

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098804.D
 Acq On : 26 Sep 2017 1:21
 Operator : SJ/JU
 Sample : I5394-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-50

Manual Integrations
 APPROVED

Sohil
 9/26/2017 4:59:44 PM

Quant Time: Sep 26 08:05:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	159685	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	687471	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	324110	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	564490	20.00	ng	0.00
75) Chrysene-d12	14.08	240	311407	20.00	ng	0.00
86) Perylene-d12	15.57	264	302242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1527253	152.25	ng	0.00
7) Phenol-d6	6.55	99	1952168	157.76	ng	0.00
23) Nitrobenzene-d5	7.48	82	1212481	113.11	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	314976	118.76	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	2082495	107.26	ng	0.00
78) Terphenyl-d14	13.03	244	1680836	122.75	ng	0.00
Target Compounds						
10) Phenol	6.56	94	42137	3.045	ng	93
48) Acenaphthylene	9.81	152	446232	13.938	ng	100
49) Dimethylphthalate	9.66	163	214821	8.782	ng	99
70) Phenanthrene	11.46	178	130761	4.328	ng	99
71) Anthracene	11.51	178	106385	3.441	ng	97
74) Fluoranthene	12.65	202	656054	21.442	ng	99
77) Pyrene	12.88	202	714490	30.089	ng	99
80) Benzo(a)anthracene	14.07	228	397344m	21.072	ng	
82) Chrysene	14.10	228	499728	27.837	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	525097	36.565	ng	97
87) Benzo(b)fluoranthene	15.14	252	839241m	45.162	ng	
88) Benzo(k)fluoranthene	15.16	252	287430m	15.660	ng	
89) Benzo(a)pyrene	15.52	252	535311	31.382	ng	96
90) Dibenzo(a,h)anthracene	17.09	278	120762m	8.846	ng	
91) Benzo(a,h,i)perylene	17.55	276	558733	41.406	ng	94

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

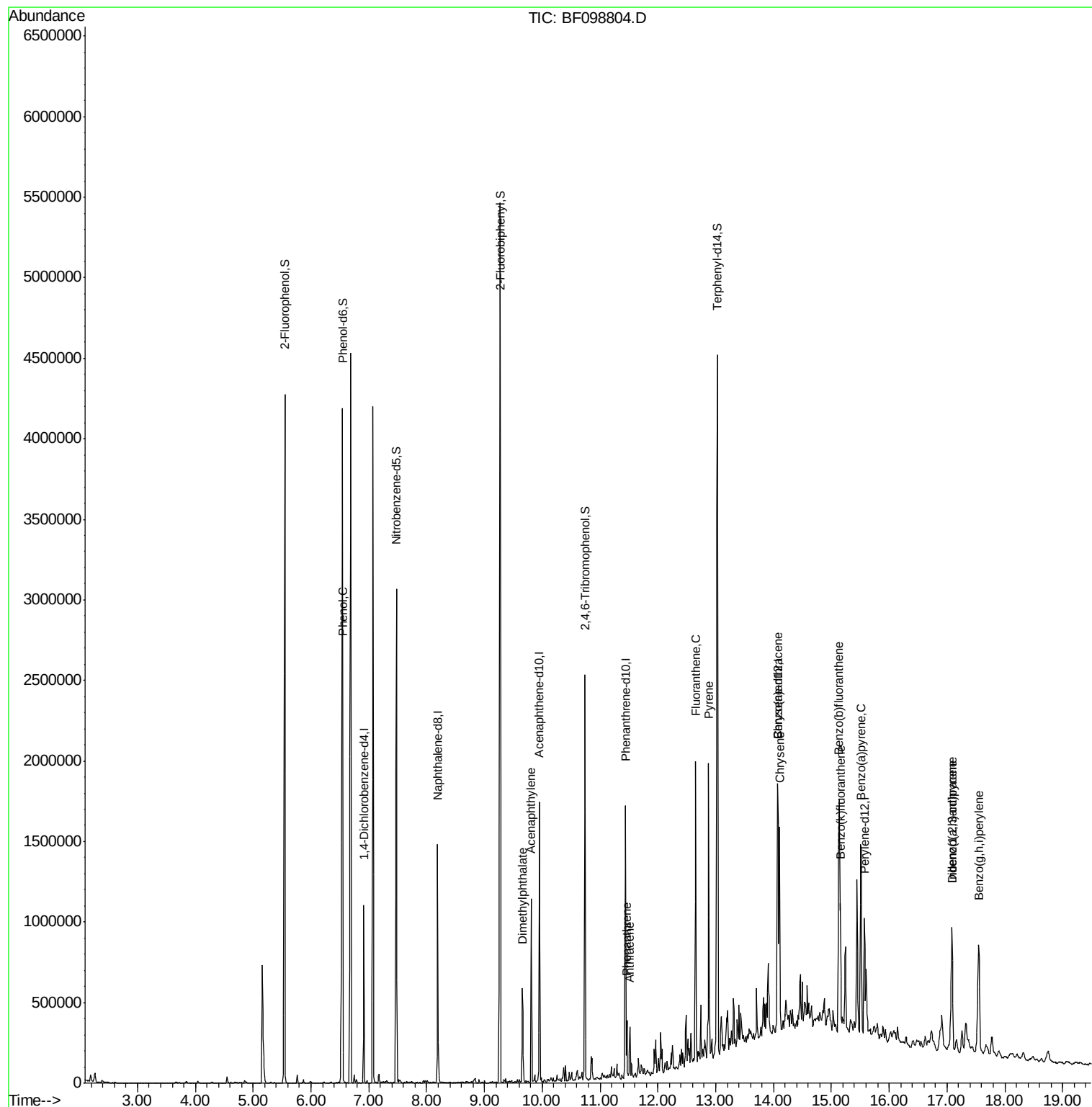
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
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ALS Vial : 20 Sample Multiplier: 1

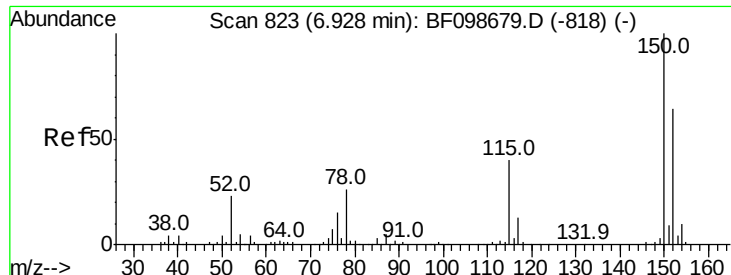
Instrument :
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ClientSampleId :
15-50

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#1

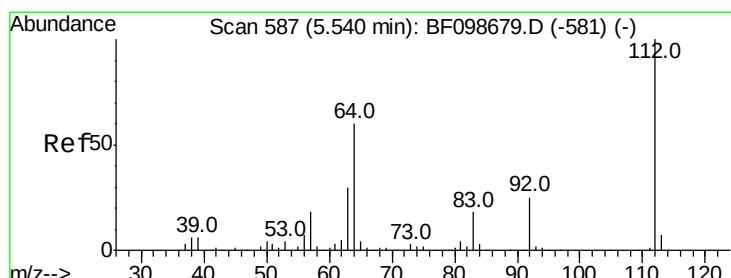
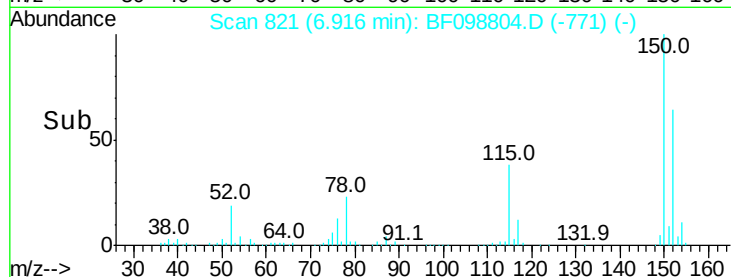
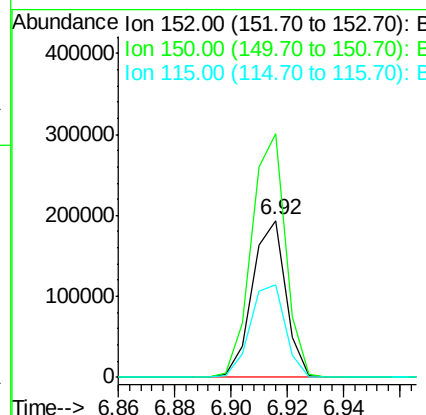
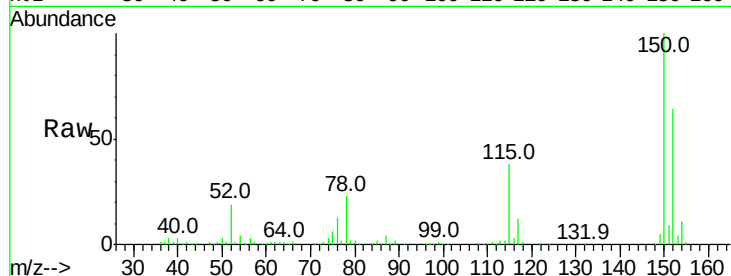
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampled :
15-50

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	58.7	50.1	75.1

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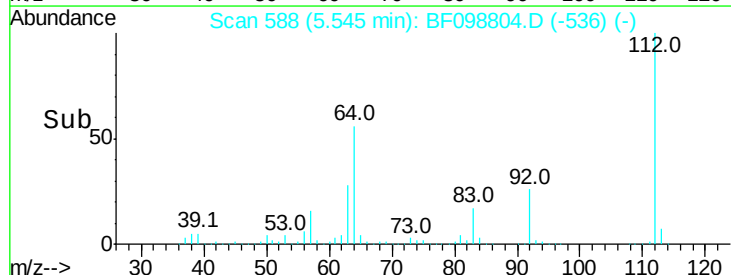
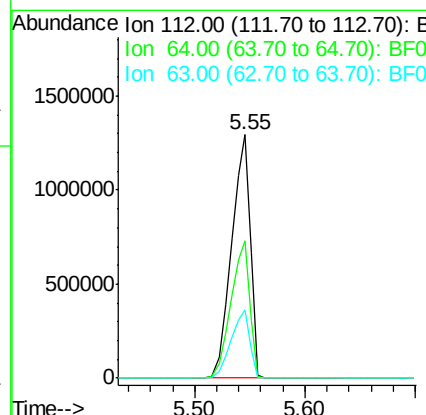
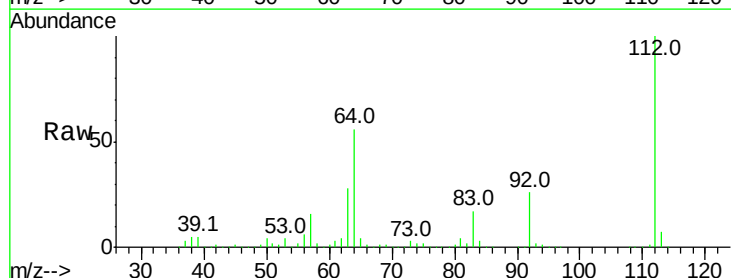
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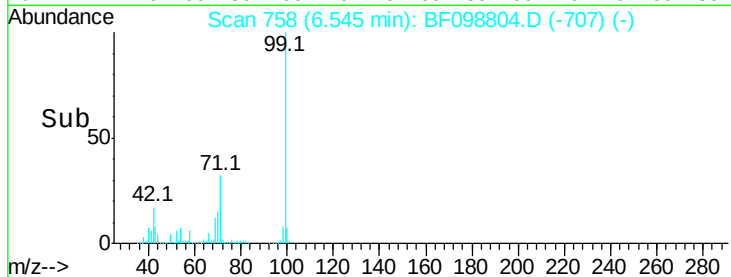
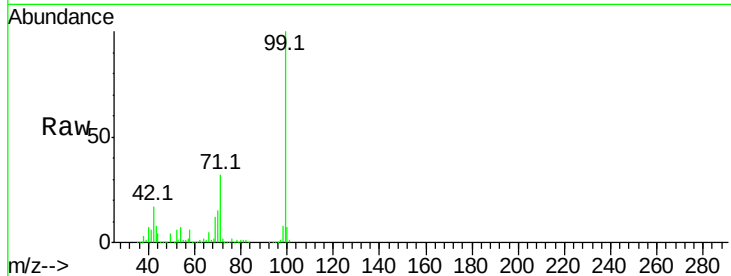
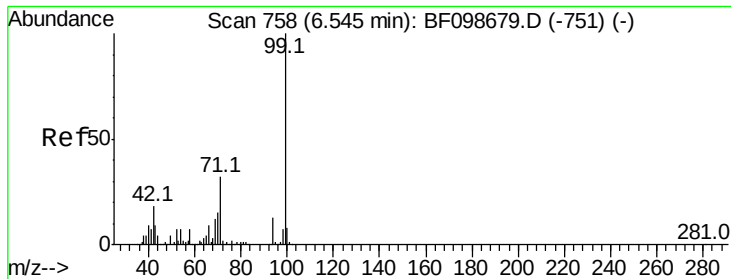


#5

2-Fluorophenol
Concen: 152.252 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 157.758 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tot Ion:	99	Resp:	1952168
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.5	21.7
71	32.2	25.4	38.0

Instrument :

BNA_F

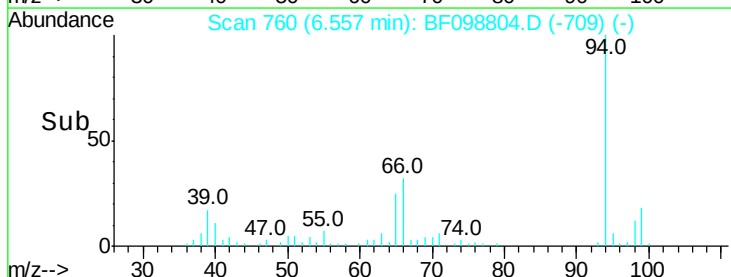
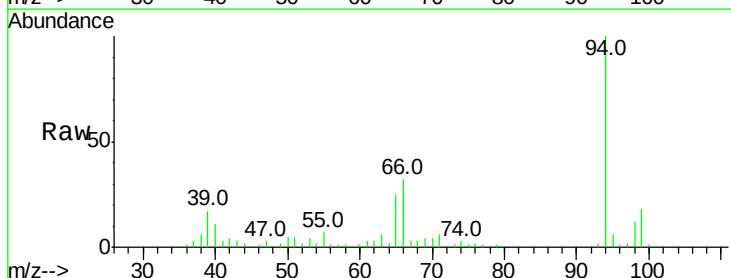
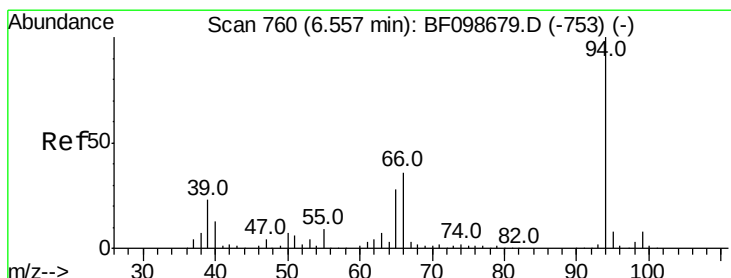
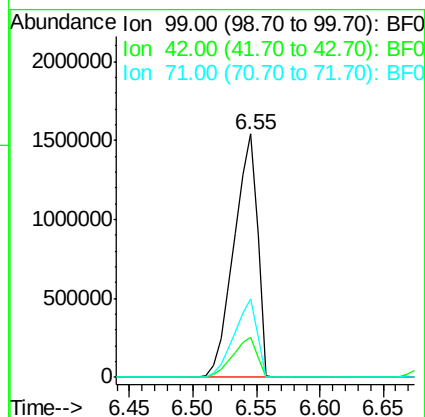
ClientSampleId :

15-50

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#10

Phenol

Concen: 3.045 ng

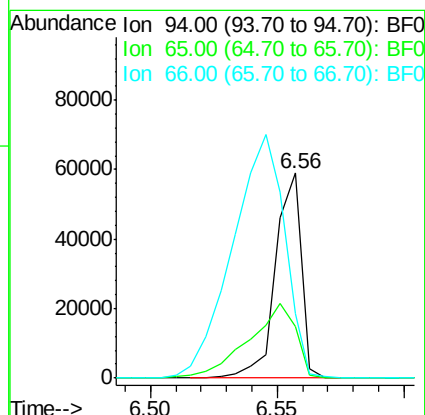
RT: 6.56 min Scan# 760

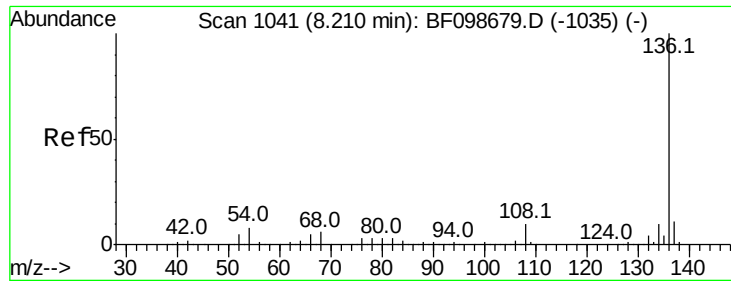
Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion:	94	Resp:	42137
Ion	Ratio	Lower	Upper
94	100		
65	24.9	7.9	47.9
66	31.6	16.2	56.2





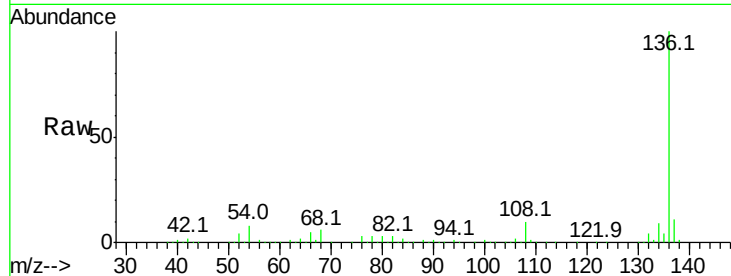
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampled :
15-50

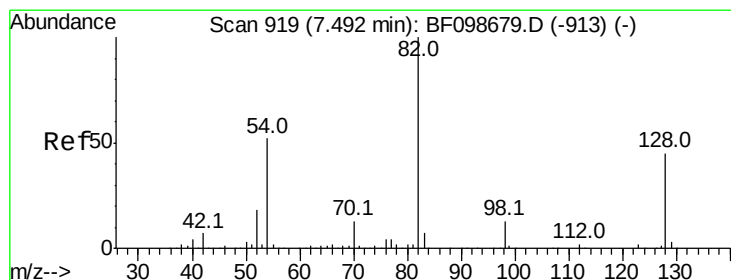
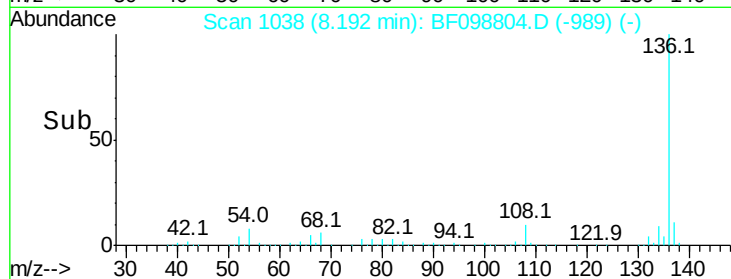
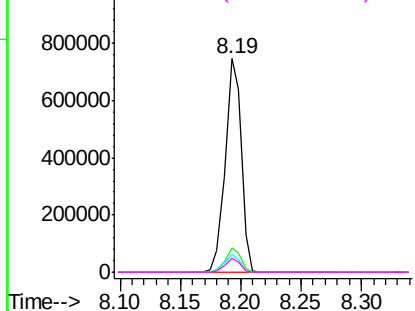
Tot Ion	Ratio	Resp	Lower	Upper
136	100	687471		
137	11.2		8.9	13.3
54	8.5		6.6	9.8
68	6.5		5.0	7.4

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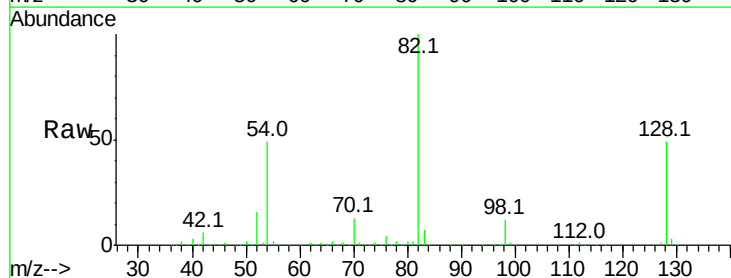


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

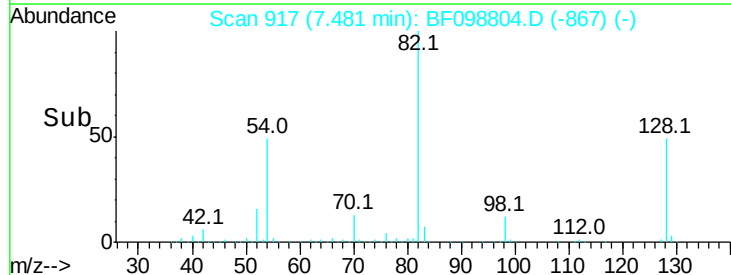
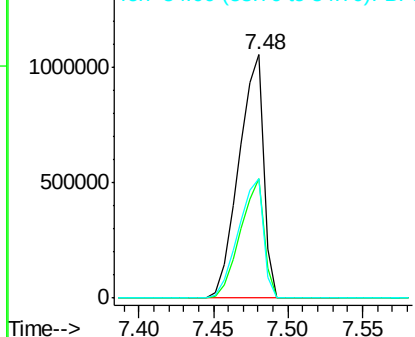


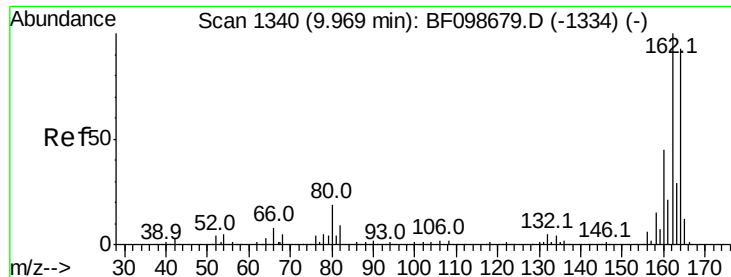
#23
Nitrobenzene-d5
Concen: 113.105 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1212481		
128	49.0		36.1	54.1
54	48.9		41.4	62.2



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





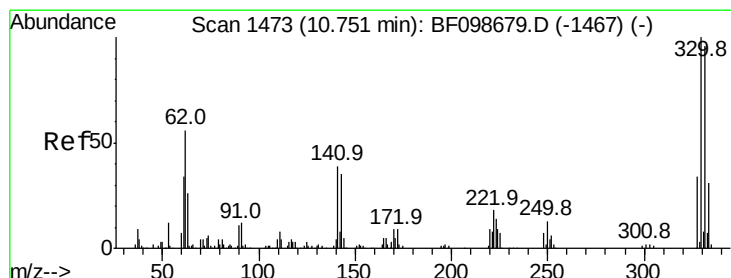
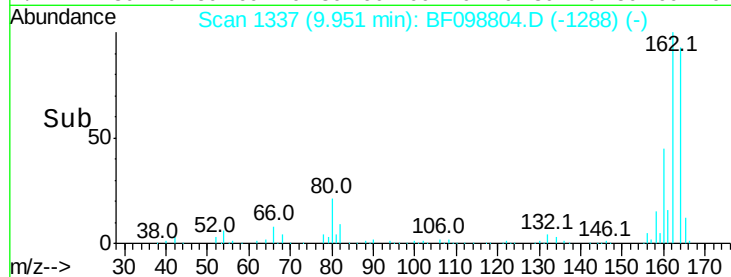
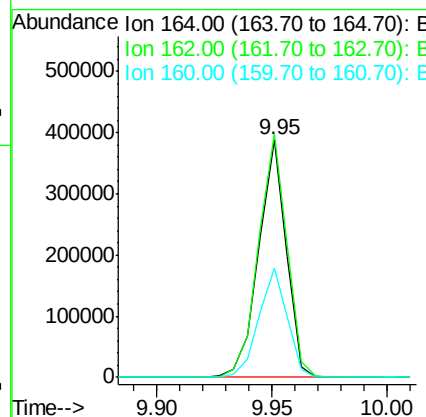
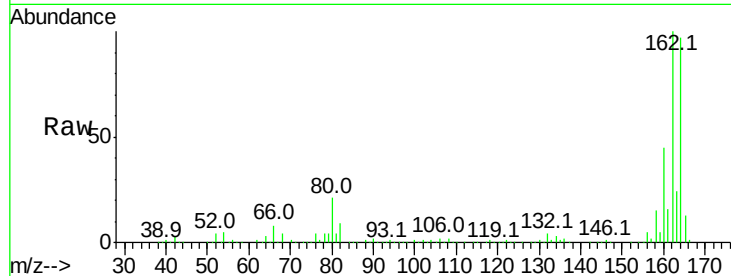
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Instrument :
 BNA_F
 ClientSampled :
 15-50

Tot Ion	Ratio	Resp	Lower	Upper
164	100	324110		
162	102.6	86.1	129.1	
160	45.8	38.3	57.5	

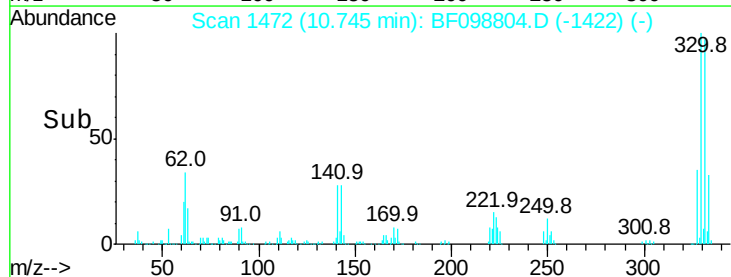
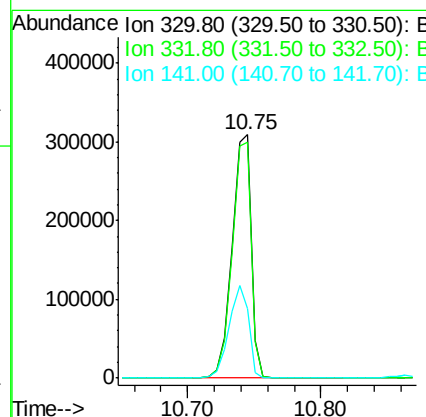
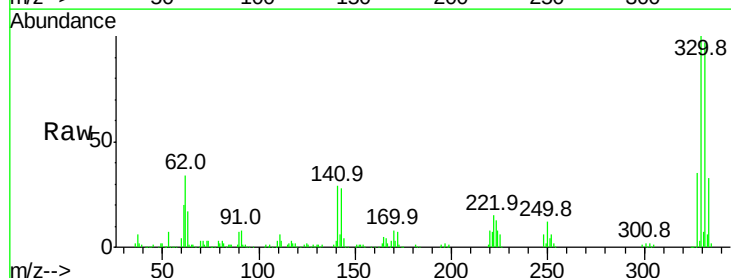
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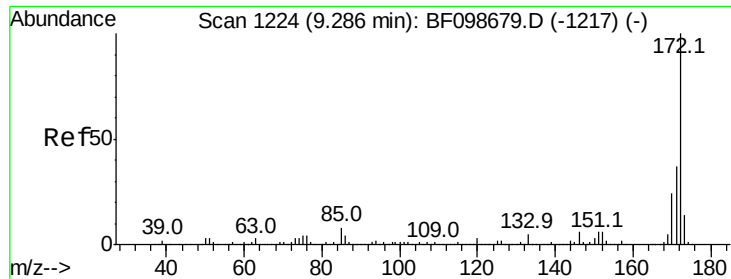
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#41
 2,4,6-Tribromophenol
 Concen: 118.765 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	314976		
332	97.2	77.0	115.6	
141	39.4	29.9	44.9	





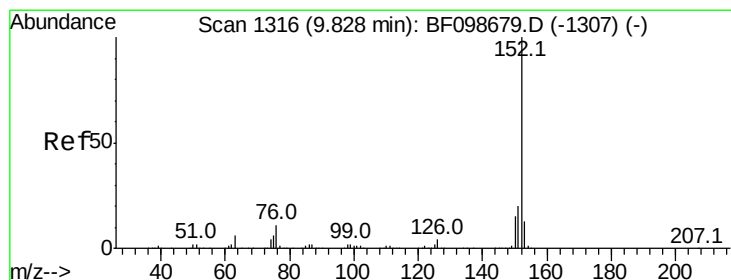
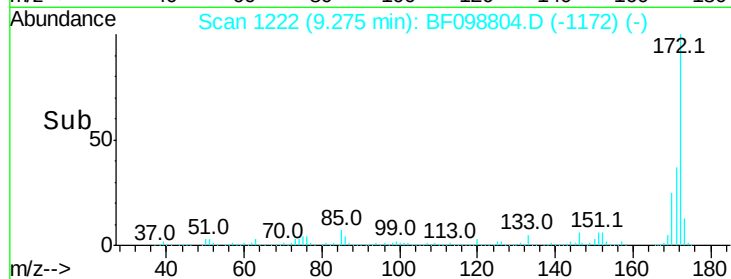
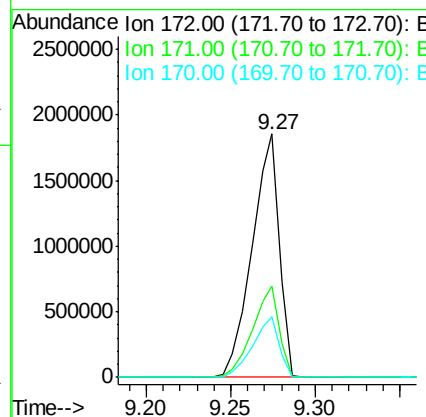
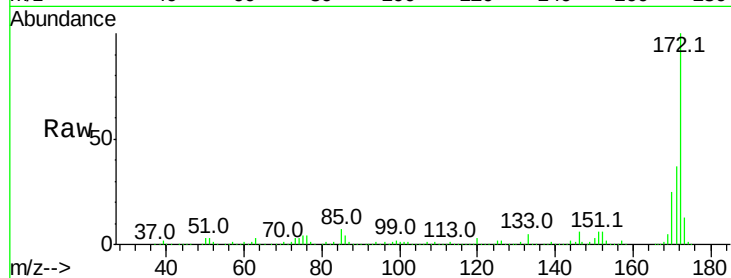
#44
2-Fluorobiphenyl
Concen: 107.265 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampled :
15-50

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	24.8	19.6	29.4

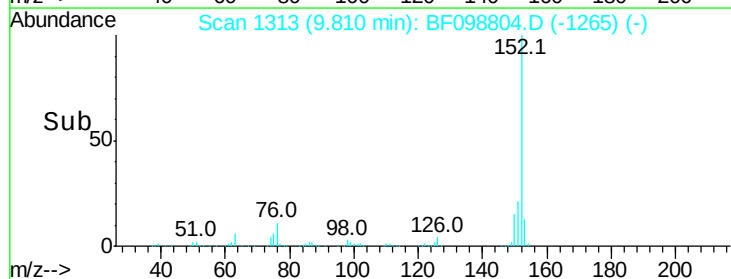
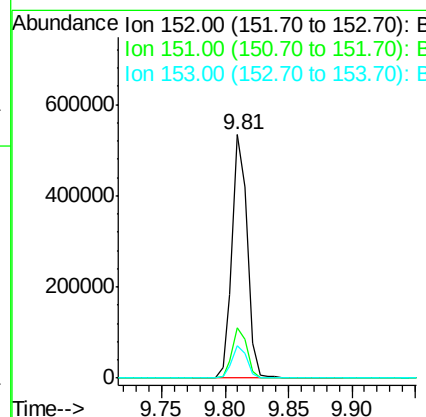
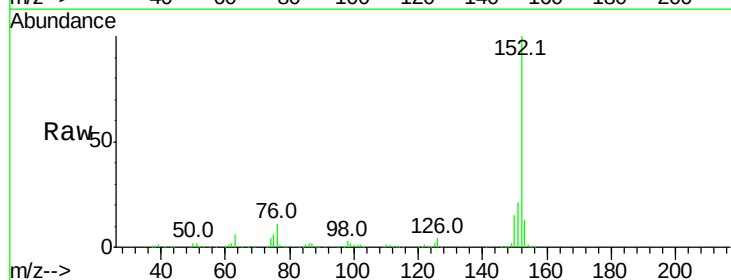
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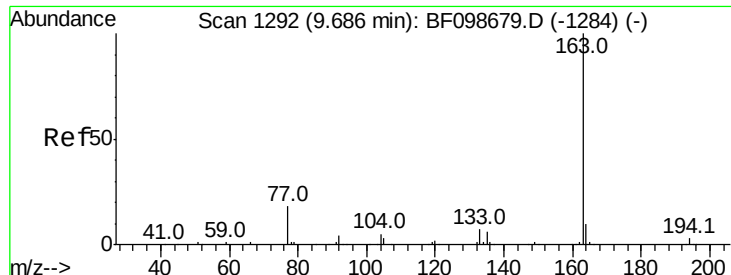
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#48
Acenaphthylene
Concen: 13.938 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.3	10.7	16.1





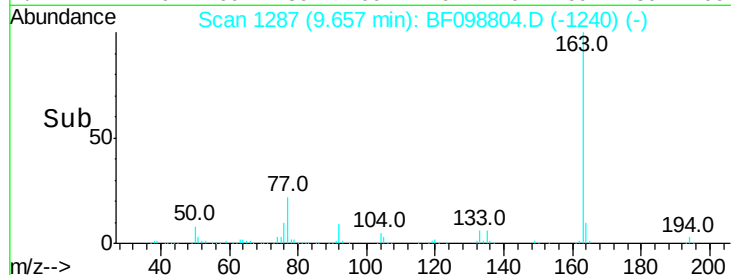
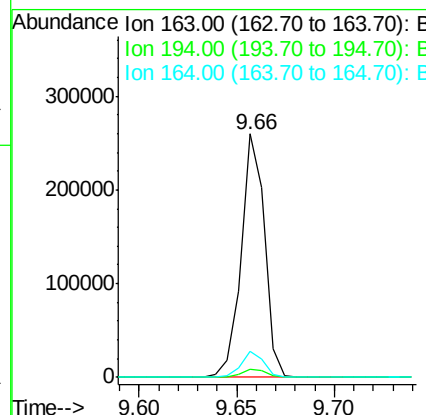
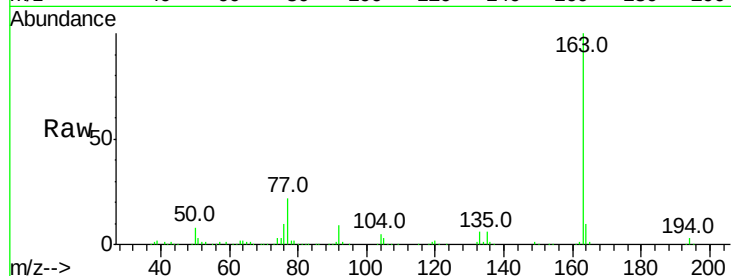
#49
Dimethylphthalate
Concen: 8.782 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampleId :
15-50

Tot Ion	Ratio	Resp	Lower	Upper
163	100	214821		
194	3.5	2.7	4.1	
164	10.5	8.2	12.2	

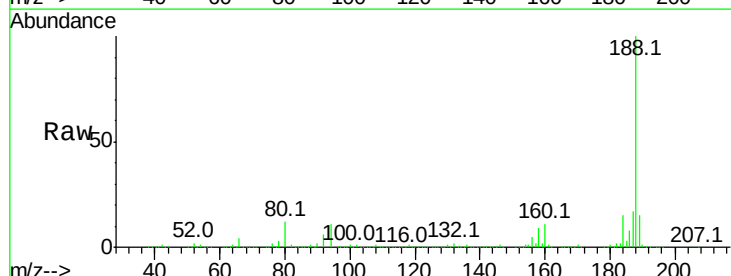
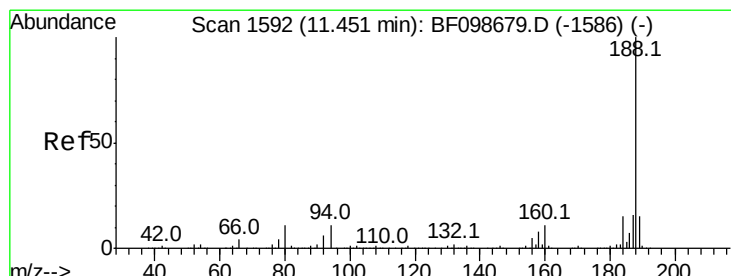
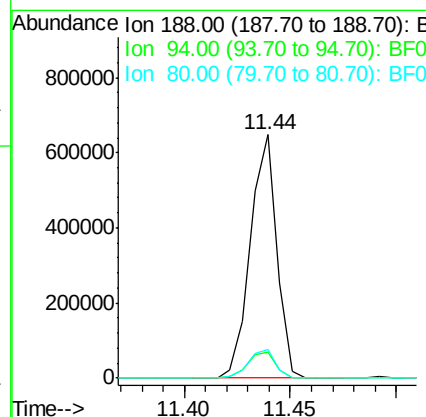
Manual Integrations
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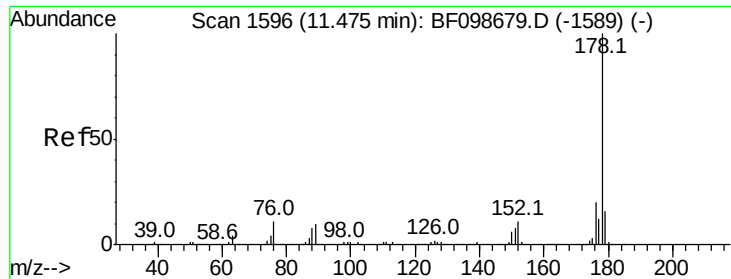
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	564490		
94	10.7	8.5	12.7	
80	11.7	9.2	13.8	





#70

Phenanthrene

Concen: 4.328 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

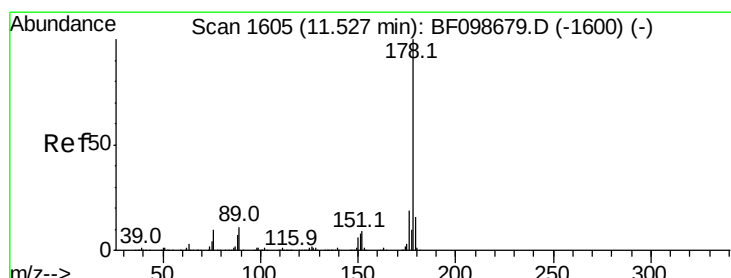
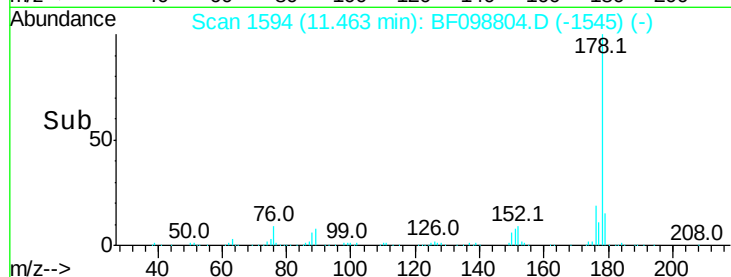
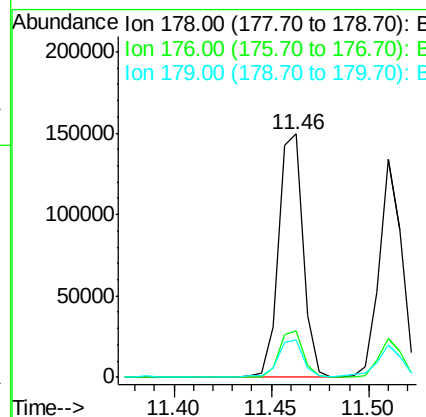
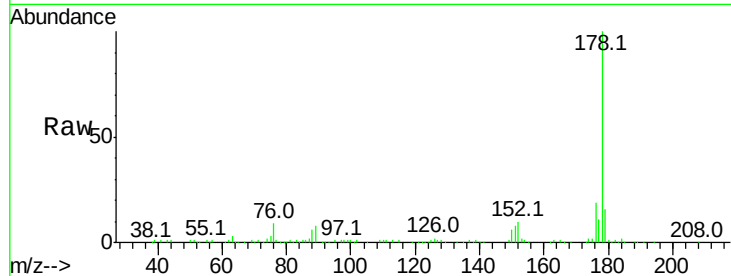
15-50

Tot Ion:	178	Resp:	130761
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 3.441 ng

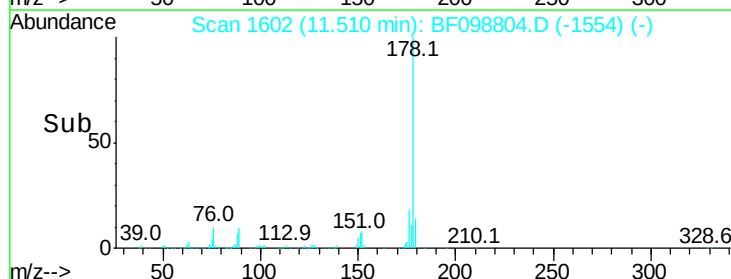
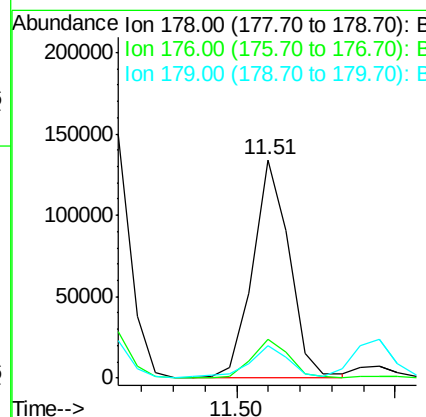
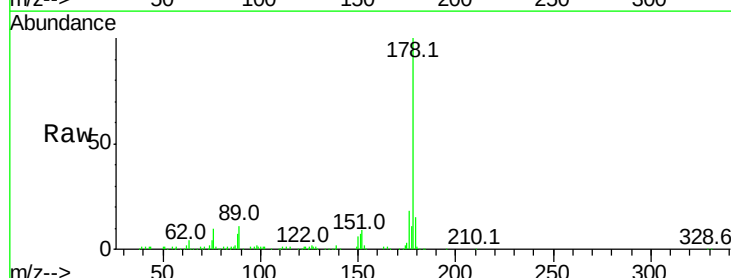
RT: 11.51 min Scan# 1602

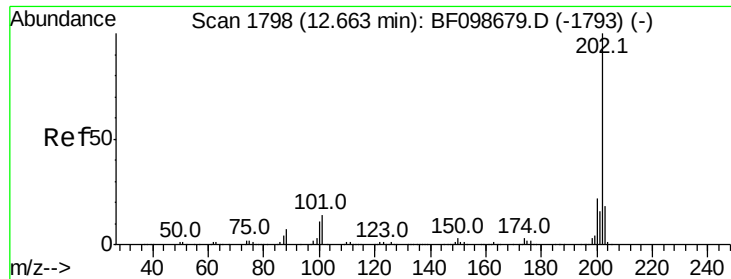
Delta R.T. -0.02 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion:	178	Resp:	106385
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.2
179	14.7	12.6	19.0





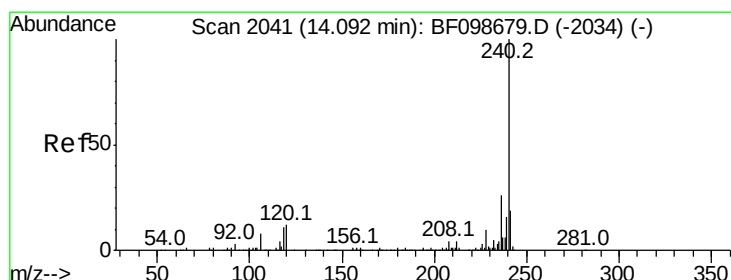
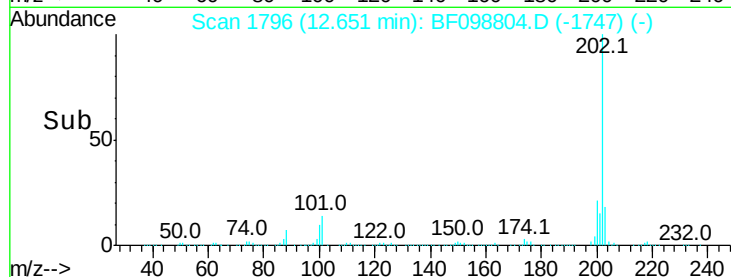
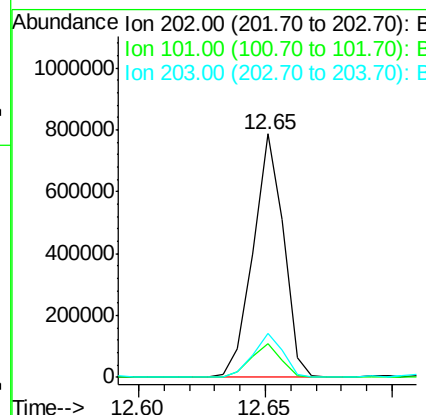
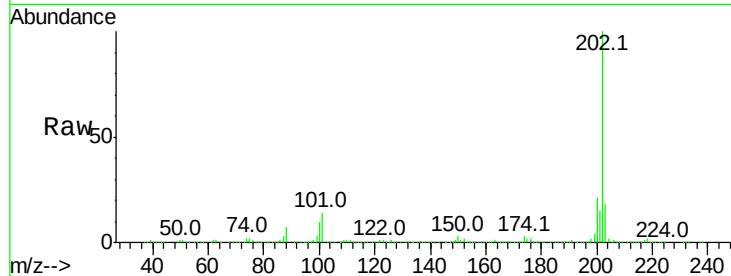
#74
 Fluoranthene
 Concen: 21.442 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Instrument :
 BNA_F
 ClientSampled :
 15-50

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.8	0.0	38.1

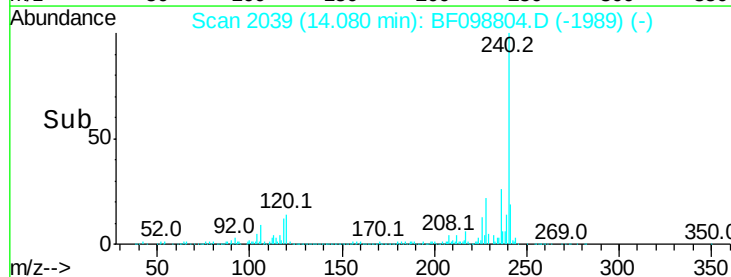
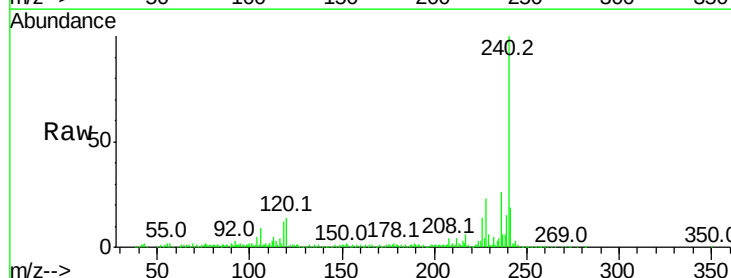
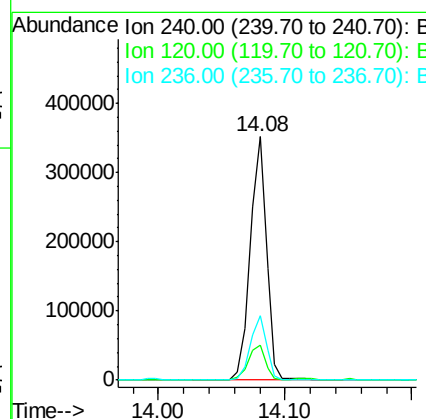
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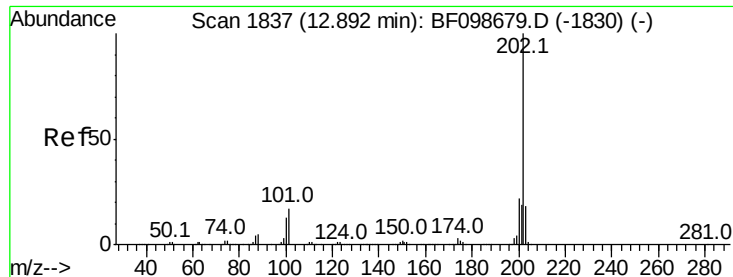
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.3	20.7	31.1





#77

Pvrene

Concen: 30.089 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampled :

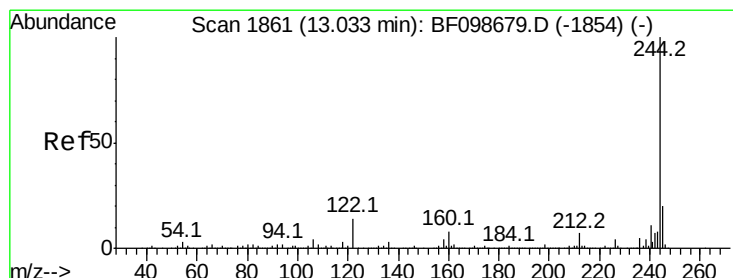
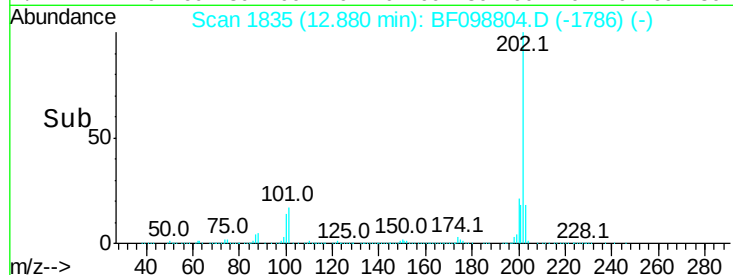
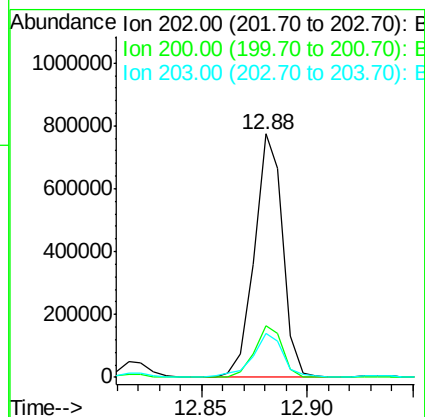
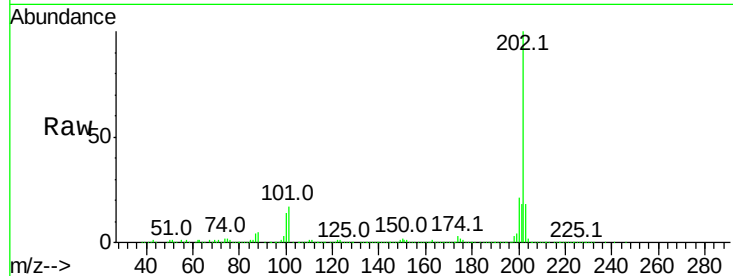
15-50

Tot Ion:	202	Resp:	714490
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.3	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 122.751 ng

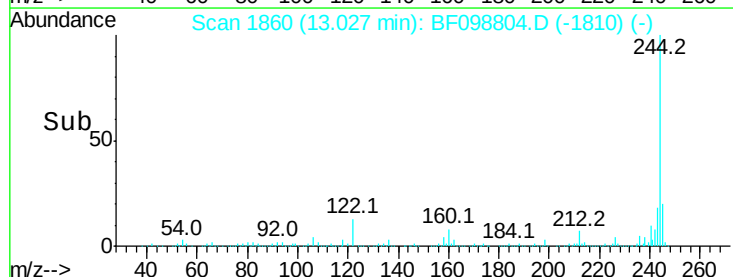
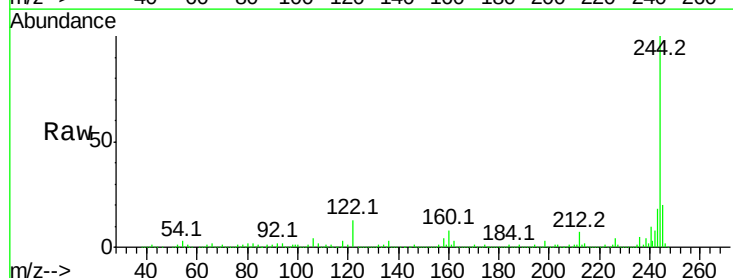
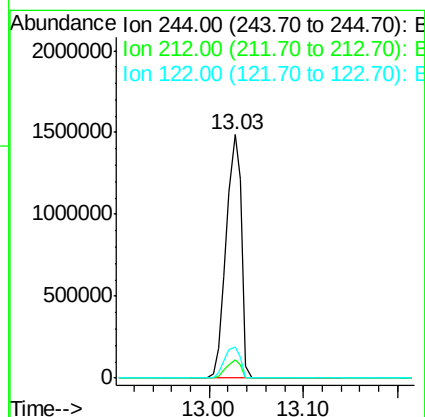
RT: 13.03 min Scan# 1860

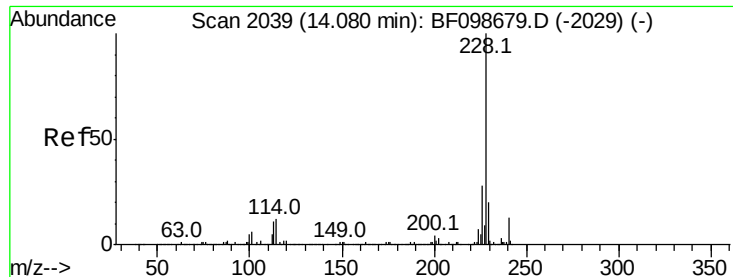
Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion:	244	Resp:	1680836
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.0	11.0	16.4





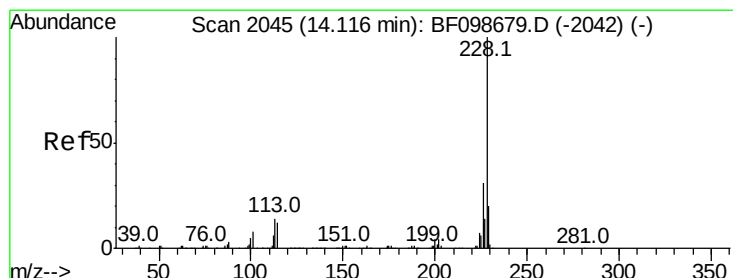
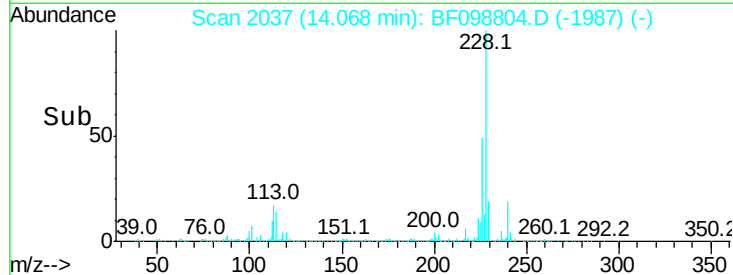
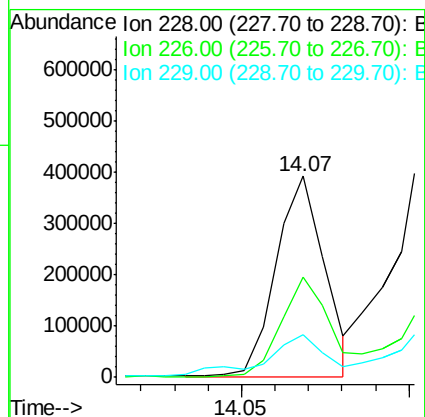
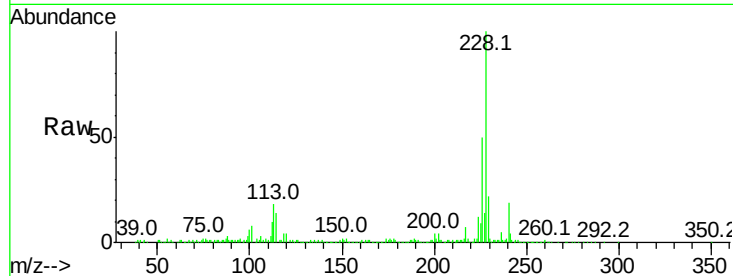
#80
Benzo(a)anthracene
Concen: 21.072 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampled :
15-50

Tot Ion	Ratio	Lower	Upper
228	100		
226	50.0	22.6	33.8#
229	21.5	15.8	23.6

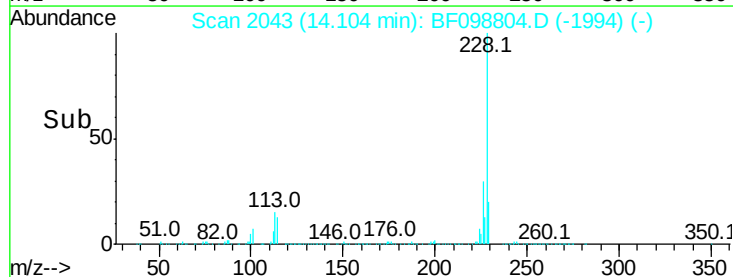
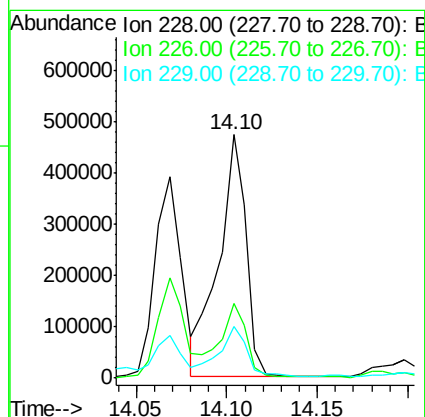
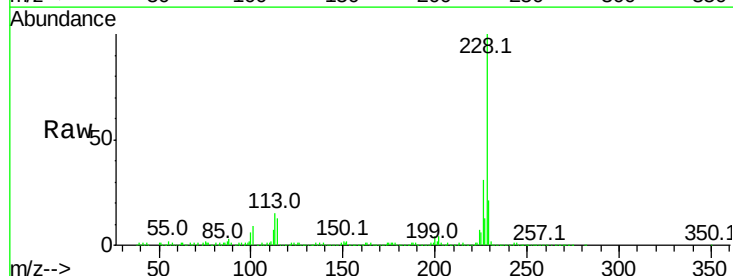
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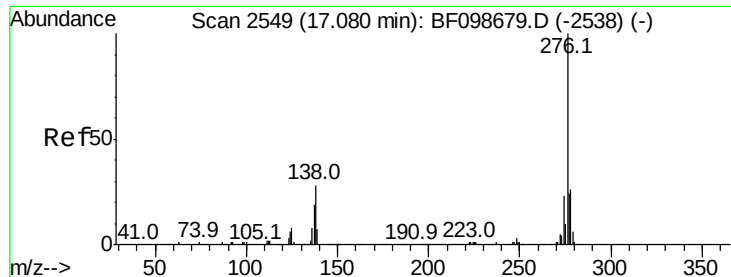
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#82
Chrysene
Concen: 27.837 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.2	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 36.565 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

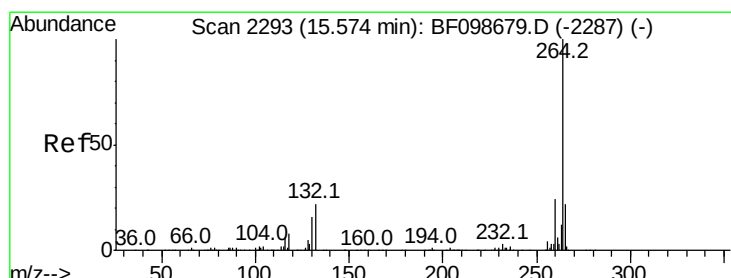
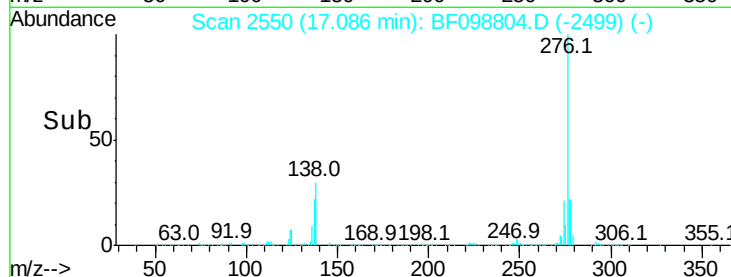
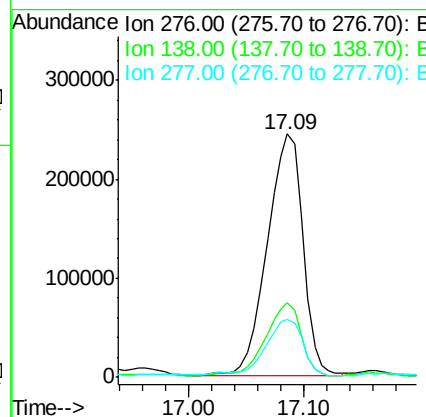
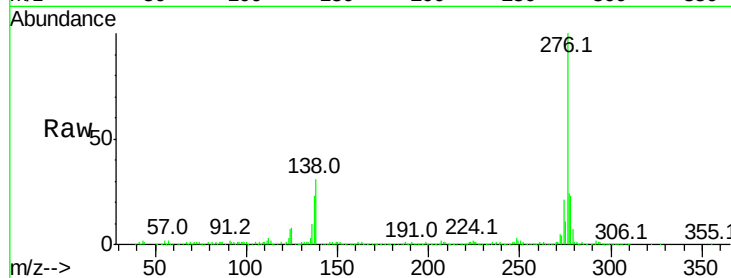
15-50

Tot Ion:	276	Resp:	525097
Ion Ratio	Lower	Upper	
276	100		
138	29.5	25.0	37.6
277	24.2	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

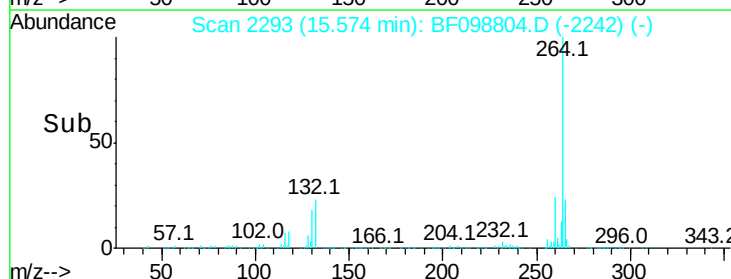
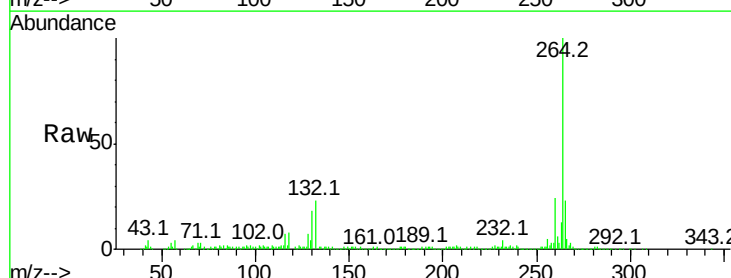
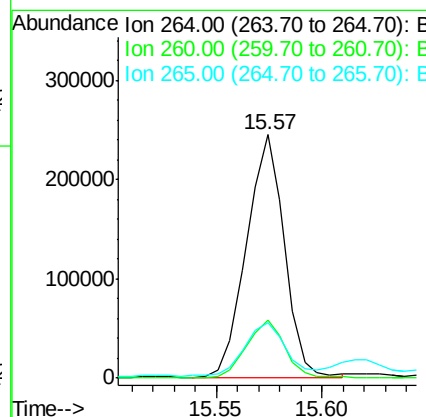
RT: 15.57 min Scan# 2293

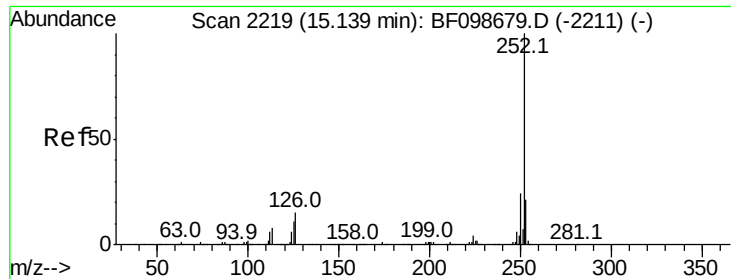
Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion:	264	Resp:	302242
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 45.162 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098804.D

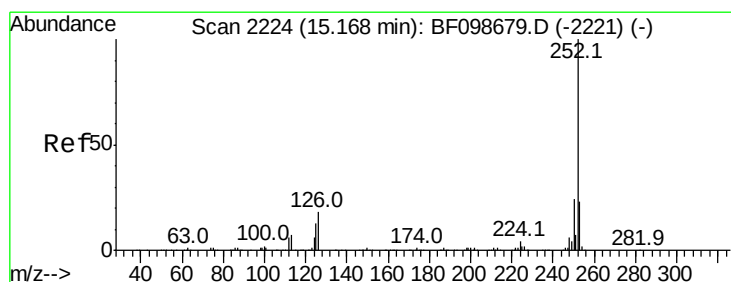
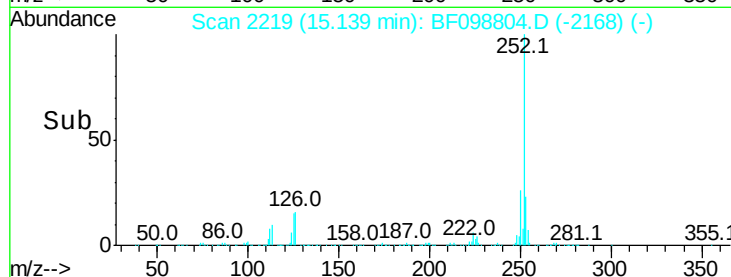
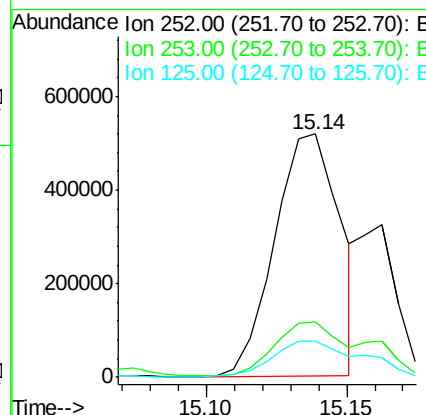
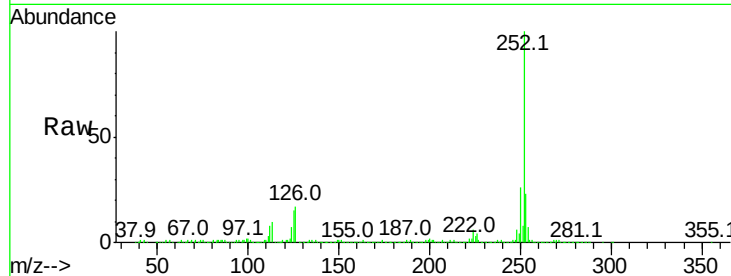
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampleId :
15-50

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.1	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 15.660 ng m

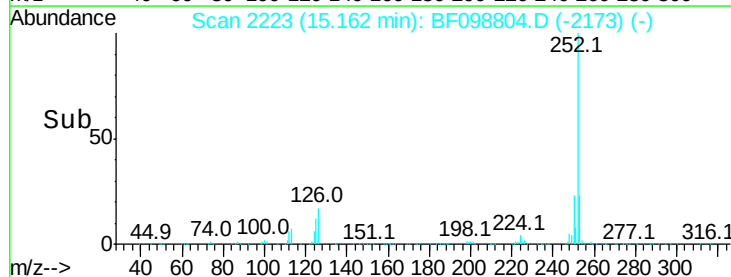
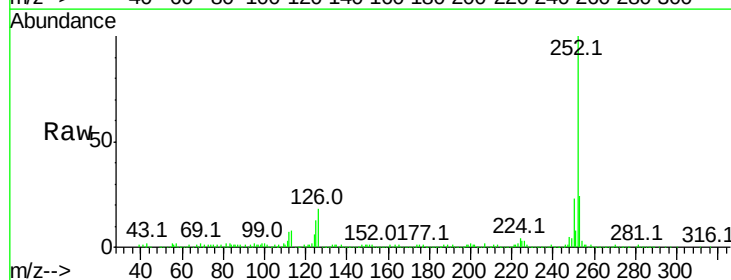
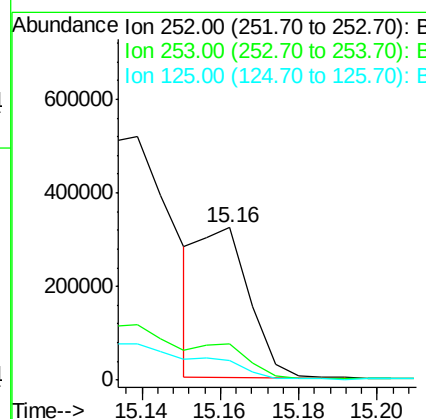
RT: 15.16 min Scan# 2223

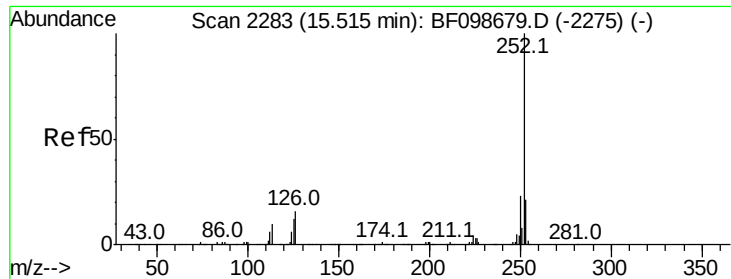
Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.6	10.2	15.2





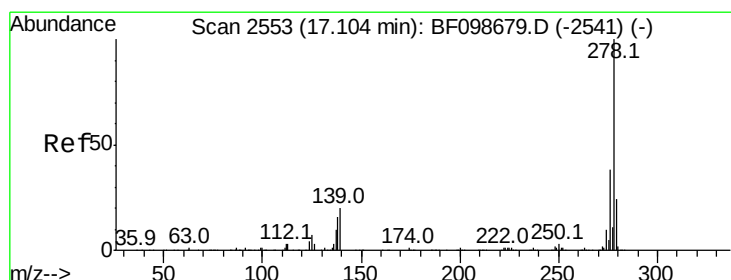
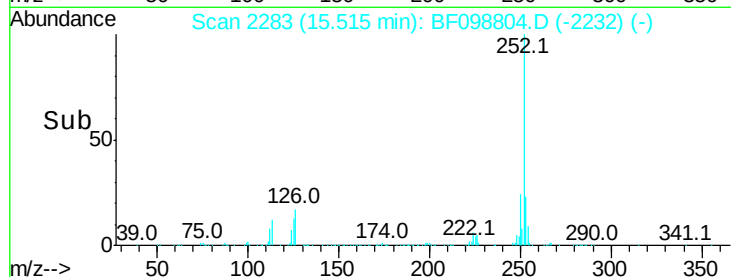
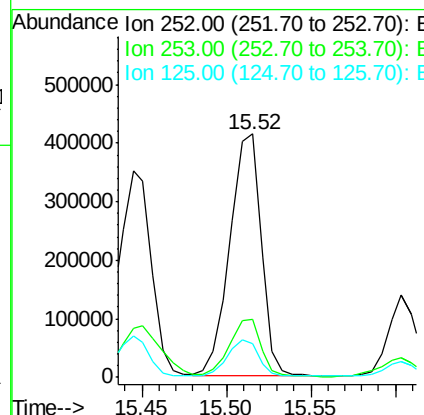
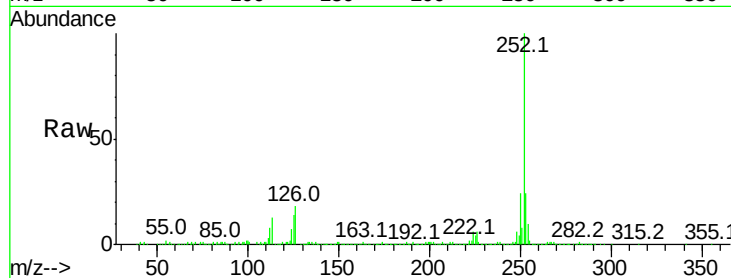
#89
Benzo(a)pyrene
Concen: 31.382 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
Client Sampled :
15-50

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.8	9.8	14.6

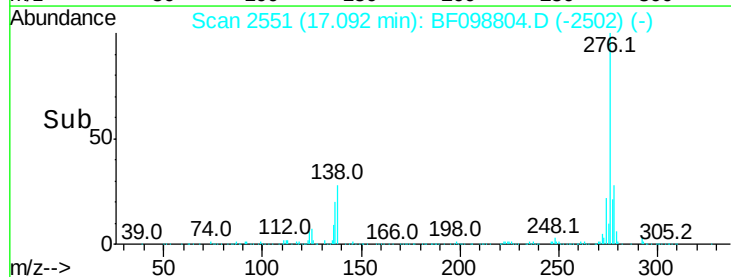
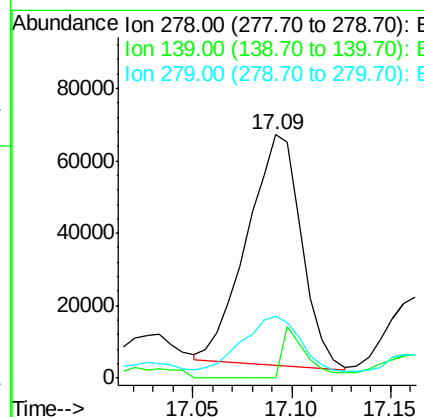
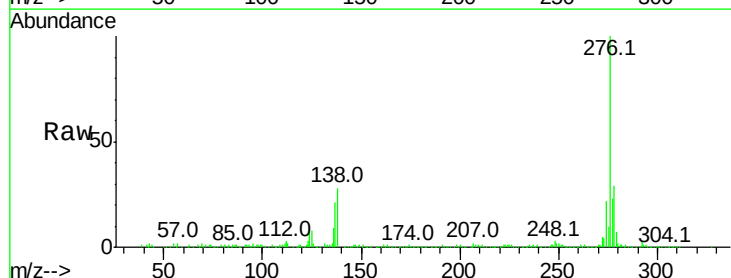
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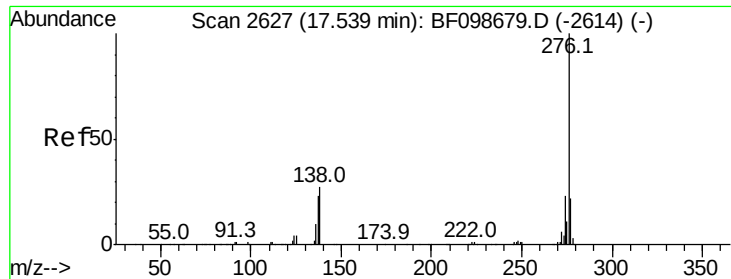
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#90
Dibenzo(a,h)anthracene
Concen: 8.846 ng m
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	25.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 41.406 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Instrument :
 BNA_F
 ClientSampleId :
 15-50

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	31.0	21.8	32.8

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