

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
 Data File : BM001865.D
 Acq On : 07 Jul 2015 13:24
 Operator : TP/UM
 Sample : G2861-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L1

Manual Integrations
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Quant Time: Jul 08 04:14:28 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 02:11:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	66938	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	256758	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	145848	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	319299	20.00	ng/ul	0.01
77) Chrysene-d12	21.27	240	378282	20.00	ng/ul	0.02
85) Perylene-d12	23.51	264	395277	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1827	1.30	ng/uL	0.00
5) Phenol-d5	6.84	99	40645	7.91	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.00	67	23383	8.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	34326	8.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	31940	7.74	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	15995	9.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	17053	8.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	35333	8.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	23257	5.50	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	95069	8.79	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	122113	8.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	14306	7.17	ng/ul	0.01
57) Fluorene-d10	15.32	176	89563	8.92	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.45	200	3620	1.86	ng/ul	0.01
70) Anthracene-d10	17.17	188	135746	9.13	ng/ul	0.01
78) Pyrene-d10	19.47	212	152927	9.54	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.37	264	157882	9.06	ng/ul	0.04

Target Compounds

						Qvalue
6) Phenol	6.86	94	7357	1.39	ng/ul	93
14) Acetophenone	8.49	105	18783	2.87	ng/ul	97
16) 4-Methylphenol	8.44	108	9969	2.34	ng/ul	83
28) Naphthalene	10.51	128	1227942	94.72	ng/ul	98
34) 2-Methylnaphthalene	12.13	142	356210	37.99	ng/ul	96
40) 1,1'-Biphenyl	13.15	154	119558	10.04	ng/ul	99
44) Dimethylphthalate	13.78	163	45003	3.81	ng/ul	99
47) Acenaphthylene	14.04	152	501225	34.67	ng/ul	98
49) Acenaphthene	14.39	153	145662	15.08	ng/ul	99
53) Dibenzofuran	14.73	168	575223	41.59	ng/ul	98
58) Fluorene	15.37	166	585332	50.84	ng/ul	100
69) Phenanthrene	17.13	178	4129270	238.50	ng/ul	99
71) Anthracene	17.21	178	856150	48.16	ng/ul	99
74) Carbazole	17.48	167	324968	20.84	ng/ul	98
76) Fluoranthene	19.14	202	3841122	185.49	ng/ul	98
79) Pyrene	19.51	202	3410954	162.53	ng/ul	97
82) Benzo(a)anthracene	21.26	228	1346257	60.91	ng/ul	94
84) Chrysene	21.31	228	1151273	54.95	ng/ul	97
87) Benzo(b)fluoranthene	22.84	252	1674022	72.75	ng/ul	99
88) Benzo(k)fluoranthene	22.88	252	528073m	23.75	ng/ul	
90) Benzo(a)pyrene	23.41	252	1388743	62.04	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.77	276	1020584	38.45	ng/ul	97
92) Dibenzo(a,h)anthracene	25.77	278	202483	9.04	ng/ul#	85

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 08 02:11:29 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.47	276	956801	42.87	ng/ul	99

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

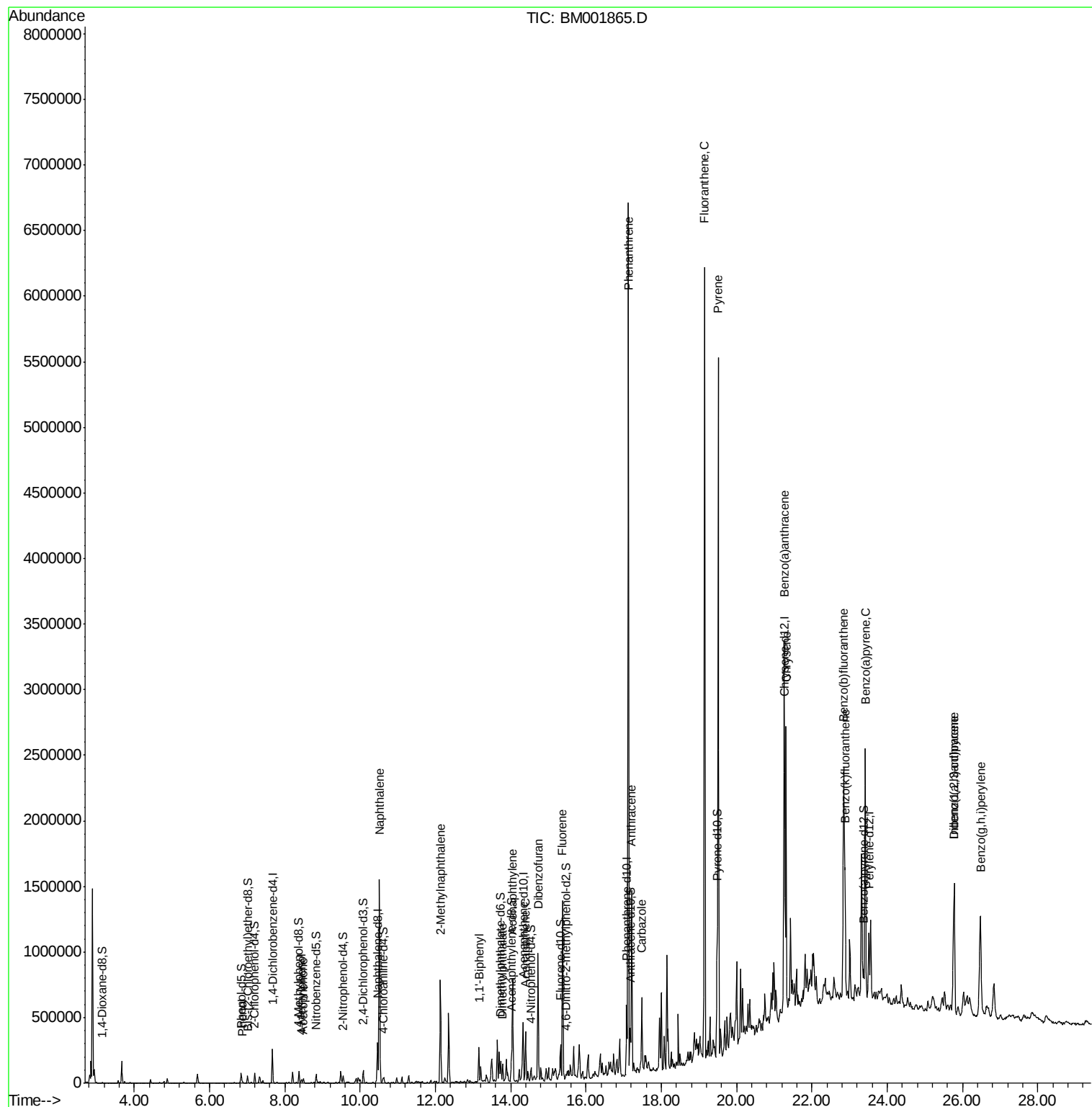
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001865.D
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Sample : G2861-05
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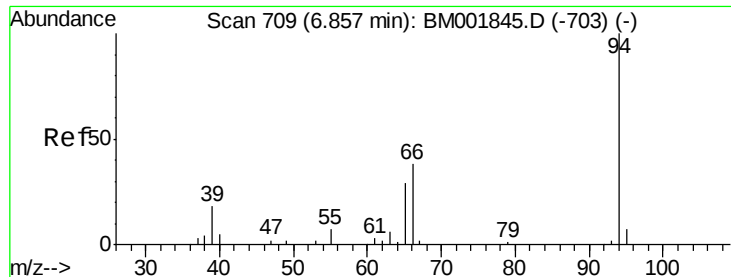
Instrument :
BNA_M
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G93L1

Quant Time: Jul 08 04:14:28 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
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#6

Phenol

Concen: 1.39 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

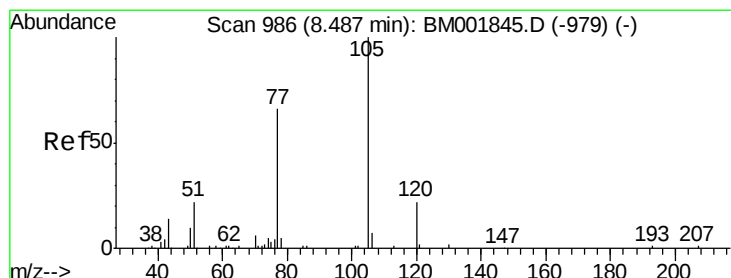
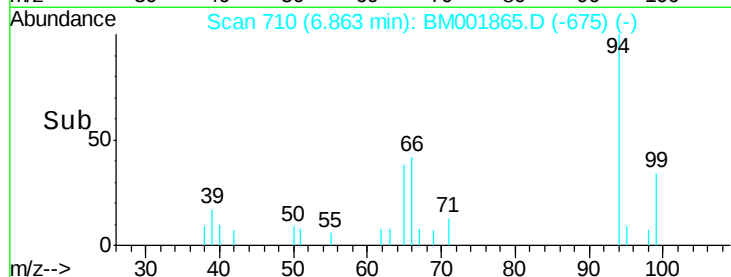
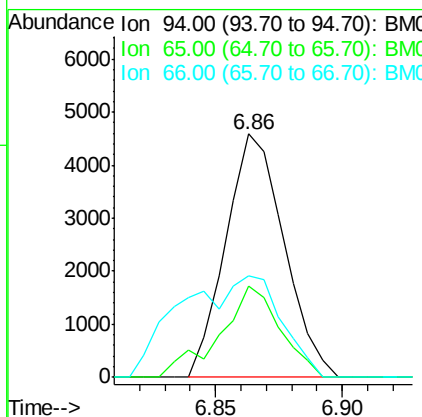
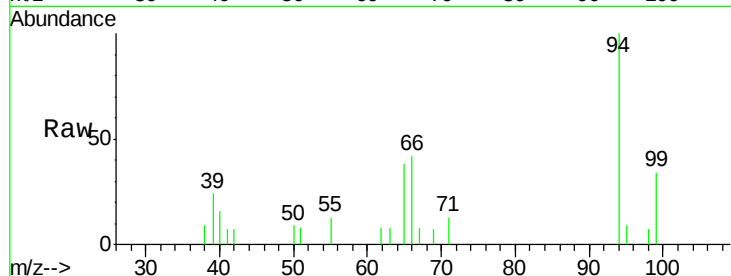
ClientSampleId :

G93L1

Tgt Ion:	94	Resp:	7357
Ion	Ratio	Lower	Upper
94	100		
65	37.6	26.1	39.1
66	41.7	35.9	53.9

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#14

Acetophenone

Concen: 2.87 ng/ul

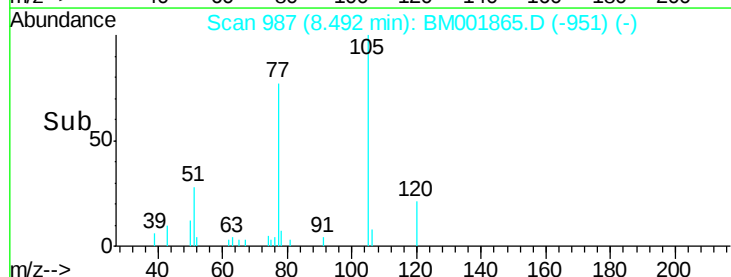
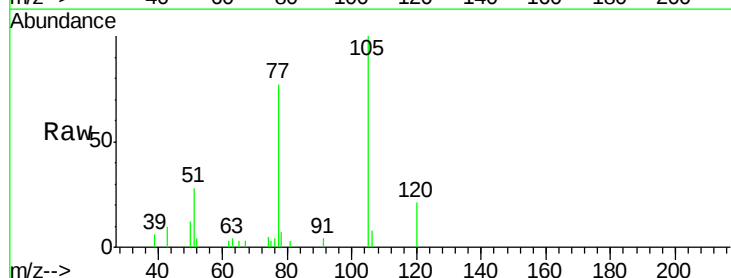
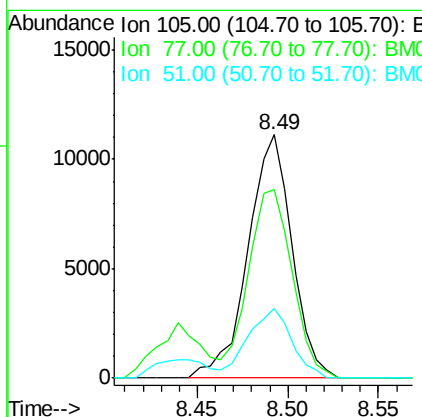
RT: 8.49 min Scan# 987

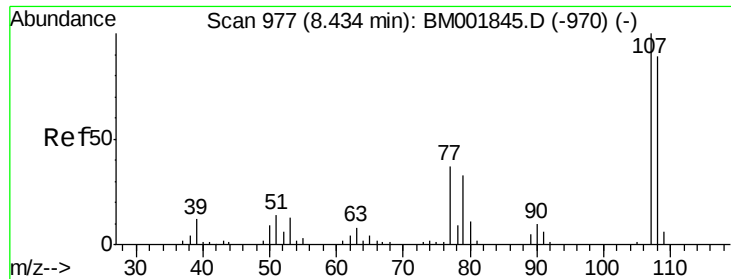
Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Tgt Ion:	105	Resp:	18783
Ion	Ratio	Lower	Upper
105	100		
77	77.2	64.2	96.4
51	28.4	22.0	33.0





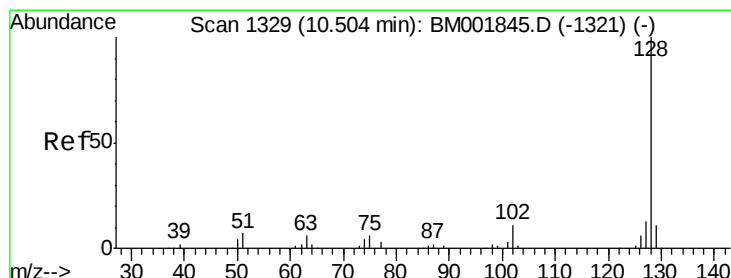
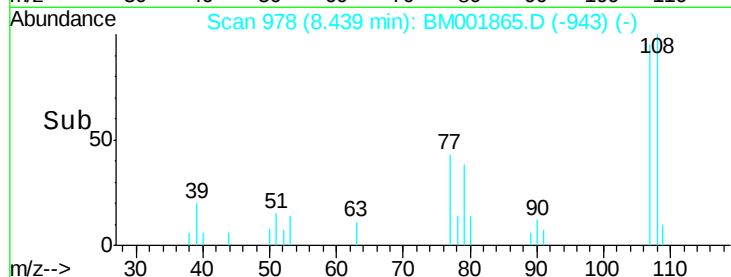
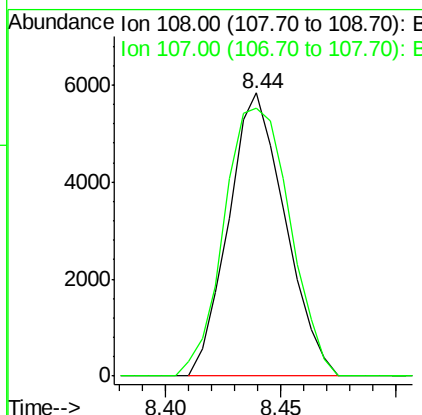
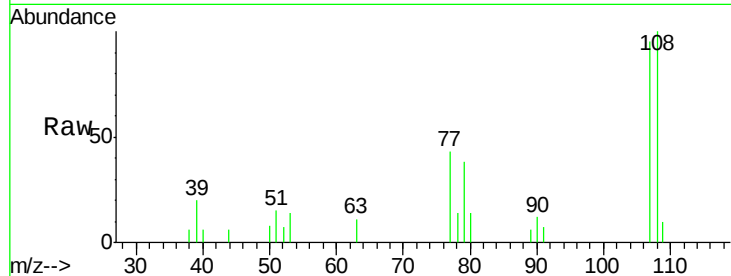
#16
4-Methylphenol
Concen: 2.34 ng/ul
RT: 8.44 min Scan# 978
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampleId :
G93L1

Tgt Ion	Ratio	Lower	Upper
108	100		
107	94.7	89.9	134.9

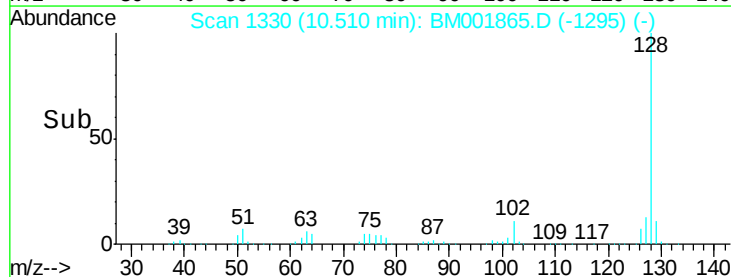
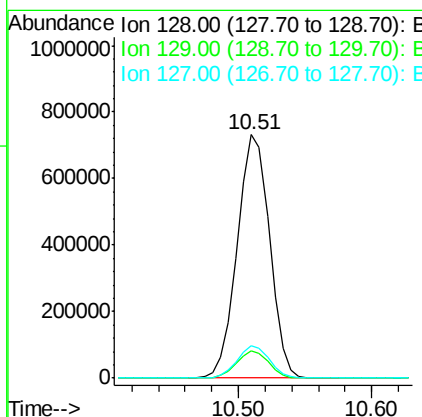
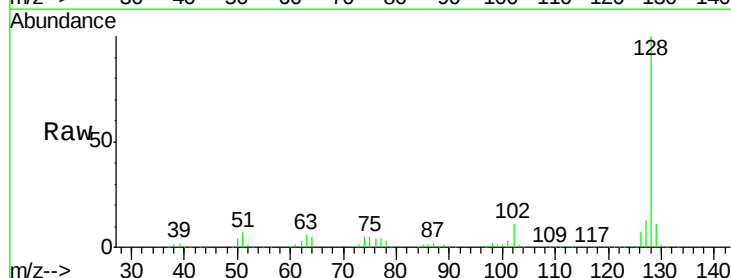
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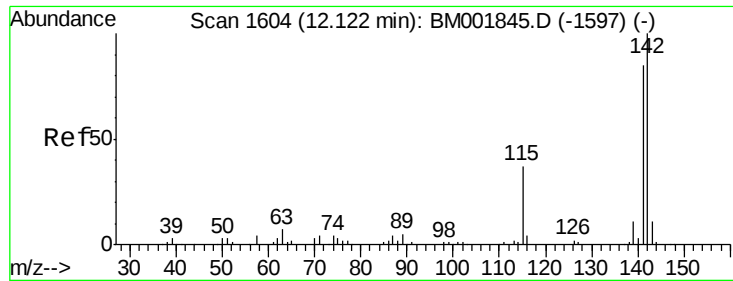
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#28
Naphthalene
Concen: 94.72 ng/ul
RT: 10.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.5	10.0	15.0





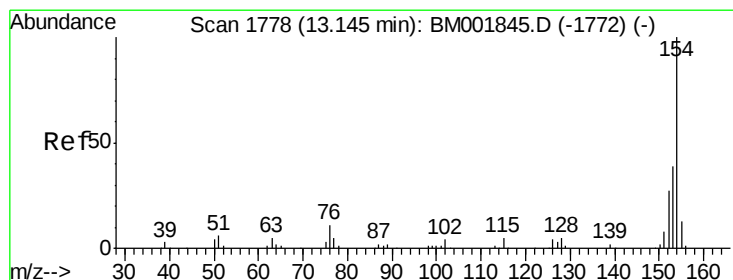
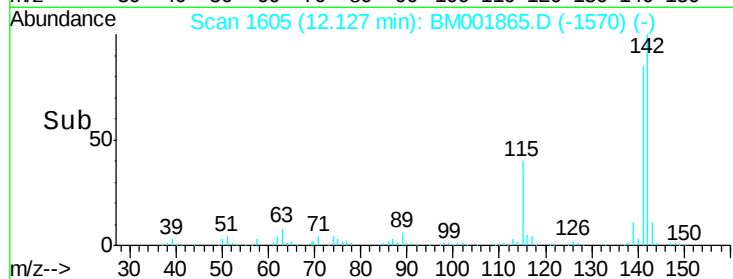
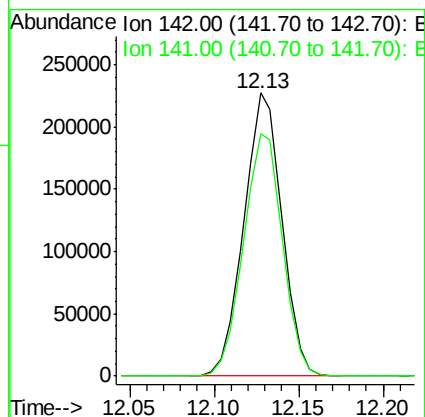
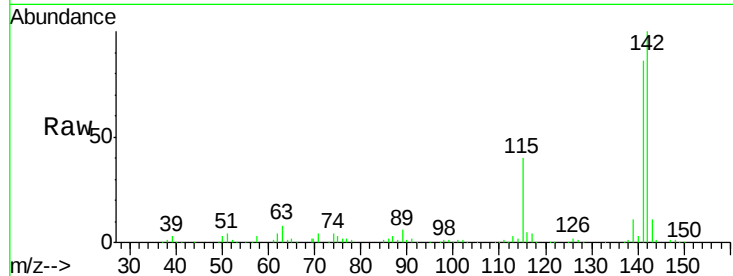
#34
 2-Methylnaphthalene
 Concen: 37.99 ng/ul
 RT: 12.13 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Instrument :
 BNA_M
 ClientSampled :
 G93L1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	71.6	107.4

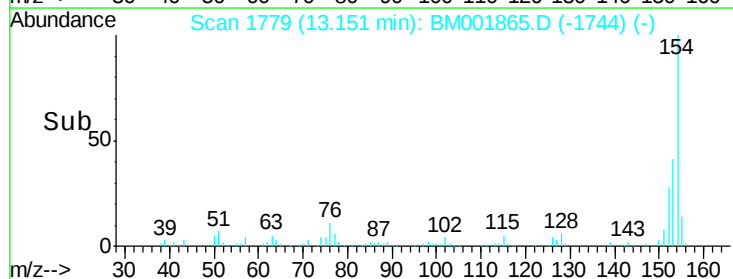
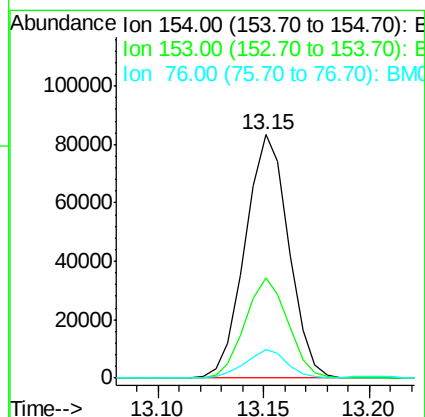
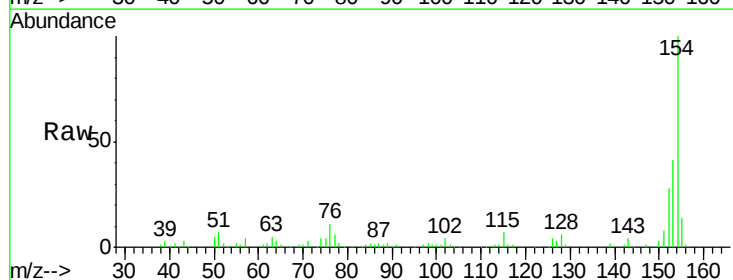
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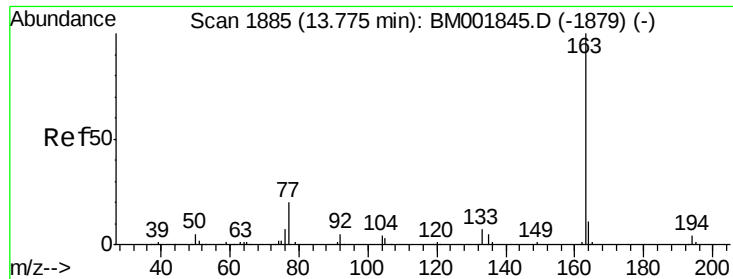
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#40
 1,1'-Biphenyl
 Concen: 10.04 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.5	48.7
76	11.5	9.0	13.6





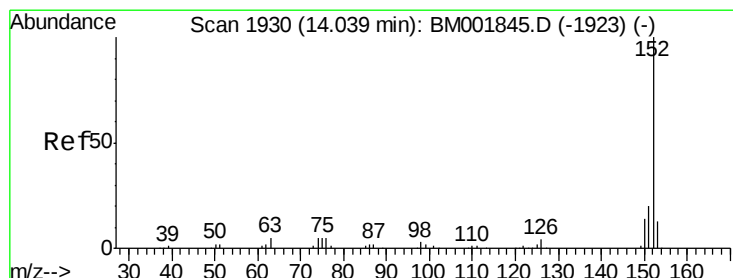
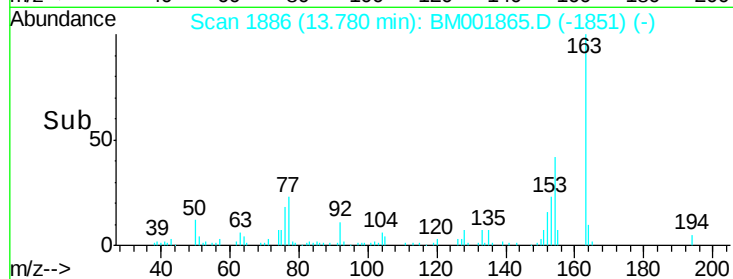
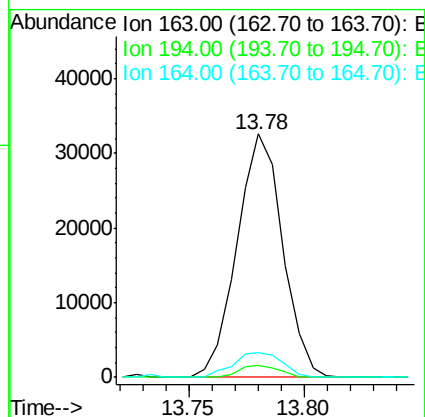
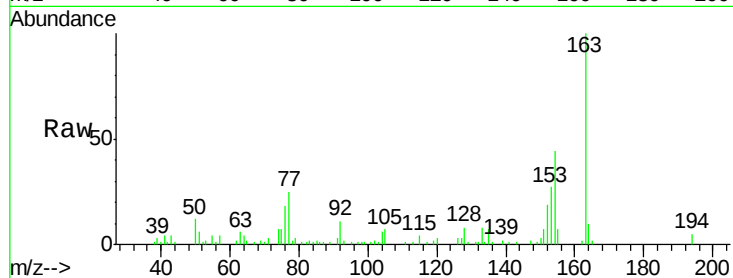
#44
Dimethylphthalate
Concen: 3.81 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampleId :
G93L1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	45003		
194	5.0	3.6	5.4	
164	10.2	8.0	12.0	

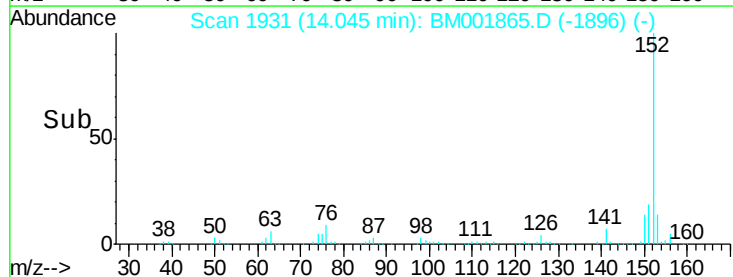
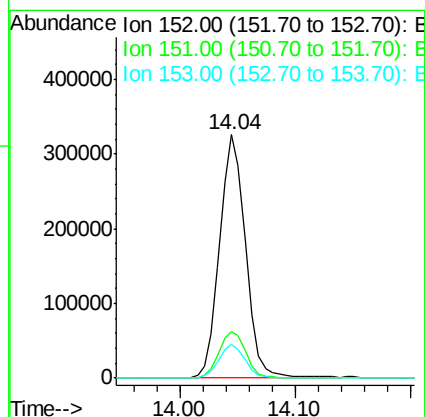
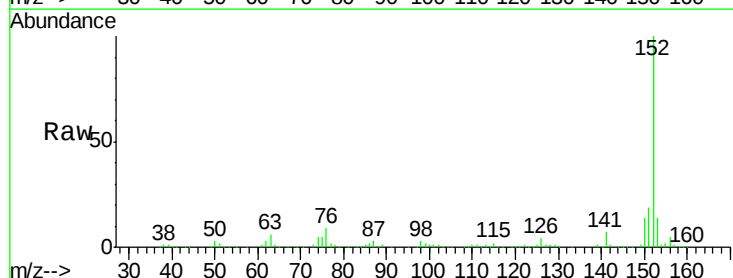
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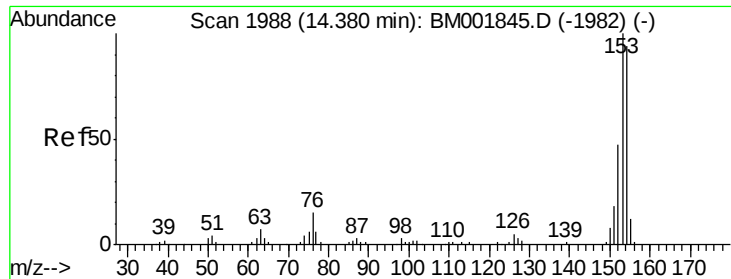
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#47
Acenaphthylene
Concen: 34.67 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	501225		
151	19.2	15.9	23.9	
153	13.8	10.0	15.0	





#49

Acenaphthene

Concen: 15.08 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

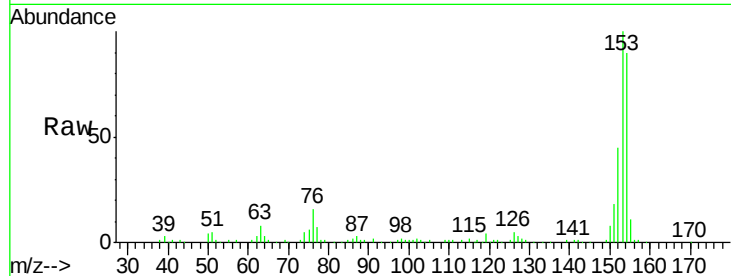
ClientSampleId :

G93L1

Tgt Ion:	153	Resp:	145662
Ion Ratio	Lower	Upper	
153	100		
152	44.7	36.6	55.0
154	89.6	72.6	108.8

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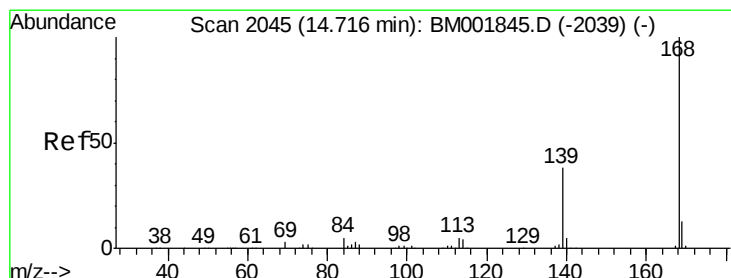
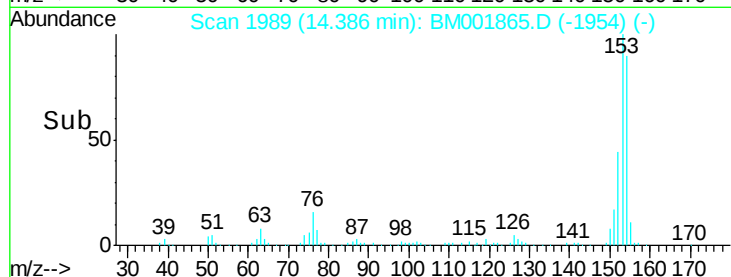
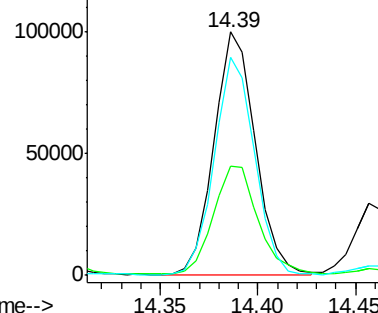
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 41.59 ng/ul

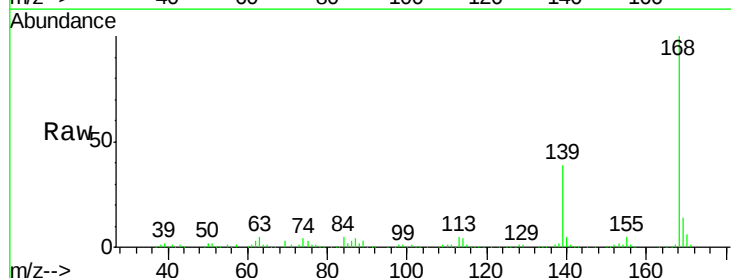
RT: 14.73 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BM001865.D

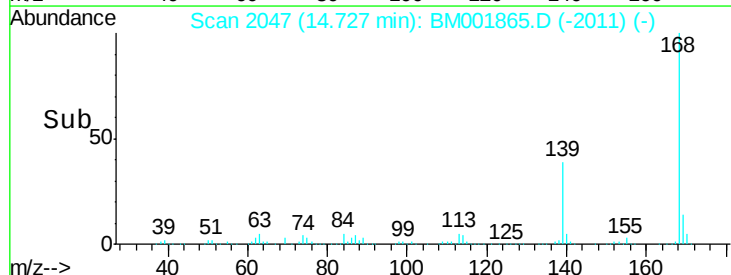
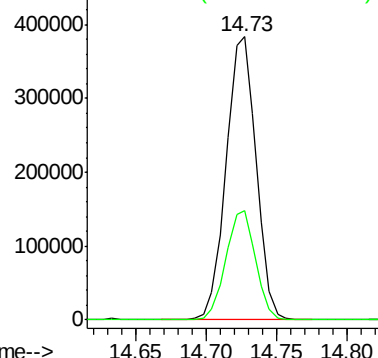
Acq: 07 Jul 2015 13:24

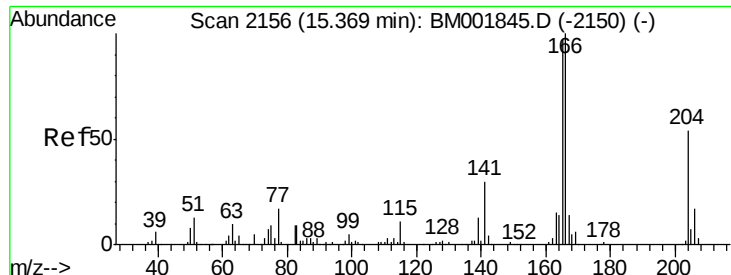
Tgt Ion:	168	Resp:	575223
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.1	45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 50.84 ng/ul

RT: 15.37 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampled :

G93L1

Tgt Ion:166 Resp: 585332

Ion Ratio Lower Upper

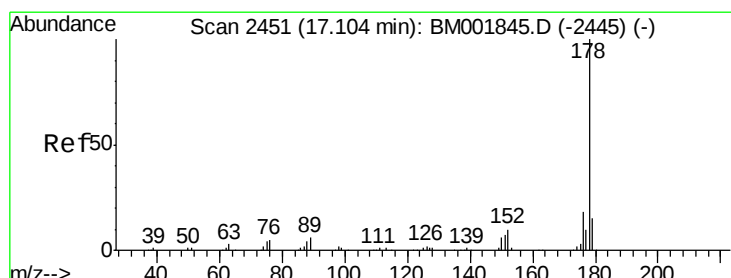
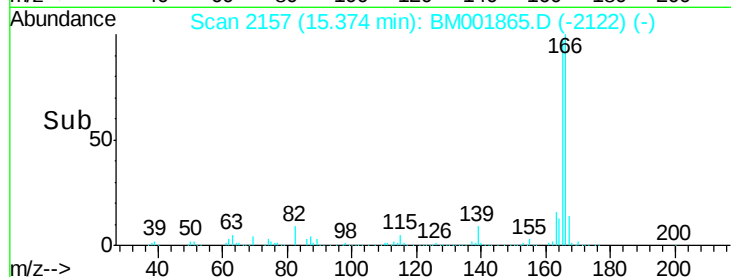
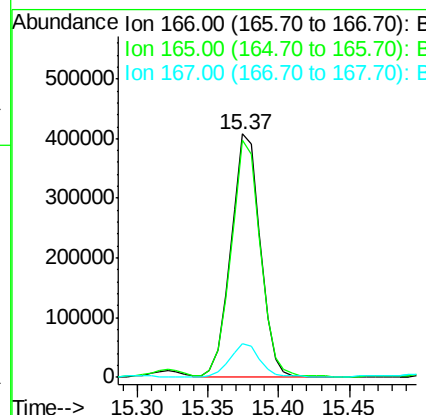
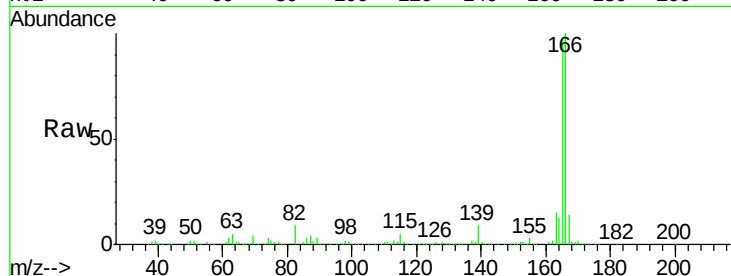
166 100

165 97.2 77.4 116.2

167 13.9 11.3 16.9

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#69

Phenanthrene

Concen: 238.50 ng/ul

RT: 17.13 min Scan# 2455

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

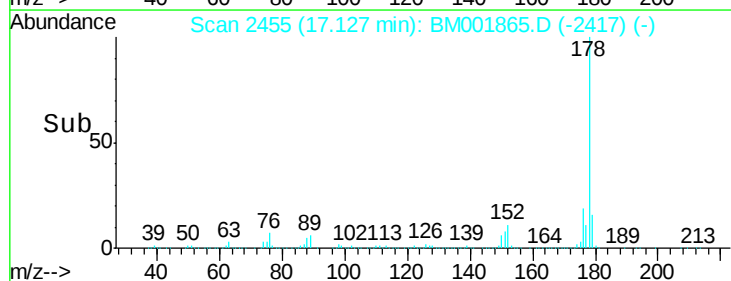
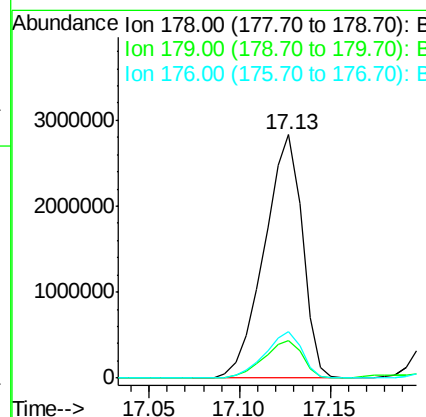
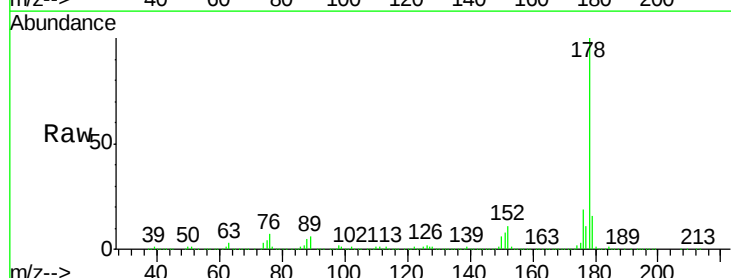
Tgt Ion:178 Resp: 4129270

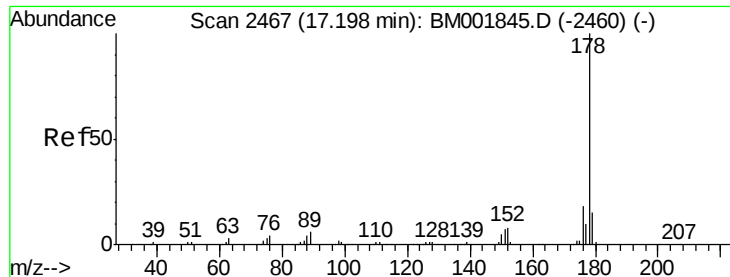
Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

176 19.0 15.2 22.8





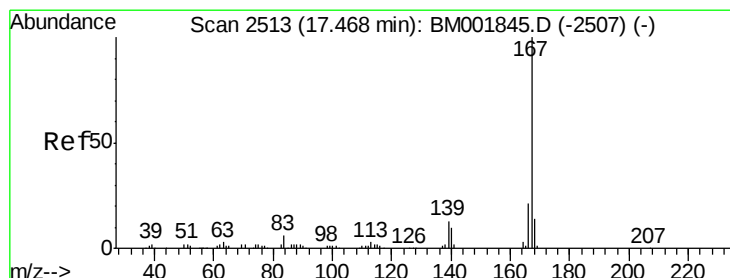
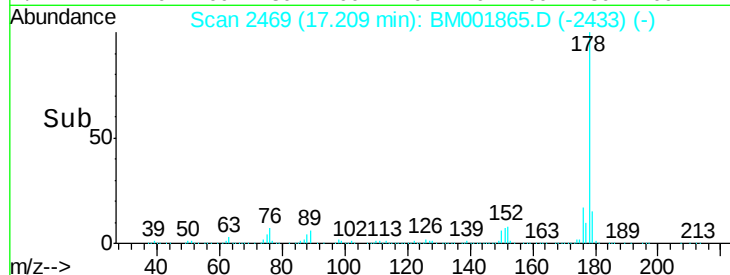
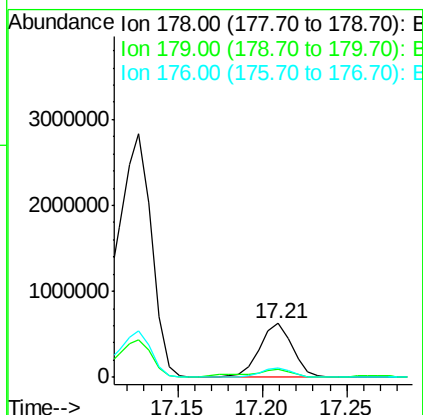
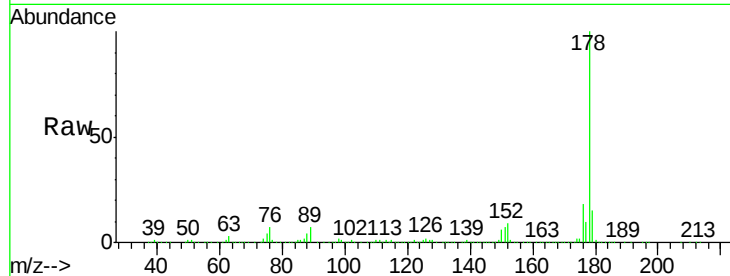
#71
 Anthracene
 Concen: 48.16 ng/ul
 RT: 17.21 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Instrument :
 BNA_M
 ClientSampleId :
 G93L1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	17.5	14.4	21.6

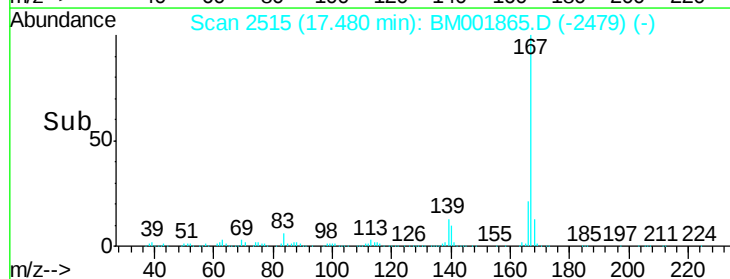
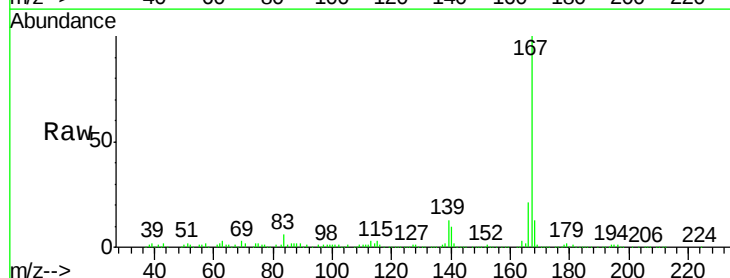
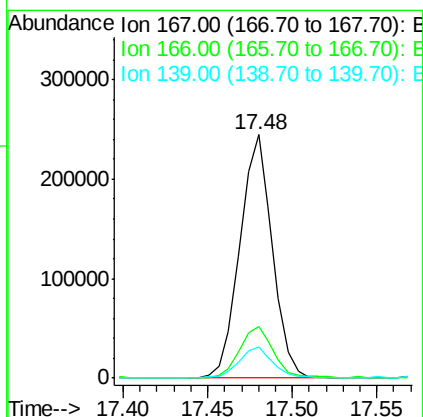
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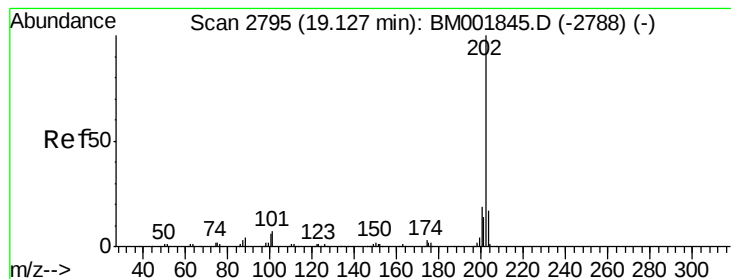
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#74
 Carbazole
 Concen: 20.84 ng/ul
 RT: 17.48 min Scan# 2515
 Delta R.T. 0.01 min
 Lab File: BM001865.D
 Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.4	26.2
139	13.0	10.1	15.1





#76

Fluoranthene

Concen: 185.49 ng/ul

RT: 19.14 min Scan# 2798

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

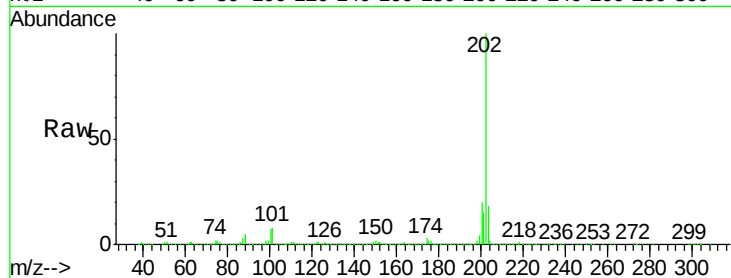
ClientSampleId :

G93L1

Tgt Ion:	202	Resp:	3841122
Ion Ratio	Lower	Upper	
202	100		
101	8.4	6.1	9.1
100	6.8	4.8	7.2

Manual Integrations
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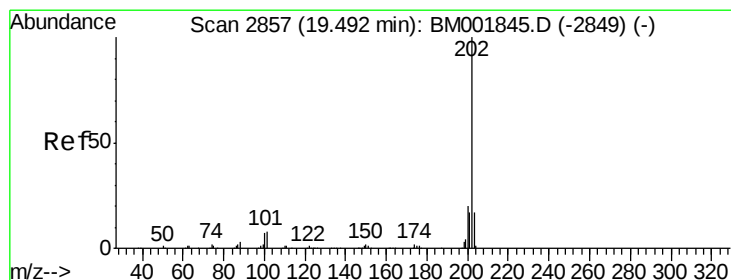
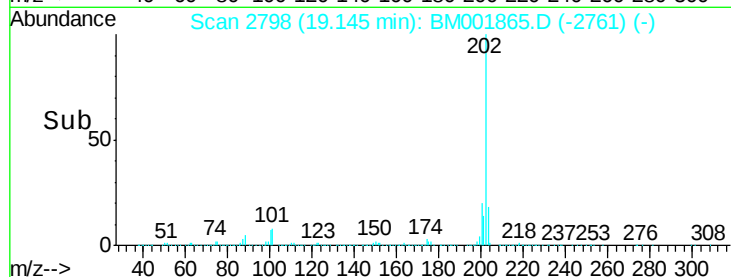
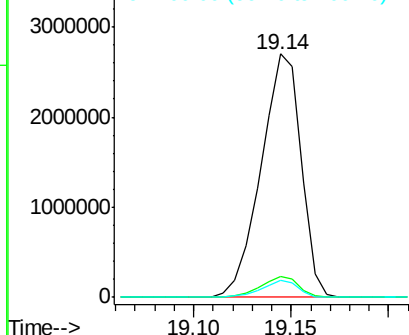
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 162.53 ng/ul

RT: 19.51 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BM001865.D

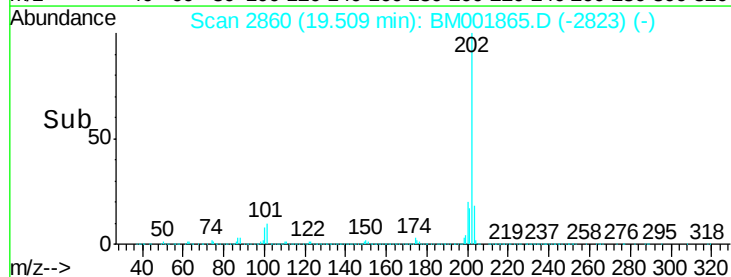
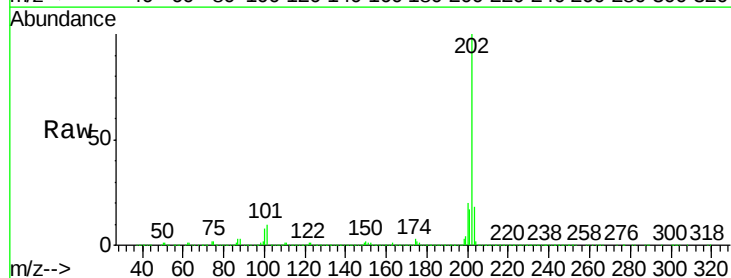
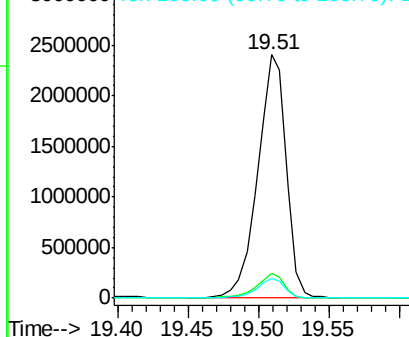
Acq: 07 Jul 2015 13:24

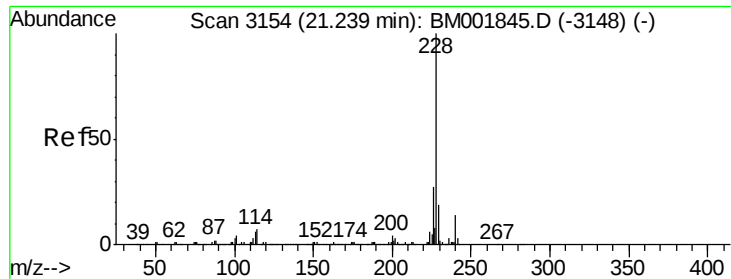
Tgt Ion:	202	Resp:	3410954
Ion Ratio	Lower	Upper	
202	100		
101	9.9	6.9	10.3
100	8.2	6.2	9.2

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 60.91 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

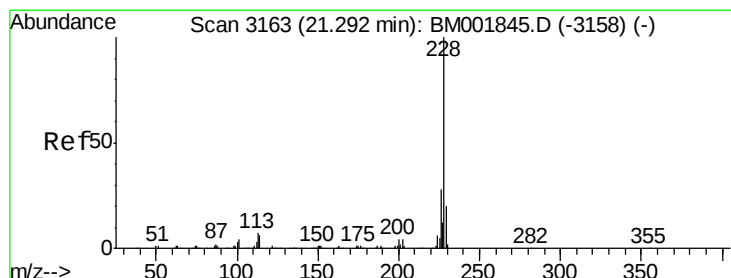
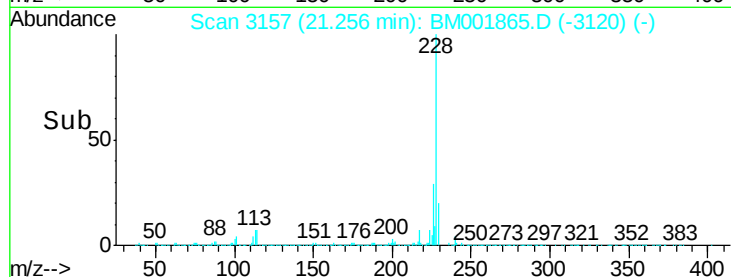
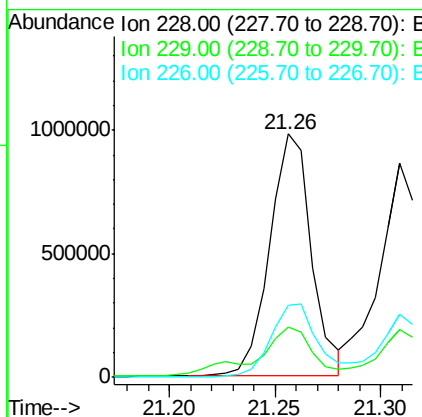
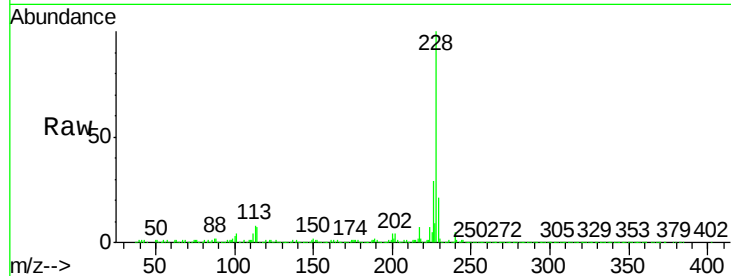
ClientSampleId :

G93L1

Tgt Ion:	228	Resp:	1346257
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.4	23.0
226	29.4	20.6	30.8

Manual Integrations
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#84

Chrysene

Concen: 54.95 ng/ul

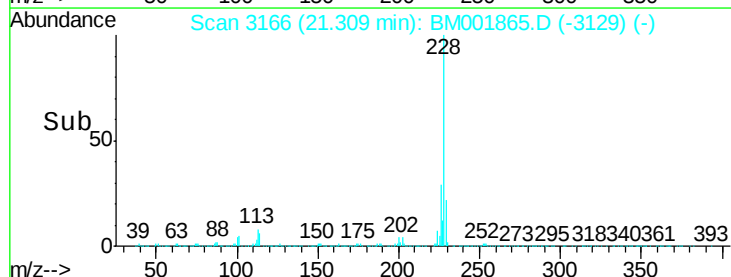
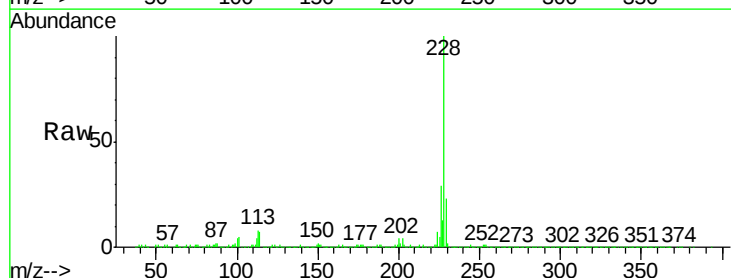
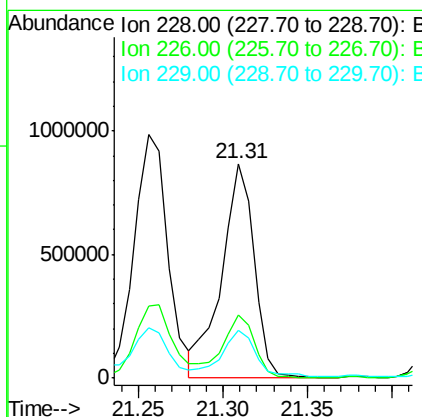
RT: 21.31 min Scan# 3166

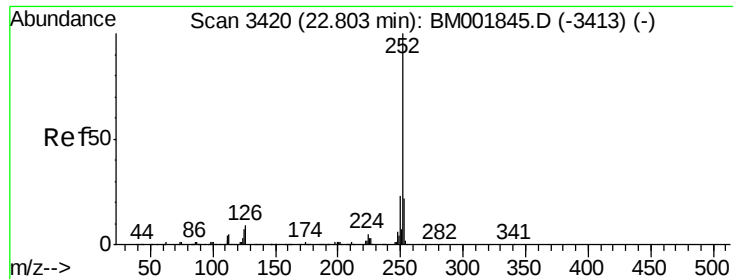
Delta R.T. 0.02 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Tgt Ion:	228	Resp:	1151273
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.0	34.4
229	22.6	15.4	23.2





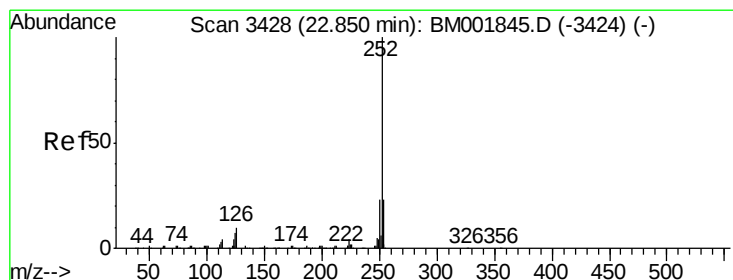
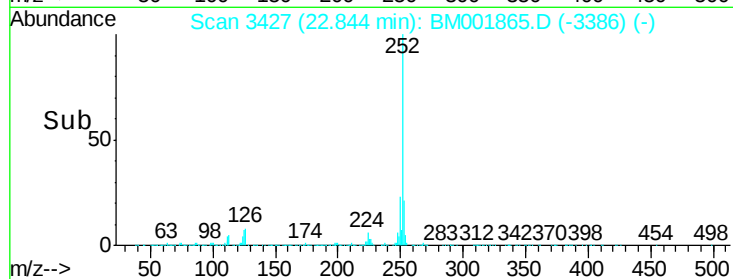
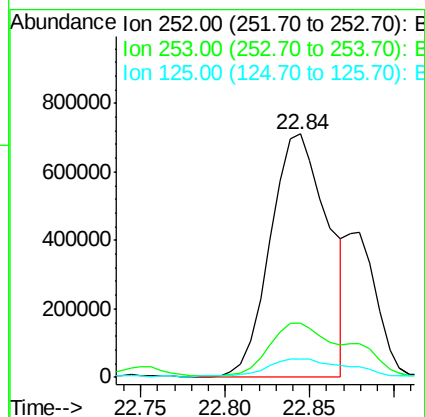
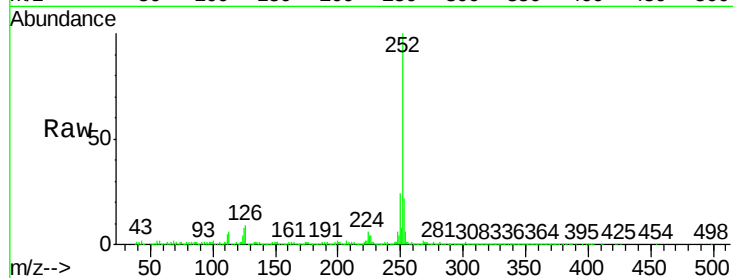
#87
Benzo(b)fluoranthene
Concen: 72.75 ng/ul
RT: 22.84 min Scan# 3427
Delta R.T. 0.04 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampleId :
G93L1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	7.7	5.3	7.9

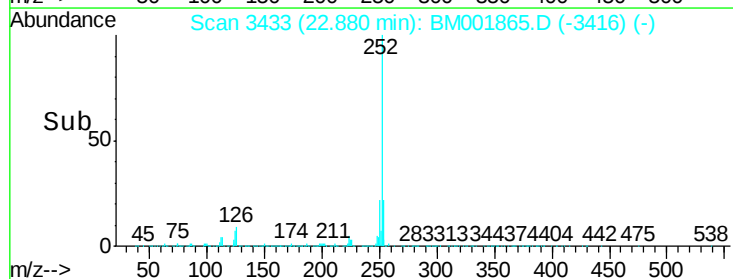
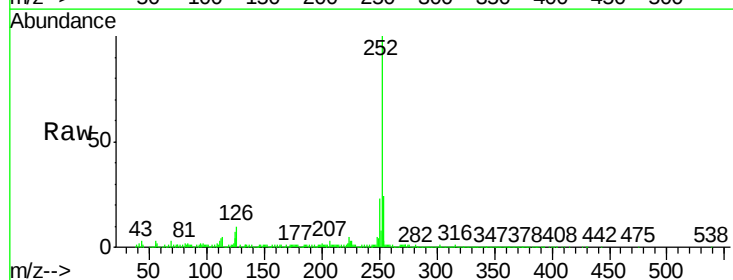
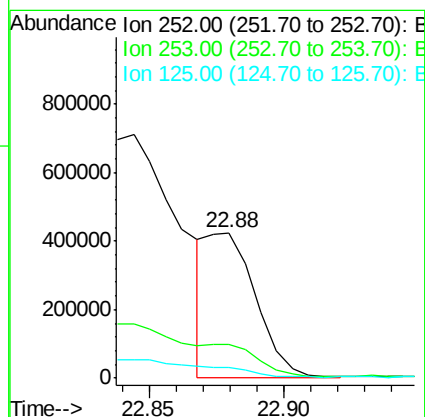
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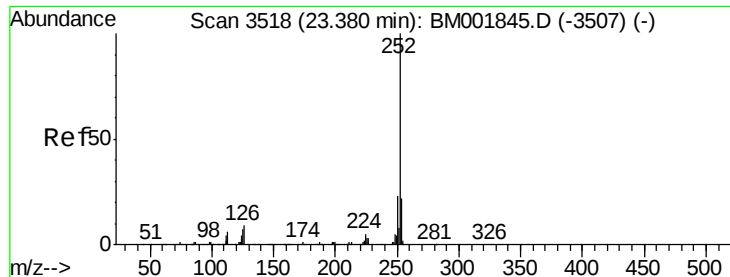
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#88
Benzo(k)fluoranthene
Concen: 23.75 ng/ul m
RT: 22.88 min Scan# 3433
Delta R.T. 0.03 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	7.4	5.3	7.9





#90

Benzo(a)pyrene

Concen: 62.04 ng/ul

RT: 23.41 min Scan# 3524

Delta R.T. 0.04 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

Instrument :

BNA_M

ClientSampleId :

G93L1

Tgt Ion:252 Resp: 1388743

Ion Ratio Lower Upper

252 100

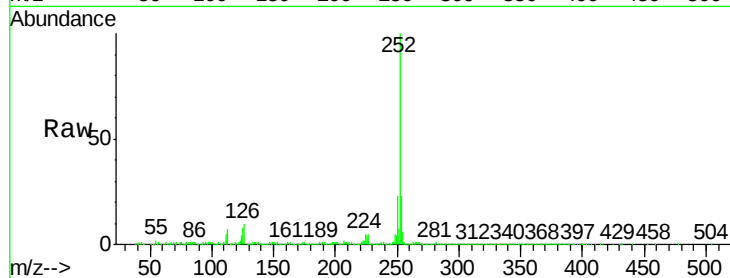
253 22.8 17.4 26.0

125 8.0 6.0 9.0

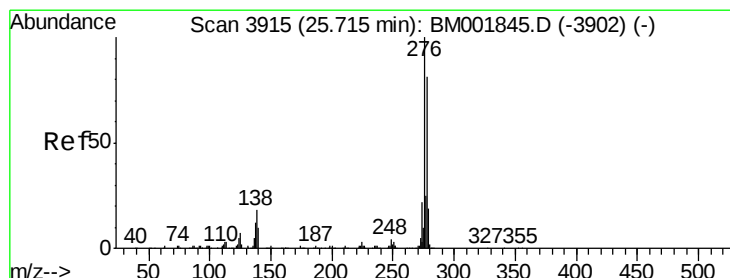
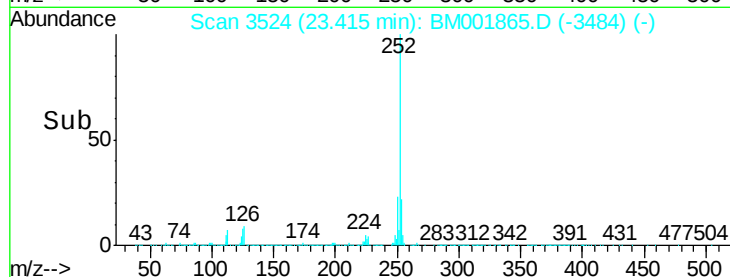
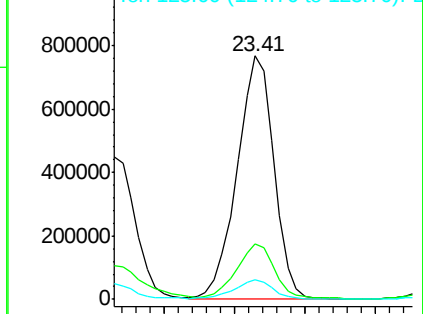
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 38.45 ng/ul

RT: 25.77 min Scan# 3925

Delta R.T. 0.06 min

Lab File: BM001865.D

Acq: 07 Jul 2015 13:24

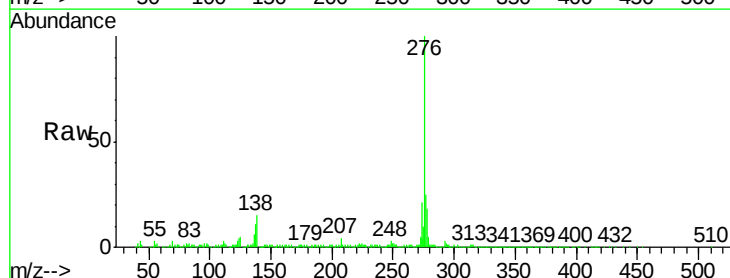
Tgt Ion:276 Resp: 1020584

Ion Ratio Lower Upper

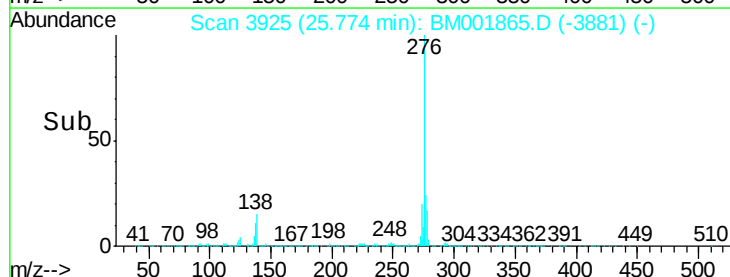
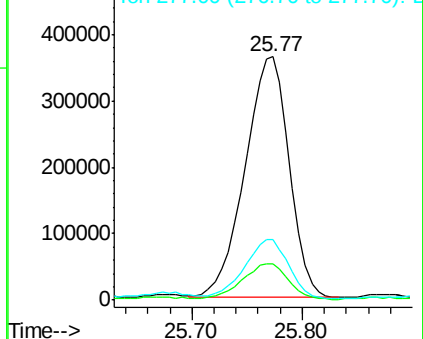
276 100

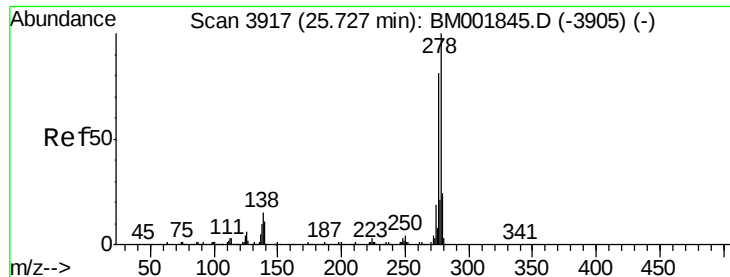
138 14.9 14.7 22.1

277 24.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





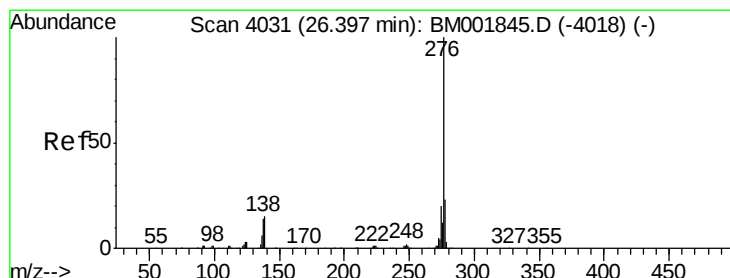
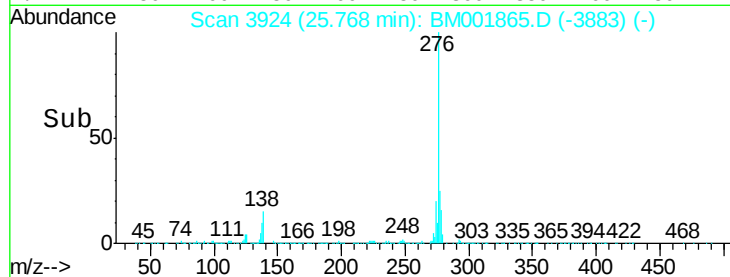
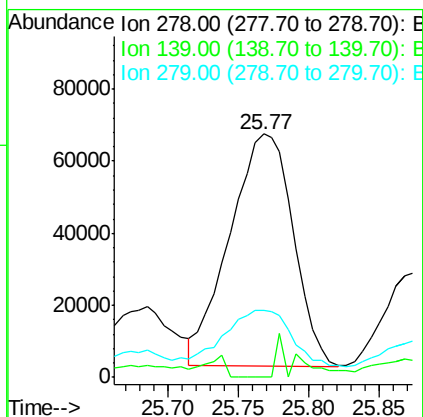
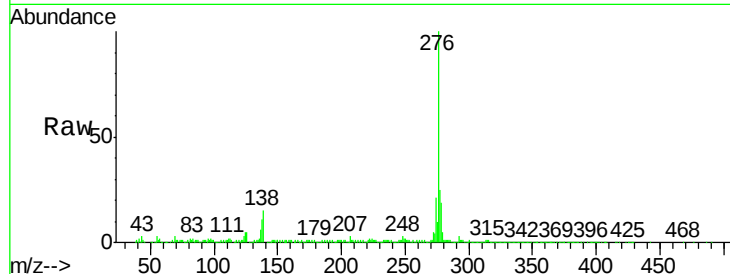
#92
Dibenzo(a,h)anthracene
Concen: 9.04 ng/ul
RT: 25.77 min Scan# 3924
Delta R.T. 0.04 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Instrument :
BNA_M
ClientSampleId :
G93L1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.2	13.8#
279	27.6	19.1	28.7

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#93
Benzo(g,h,i)perylene
Concen: 42.87 ng/ul
RT: 26.47 min Scan# 4044
Delta R.T. 0.07 min
Lab File: BM001865.D
Acq: 07 Jul 2015 13:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	12.6	19.0
277	24.2	18.7	28.1

