

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
 Data File : BM001887.D
 Acq On : 09 Jul 2015 16:51
 Operator : TP/UM
 Sample : G2860-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93H9

Manual Integrations
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 7/10/2015 1:32:02 PM

Quant Time: Jul 10 05:41:02 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 10 05:15:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	36019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	126347	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	72805	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	168261	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	193012	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	200523	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2159	2.86	ng/uL	0.00
5) Phenol-d5	6.83	99	42730	15.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	25671	16.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	36190	16.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	28562	12.86	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	16845	19.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	18977	19.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	35693	17.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	28423	13.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	101382	18.78	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	114609	16.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	14528	14.59	ng/ul	0.00
57) Fluorene-d10	15.32	176	80693	16.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	8622	8.39	ng/ul	0.00
70) Anthracene-d10	17.17	188	127313	16.24	ng/ul	0.00
78) Pyrene-d10	19.47	212	121665	14.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	118770	13.44	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.86	94	5171	1.81 ng/ul	95
14) Acetophenone	8.49	105	28976	8.22 ng/ul	99
28) Naphthalene	10.50	128	48232	7.56 ng/ul	99
34) 2-Methylnaphthalene	12.12	142	11684	2.53 ng/ul	95
44) Dimethylphthalate	13.77	163	29679	5.03 ng/ul	98
47) Acenaphthylene	14.04	152	53476	7.41 ng/ul	99
49) Acenaphthene	14.39	153	34814	7.22 ng/ul	97
53) Dibenzofuran	14.72	168	36758	5.32 ng/ul	99
58) Fluorene	15.37	166	44384	7.72 ng/ul	94
69) Phenanthrene	17.12	178	866153	94.93 ng/ul	99
71) Anthracene	17.20	178	176853	18.88 ng/ul	99
74) Carbazole	17.47	167	57857	7.04 ng/ul	98
76) Fluoranthene	19.14	202	1487494	136.31 ng/ul	100
79) Pyrene	19.50	202	1473962	137.65 ng/ul	99
82) Benzo(a)anthracene	21.25	228	701224	62.18 ng/ul	96
84) Chrysene	21.30	228	672153	62.88 ng/ul	97
87) Benzo(b)fluoranthene	22.83	252	830049	71.11 ng/ul	98
88) Benzo(k)fluoranthene	22.87	252	303884m	26.94 ng/ul	
90) Benzo(a)pyrene	23.40	252	619422	54.55 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.75	276	429448	31.89 ng/ul	98
92) Dibenzo(a,h)anthracene	25.75	278	102624	9.03 ng/ul#	91
93) Benzo(g,h,i)perylene	26.44	276	200974	17.75 ng/ul	97

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93H9

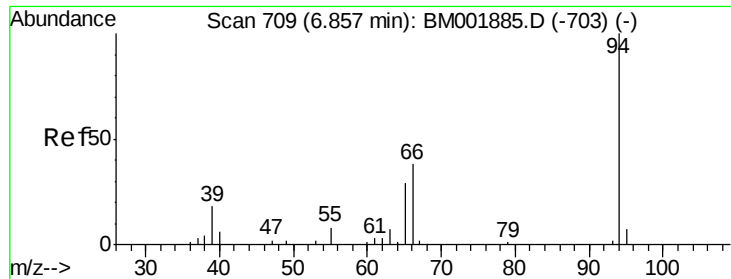
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Quant Time: Jul 10 05:41:02 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 10 05:15:13 2015
Response via : Initial Calibration

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



#6

Phenol

Concen: 1.81 ng/ul

RT: 6.86 min Scan# 710

Delta R.T. 0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Instrument :

BNA_M

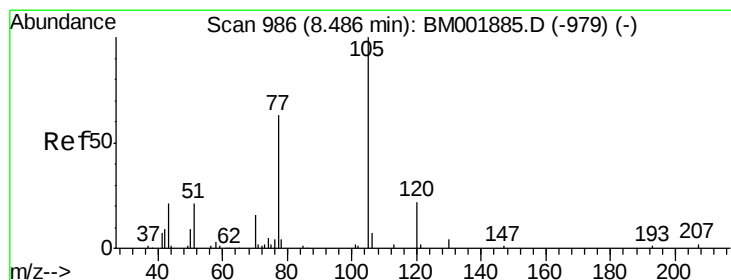
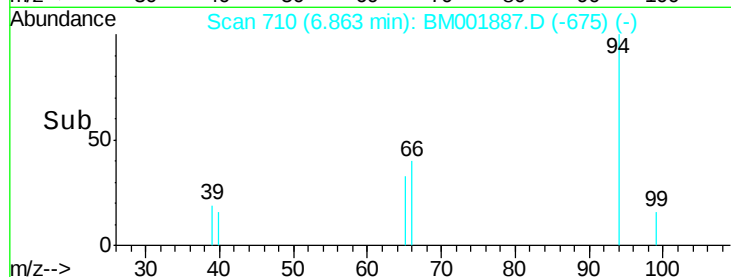
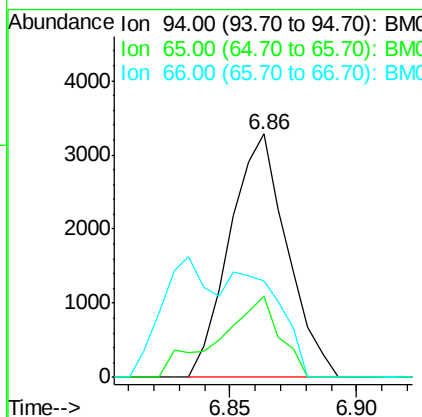
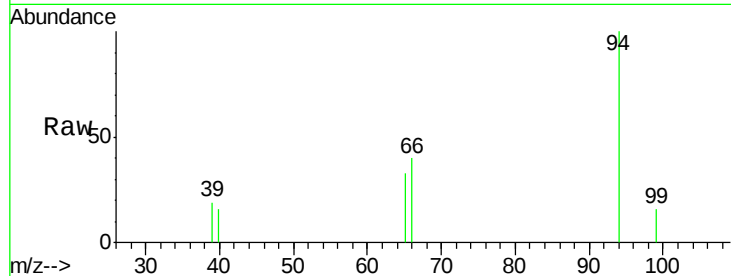
ClientSampled :

G93H9

Tgt Ion:	94	Resp:	5171
Ion	Ratio	Lower	Upper
94	100		
65	33.2	26.1	39.1
66	39.5	35.9	53.9

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#14

Acetophenone

Concen: 8.22 ng/ul

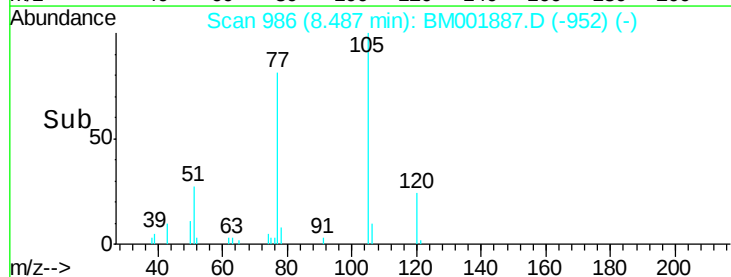
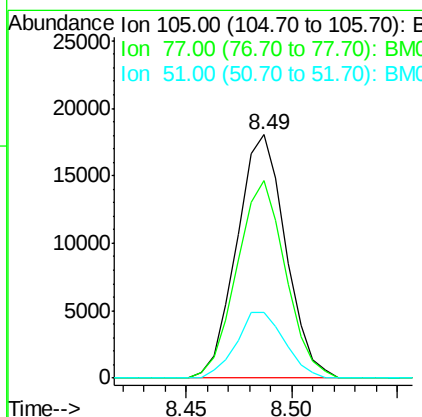
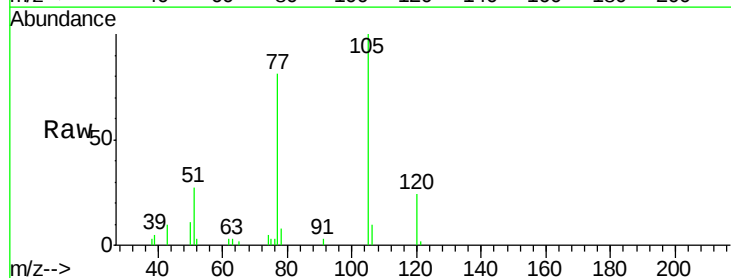
RT: 8.49 min Scan# 986

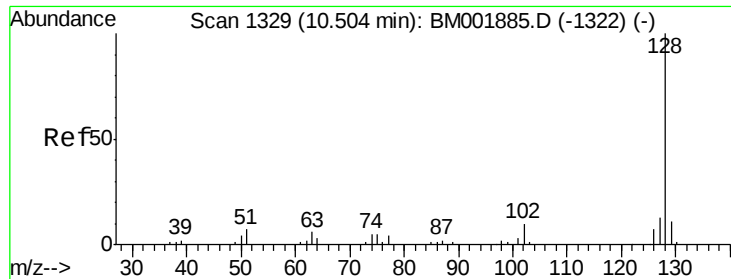
Delta R.T. 0.00 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Tgt Ion:	105	Resp:	28976
Ion	Ratio	Lower	Upper
105	100		
77	80.9	64.2	96.4
51	26.8	22.0	33.0





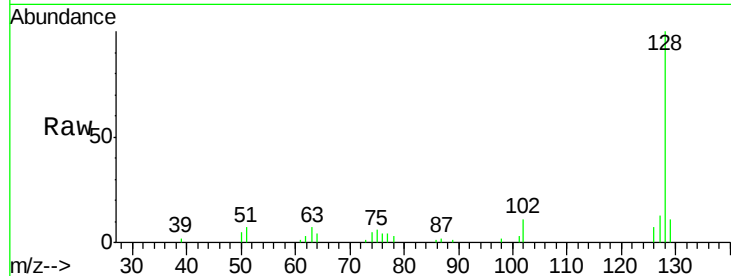
#28
Naphthalene
Concen: 7.56 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Instrument :
BNA_M
ClientSampleId :
G93H9

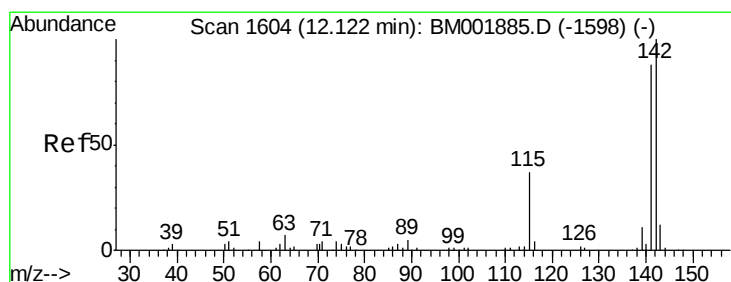
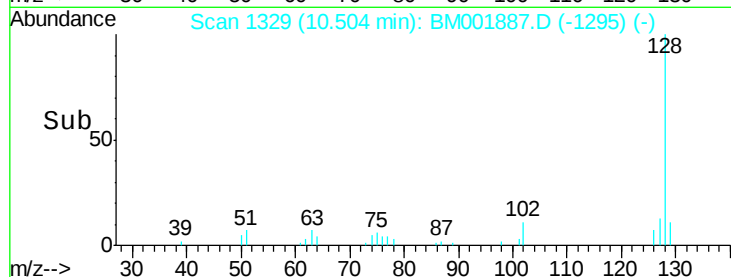
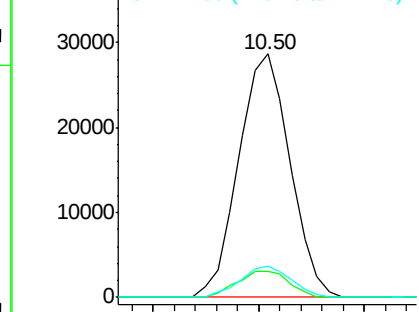
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.7	10.0	15.0

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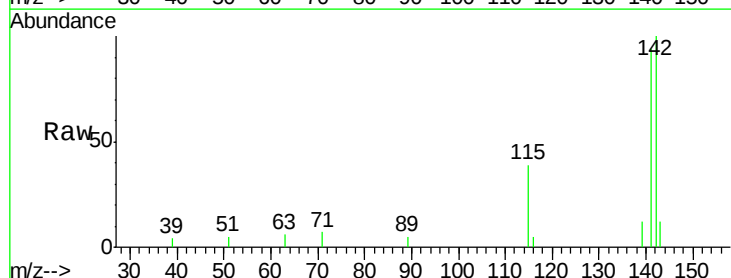


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

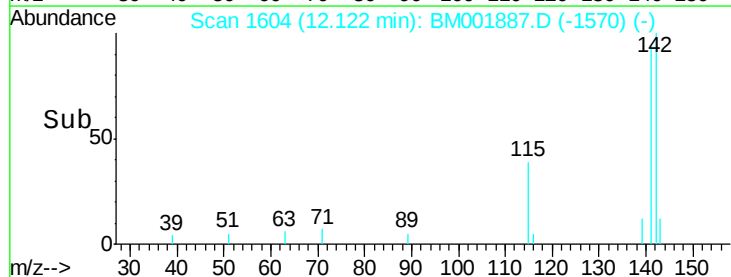
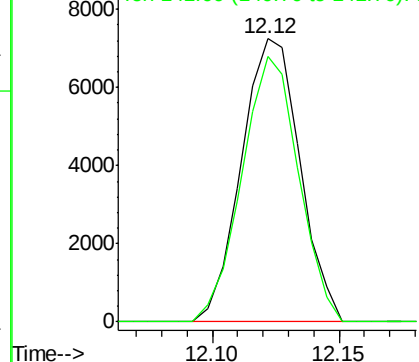


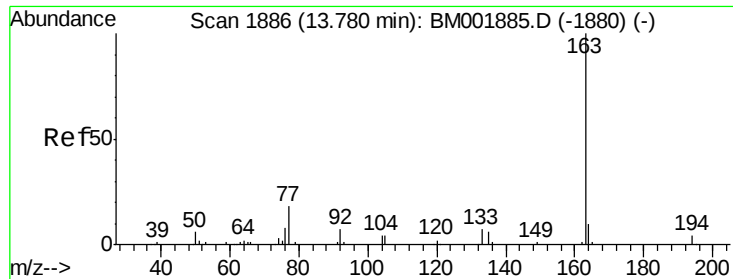
#34
2-Methylnaphthalene
Concen: 2.53 ng/ul
RT: 12.12 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.6	107.4



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





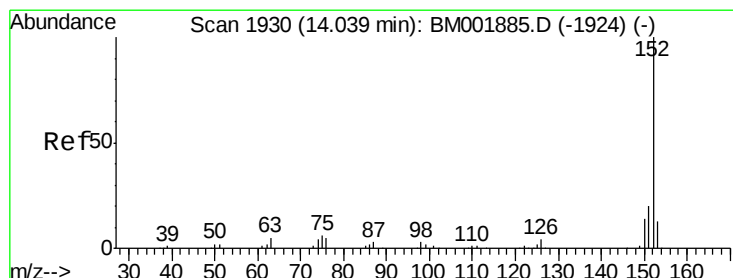
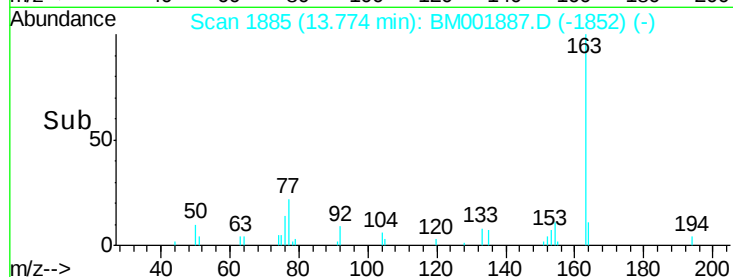
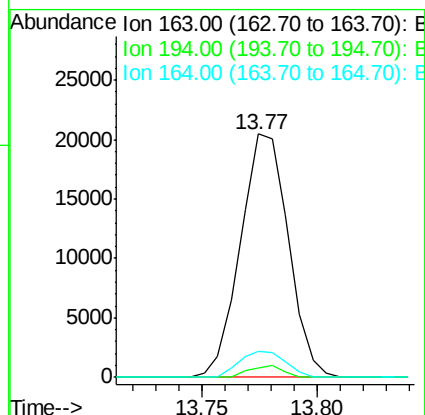
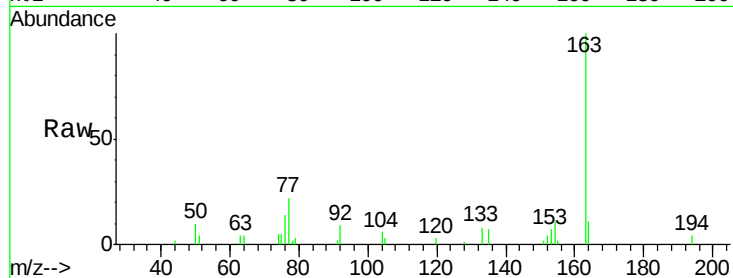
#44
Dimethylphthalate
Concen: 5.03 ng/ul
RT: 13.77 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Instrument :
BNA_M
ClientSampled :
G93H9

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29679		
194	4.0		3.6	5.4
164	10.8		8.0	12.0

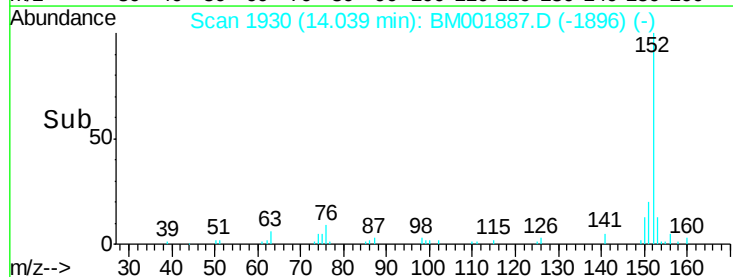
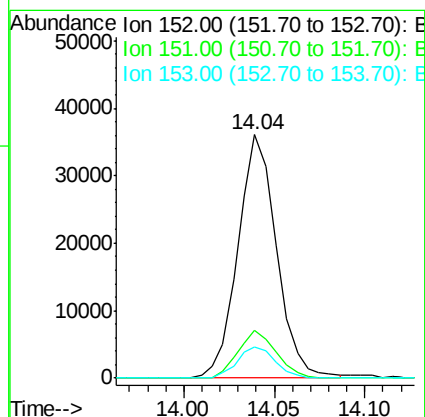
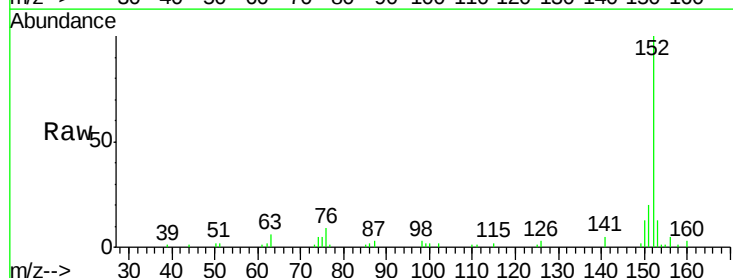
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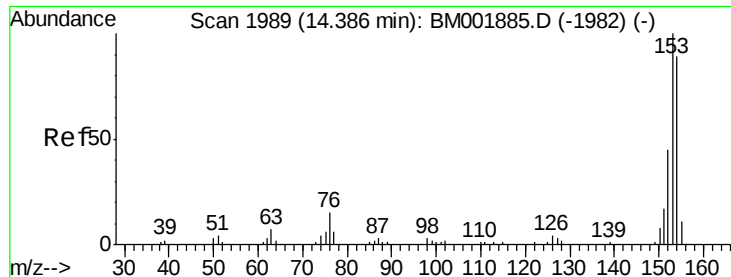
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#47
Acenaphthylene
Concen: 7.41 ng/ul
RT: 14.04 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	53476		
151	19.7		15.9	23.9
153	12.7		10.0	15.0





#49

Acenaphthene

Concen: 7.22 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM001887.D

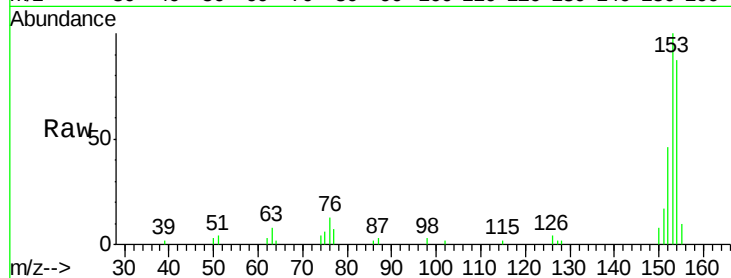
Acq: 09 Jul 2015 16:51

Instrument :

BNA_M

ClientSampleId :

G93H9



Tgt Ion:153 Resp: 34814

Ion Ratio Lower Upper

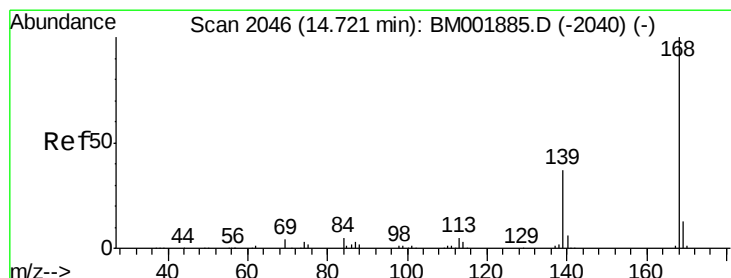
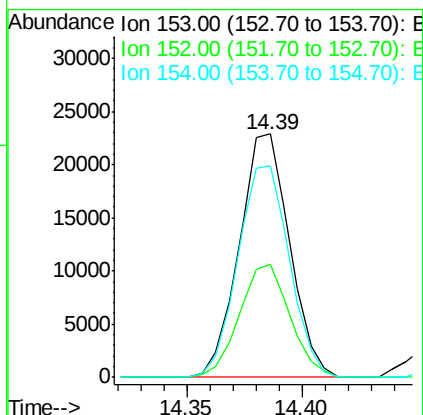
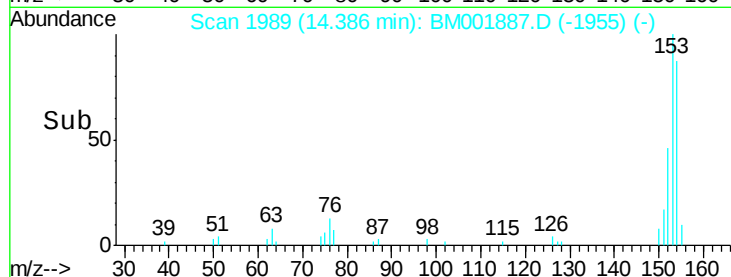
153 100

152 46.3 36.6 55.0

154 86.7 72.6 108.8

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#53

Dibenzofuran

Concen: 5.32 ng/ul

RT: 14.72 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM001887.D

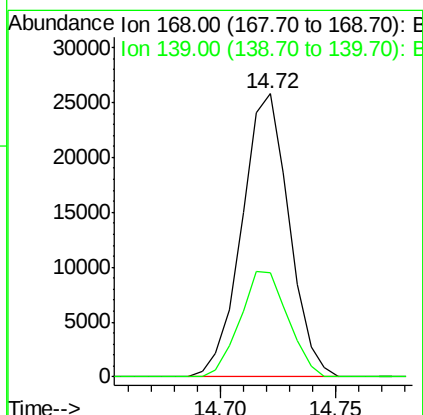
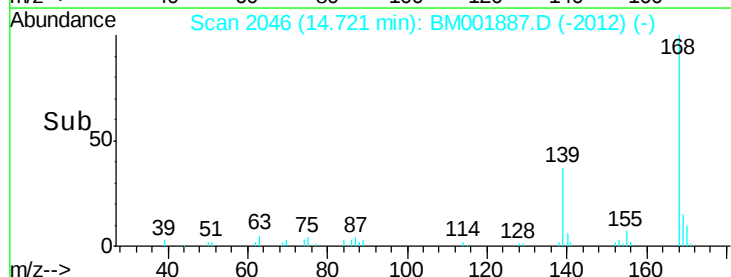
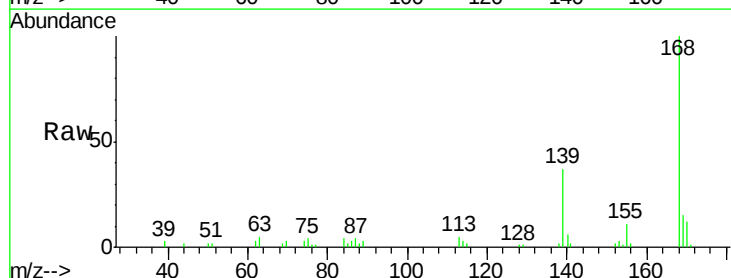
Acq: 09 Jul 2015 16:51

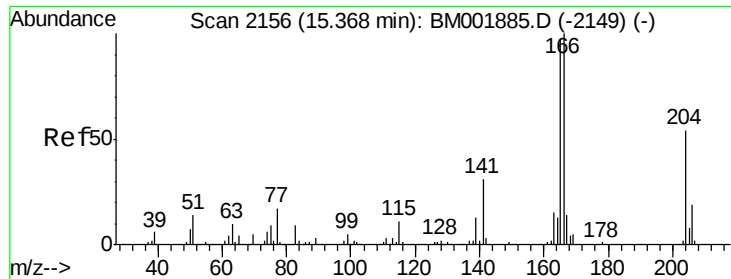
Tgt Ion:168 Resp: 36758

Ion Ratio Lower Upper

168 100

139 37.0 30.1 45.1





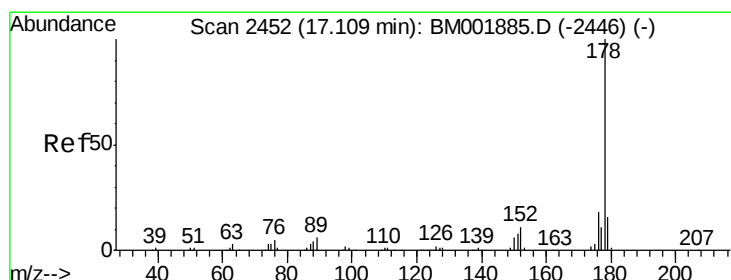
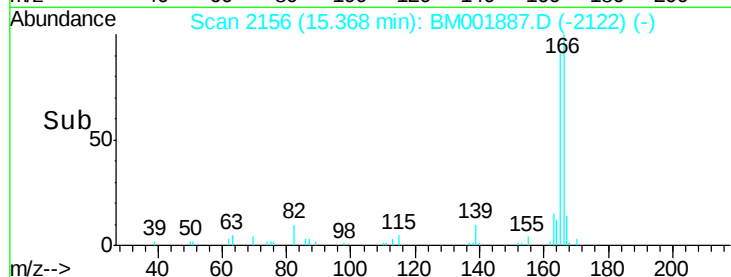
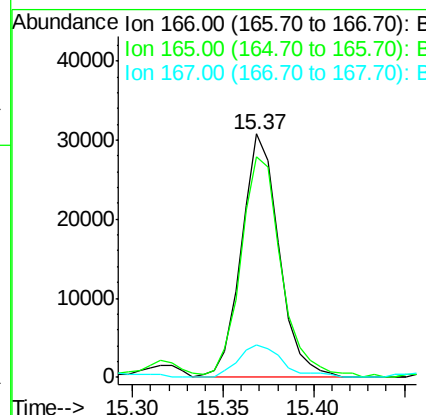
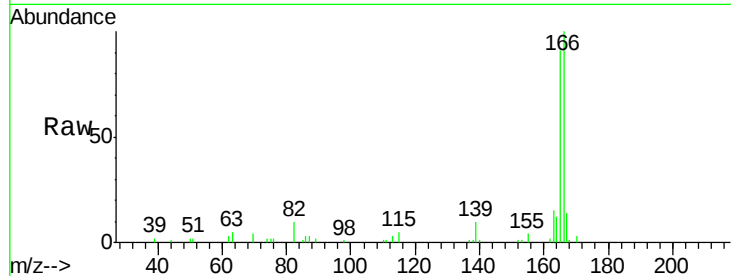
#58
 Fluorene
 Concen: 7.72 ng/ul
 RT: 15.37 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: BM001887.D
 Acq: 09 Jul 2015 16:51

Instrument :
 BNA_M
 ClientSampleId :
 G93H9

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.5	77.4	116.2
167	13.5	11.3	16.9

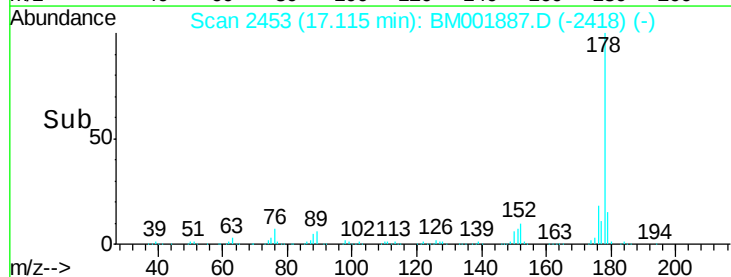
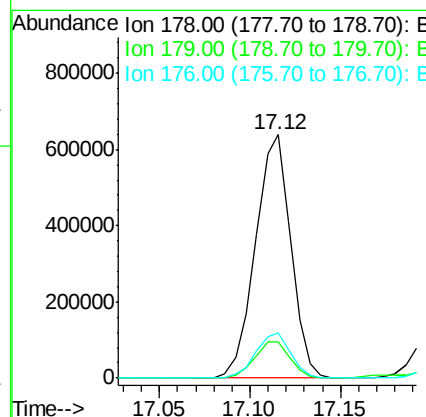
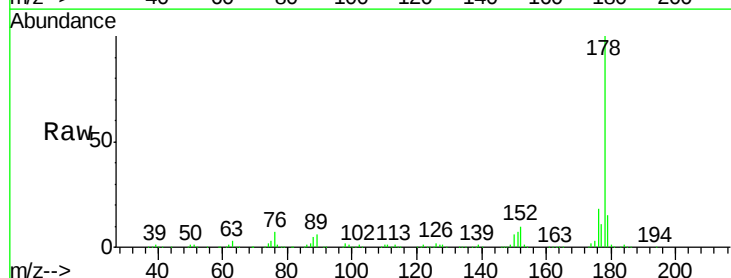
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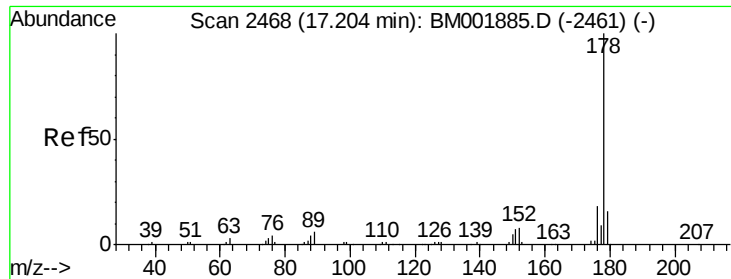
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#69
 Phenanthrene
 Concen: 94.93 ng/ul
 RT: 17.12 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BM001887.D
 Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.9	17.9
176	18.4	15.2	22.8





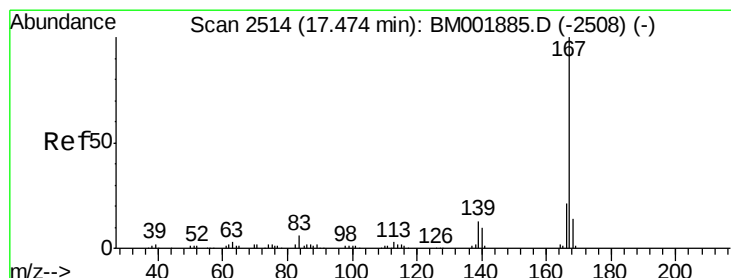
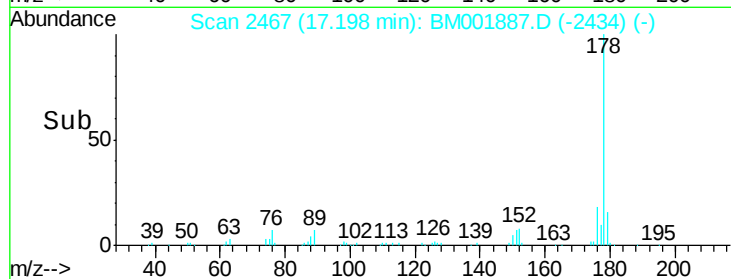
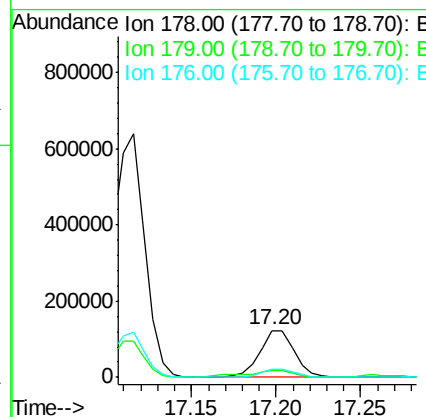
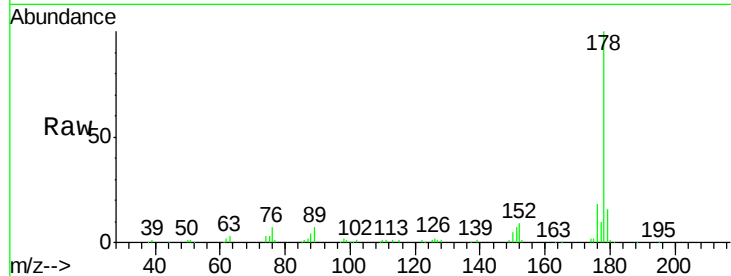
#71
 Anthracene
 Concen: 18.88 ng/ul
 RT: 17.20 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BM001887.D
 Acq: 09 Jul 2015 16:51

Instrument :
 BNA_M
 ClientSampleId :
 G93H9

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	176853		
179	15.6		11.8	17.8
176	17.6		14.4	21.6

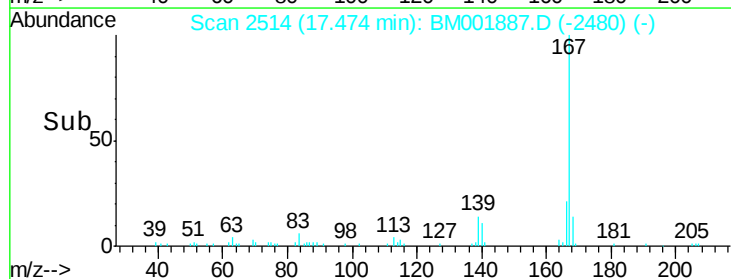
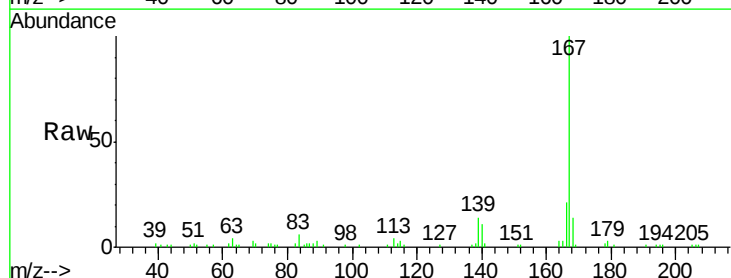
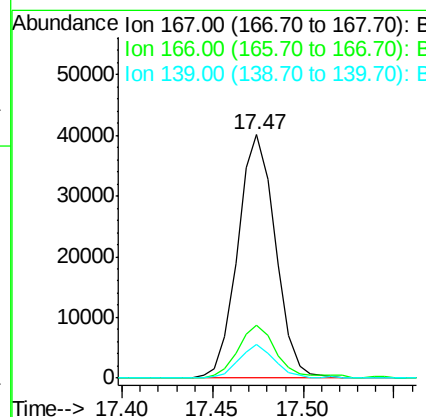
Manual Integrations
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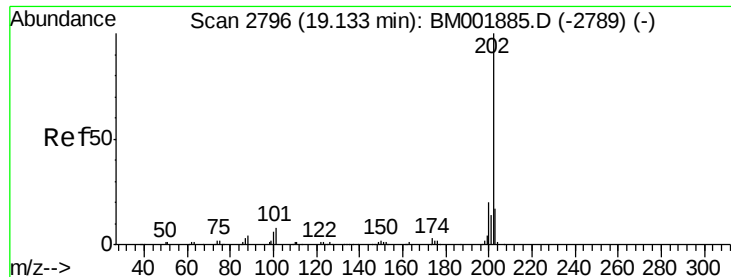
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#74
 Carbazole
 Concen: 7.04 ng/ul
 RT: 17.47 min Scan# 2514
 Delta R.T. 0.00 min
 Lab File: BM001887.D
 Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	57857		
166	21.5		17.4	26.2
139	14.1		10.1	15.1





#76

Fluoranthene

Concen: 136.31 ng/ul

RT: 19.14 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Instrument :

BNA_M

ClientSampleId :

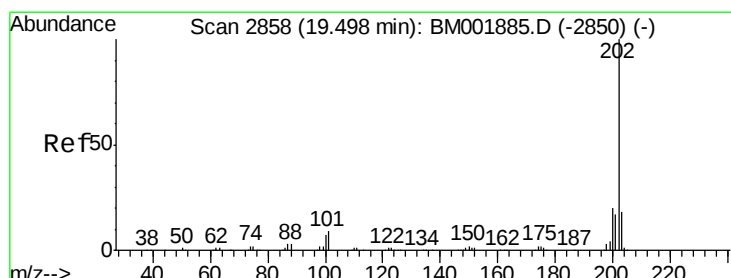
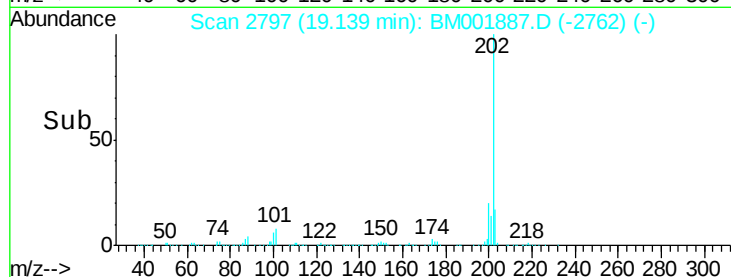
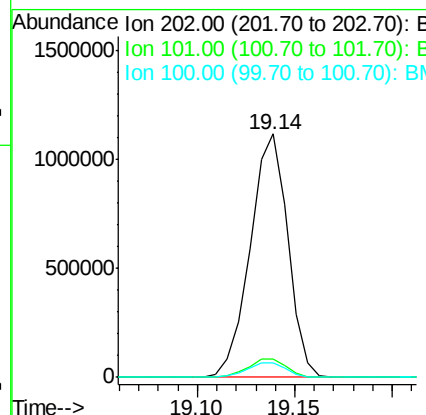
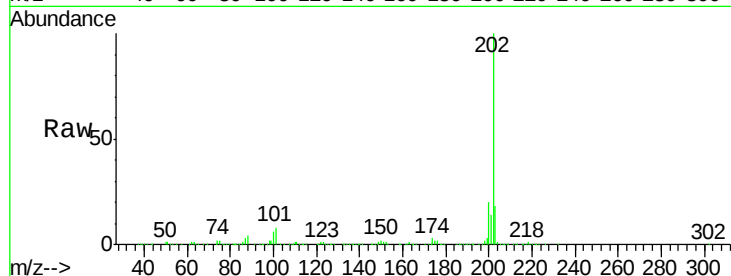
G93H9

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Tgt	Ion	Ratio	Lower	Upper
202	100			
101	7.7	6.1	9.1	
100	6.2	4.8	7.2	



#79

Pyrene

Concen: 137.65 ng/ul

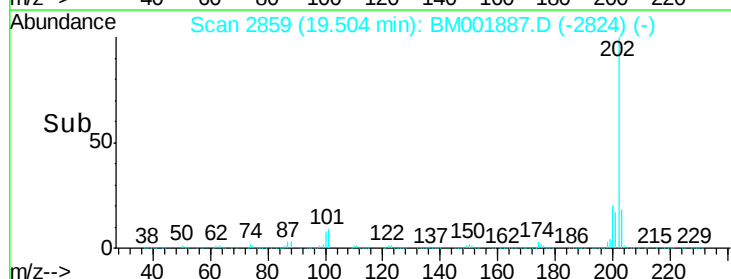
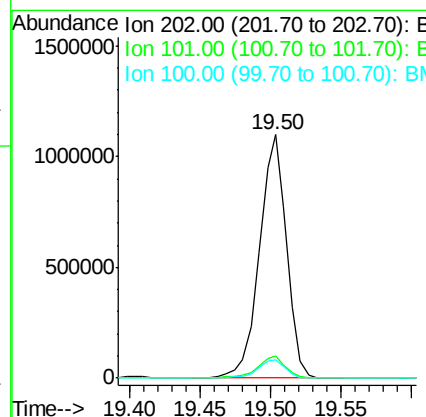
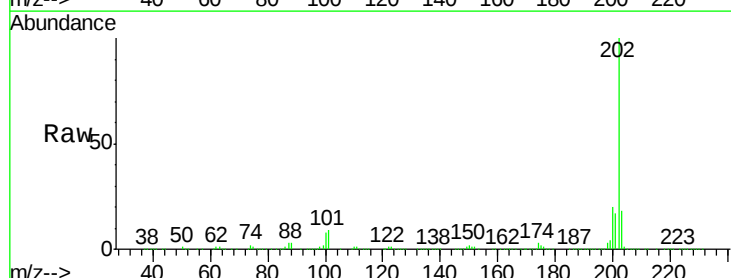
RT: 19.50 min Scan# 2859

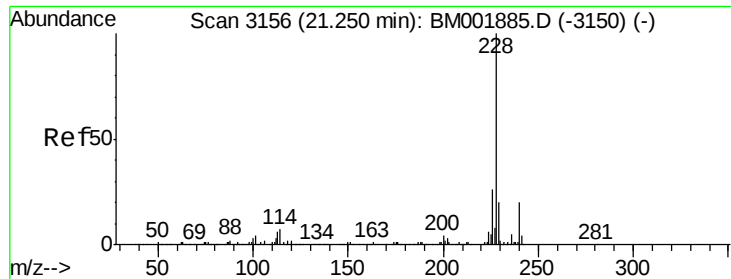
Delta R.T. 0.01 min

Lab File: BM001887.D

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Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.1	6.9	10.3	
100	7.7	6.2	9.2	





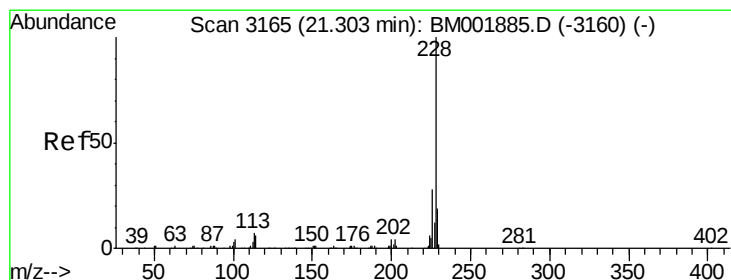
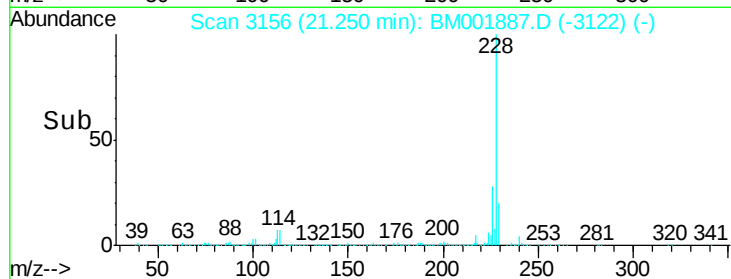
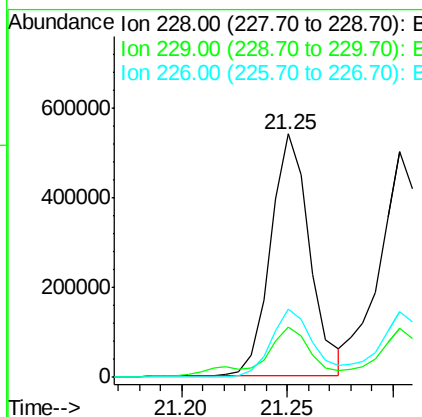
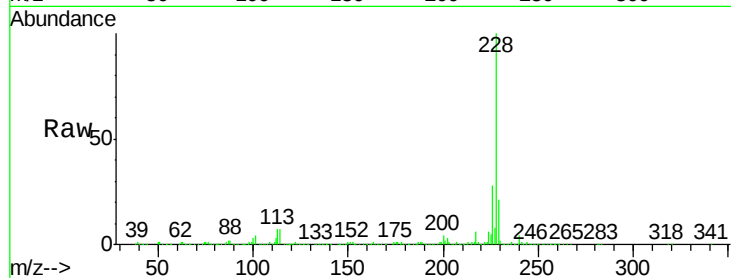
#82
Benzo(a)anthracene
Concen: 62.18 ng/ul
RT: 21.25 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Instrument :
BNA_M
ClientSampleId :
G93H9

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	701224		
229	20.5	15.4	23.0	
226	27.8	20.6	30.8	

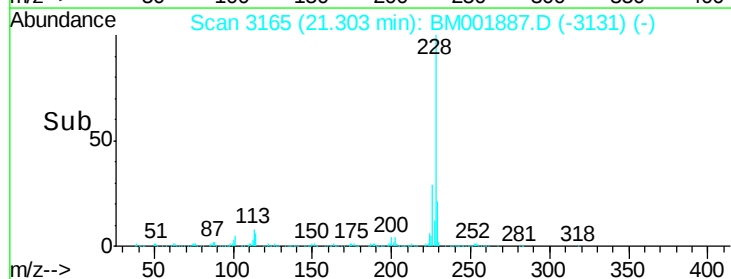
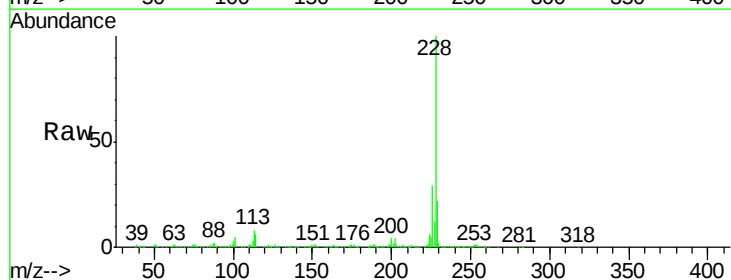
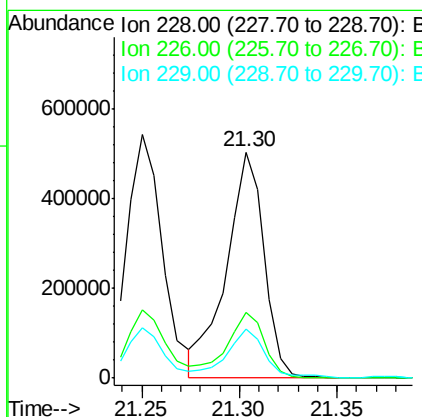
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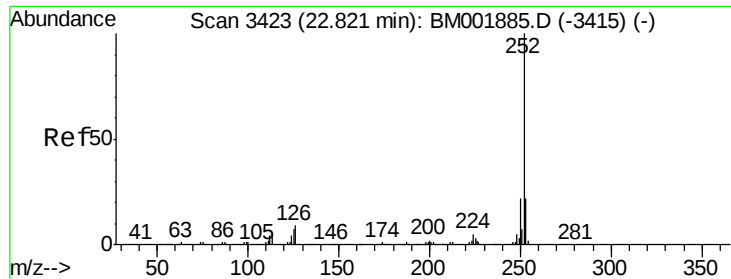
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#84
Chrysene
Concen: 62.88 ng/ul
RT: 21.30 min Scan# 3165
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	672153		
226	29.2	23.0	34.4	
229	21.6	15.4	23.2	





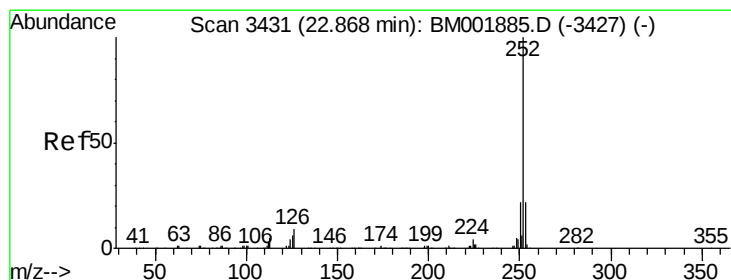
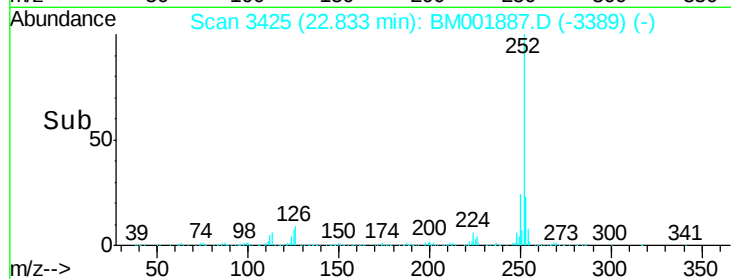
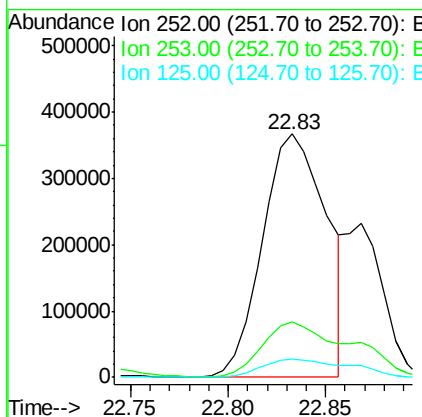
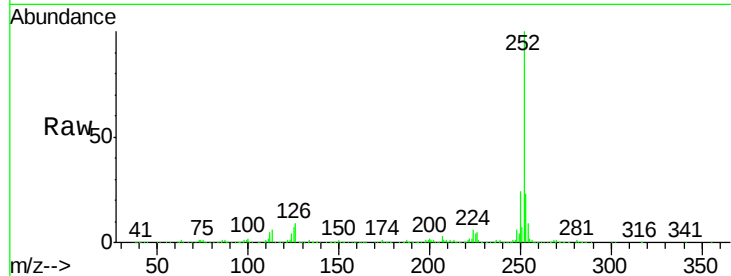
#87
Benzo(b)fluoranthene
Concen: 71.11 ng/ul
RT: 22.83 min Scan# 3425
Delta R.T. 0.01 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Instrument :
BNA_M
ClientSampleId :
G93H9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	830049		
253	23.0		17.8	26.6
125	7.4		5.3	7.9

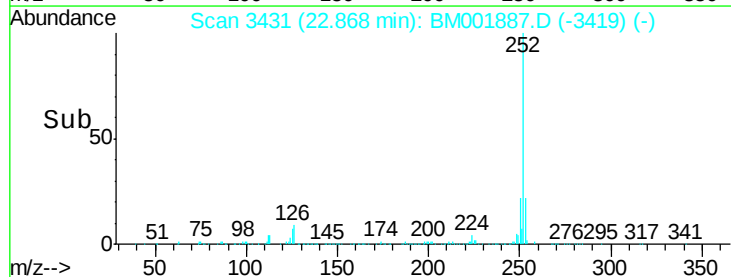
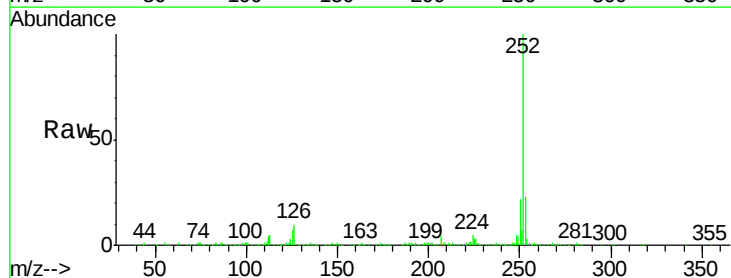
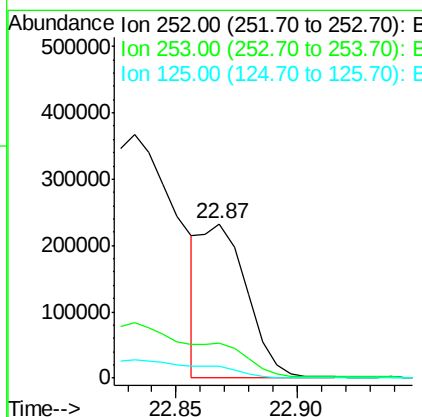
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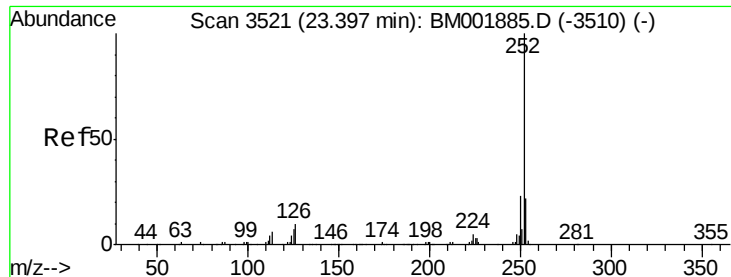
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#88
Benzo(k)fluoranthene
Concen: 26.94 ng/ul m
RT: 22.87 min Scan# 3431
Delta R.T. 0.00 min
Lab File: BM001887.D
Acq: 09 Jul 2015 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	303884		
253	22.6		17.1	25.7
125	7.4		5.3	7.9





#90

Benzo(a)pyrene

Concen: 54.55 ng/ul

RT: 23.40 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Instrument :

BNA_M

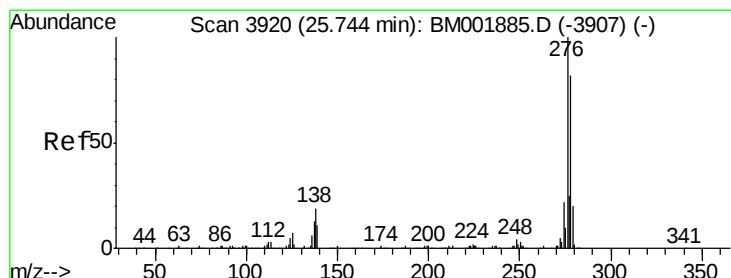
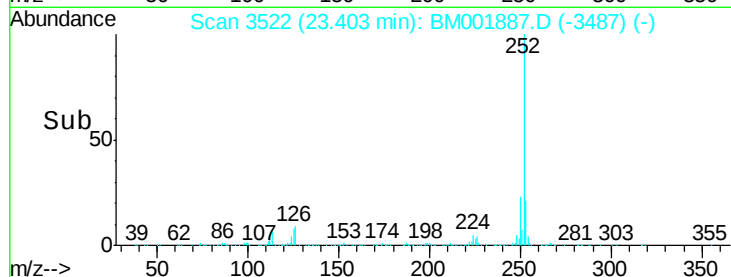
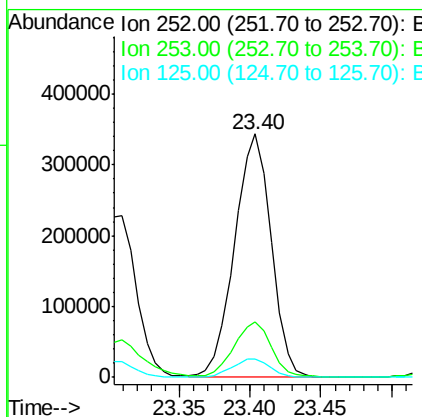
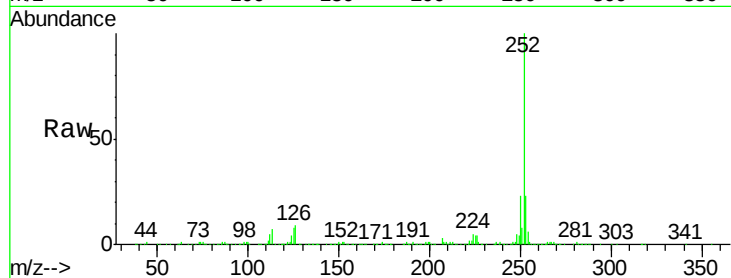
ClientSampleId :

G93H9

Tgt Ion:	252	Resp:	619422
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	7.7	6.0	9.0

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#91

Indeno(1,2,3-cd)pyrene

Concen: 31.89 ng/ul

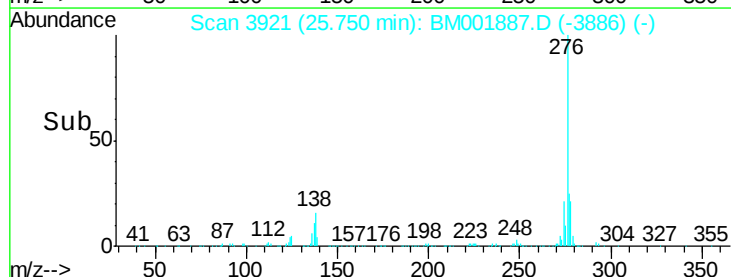
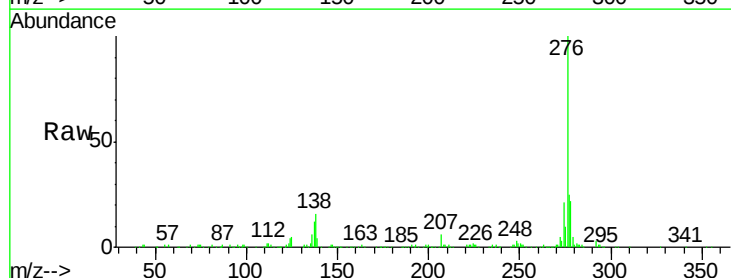
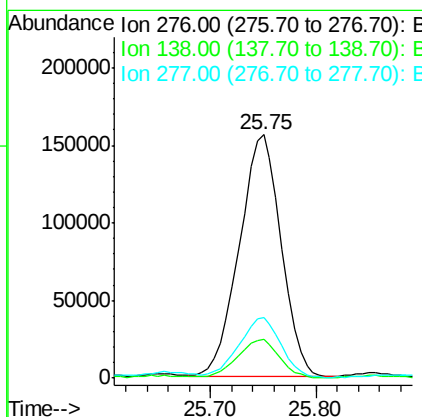
RT: 25.75 min Scan# 3921

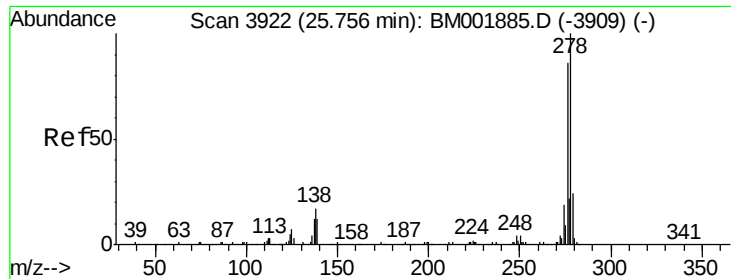
Delta R.T. 0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Tgt Ion:	276	Resp:	429448
Ion Ratio	Lower	Upper	
276	100		
138	16.2	14.7	22.1
277	24.8	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 9.03 ng/ul

RT: 25.75 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Instrument :

BNA_M

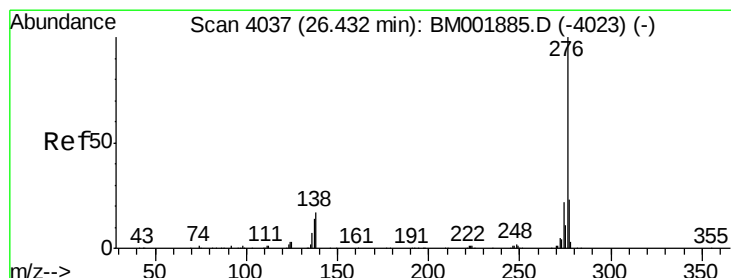
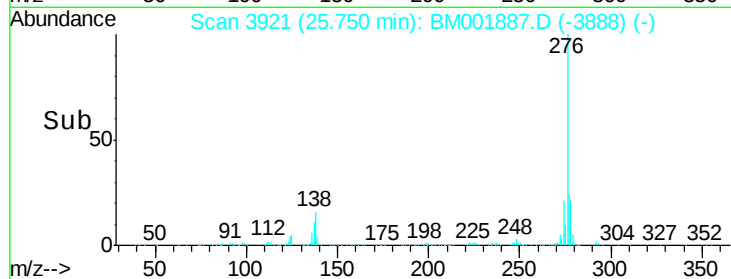
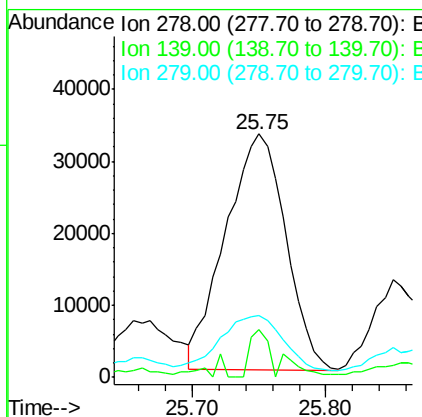
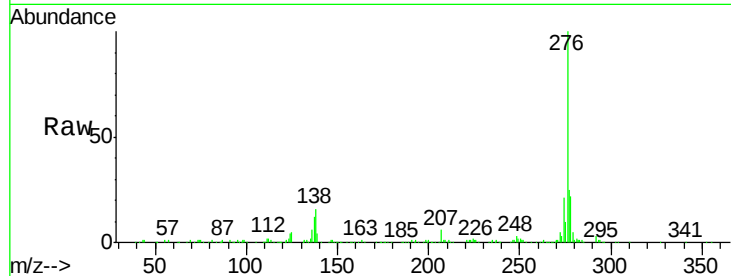
ClientSampleId :

G93H9

Tgt Ion:	278	Resp:	102624
Ion Ratio	Lower	Upper	
278	100		
139	19.4	9.2	13.8#
279	25.4	19.1	28.7

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#93

Benzo(g,h,i)perylene

Concen: 17.75 ng/ul

RT: 26.44 min Scan# 4038

Delta R.T. 0.01 min

Lab File: BM001887.D

Acq: 09 Jul 2015 16:51

Tgt Ion:	276	Resp:	200974
Ion Ratio	Lower	Upper	
276	100		
138	15.9	12.6	19.0
277	25.9	18.7	28.1

