

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070815\
 Data File : BM001882.D
 Acq On : 08 Jul 2015 18:03
 Operator : TP/UM
 Sample : G2860-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93K5

Manual Integrations
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 7/9/2015 2:41:06 PM

Quant Time: Jul 09 05:52:45 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 09 04:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	60260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	214959	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	113196	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	230618	20.00	ng/ul	0.00
77) Chrysene-d12	21.28	240	300499	20.00	ng/ul	0.02
85) Perylene-d12	23.53	264	301645	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	4168	3.30	ng/uL	0.00
5) Phenol-d5	6.83	99	86980	18.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	49359	19.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	71735	19.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	69637	18.74	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	31792	21.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	36603	22.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	70104	20.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	42117	11.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	171711	20.46	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	224961	20.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	26172	16.90	ng/ul	0.00
57) Fluorene-d10	15.32	176	159050	20.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	14954	10.61	ng/ul	0.00
70) Anthracene-d10	17.17	188	231686	21.57	ng/ul	0.00
78) Pyrene-d10	19.48	212	273213	21.47	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.39	264	293436	22.07	ng/ul	0.04

Target Compounds

						Qvalue
14) Acetophenone	8.49	105	14441	2.45	ng/ul	94
28) Naphthalene	10.50	128	221988	20.45	ng/ul	98
34) 2-Methylnaphthalene	12.13	142	113886	14.51	ng/ul	99
40) 1,1'-Biphenyl	13.15	154	33279	3.60	ng/ul	99
44) Dimethylphthalate	13.78	163	65820	7.17	ng/ul	99
47) Acenaphthylene	14.04	152	554550	49.43	ng/ul	99
49) Acenaphthene	14.39	153	62064	8.28	ng/ul	96
53) Dibenzofuran	14.72	168	75118	7.00	ng/ul	93
58) Fluorene	15.37	166	231273	25.88	ng/ul	98
69) Phenanthrene	17.12	178	2595165	207.53	ng/ul	99
71) Anthracene	17.20	178	732981	57.09	ng/ul	98
74) Carbazole	17.48	167	33545	2.98	ng/ul#	66
76) Fluoranthene	19.14	202	3182779	212.80	ng/ul	98
79) Pyrene	19.52	202	5601696	336.00	ng/ul#	94
82) Benzo(a)anthracene	21.27	228	2083685	118.68	ng/ul#	84
84) Chrysene	21.32	228	2034775	122.26	ng/ul#	93
87) Benzo(b)fluoranthene	22.86	252	2087346m	118.87	ng/ul	
88) Benzo(k)fluoranthene	22.89	252	695593m	40.99	ng/ul	
90) Benzo(a)pyrene	23.44	252	2125670	124.43	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.81	276	1174878	58.00	ng/ul	98
92) Dibenz(a,h)anthracene	25.81	278	326464	19.10	ng/ul#	77
93) Benzo(g,h,i)perylene	26.51	276	1331118	78.15	ng/ul	97

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Instrument :
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Quant Title : SVOA CALIBRATION
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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

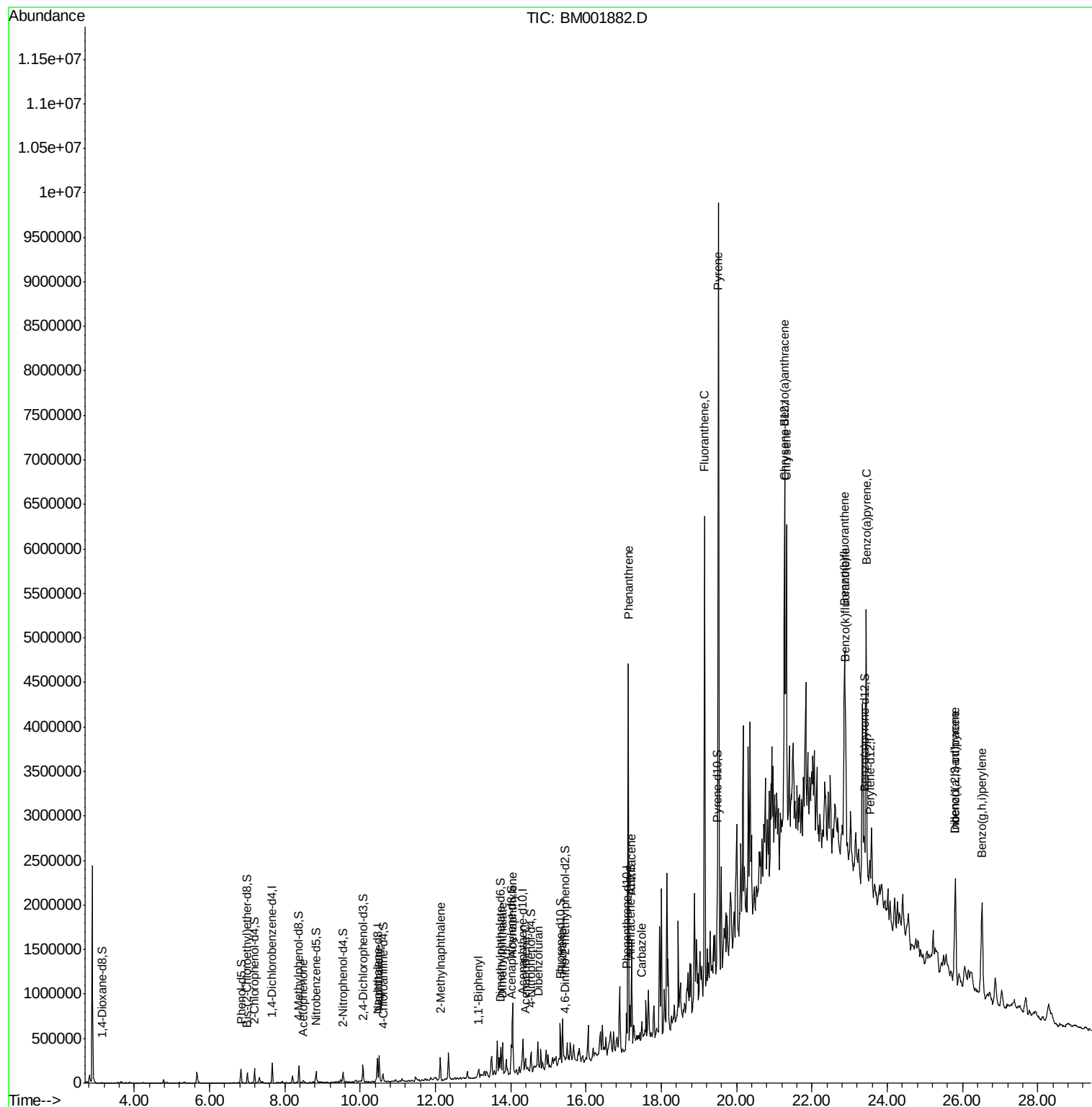
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070815\
Data File : BM001882.D
Acq On : 08 Jul 2015 18:03
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

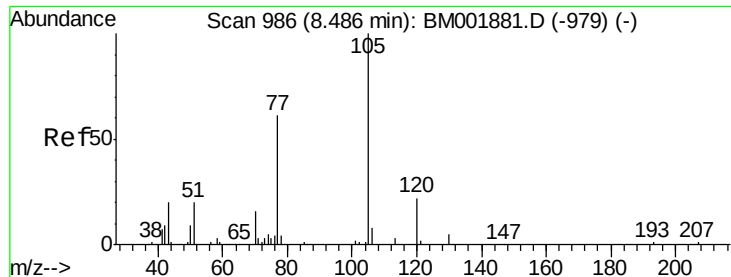
Instrument :
BNA_M
ClientSampled :
G93K5

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Quant Time: Jul 09 05:52:45 2015
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#14

Acetophenone

Concen: 2.45 ng/ul

RT: 8.49 min Scan# 986

Delta R.T. 0.00 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

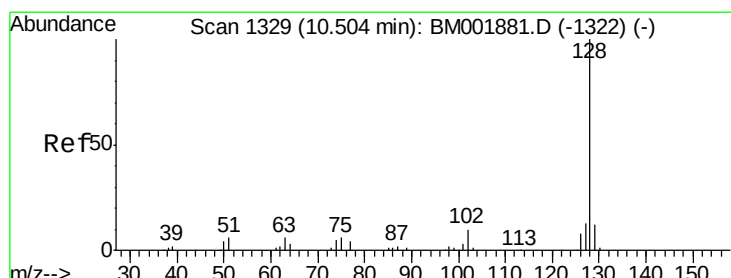
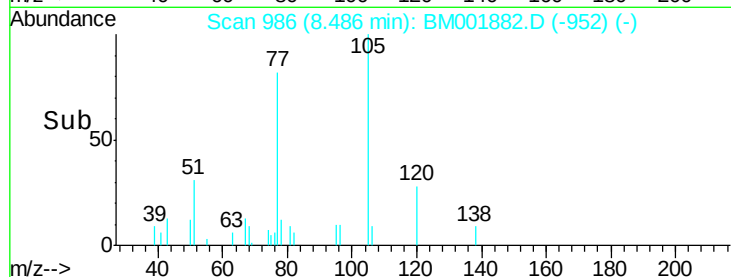
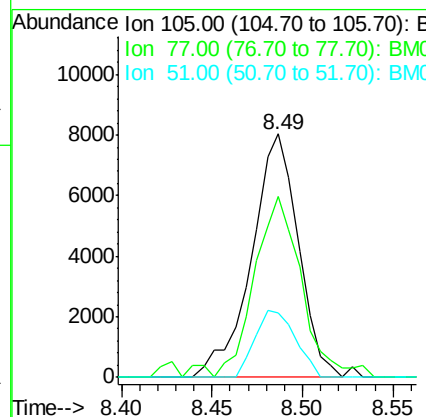
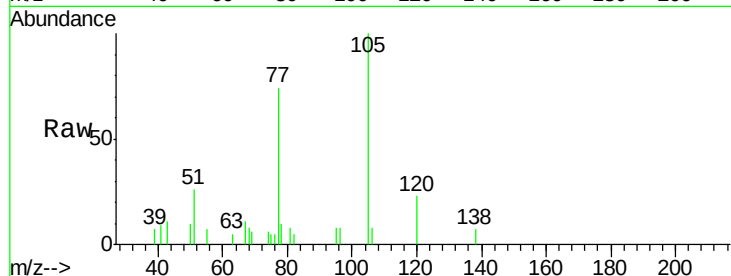
ClientSampled :

G93K5

Tgt Ion:	105	Resp:	14441
Ion Ratio		Lower	Upper
105	100		
77	74.2	64.2	96.4
51	26.5	22.0	33.0

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#28

Naphthalene

Concen: 20.45 ng/ul

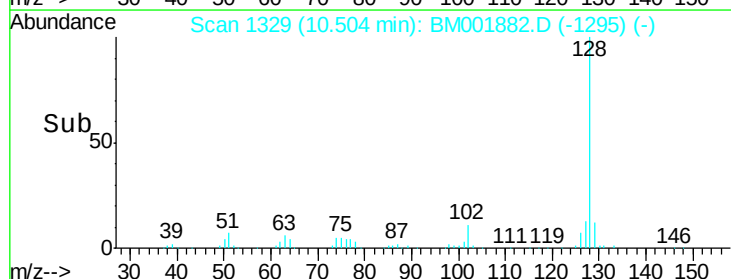
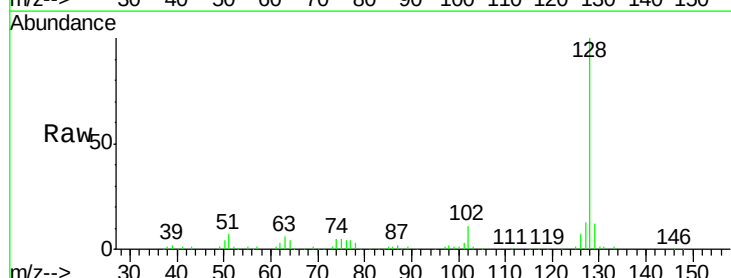
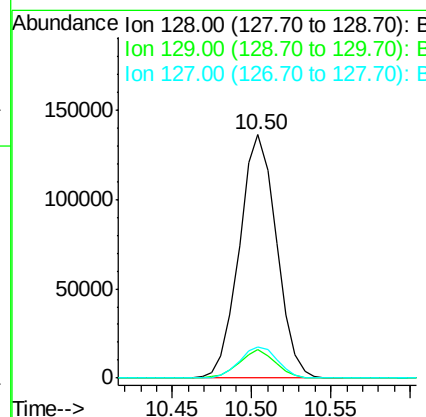
RT: 10.50 min Scan# 1329

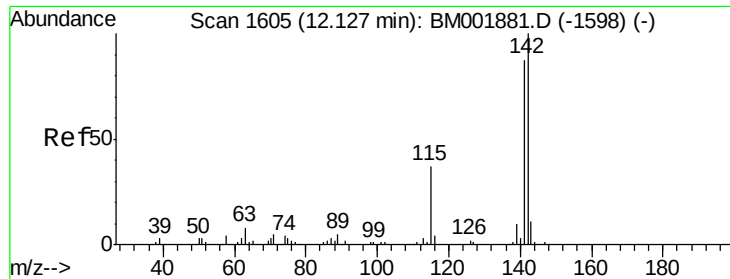
Delta R.T. 0.00 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Tgt Ion:	128	Resp:	221988
Ion Ratio		Lower	Upper
128	100		
129	11.7	8.7	13.1
127	13.0	10.0	15.0





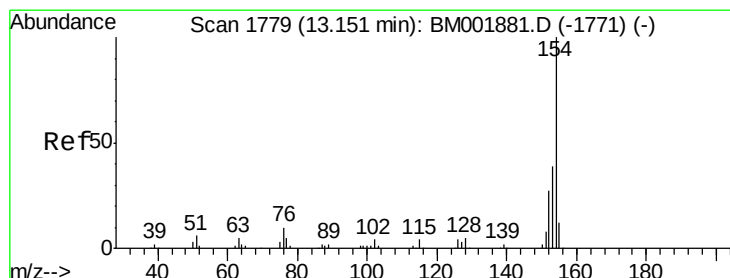
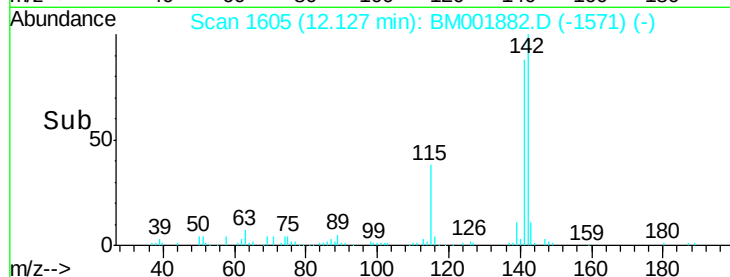
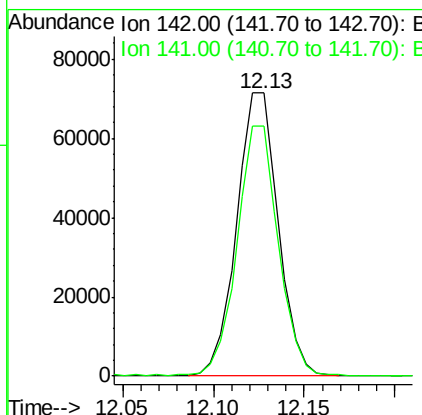
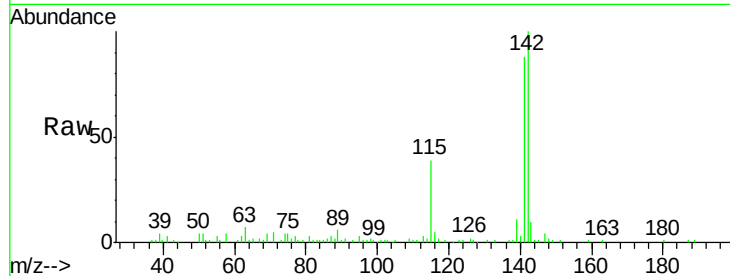
#34
 2-Methylnaphthalene
 Concen: 14.51 ng/ul
 RT: 12.13 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: BM001882.D
 Acq: 08 Jul 2015 18:03

Instrument :
 BNA_M
 ClientSampleId :
 G93K5

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.6	107.4

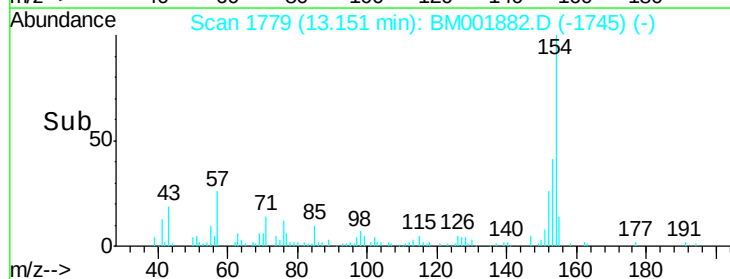
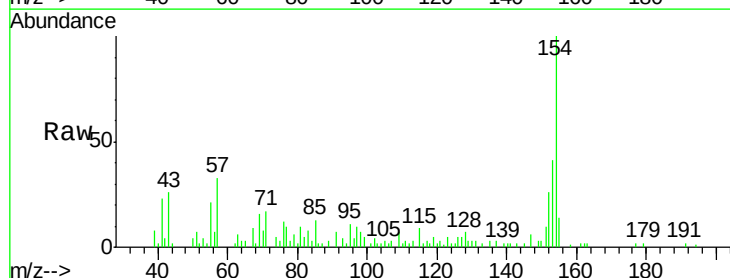
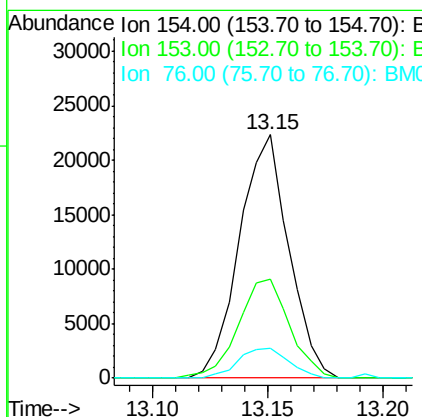
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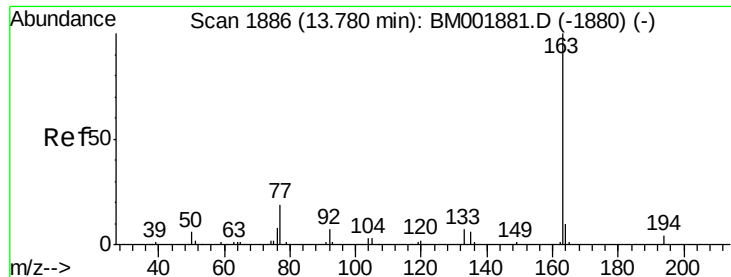
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#40
 1,1'-Biphenyl
 Concen: 3.60 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BM001882.D
 Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.5	48.7
76	12.0	9.0	13.6





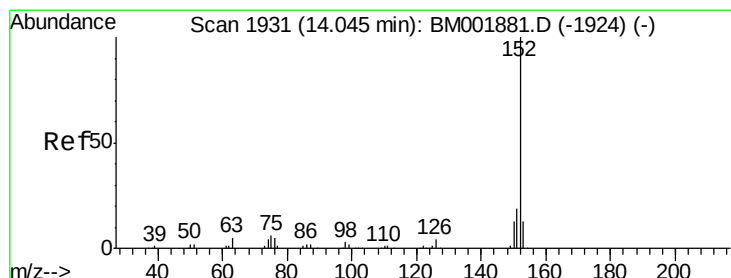
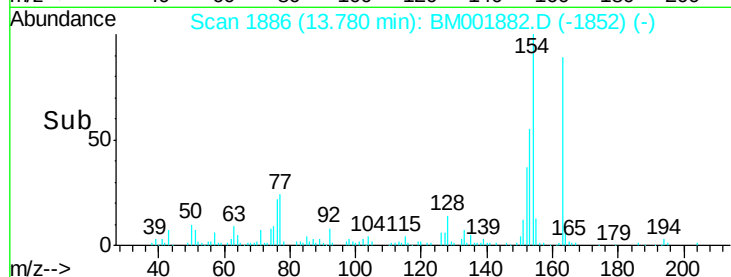
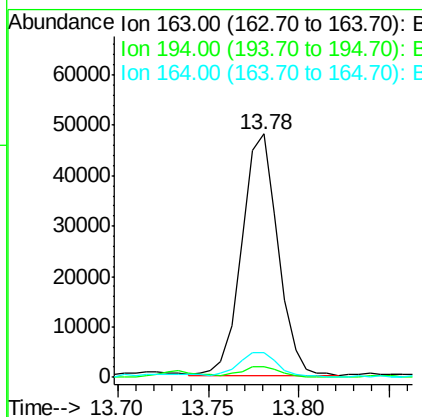
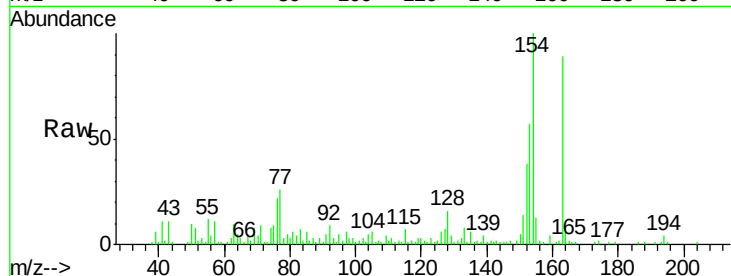
#44
Dimethylphthalate
Concen: 7.17 ng/ul
RT: 13.78 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BM001882.D
Acq: 08 Jul 2015 18:03

Instrument :
BNA_M
ClientSampleId :
G93K5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	65820		
194	4.4	3.6	5.4	
164	10.3	8.0	12.0	

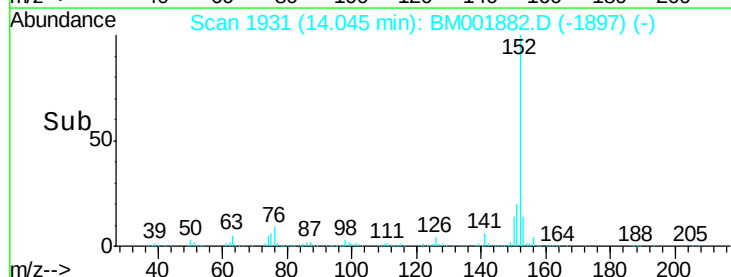
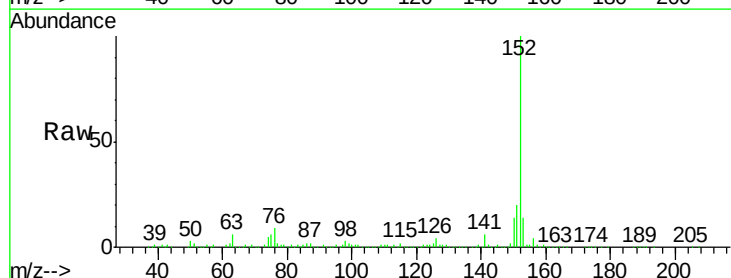
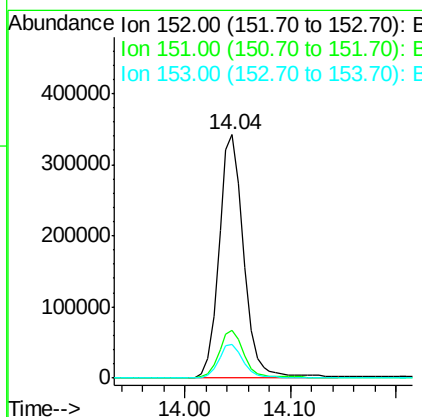
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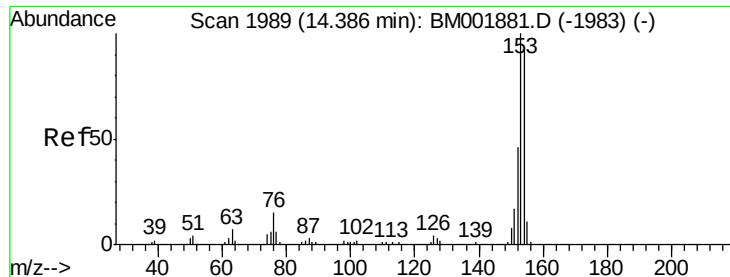
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#47
Acenaphthylene
Concen: 49.43 ng/ul
RT: 14.04 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BM001882.D
Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	554550		
151	19.9	15.9	23.9	
153	13.9	10.0	15.0	





#49

Acenaphthene

Concen: 8.28 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

G93K5

Tgt Ion:153 Resp: 62064

Ion Ratio Lower Upper

153 100

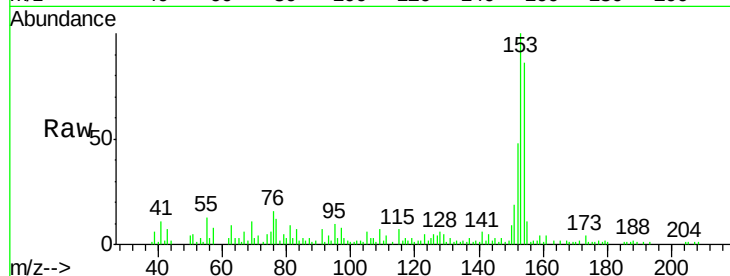
152 48.1 36.6 55.0

154 86.0 72.6 108.8

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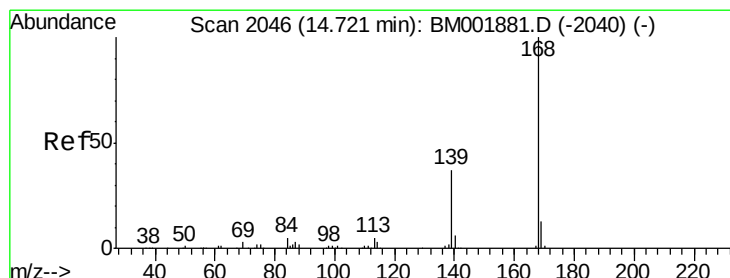
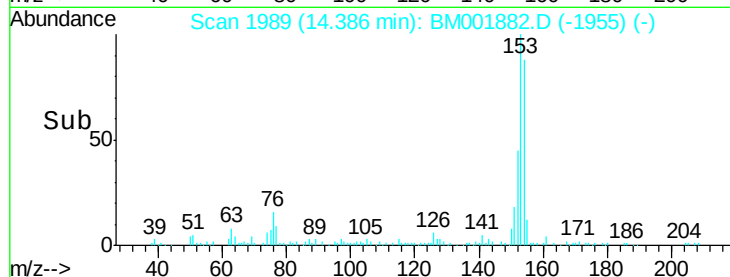
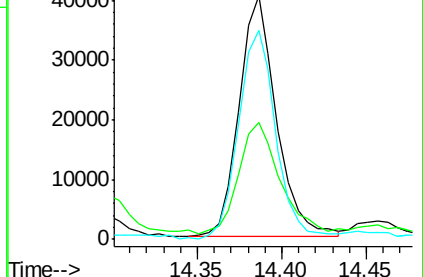
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 7.00 ng/ul

RT: 14.72 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM001882.D

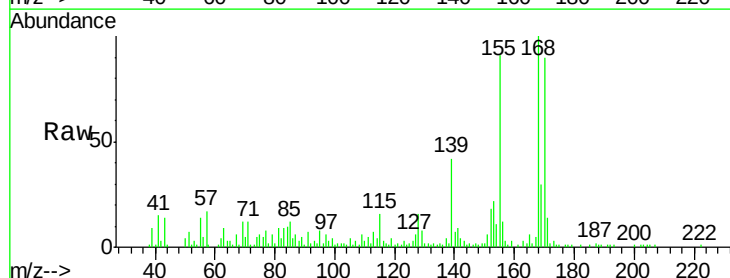
Acq: 08 Jul 2015 18:03

Tgt Ion:168 Resp: 75118

Ion Ratio Lower Upper

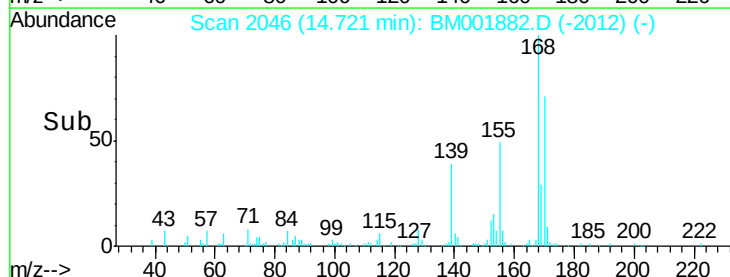
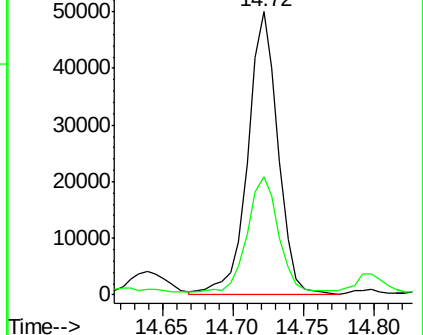
168 100

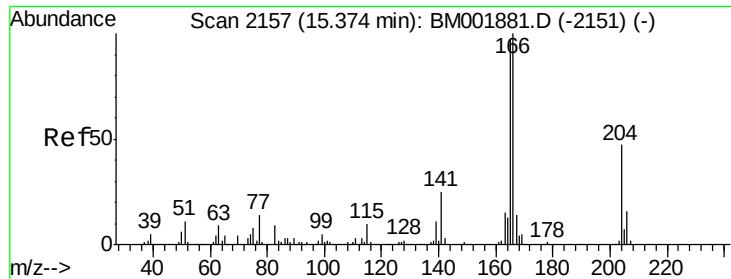
139 41.7 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





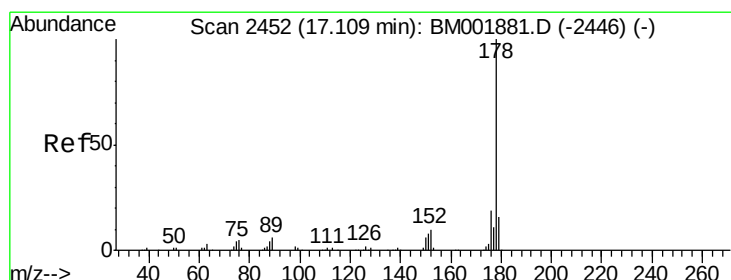
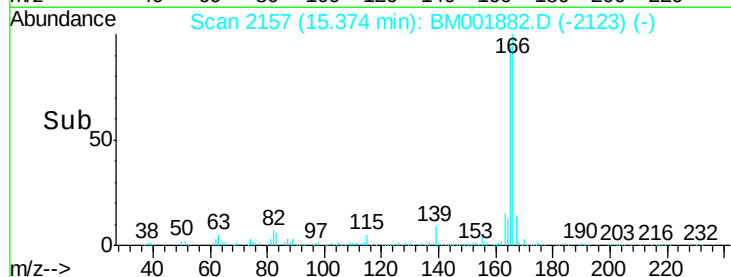
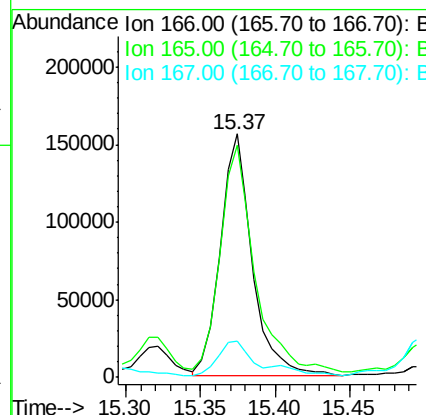
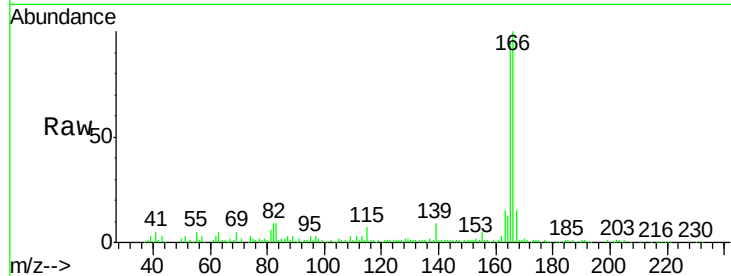
#58
 Fluorene
 Concen: 25.88 ng/ul
 RT: 15.37 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BM001882.D
 Acq: 08 Jul 2015 18:03

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	231273		
165	95.1	77.4	116.2	
167	14.7	11.3	16.9	

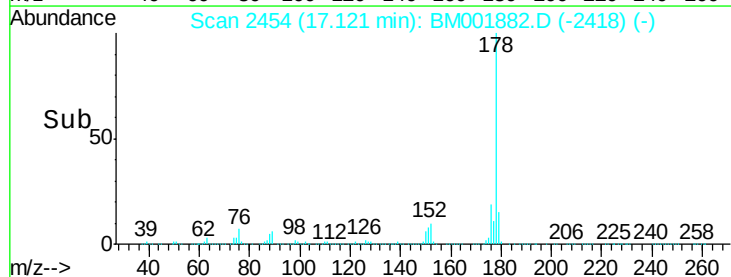
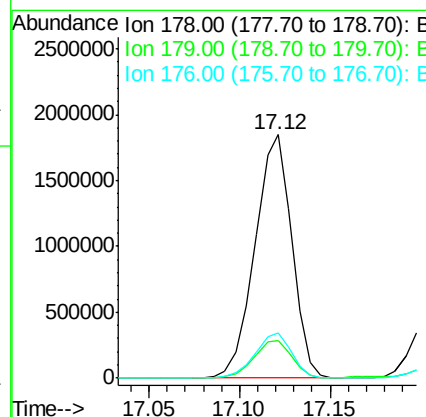
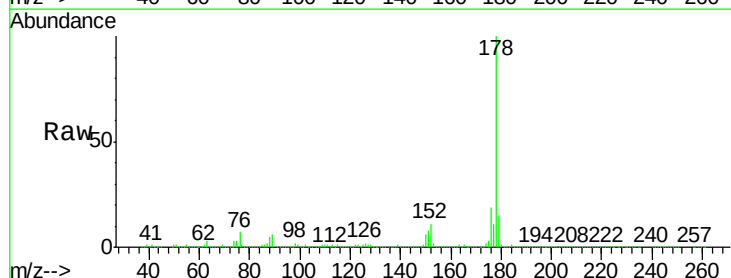
Manual Integrations
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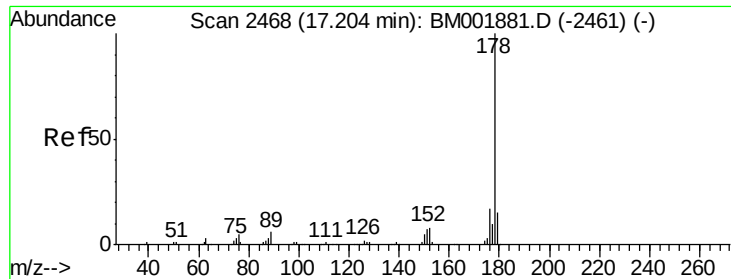
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#69
 Phenanthrene
 Concen: 207.53 ng/ul
 RT: 17.12 min Scan# 2454
 Delta R.T. 0.01 min
 Lab File: BM001882.D
 Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2595165		
179	15.4	11.9	17.9	
176	18.7	15.2	22.8	





#71

Anthracene

Concen: 57.09 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM001882.D

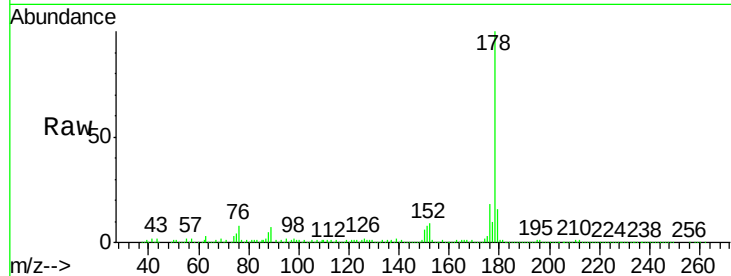
Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

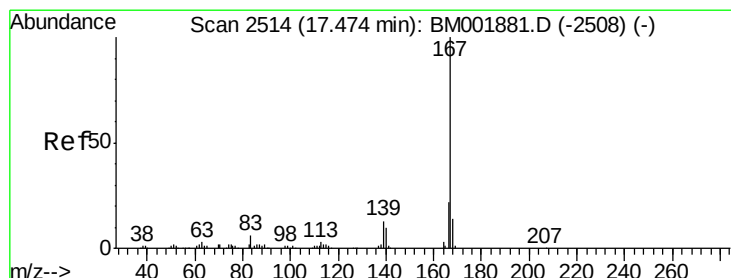
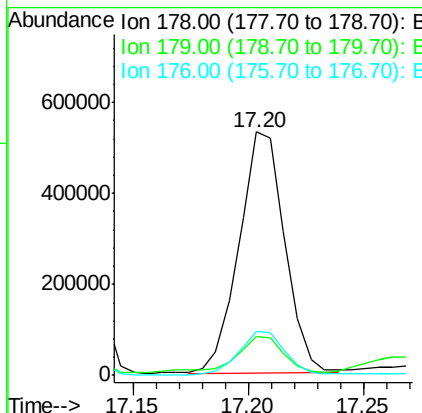
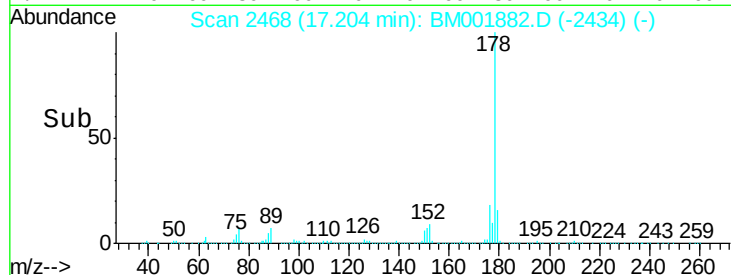
G93K5



Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.8	17.8
176	18.0	14.4	21.6

Manual Integrations
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#74

Carbazole

Concen: 2.98 ng/ul

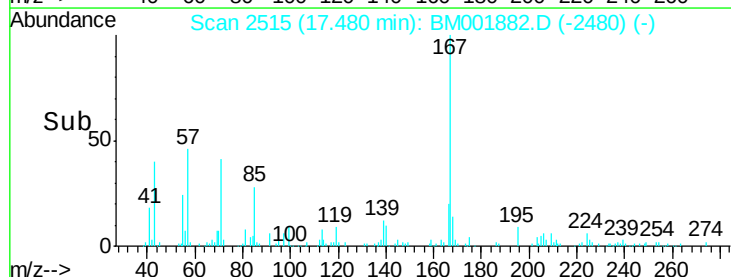
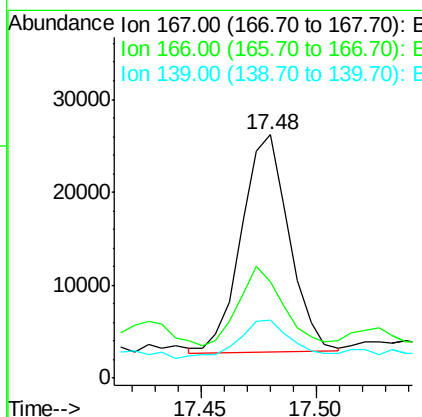
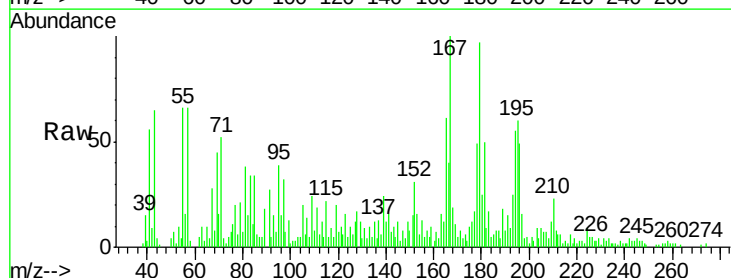
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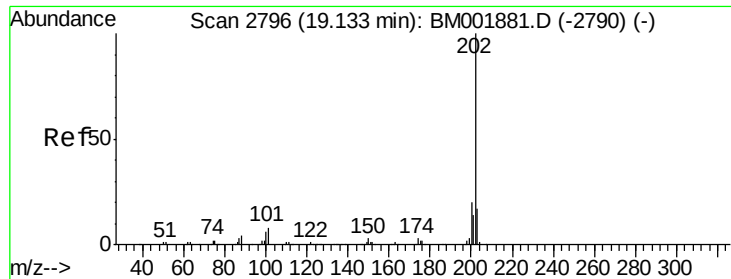
Delta R.T. 0.01 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	39.6	17.4	26.2#
139	24.0	10.1	15.1#





#76

Fluoranthene

Concen: 212.80 ng/ul

RT: 19.14 min Scan# 2798

Delta R.T. 0.01 min

Lab File: BM001882.D

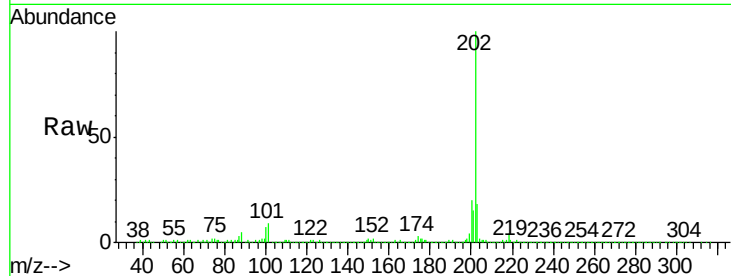
Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

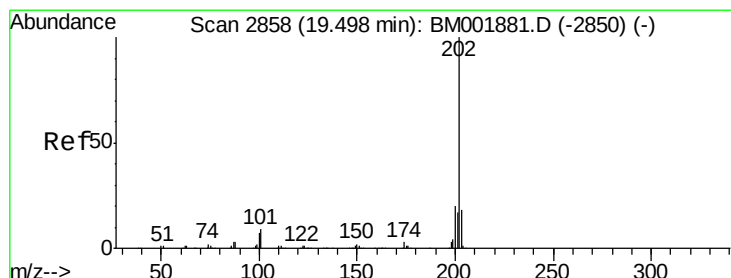
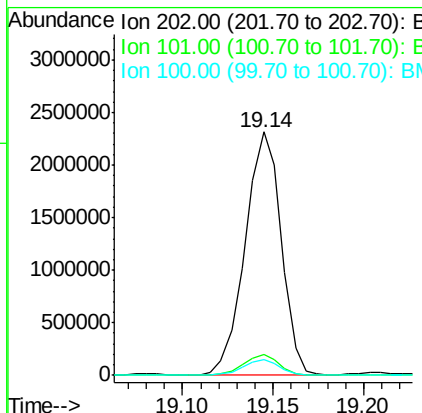
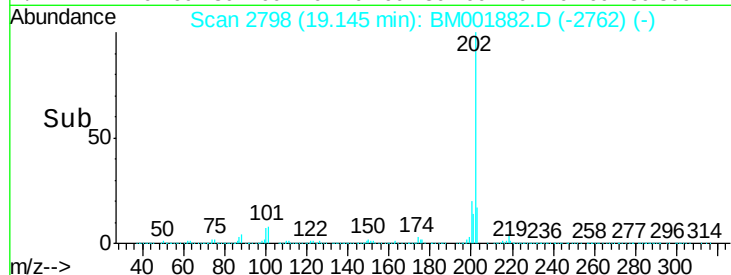
G93K5



Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.1	9.1
100	6.7	4.8	7.2

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#79

Pyrene

Concen: 336.00 ng/ul

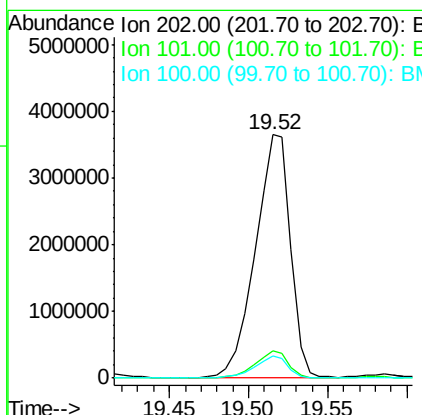
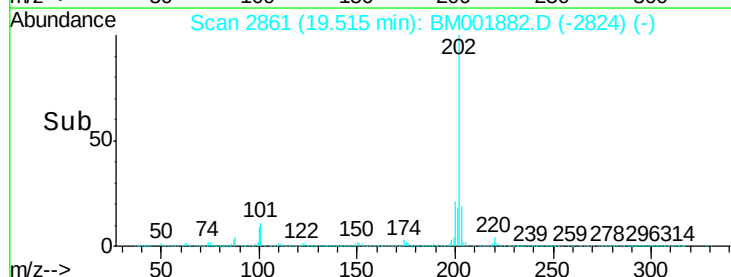
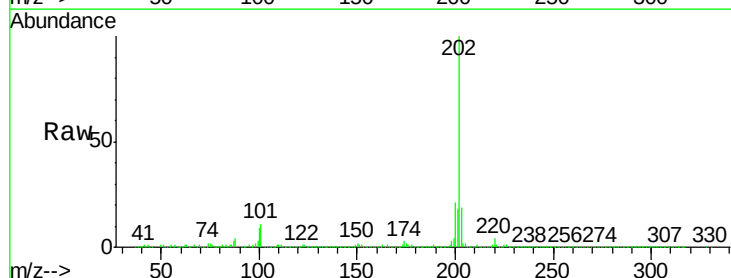
RT: 19.52 min Scan# 2861

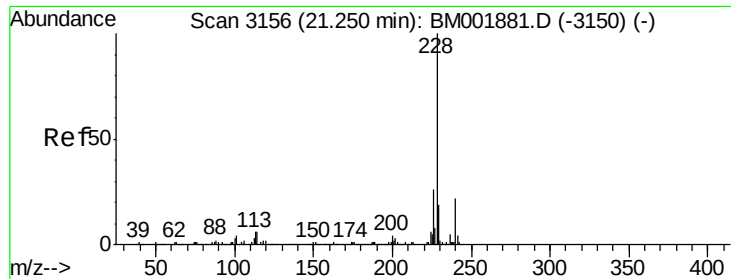
Delta R.T. 0.02 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	6.9	10.3#
100	9.1	6.2	9.2





#82

Benzo(a)anthracene

Concen: 118.68 ng/ul

RT: 21.27 min Scan# 3159

Delta R.T. 0.02 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

G93K5

Tgt Ion:228 Resp: 2083685

Ion Ratio Lower Upper

228 100

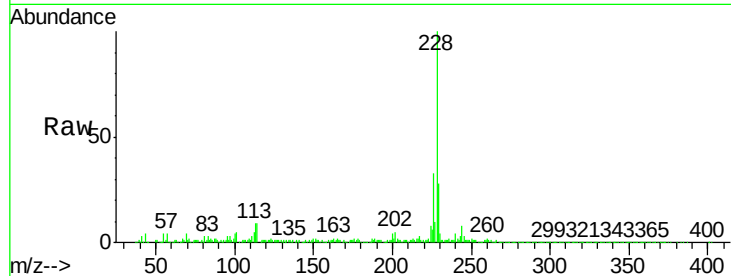
229 27.6 15.4 23.0#

226 32.9 20.6 30.8#

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Abundance Ion 228.00 (227.70 to 228.70): E

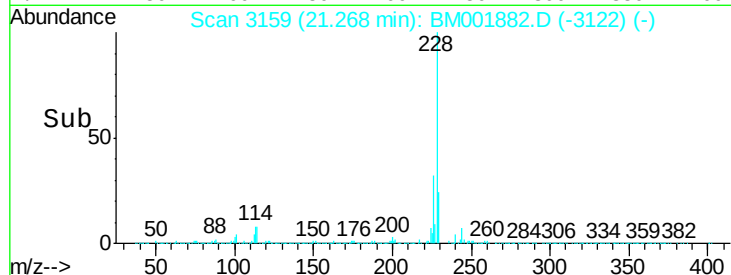
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

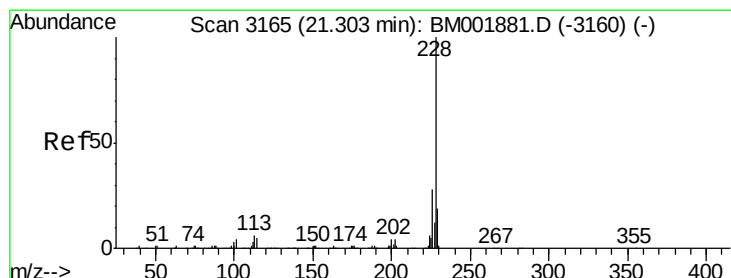
21.27

21.25

21.30



Time-->



#84

Chrysene

Concen: 122.26 ng/ul

RT: 21.32 min Scan# 3168

Delta R.T. 0.02 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

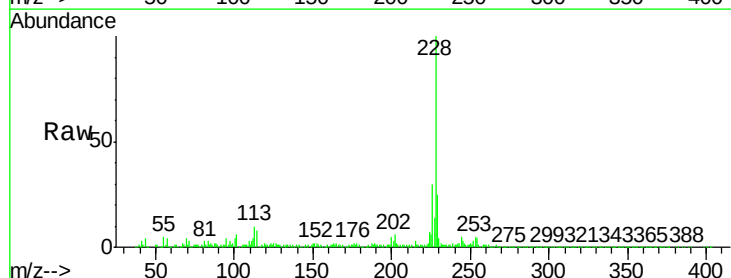
Tgt Ion:228 Resp: 2034775

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

229 24.9 15.4 23.2#



Abundance Ion 228.00 (227.70 to 228.70): E

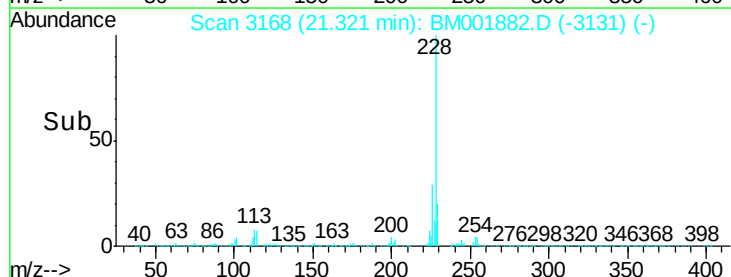
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

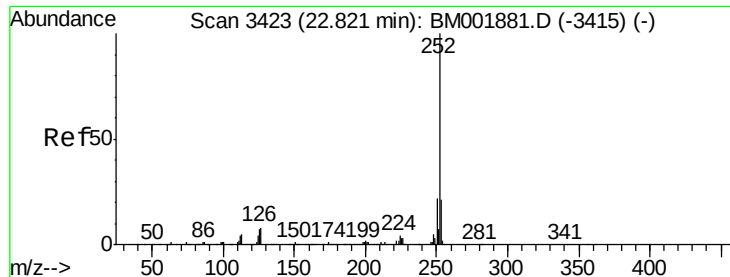
21.32

21.25

21.35



Time-->



#87

Benzo(b)fluoranthene

Concen: 118.87 ng/ul m

RT: 22.86 min Scan# 3430

Delta R.T. 0.04 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

G93K5

Tgt Ion:252 Resp: 2087346

Ion Ratio Lower Upper

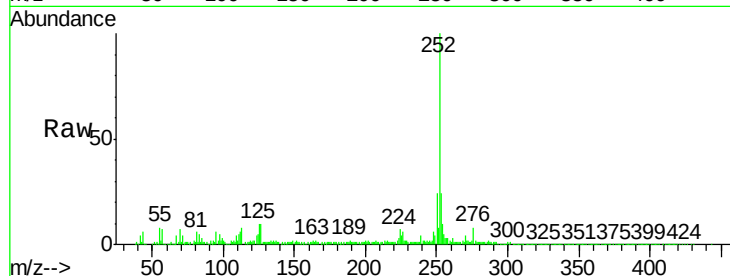
252 100

253 23.6 17.8 26.6

125 10.0 5.3 7.9#

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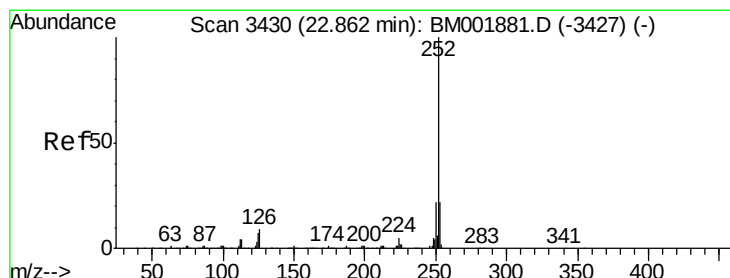
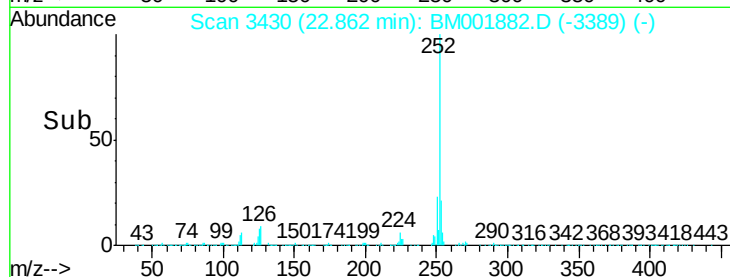
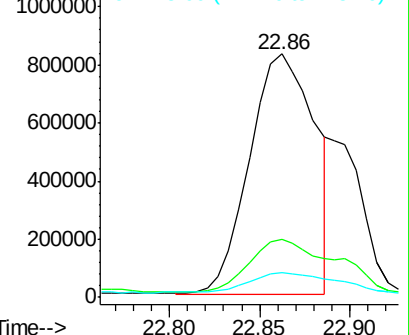
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.99 ng/ul m

RT: 22.89 min Scan# 3434

Delta R.T. 0.02 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Tgt Ion:252 Resp: 695593

Ion Ratio Lower Upper

252 100

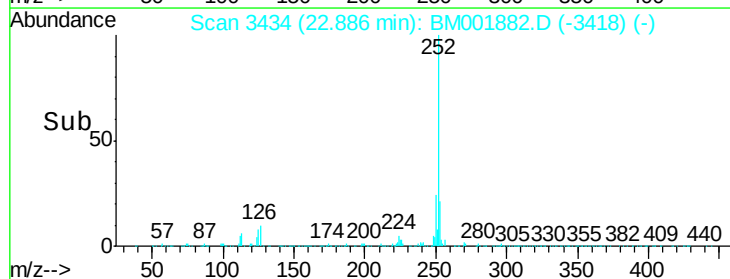
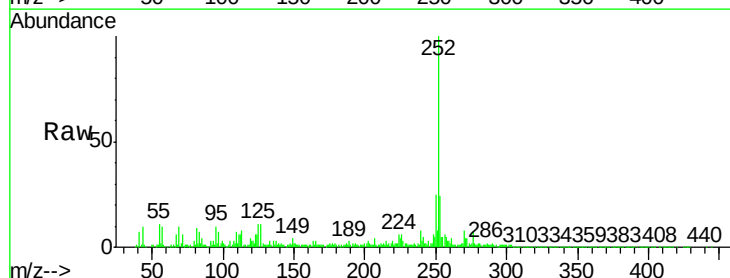
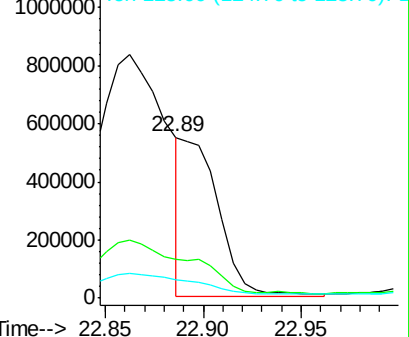
253 24.0 17.1 25.7

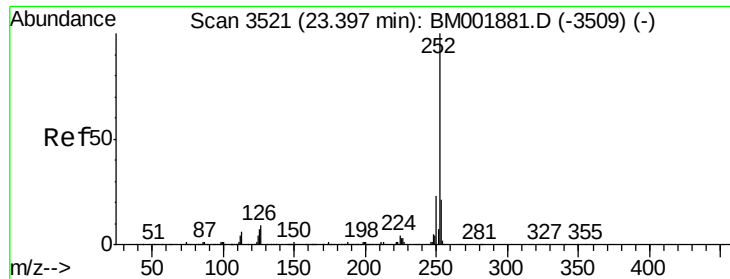
125 11.2 5.3 7.9#

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





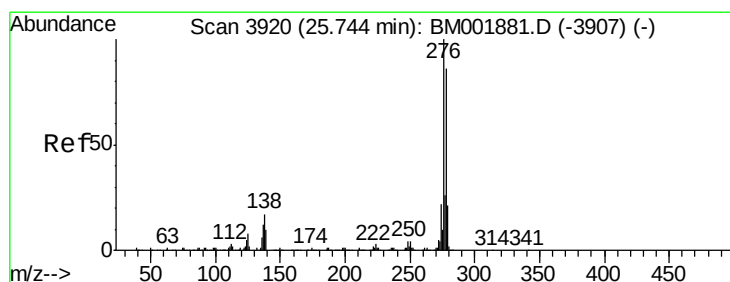
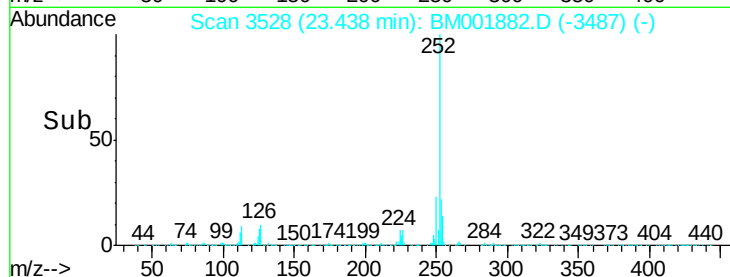
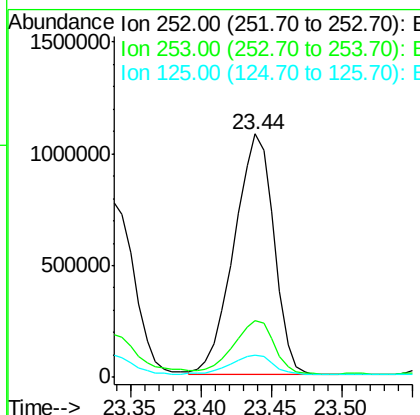
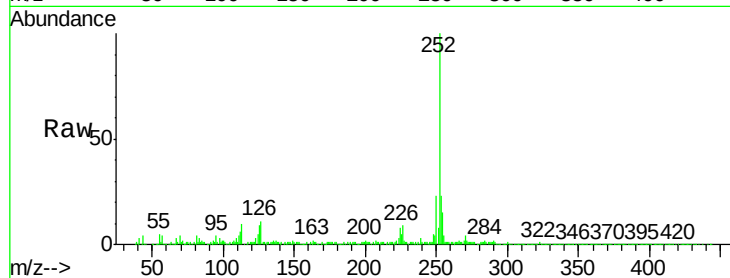
#90
Benzo(a)pyrene
Concen: 124.43 ng/ul
RT: 23.44 min Scan# 3528
Delta R.T. 0.04 min
Lab File: BM001882.D
Acq: 08 Jul 2015 18:03

Instrument :
BNA_M
ClientSampleId :
G93K5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	9.4	6.0	9.0

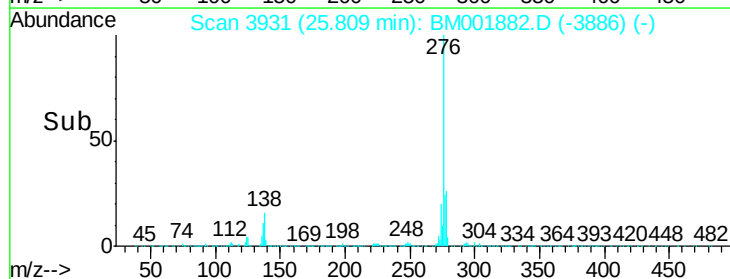
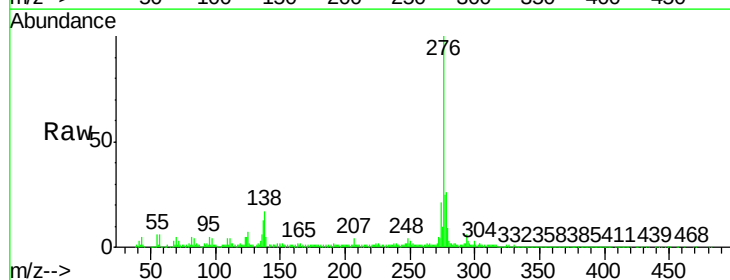
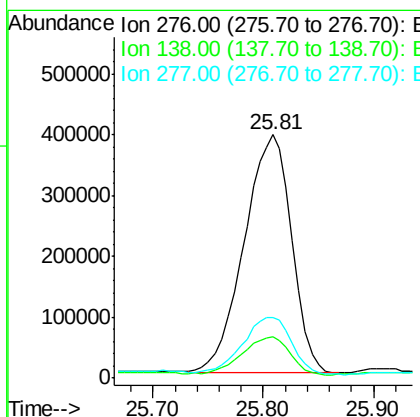
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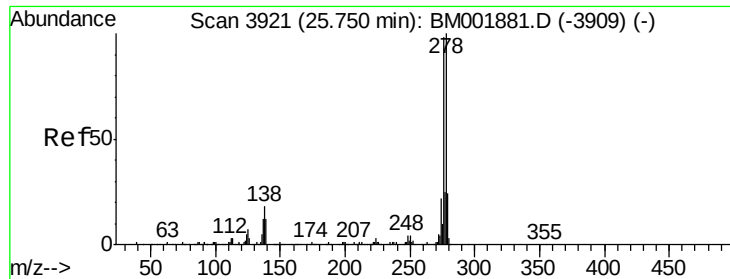
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#91
Indeno(1,2,3-cd)pyrene
Concen: 58.00 ng/ul
RT: 25.81 min Scan# 3931
Delta R.T. 0.06 min
Lab File: BM001882.D
Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.7	22.1
277	25.0	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 19.10 ng/ul

RT: 25.81 min Scan# 3931

Delta R.T. 0.06 min

Lab File: BM001882.D

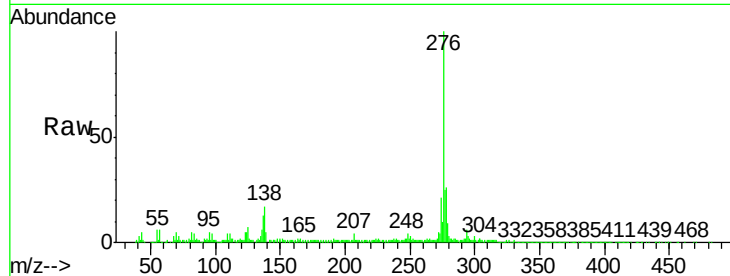
Acq: 08 Jul 2015 18:03

Instrument :

BNA_M

ClientSampleId :

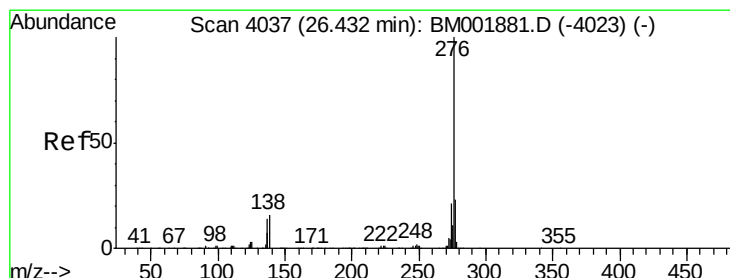
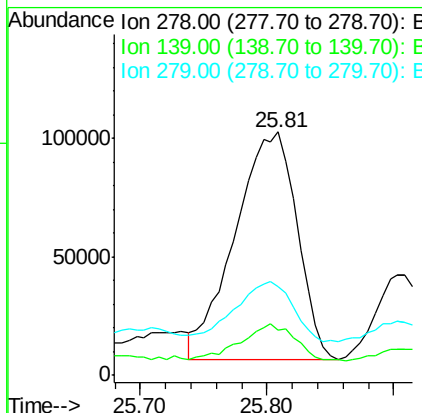
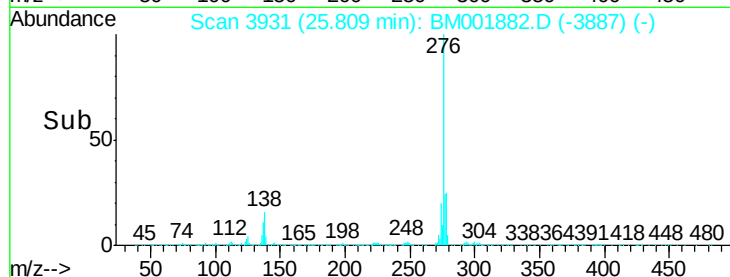
G93K5



Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	9.2	13.8#
279	36.3	19.1	28.7#

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#93

Benzo(g,h,i)perylene

Concen: 78.15 ng/ul

RT: 26.51 min Scan# 4051

Delta R.T. 0.08 min

Lab File: BM001882.D

Acq: 08 Jul 2015 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.6	19.0
277	25.2	18.7	28.1

