

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098511.D
 Acq On : 14 Sep 2017 1:26
 Operator : SJ/JU
 Sample : I5159-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-9-2

Manual Integrations
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Quant Time: Sep 14 07:50:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	170247	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	687824	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	285179	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	437651	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	335509	20.00	ng	-0.01
86) Perylene-d12	15.20	264	277661	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1508398	131.00	ng	0.00
7) Phenol-d6	6.32	99	1892591	129.45	ng	0.00
23) Nitrobenzene-d5	7.23	82	1094040	88.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	253821	133.36	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1871279	111.22	ng	-0.02
78) Terphenyl-d14	12.76	244	1201175	77.28	ng	-0.01
Target Compounds						
10) Phenol	6.33	94	46925	2.763	ng	Qvalue 98
31) Naphthalene	7.96	128	73457	2.160	ng	99
48) Acenaphthylene	9.55	152	58237	2.149	ng	96
49) Dimethylphthalate	9.41	163	238483	10.803	ng	100
70) Phenanthrene	11.19	178	279516	12.047	ng	98
71) Anthracene	11.25	178	94411	3.963	ng	97
72) Carbazole	11.40	167	62716	2.825	ng	99
74) Fluoranthene	12.38	202	548229	23.604	ng	99
77) Pyrene	12.61	202	440908	16.659	ng	99
80) Benzo(a)anthracene	13.79	228	216510	11.007	ng	97
82) Chrysene	13.83	228	204484	10.284	ng	97
85) Indeno(1,2,3-cd)pyrene	16.54	276	66317	4.754	ng	96
87) Benzo(b)fluoranthene	14.81	252	258767m	14.822	ng	
88) Benzo(k)fluoranthene	14.83	252	75149m	4.611	ng	
89) Benzo(a)pyrene	15.14	252	112465	7.231	ng	# 94
91) Benzo(g,h,i)perylene	16.94	276	61886	5.438	ng	97

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

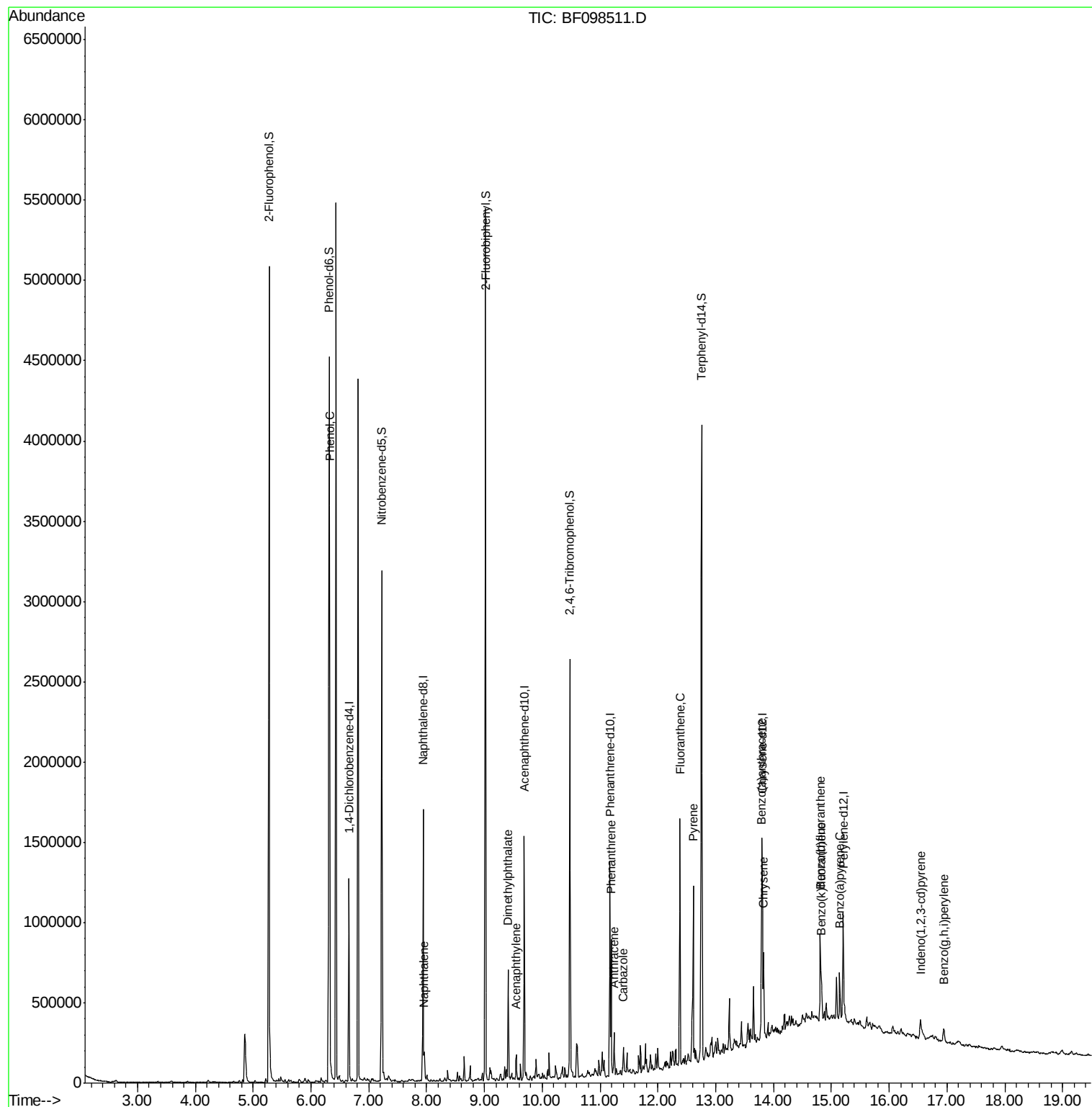
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098511.D
Acq On : 14 Sep 2017 1:26
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ALS Vial : 29 Sample Multiplier: 1

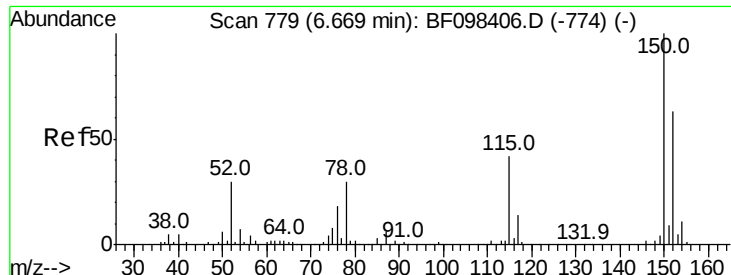
Instrument :
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ClientSampleId :
G-9-2

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#1

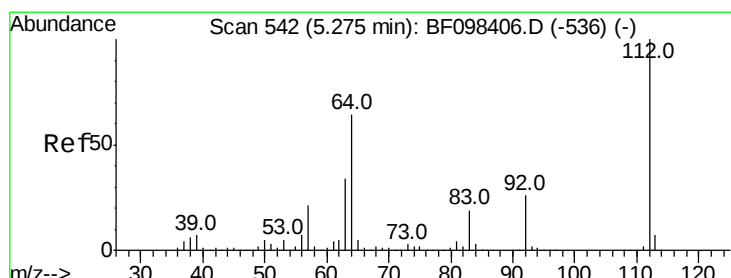
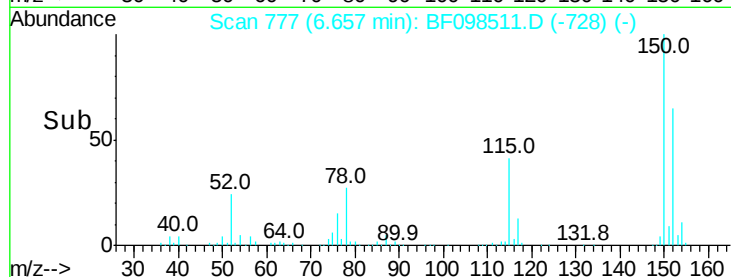
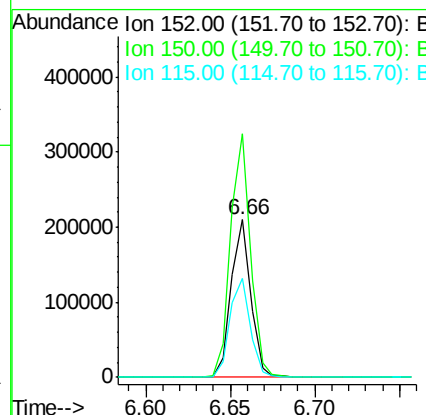
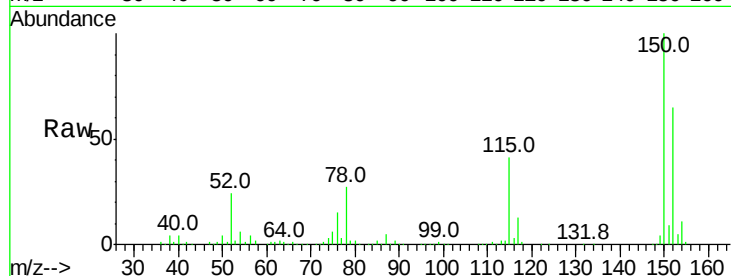
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampled :
G-9-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	62.8	52.2	78.2

Manual Integrations
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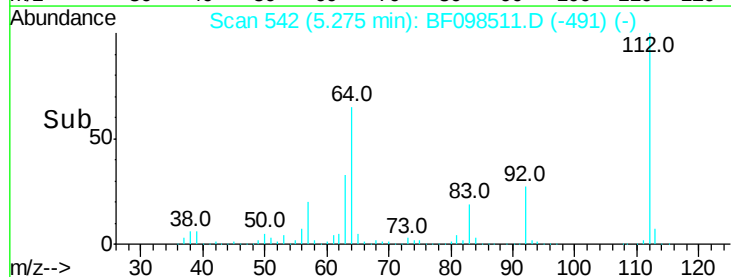
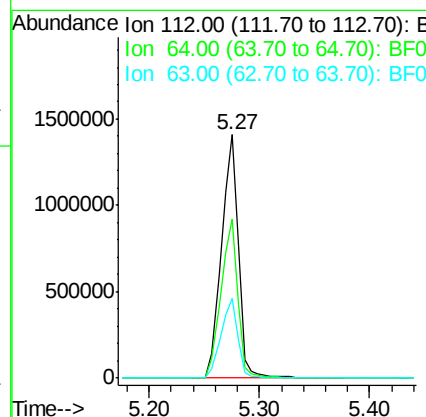
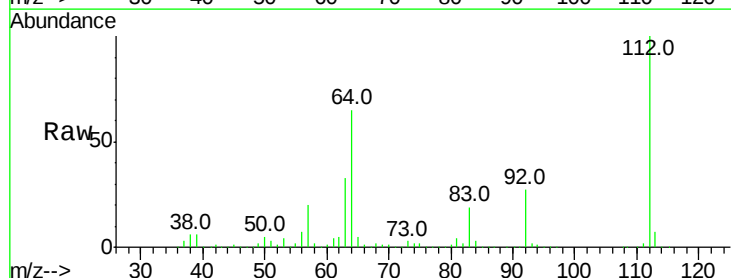
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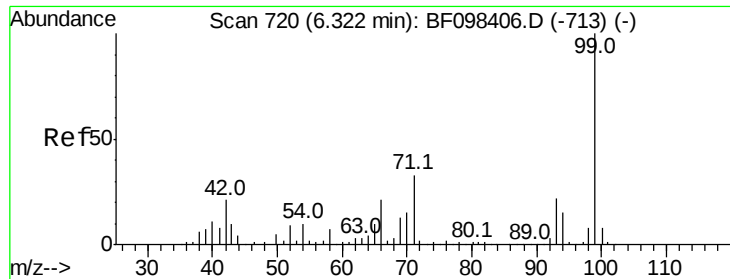


#5

2-Fluorophenol
Concen: 130.998 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	33.0	23.4	35.0





#7

Phenol-d6

Concen: 129.454 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098511.D

Acq: 14 Sep 2017 1:26

Instrument :

BNA_F

ClientSampleId :

G-9-2

Tot Ion: 99 Resp: 1892591

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

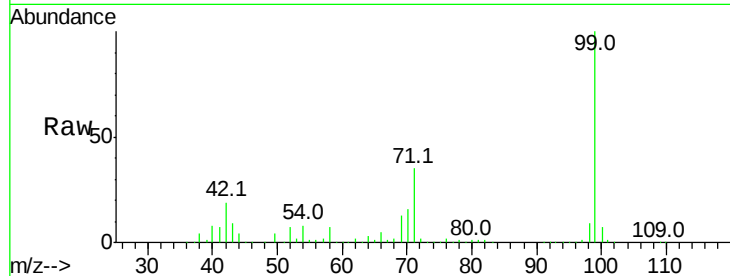
71 35.0 24.5 36.7

Manual Integrations

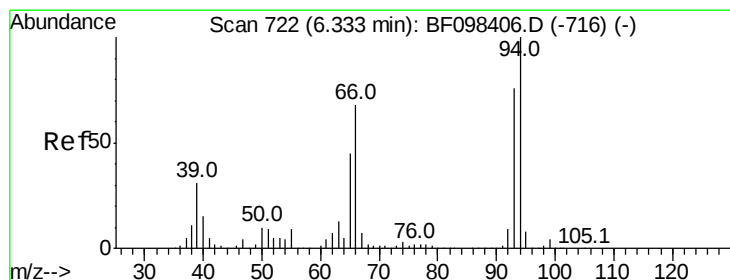
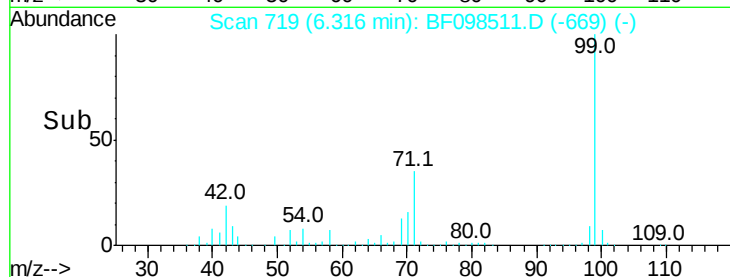
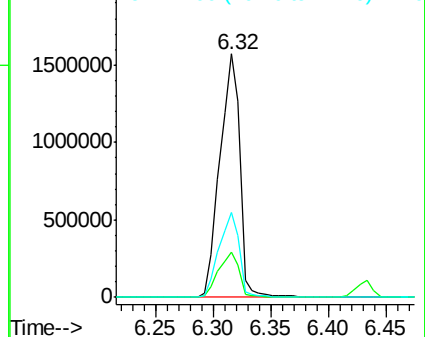
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.763 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098511.D

Acq: 14 Sep 2017 1:26

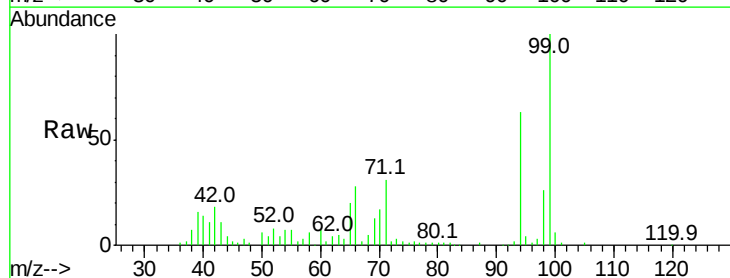
Tgt Ion: 94 Resp: 46925

Ion Ratio Lower Upper

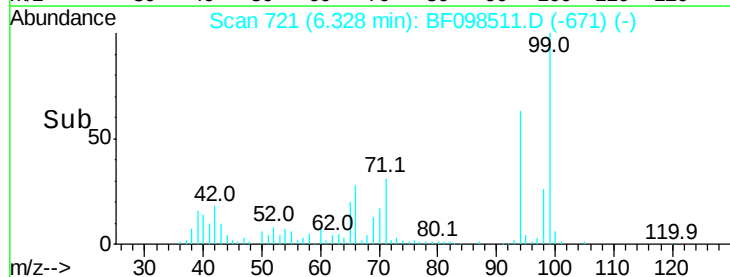
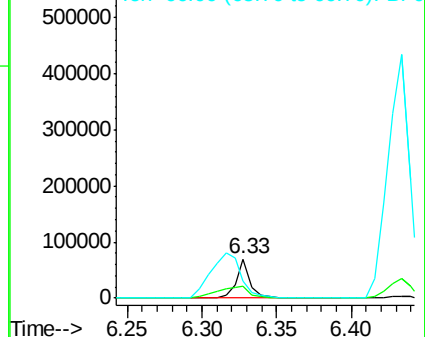
94 100

65 31.6 9.9 49.9

66 44.2 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





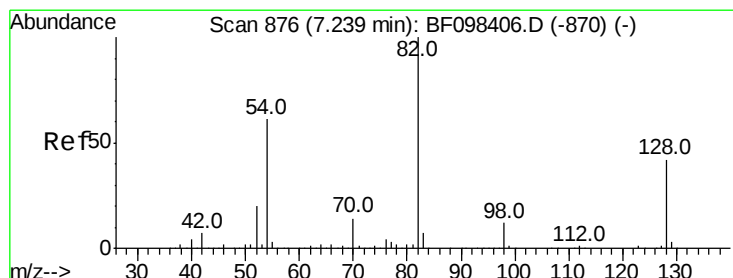
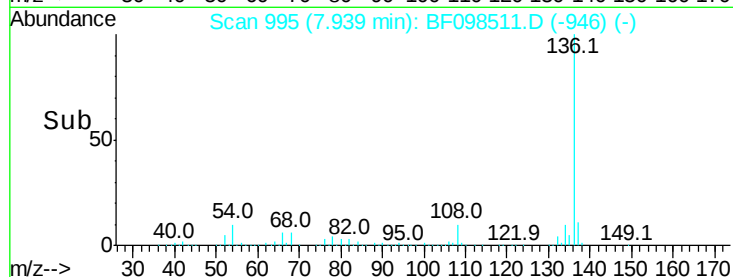
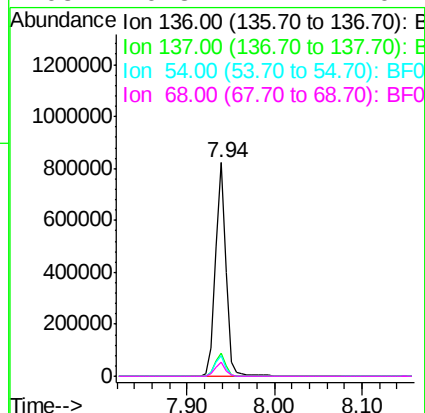
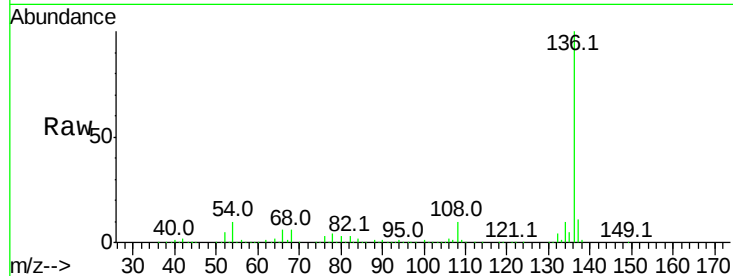
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampleId :
G-9-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.5	4.9	7.3#
68	6.3	4.1	6.1#

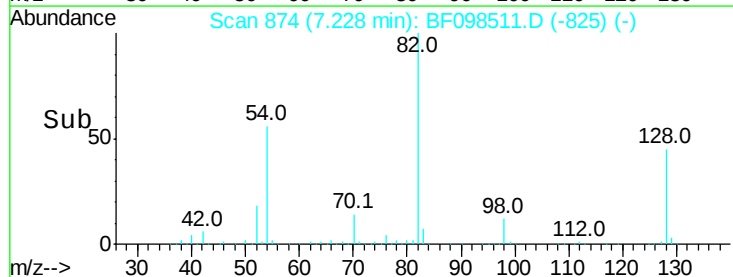
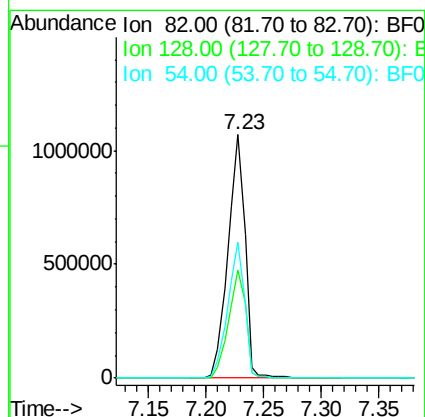
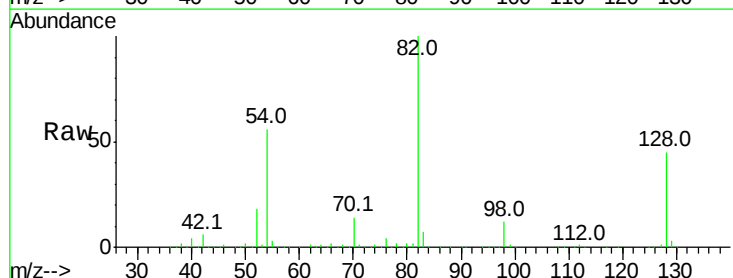
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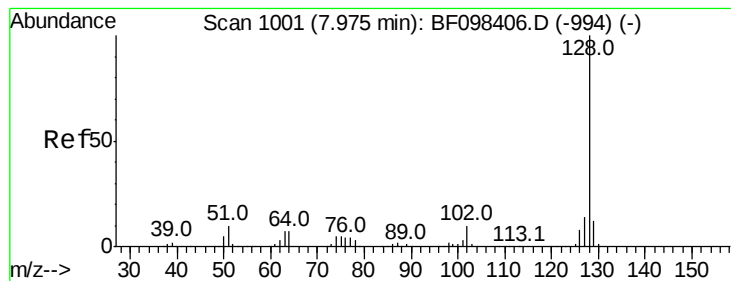
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#23
Nitrobenzene-d5
Concen: 88.674 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.6	34.0	51.0
54	55.6	42.2	63.2





#31

Naphthalene

Concen: 2.160 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF098511.D

Acq: 14 Sep 2017 1:26

Instrument :

BNA_F

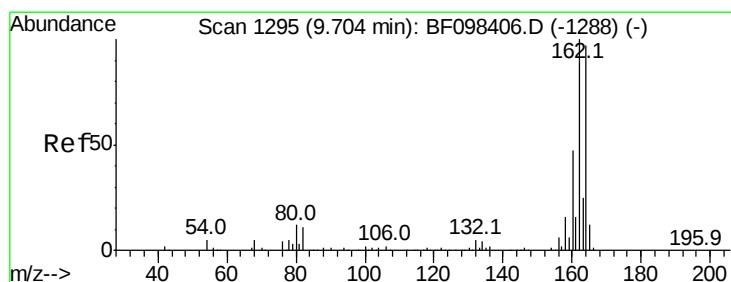
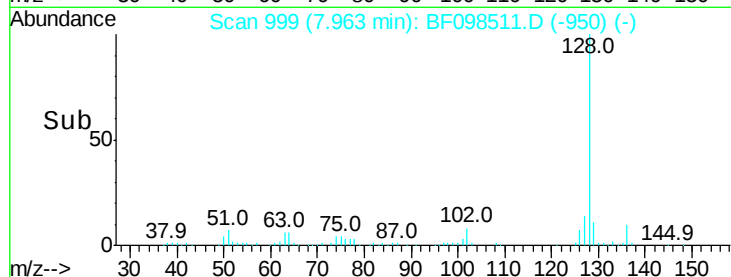
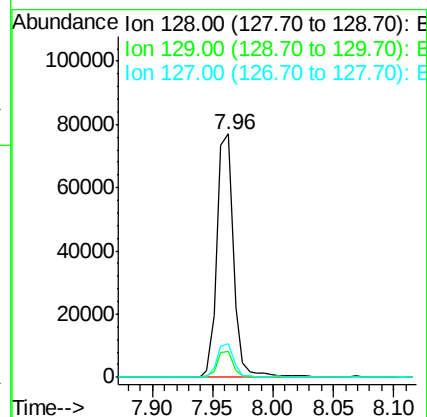
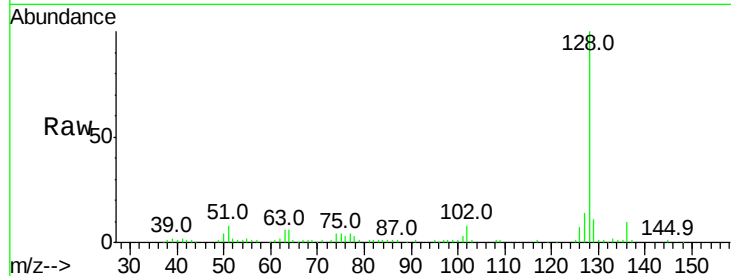
ClientSampled :

G-9-2

Tot Ion:	128	Resp:	73457
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	13.7	10.8	16.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

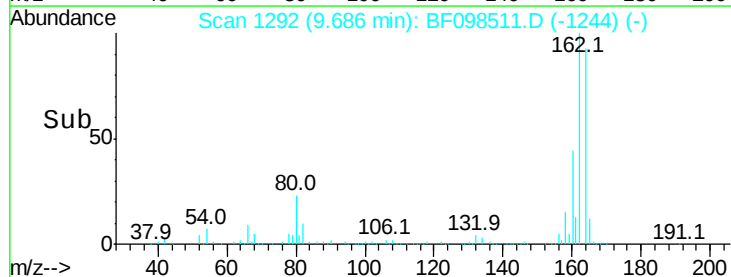
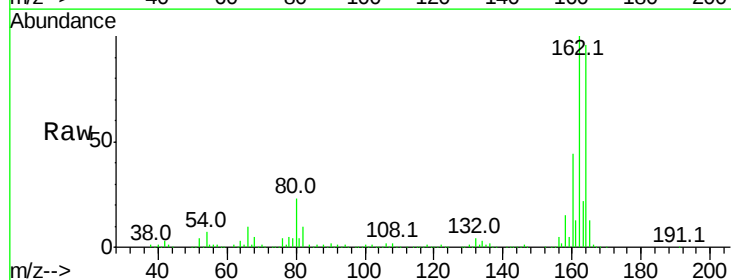
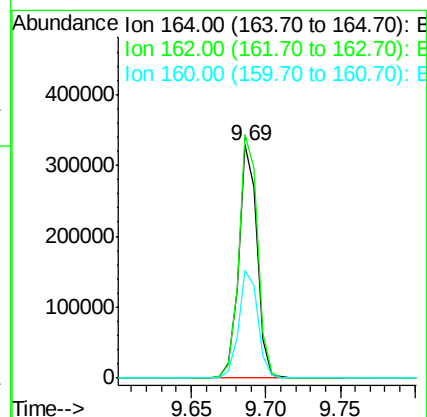
RT: 9.69 min Scan# 1292

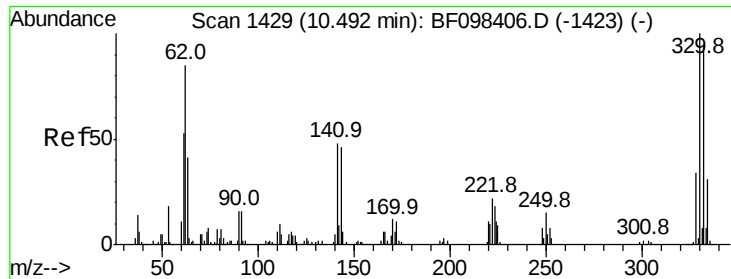
Delta R.T. -0.02 min

Lab File: BF098511.D

Acq: 14 Sep 2017 1:26

Tgt Ion:	164	Resp:	285179
Ion Ratio	Lower	Upper	
164	100		
162	104.5	82.6	123.8
160	46.1	36.2	54.2





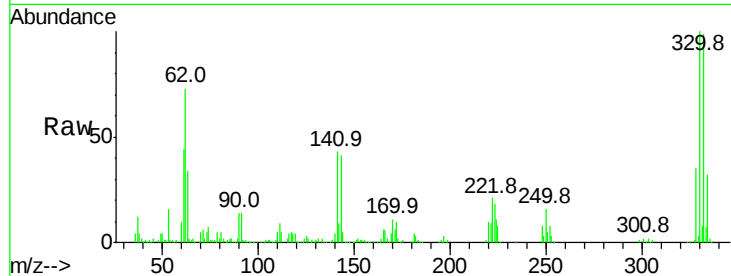
#41
 2,4,6-Tribromophenol
 Concen: 133.356 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Instrument :
 BNA_F
 ClientSampleId :
 G-9-2

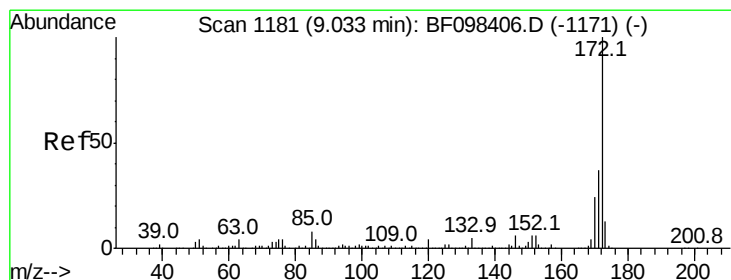
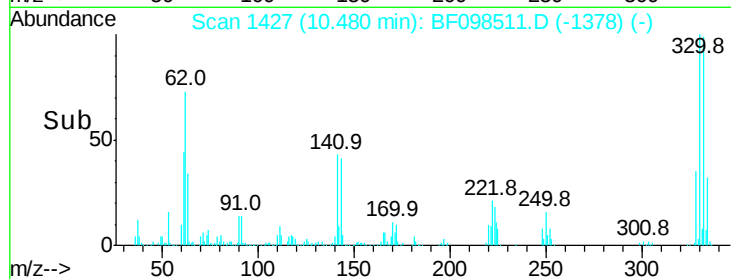
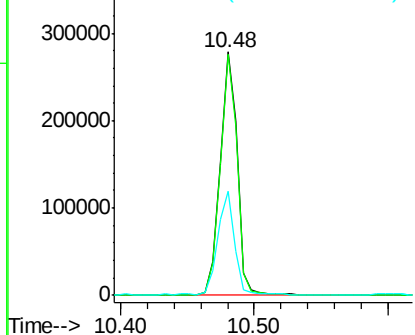
Tot Ion	Ratio	Resp	Lower	Upper
330	100	253821		
332	97.6	76.6	115.0	
141	44.4	31.4	47.2	

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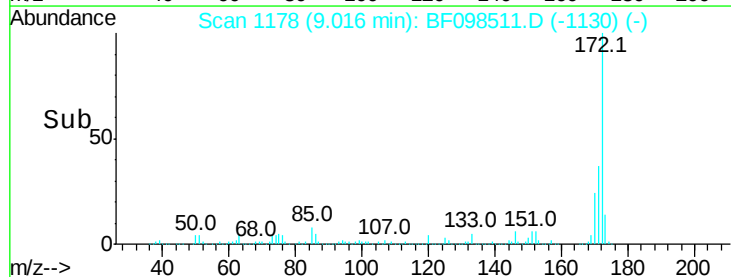
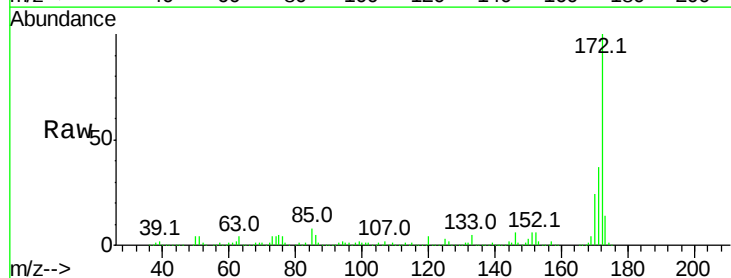
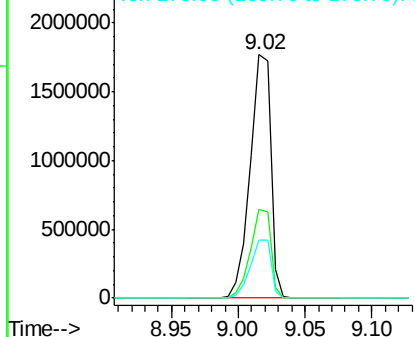
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

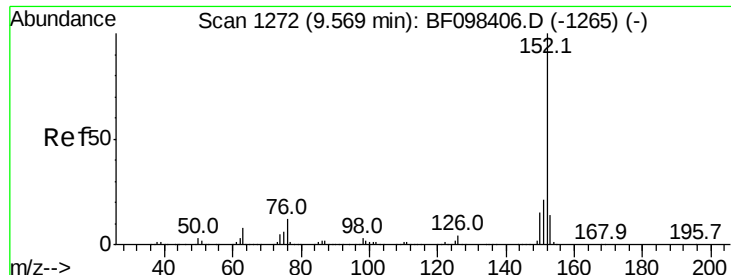


#44
 2-Fluorobiphenyl
 Concen: 111.217 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1871279		
171	36.7	29.6	44.4	
170	23.9	19.8	29.8	

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





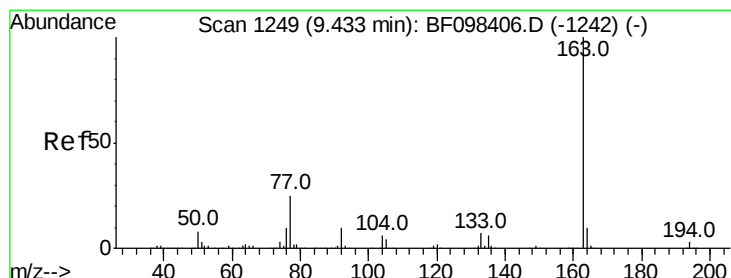
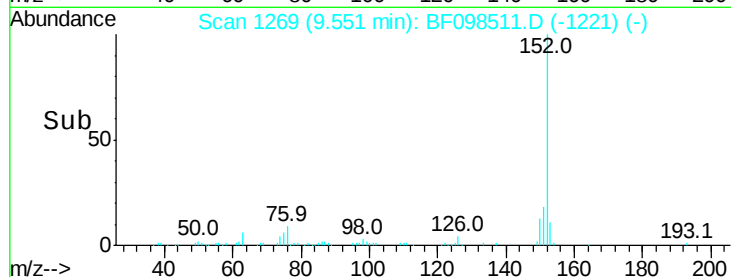
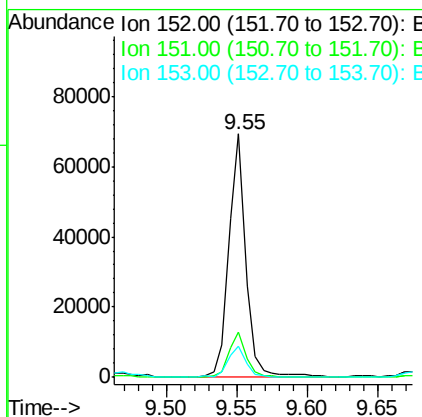
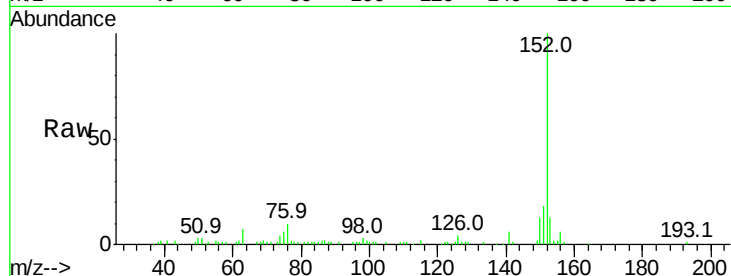
#48
Acenaphthylene
Concen: 2.149 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampleId :
G-9-2

Tot Ion:	152	Resp:	58237
Ion Ratio	Lower	Upper	
152	100		
151	18.4	16.8	25.2
153	12.7	10.8	16.2

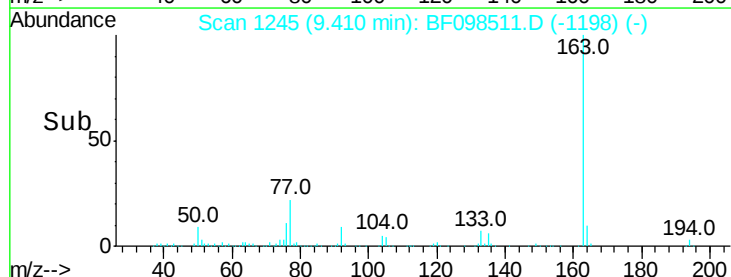
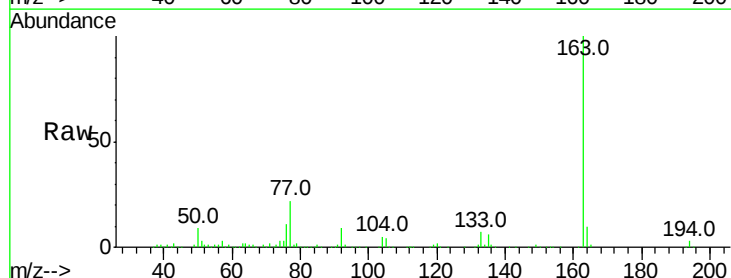
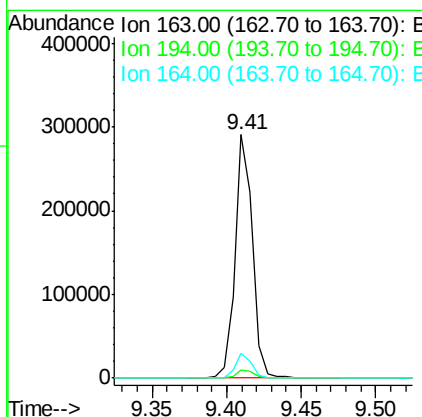
Manual Integrations
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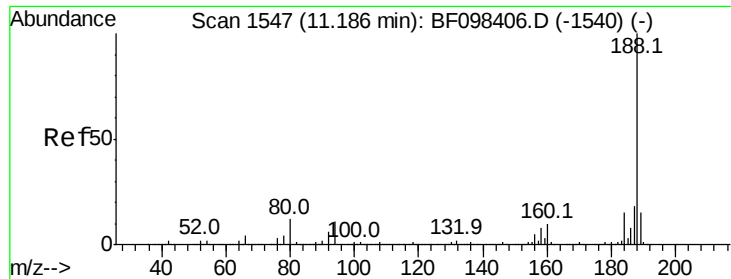
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#49
Dimethylphthalate
Concen: 10.803 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion:	163	Resp:	238483
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	10.4	8.4	12.6





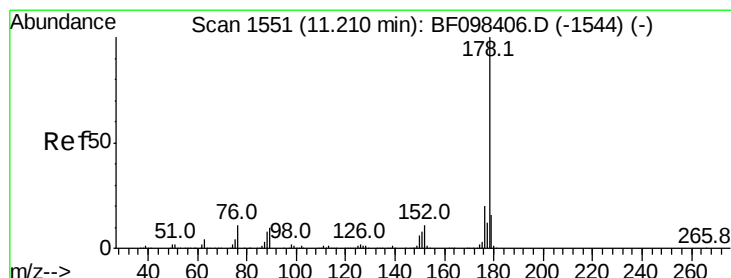
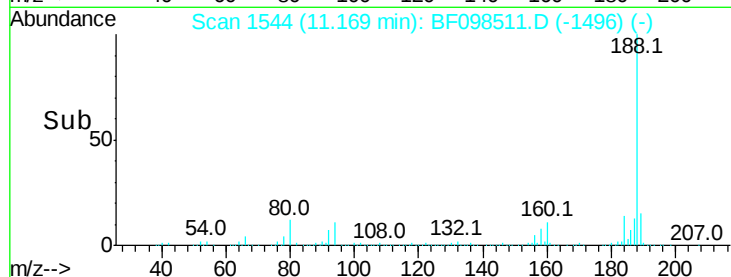
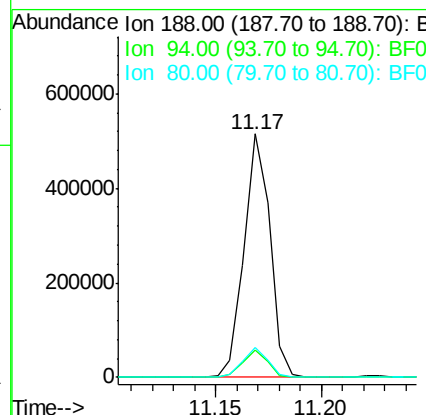
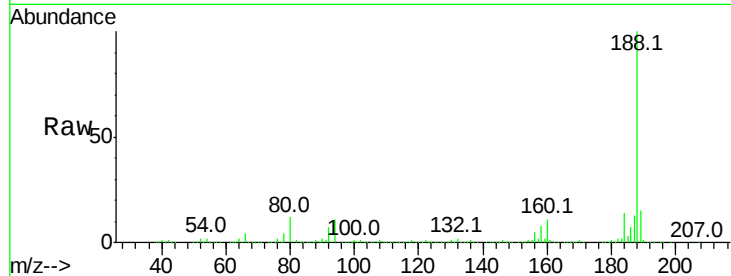
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Instrument :
 BNA_F
 ClientSampleId :
 G-9-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	437651		
94	11.4		9.4	14.2
80	12.0		10.2	15.2

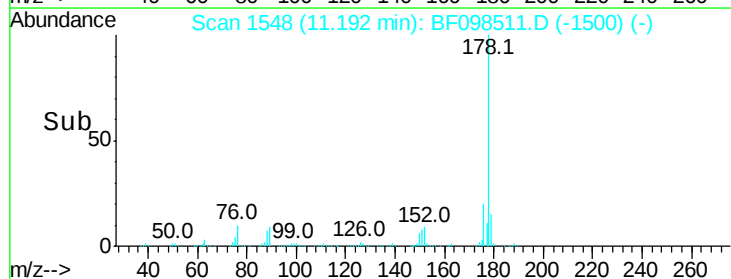
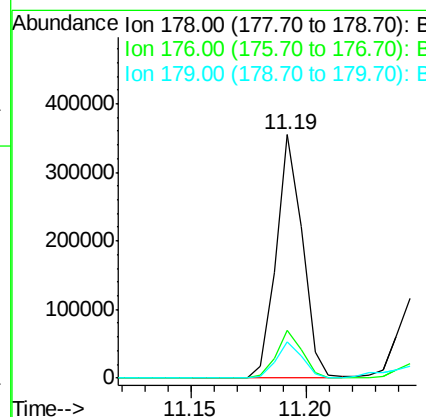
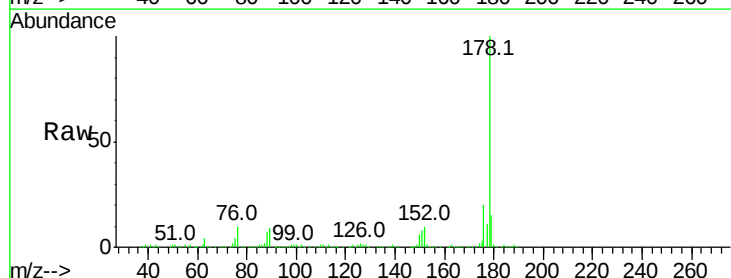
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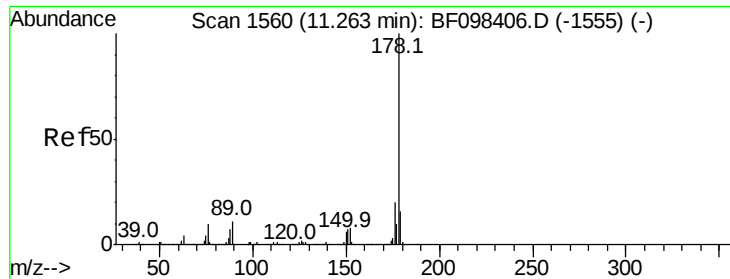
Sohil
 9/14/2017 5:53:06 PM



#70
 Phenanthrene
 Concen: 12.047 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	279516		
176	19.6		16.2	24.4
179	14.8		12.6	19.0





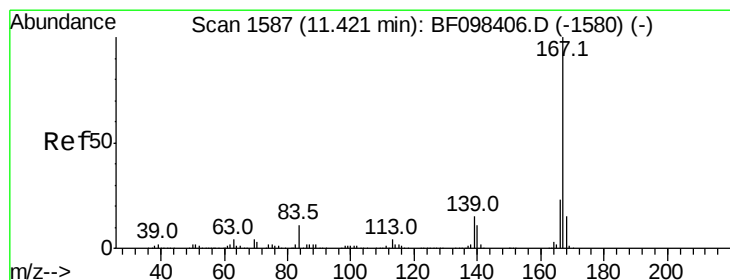
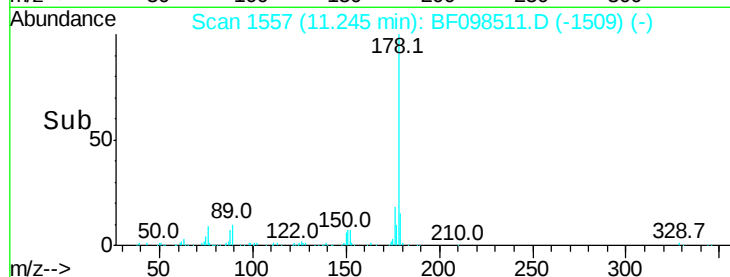
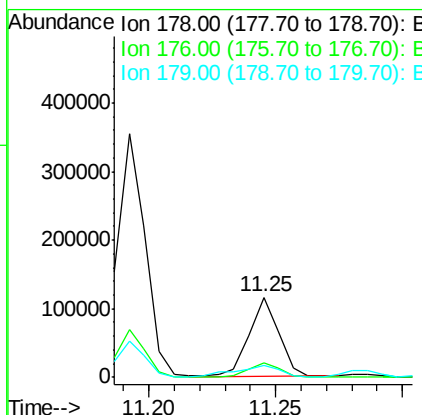
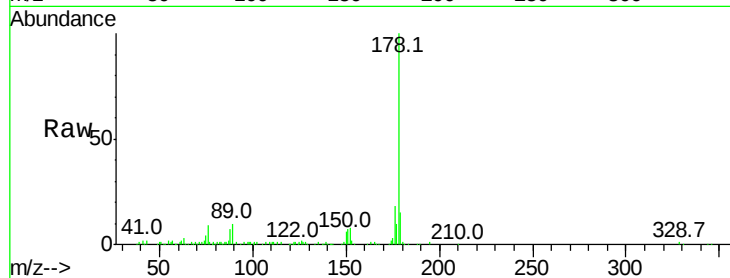
#71
 Anthracene
 Concen: 3.963 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Instrument :
 BNA_F
 ClientSampled :
 G-9-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.5	12.7	19.1

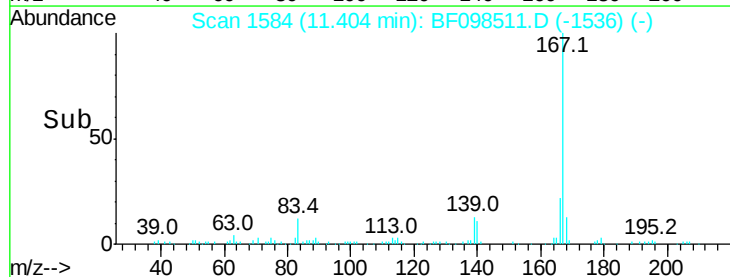
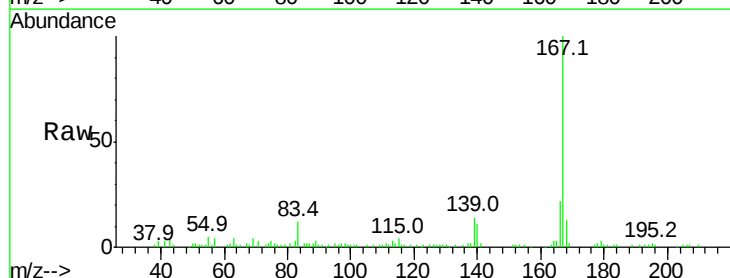
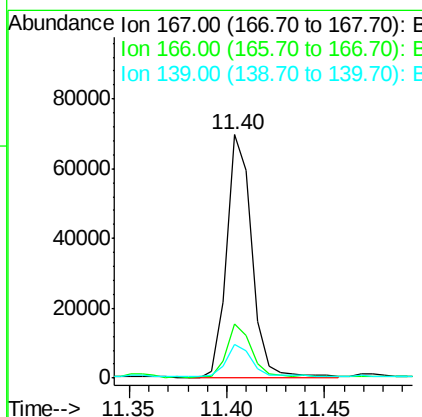
Manual Integrations
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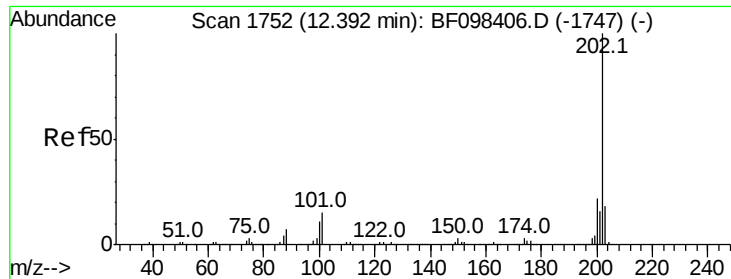
Sohil
 9/14/2017 5:53:06 PM



#72
 Carbazole
 Concen: 2.825 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	13.7	11.7	17.5





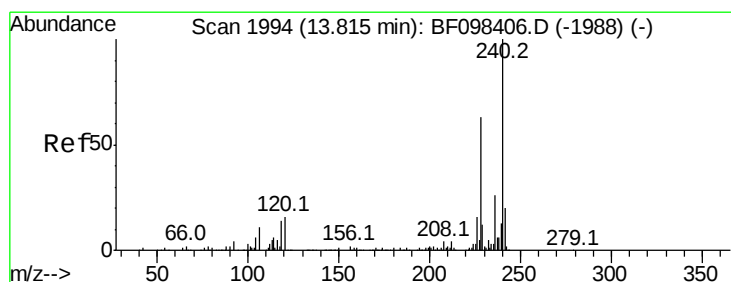
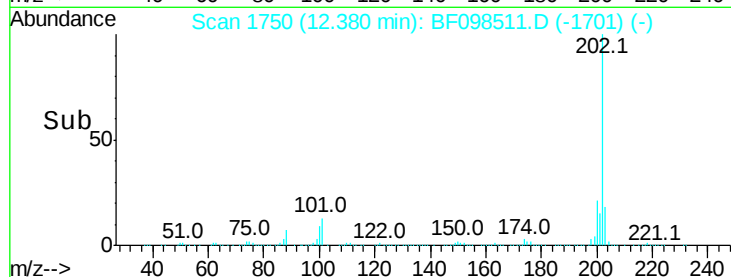
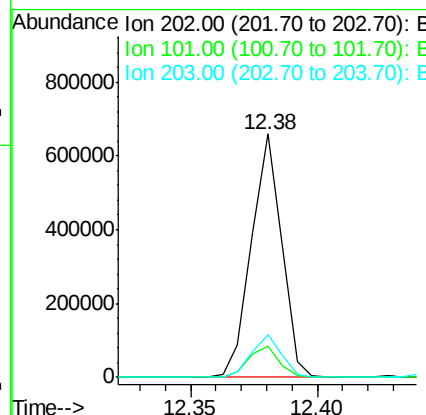
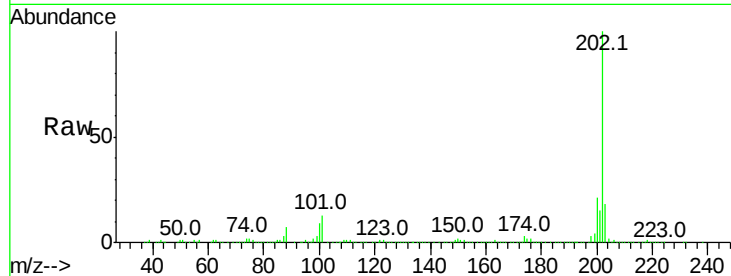
#74
Fluoranthene
Concen: 23.604 ng
RT: 12.38 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampleId :
G-9-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.6	0.0	38.1

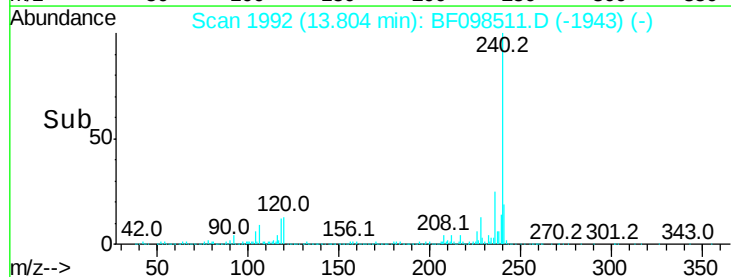
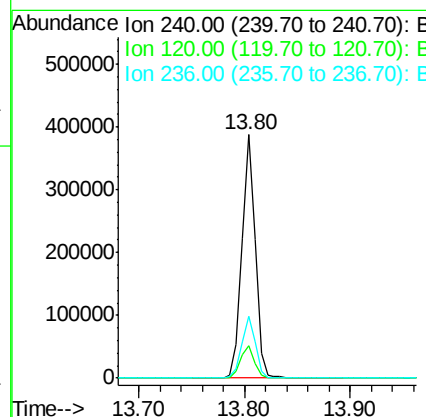
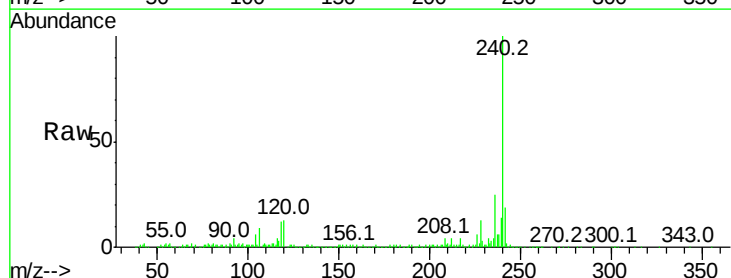
Manual Integrations
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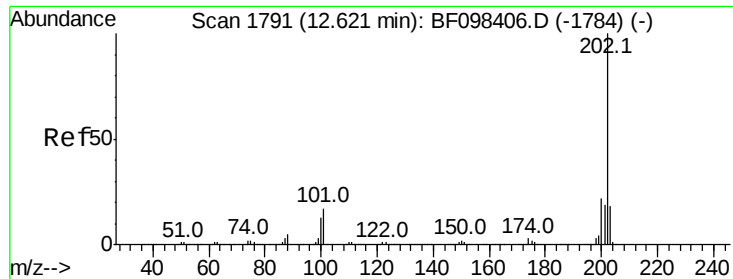
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	25.5	20.5	30.7





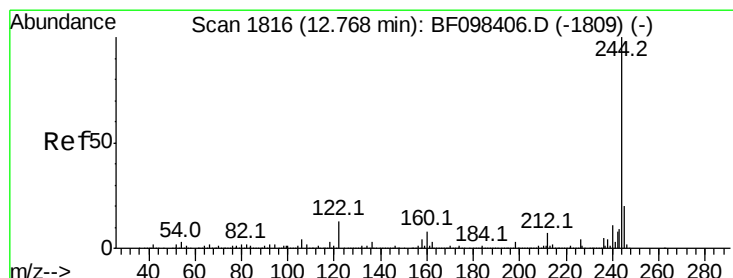
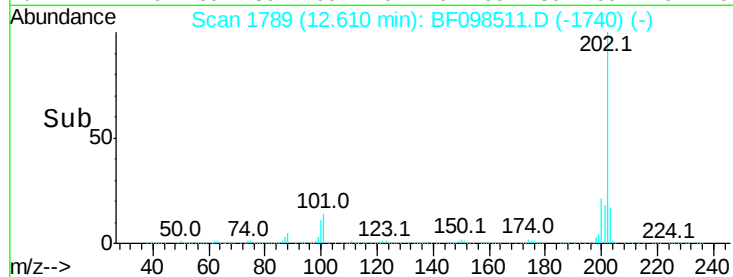
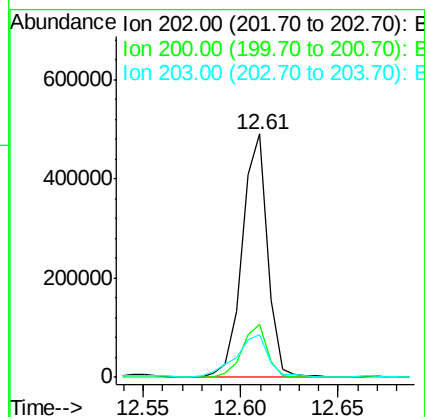
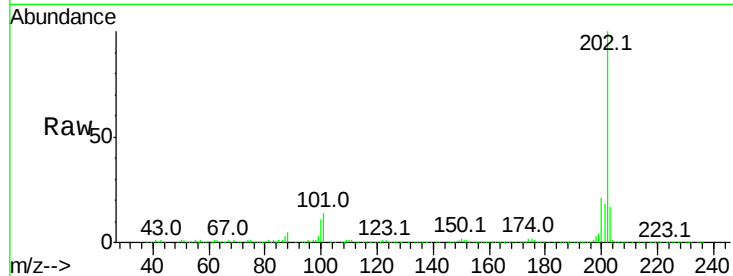
#77
Pvrene
Concen: 16.659 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampled :
G-9-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.4	14.4	21.6

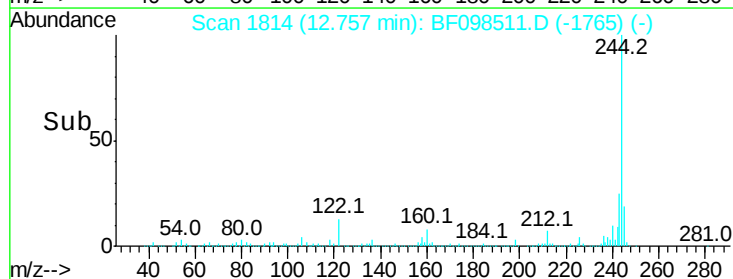
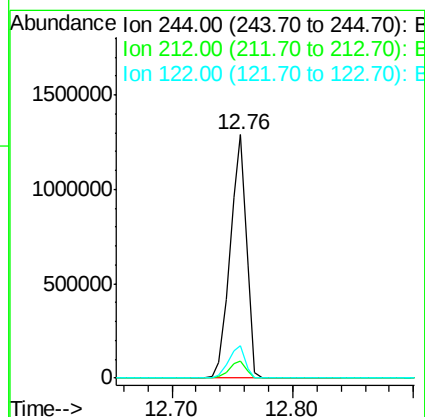
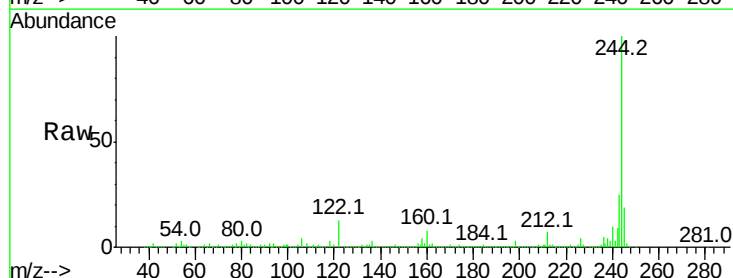
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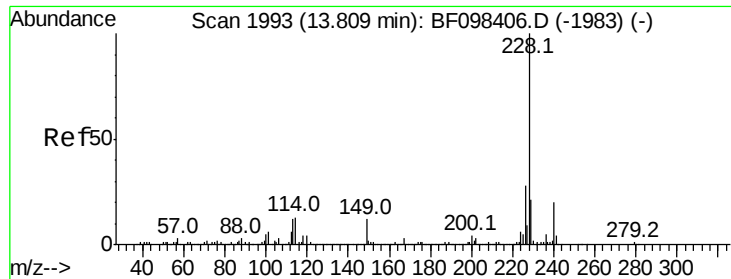
Sohil
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#78
Terphenyl-d14
Concen: 77.276 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.2	10.3	15.5





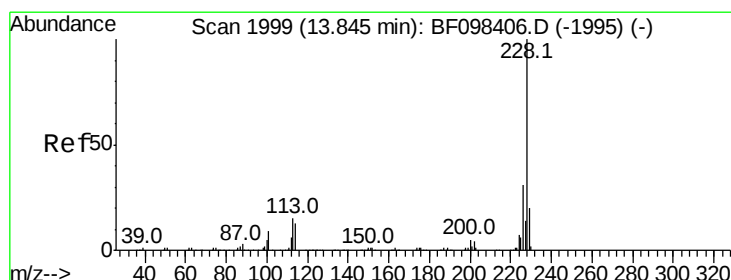
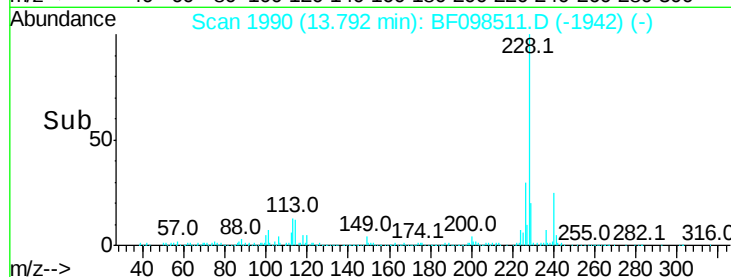
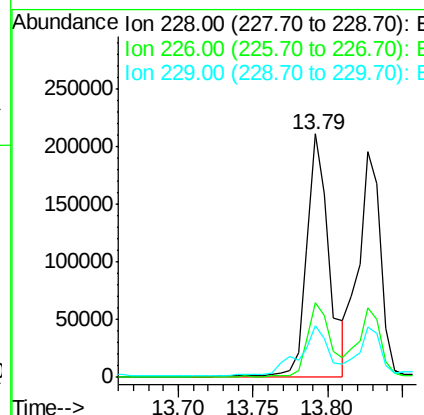
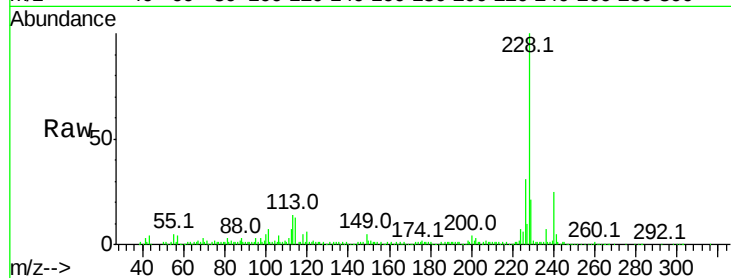
#80
Benzo(a)anthracene
Concen: 11.007 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampled :
G-9-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	21.1	16.3	24.5

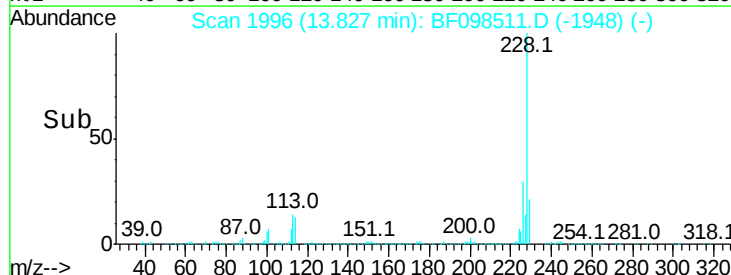
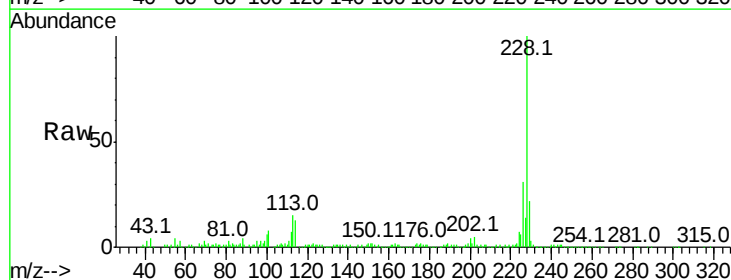
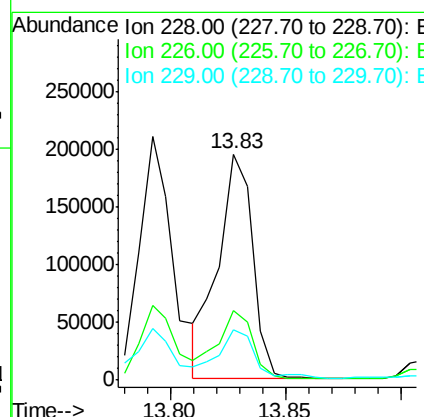
Manual Integrations
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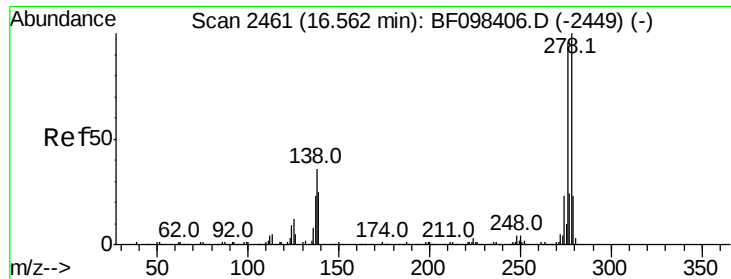
Sohil
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#82
Chrysene
Concen: 10.284 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.3	15.8	23.6





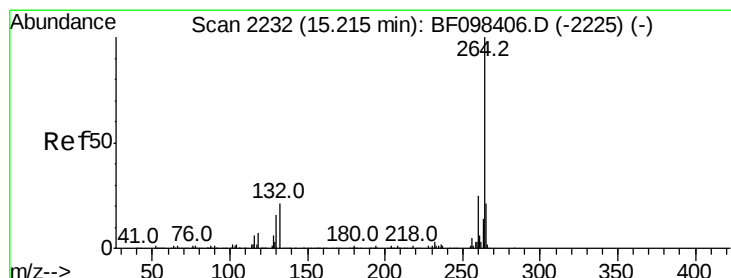
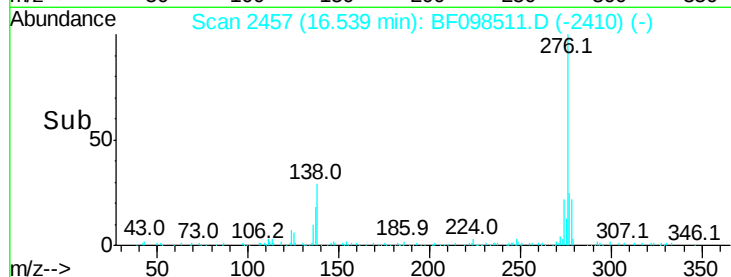
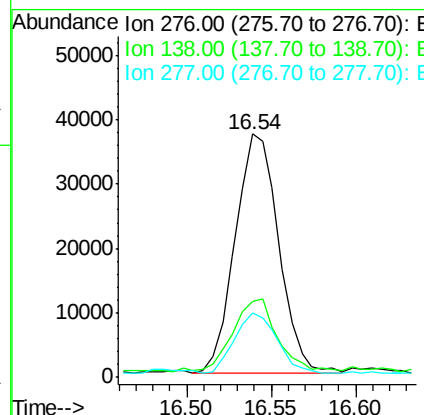
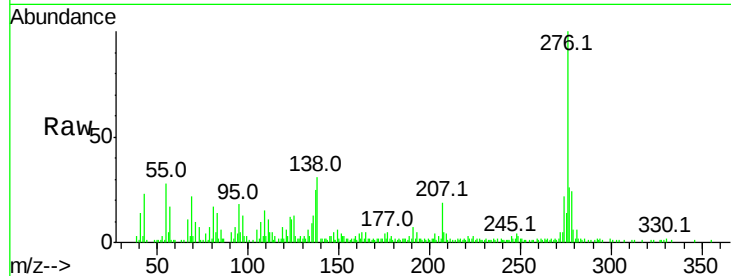
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.754 ng
 RT: 16.54 min Scan# 2457
 Delta R.T. -0.02 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Instrument :
 BNA_F
 ClientSampled :
 G-9-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	24.8	20.2	30.4

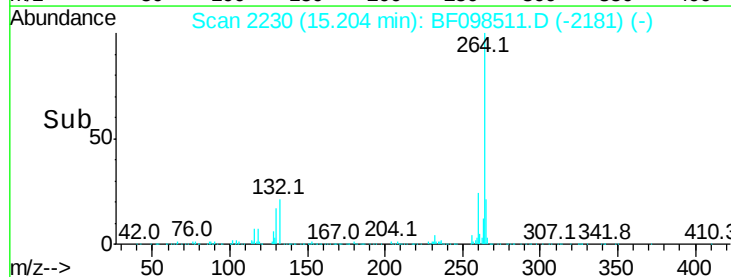
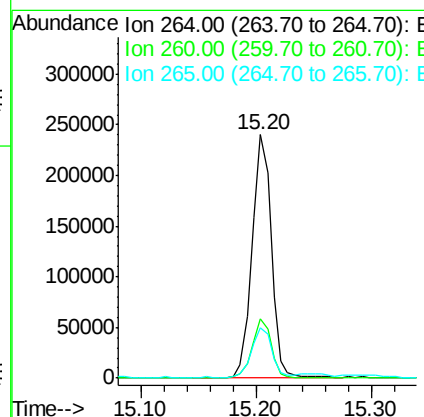
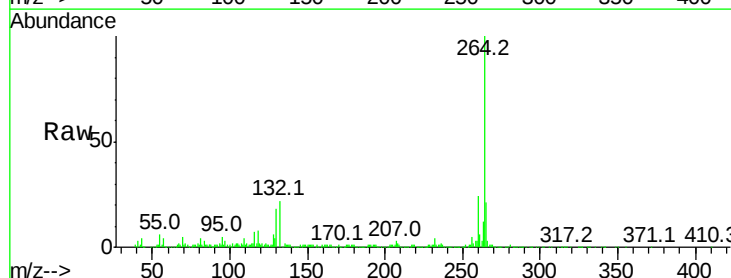
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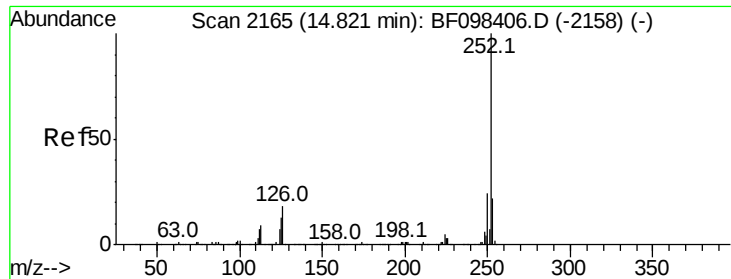
Sohil
 9/14/2017 5:53:06 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF098511.D
 Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	20.9	17.2	25.8





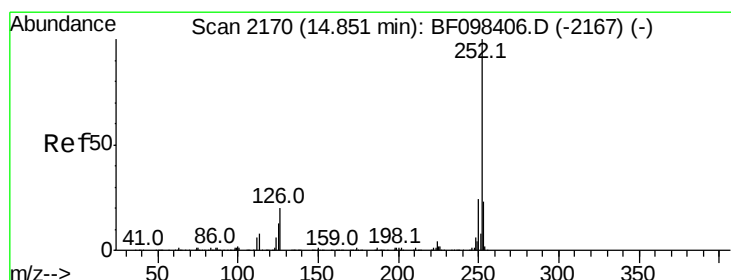
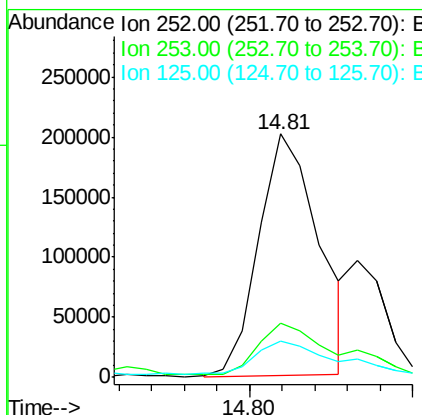
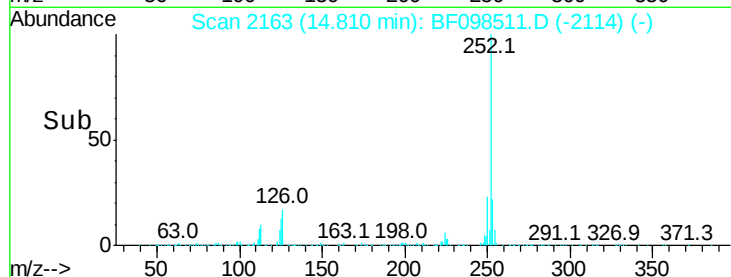
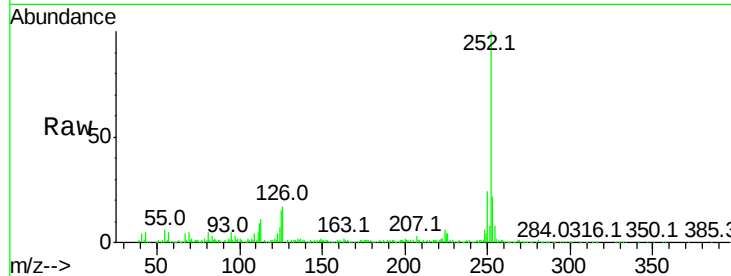
#87
Benzo(b)fluoranthene
Concen: 14.822 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampled :
G-9-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	258767		
253	22.3		18.1	27.1
125	14.9		9.8	14.8#

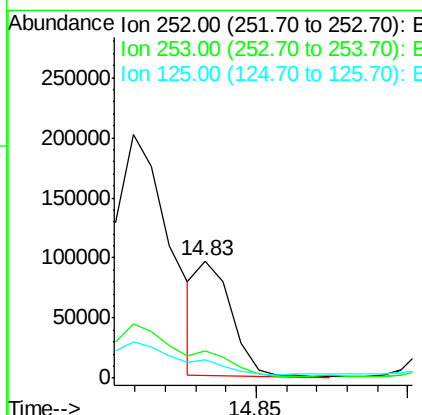
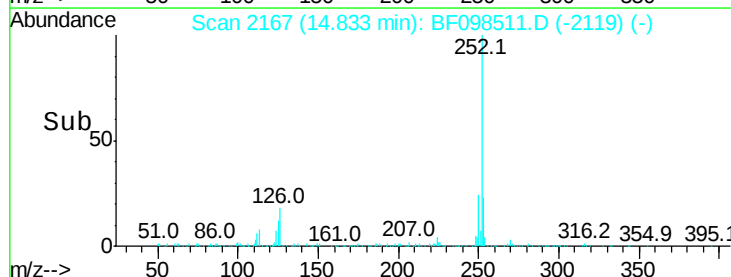
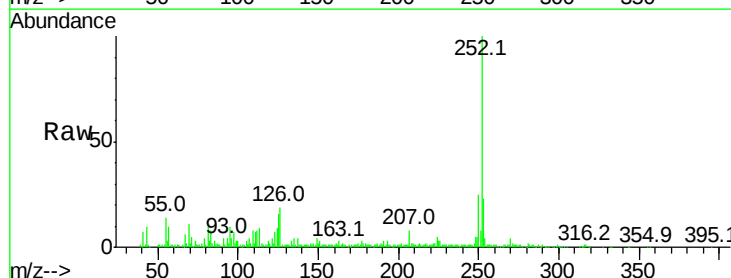
Manual Integrations
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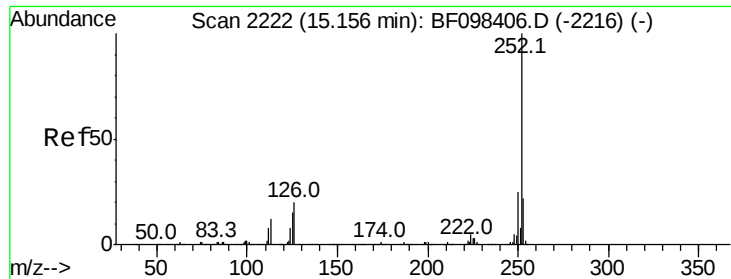
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.611 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	75149		
253	23.0		18.4	27.6
125	15.9		13.1	19.7





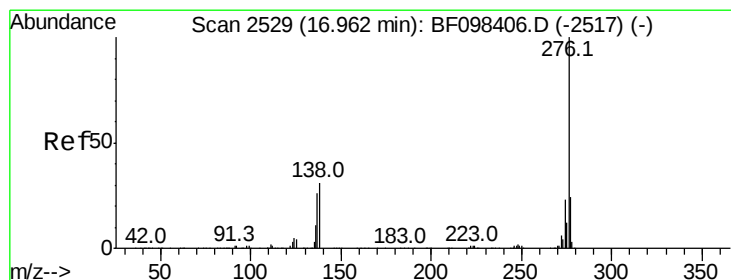
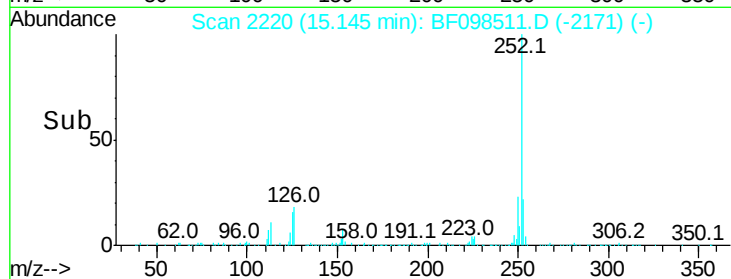
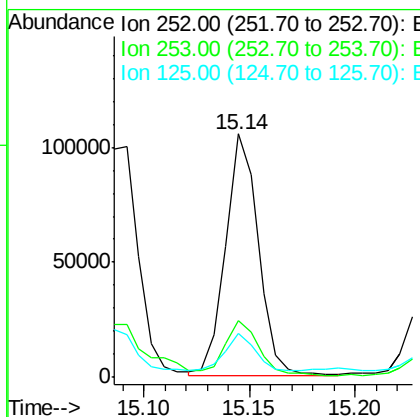
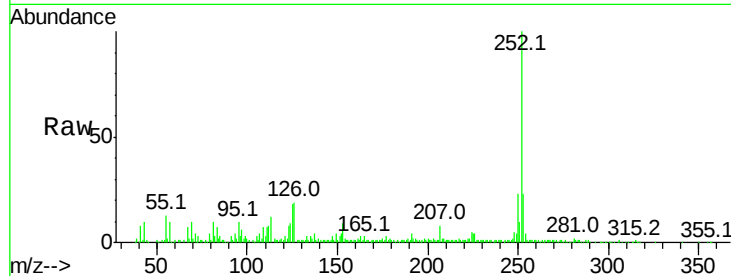
#89
Benzo(a)pyrene
Concen: 7.231 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Instrument :
BNA_F
ClientSampled :
G-9-2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	17.9	11.0	16.4

Manual Integrations
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9/14/2017 5:53:06 PM



#91
Benzo(g,h,i)perylene
Concen: 5.438 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF098511.D
Acq: 14 Sep 2017 1:26

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.7	18.6	28.0
138	30.7	25.4	38.0

