

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099118.D
 Acq On : 5 Oct 2017 22:09
 Operator : SJ/JU
 Sample : I5585-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G67-0-1

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:34:57 PM

Quant Time: Oct 06 03:06:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125488	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	533346	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	232209	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	370722	20.00	ng	0.00
75) Chrysene-d12	14.03	240	218803	20.00	ng	0.00
86) Perylene-d12	15.50	264	234761	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	201104	25.51	ng	-0.01
7) Phenol-d6	6.48	99	249166	25.62	ng	-0.02
23) Nitrobenzene-d5	7.42	82	143672	17.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	40798	21.47	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	281016	20.20	ng	-0.01
78) Terphenyl-d14	12.96	244	180933	18.81	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	37411	2.135	ng	97
51) Acenaphthene	9.93	154	31975	2.201	ng	98
54) Dibenzofuran	10.10	168	77957	4.030	ng	98
70) Phenanthrene	11.41	178	489510	24.668	ng	99
71) Anthracene	11.46	178	138746	6.833	ng	98
74) Fluoranthene	12.60	202	386015	19.210	ng	100
77) Pyrene	12.83	202	299754	17.966	ng	99
80) Benzo(a)anthracene	14.02	228	127817	9.647	ng	96
82) Chrysene	14.05	228	128704	10.203	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	74567	7.390	ng	98
87) Benzo(b)fluoranthene	15.07	252	202277m	14.014	ng	
88) Benzo(k)fluoranthene	15.09	252	52262m	3.666	ng	
89) Benzo(a)pyrene	15.43	252	99409	7.503	ng	# 95
91) Benzo(a,h,i)perylene	17.42	276	65468	6.246	ng	94

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

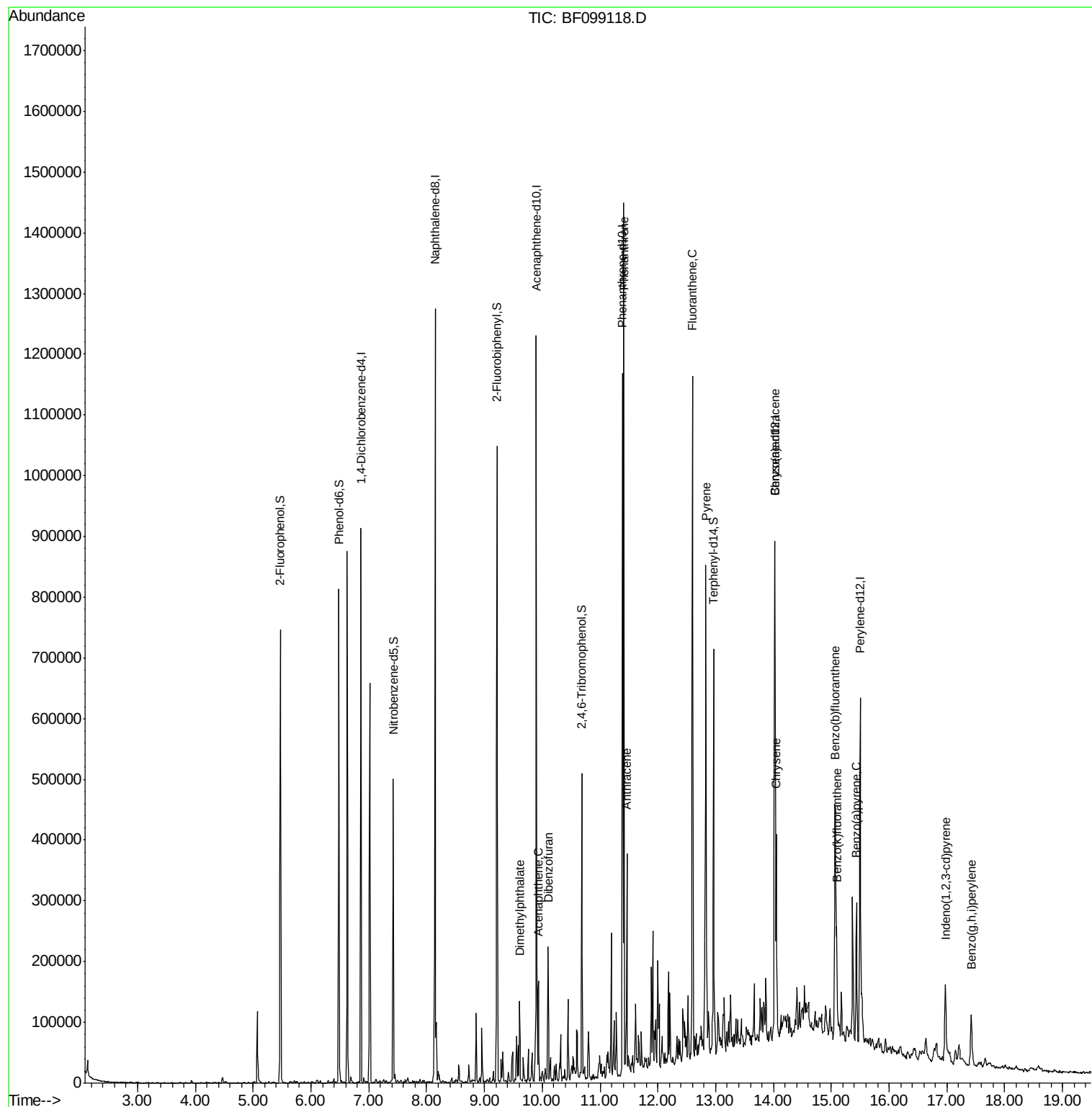
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
Data File : BF099118.D
Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

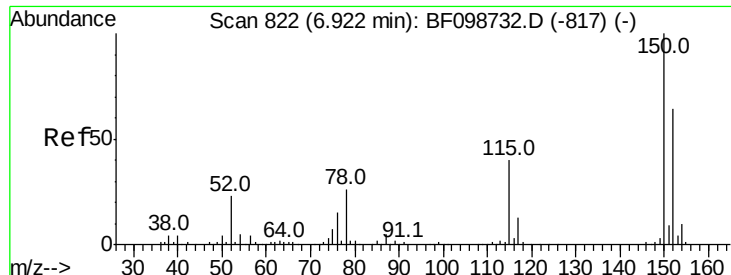
Instrument :
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G67-0-1

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#1

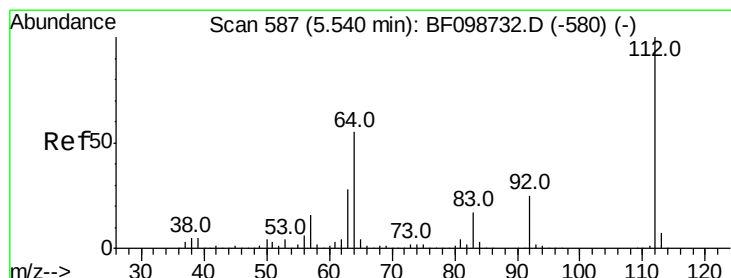
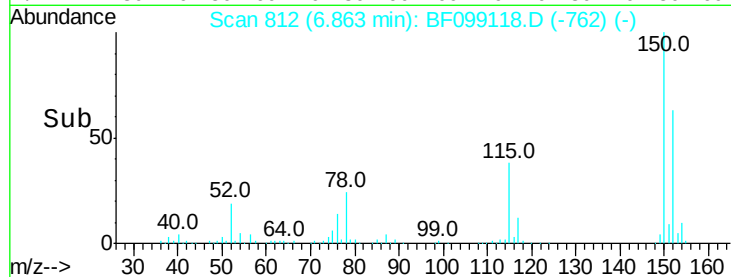
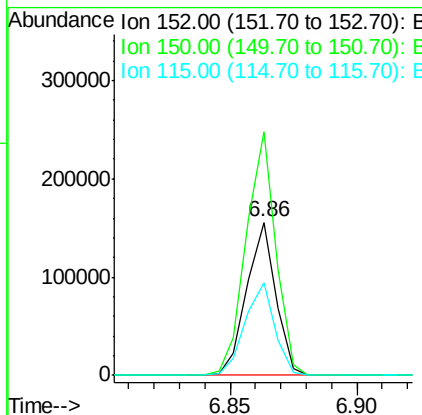
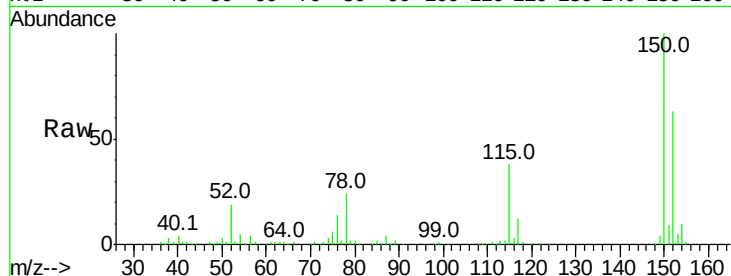
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampleId :
G67-0-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	60.7	50.1	75.1

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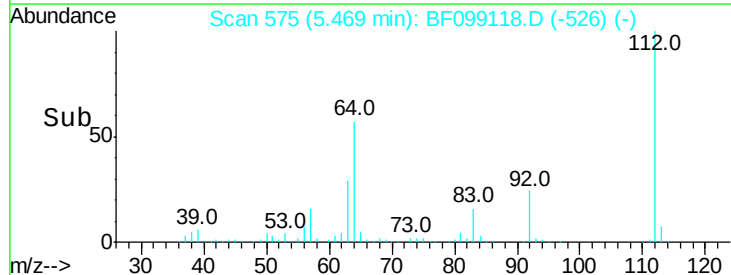
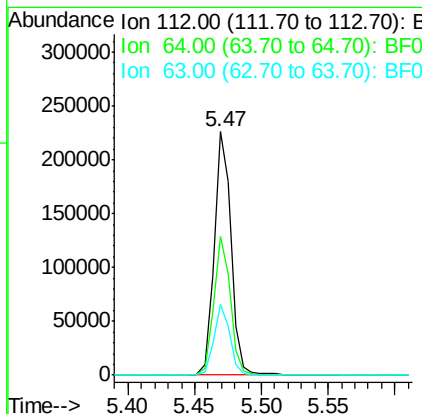
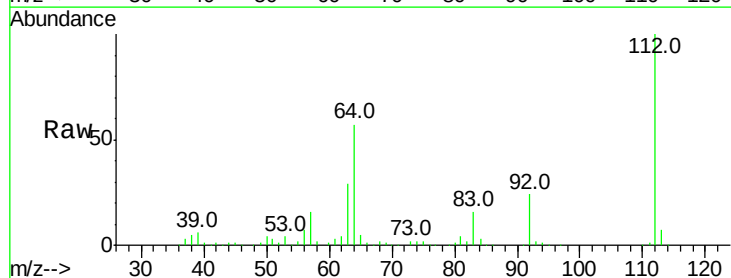
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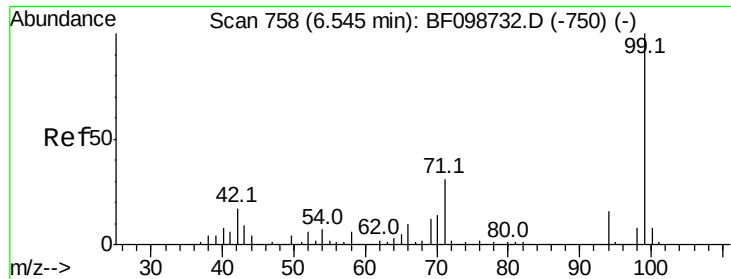


#5

2-Fluorophenol
Concen: 25.511 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 25.623 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Instrument :

BNA_F

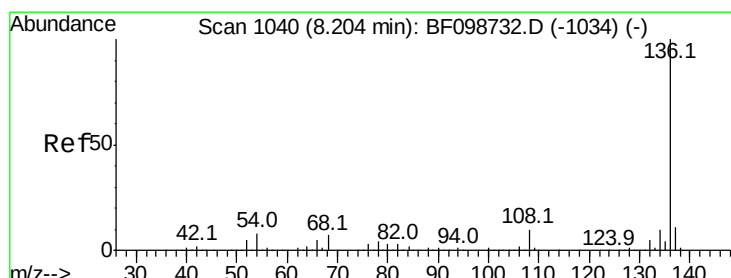
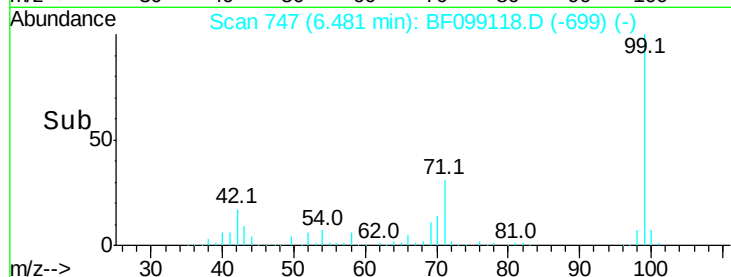
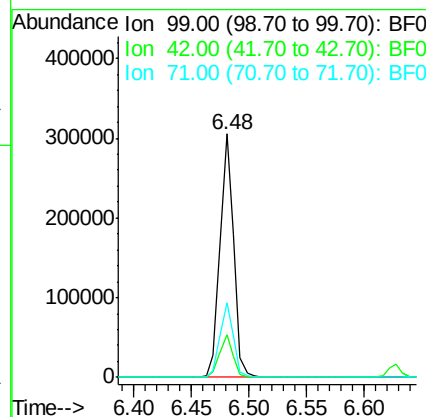
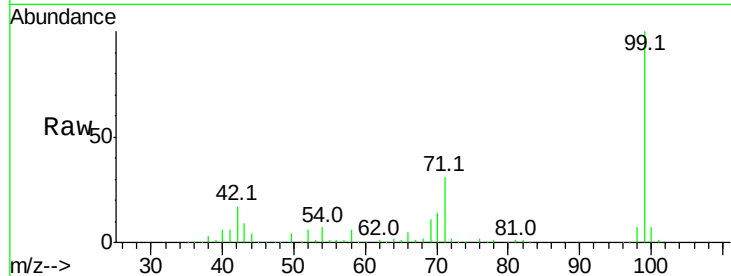
ClientSampleId :

G67-0-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		249166		
42	17.5	14.5	21.7		
71	30.5	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

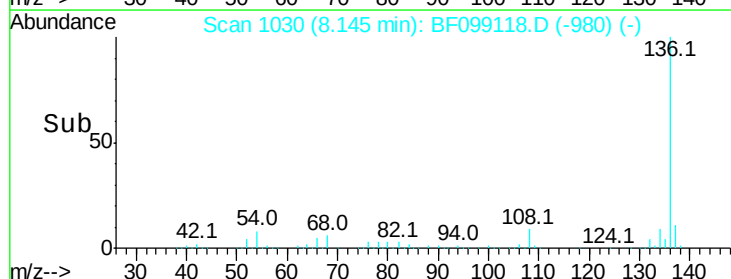
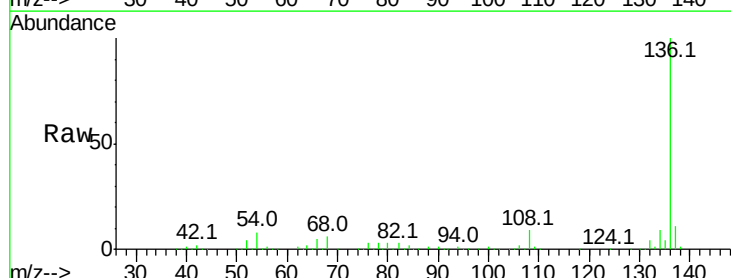
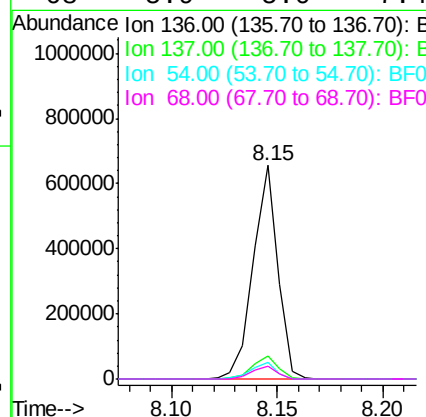
RT: 8.15 min Scan# 1030

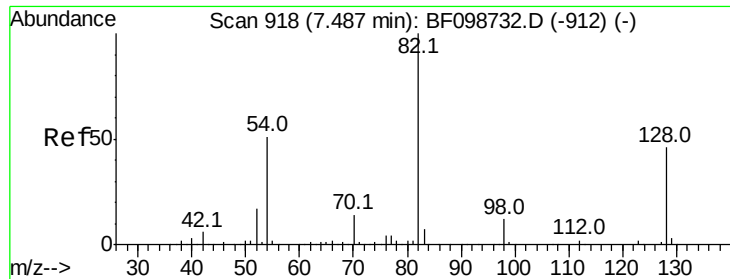
Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		533346		
137	10.9	8.9	13.3		
54	7.6	6.6	9.8		
68	5.9	5.0	7.4		





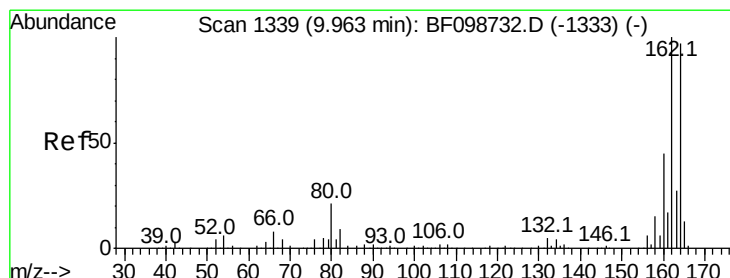
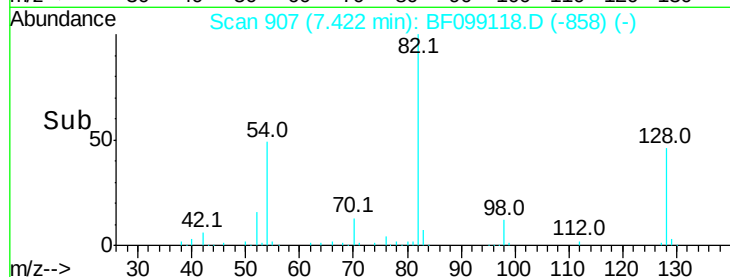
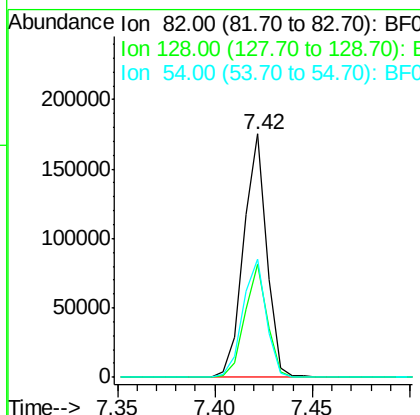
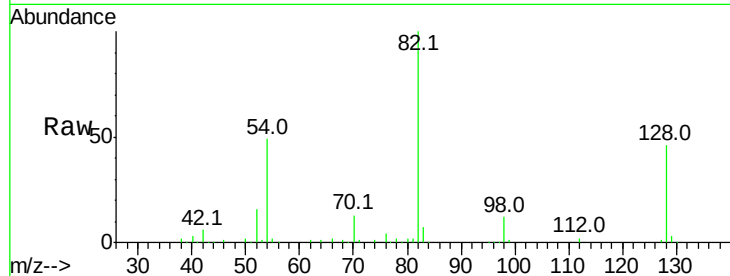
#23
 Nitrobenzene-d5
 Concen: 17.275 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099118.D
 Acq: 5 Oct 2017 22:09

Instrument :
 BNA_F
 ClientSampled :
 G67-0-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	36.1	54.1	
54	48.5	41.4	62.2	

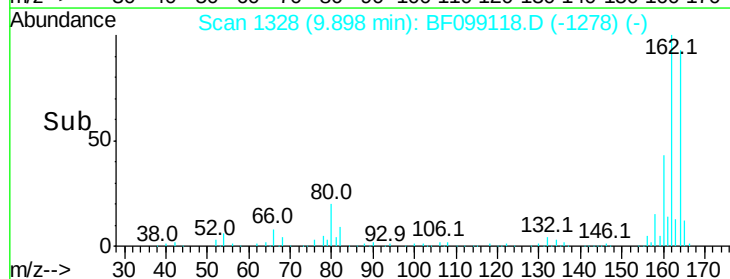
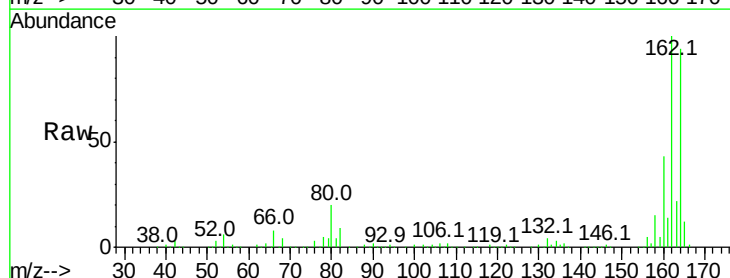
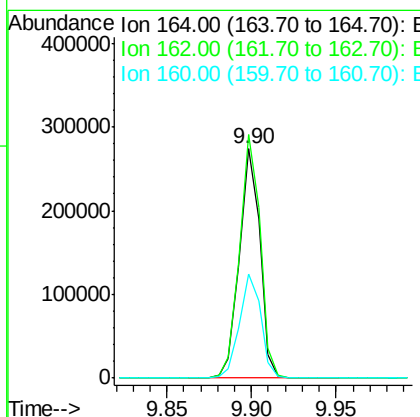
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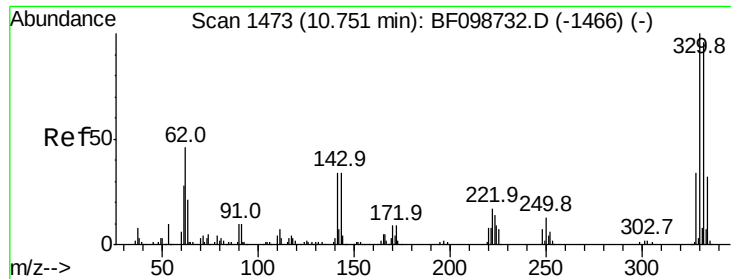
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099118.D
 Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.1	86.1	129.1	
160	45.5	38.3	57.5	





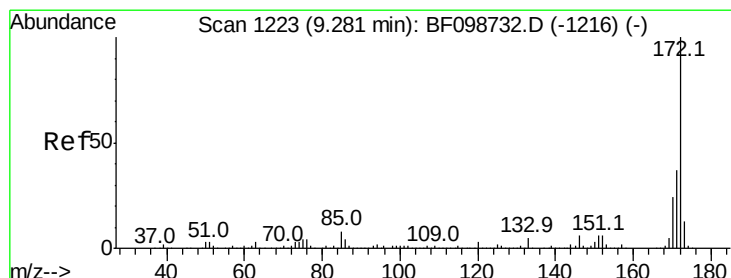
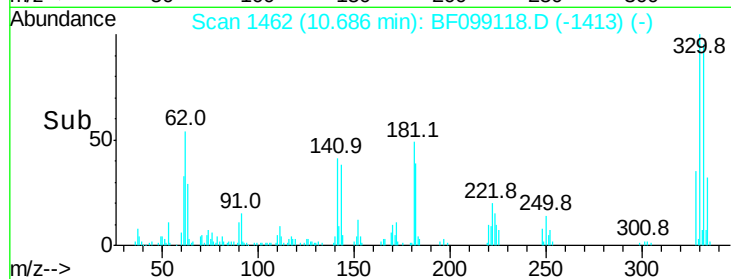
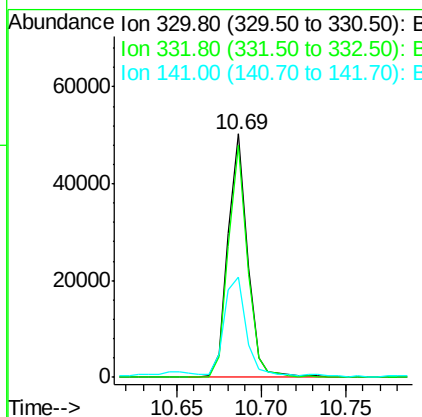
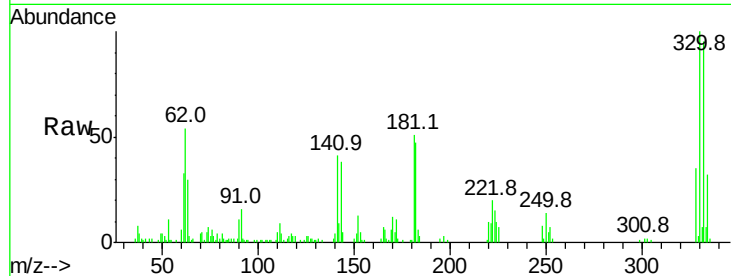
#41
 2,4,6-Tribromophenol
 Concen: 21.472 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099118.D
 Acq: 5 Oct 2017 22:09

Instrument :
 BNA_F
 ClientSampled :
 G67-0-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.8	77.0	115.6
141	45.1	29.9	44.9#

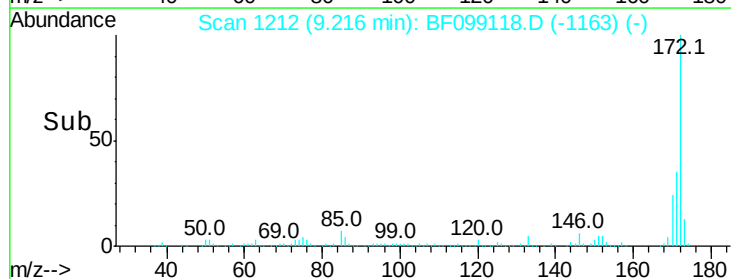
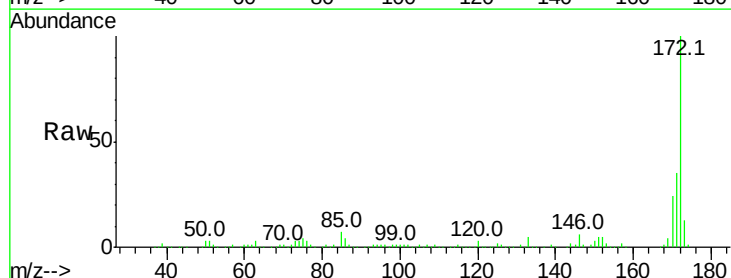
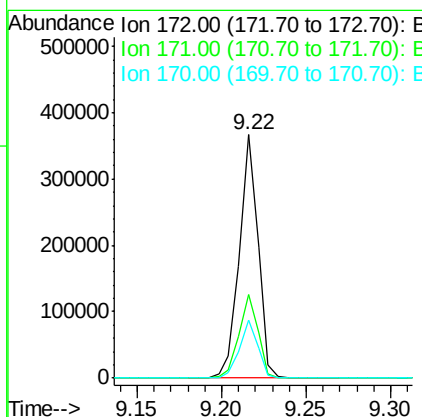
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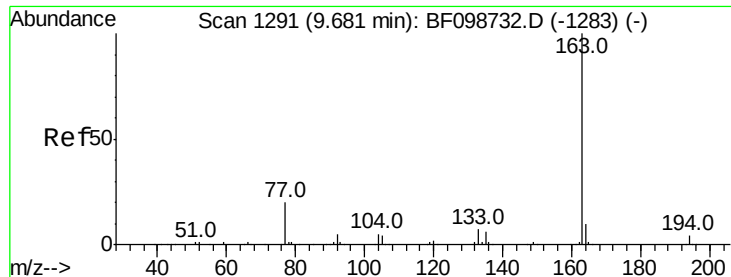
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#44
 2-Fluorobiphenyl
 Concen: 20.203 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099118.D
 Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.7	19.6	29.4





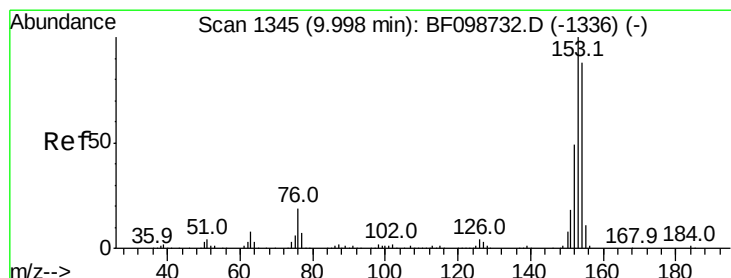
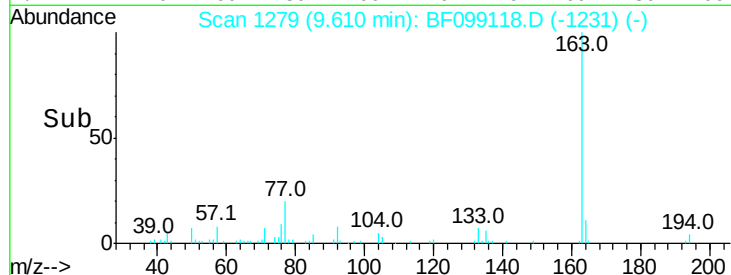
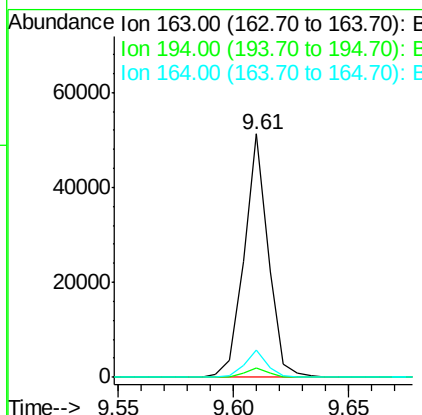
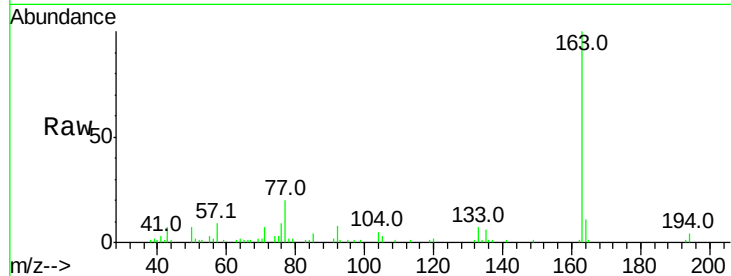
#49
Dimethylphthalate
Concen: 2.135 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampleId :
G67-0-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1	
164	11.3	8.2	12.2	

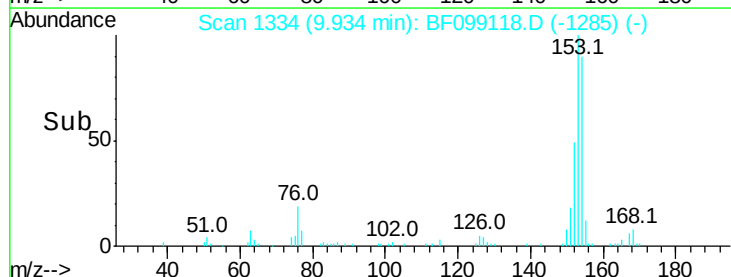
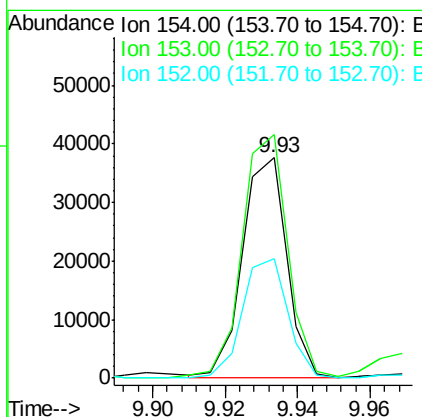
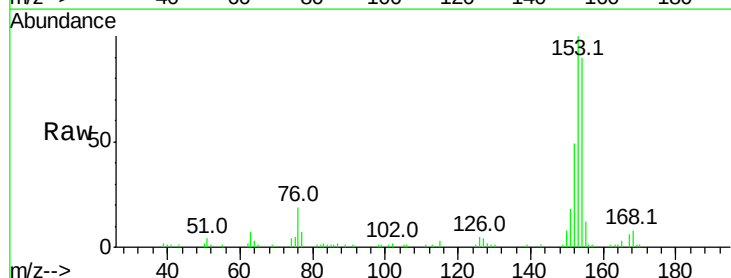
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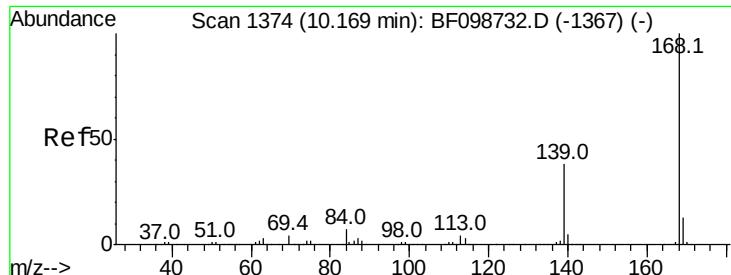
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#51
Acenaphthene
Concen: 2.201 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.6	91.2	136.8	
152	54.3	43.8	65.8	





#54

Dibenzofuran

Concen: 4.030 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Instrument :

BNA_F

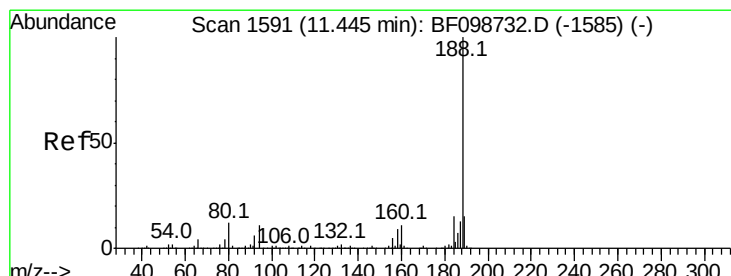
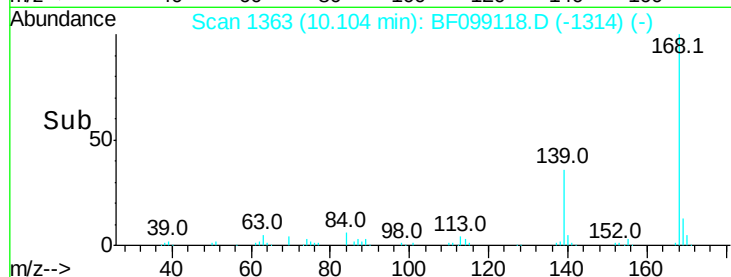
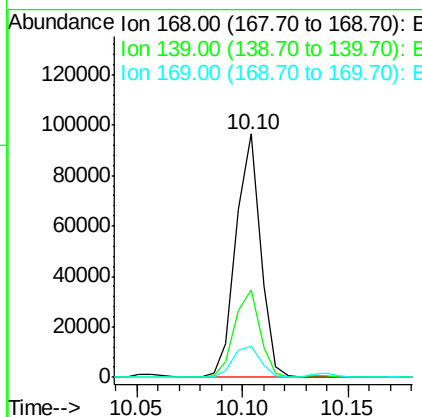
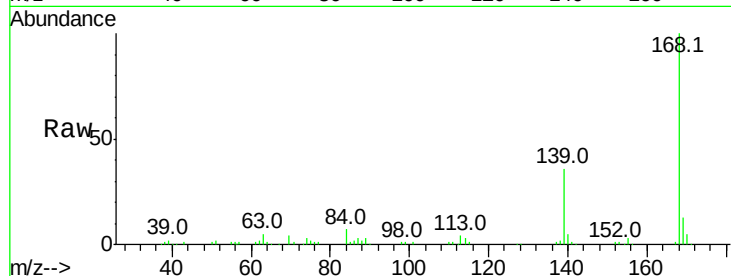
ClientSampleId :

G67-0-1

Tot Ion:168	Resp:	77957
Ion Ratio	Lower	Upper
168 100		
139 36.0	30.1	45.1
169 12.8	10.9	16.3

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

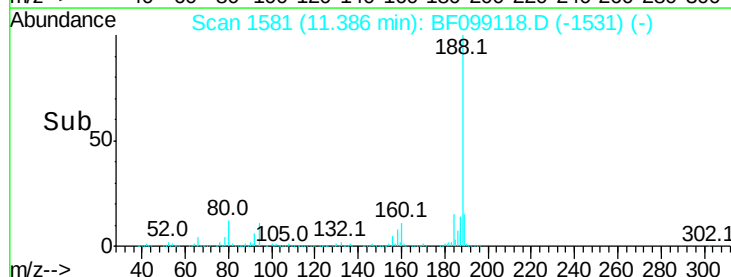
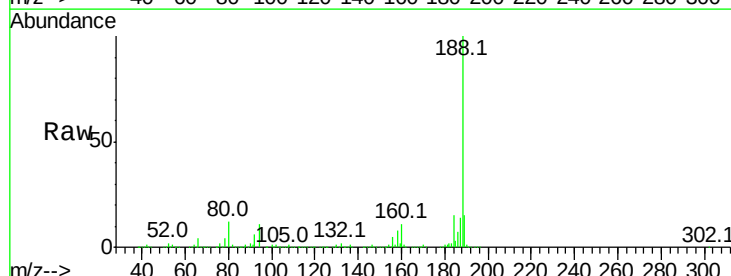
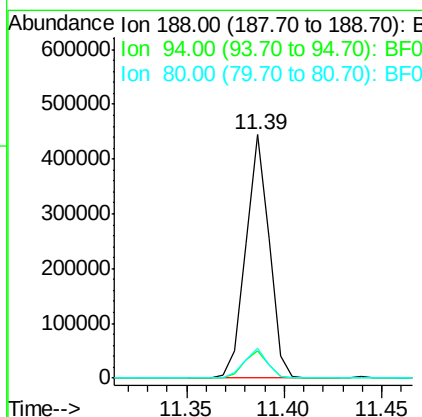
RT: 11.39 min Scan# 1581

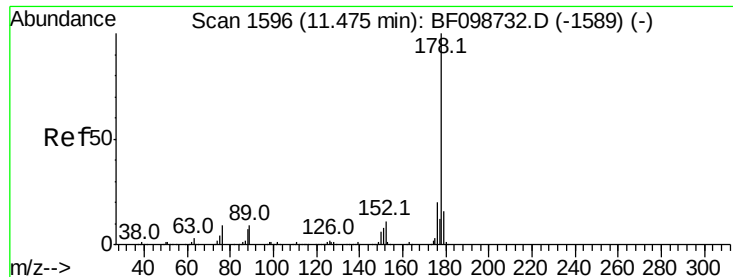
Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Tgt Ion:188	Resp:	370722
Ion Ratio	Lower	Upper
188 100		
94 11.0	8.5	12.7
80 12.2	9.2	13.8





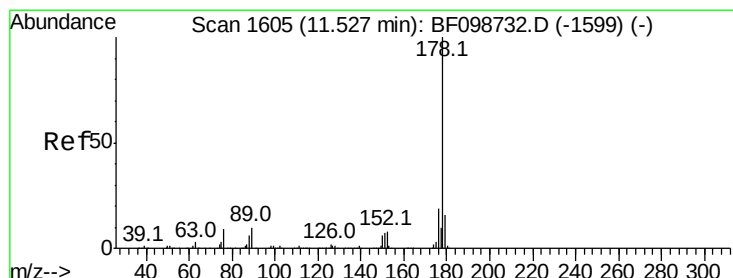
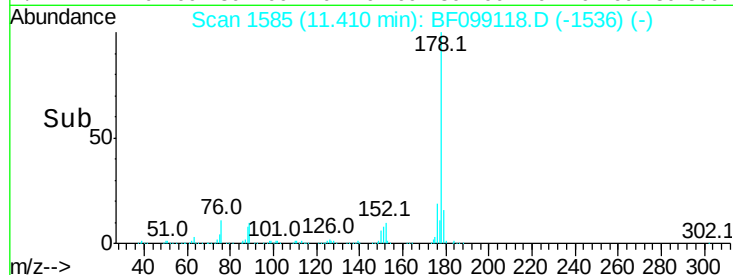
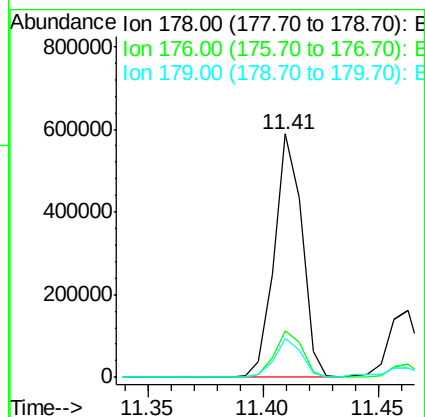
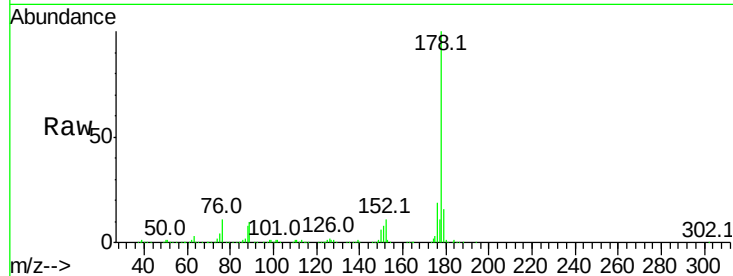
#70
Phenanthrene
Concen: 24.668 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampleId :
G67-0-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.7	13.0	19.6

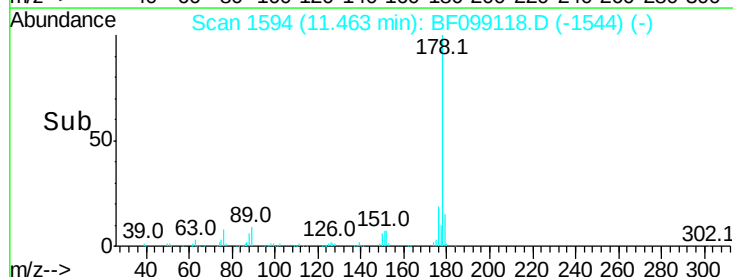
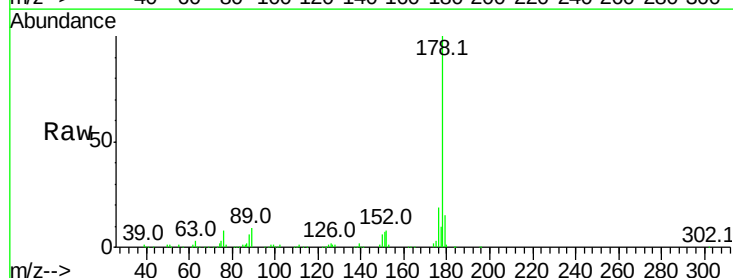
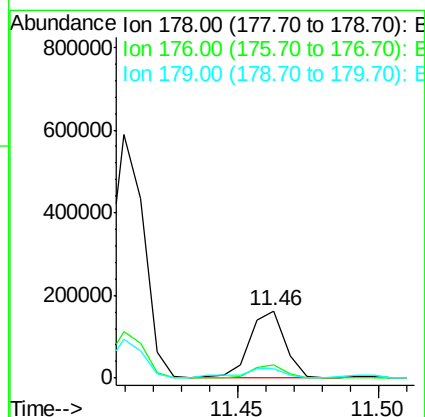
Manual Integrations
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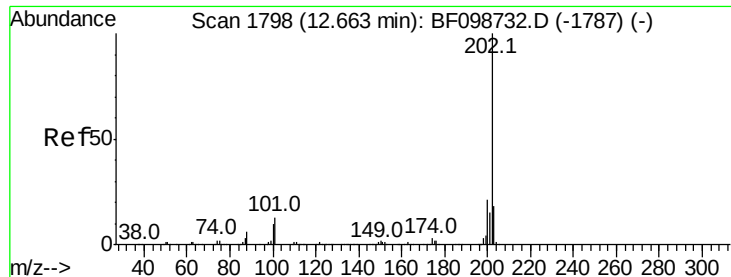
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#71
Anthracene
Concen: 6.833 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.6	12.6	19.0





#74

Fluoranthene

Concen: 19.210 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Instrument :

BNA_F

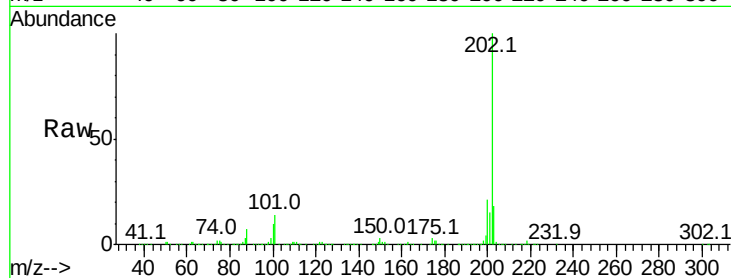
ClientSampleId :

G67-0-1

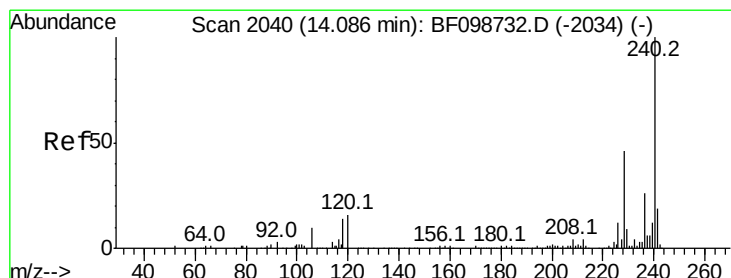
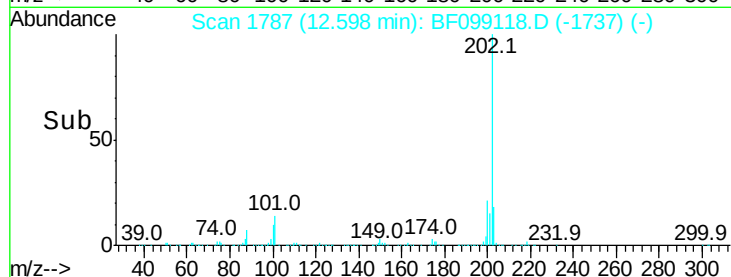
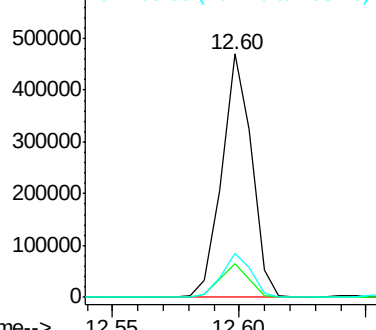
Tot Ion:	202	Resp:	386015
Ion Ratio		Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.9	0.0	38.1

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

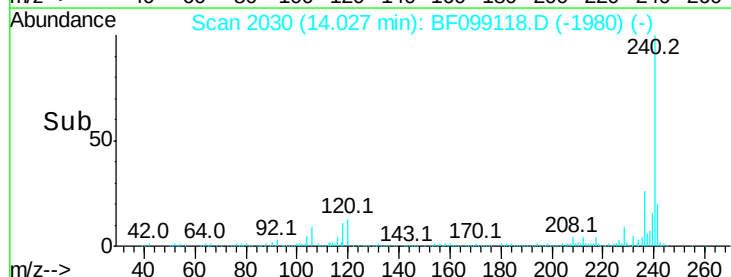
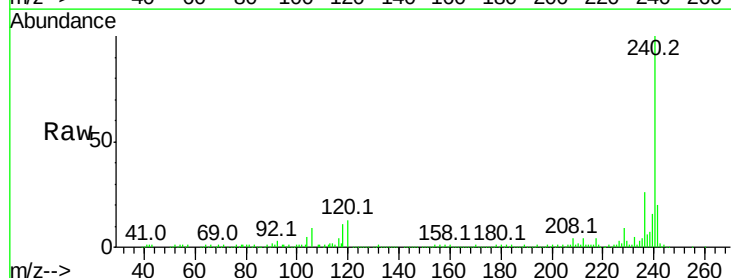
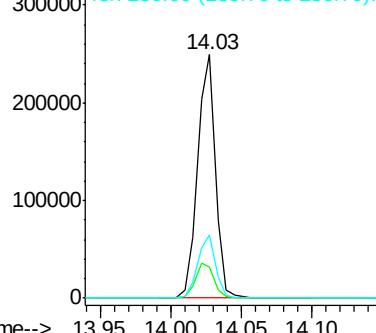
Delta R.T. -0.01 min

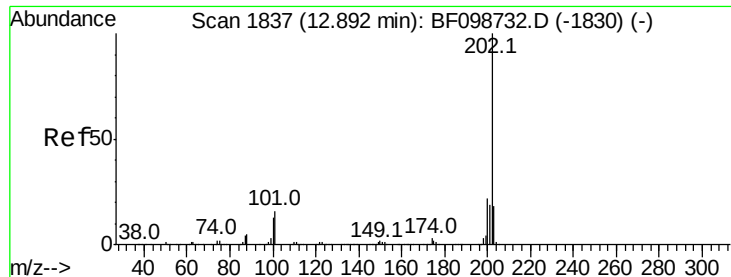
Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Tgt Ion:	240	Resp:	218803
Ion Ratio		Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.1	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.966 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Instrument :

BNA_F

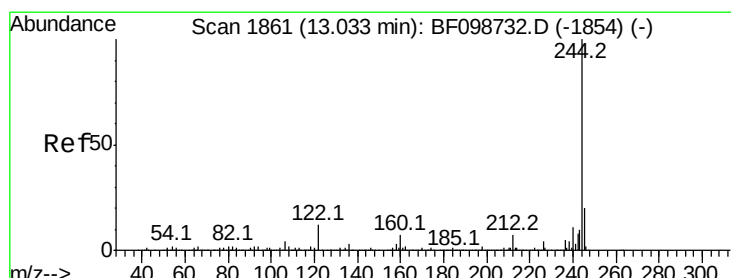
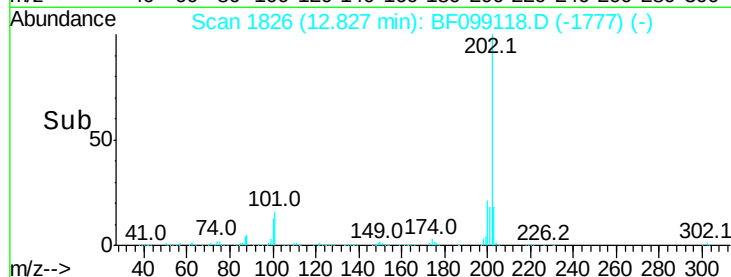
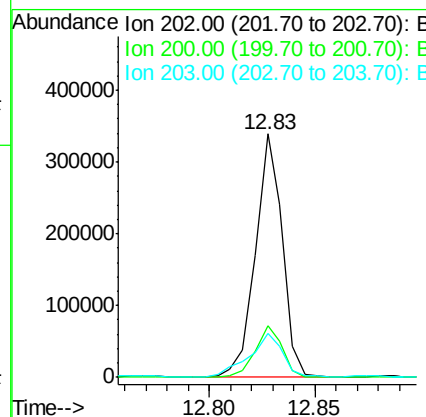
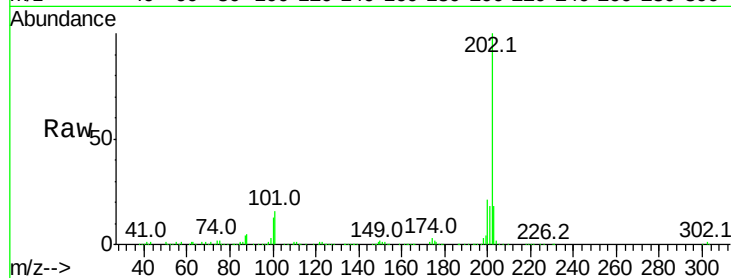
ClientSampleId :

G67-0-1

Tot Ion:	202	Resp:	299754
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 18.806 ng

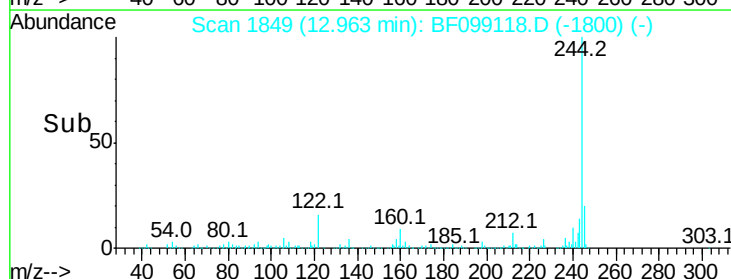
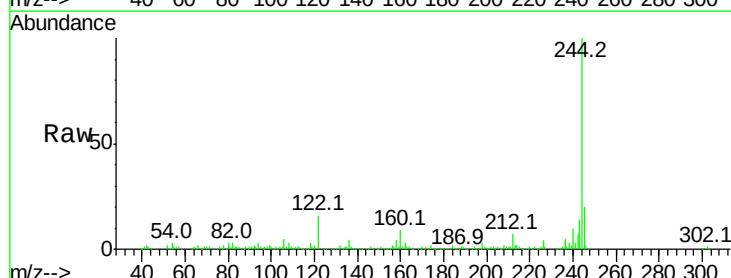
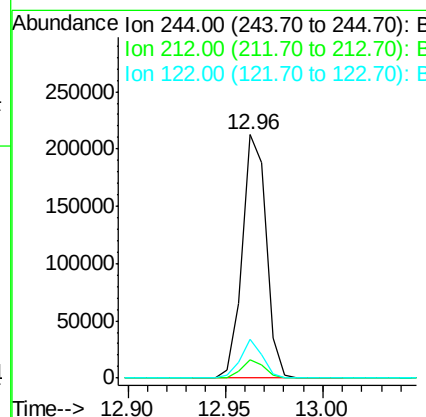
RT: 12.96 min Scan# 1849

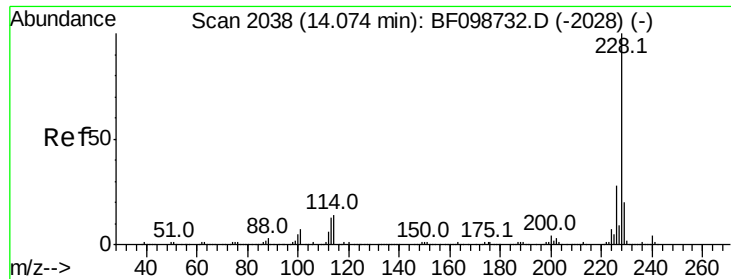
Delta R.T. -0.01 min

Lab File: BF099118.D

Acq: 5 Oct 2017 22:09

Tgt Ion:	244	Resp:	180933
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.9	11.0	16.4





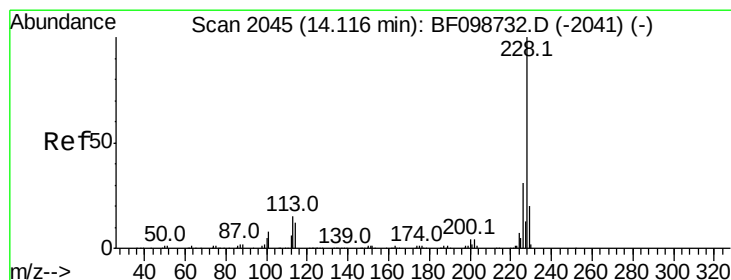
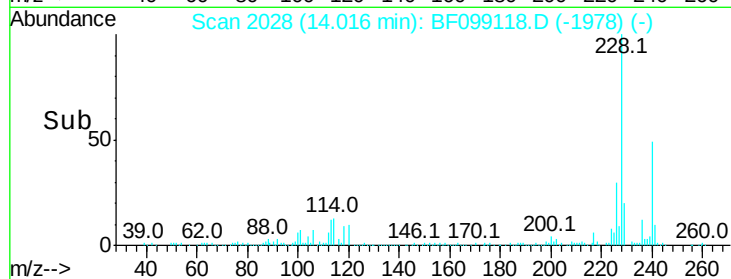
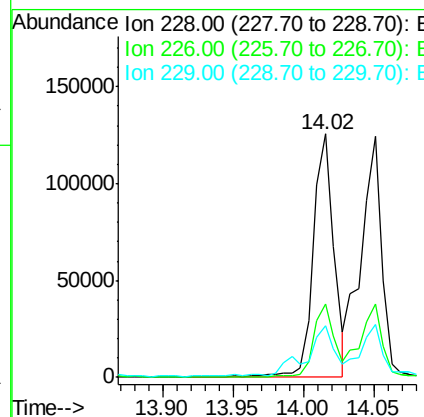
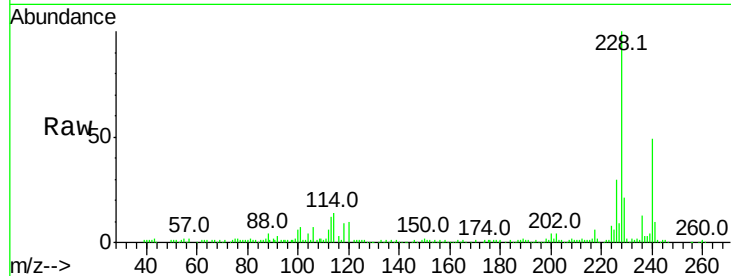
#80
Benzo(a)anthracene
Concen: 9.647 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampleId :
G67-0-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	21.0	15.8	23.6

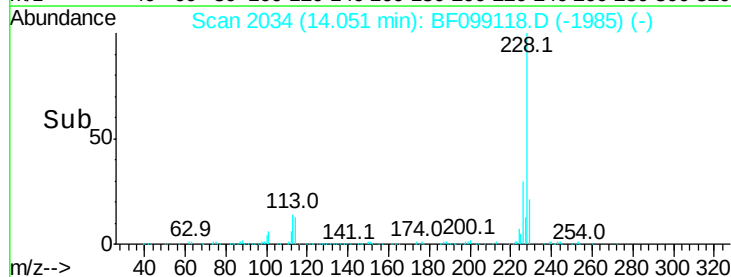
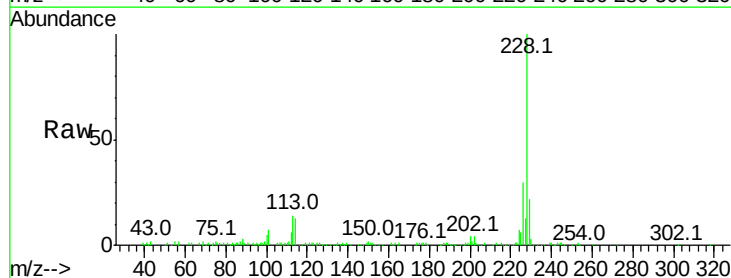
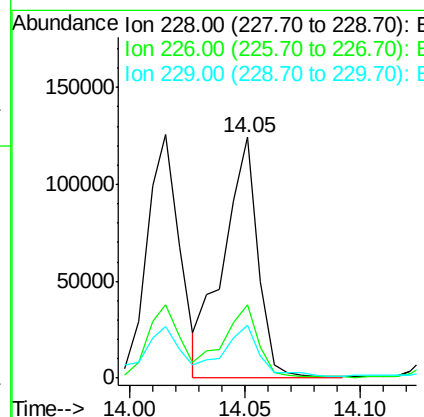
Manual Integrations
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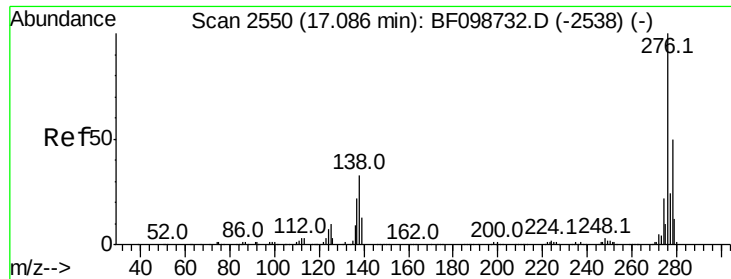
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#82
Chrysene
Concen: 10.203 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4





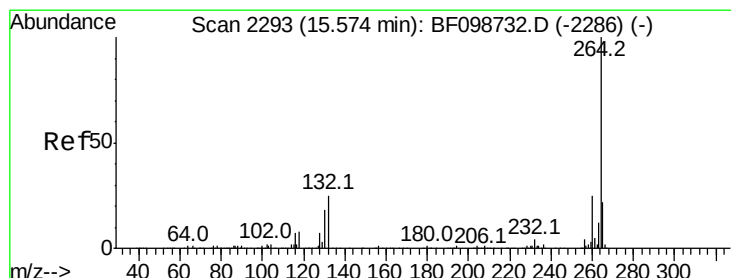
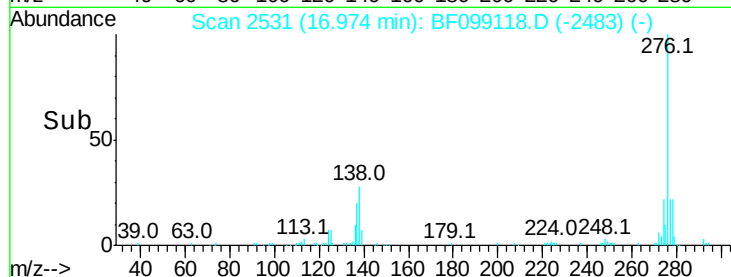
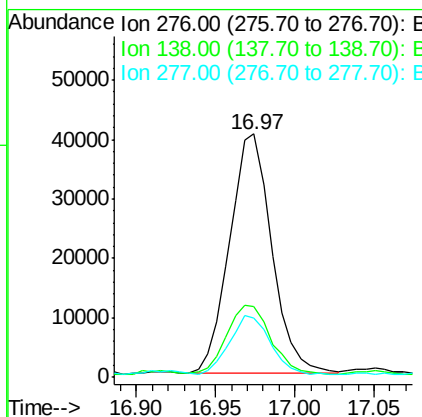
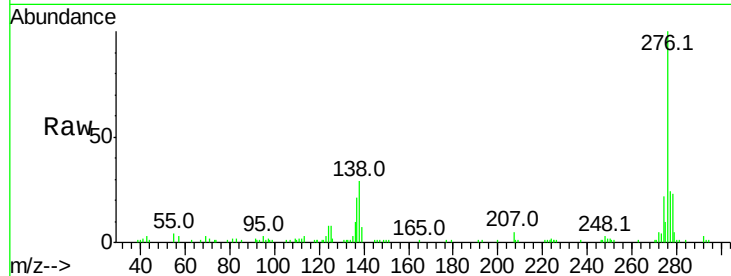
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.390 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampled :
G67-0-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.6	25.0	37.6
277	24.7	20.1	30.1

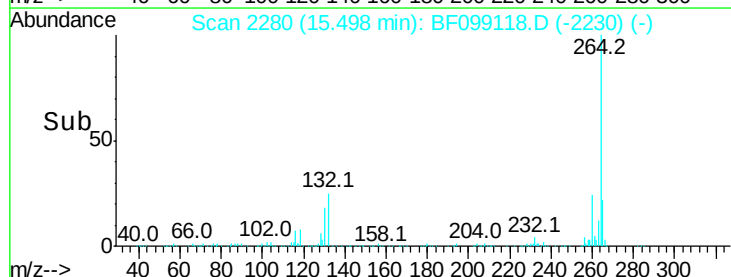
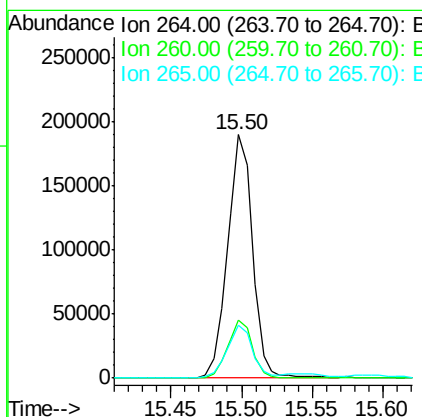
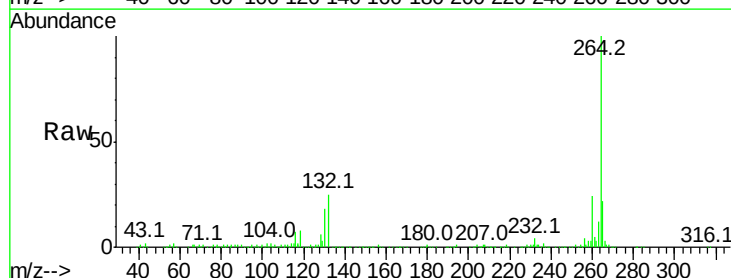
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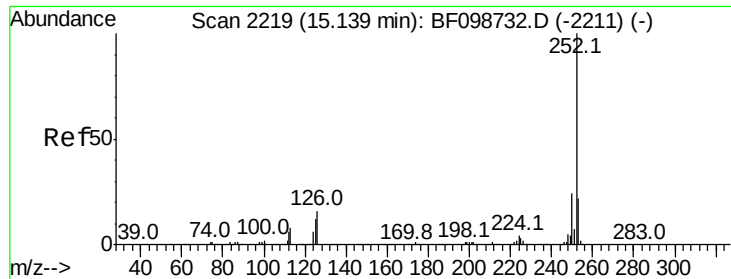
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.5	26.3





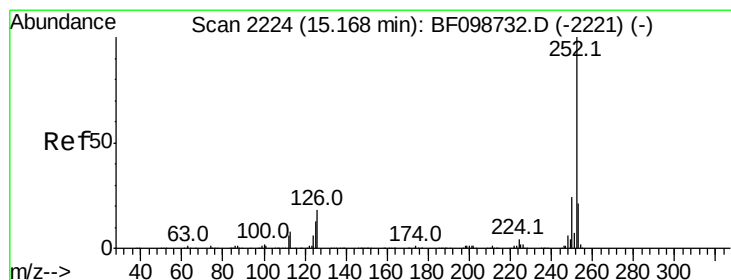
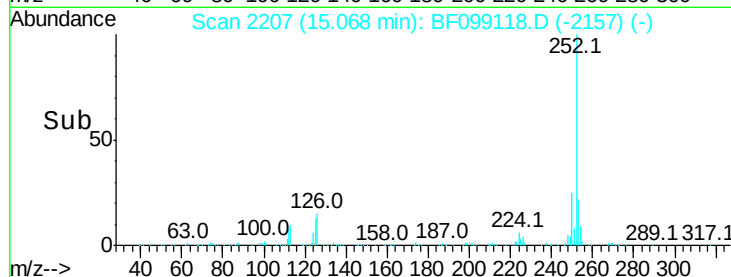
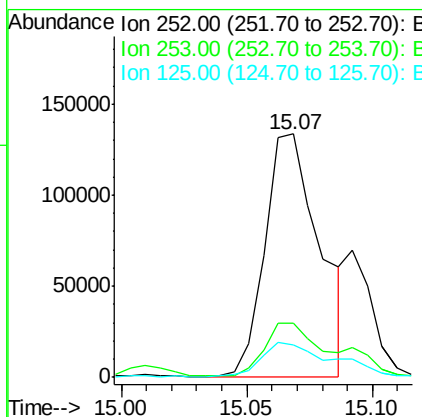
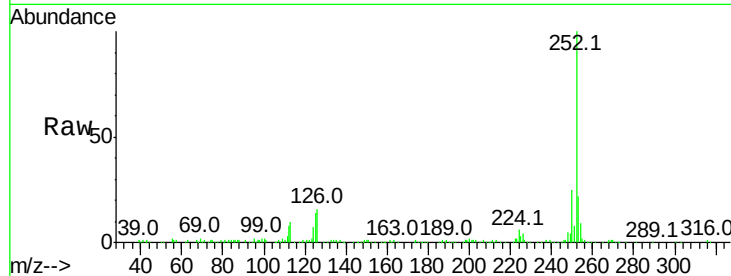
#87
Benzo(b)fluoranthene
Concen: 14.014 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampled :
G67-0-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	13.5	9.0	13.6

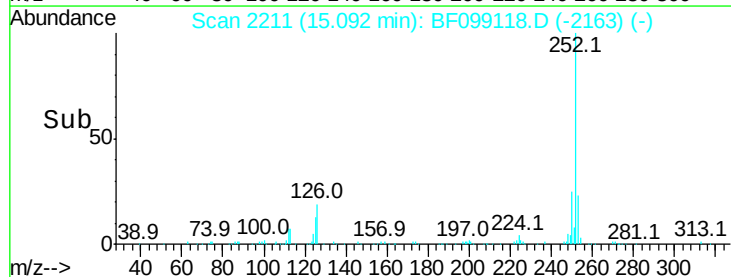
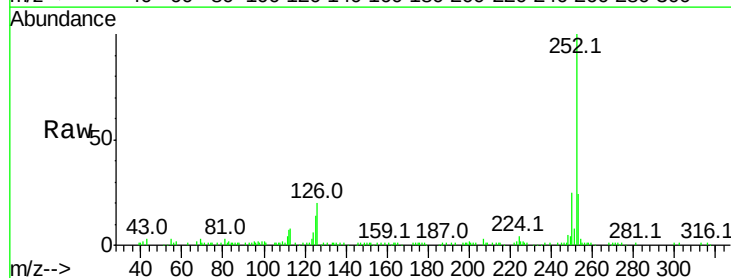
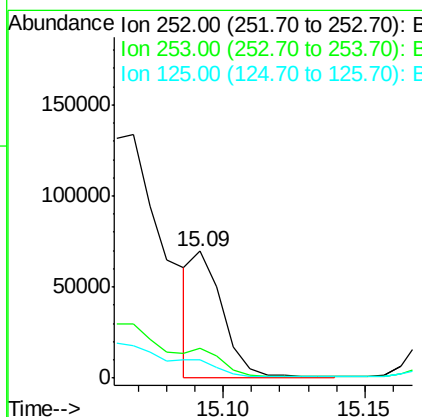
Manual Integrations
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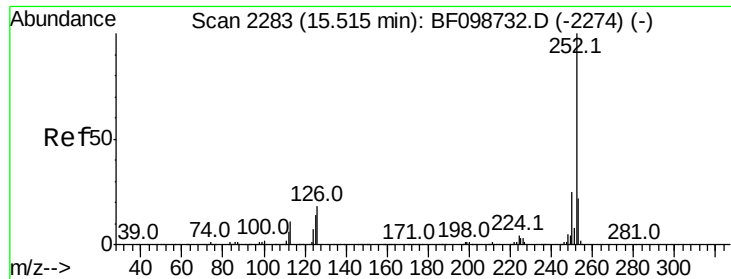
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#88
Benzo(k)fluoranthene
Concen: 3.666 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.2	10.2	15.2





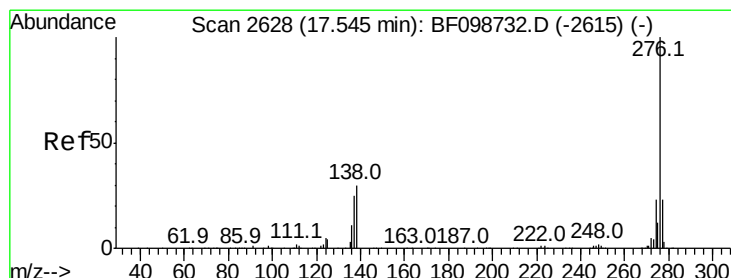
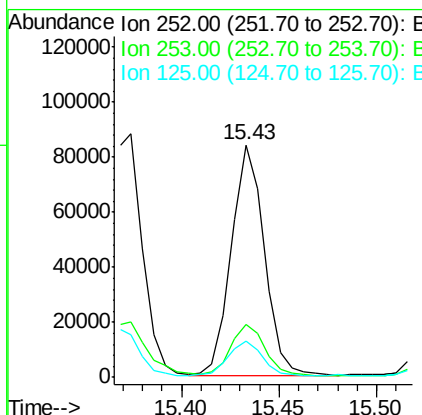
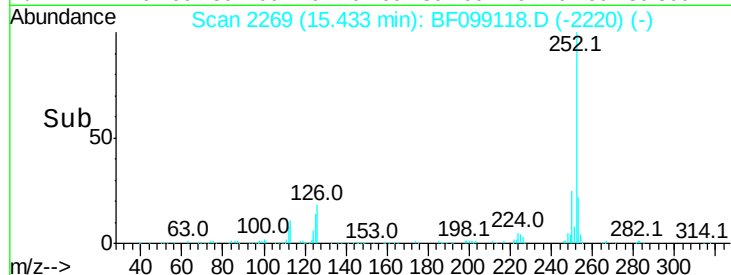
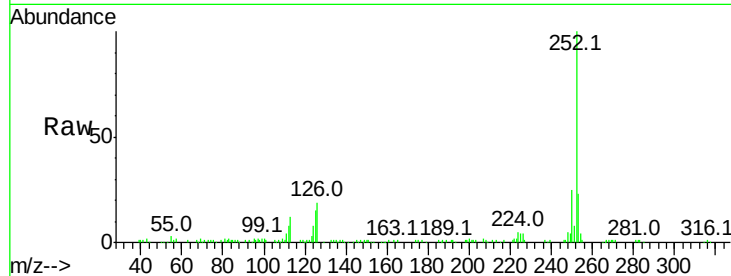
#89
Benzo(a)pyrene
Concen: 7.503 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Instrument :
BNA_F
ClientSampled :
G67-0-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.246 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF099118.D
Acq: 5 Oct 2017 22:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	31.8	21.8	32.8

