

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099090.D
 Acq On : 5 Oct 2017 2:08
 Operator : SJ/JU
 Sample : I5585-09 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G69-0-1.5

Manual Integrations
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Quant Time: Oct 05 05:57:57 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	6.86	152	108824	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	441868	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	185793	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	288889	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	181925	20.00	ng	-0.06
86) Perylene-d12	15.50	264	187250	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	154052	22.54	ng	-0.06
7) Phenol-d6	6.49	99	185196	21.96	ng	-0.06
23) Nitrobenzene-d5	7.42	82	105746	15.35	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	28008	18.42	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	209750	18.85	ng	-0.06
78) Terphenyl-d14	12.96	244	123611	15.45	ng	-0.07
Target Compounds						
70) Phenanthrene	11.41	178	32241	2.085	ng	99
74) Fluoranthene	12.60	202	56183	3.588	ng	100
77) Pyrene	12.83	202	51096	3.683	ng	97
80) Benzo(a)anthracene	14.02	228	23493	2.133	ng	93
82) Chrysene	14.05	228	24429	2.329	ng	94
87) Benzo(b)fluoranthene	15.06	252	41413m	3.597	ng	
89) Benzo(a)pyrene	15.43	252	26001	2.460	ng	# 94

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

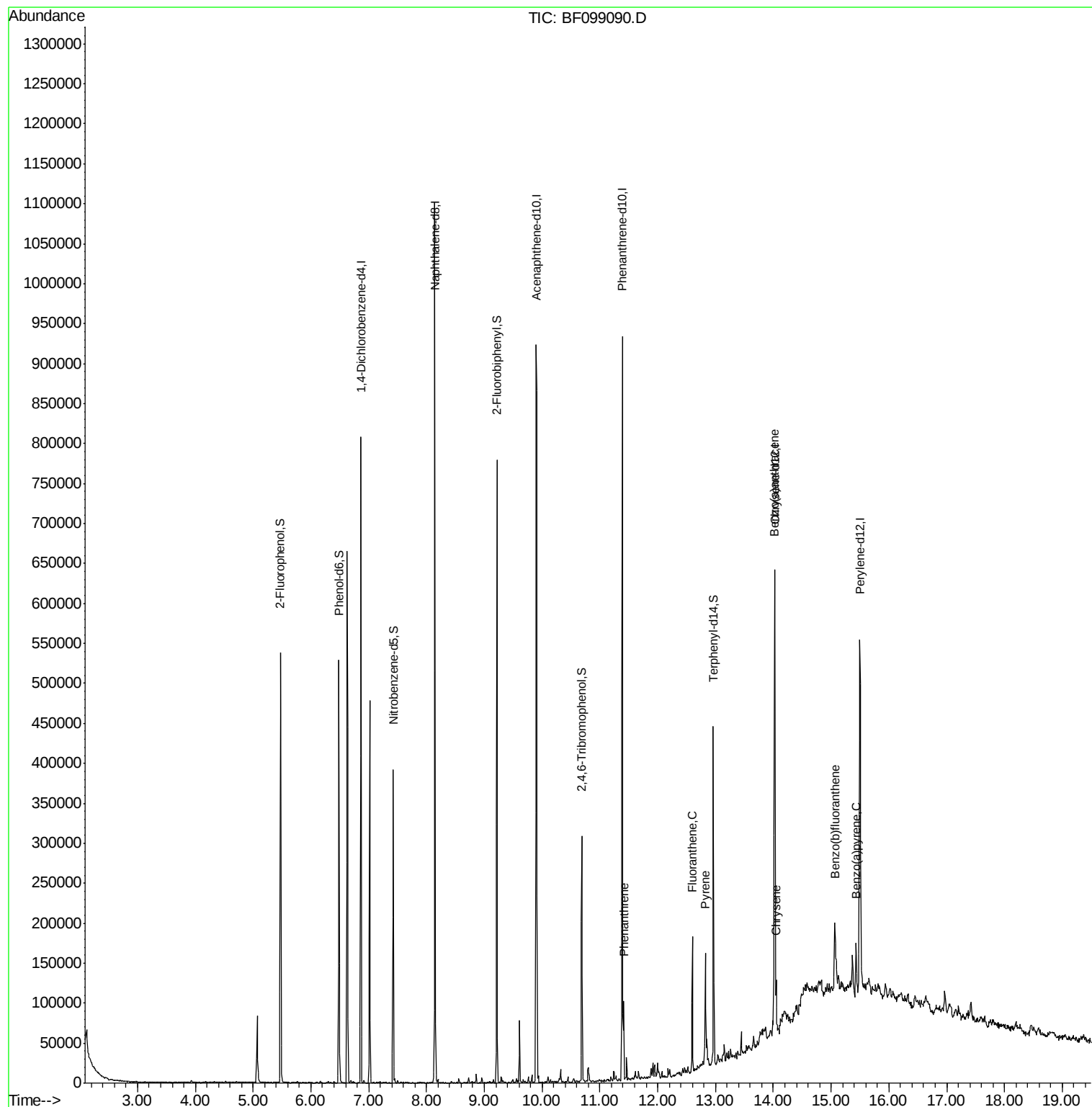
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
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ALS Vial : 26 Sample Multiplier: 1

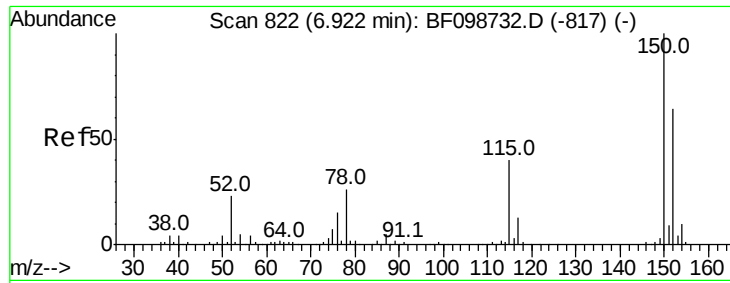
Instrument :
BNA_F
ClientSampleId :
G69-0-1.5

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Quant Time: Oct 05 05:57:57 2017
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#1

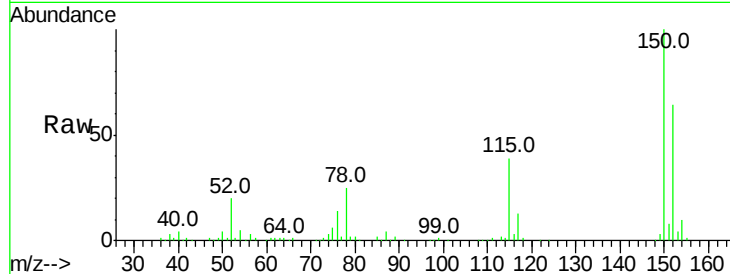
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampled :
G69-0-1.5

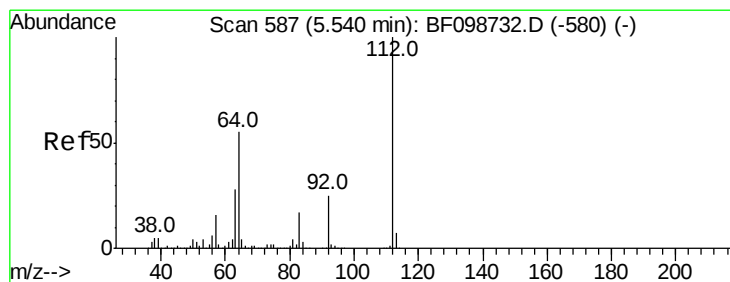
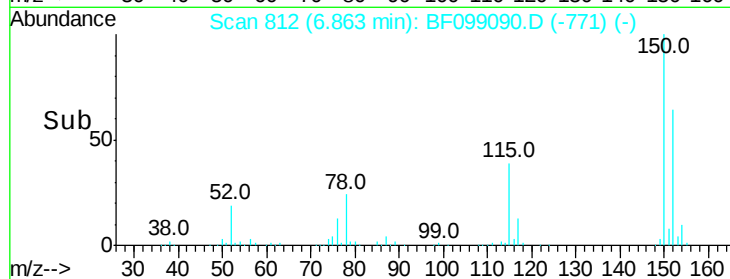
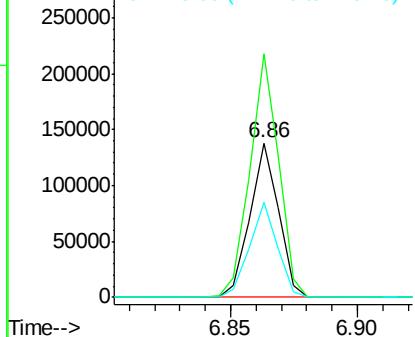
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	61.3	50.1	75.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

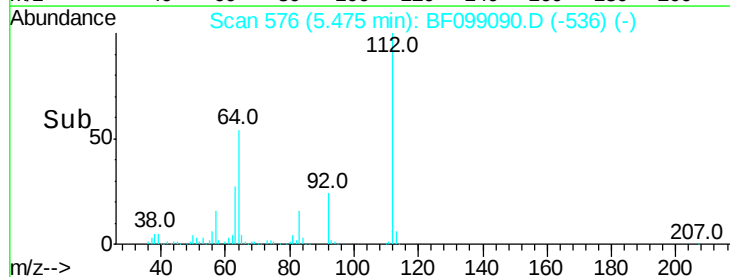
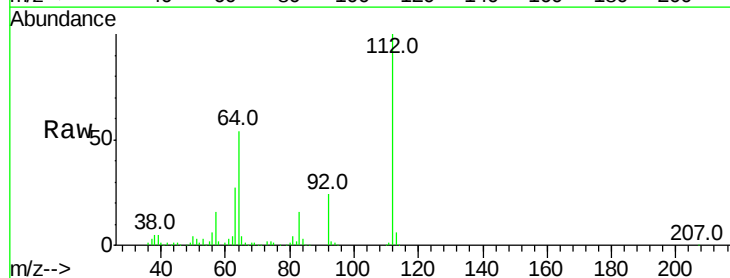
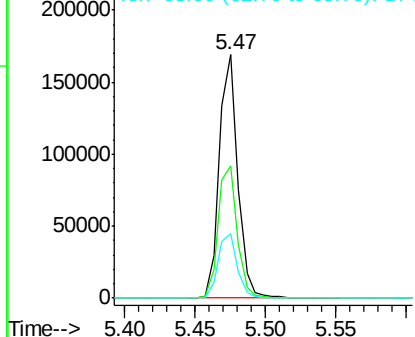


#5

2-Fluorophenol
Concen: 22.535 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	26.7	23.7	35.5

Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.961 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

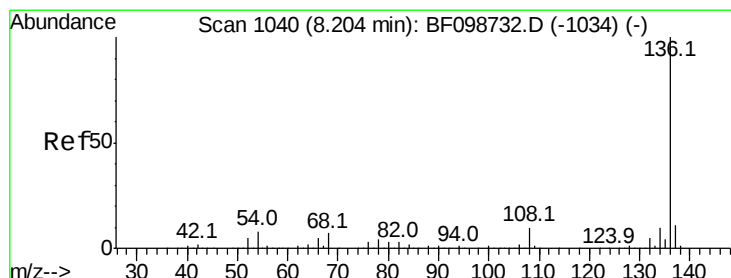
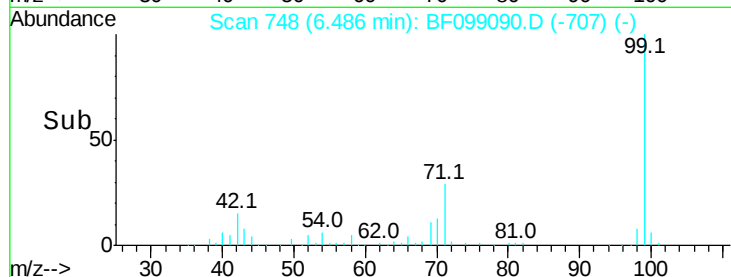
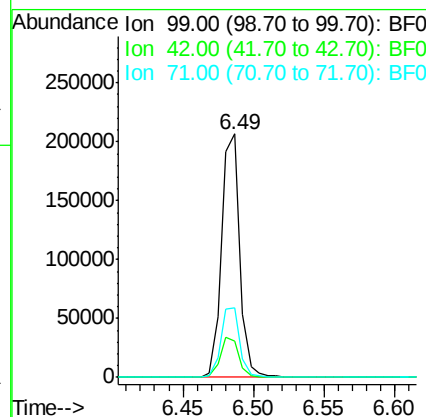
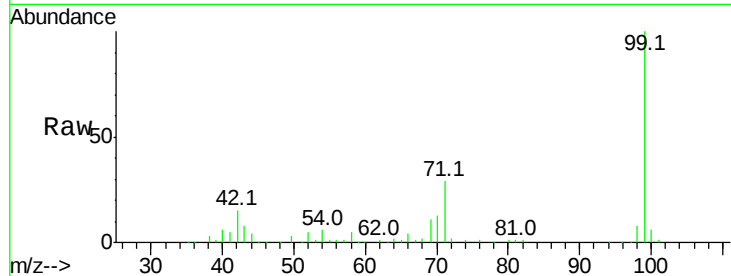
ClientSampled :

G69-0-1.5

Tot Ion:	99	Resp:	185196
Ion Ratio	Lower	Upper	
99	100		
42	15.1	14.5	21.7
71	28.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

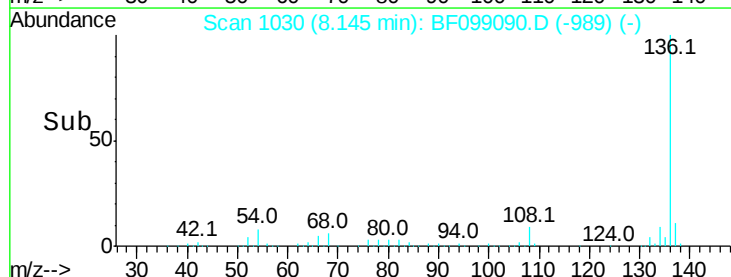
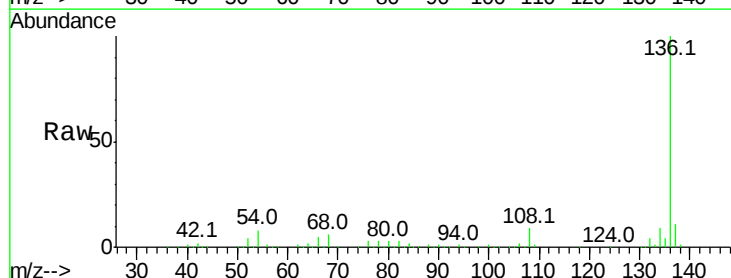
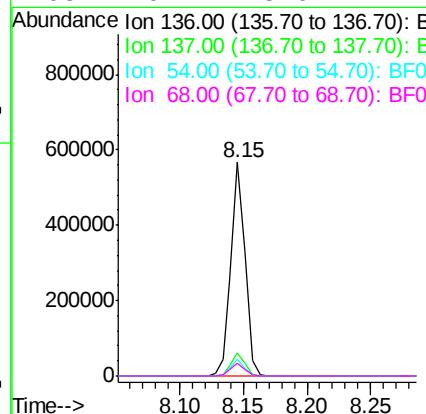
RT: 8.15 min Scan# 1030

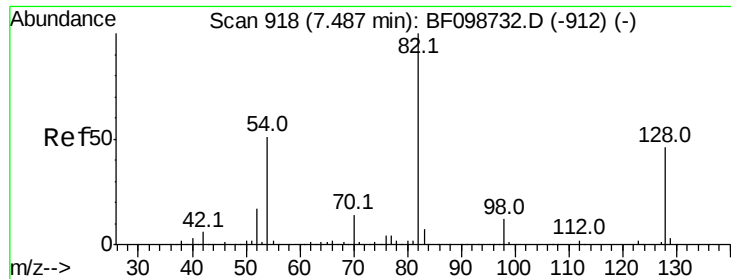
Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion:	136	Resp:	441868
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.0	6.6	9.8
68	6.2	5.0	7.4





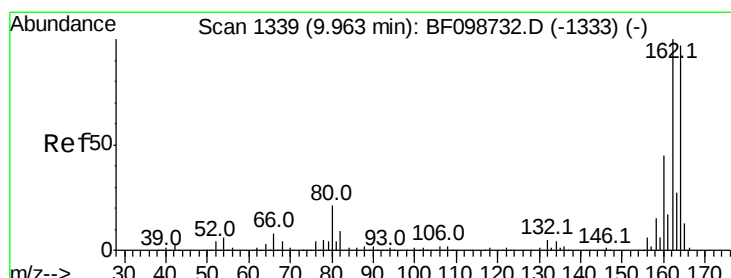
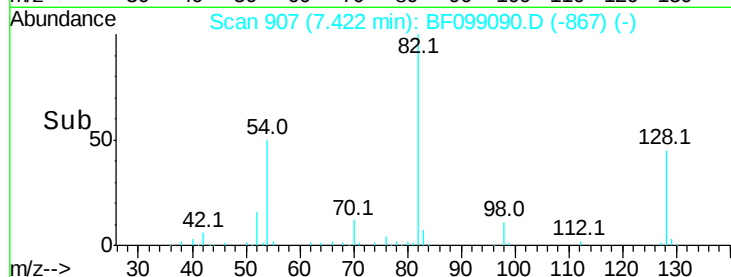
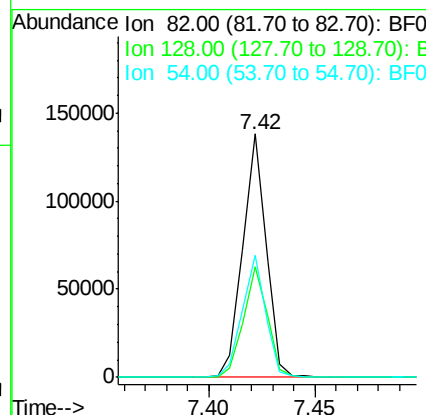
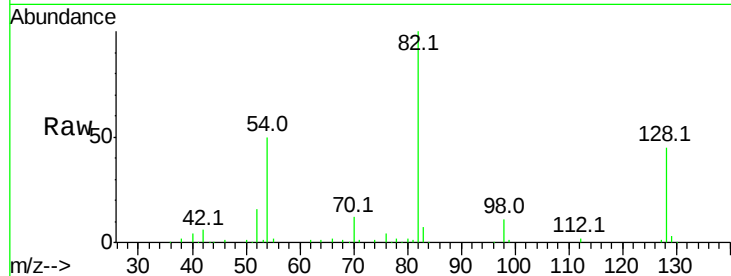
#23
 Nitrobenzene-d5
 Concen: 15.347 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Instrument :
 BNA_F
 ClientSampled :
 G69-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	36.1	54.1	
54	49.9	41.4	62.2	

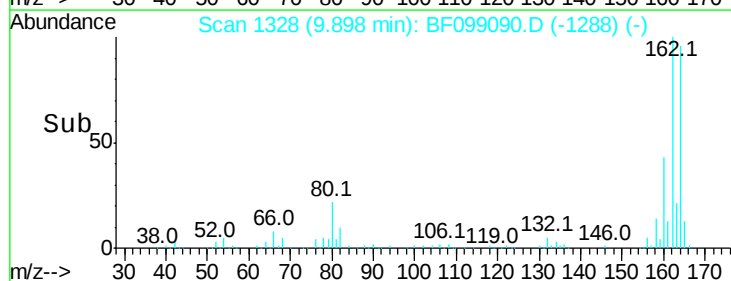
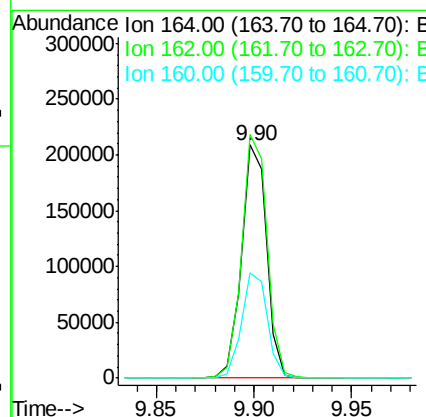
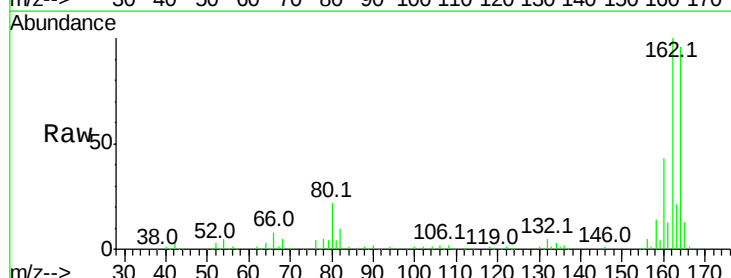
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	86.1	129.1	
160	45.3	38.3	57.5	





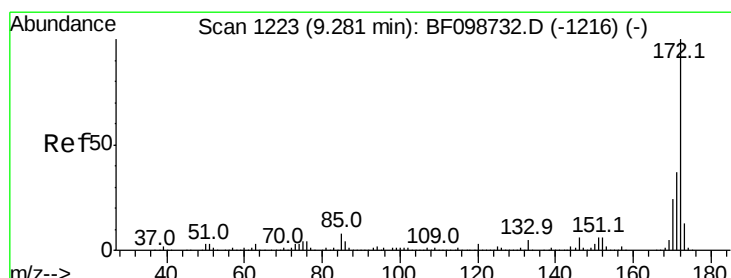
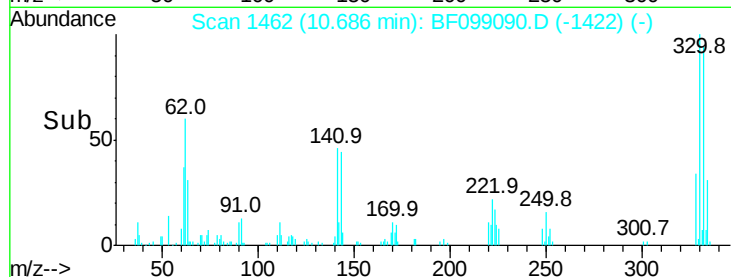
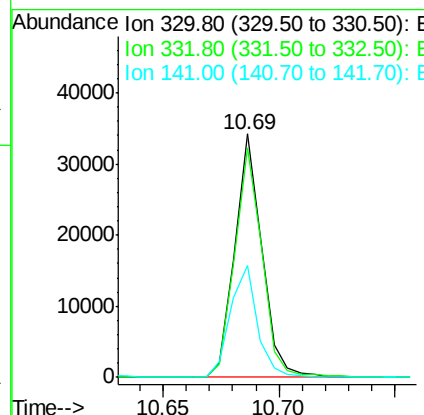
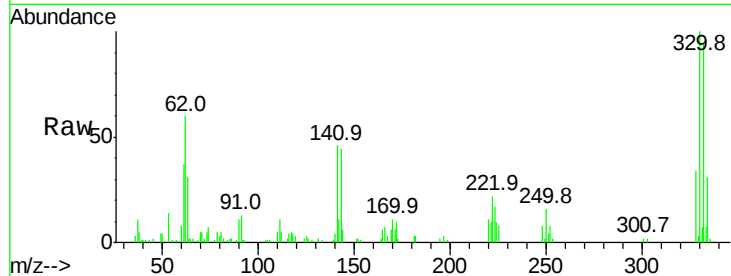
#41
 2,4,6-Tribromophenol
 Concen: 18.423 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Instrument :
 BNA_F
 ClientSampled :
 G69-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.0	115.6	
141	46.0	29.9	44.9	

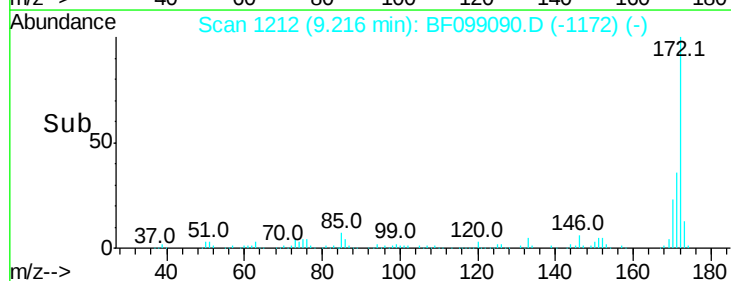
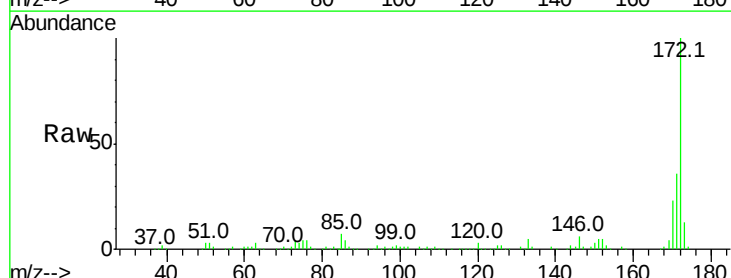
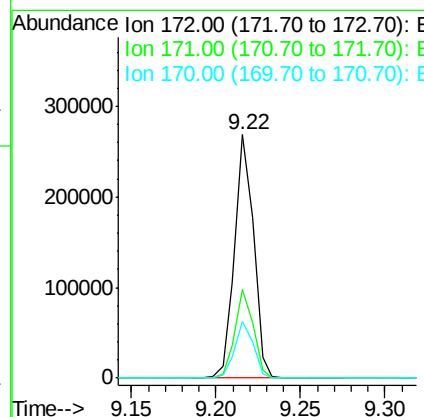
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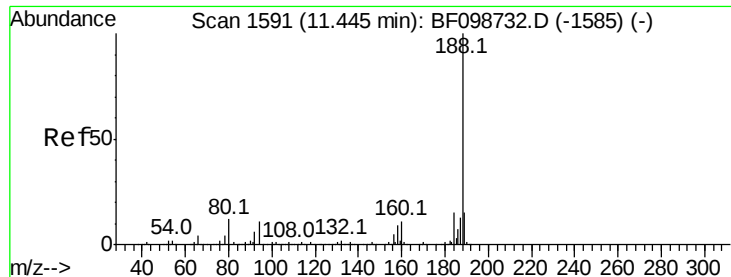
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#44
 2-Fluorobiphenyl
 Concen: 18.847 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	23.5	19.6	29.4	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

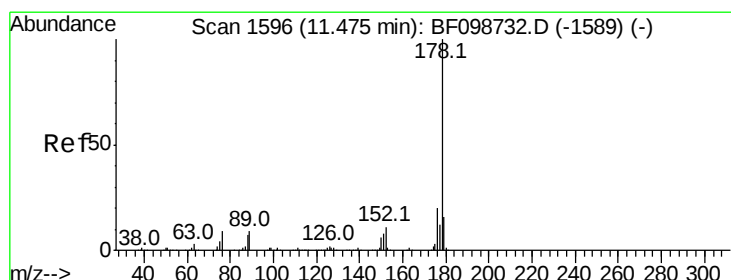
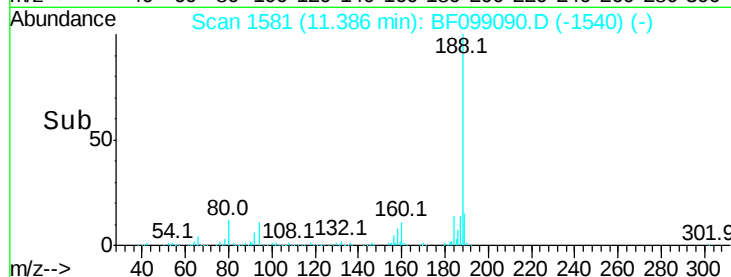
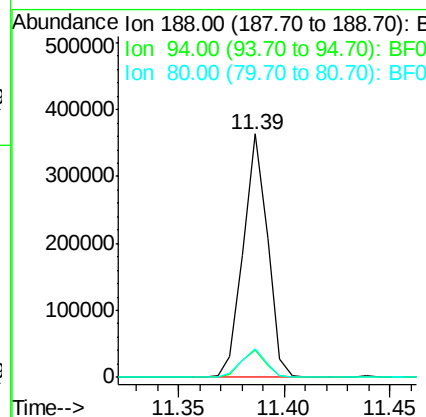
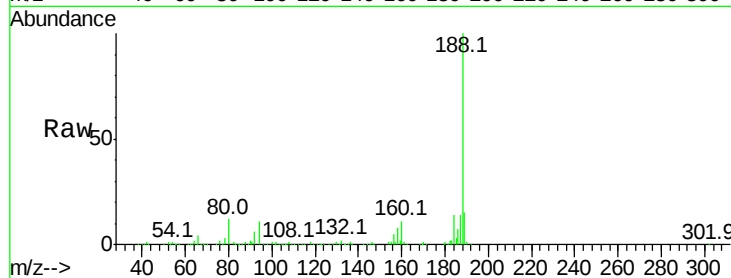
ClientSampled :

G69-0-1.5

Tot Ion:	188	Resp:	288889
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	11.9	9.2	13.8

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#70

Phenanthrene

Concen: 2.085 ng

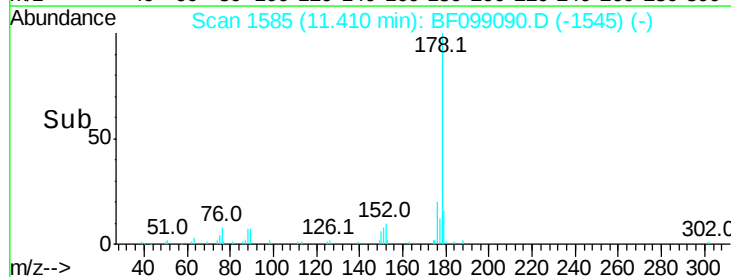
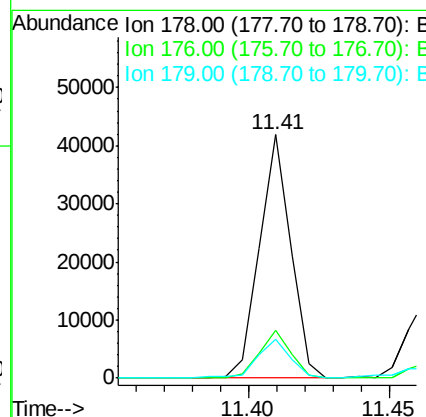
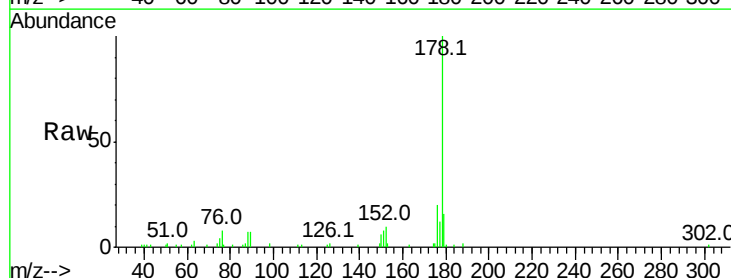
RT: 11.41 min Scan# 1585

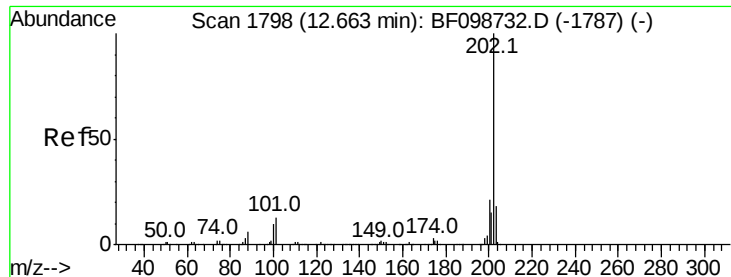
Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion:	178	Resp:	32241
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.9	13.0	19.6





#74

Fluoranthene

Concen: 3.588 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

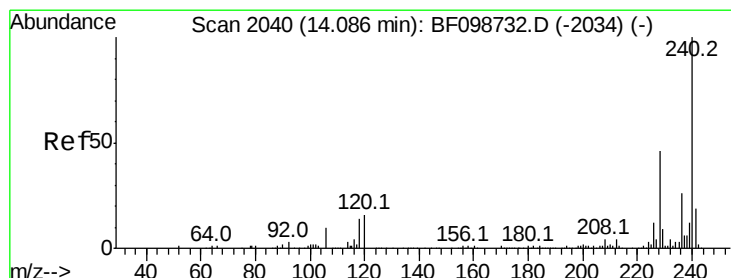
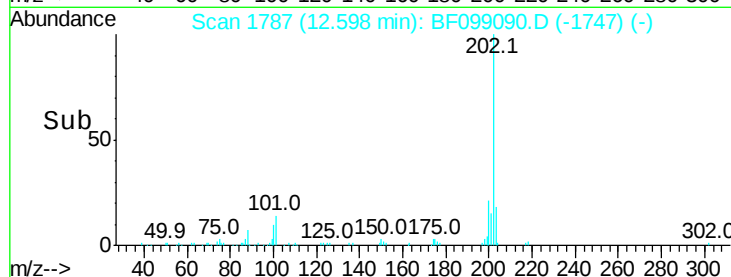
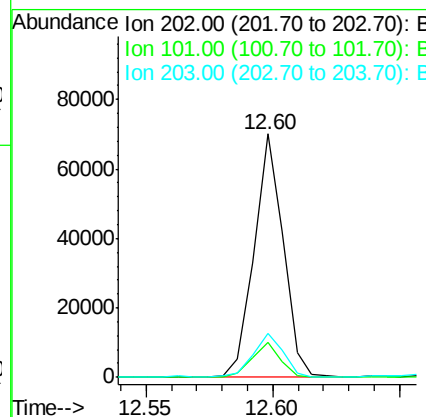
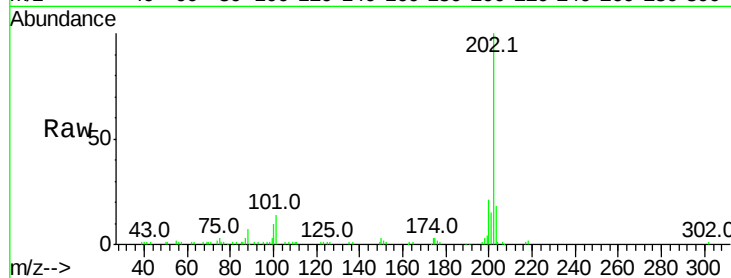
ClientSampleId :

G69-0-1.5

Tot Ion:	202	Resp:	56183
Ion Ratio		Lower	Upper
202	100		
101	14.3	0.0	34.1
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

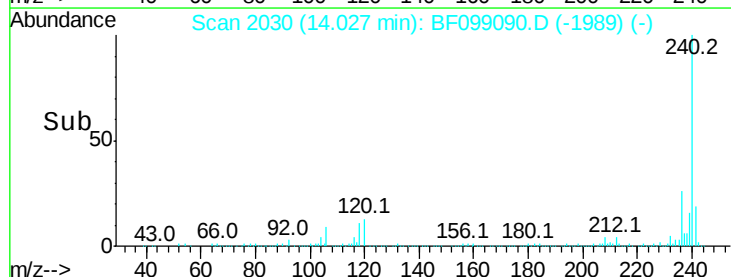
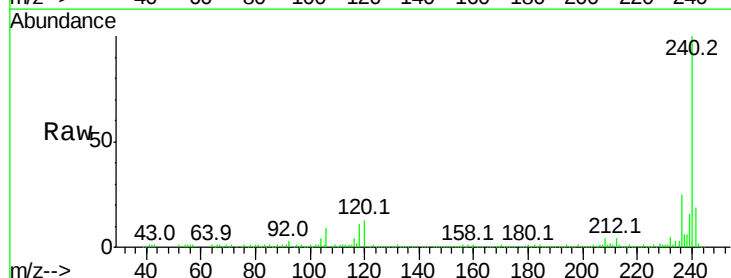
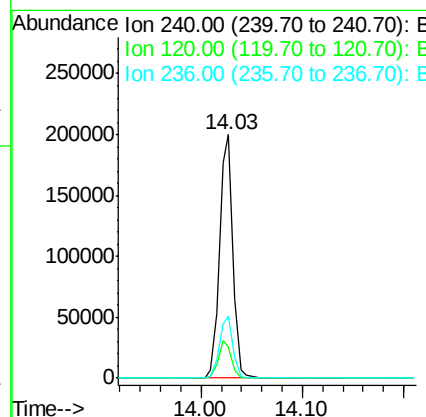
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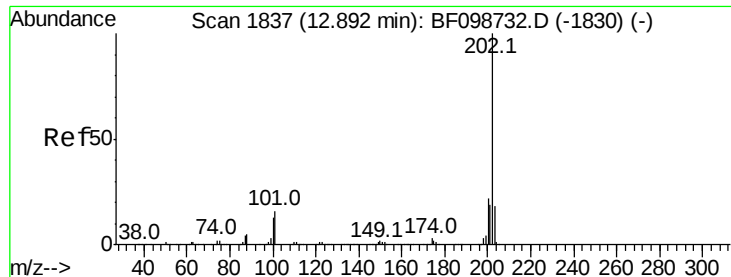
Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion:	240	Resp:	181925
Ion Ratio		Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.5	20.7	31.1





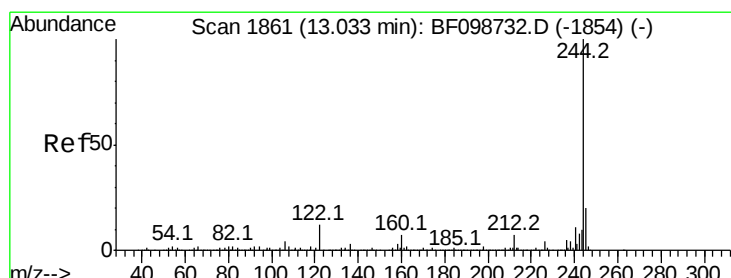
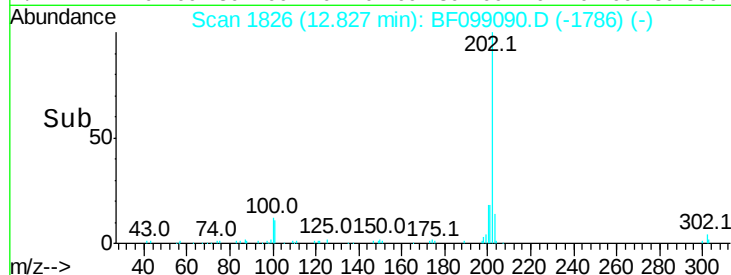
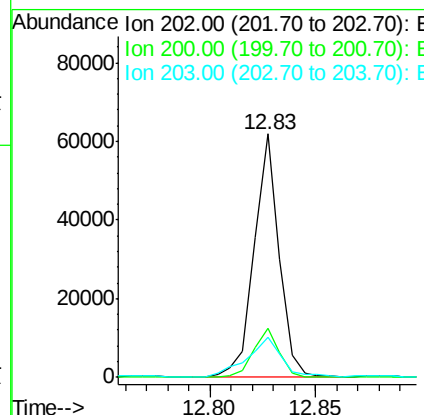
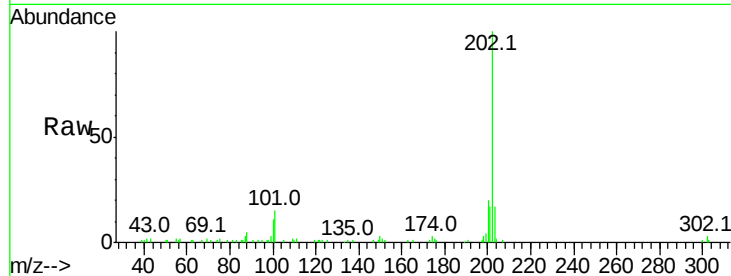
#77
Pvrene
Concen: 3.683 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampleId :
G69-0-1.5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	16.7	14.3	21.5

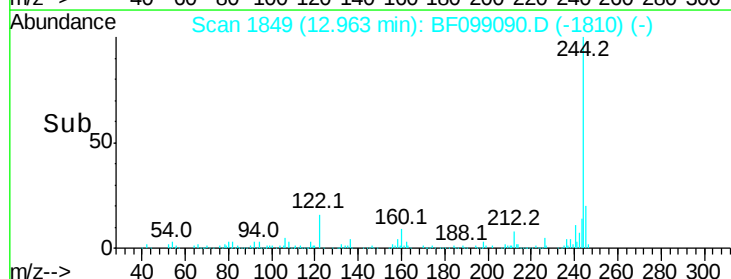
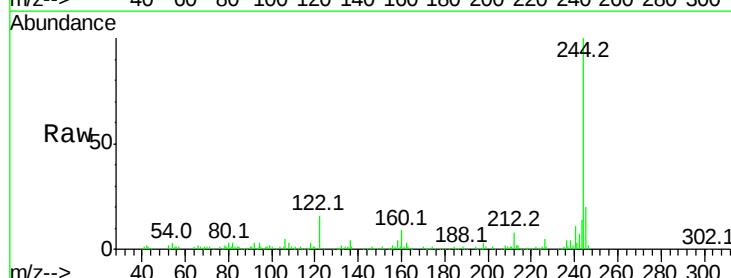
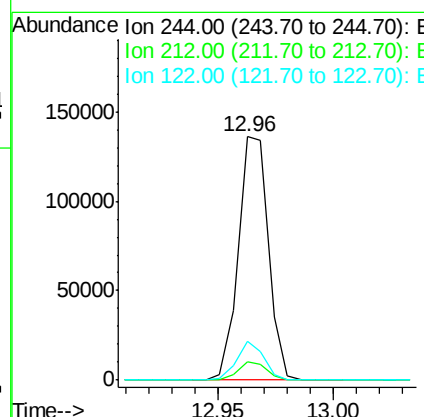
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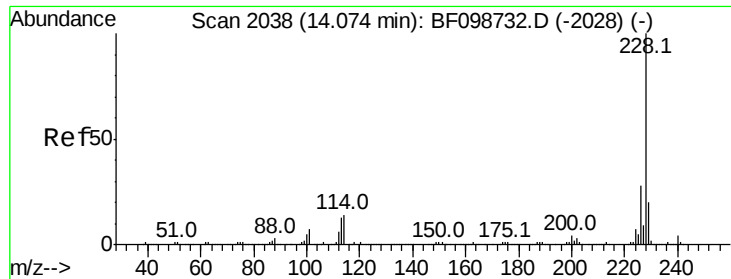
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#78
Terphenyl-d14
Concen: 15.452 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.07 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	15.8	11.0	16.4





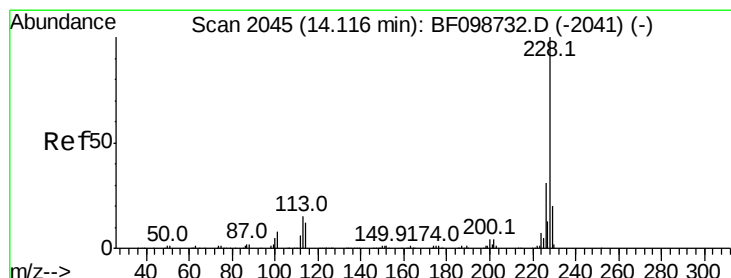
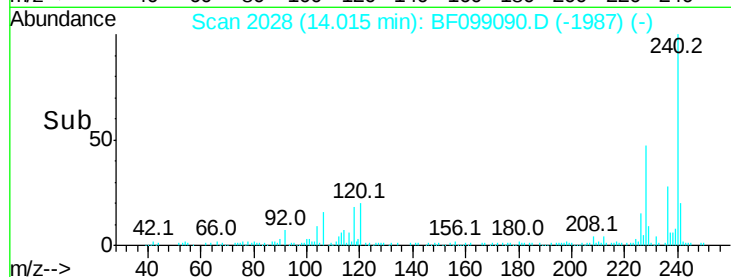
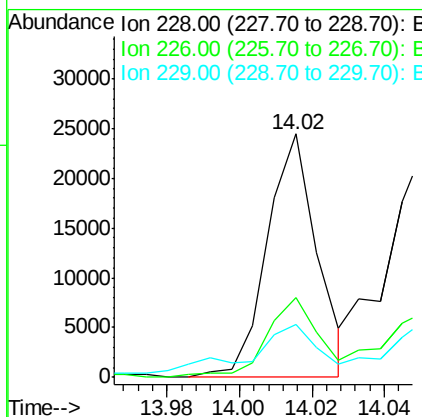
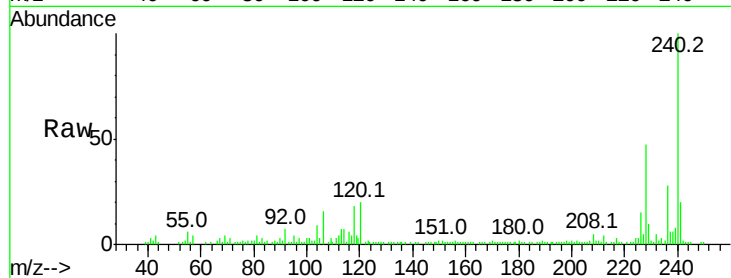
#80
Benzo(a)anthracene
Concen: 2.133 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampleId :
G69-0-1.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	21.6	15.8	23.6

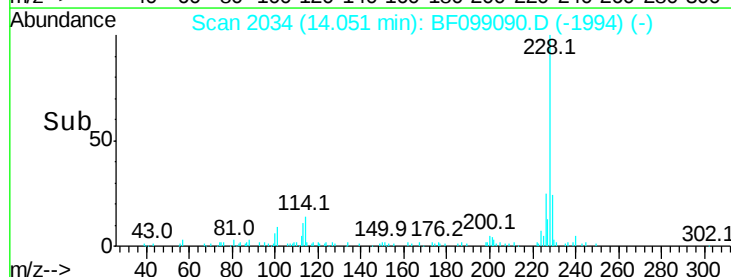
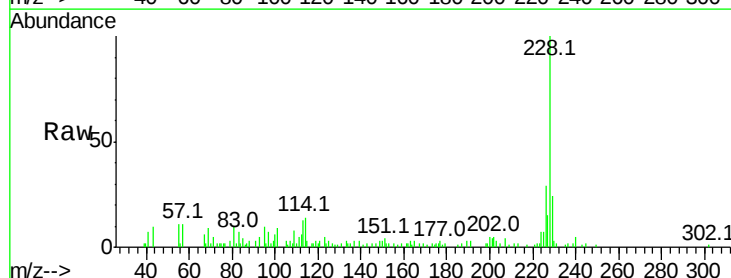
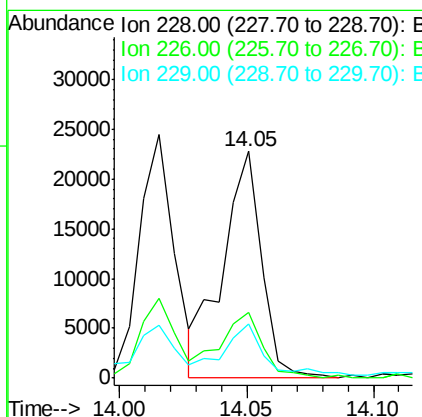
Manual Integrations
APPROVED

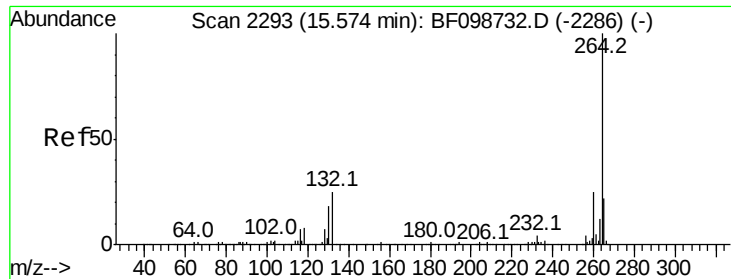
Sohil
10/5/2017 6:15:49 PM



#82
Chrysene
Concen: 2.329 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	24.0	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.08 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

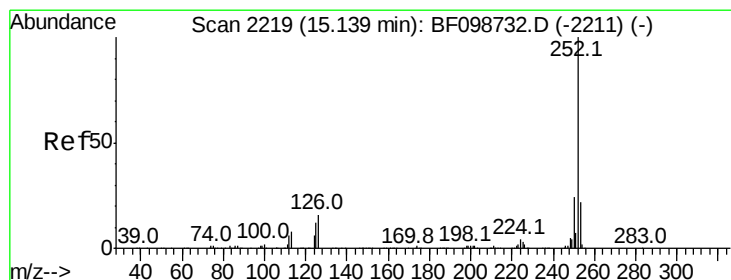
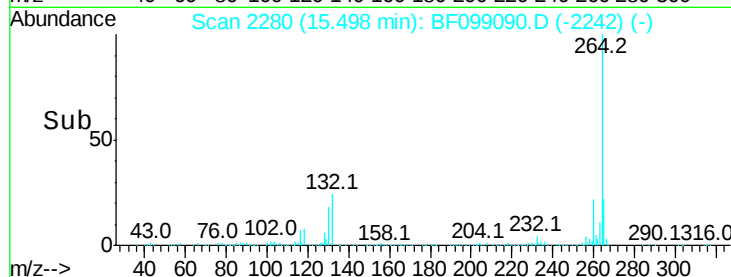
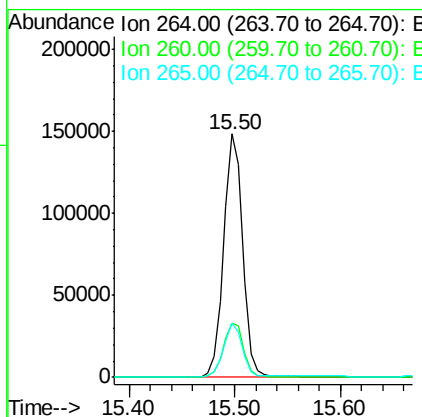
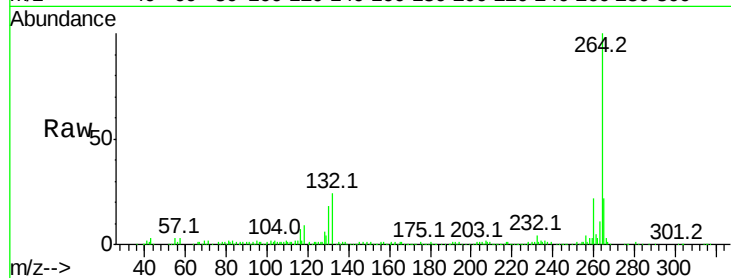
ClientSampleId :

G69-0-1.5

Tot Ion:	264	Resp:	187250
Ion Ratio		Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.3	17.5	26.3

Manual Integrations
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10/5/2017 6:15:49 PM



#87

Benzo(b)fluoranthene

Concen: 3.597 ng m

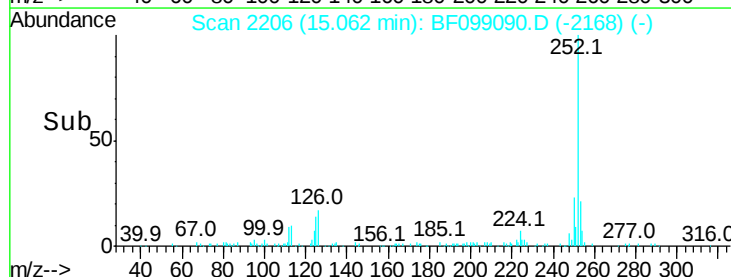
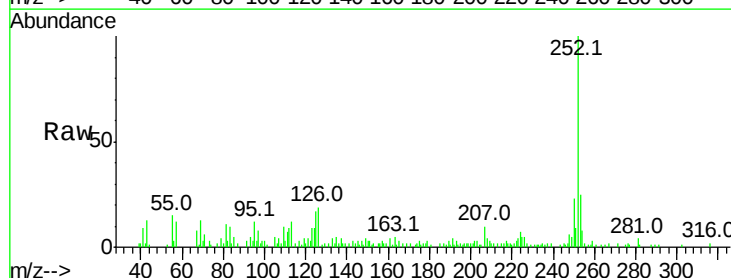
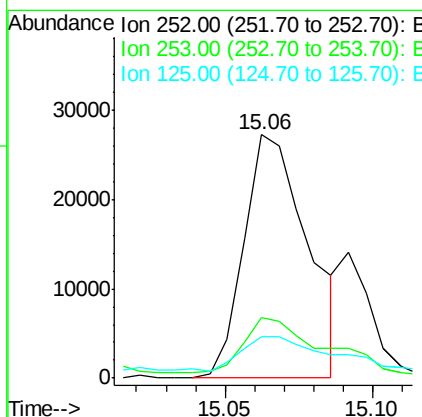
RT: 15.06 min Scan# 2206

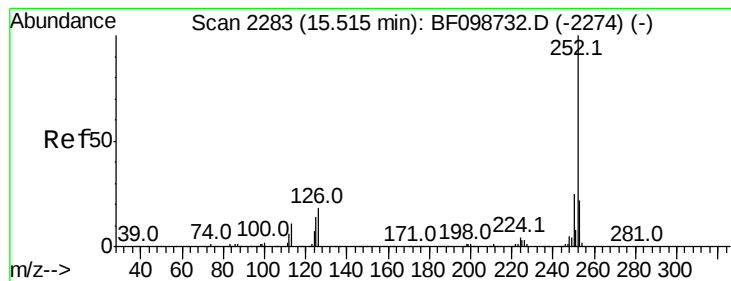
Delta R.T. -0.08 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion:	252	Resp:	41413
Ion Ratio		Lower	Upper
252	100		
253	24.7	17.0	25.6
125	17.2	9.0	13.6#





#89
 Benzo(a)pyrene
 Concen: 2.460 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.08 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 G69-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	16.1	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 10/5/2017 6:15:49 PM

