

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099052.D
 Acq On : 4 Oct 2017 1:25
 Operator : SJ/JU
 Sample : I5610-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1B-(1-2)-COMP-(0-5)

Manual Integrations
 APPROVED

Sohil
 10/4/2017 7:21:29 PM

Quant Time: Oct 04 16:59:45 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	6.87	152	119285	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	433294	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	154198	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	225788	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	238906	20.00	ng	-0.05
86) Perylene-d12	15.51	264	234350	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	994255	132.69	ng	-0.04
7) Phenol-d6	6.50	99	1170541	126.63	ng	-0.04
23) Nitrobenzene-d5	7.44	82	678694	100.45	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	147254	116.71	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	923296	99.96	ng	-0.05
78) Terphenyl-d14	12.98	244	653321	62.19	ng	-0.05
Target Compounds						
10) Phenol	6.52	94	28538	2.760	ng	Qvalue 97
49) Dimethylphthalate	9.62	163	208554	17.920	ng	99
70) Phenanthrene	11.42	178	98964	8.188	ng	97
71) Anthracene	11.47	178	30417	2.460	ng	98
74) Fluoranthene	12.62	202	184097	15.043	ng	99
77) Pyrene	12.84	202	160742	8.823	ng	98
80) Benzo(a)anthracene	14.02	228	88795	6.138	ng	98
82) Chrysene	14.06	228	77701	5.642	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	33644	3.054	ng	96
87) Benzo(b)fluoranthene	15.07	252	97512m	6.768	ng	
88) Benzo(k)fluoranthene	15.10	252	33529m	2.356	ng	
89) Benzo(a)pyrene	15.44	252	72385	5.473	ng	# 94
91) Benzo(a,h,i)perylene	17.44	276	32646	3.120	ng	95

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

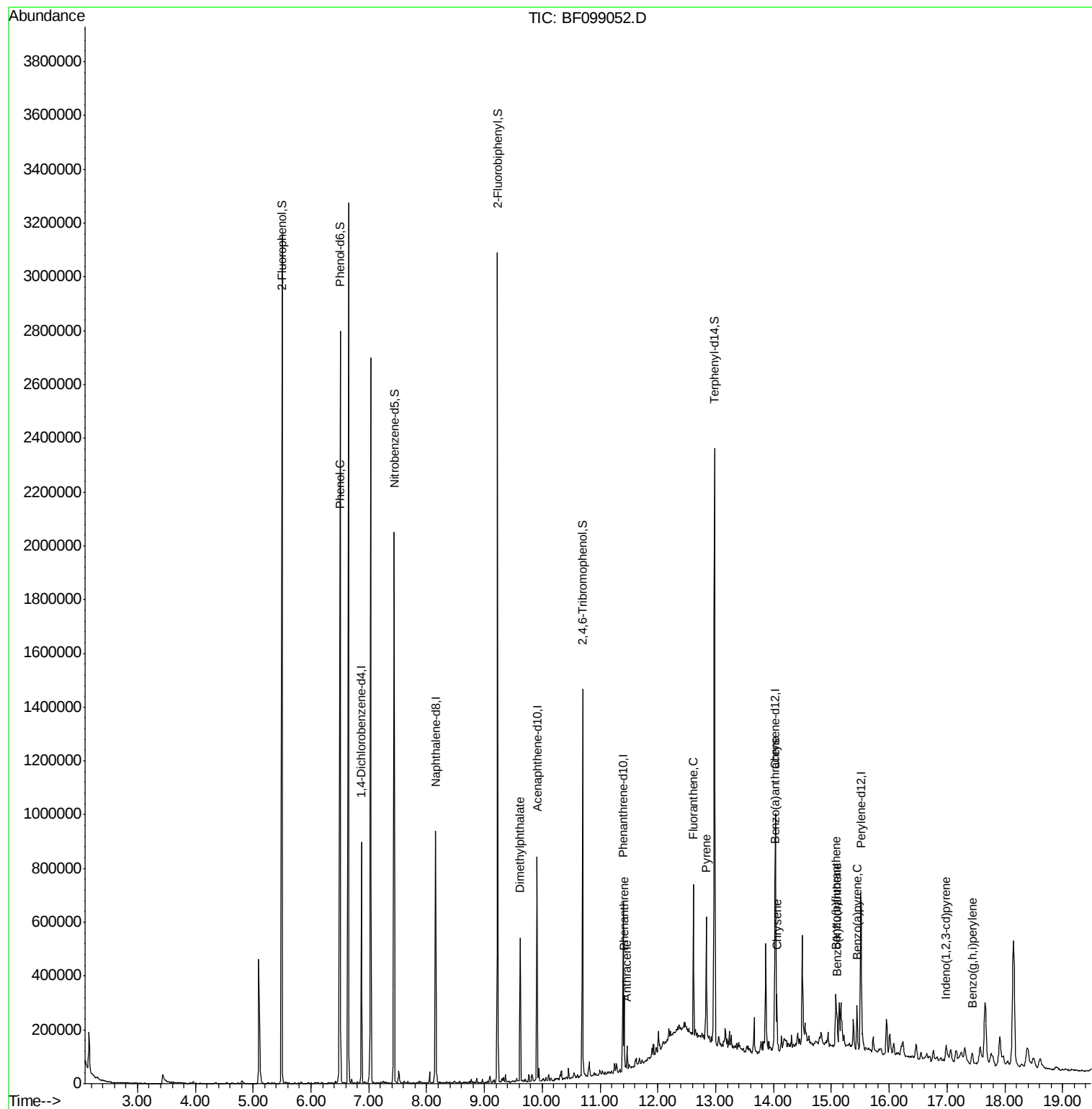
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

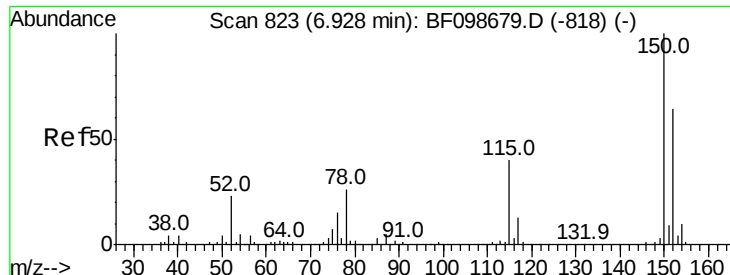
Instrument :
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#1

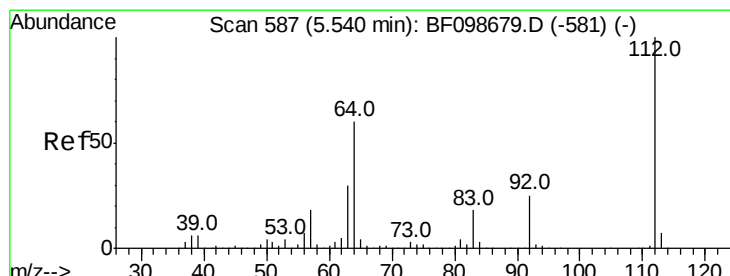
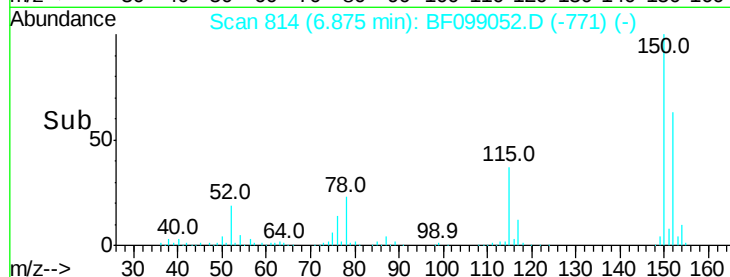
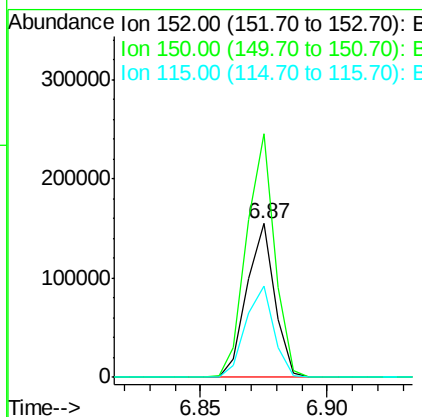
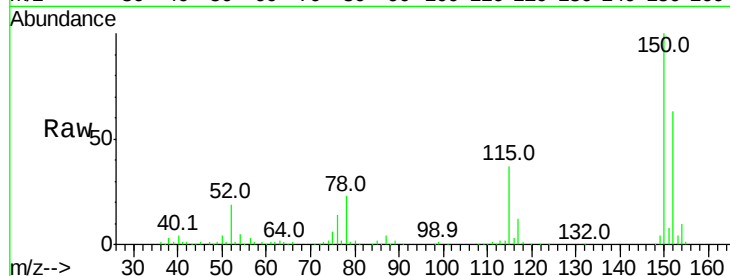
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	59.4	50.1	75.1

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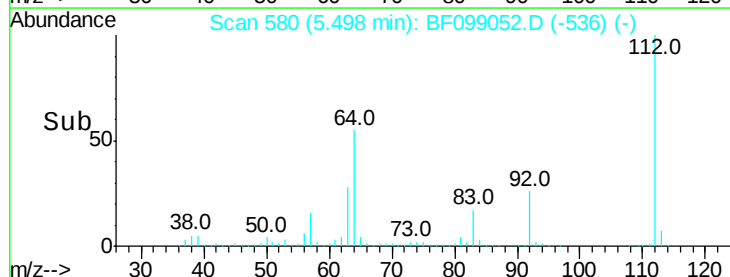
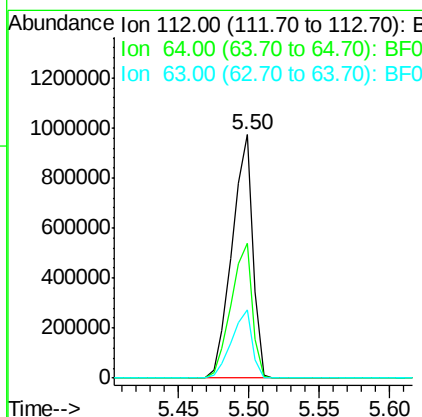
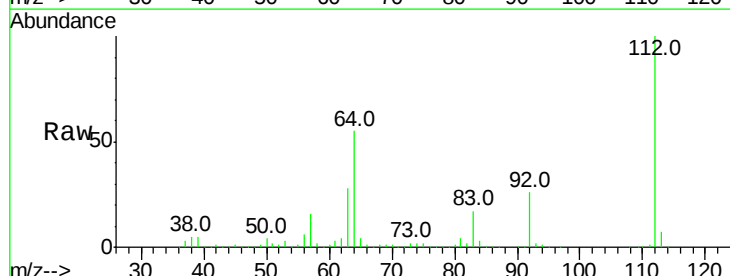
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#5

2-Fluorophenol
Concen: 132.687 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.04 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 126.630 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

ClientSampleId :

1B-(1-2)-COMP-(0-5)

Tot Ion: 99 Resp: 1170541

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

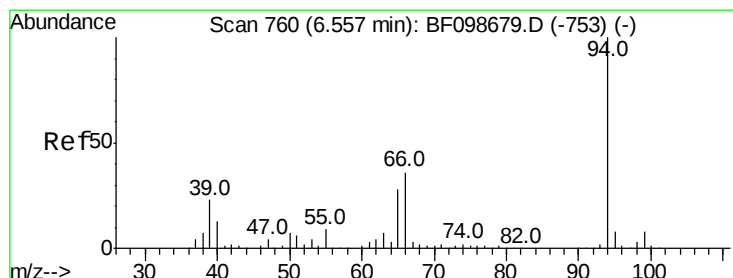
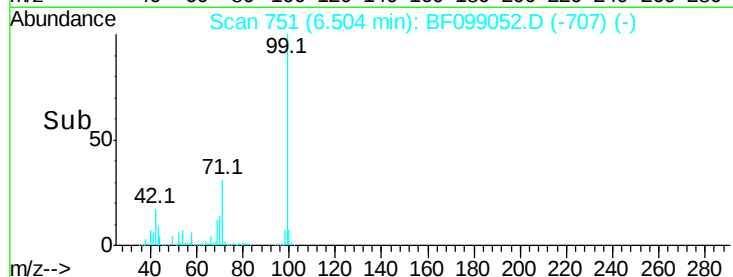
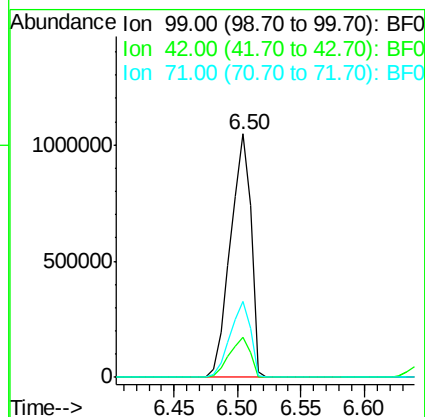
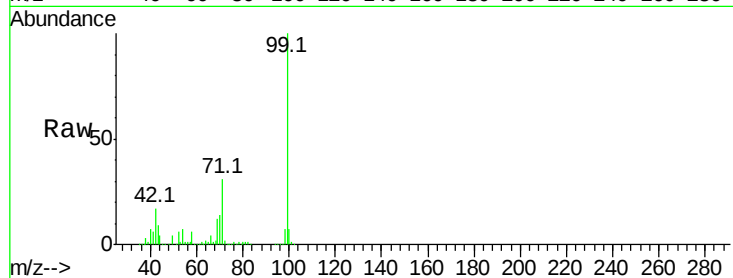
71 31.4 25.4 38.0

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#10

Phenol

Concen: 2.760 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

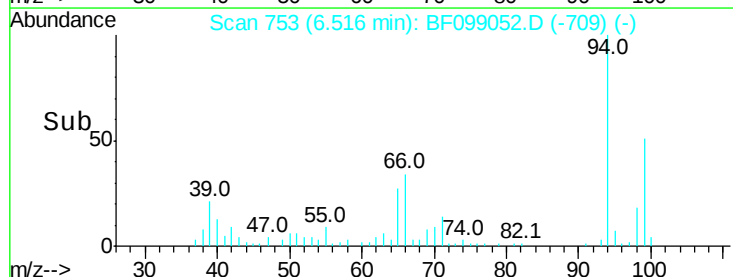
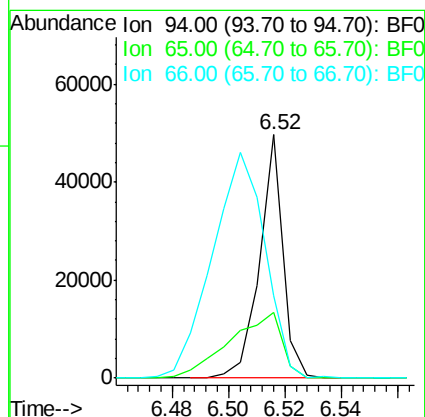
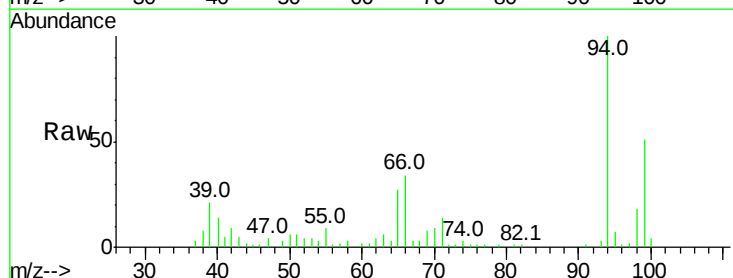
Tgt Ion: 94 Resp: 28538

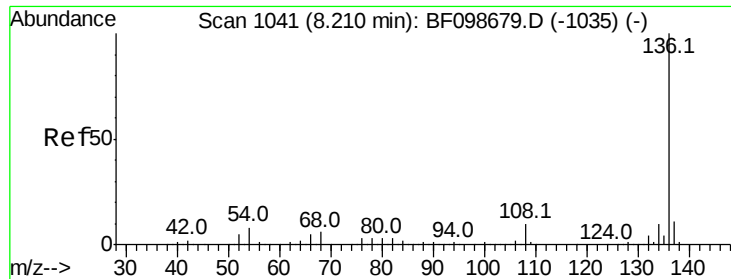
Ion Ratio Lower Upper

94 100

65 26.9 7.9 47.9

66 34.1 16.2 56.2





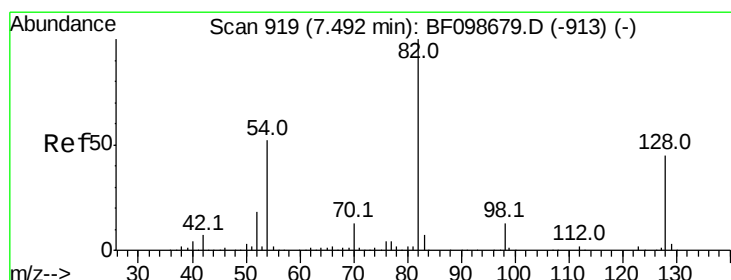
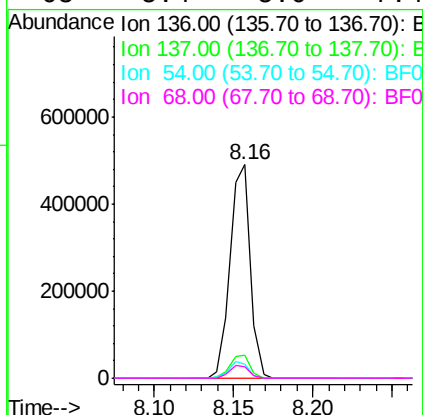
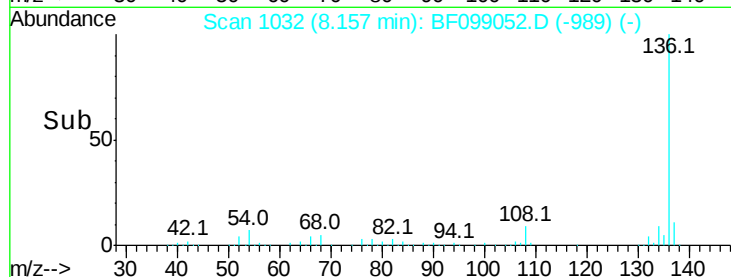
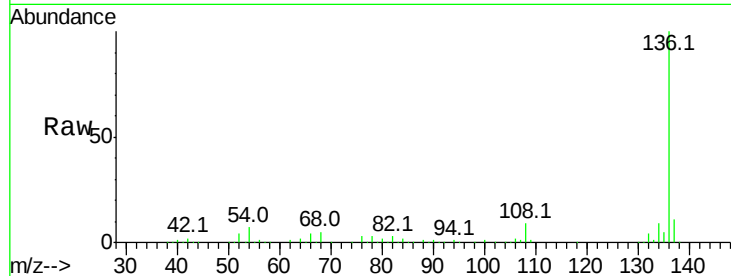
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	6.7	6.6	9.8	
68	5.4	5.0	7.4	

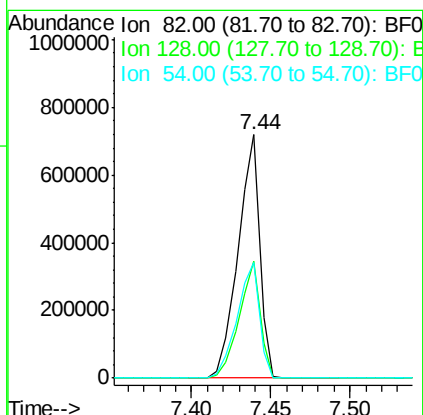
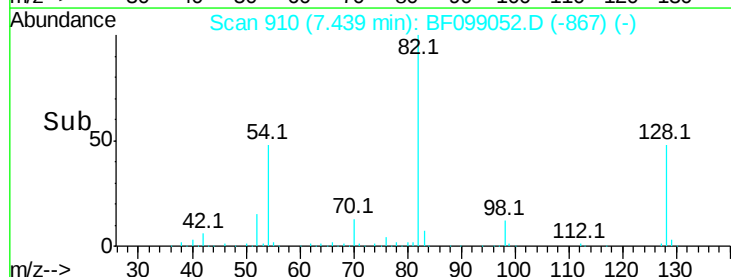
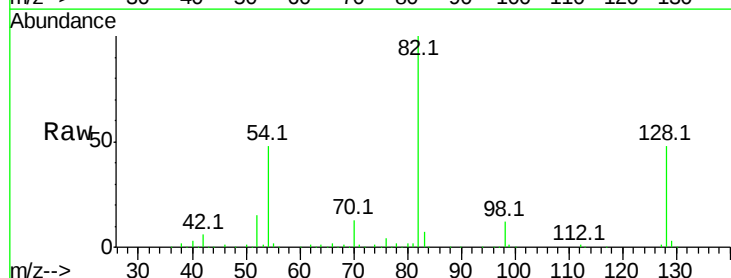
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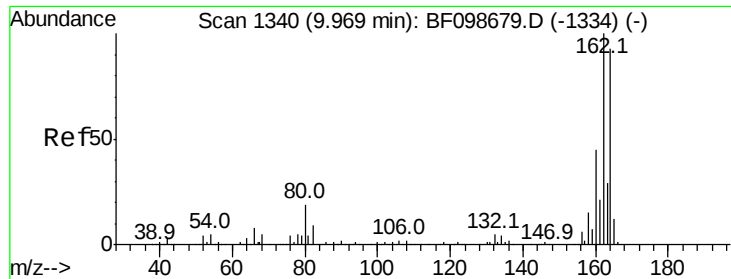
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#23
Nitrobenzene-d5
Concen: 100.451 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.05 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.0	36.1	54.1	
54	47.5	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

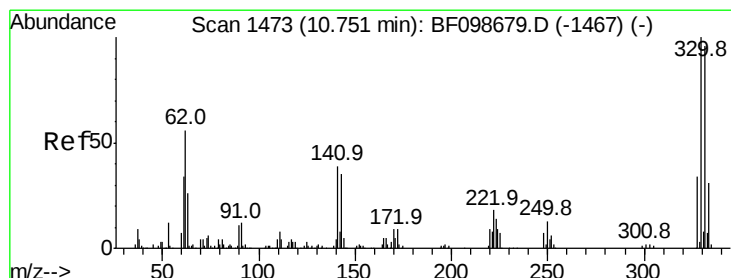
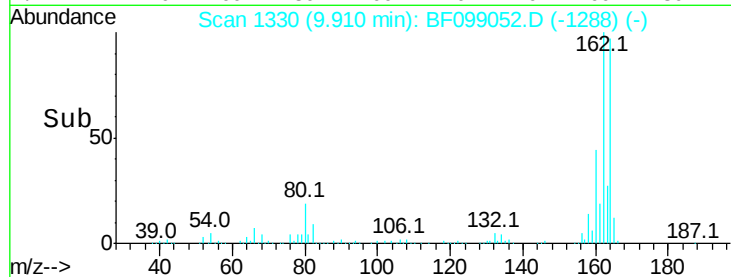
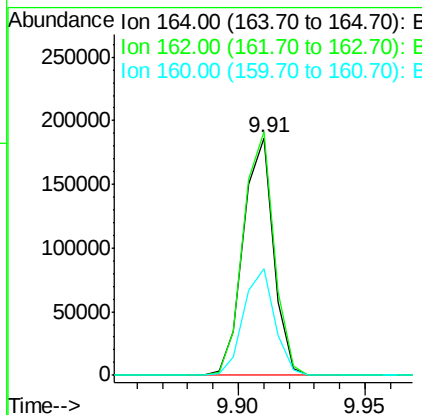
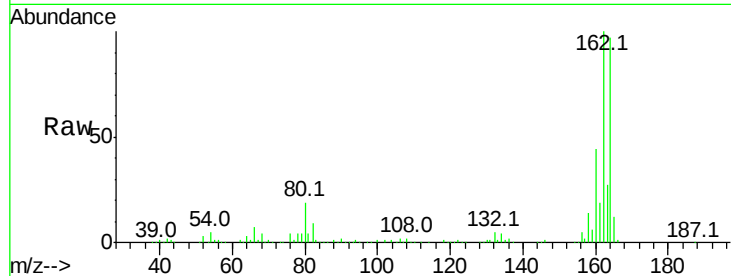
ClientSampleId :

1B-(1-2)-COMP-(0-5)

Tot Ion:	164	Resp:	154198
Ion Ratio	Lower	Upper	
164	100		
162	102.6	86.1	129.1
160	44.9	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 116.705 ng

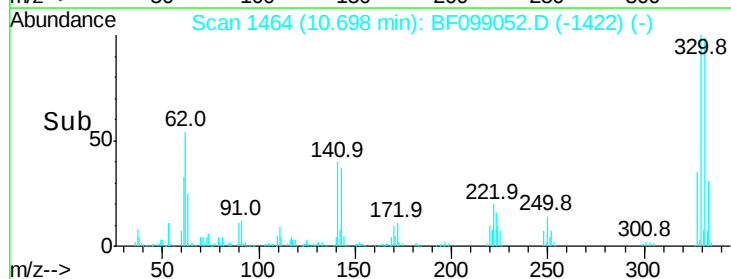
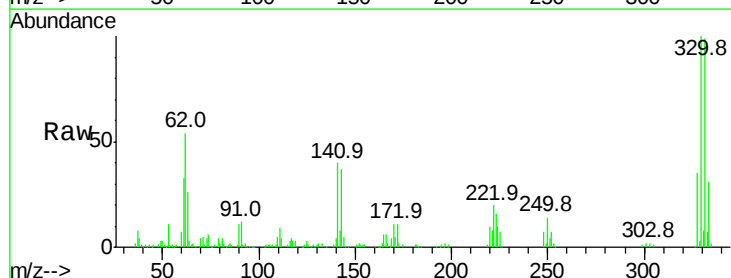
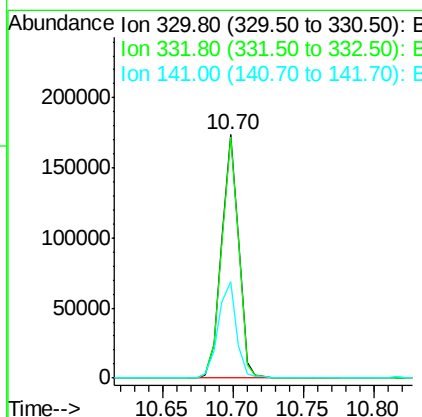
RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Tgt Ion:	330	Resp:	147254
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.0	115.6
141	42.0	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 99.960 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

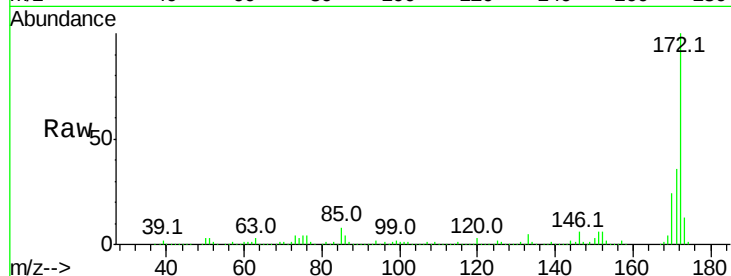
ClientSampleId :

1B-(1-2)-COMP-(0-5)

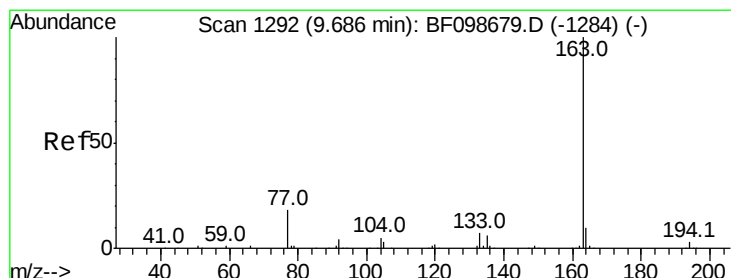
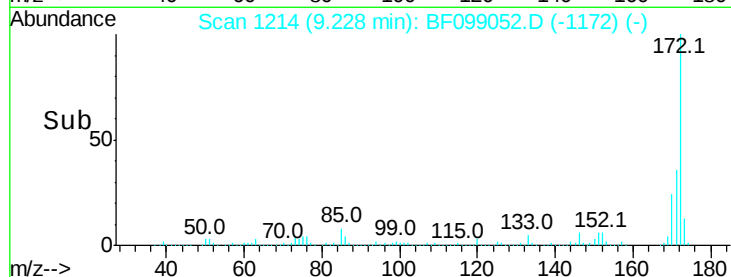
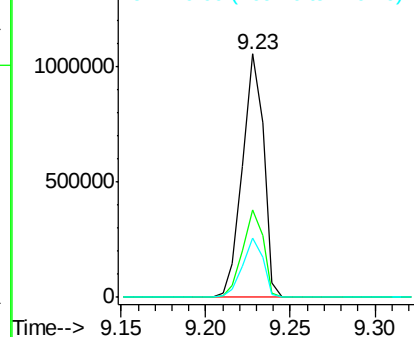
Tot Ion:	172	Resp:	923296
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	24.3	19.6	29.4

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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 17.920 ng

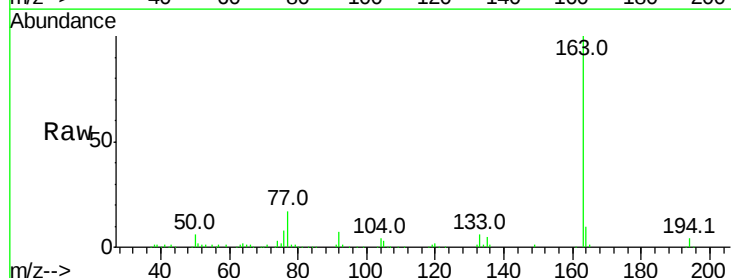
RT: 9.62 min Scan# 1281

Delta R.T. -0.06 min

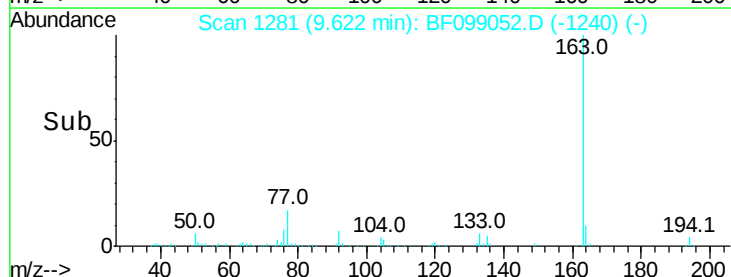
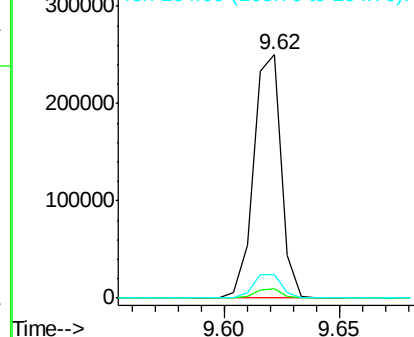
Lab File: BF099052.D

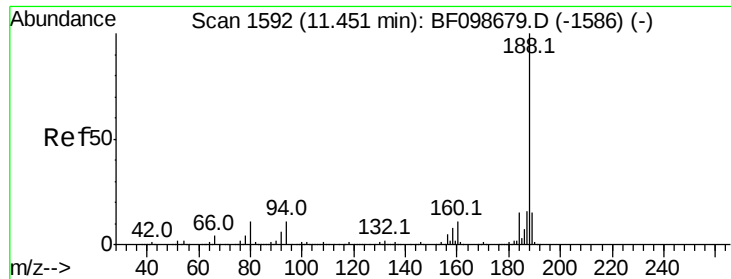
Acq: 4 Oct 2017 1:25

Tgt Ion:	163	Resp:	208554
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.6	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

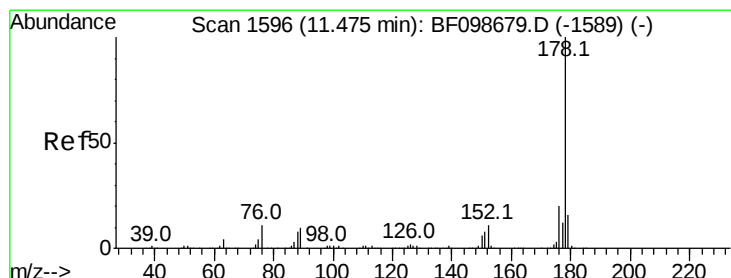
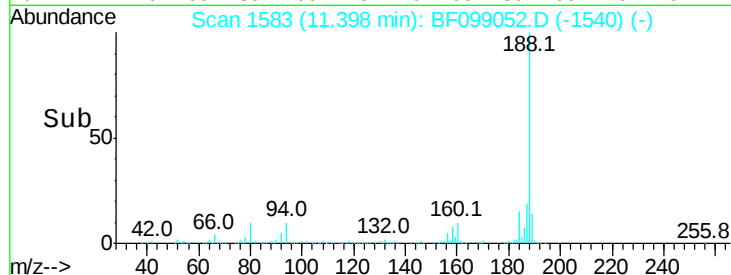
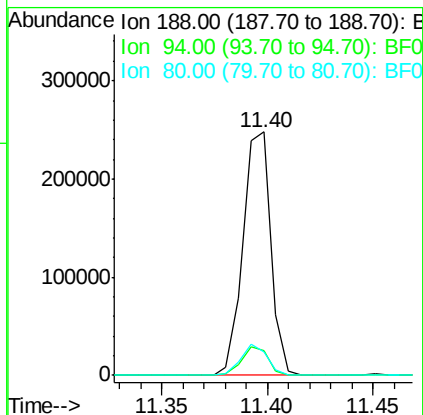
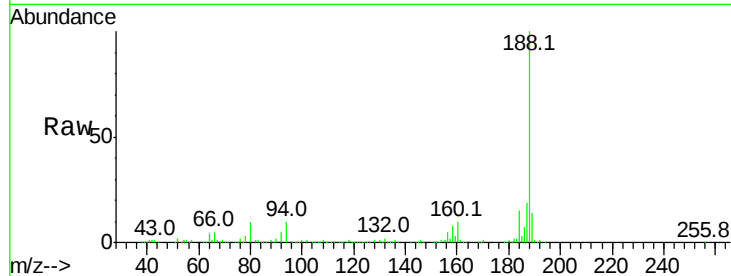
ClientSampleId :

1B-(1-2)-COMP-(0-5)

Tot Ion:188	Resp:	225788
Ion Ratio	Lower	Upper
188 100		
94 9.9	8.5	12.7
80 9.9	9.2	13.8

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#70

Phenanthrene

Concen: 8.188 ng

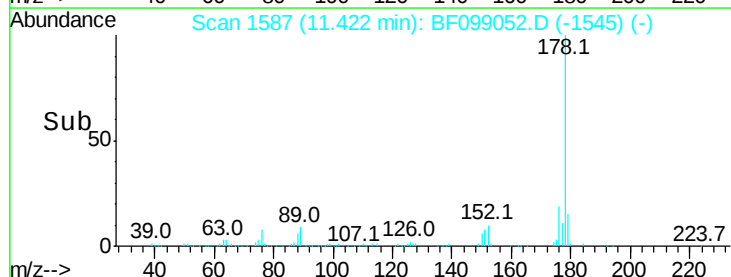
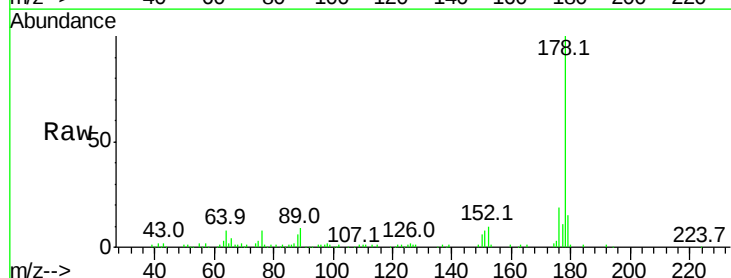
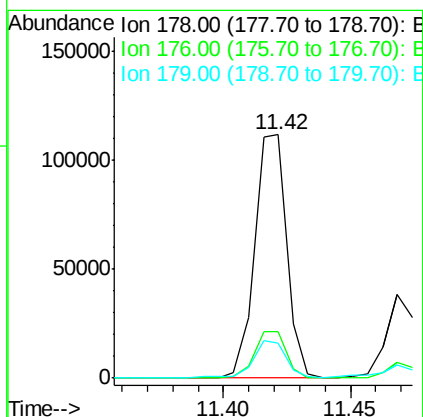
RT: 11.42 min Scan# 1587

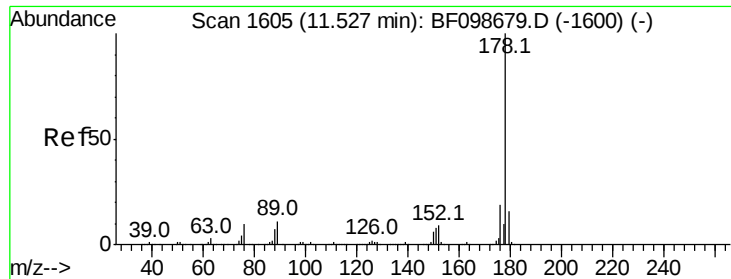
Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Tgt Ion:178	Resp:	98964
Ion Ratio	Lower	Upper
178 100		
176 19.1	15.8	23.8
179 14.6	13.0	19.6





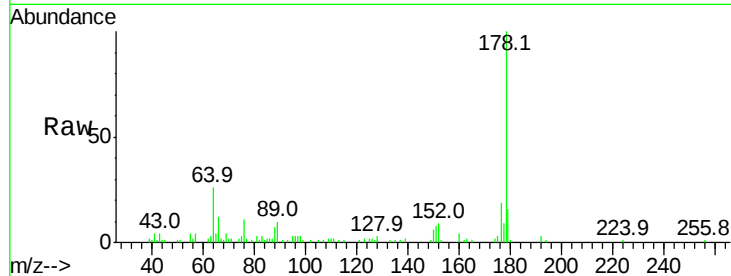
#71
 Anthracene
 Concen: 2.460 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.06 min
 Lab File: BF099052.D
 Acq: 4 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.5	12.6	19.0

Manual Integrations
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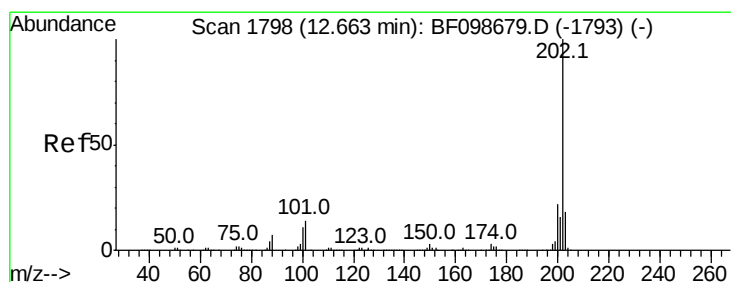
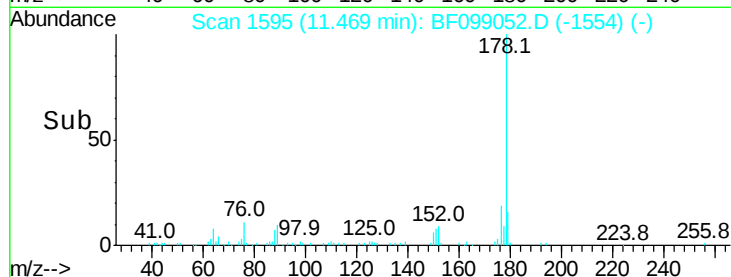
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



#74
 Fluoranthene
 Concen: 15.043 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.05 min
 Lab File: BF099052.D
 Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.4	0.0	38.1

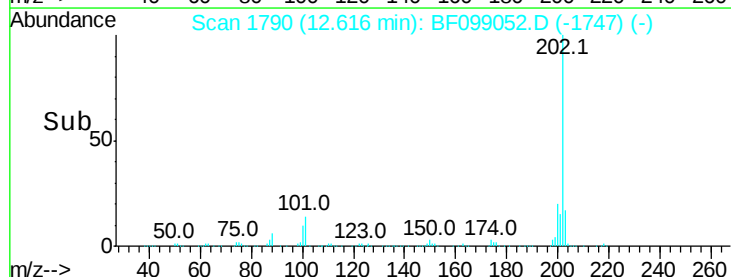
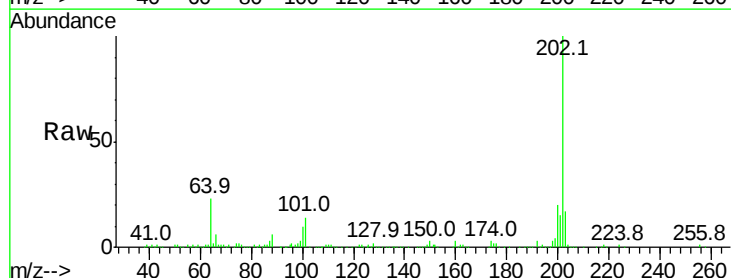
Abundance

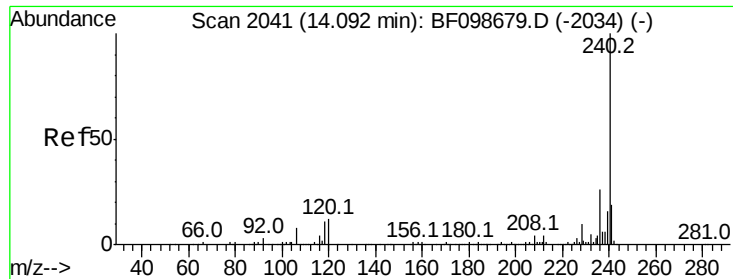
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

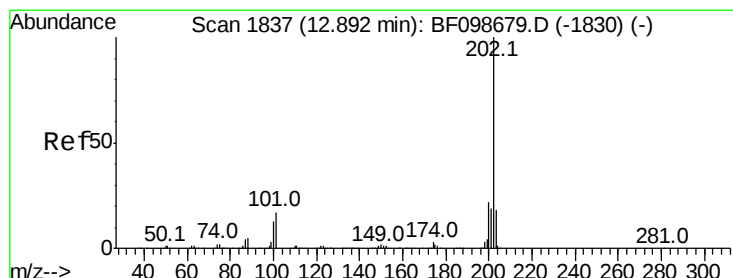
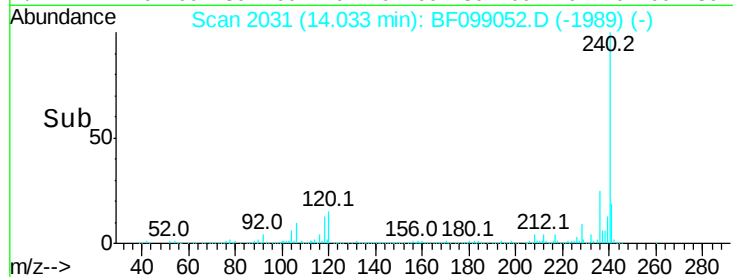
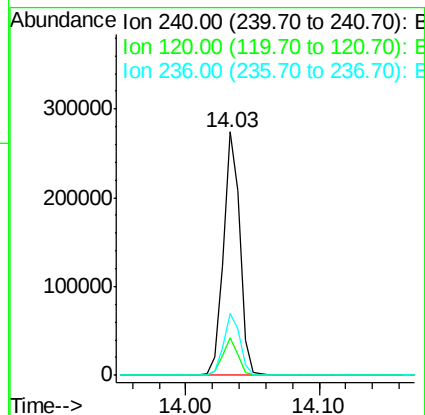
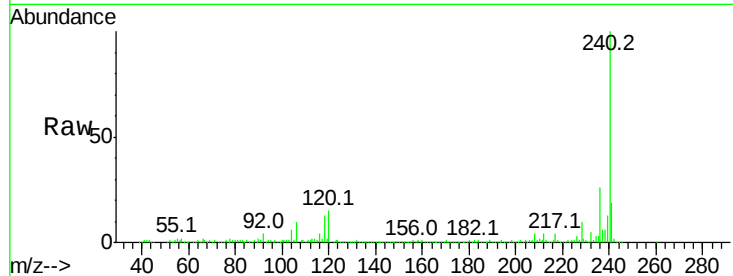
ClientSampleId :

1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 8.823 ng

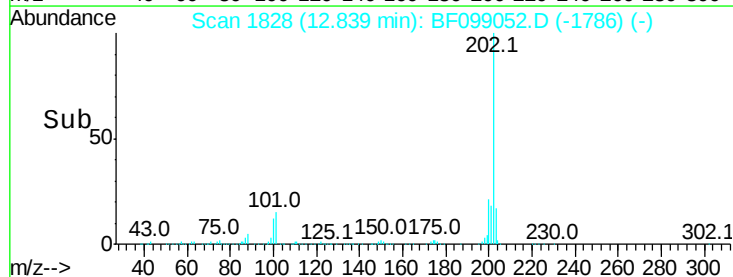
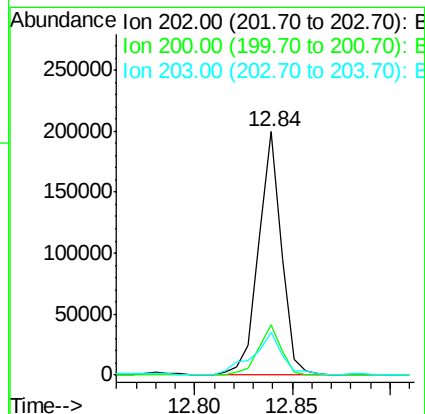
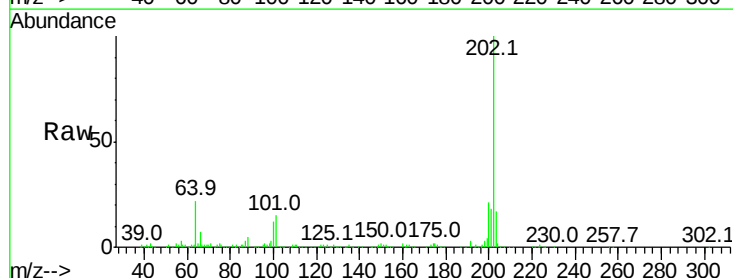
RT: 12.84 min Scan# 1828

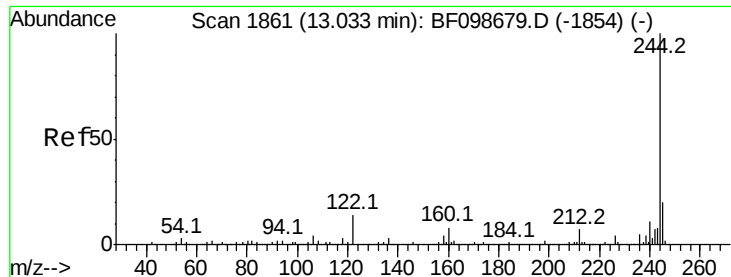
Delta R.T. -0.05 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.4	14.3	21.5





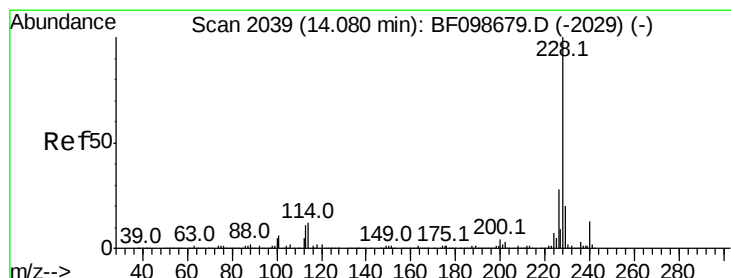
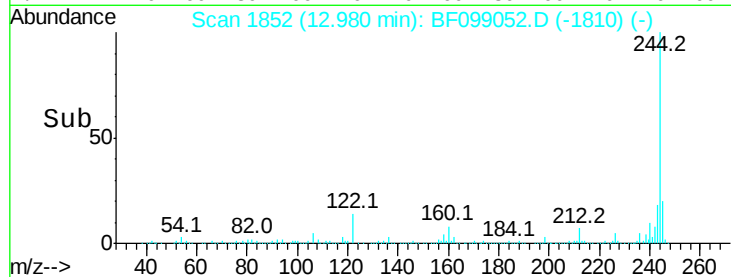
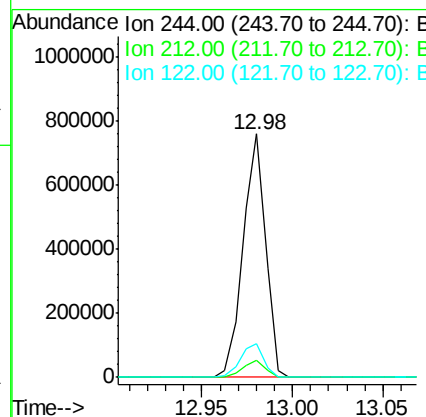
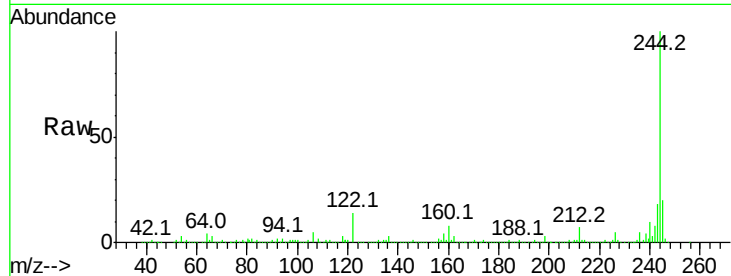
#78
 Terphenyl-d14
 Concen: 62.191 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.05 min
 Lab File: BF099052.D
 Acq: 4 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.8	11.0	16.4

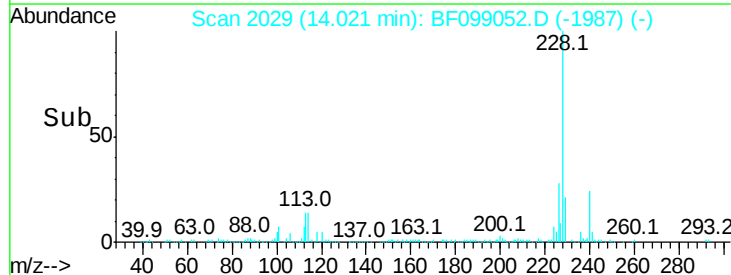
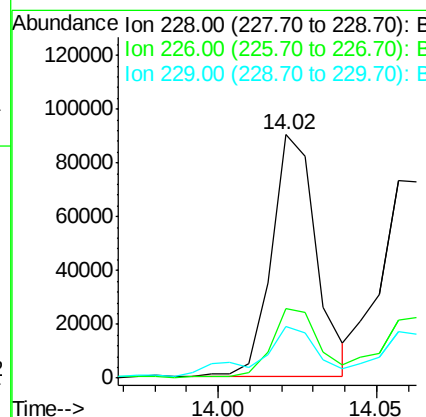
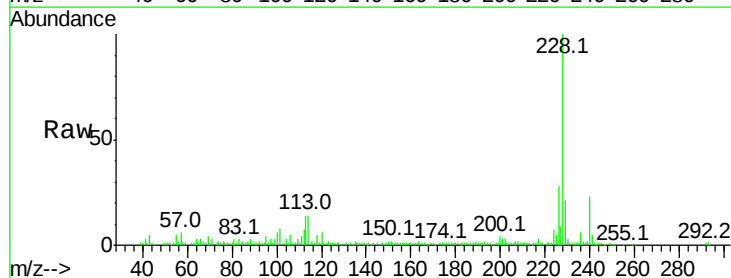
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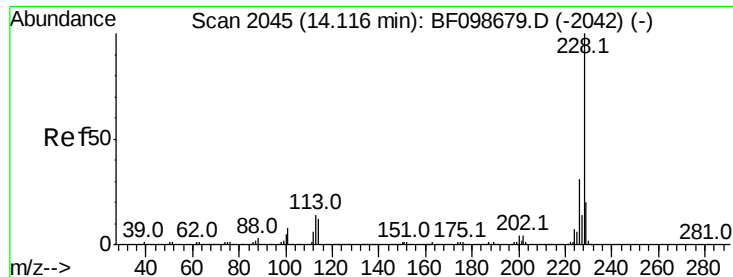
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#80
 Benzo(a)anthracene
 Concen: 6.138 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.05 min
 Lab File: BF099052.D
 Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 5.642 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.06 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Instrument :

BNA_F

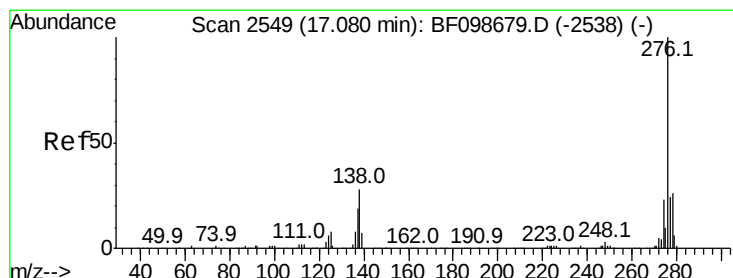
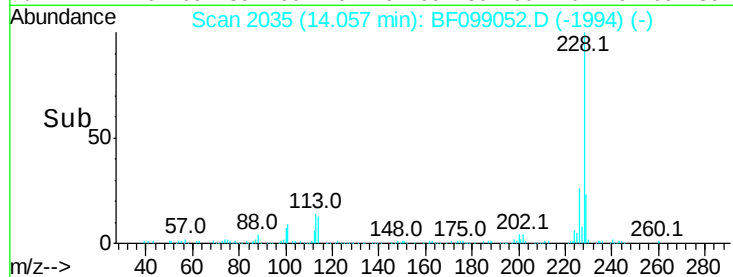
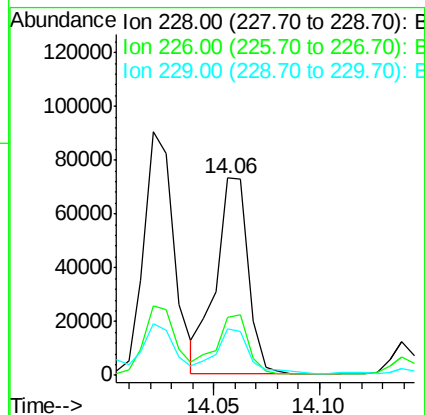
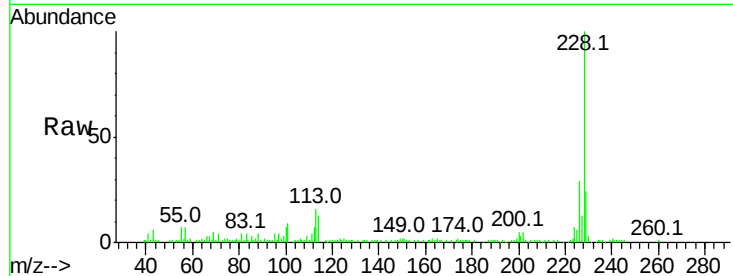
ClientSampleId :

1B-(1-2)-COMP-(0-5)

Tot Ion:	228	Resp:	77701
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	23.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.054 ng

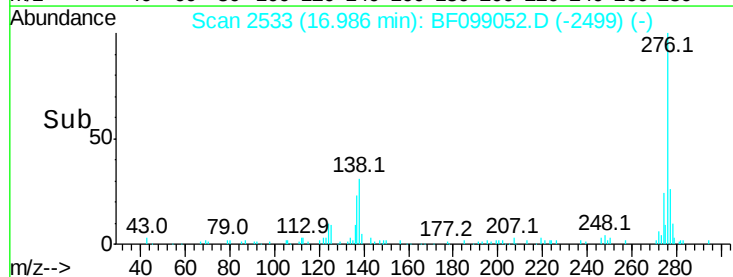
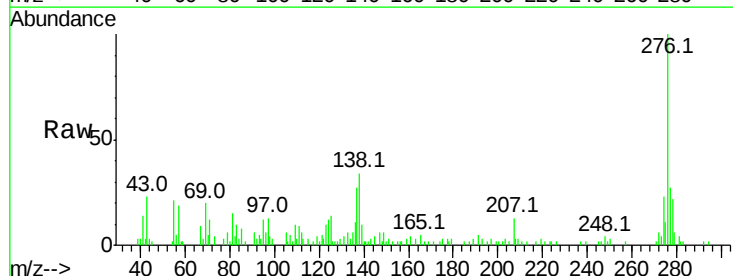
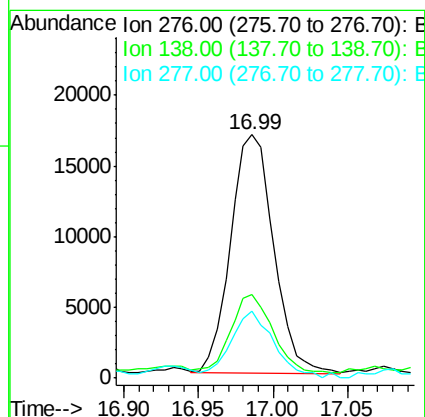
RT: 16.99 min Scan# 2533

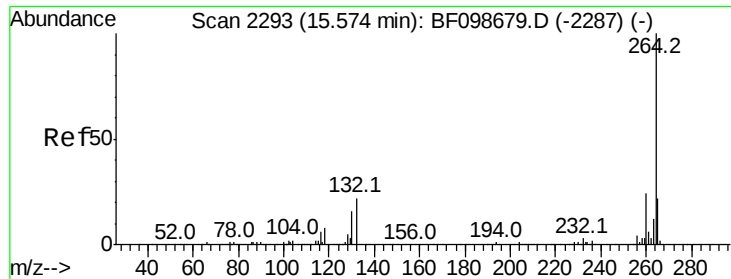
Delta R.T. -0.10 min

Lab File: BF099052.D

Acq: 4 Oct 2017 1:25

Tgt Ion:	276	Resp:	33644
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.0	37.6
277	28.7	20.1	30.1





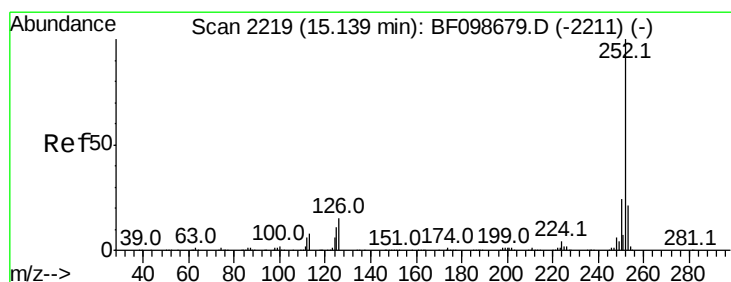
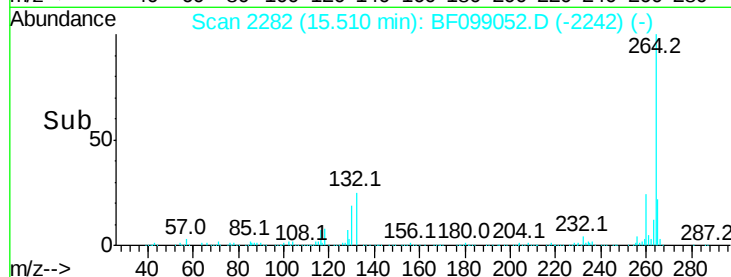
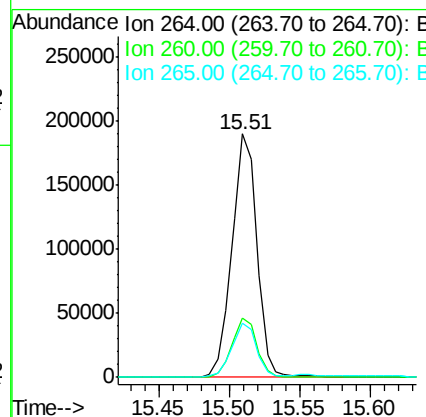
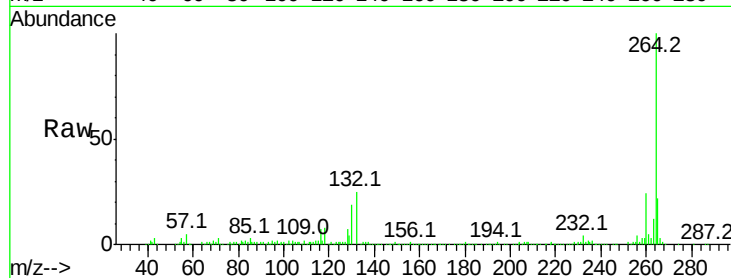
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.3	17.5	26.3

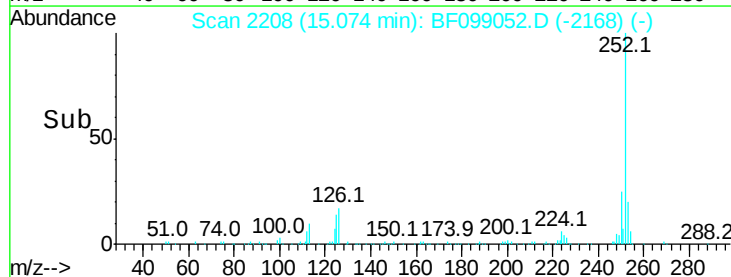
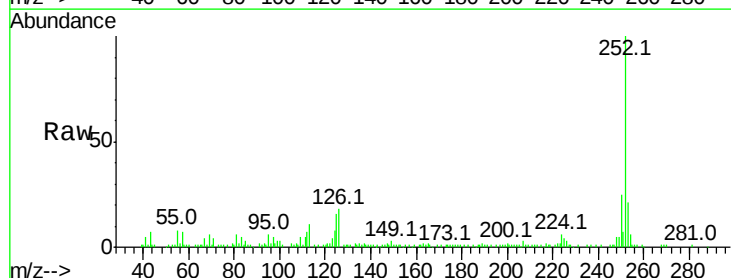
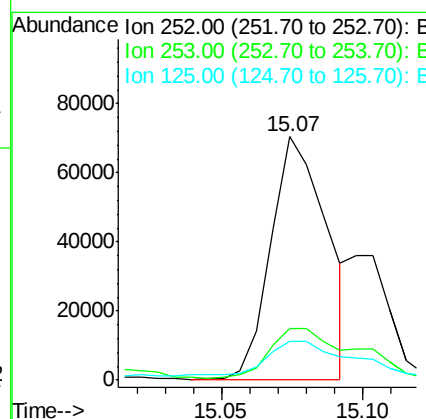
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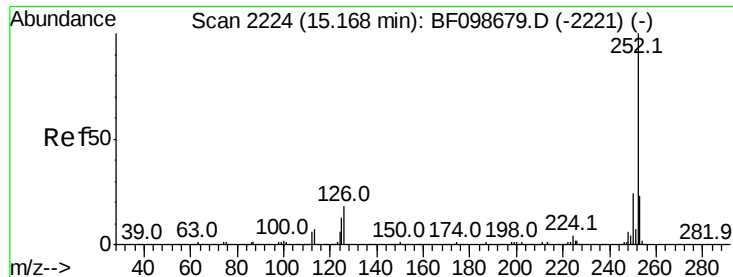
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#87
Benzo(b)fluoranthene
Concen: 6.768 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	16.0	9.0	13.6#





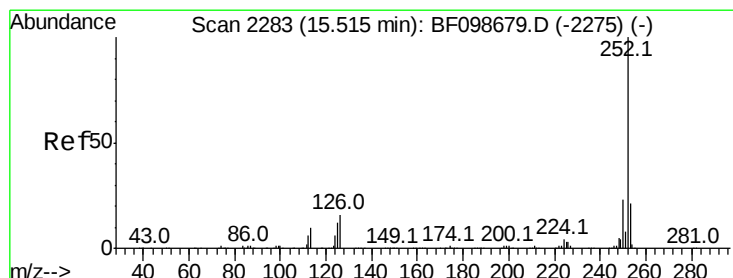
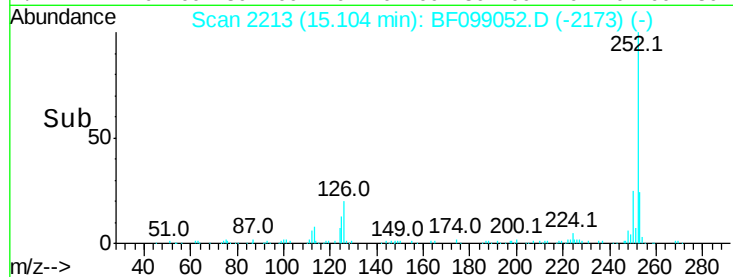
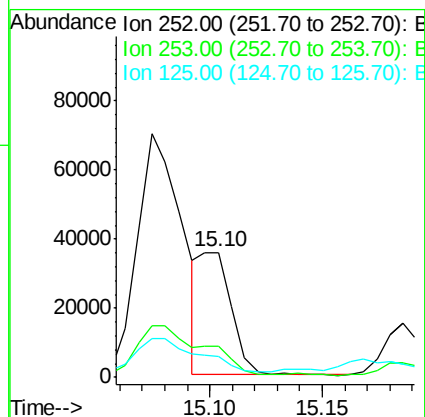
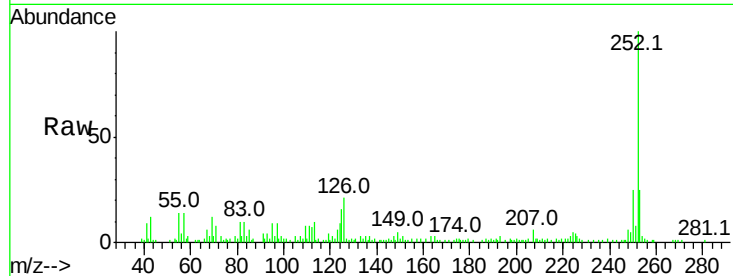
#88
Benzo(k)fluoranthene
Concen: 2.356 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	16.4	10.2	15.2

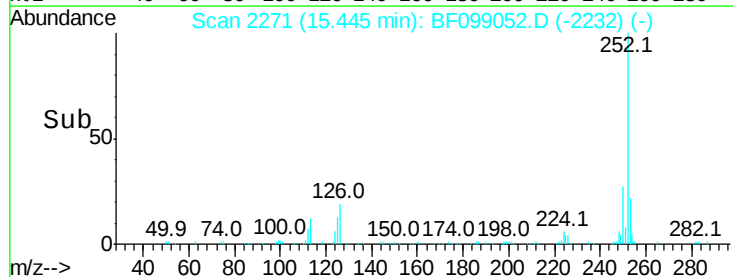
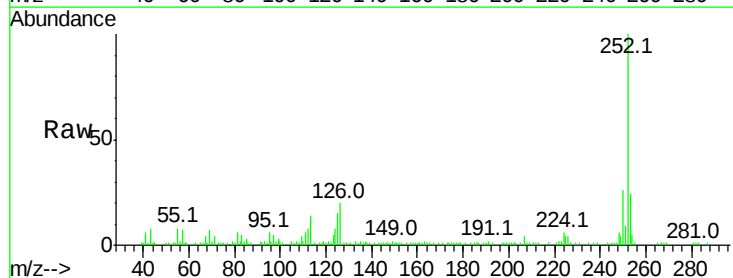
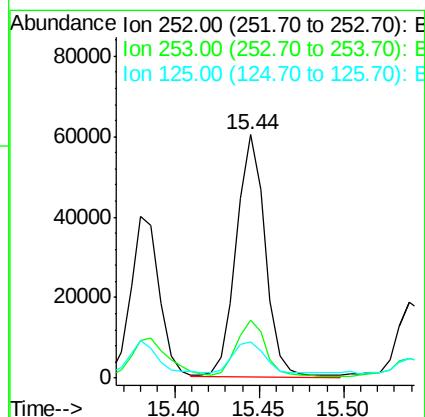
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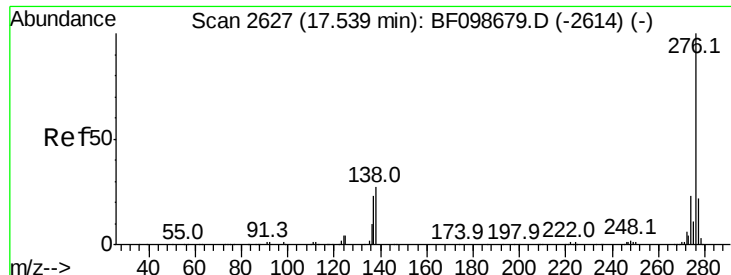
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#89
Benzo(a)pyrene
Concen: 5.473 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099052.D
Acq: 4 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.120 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.11 min
 Lab File: BF099052.D
 Acq: 4 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 1B-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	30.9	21.8	32.8

Manual Integrations
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