

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004065.D
 Acq On : 16 Jan 2016 01:37
 Operator : SJ/UM
 Sample : H1100-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9C7

Manual Integrations
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 1/16/2016 5:01:37 AM

Quant Time: Jan 16 03:58:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 03:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	35920	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	172834	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	101129	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	225185	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	194285	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	178007	20.00	ng/ul	0.00

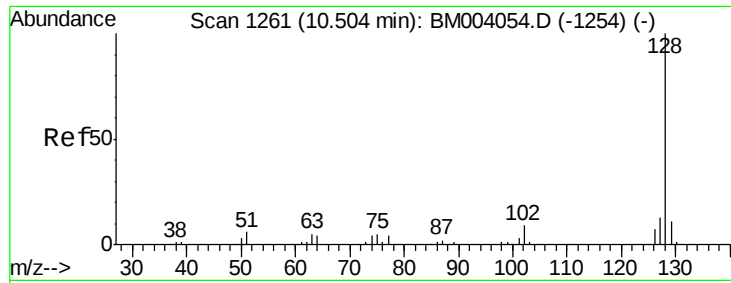
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2593	3.23	ng/uL	0.00
5) Phenol-d5	6.85	99	68911	23.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	38243	22.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	58643	23.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	51033	21.12	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	29235	22.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	31900	22.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	56759	22.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	36586	10.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	185084	23.31	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	230153	23.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	24626	17.27	ng/ul	0.00
58) Fluorene-d10	15.32	176	162578	24.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	14277	11.24	ng/ul	0.00
71) Anthracene-d10	17.17	188	249423	23.95	ng/ul	0.00
79) Pyrene-d10	19.48	212	258515	25.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	216397	24.34	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	18847	2.09	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	8841	1.39	ng/ul	97
45) Dimethylphthalate	13.78	163	77867	9.62	ng/ul	100
48) Acenaphthylene	14.04	152	42600	4.02	ng/ul	99
50) Acenaphthene	14.39	153	21962	3.13	ng/ul	98
54) Dibenzofuran	14.72	168	13152	1.34	ng/ul	99
59) Fluorene	15.37	166	31441	4.04	ng/ul	99
70) Phenanthrene	17.12	178	530407	41.89	ng/ul	100
72) Anthracene	17.20	178	138903	10.69	ng/ul	100
75) Carbazole	17.48	167	60038	5.26	ng/ul	98
77) Fluoranthene	19.14	202	963860	73.25	ng/ul	99
80) Pyrene	19.51	202	993219	75.31	ng/ul	98
83) Benzo(a)anthracene	21.26	228	462984	40.02	ng/ul	97
85) Chrysene	21.32	228	492167	44.77	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	515596	47.64	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	169617m	16.47	ng/ul	
91) Benzo(a)pyrene	23.43	252	390601	38.06	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	230266	20.28	ng/ul	97
93) Dibenzo(a,h)anthracene	25.78	278	69689	7.31	ng/ul#	91
94) Benzo(g,h,i)perylene	26.47	276	187627	19.68	ng/ul	99

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



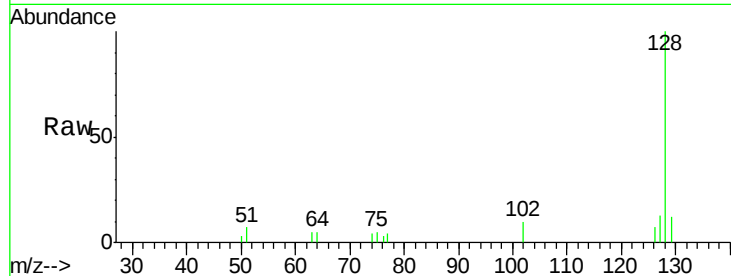
#28
Naphthalene
Concen: 2.09 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampled :
BC9C7

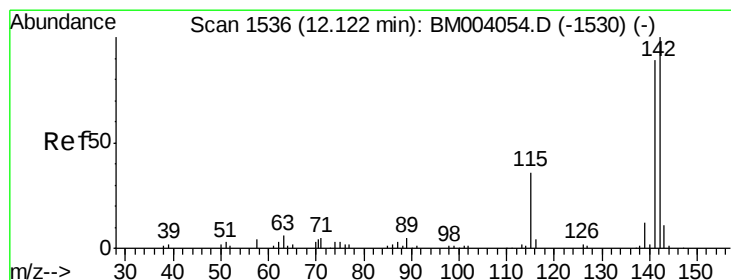
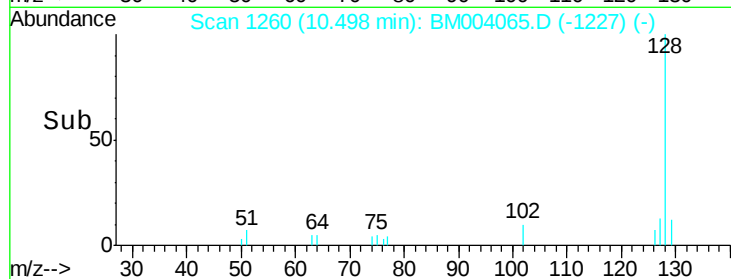
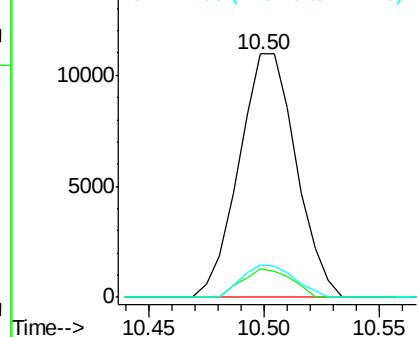
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	18847		
129	11.8	8.8	13.2	
127	13.3	10.5	15.7	

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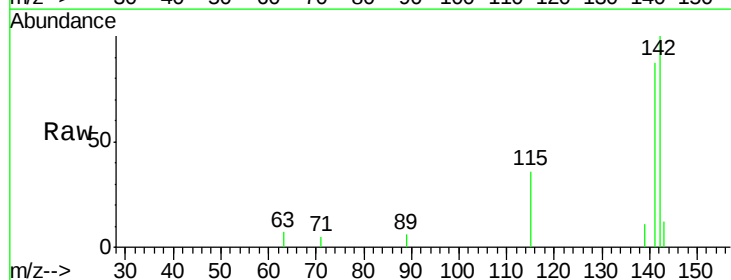


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

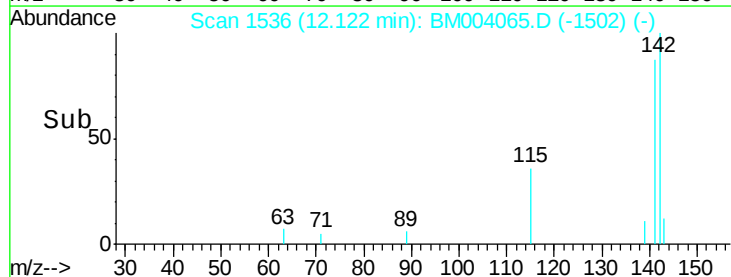
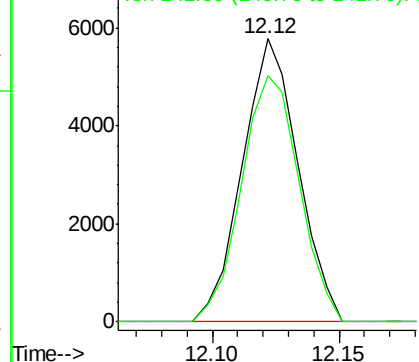


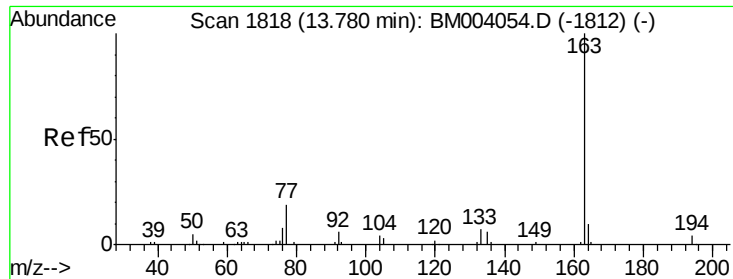
#34
2-Methylnaphthalene
Concen: 1.39 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	8841		
141	86.8	71.6	107.4	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





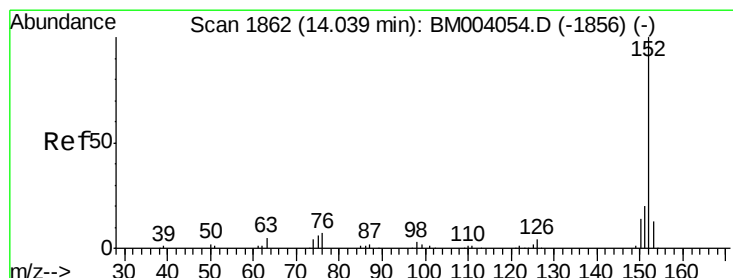
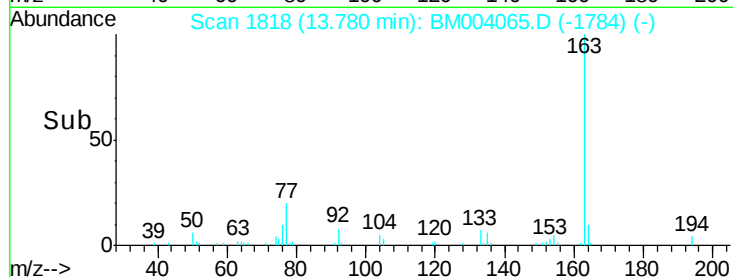
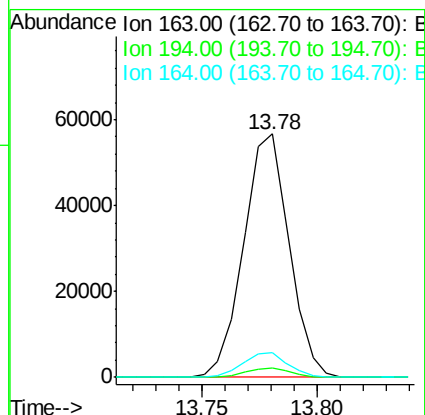
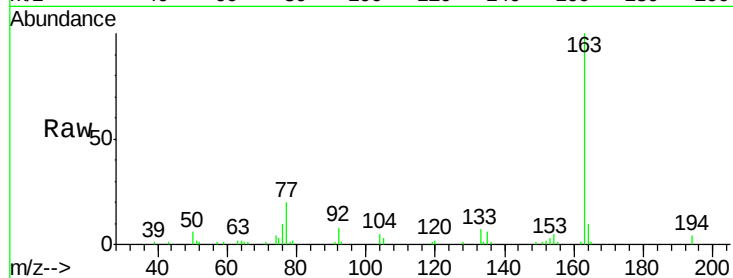
#45
Dimethylphthalate
Concen: 9.62 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampleId :
BC9C7

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	77867		
194	4.0		3.2	4.8
164	10.0		7.8	11.8

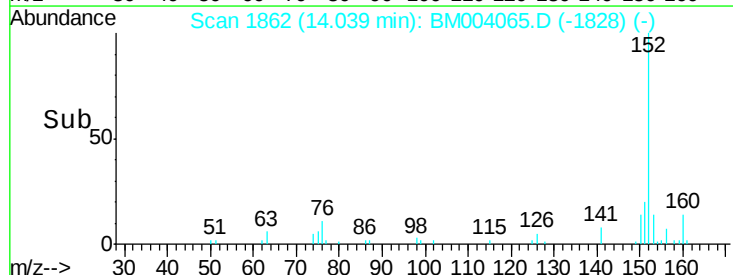
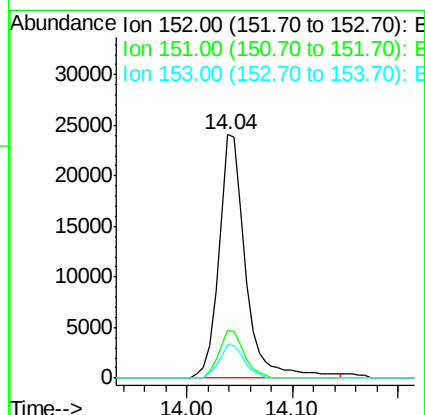
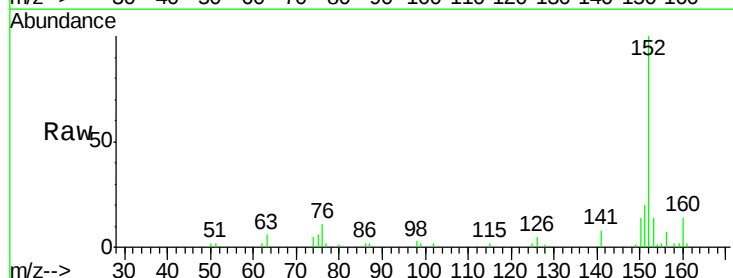
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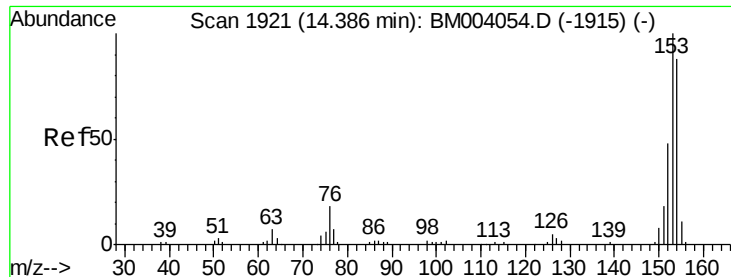
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#48
Acenaphthylene
Concen: 4.02 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	42600		
151	19.6		15.7	23.5
153	14.0		10.5	15.7





#50

Acenaphthene

Concen: 3.13 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004065.D

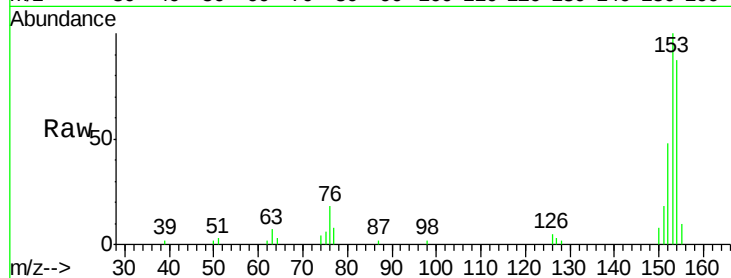
Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7



Tgt Ion:153 Resp: 21962

Ion Ratio Lower Upper

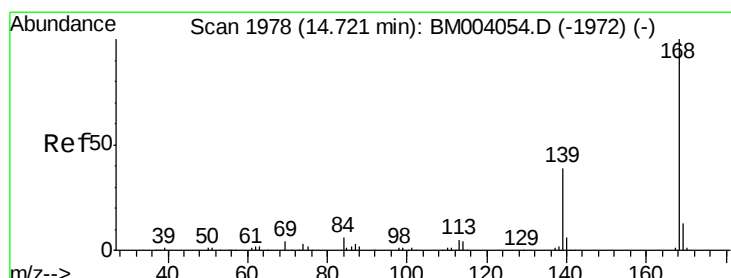
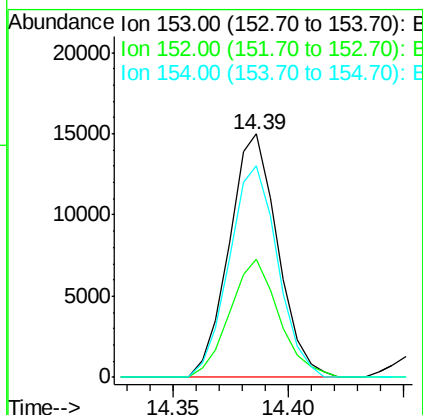
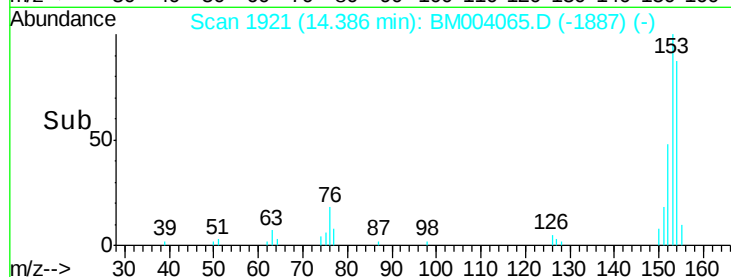
153 100

152 48.3 38.3 57.5

154 86.8 71.8 107.8

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#54

Dibenzofuran

Concen: 1.34 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM004065.D

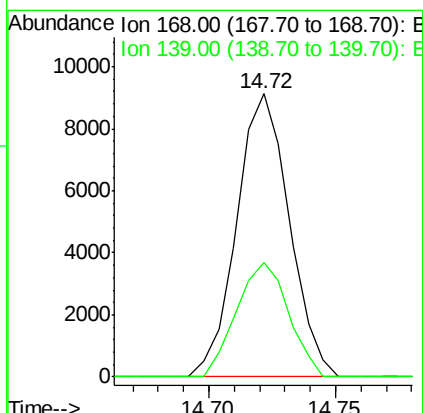
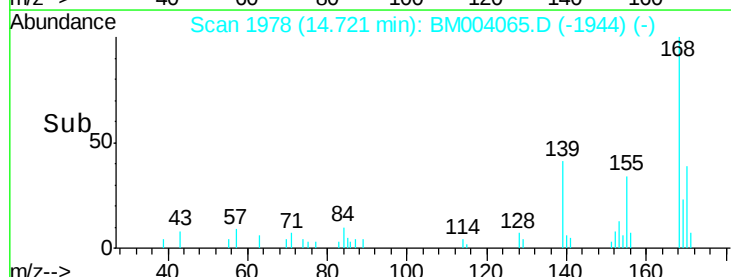
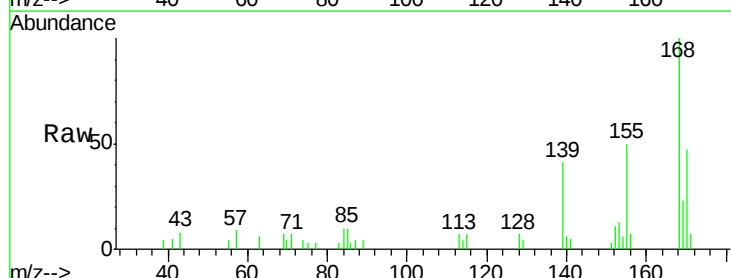
Acq: 16 Jan 2016 01:37

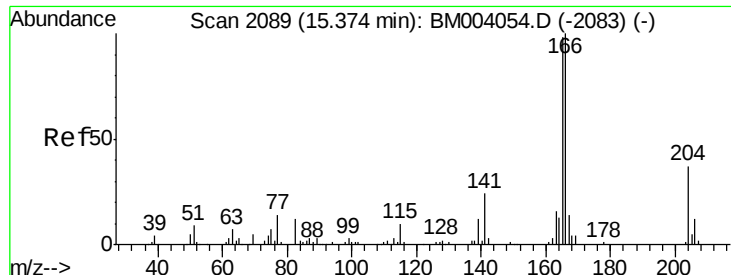
Tgt Ion:168 Resp: 13152

Ion Ratio Lower Upper

168 100

139 40.5 32.2 48.2





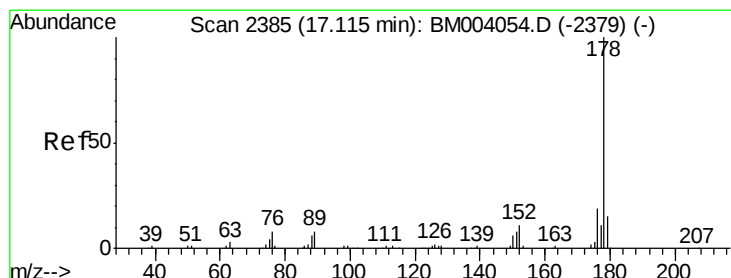
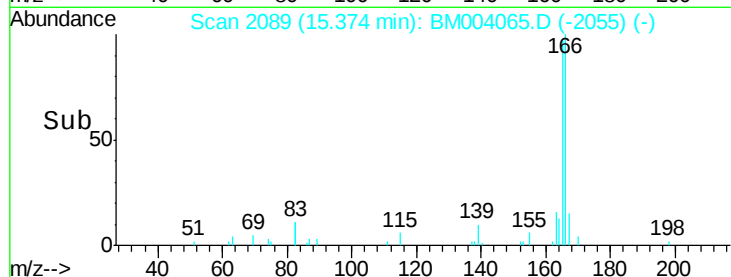
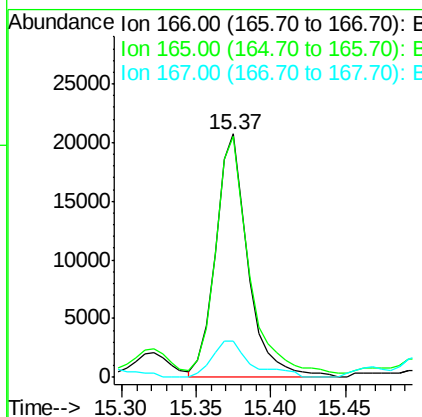
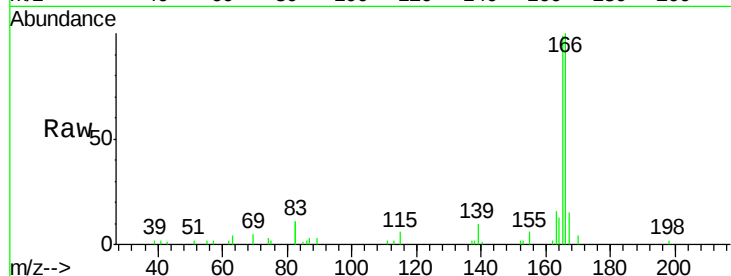
#59
Fluorene
Concen: 4.04 ng/ul
RT: 15.37 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampleId :
BC9C7

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31441		
165	99.0	78.5	117.7	
167	14.9	10.7	16.1	

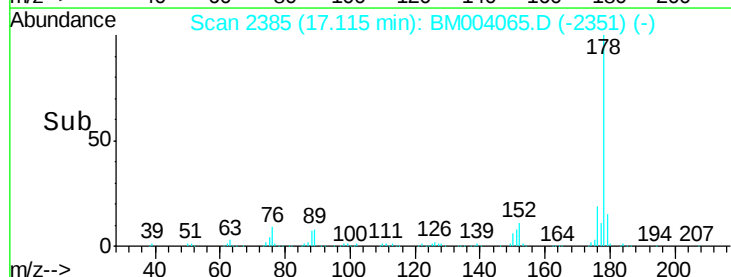
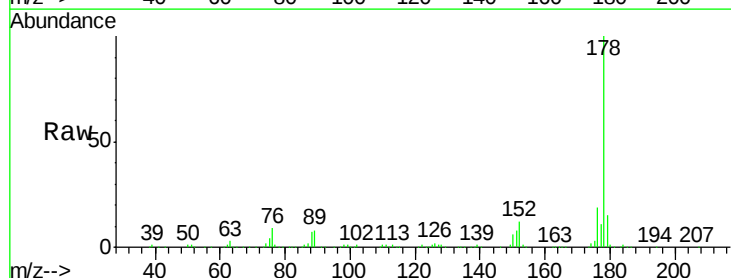
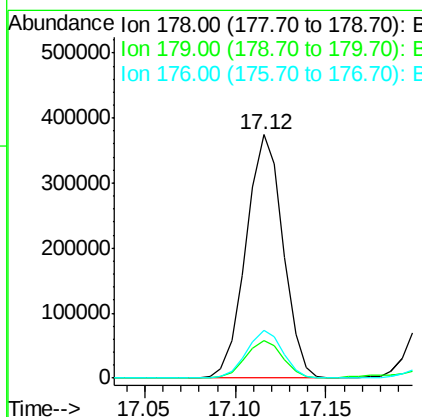
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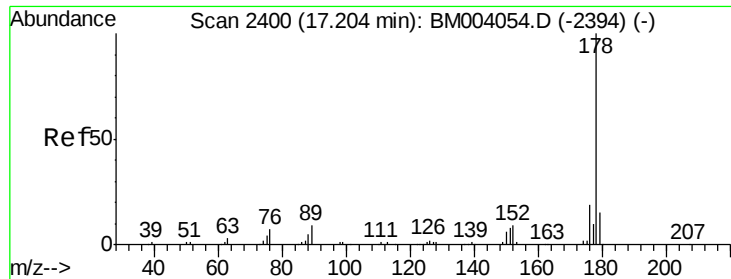
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#70
Phenanthrene
Concen: 41.89 ng/ul
RT: 17.12 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	530407		
179	15.2	12.2	18.4	
176	19.5	15.6	23.4	





#72

Anthracene

Concen: 10.69 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

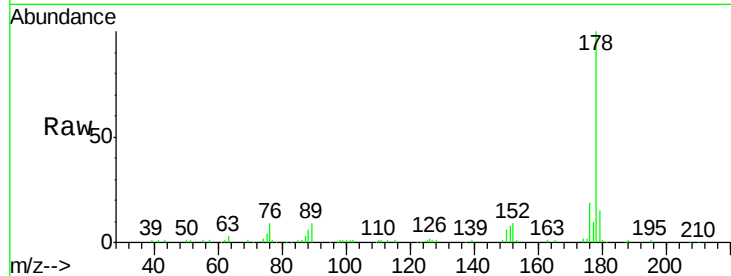
ClientSampled :

BC9C7

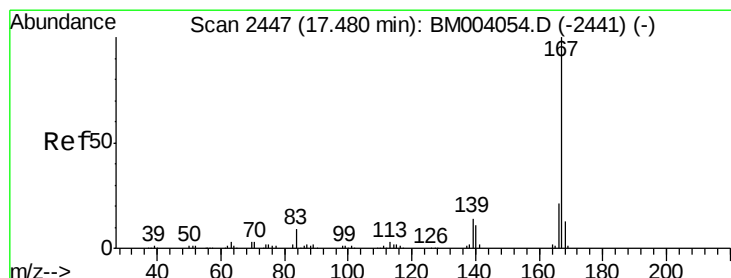
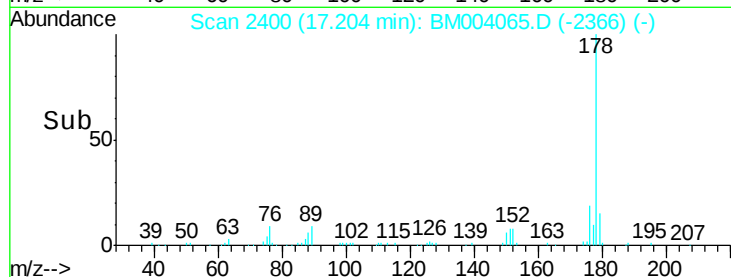
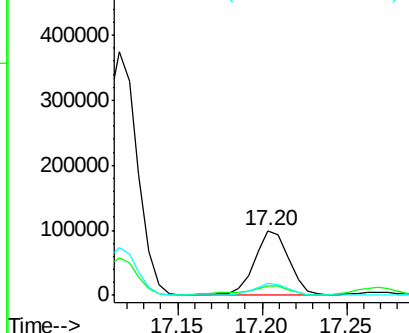
Tgt Ion:	178	Resp:	138903
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.1	18.1
176	18.6	14.8	22.2

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 5.26 ng/ul

RT: 17.48 min Scan# 2447

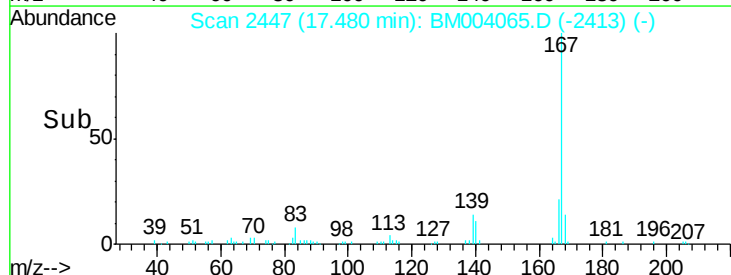
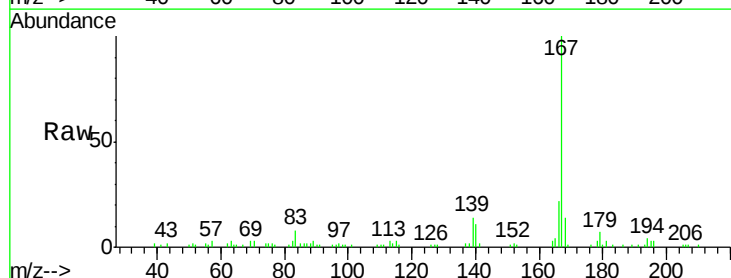
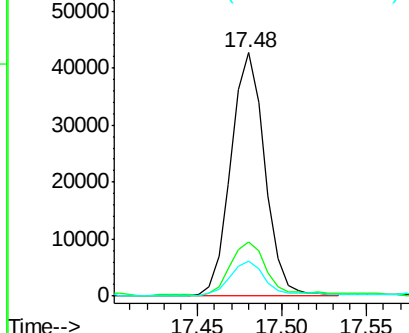
Delta R.T. 0.00 min

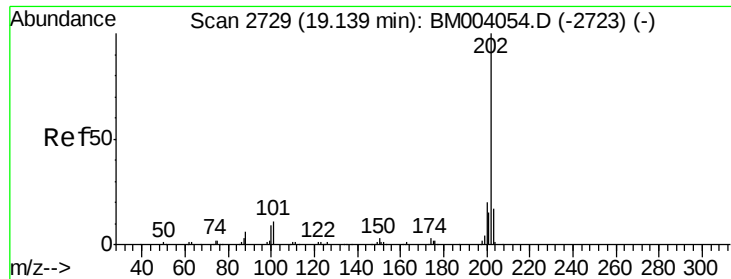
Lab File: BM004065.D

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Tgt Ion:	167	Resp:	60038
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.0	25.6
139	14.2	11.0	16.4

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 73.25 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

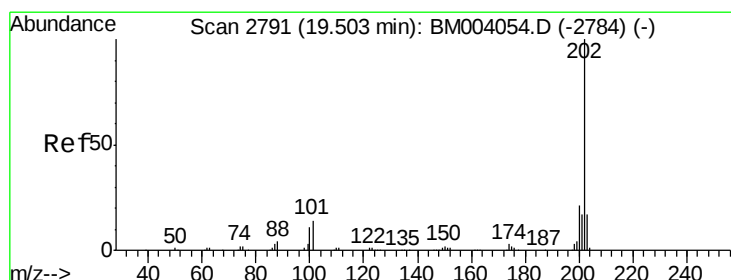
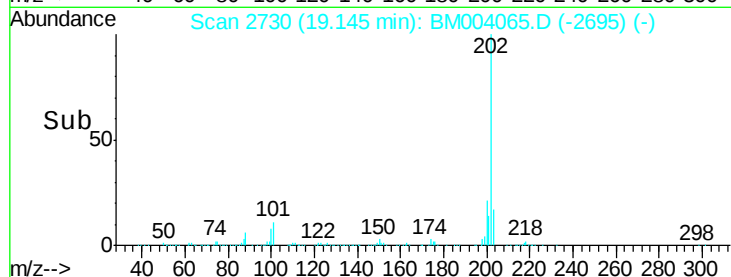
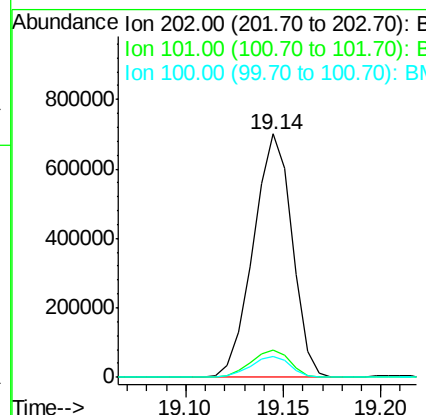
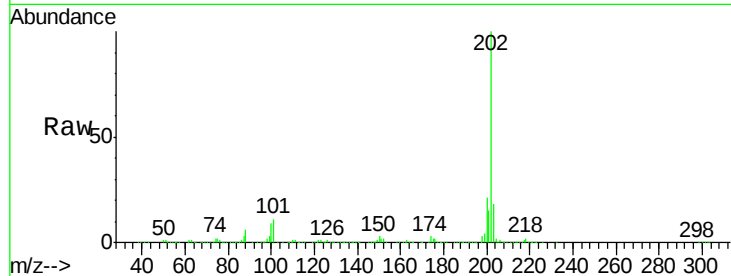
ClientSampleId :

BC9C7

Tgt	Ion	202	Resp:	963860
Ion	Ratio	Lower	Upper	
202	100			
101	11.4	8.8	13.2	
100	8.6	6.6	9.8	

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#80

Pyrene

Concen: 75.31 ng/ul

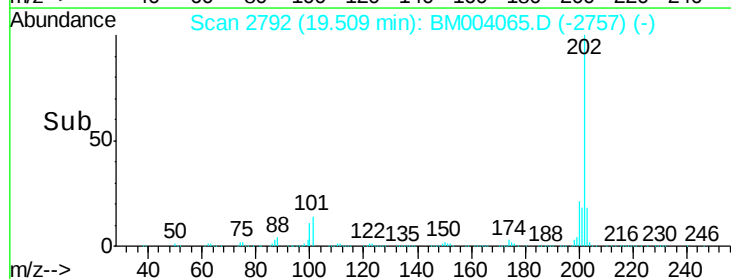
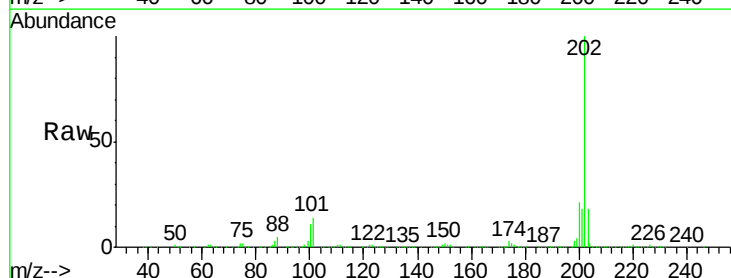
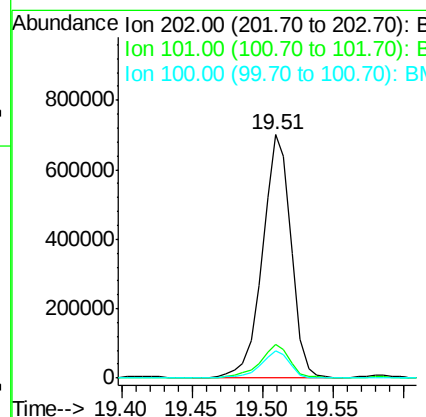
RT: 19.51 min Scan# 2792

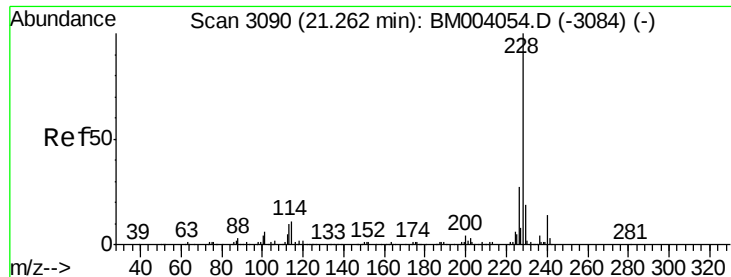
Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Tgt	Ion	202	Resp:	993219
Ion	Ratio	Lower	Upper	
202	100			
101	13.7	10.2	15.2	
100	11.2	8.5	12.7	





#83

Benzo(a)anthracene

Concen: 40.02 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

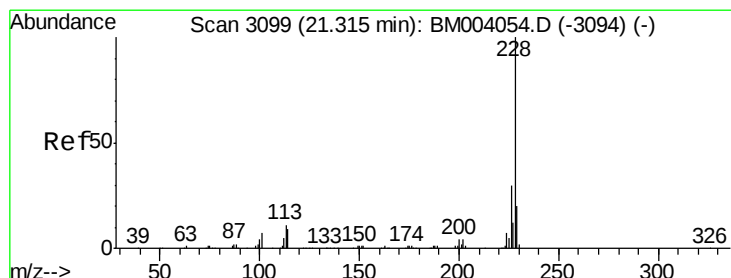
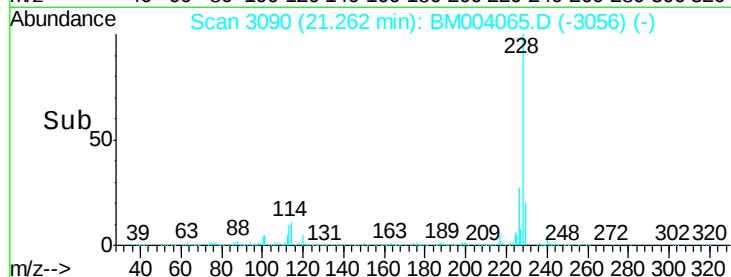
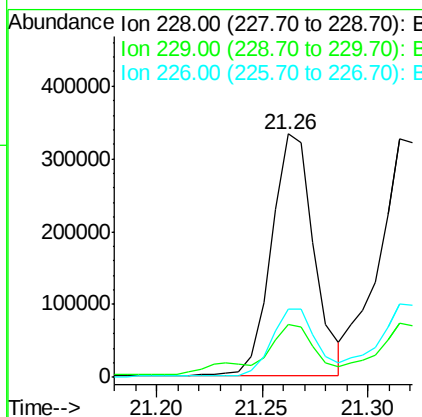
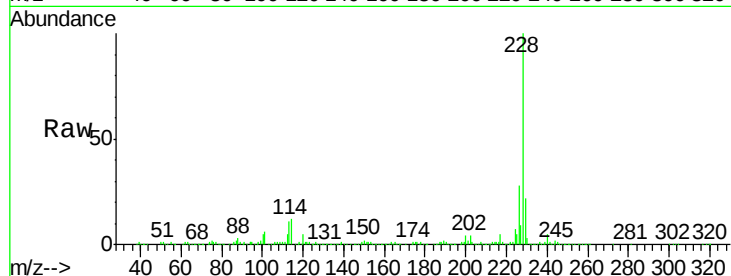
ClientSampleId :

BC9C7

Tgt Ion:	228	Resp:	462984
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.7	23.5
226	28.0	21.8	32.6

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#85

Chrysene

Concen: 44.77 ng/ul

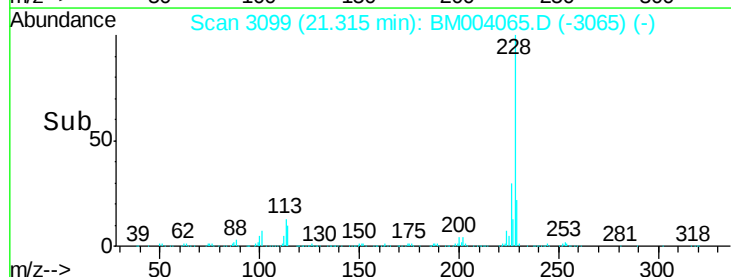
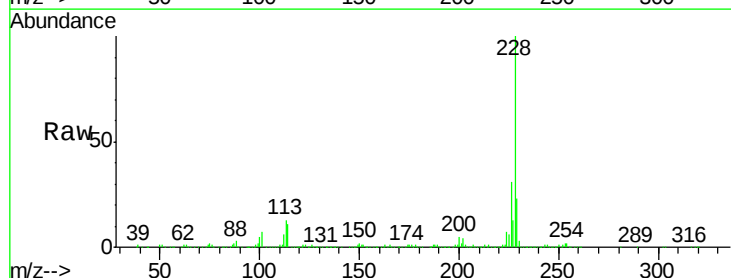
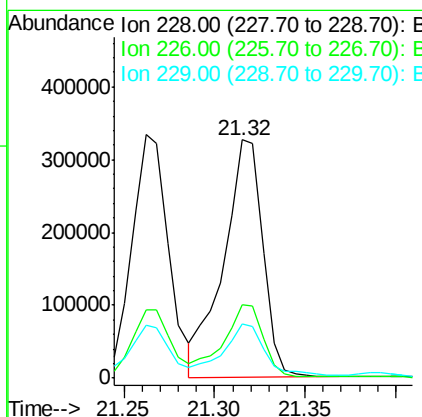
RT: 21.32 min Scan# 3099

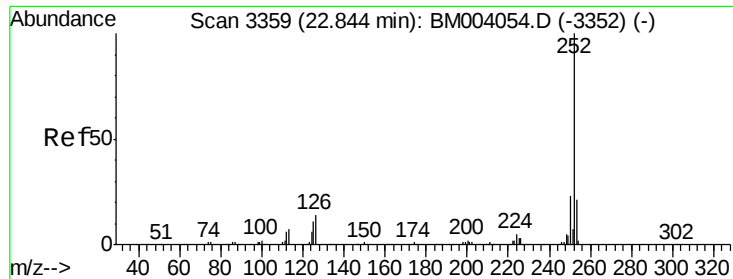
Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Tgt Ion:	228	Resp:	492167
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.0	36.0
229	22.5	15.6	23.4





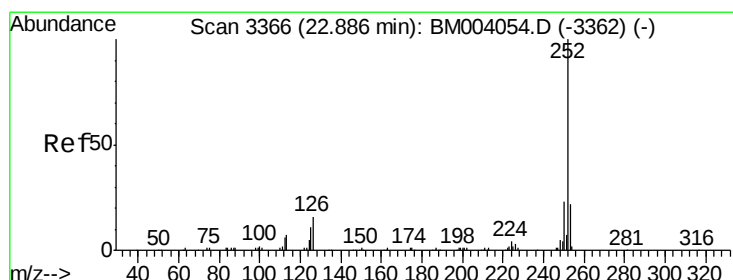
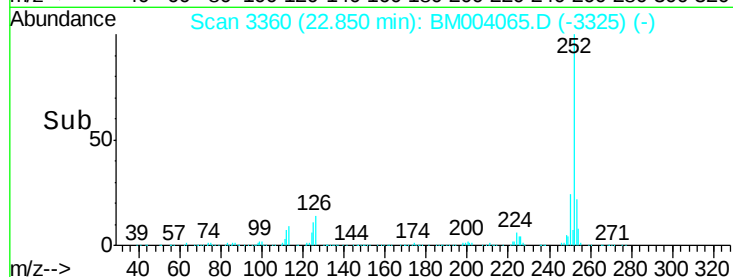
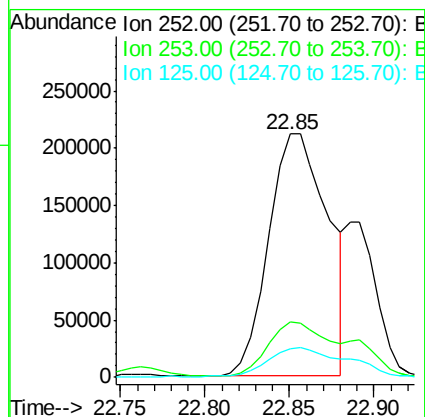
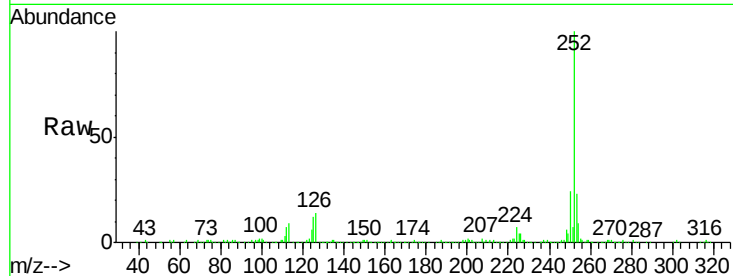
#88
Benzo(b)fluoranthene
Concen: 47.64 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampleId :
BC9C7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.8	8.5	12.7

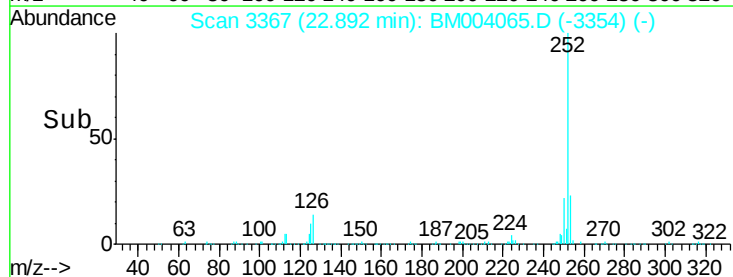
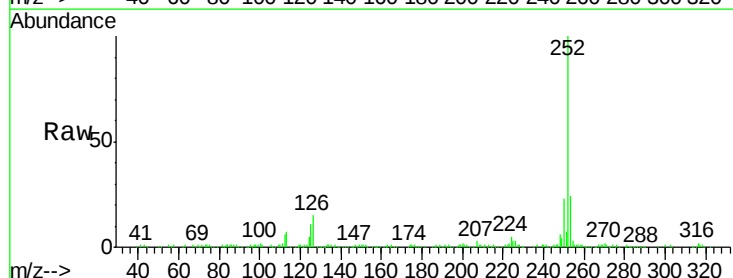
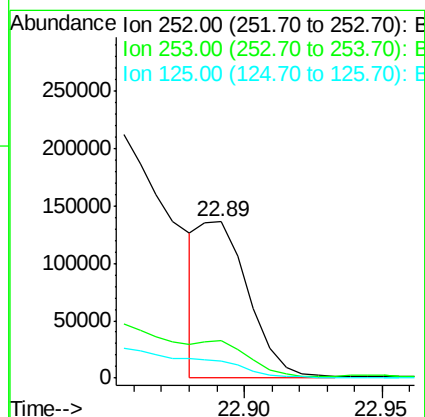
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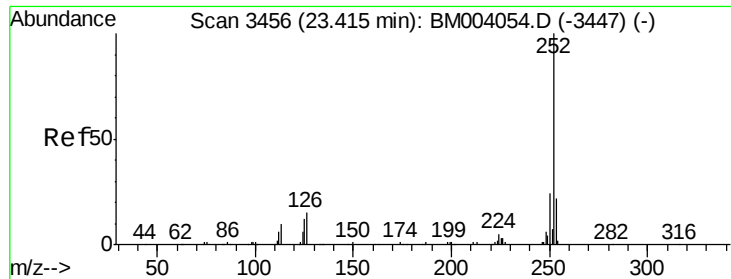
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#89
Benzo(k)fluoranthene
Concen: 16.47 ng/u1 m
RT: 22.89 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.2	8.2	12.2





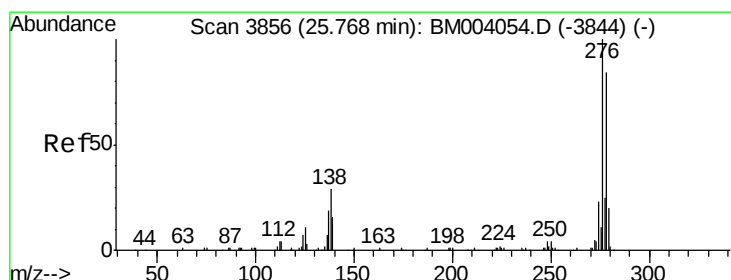
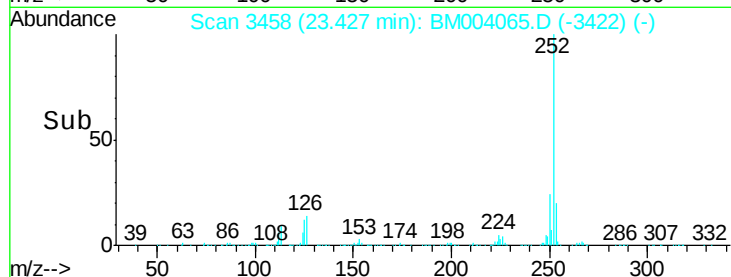
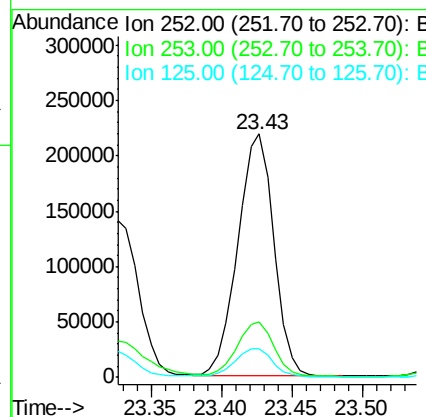
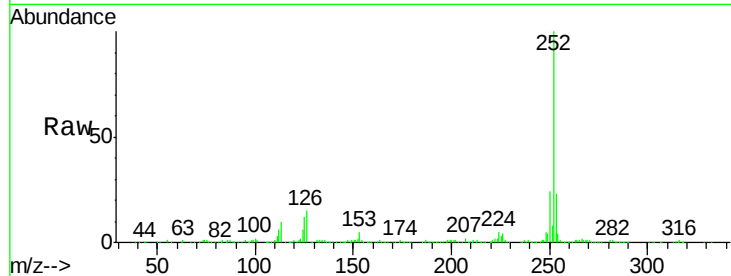
#91
Benzo(a)pyrene
Concen: 38.06 ng/u1
RT: 23.43 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampled :
BC9C7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.9	9.0	13.6

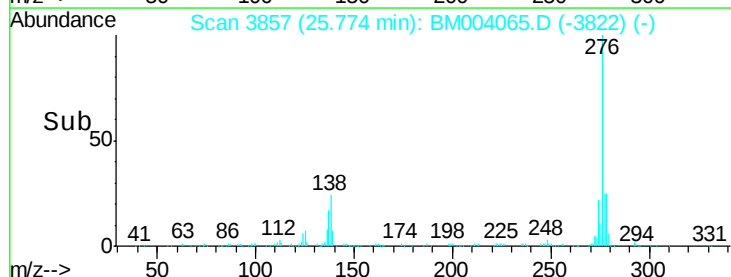
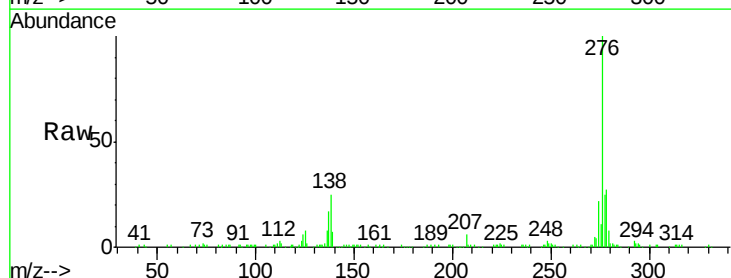
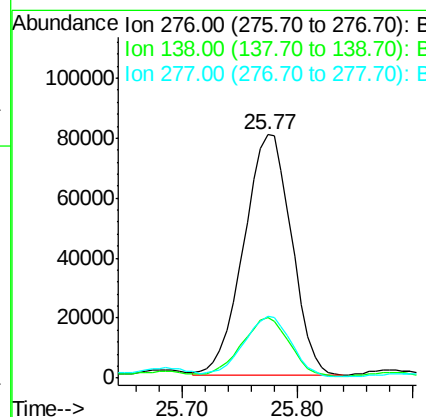
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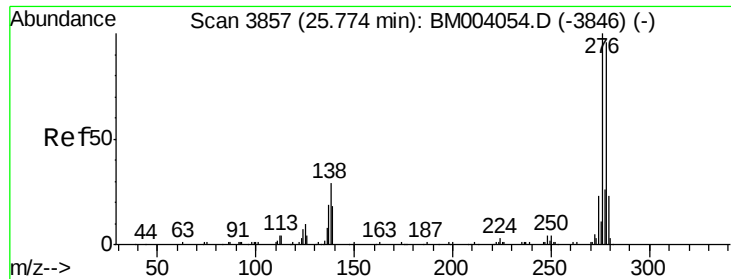
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#92
Indeno(1,2,3-cd)pyrene
Concen: 20.28 ng/u1
RT: 25.77 min Scan# 3857
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.3	33.5
277	25.3	20.2	30.2





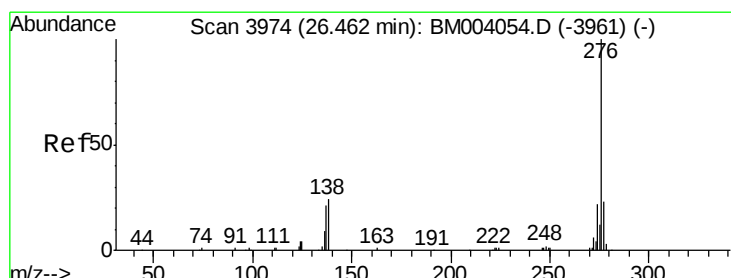
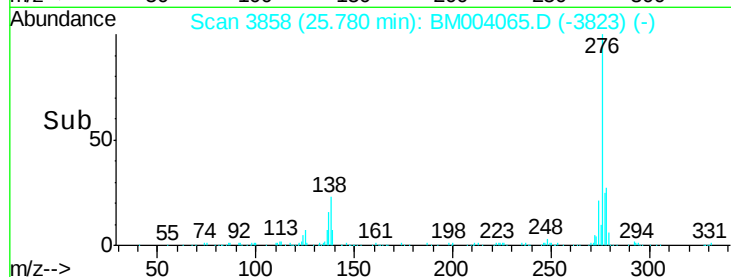
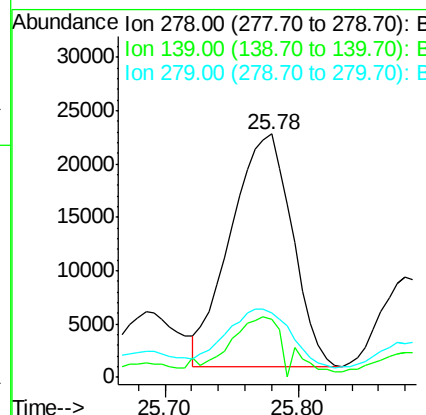
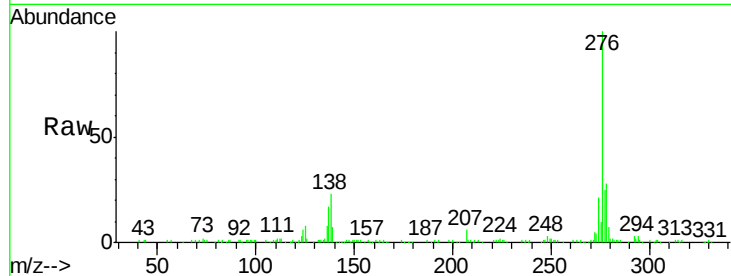
#93
Dibenzo(a,h)anthracene
Concen: 7.31 ng/ul
RT: 25.78 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampleId :
BC9C7

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	13.9	20.9#
279	26.3	19.0	28.4

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 19.68 ng/ul
RT: 26.47 min Scan# 3975
Delta R.T. 0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.9	28.3
277	24.6	19.2	28.8

