

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099398.D
 Acq On : 12 Oct 2017 16:50
 Operator : SJ/JU
 Sample : I5637-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMP

Manual Integrations
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 10/13/2017 3:05:35 PM

Quant Time: Oct 13 01:35:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	115330	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	476751	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	217719	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	377701	20.00	ng	0.00
75) Chrysene-d12	14.02	240	194871	20.00	ng	0.00
86) Perylene-d12	15.49	264	211293	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	860522	118.78	ng	0.01
7) Phenol-d6	6.49	99	1065616	119.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	626051	84.21	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	219823	123.39	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	918340	70.42	ng	0.00
78) Terphenyl-d14	12.96	244	712649	83.17	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.85	142	32987	2.266	ng	95
49) Dimethylphthalate	9.60	163	239427	14.571	ng	100
51) Acenaphthene	9.92	154	58520	4.296	ng	98
54) Dibenzofuran	10.09	168	44026	2.427	ng	# 97
57) Fluorene	10.43	166	96339	6.608	ng	99
70) Phenanthrene	11.40	178	1251496	61.902	ng	99
71) Anthracene	11.45	178	182340	8.815	ng	97
72) Carbazole	11.61	167	55089	2.719	ng	98
74) Fluoranthene	12.60	202	1080243	52.766	ng	98
77) Pyrene	12.83	202	1237875	83.304	ng	99
80) Benzo(a)anthracene	14.01	228	429925	36.435	ng	99
82) Chrysene	14.04	228	472165	42.030	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	205742	22.894	ng	98
87) Benzo(b)fluoranthene	15.06	252	411492m	31.675	ng	
88) Benzo(k)fluoranthene	15.09	252	154507m	12.041	ng	
89) Benzo(a)pyrene	15.43	252	343412	28.798	ng	# 95
90) Dibenzo(a,h)anthracene	16.97	278	58715m	6.152	ng	
91) Benzo(g,h,i)perylene	17.42	276	219618	23.281	ng	94

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

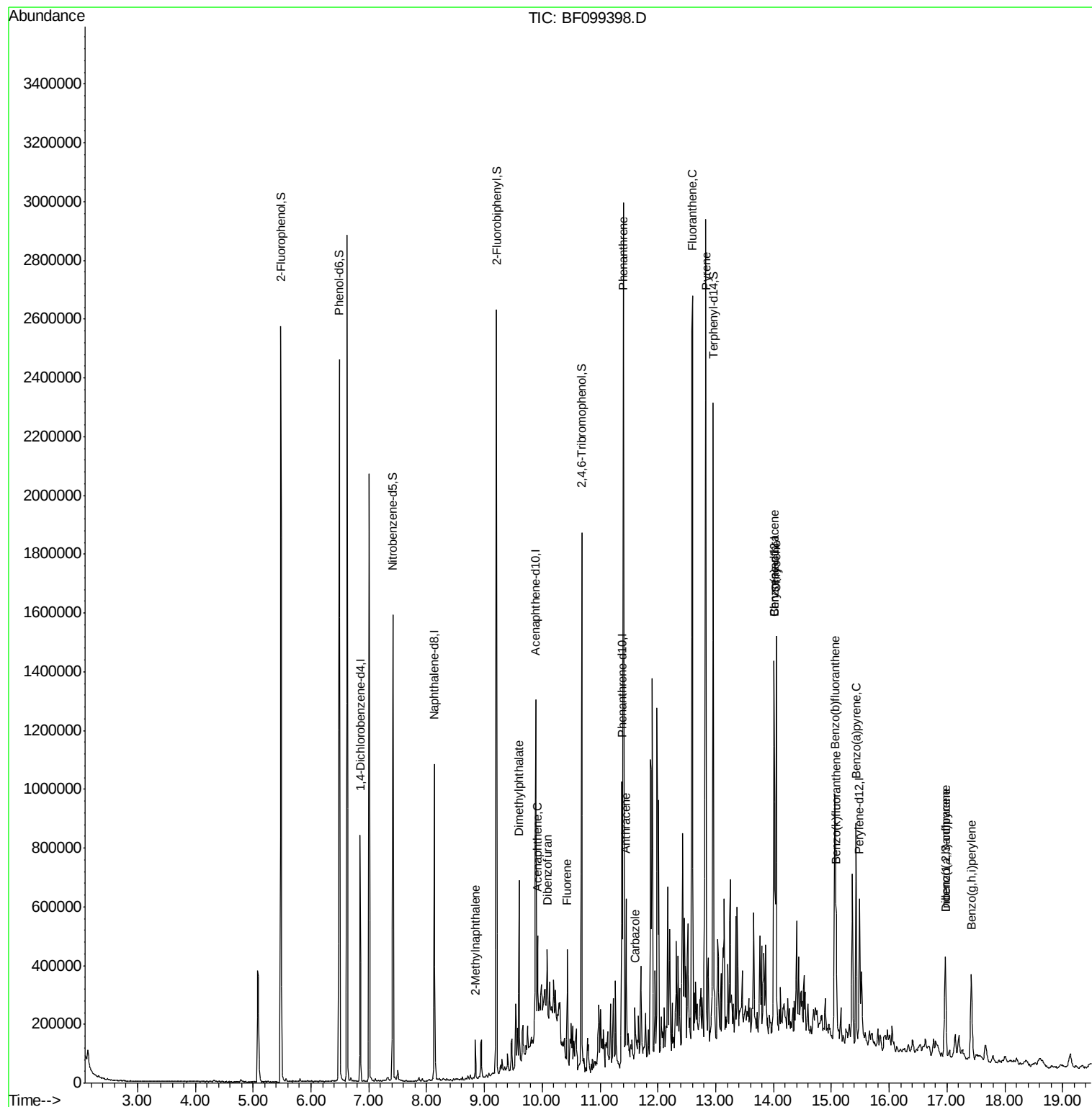
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099398.D
Acq On : 12 Oct 2017 16:50
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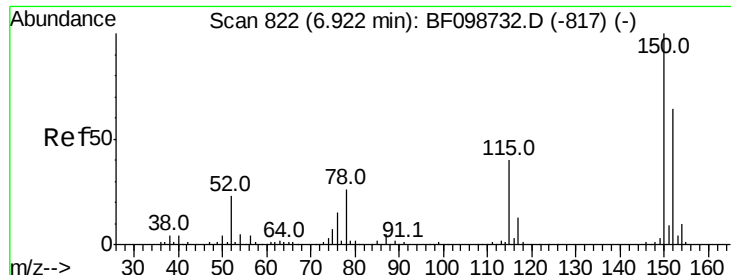
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

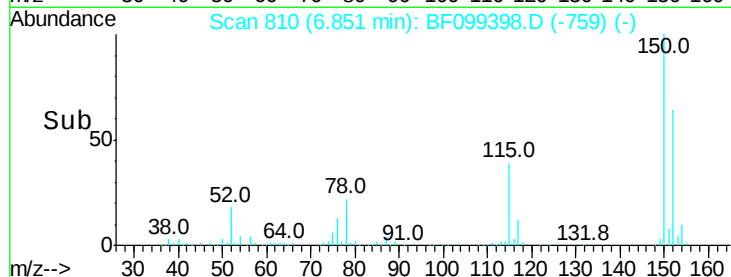
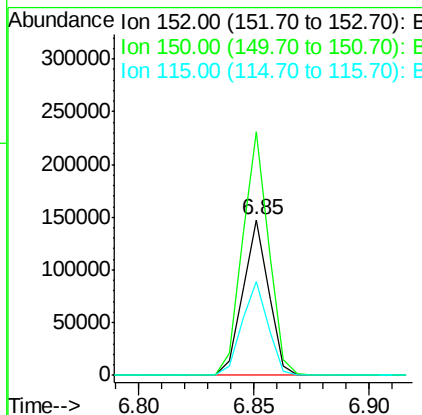
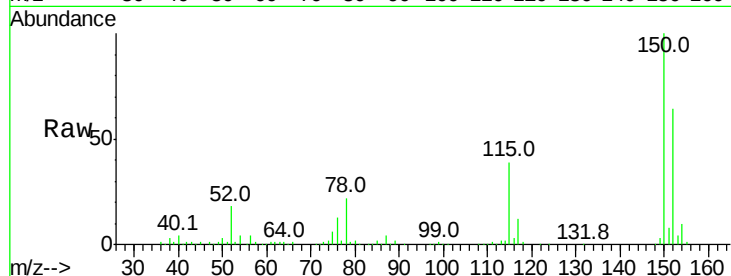
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	60.8	50.1	75.1

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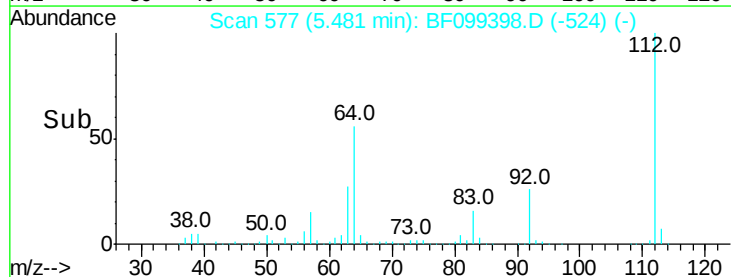
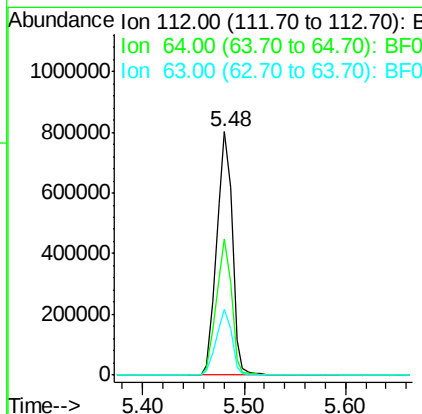
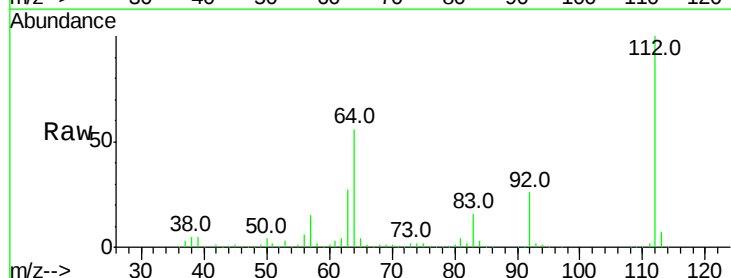
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#5

2-Fluorophenol
Concen: 118.778 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	26.8	23.7	35.5





#7

Phenol-d6

Concen: 119.233 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

ClientSampleId :

B-18(0-10)COMP

Tot Ion: 99 Resp: 1065616

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

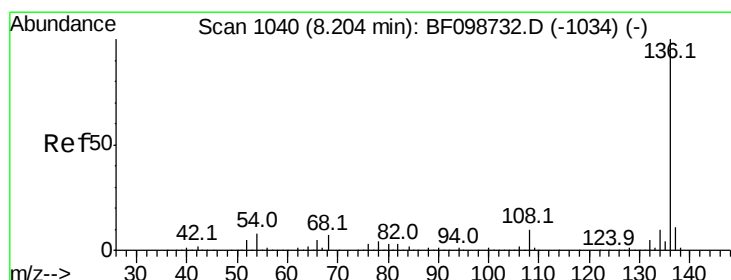
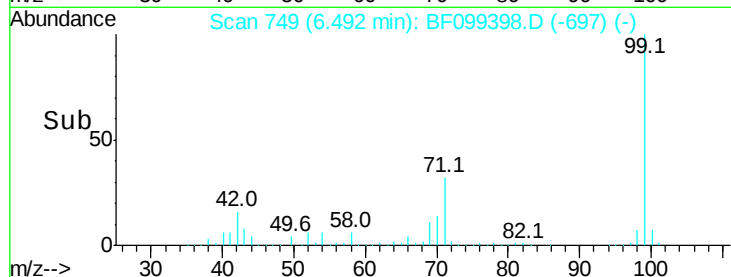
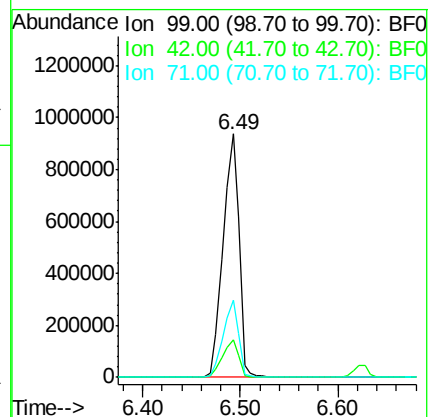
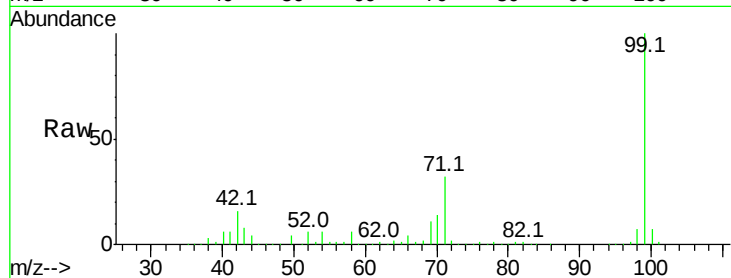
71 31.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion: 136 Resp: 476751

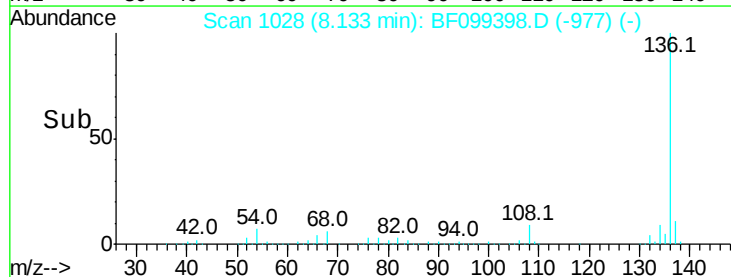
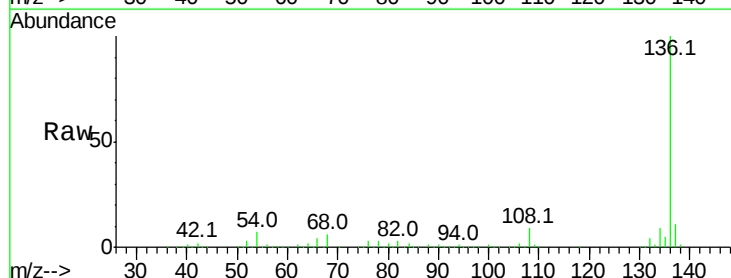
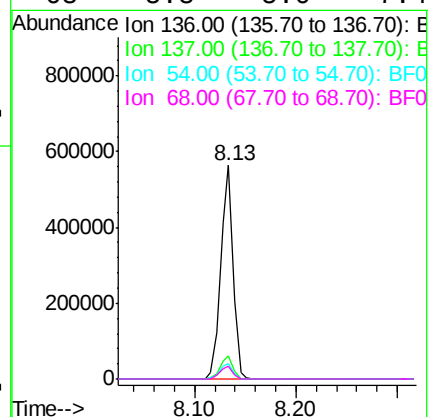
Ion Ratio Lower Upper

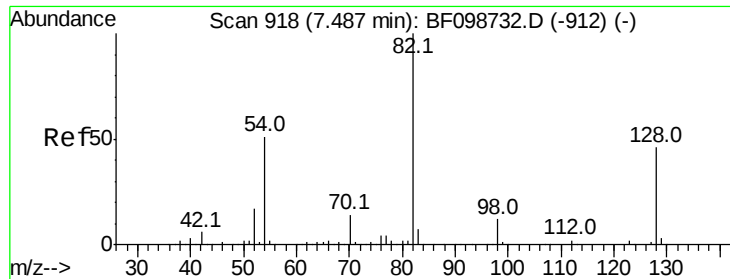
136 100

137 10.8 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4





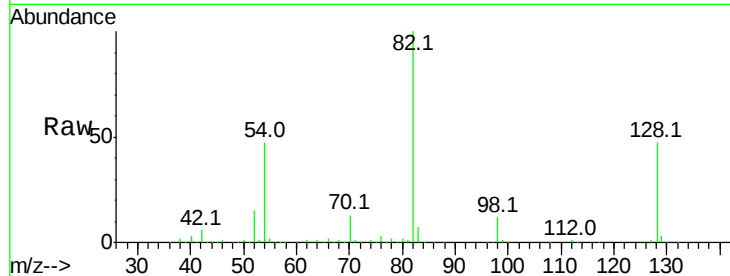
#23
Nitrobenzene-d5
Concen: 84.213 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

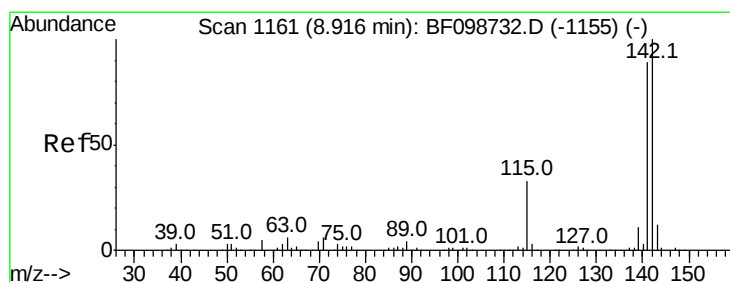
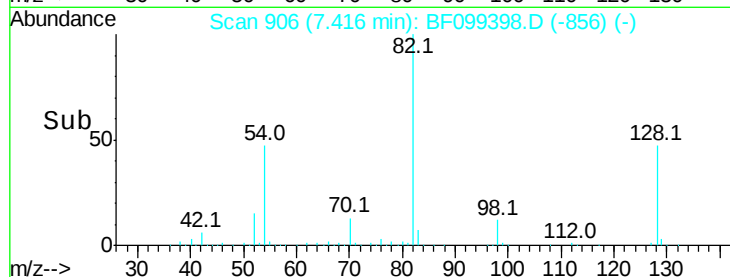
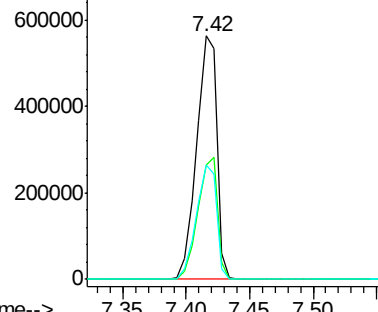
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	46.9	41.4	62.2

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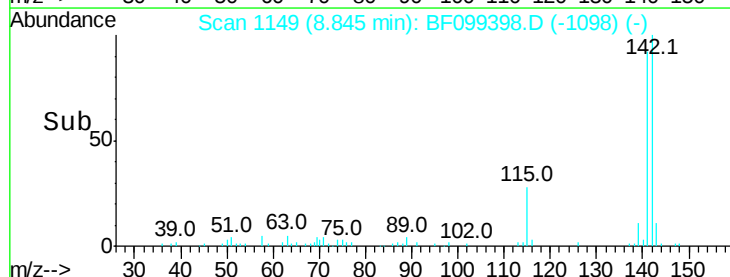
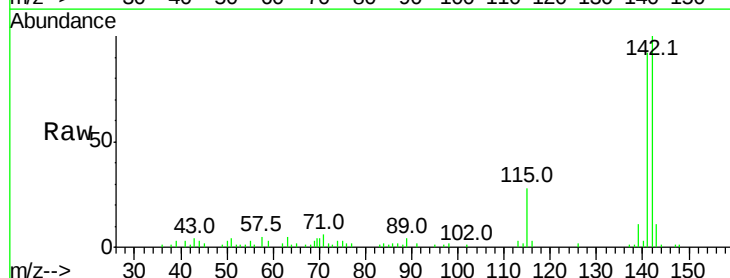
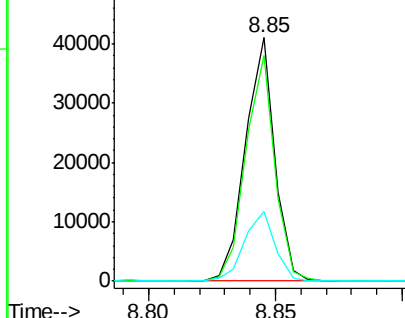
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

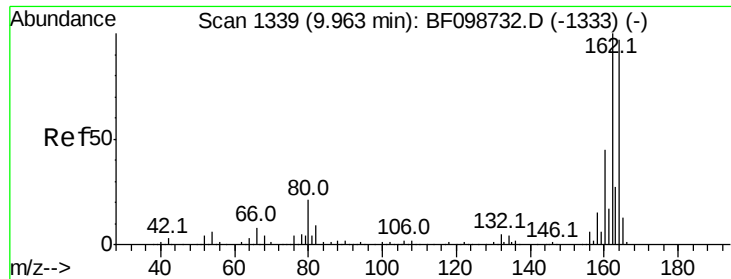


#37
2-Methylnaphthalene
Concen: 2.266 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	70.8	106.2
115	28.5	26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): B
Ion 141.00 (140.70 to 141.70): B
Ion 115.00 (114.70 to 115.70): B





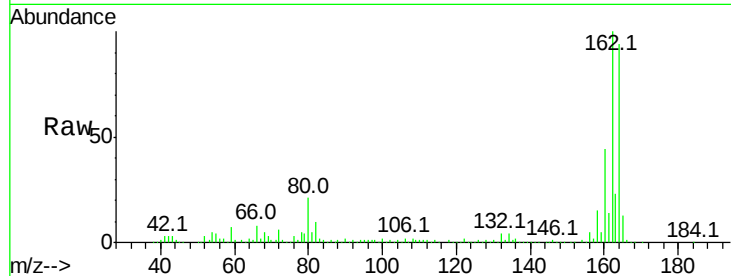
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

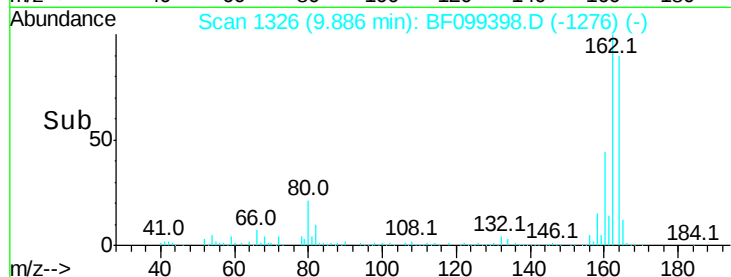
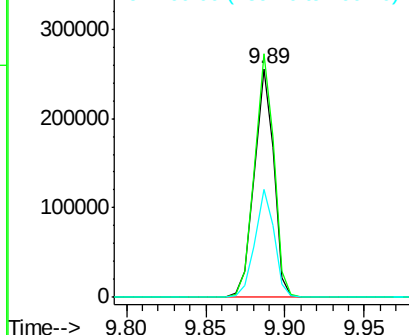
Tot Ion	Ratio	Resp	Lower	Upper
164	100	217719		
162	106.5	86.1	129.1	
160	47.1	38.3	57.5	

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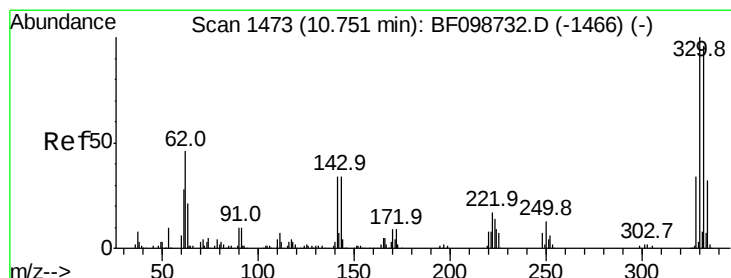


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

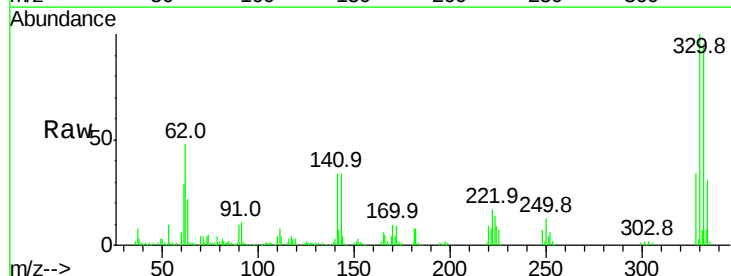
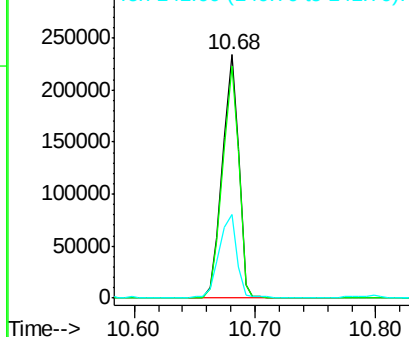


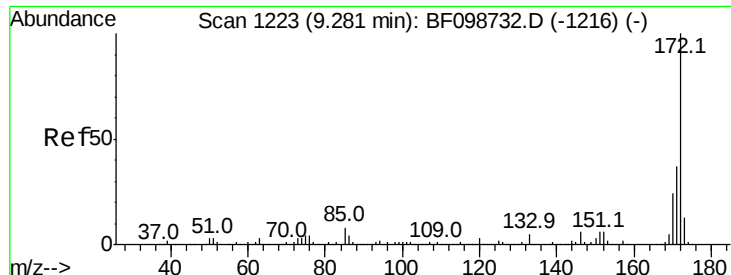
#41
2,4,6-Tribromophenol
Concen: 123.390 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	219823		
332	95.1	77.0	115.6	
141	37.0	29.9	44.9	



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





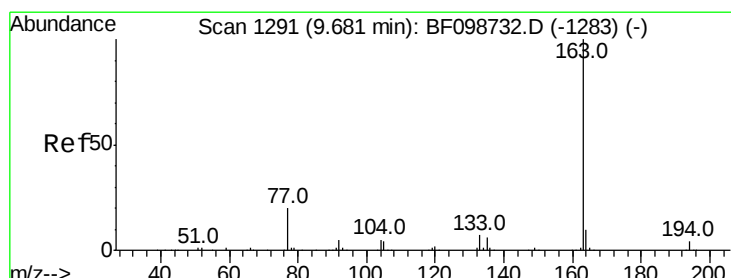
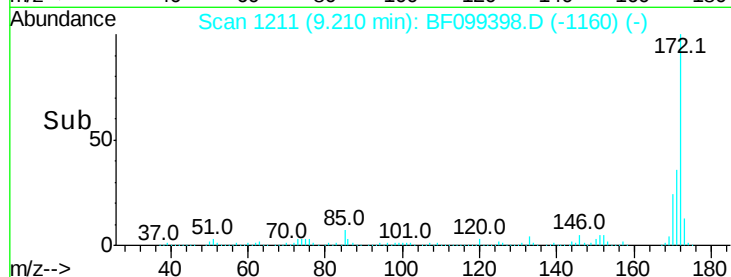
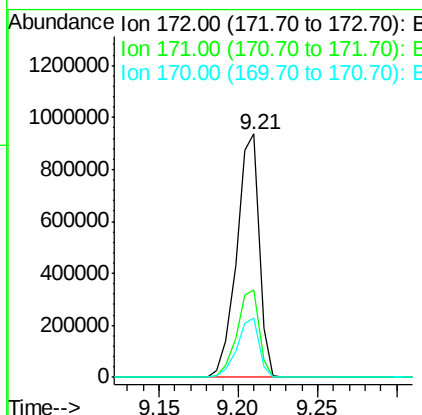
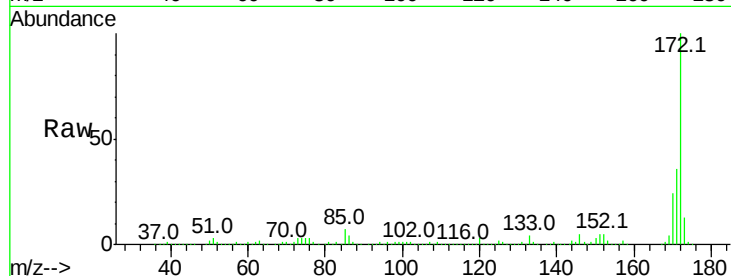
#44
2-Fluorobiphenyl
Concen: 70.416 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	918340		
171	36.1		29.7	44.5
170	24.1		19.6	29.4

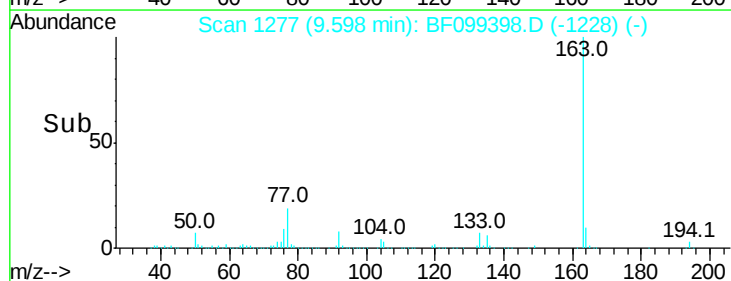
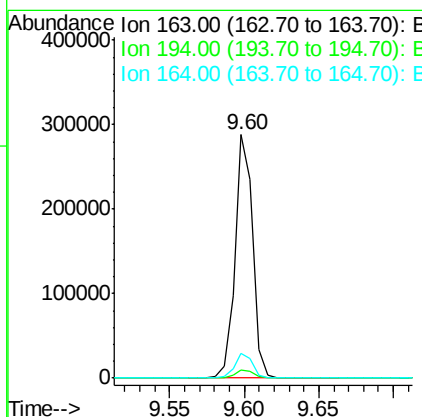
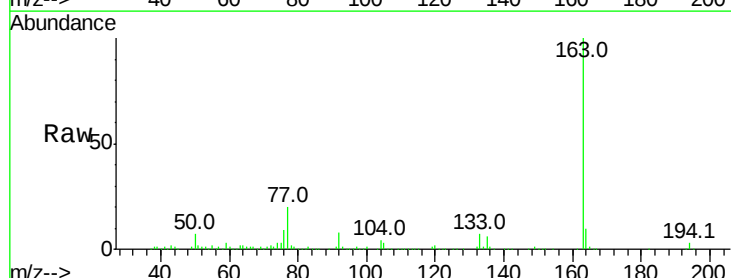
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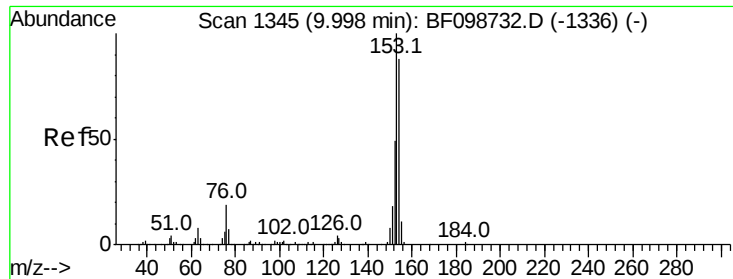
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#49
Dimethylphthalate
Concen: 14.571 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	239427		
194	3.2		2.7	4.1
164	10.3		8.2	12.2





#51

Acenaphthene

Concen: 4.296 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

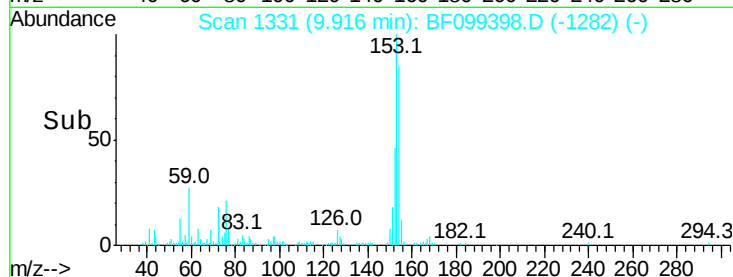
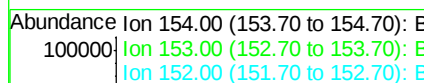
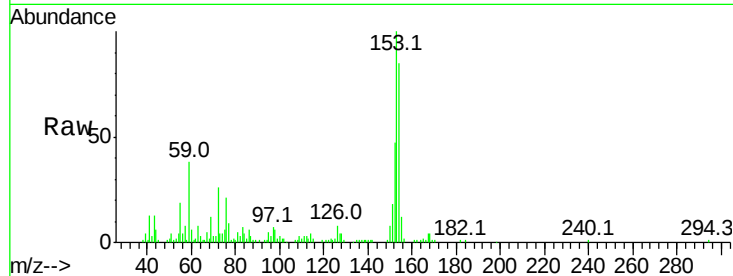
ClientSampleId :

B-18(0-10)COMP

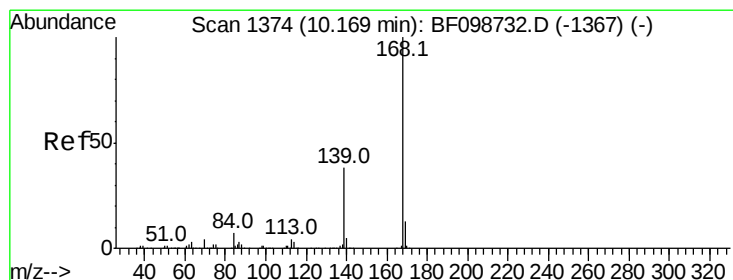
Tot Ion:	154	Resp:	58520
Ion Ratio	Lower	Upper	
154	100		
153	117.5	91.2	136.8
152	55.4	43.8	65.8

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Time-->



#54

Dibenzofuran

Concen: 2.427 ng

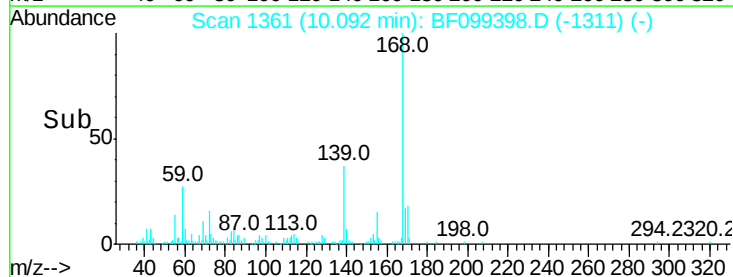
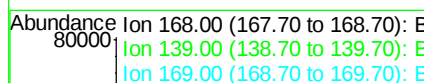
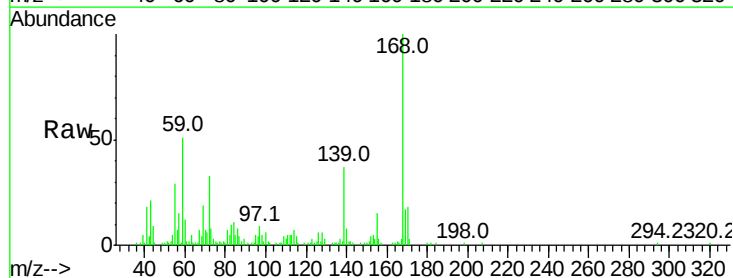
RT: 10.09 min Scan# 1361

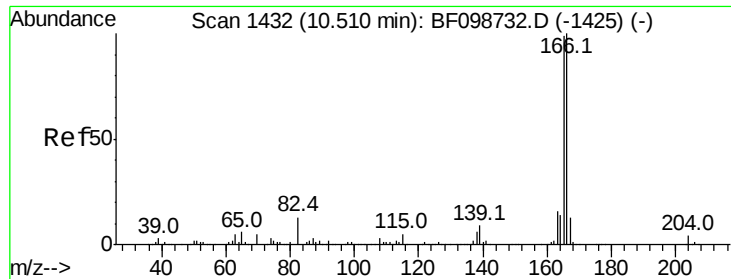
Delta R.T. -0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion:	168	Resp:	44026
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.1	45.1
169	16.9	10.9	16.3#





#57

Fluorene

Concen: 6.608 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

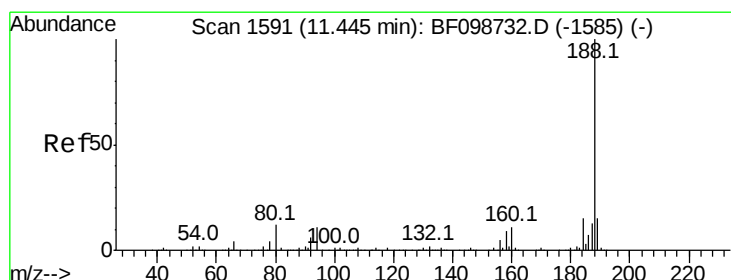
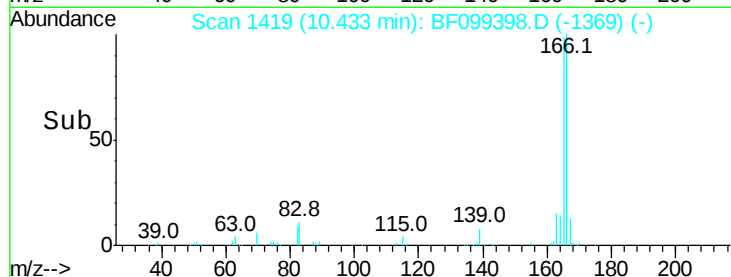
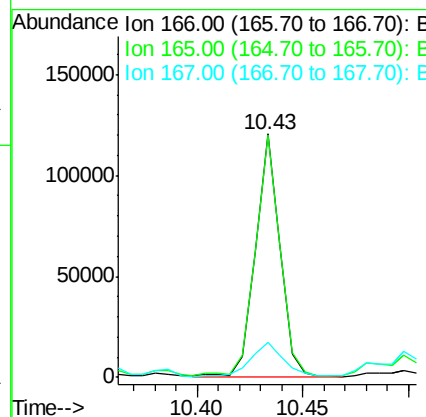
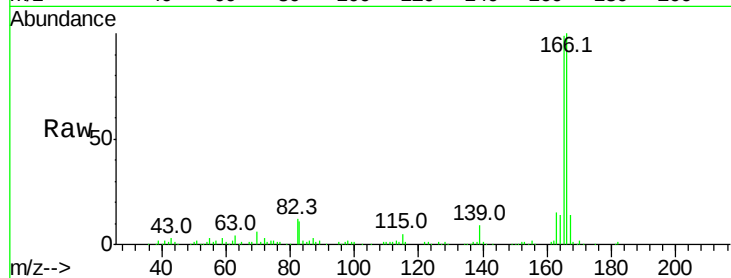
ClientSampleId :

B-18(0-10)COMP

Tot Ion:	166	Resp:	96339
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.8	119.8
167	14.2	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

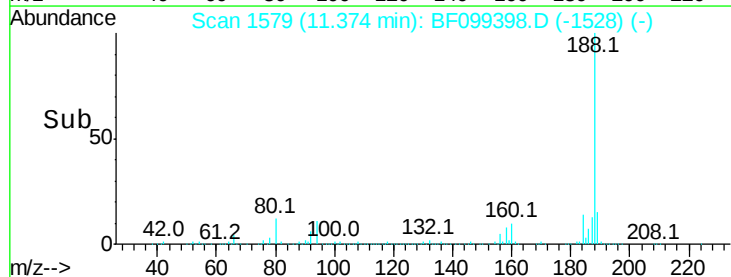
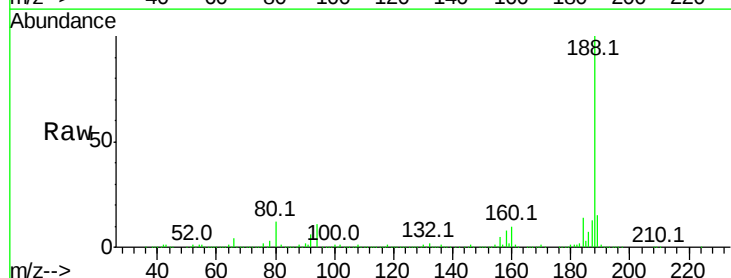
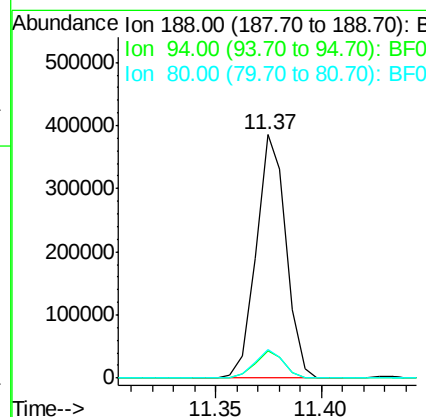
RT: 11.37 min Scan# 1579

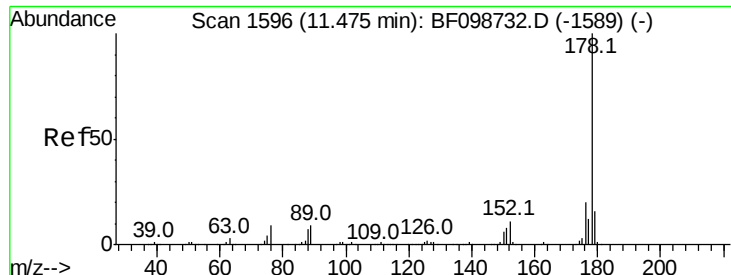
Delta R.T. -0.00 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion:	188	Resp:	377701
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	11.7	9.2	13.8





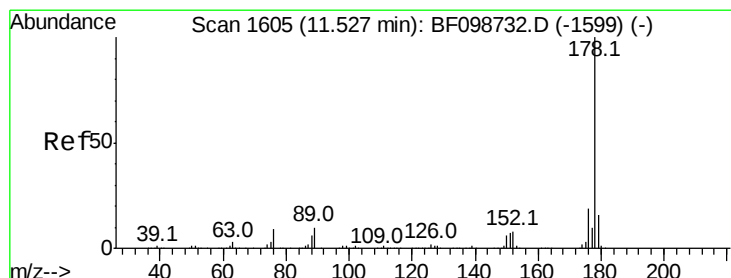
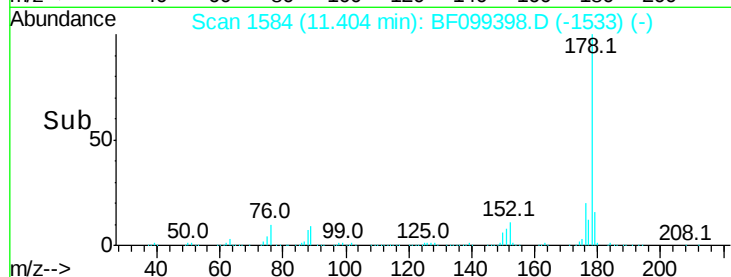
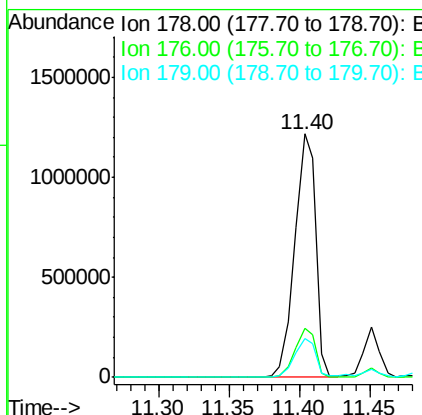
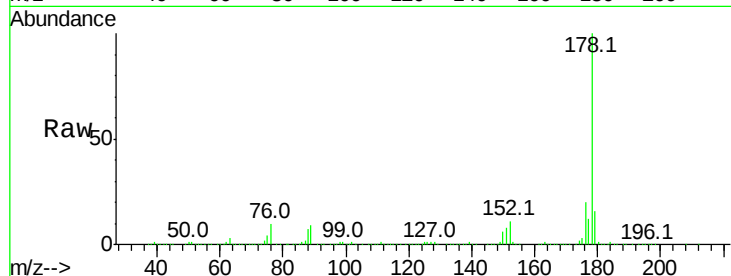
#70
Phenanthrene
Concen: 61.902 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

Tot Ion:178 Resp: 1251496
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.8 13.0 19.6

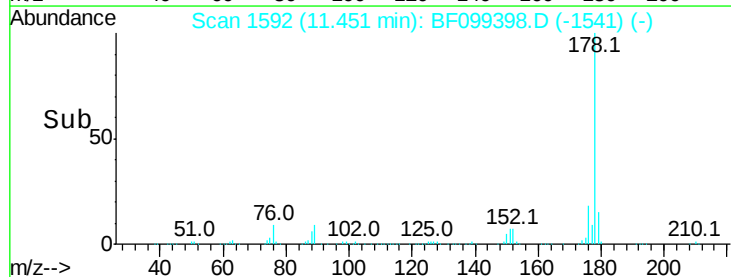
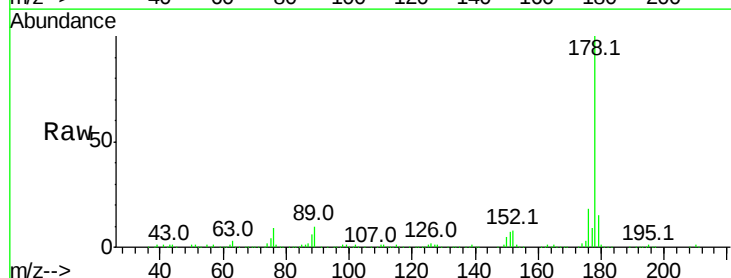
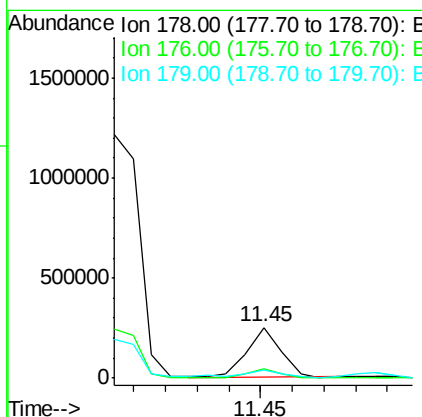
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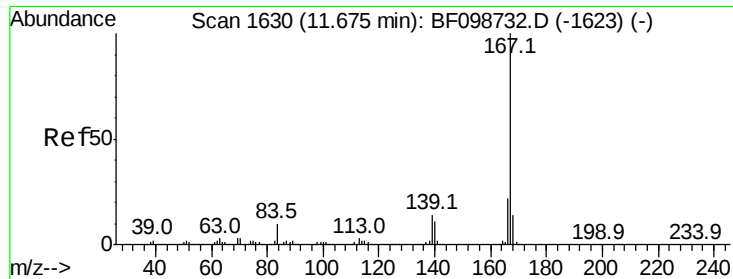
Sohil
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#71
Anthracene
Concen: 8.815 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion:178 Resp: 182340
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 14.8 12.6 19.0





#72

Carbazole

Concen: 2.719 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

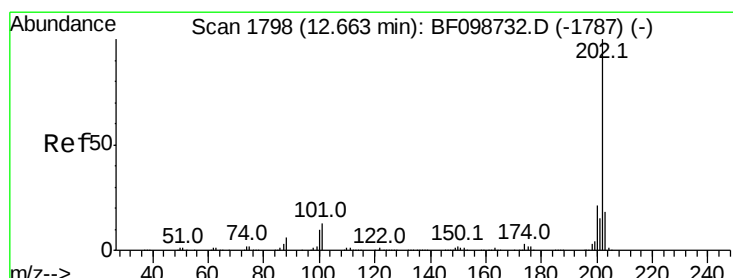
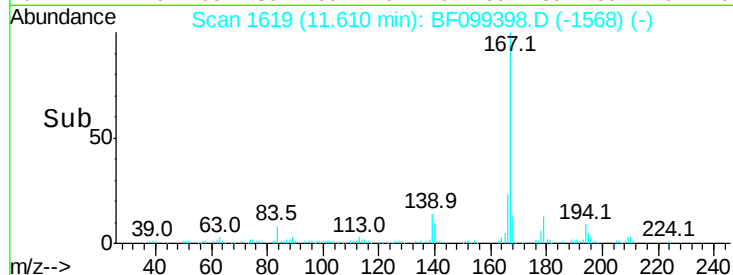
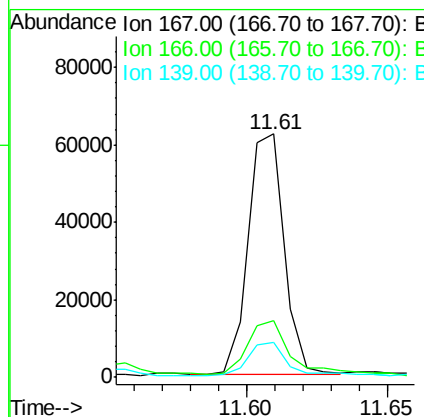
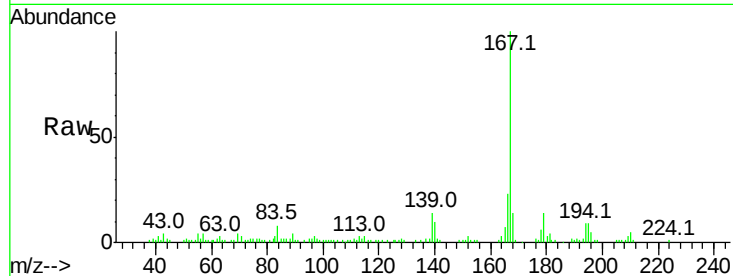
ClientSampleId :

B-18(0-10)COMP

Tot Ion:	167	Resp:	55089
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.6	26.4
139	14.2	10.9	16.3

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#74

Fluoranthene

Concen: 52.766 ng

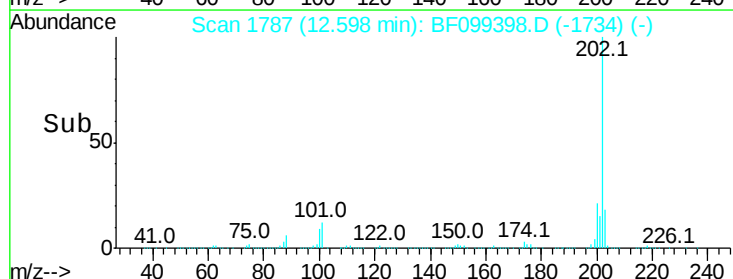
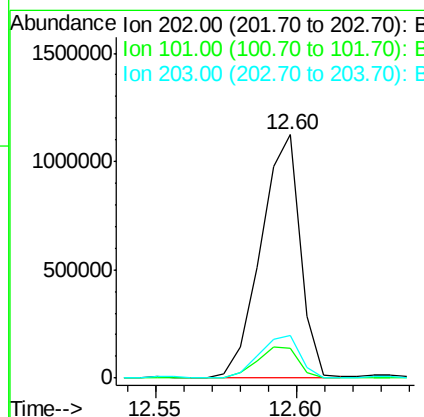
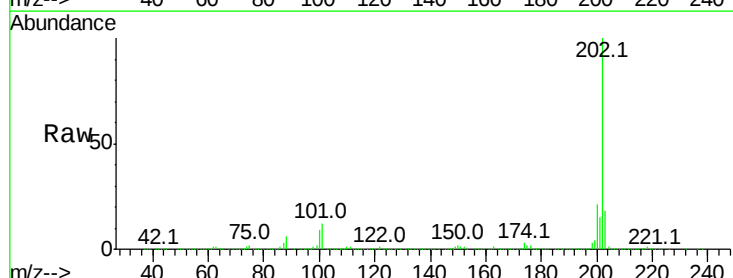
RT: 12.60 min Scan# 1787

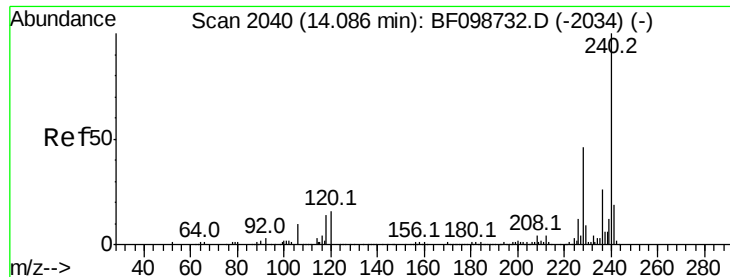
Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion:	202	Resp:	1080243
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	34.1
203	17.6	0.0	38.1





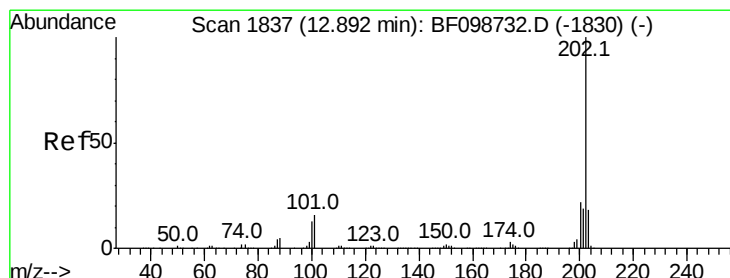
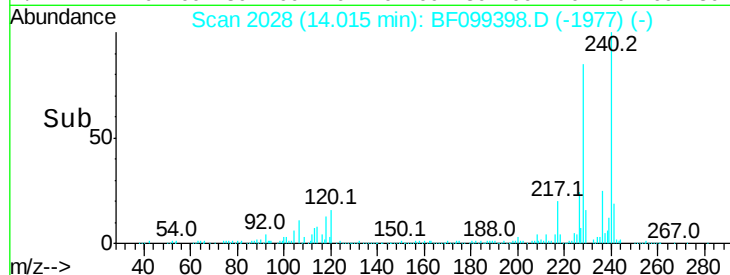
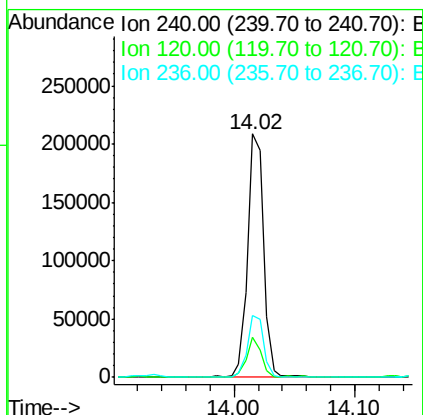
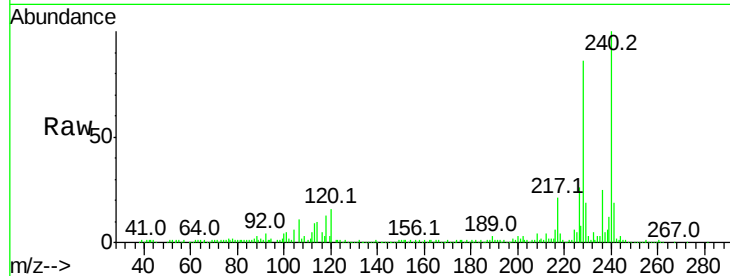
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.5	14.3
236	25.4	20.7	31.1

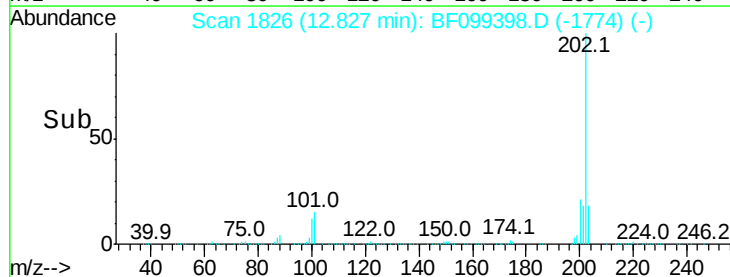
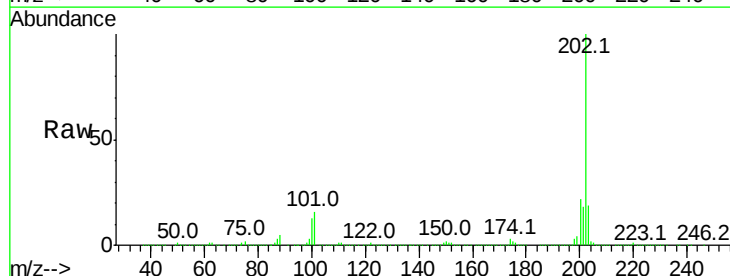
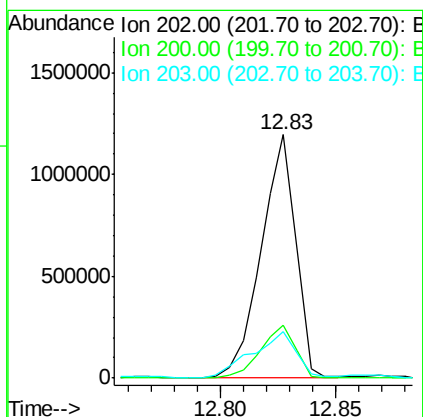
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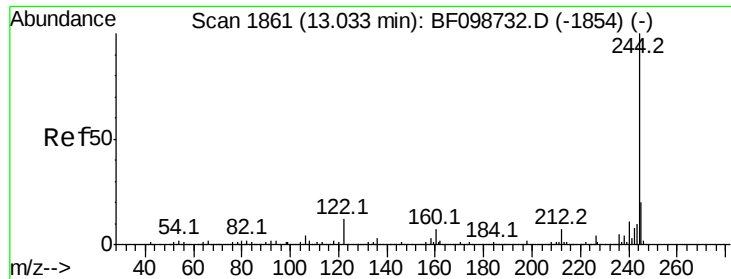
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#77
Pyrene
Concen: 83.304 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.9	14.3	21.5





#78

Terphenyl-d14

Concen: 83.168 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

ClientSampled :

B-18(0-10)COMP

Tot Ion:244 Resp: 712649

Ion Ratio Lower Upper

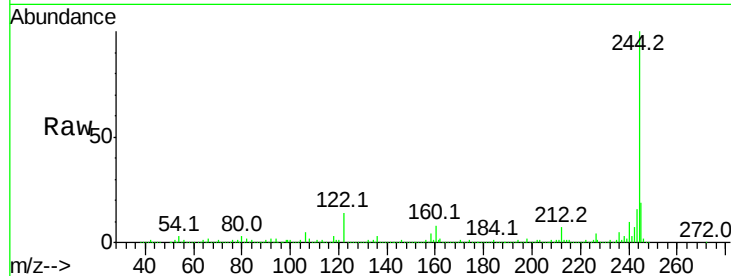
244 100

212 7.0 5.4 8.0

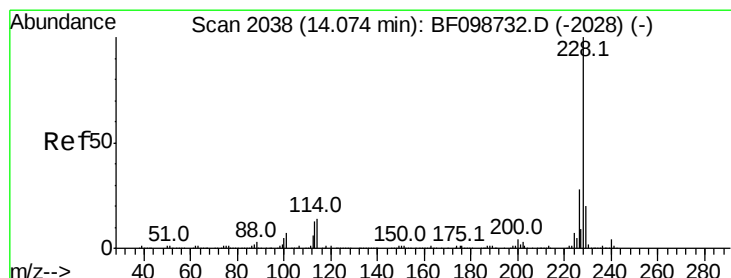
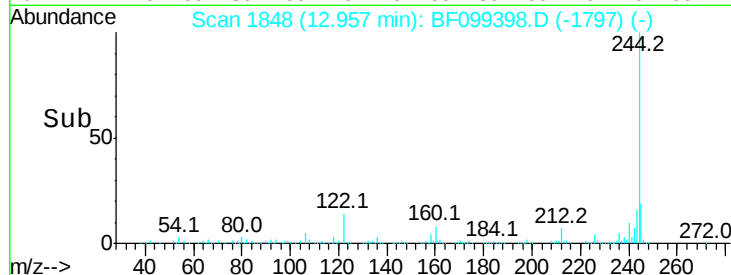
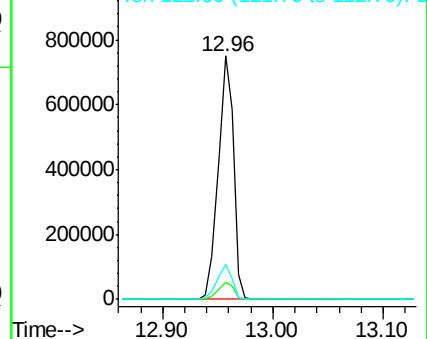
122 14.1 11.0 16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 36.435 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

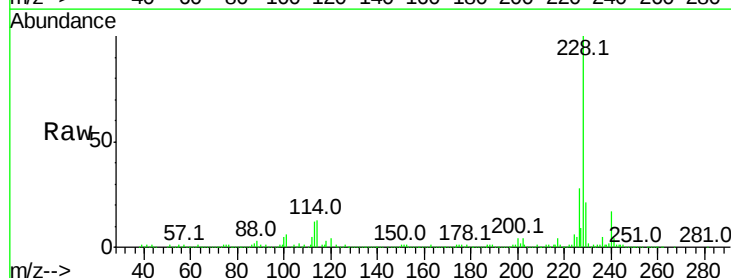
Tgt Ion:228 Resp: 429925

Ion Ratio Lower Upper

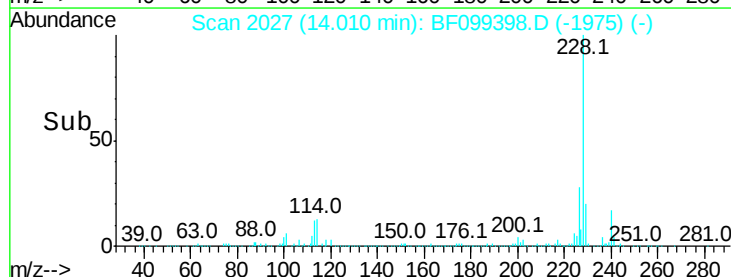
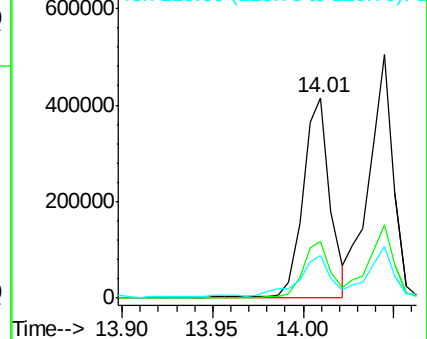
228 100

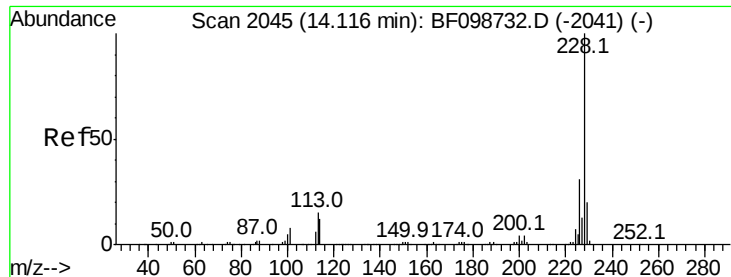
226 28.5 22.6 33.8

229 21.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 42.030 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Instrument :

BNA_F

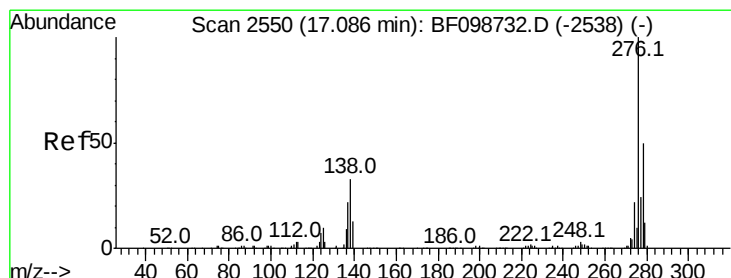
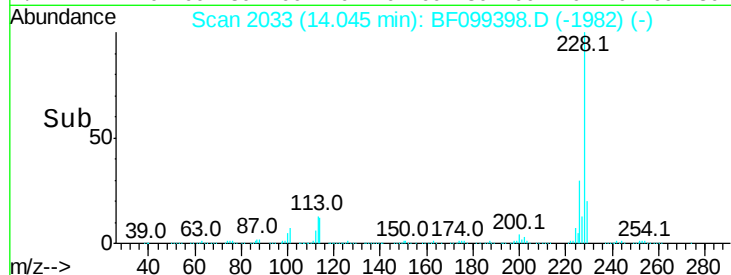
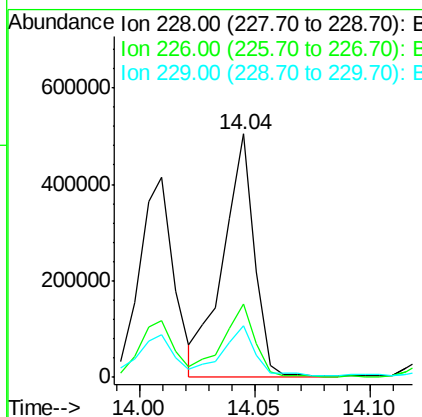
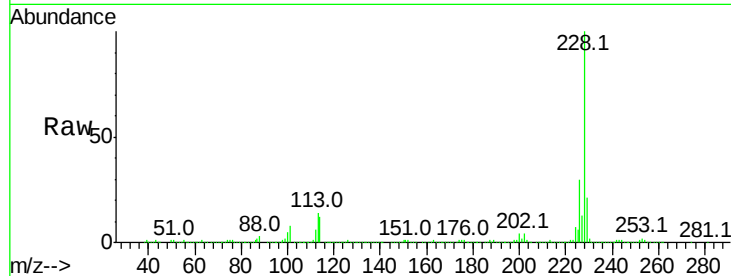
ClientSampleId :

B-18(0-10)COMP

Tot Ion:	228	Resp:	472165
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.3	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 22.894 ng

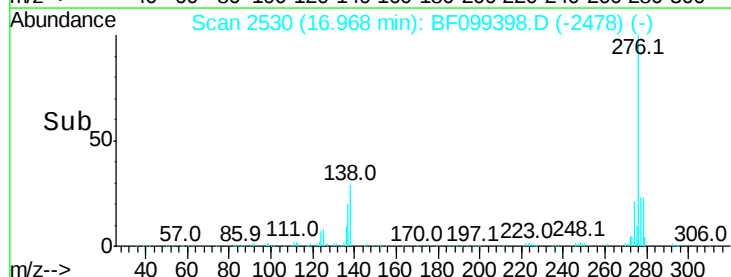
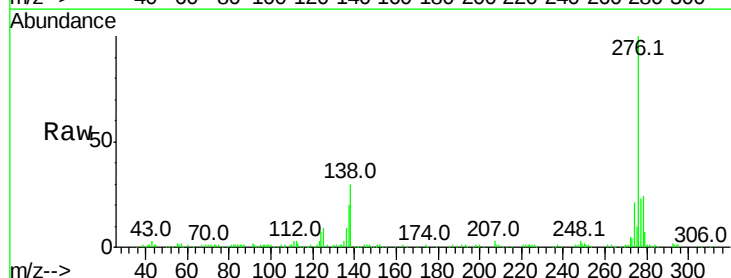
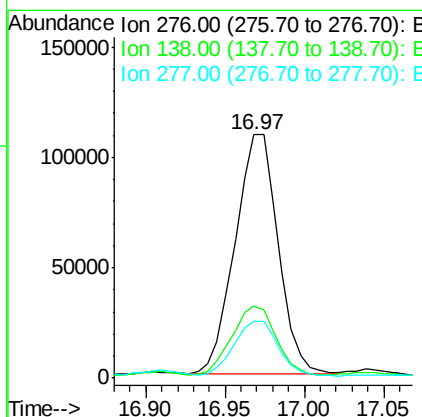
RT: 16.97 min Scan# 2530

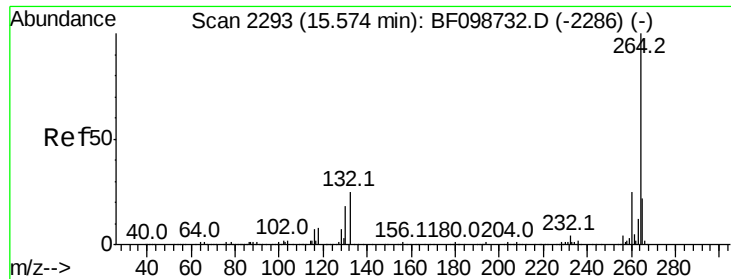
Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion:	276	Resp:	205742
Ion Ratio	Lower	Upper	
276	100		
138	30.3	25.0	37.6
277	23.9	20.1	30.1





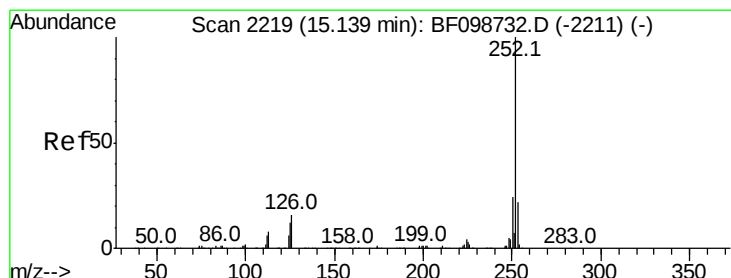
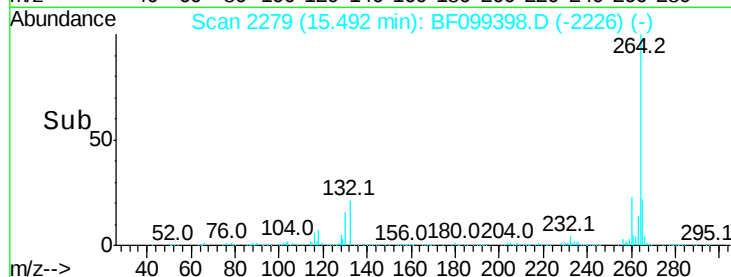
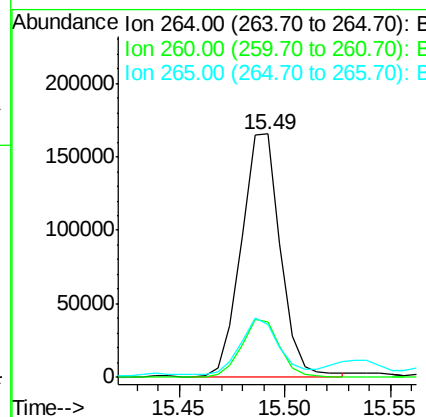
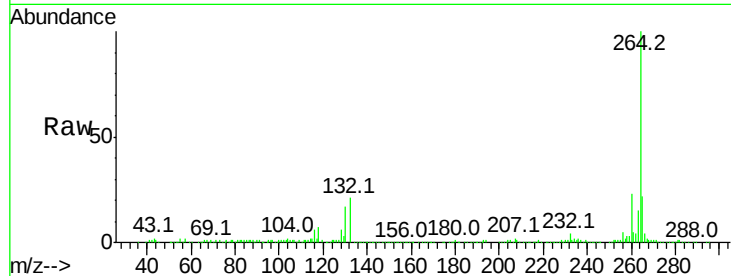
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099398.D
 Acq: 12 Oct 2017 16:50

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.0	17.5	26.3

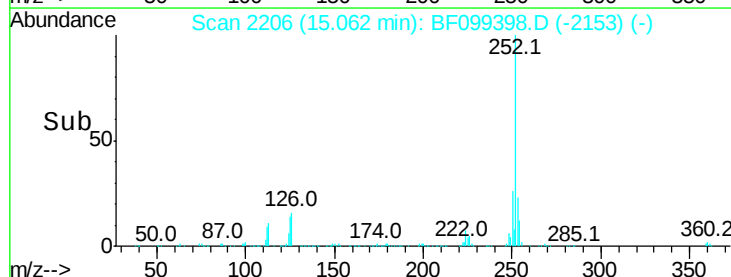
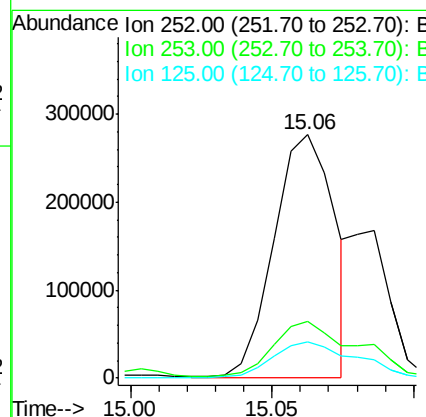
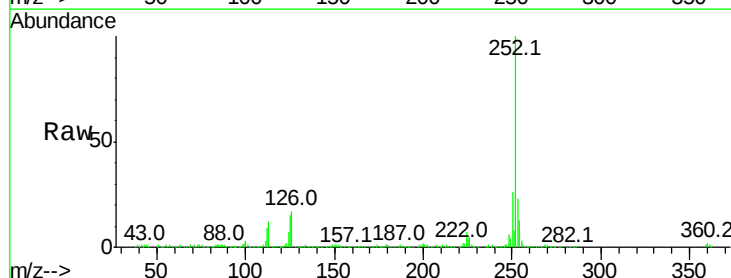
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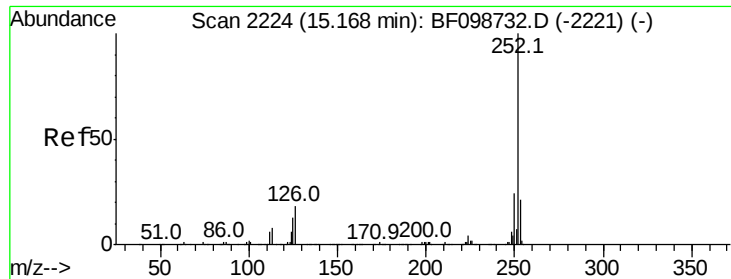
Sohil
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#87
 Benzo(b)fluoranthene
 Concen: 31.675 ng m
 RT: 15.06 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: BF099398.D
 Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	14.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 12.041 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

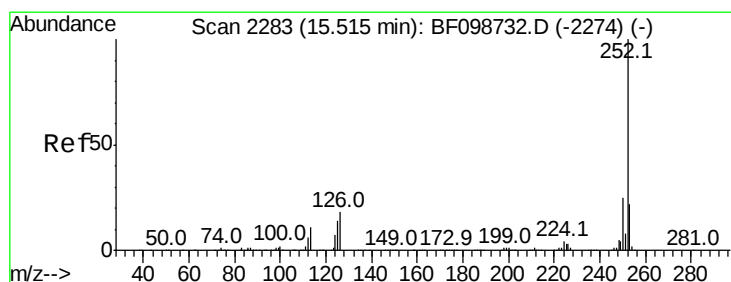
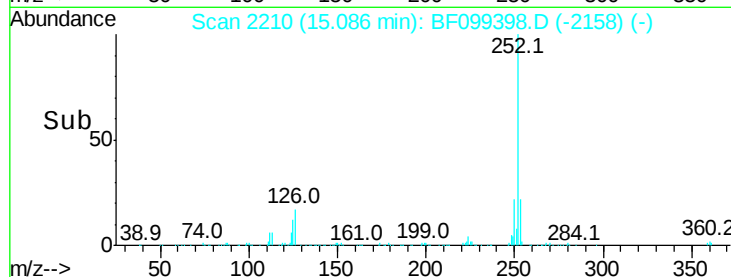
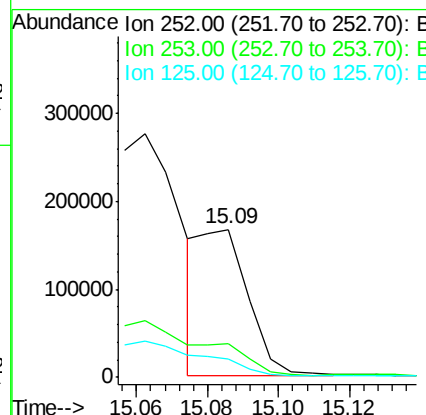
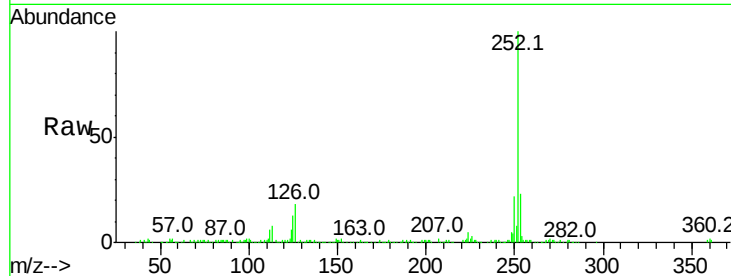
Instrument :
BNA_F

Client Sampled :
B-18(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.7	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 28.798 ng

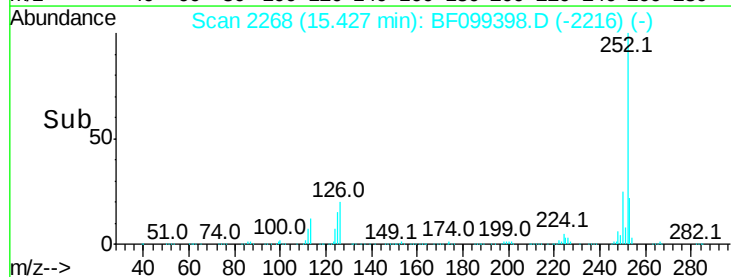
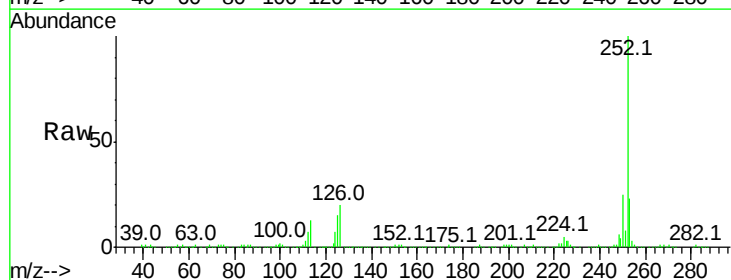
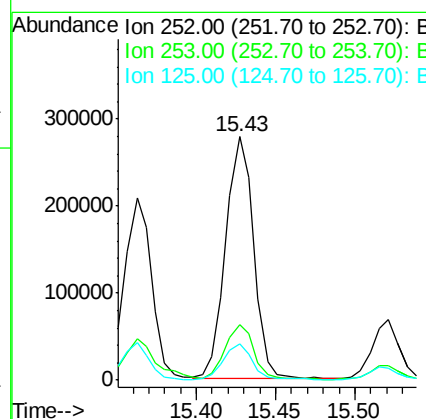
RT: 15.43 min Scan# 2268

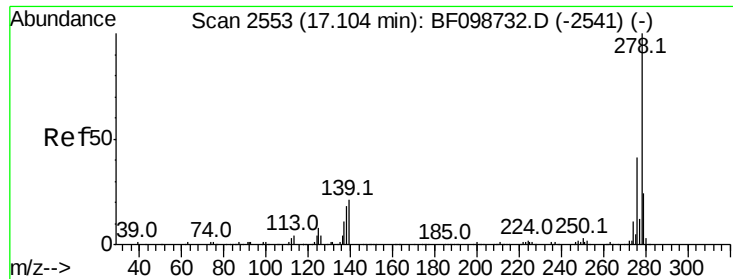
Delta R.T. 0.01 min

Lab File: BF099398.D

Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.0	9.8	14.6





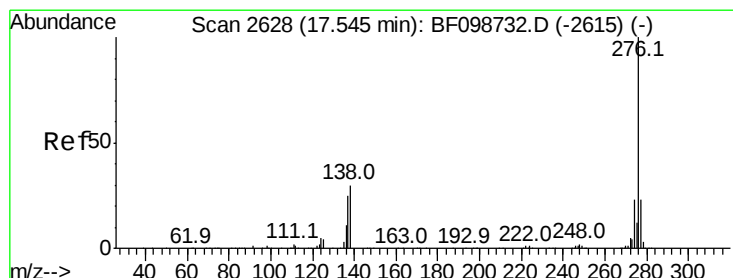
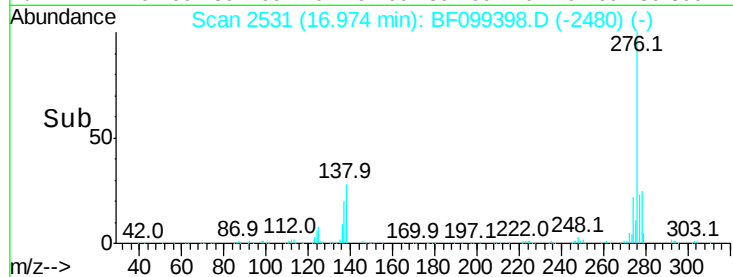
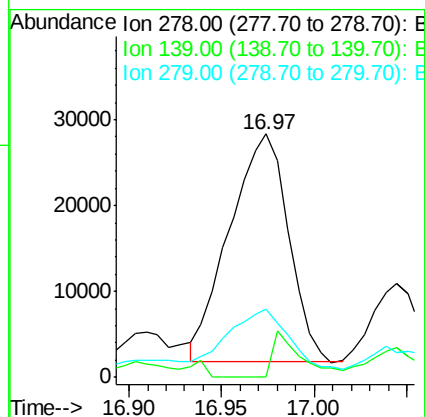
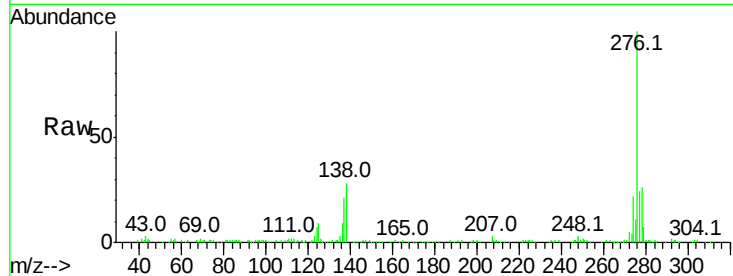
#90
Dibenzo(a,h)anthracene
Concen: 6.152 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.1	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 23.281 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF099398.D
Acq: 12 Oct 2017 16:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	31.3	21.8	32.8

