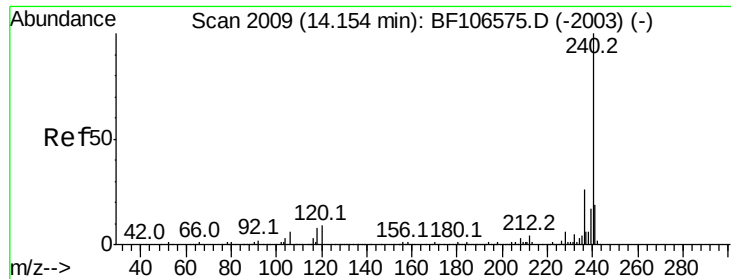
Sohil
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#74
 Fluoranthene
 Concen: 41.858 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Instrument :

BNA_F

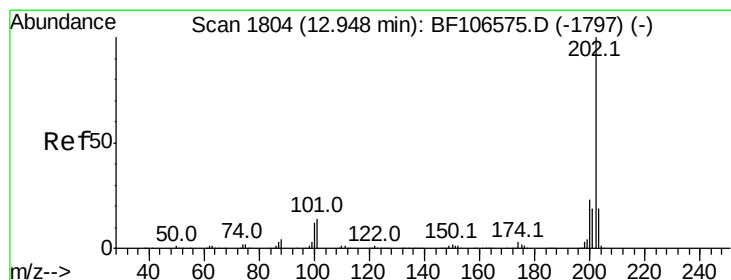
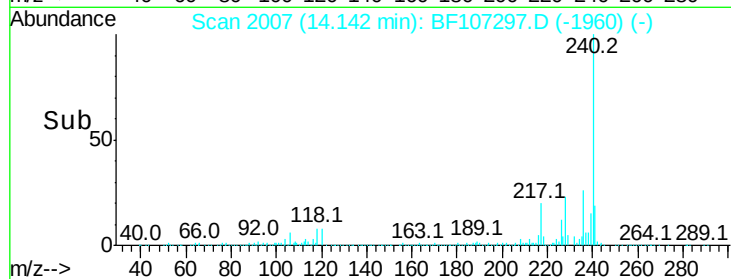
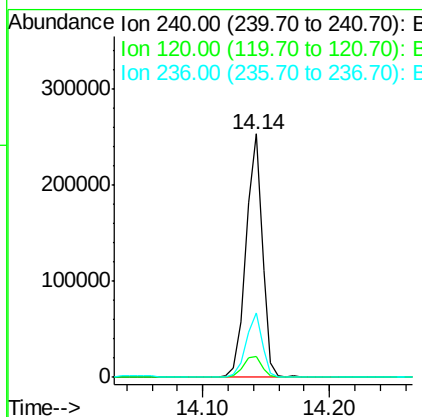
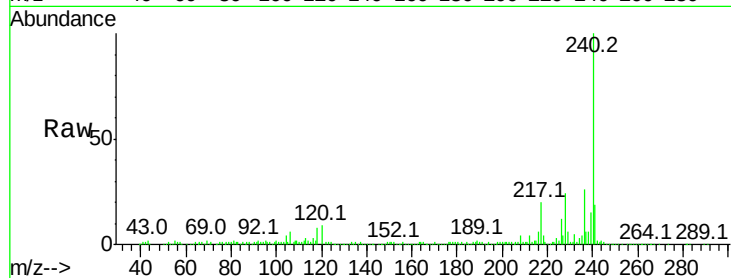
ClientSampled :

EP-12-W1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 37.802 ng

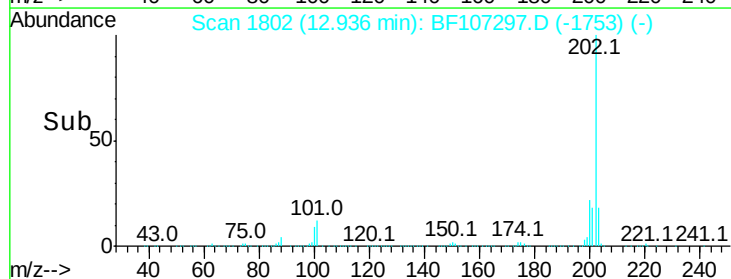
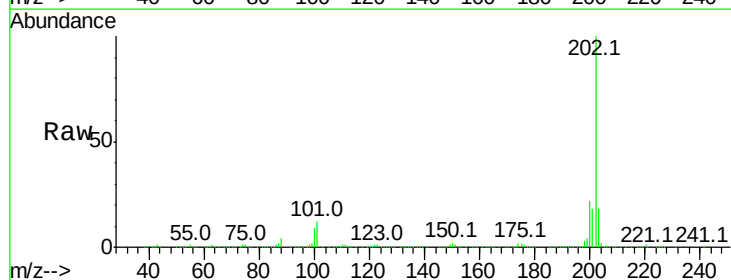
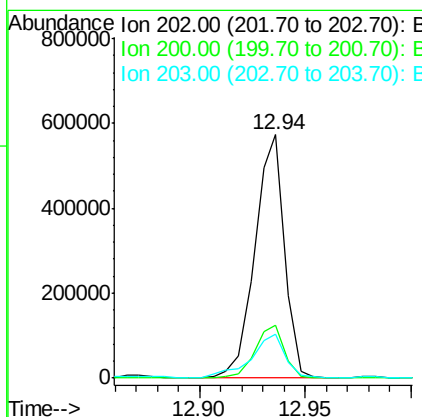
RT: 12.94 min Scan# 1802

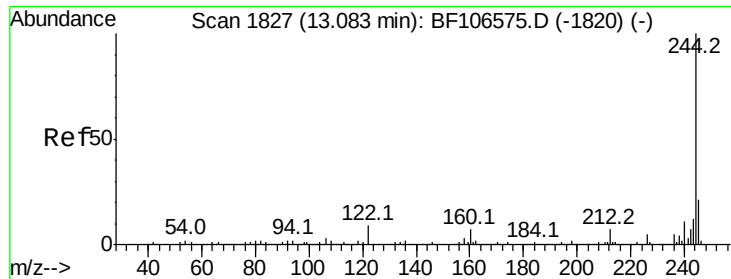
Delta R.T. -0.01 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.1	14.3	21.5





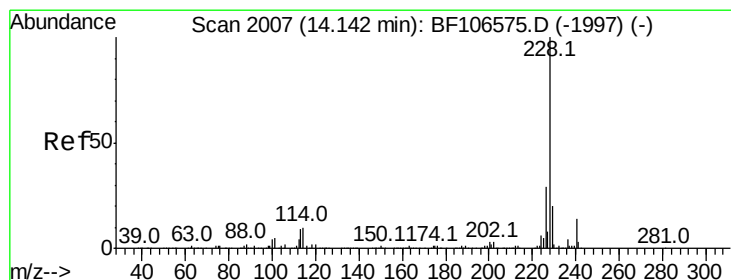
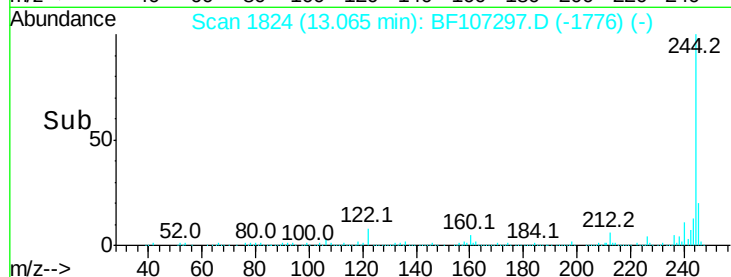
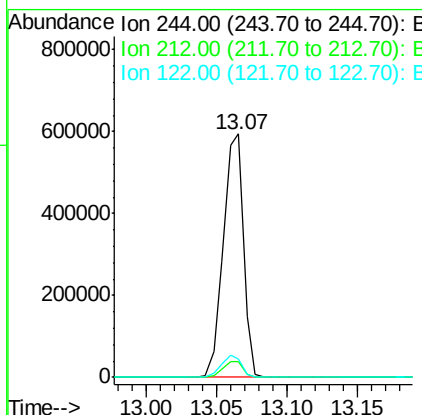
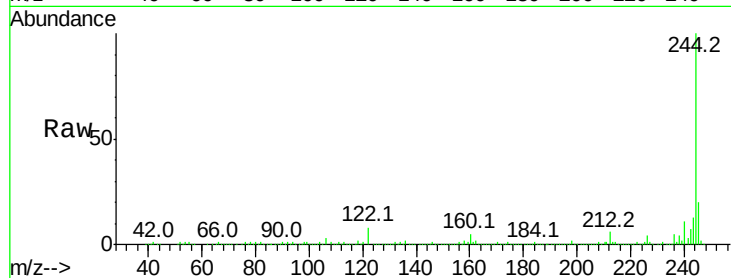
#78
 Terphenyl-d14
 Concen: 63.842 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.7	11.0	16.4

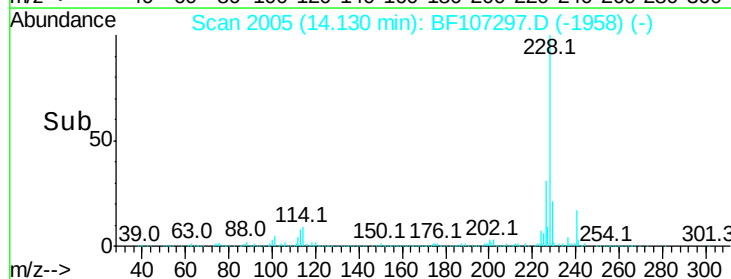
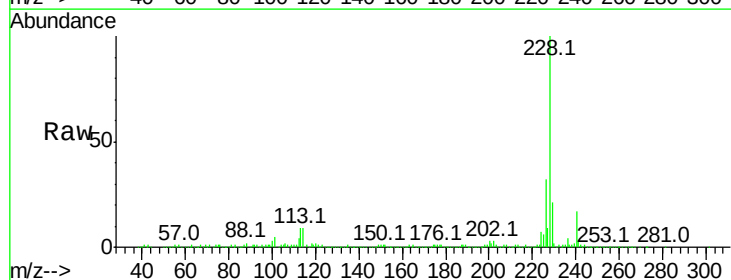
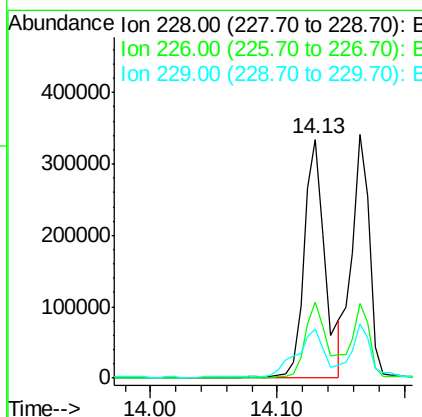
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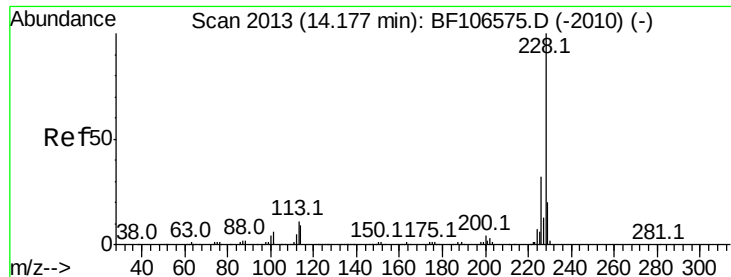
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#80
 Benzo(a)anthracene
 Concen: 27.975 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	20.8	15.8	23.6





#82

Chrysene

Concen: 25.958 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Instrument :

BNA_F

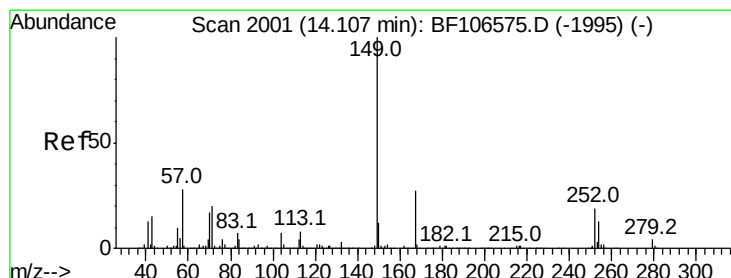
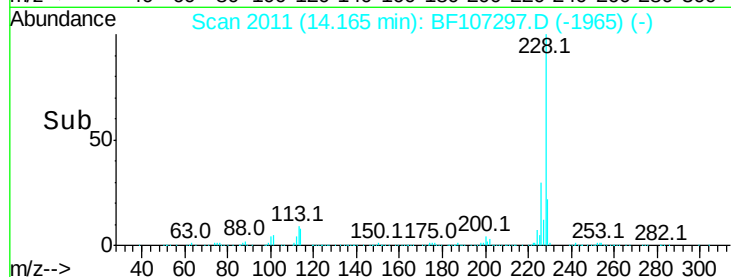
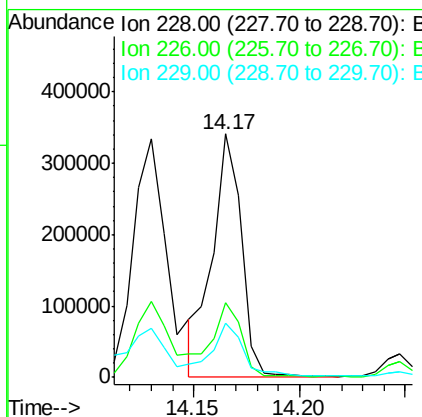
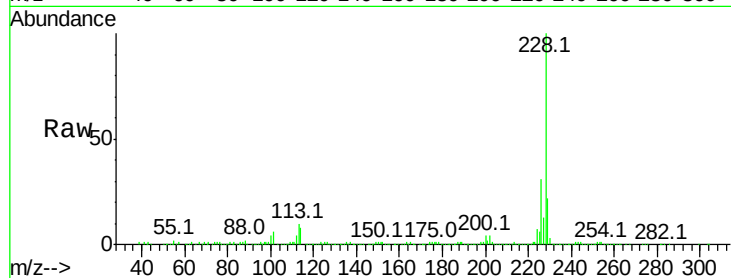
ClientSampleId :

EP-12-W1

Tot Ion:	228	Resp:	325412
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.5	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 40.518 ng

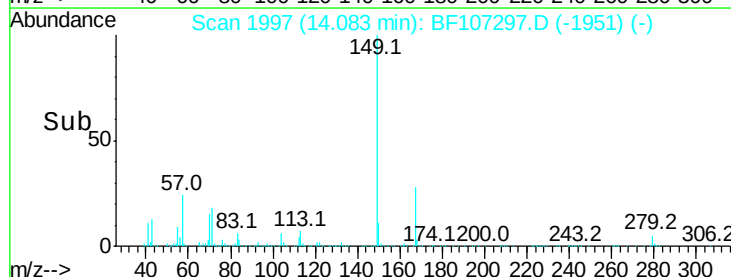
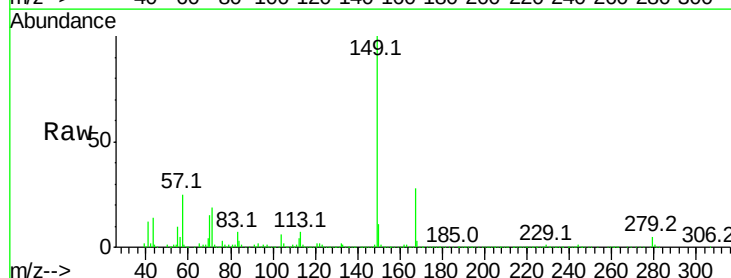
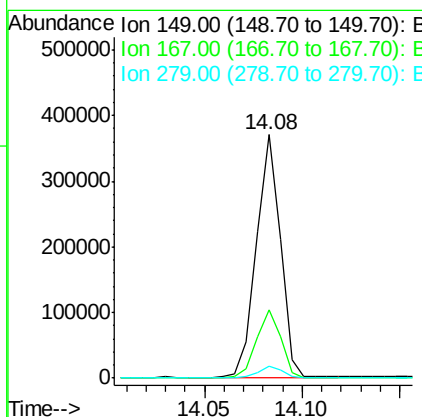
RT: 14.08 min Scan# 1997

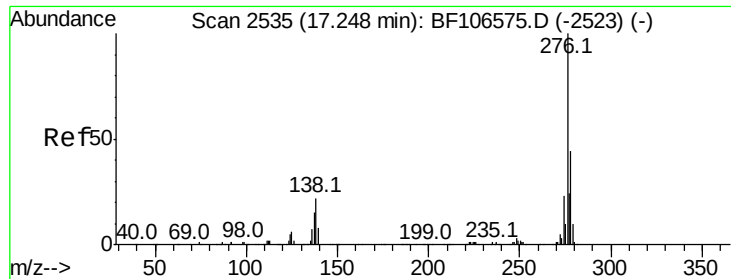
Delta R.T. -0.03 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Tgt Ion:	149	Resp:	313999
Ion Ratio	Lower	Upper	
149	100		
167	28.0	21.3	31.9
279	4.7	3.0	4.4#





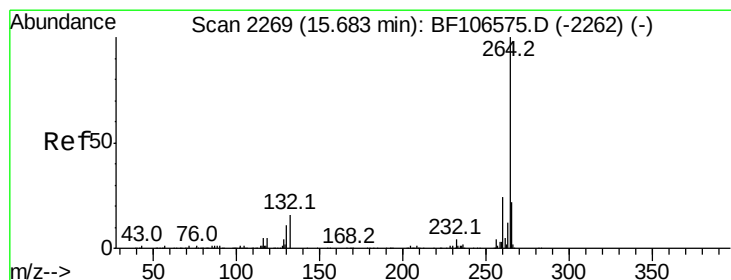
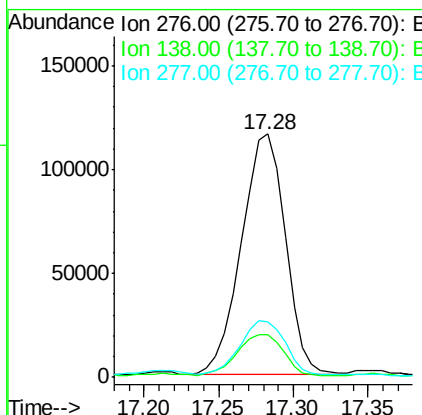
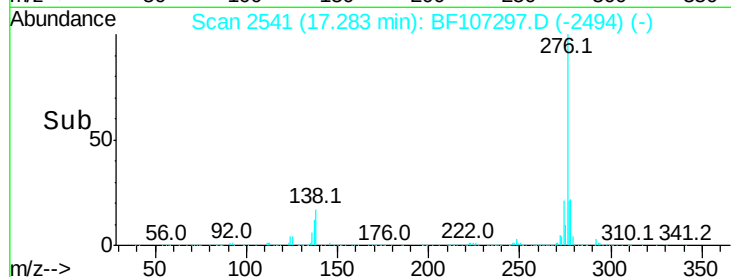
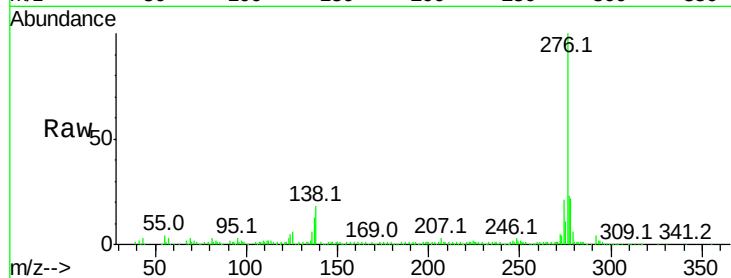
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 22.258 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	25.0	37.6#
277	23.1	20.1	30.1

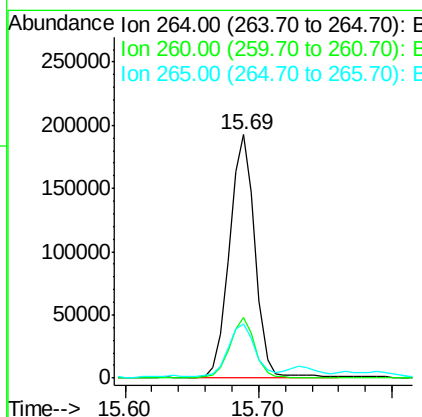
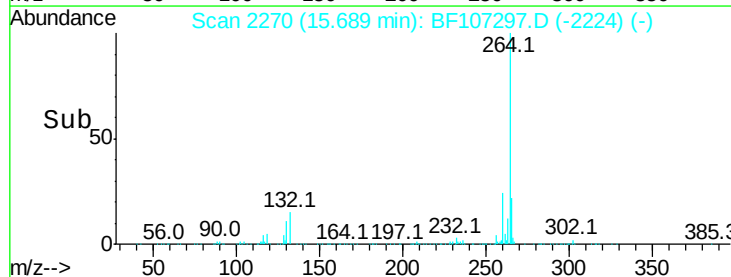
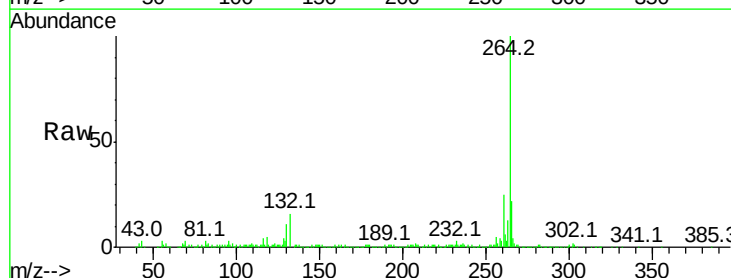
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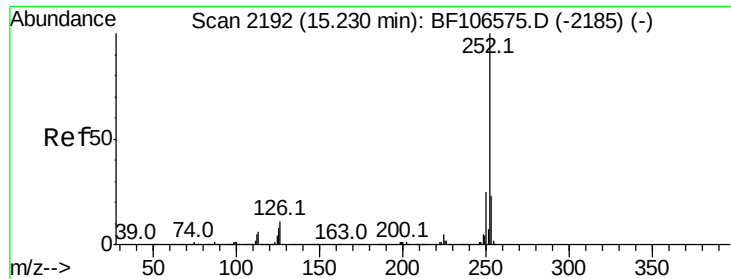
Sohil
 7/12/2018 2:19:11 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 35.755 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Instrument :

BNA_F

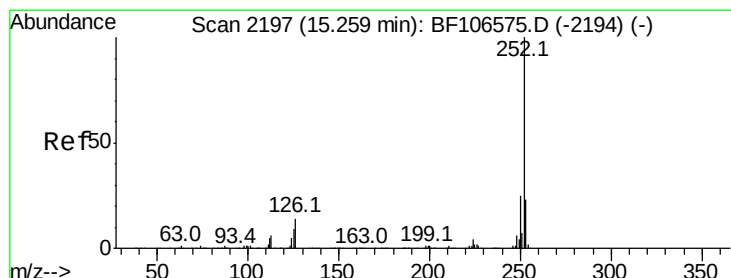
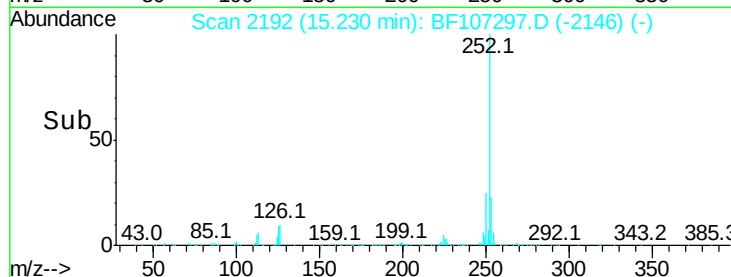
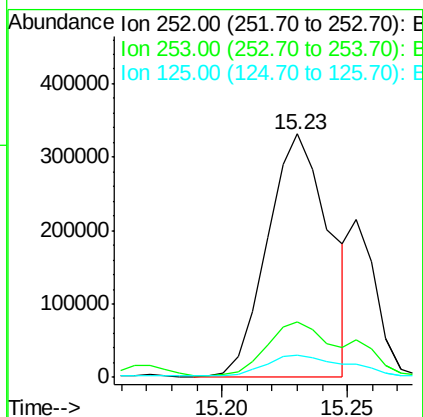
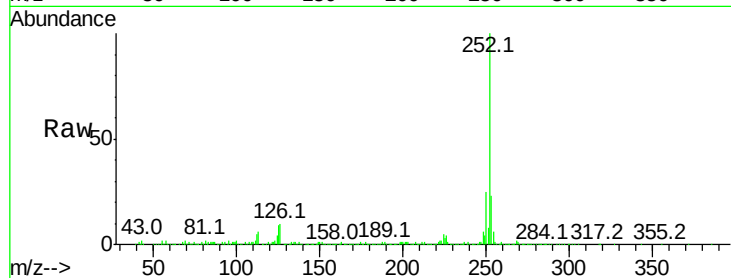
ClientSampleId :

EP-12-W1

Tot Ion:	252	Resp:	565907
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	9.1	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 10.706 ng m

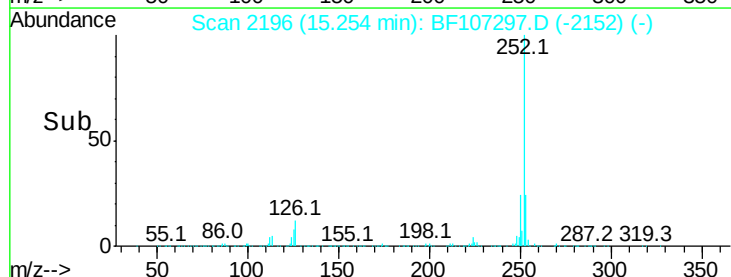
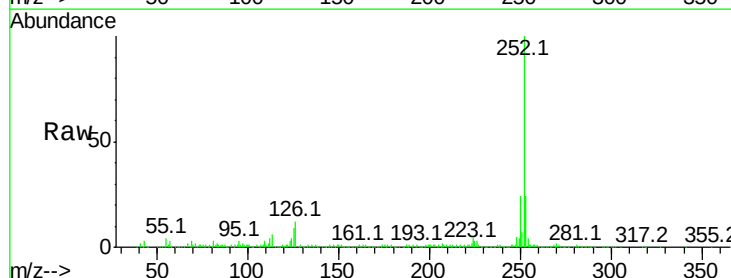
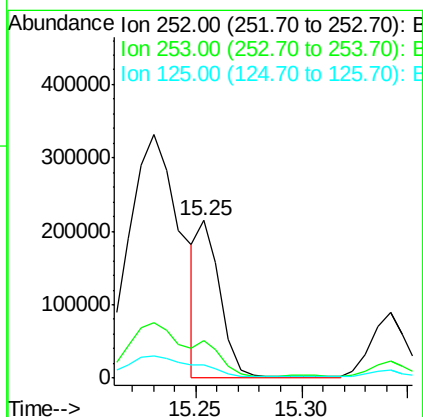
RT: 15.25 min Scan# 2196

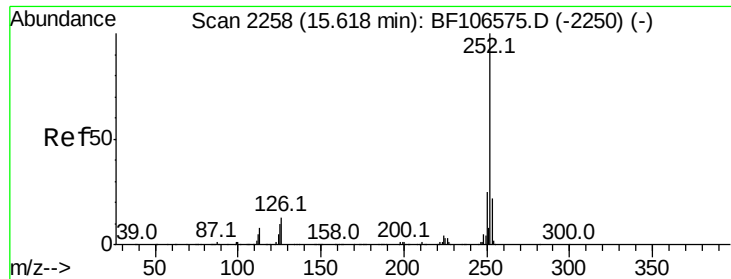
Delta R.T. -0.04 min

Lab File: BF107297.D

Acq: 11 Jul 2018 13:59

Tgt Ion:	252	Resp:	161358
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	8.7	10.2	15.2#





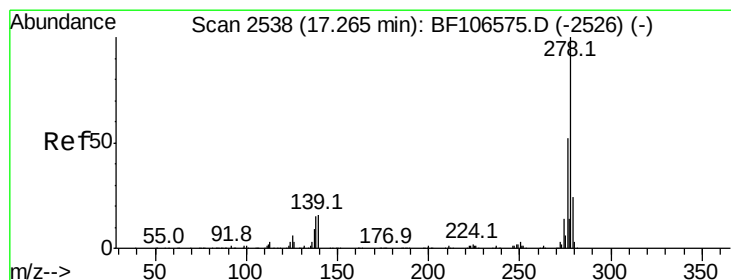
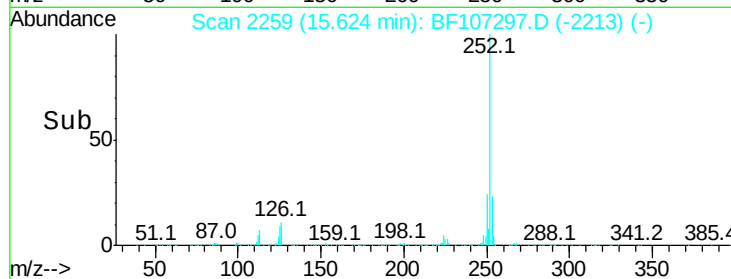
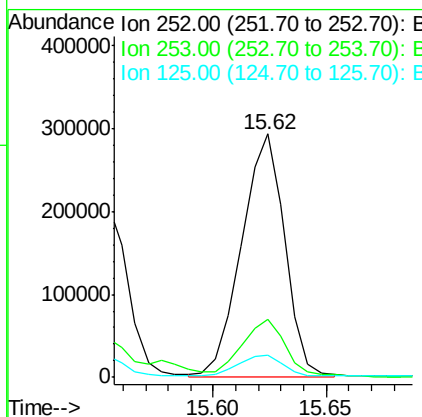
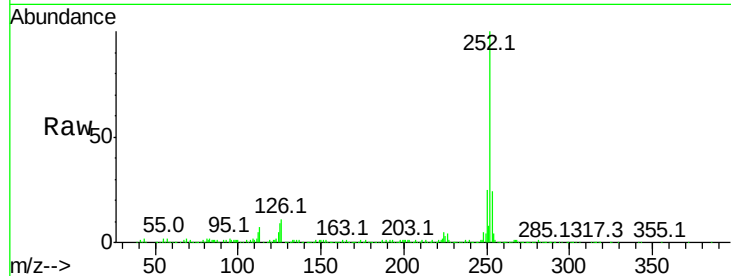
#89
Benzo(a)pyrene
Concen: 27.610 ng m
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Instrument :
BNA_F
ClientSampleId :
EP-12-W1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	9.0	9.8	14.6#

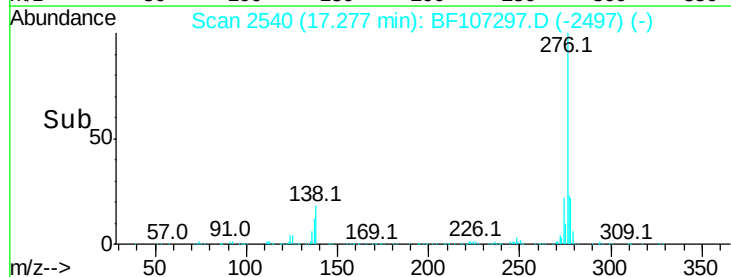
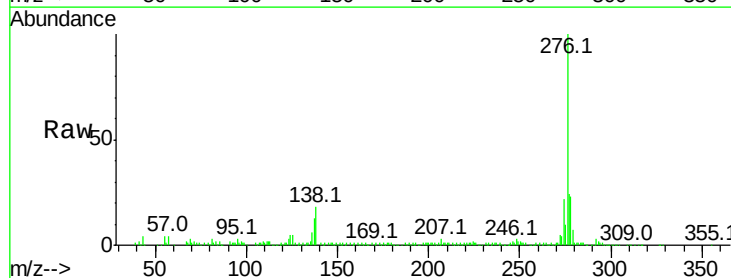
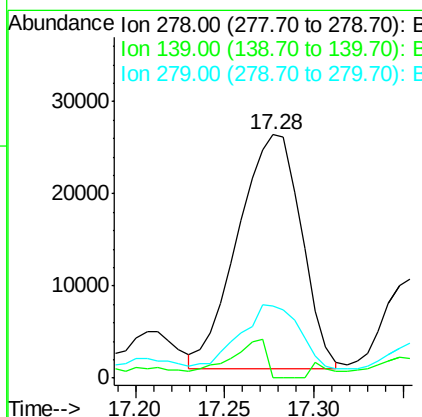
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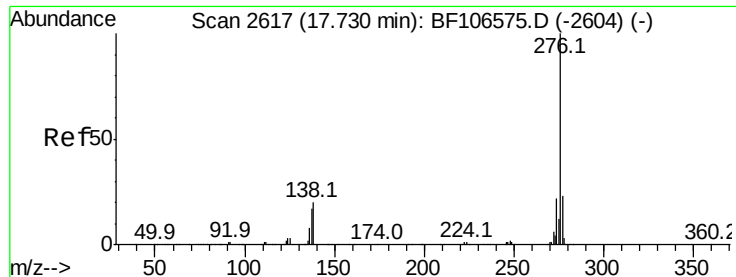
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#90
Dibenzo(a,h)anthracene
Concen: 5.233 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107297.D
Acq: 11 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.6	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 18.342 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF107297.D
 Acq: 11 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 EP-12-W1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	19.6	21.8	32.8

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