

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073115\
 Data File : BM002151.D
 Acq On : 31 Jul 2015 11:59
 Operator : TP/UM
 Sample : G3030-15DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 3:39:37 PM

Quant Time: Aug 10 12:58:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 02:15:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	37727	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	152007	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	90804	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	208514	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	246536	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	252632	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	274	0.38	ng/uL	0.00
5) Phenol-d5	6.76	99	9477	3.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	5371	3.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	8355	3.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	6847	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	3819	3.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	4049	3.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	8021	3.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	5276	2.08	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	26419	3.97	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	27868	3.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	1877	1.69	ng/ul	0.00
58) Fluorene-d10	15.24	176	20072	3.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.09	188	29537	3.17	ng/ul	0.00
79) Pyrene-d10	19.40	212	33180	3.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	35157	2.87	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.41	128	8531	1.18 ng/ul	98
34) 2-Methylnaphthalene	12.03	142	5859	1.12 ng/ul	94
45) Dimethylphthalate	13.70	163	14171	2.13 ng/ul	100
48) Acenaphthylene	13.96	152	19730	2.30 ng/ul	98
50) Acenaphthene	14.30	153	20928	3.72 ng/ul	96
54) Dibenzofuran	14.64	168	19376	2.40 ng/ul	88
59) Fluorene	15.29	166	44960	6.74 ng/ul	99
70) Phenanthrene	17.04	178	584744	54.14 ng/ul	99
72) Anthracene	17.13	178	133971	12.13 ng/ul	99
75) Carbazole	17.40	167	18531	1.96 ng/ul	98
77) Fluoranthene	19.06	202	668451	53.60 ng/ul	99
80) Pyrene	19.43	202	701447	52.29 ng/ul	99
83) Benzo(a)anthracene	21.18	228	338026	24.73 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.11	149	9417	1.20 ng/ul#	91
85) Chrysene	21.23	228	299581	23.43 ng/ul	98
88) Benzo(b)fluoranthene	22.74	252	306963	21.62 ng/ul	98
89) Benzo(k)fluoranthene	22.77	252	89614m	6.54 ng/ul	
91) Benzo(a)pyrene	23.30	252	244039	17.81 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	129142	8.18 ng/ul	96
93) Dibenzo(a,h)anthracene	25.60	278	39576	2.93 ng/ul#	84
94) Benzo(g,h,i)perylene	26.28	276	109927	8.31 ng/ul	96

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02F0DL

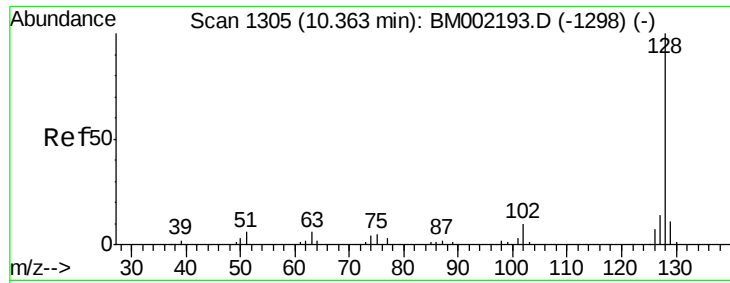
Manual Integrations
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8/3/2015 3:39:37 PM

Quant Time: Aug 10 12:58:01 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 02:15:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



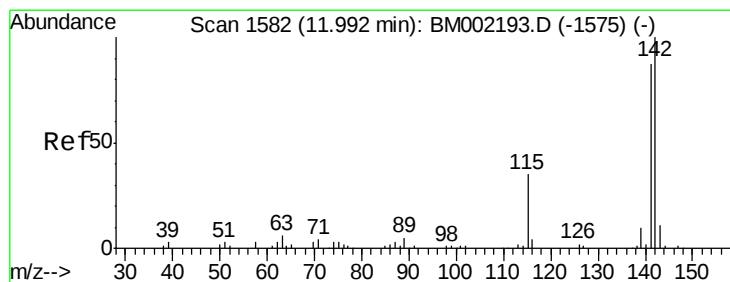
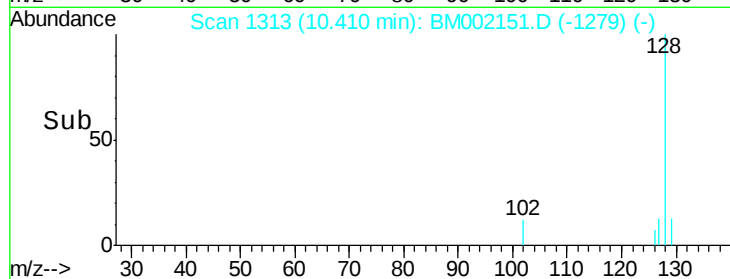
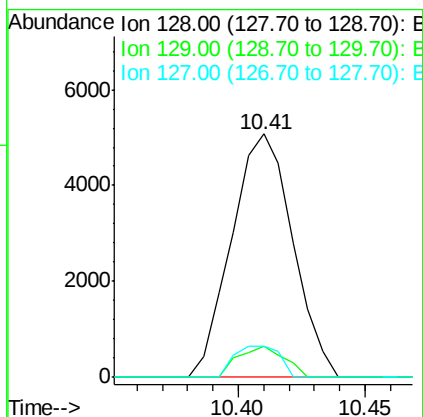
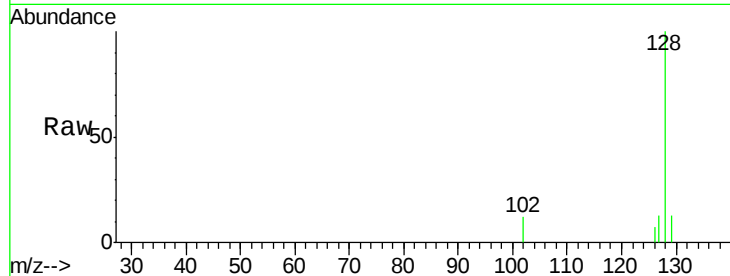
#28
Naphthalene
Concen: 1.18 ng/ul
RT: 10.41 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.0	13.4
127	13.0	10.2	15.4

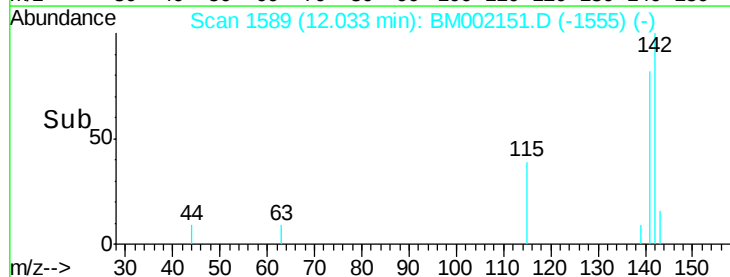
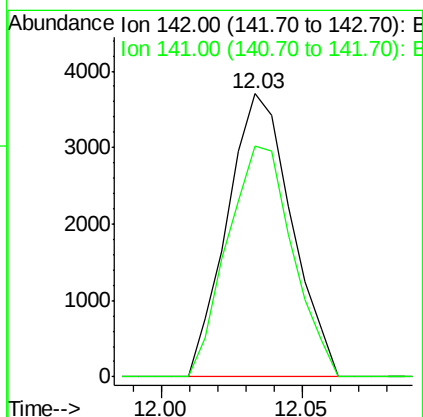
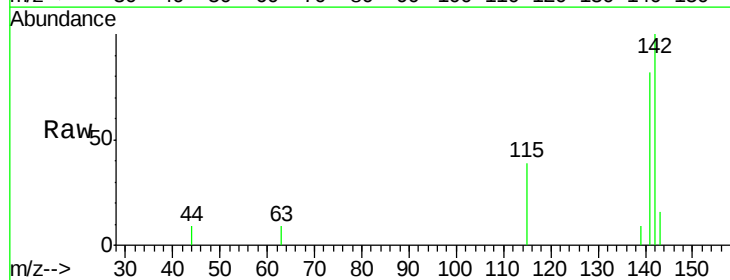
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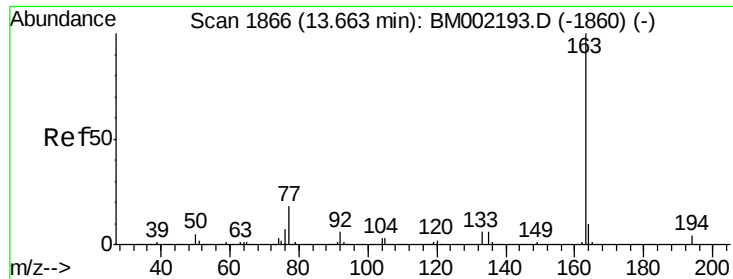
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#34
2-Methylnaphthalene
Concen: 1.12 ng/ul
RT: 12.03 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.8	69.8	104.6





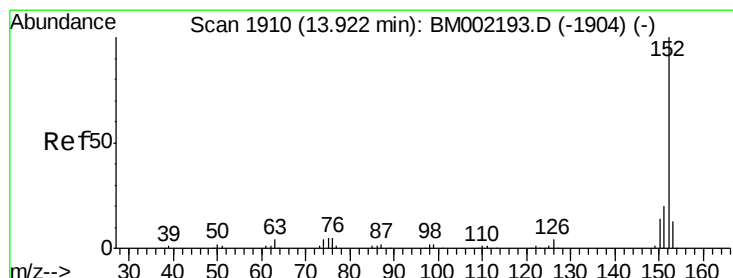
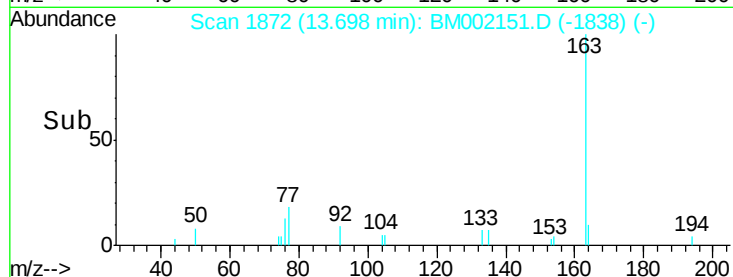
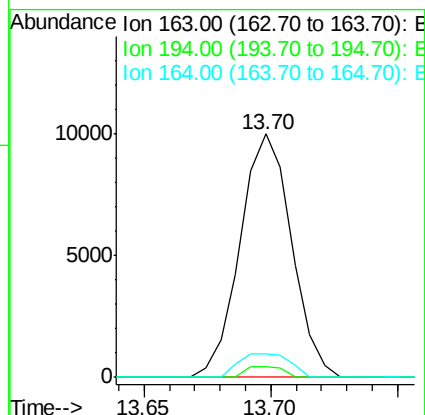
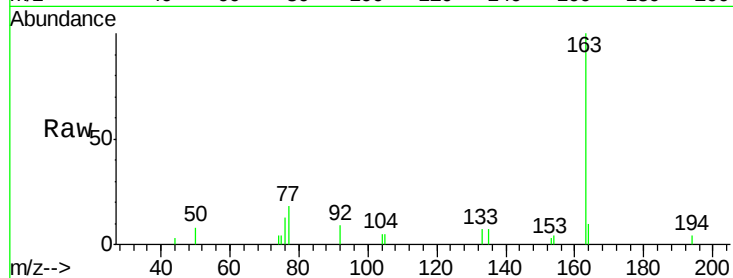
#45
Dimethylphthalate
Concen: 2.13 ng/ul
RT: 13.70 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	14171		
194	4.5	3.5	5.3	
164	9.9	8.0	12.0	

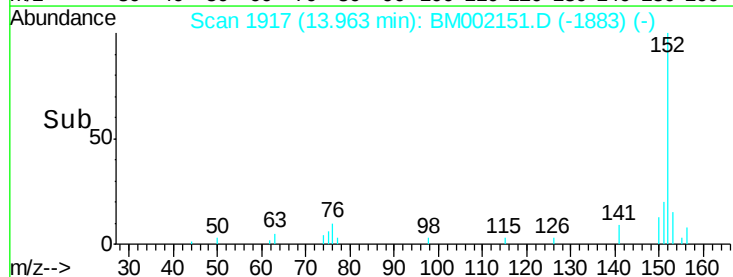
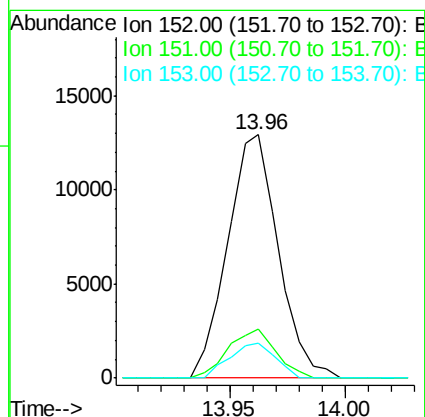
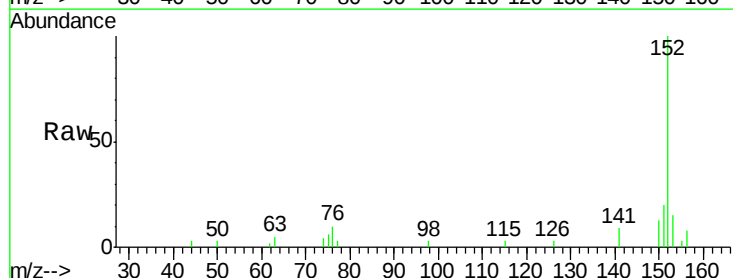
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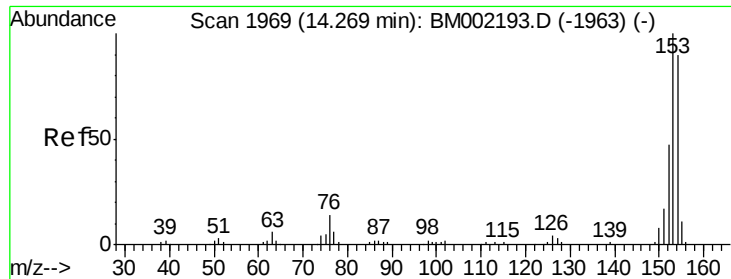
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#48
Acenaphthylene
Concen: 2.30 ng/ul
RT: 13.96 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	19730		
151	20.0	15.6	23.4	
153	14.6	10.3	15.5	





#50

Acenaphthene

Concen: 3.72 ng/ul

RT: 14.30 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BM002151.D

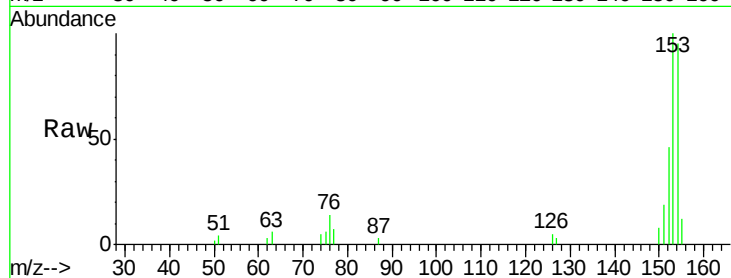
Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

ClientSampleId :

C02F0DL



Tgt Ion:153 Resp: 20928

Ion Ratio Lower Upper

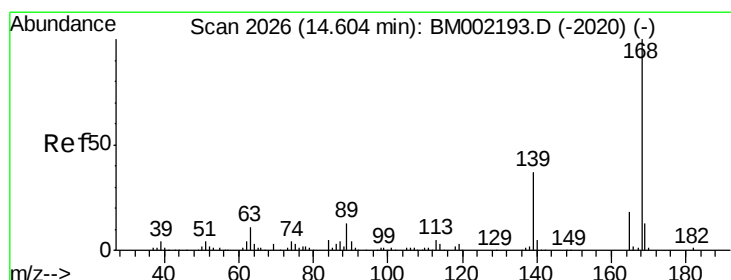
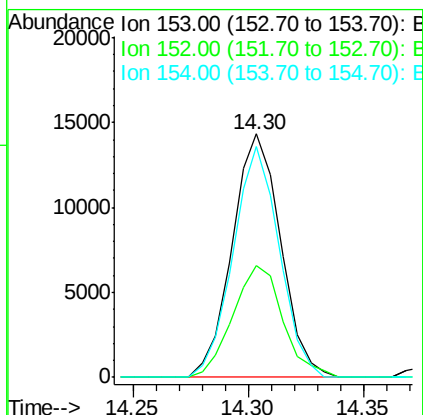
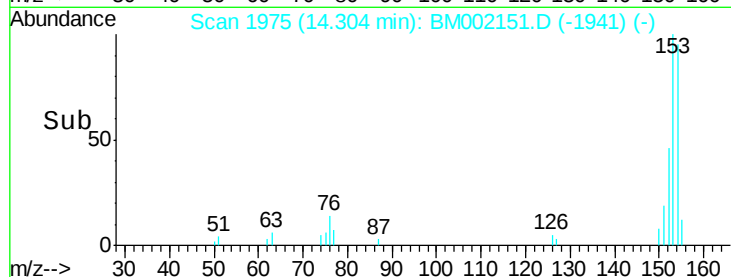
153 100

152 46.1 37.3 55.9

154 95.0 71.4 107.2

Manual Integrations
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#54

Dibenzofuran

Concen: 2.40 ng/ul

RT: 14.64 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM002151.D

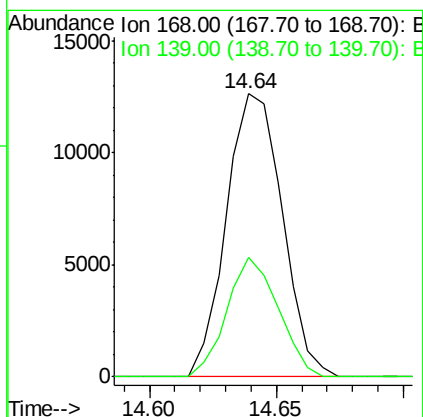
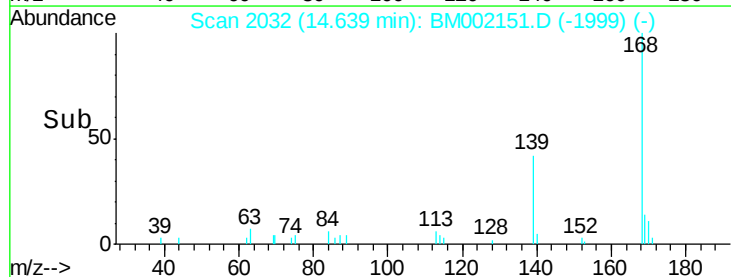
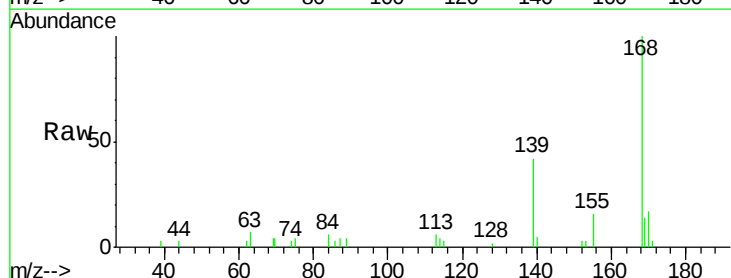
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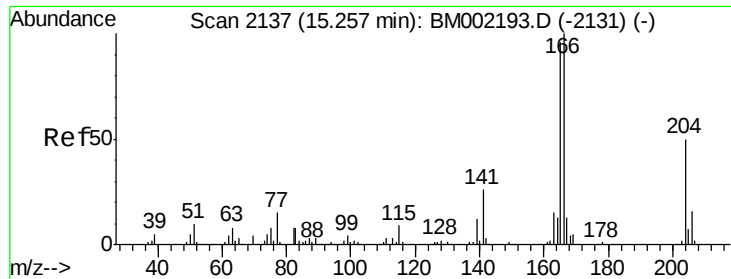
Tgt Ion:168 Resp: 19376

Ion Ratio Lower Upper

168 100

139 42.2 28.2 42.2





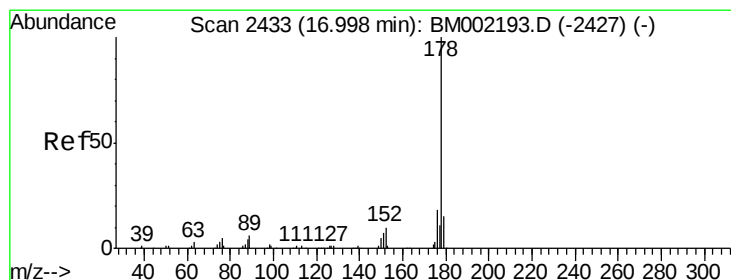
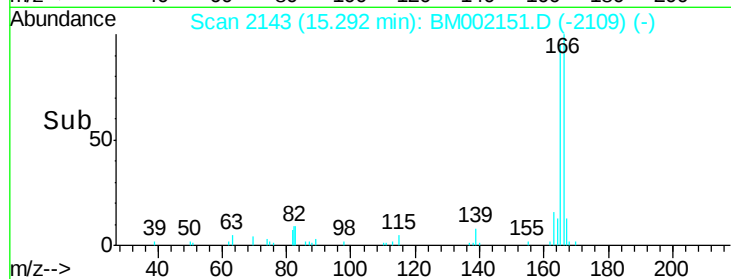
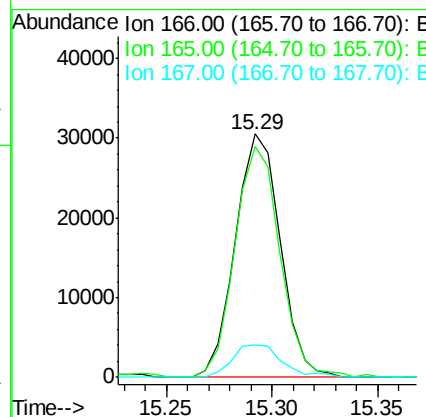
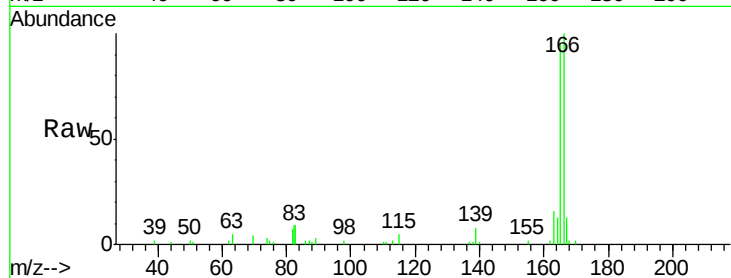
#59
 Fluorene
 Concen: 6.74 ng/ul
 RT: 15.29 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	44960		
165	95.0	75.6	113.4	
167	13.5	10.5	15.7	

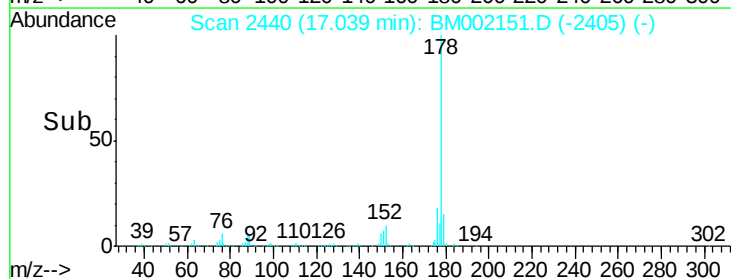
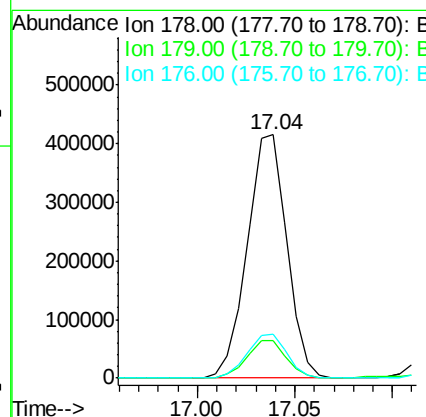
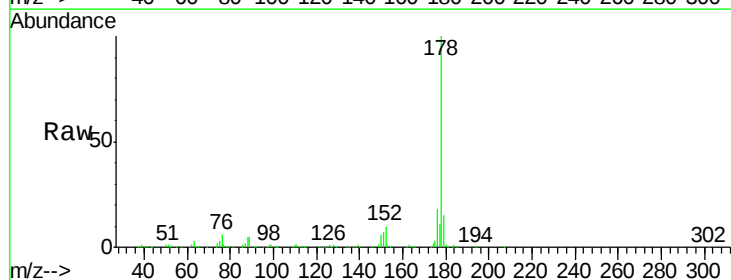
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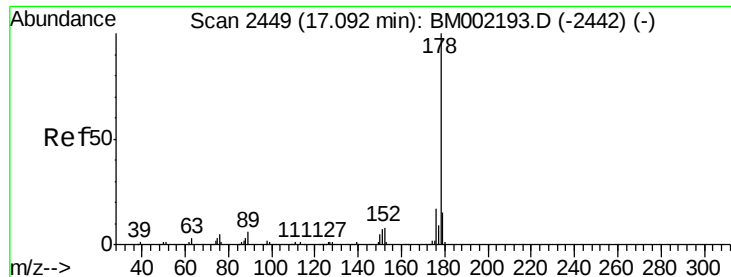
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#70
 Phenanthrene
 Concen: 54.14 ng/ul
 RT: 17.04 min Scan# 2440
 Delta R.T. 0.01 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	584744		
179	15.3	12.5	18.7	
176	18.0	14.2	21.4	





#72

Anthracene

Concen: 12.13 ng/ul

RT: 17.13 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Instrument :

BNA_M

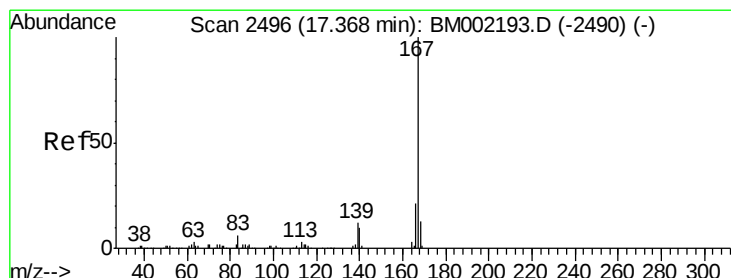
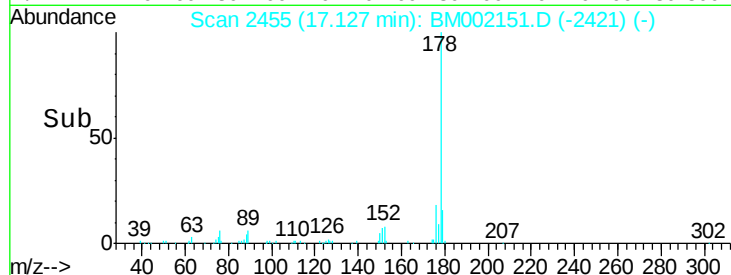
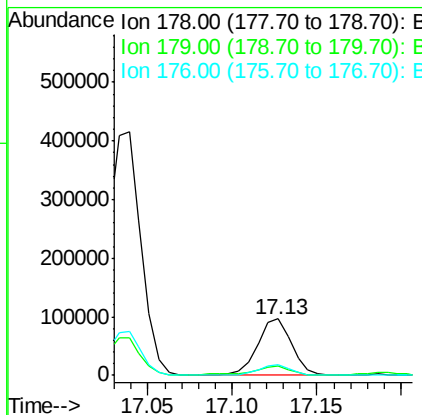
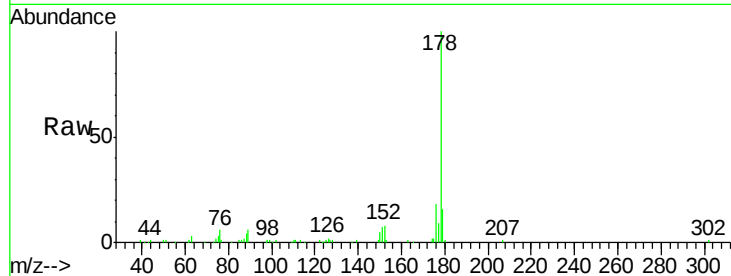
ClientSampleId :

C02F0DL

Manual Integrations
APPROVED

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8/3/2015 3:39:37 PM

Tgt Ion:	178	Resp:	133971
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.1	18.1
176	17.9	14.1	21.1



#75

Carbazole

Concen: 1.96 ng/ul

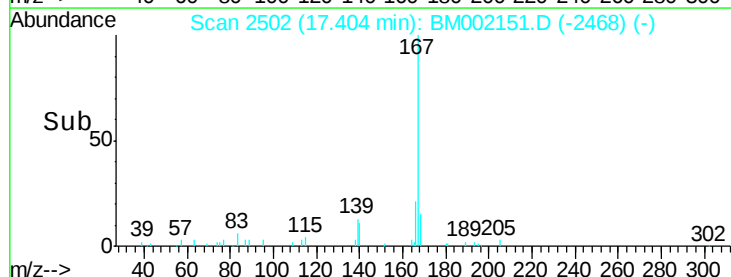
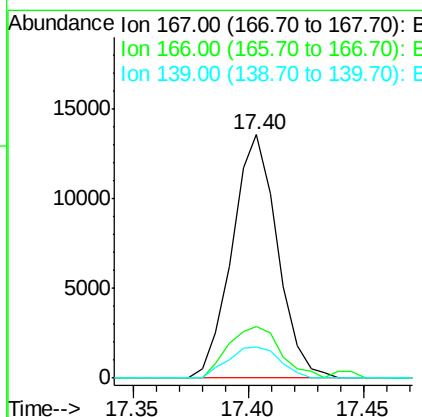
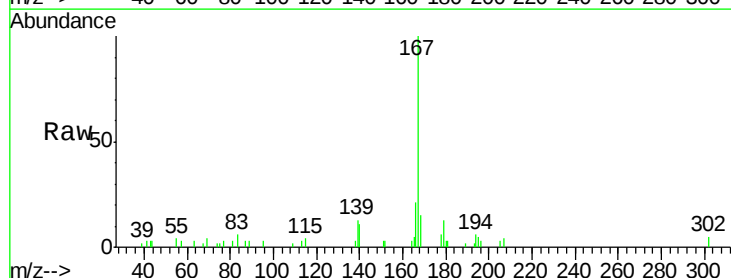
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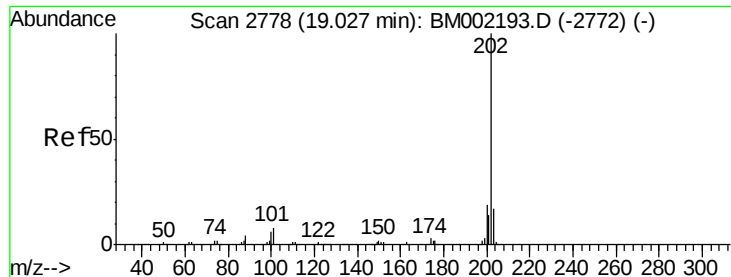
Delta R.T. 0.00 min

Lab File: BM002151.D

Acq: 31 Jul 2015 11:59

Tgt Ion:	167	Resp:	18531
Ion Ratio	Lower	Upper	
167	100		
166	21.4	16.2	24.4
139	12.7	9.6	14.4





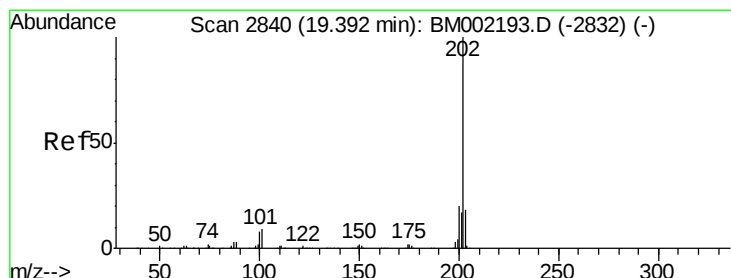
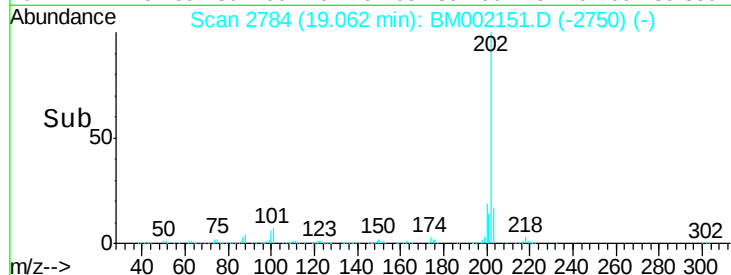
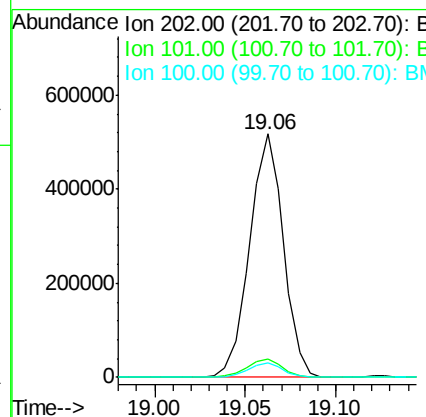
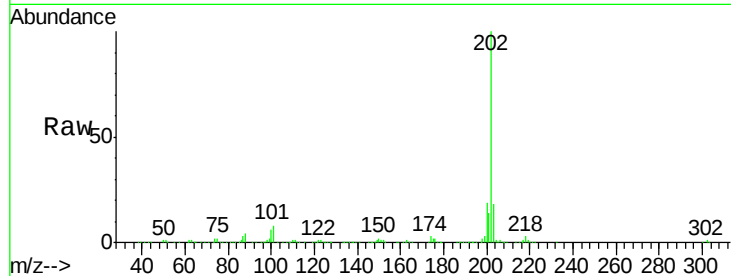
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Fluoranthene
 Concen: 53.60 ng/ul
 RT: 19.06 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		668451		
101	7.5	6.2	9.4		
100	6.0	5.2	7.8		

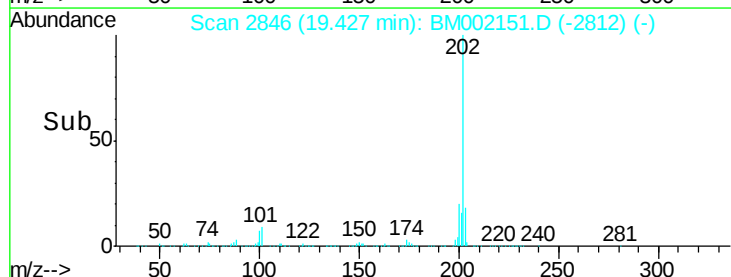
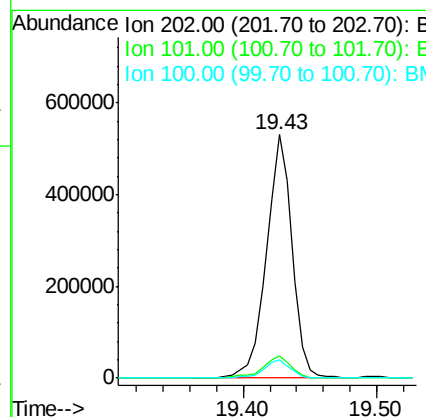
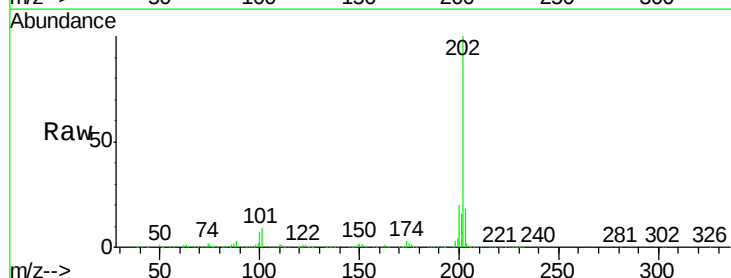
Manual Integrations
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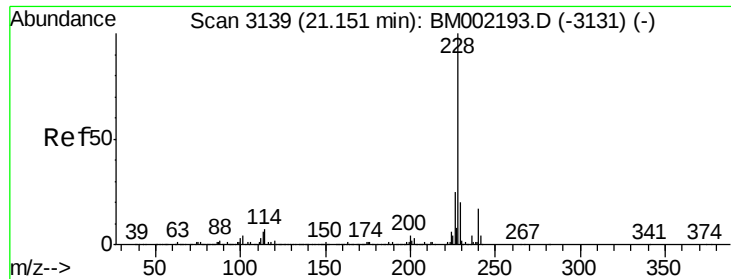
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 8/3/2015 3:39:37 PM



#80
Pyrene
 Concen: 52.29 ng/ul
 RT: 19.43 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		701447		
101	9.1	7.4	11.2		
100	7.3	6.3	9.5		





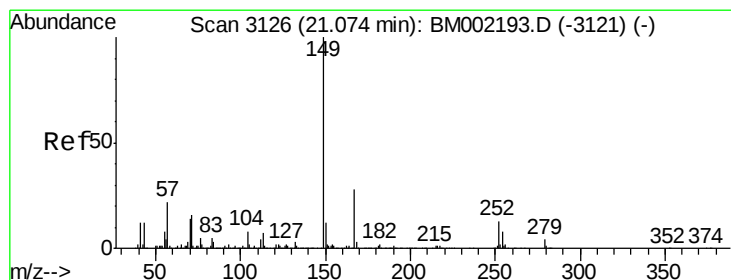
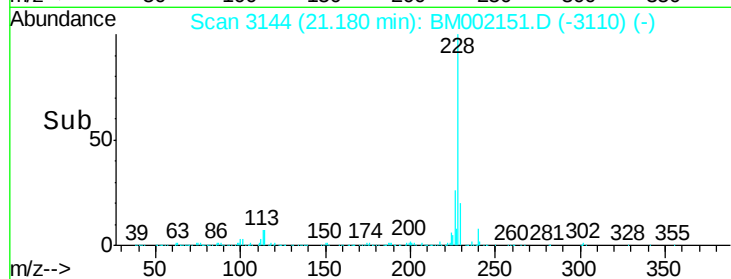
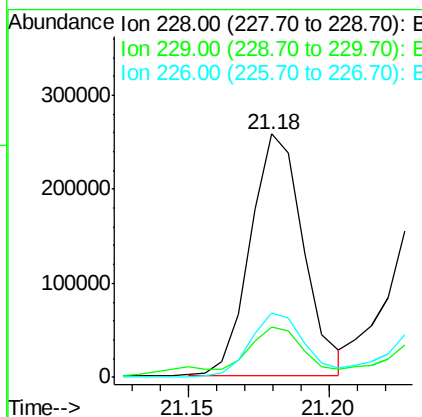
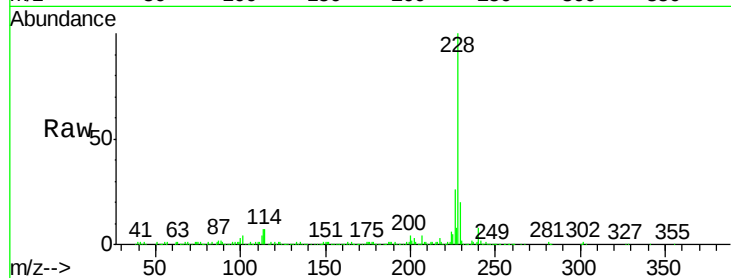
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Benzo(a)anthracene
Concen: 24.73 ng/ul
RT: 21.18 min Scan# 3144
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.5	15.4	23.2
226	26.3	20.5	30.7

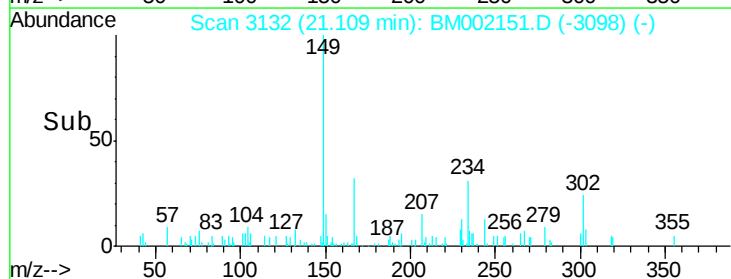
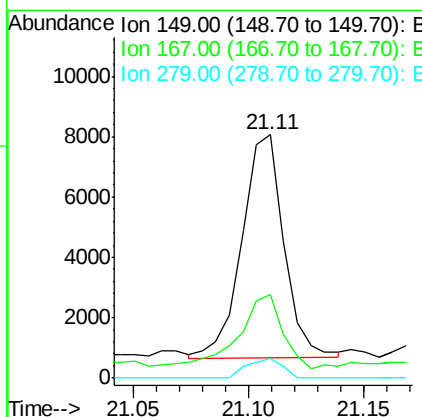
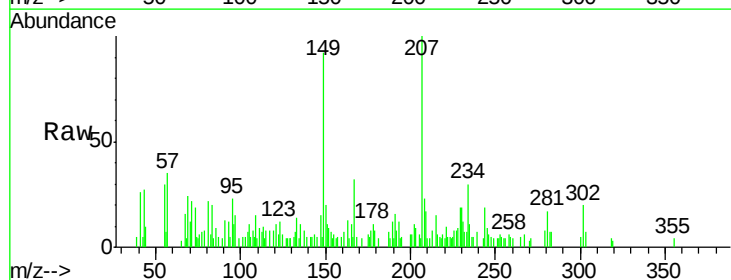
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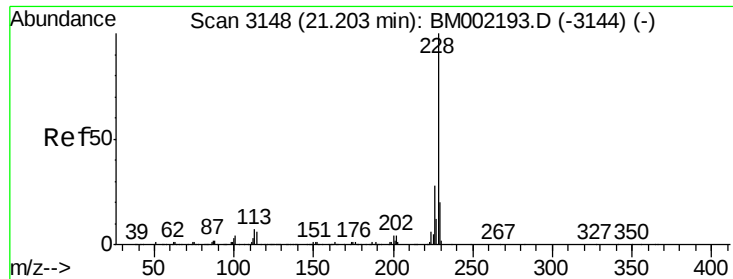
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#84
Bis(2-ethylhexyl)phthalate
Concen: 1.20 ng/ul
RT: 21.11 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	34.3	23.6	35.4
279	8.1	4.2	6.4#





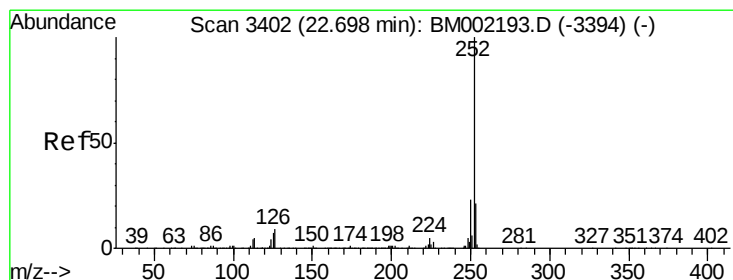
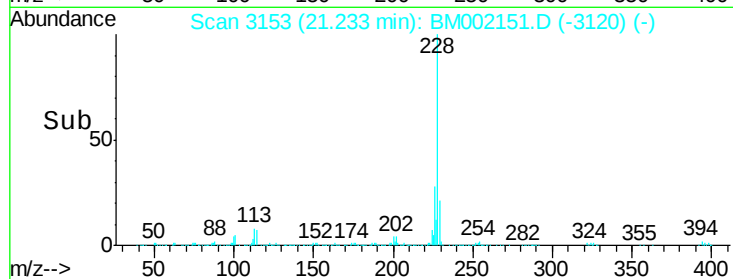
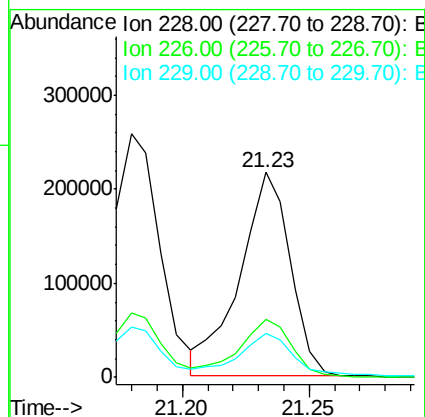
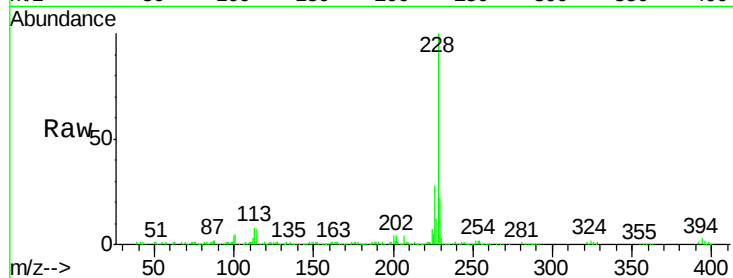
#85
 Chrysene
 Concen: 23.43 ng/ul
 RT: 21.23 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	299581		
226	28.2	22.3	33.5	
229	21.7	15.5	23.3	

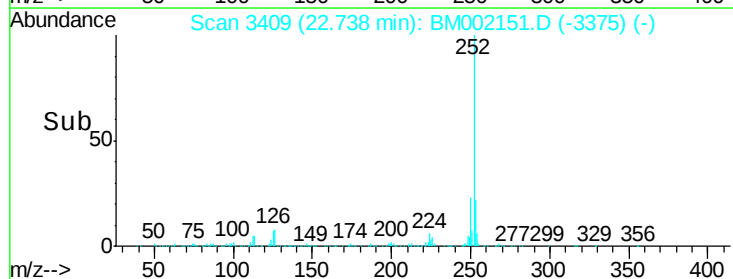
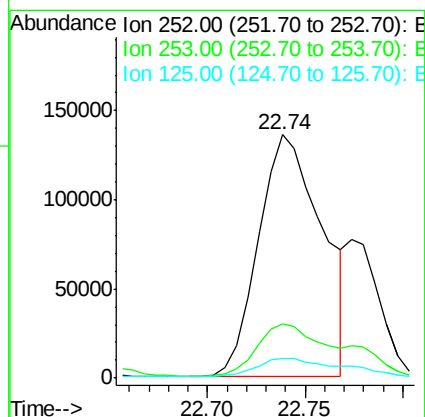
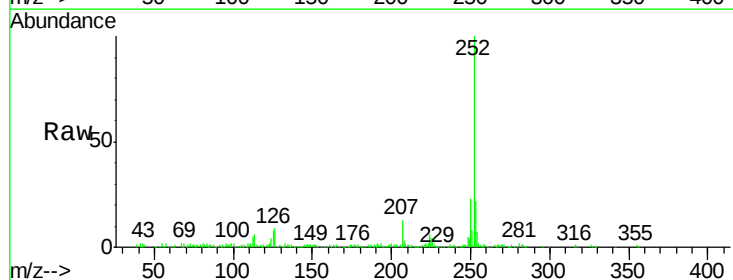
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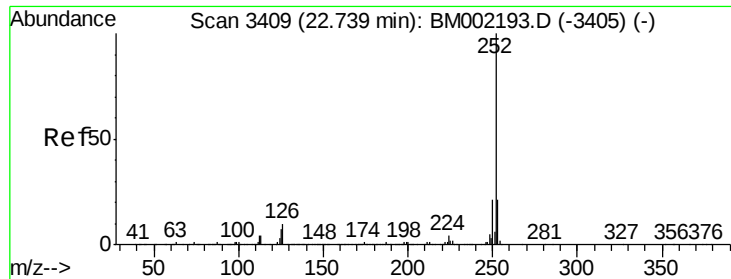
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#88
 Benzo(b)fluoranthene
 Concen: 21.62 ng/ul
 RT: 22.74 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	306963		
253	22.5	16.9	25.3	
125	7.8	6.2	9.2	





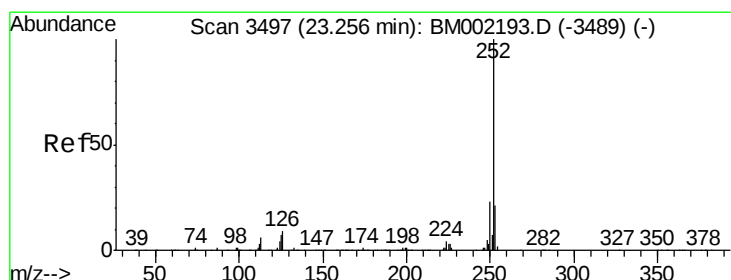
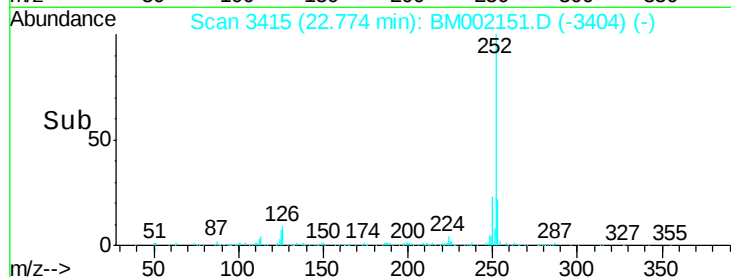
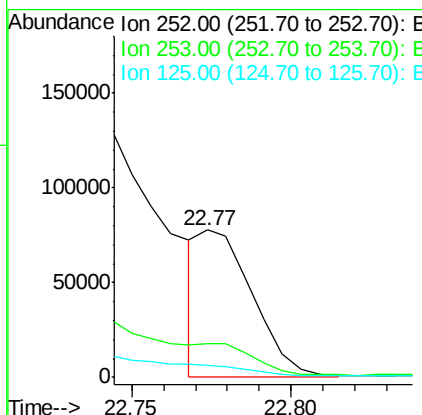
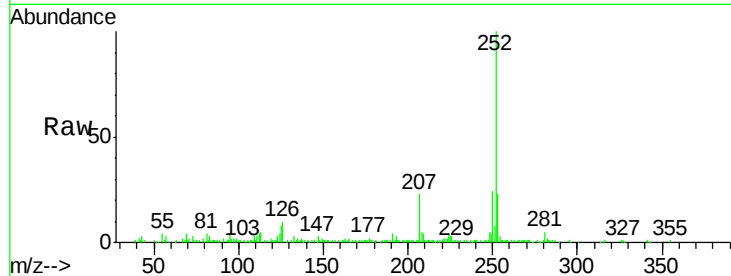
#89
Benzo(k)fluoranthene
Concen: 6.54 ng/ul m
RT: 22.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Instrument :
BNA_M
ClientSampleId :
C02F0DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	8.5	6.2	9.4

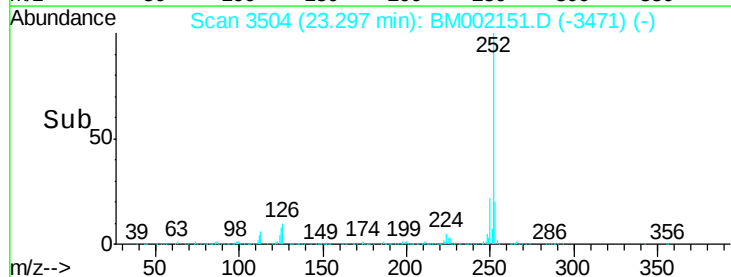
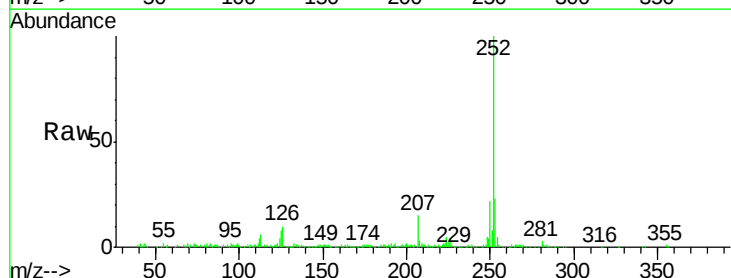
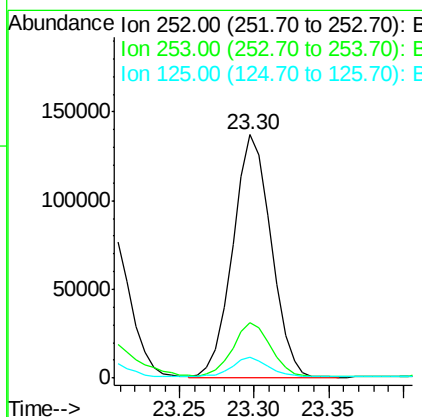
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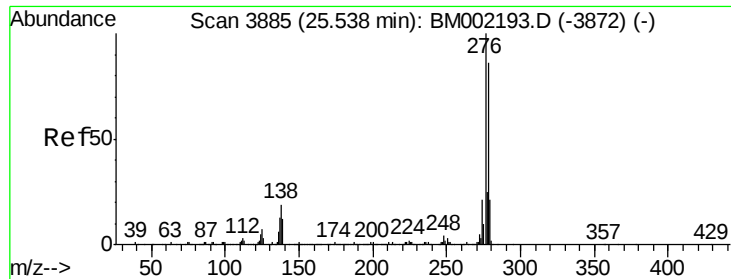
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#91
Benzo(a)pyrene
Concen: 17.81 ng/ul
RT: 23.30 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BM002151.D
Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	8.5	6.6	10.0





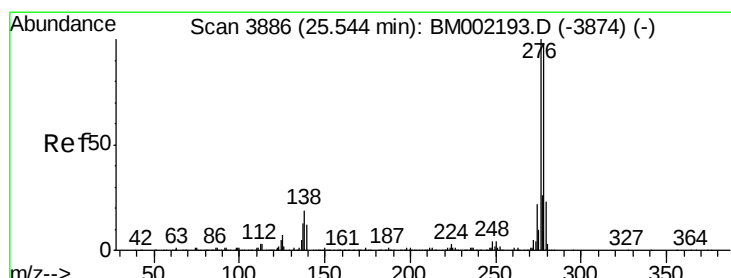
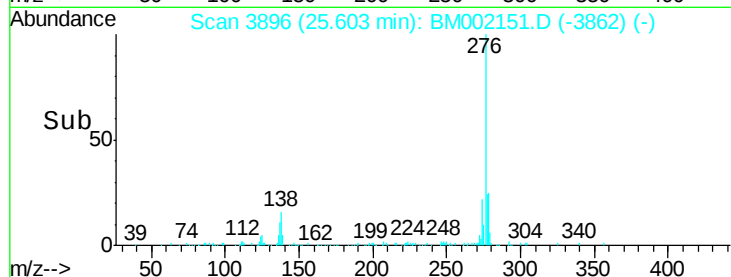
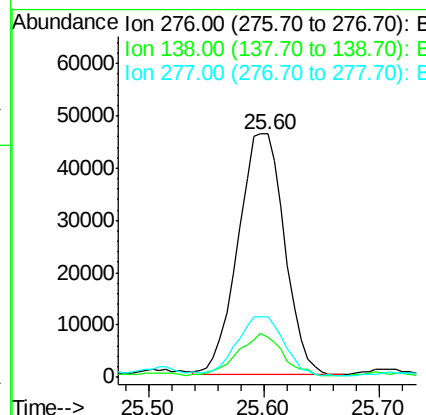
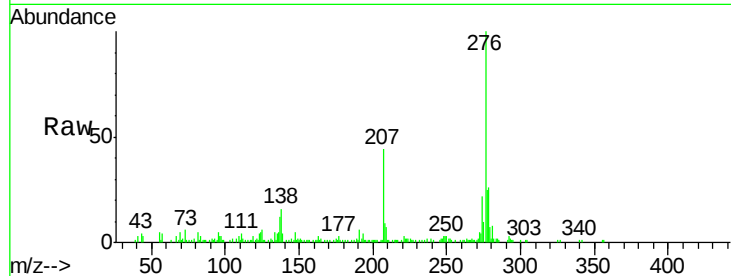
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.18 ng/ul
 RT: 25.60 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	16.2	24.2
277	24.6	19.8	29.8

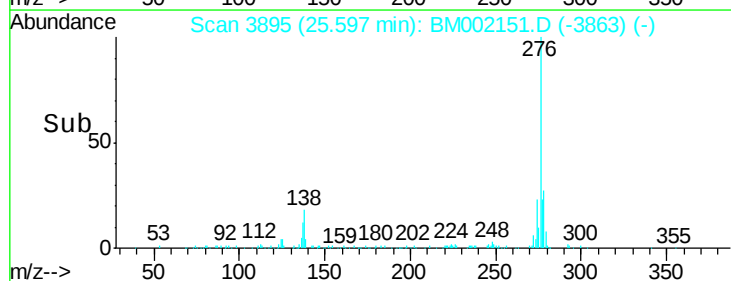
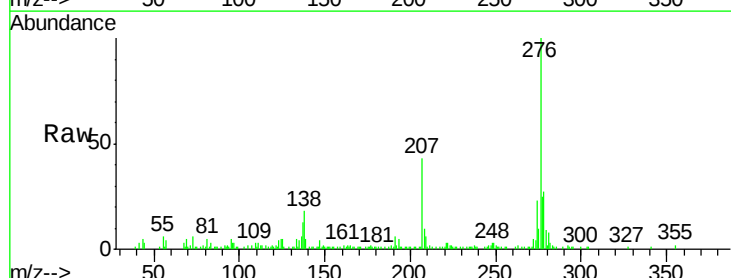
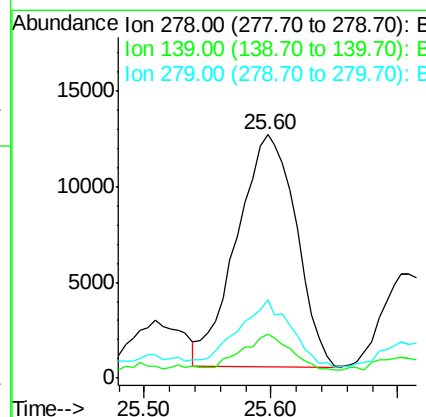
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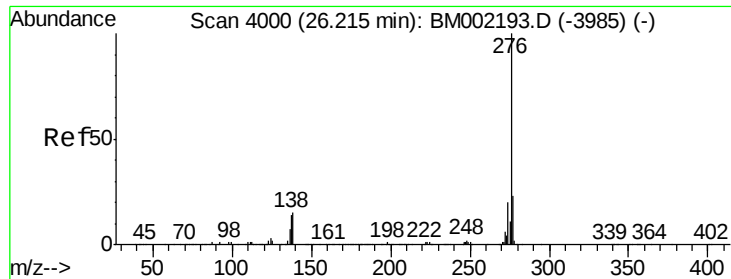
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.93 ng/ul
 RT: 25.60 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	10.6	16.0#
279	32.0	18.5	27.7#





#94
 Benzo(g,h,i)perylene
 Concen: 8.31 ng/ul
 RT: 26.28 min Scan# 4011
 Delta R.T. -0.01 min
 Lab File: BM002151.D
 Acq: 31 Jul 2015 11:59

Instrument :
 BNA_M
 ClientSampleId :
 C02F0DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		109927		
138	15.1	13.8	20.6		
277	24.1	18.2	27.2		

Manual Integrations
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