

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070815\
 Data File : BM001880.D
 Acq On : 08 Jul 2015 14:41
 Operator : TP/UM
 Sample : G2861-14DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93L8DL

Manual Integrations
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Quant Time: Jul 09 04:18:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 09 04:09:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	60946	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	235810	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	140548	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	323292	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	388857	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	404317	20.00	ng/ul	0.00

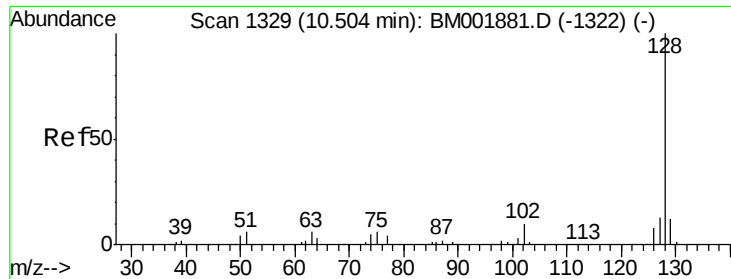
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	5826	1.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3136	1.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	4933	1.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	4210	1.12	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	2045	1.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	2454	1.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	4778	1.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	4282	1.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	13835	1.33	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	17526	1.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	1491	0.78	ng/ul	0.00
57) Fluorene-d10	15.32	176	13671	1.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	1264	0.64	ng/ul	0.00
70) Anthracene-d10	17.17	188	20103	1.33	ng/ul	0.00
78) Pyrene-d10	19.47	212	22032	1.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	24357	1.37	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	103835	8.72	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	35163	4.08	ng/ul	99
40) 1,1'-Biphenyl	13.15	154	14495	1.26	ng/ul	99
47) Acenaphthylene	14.04	152	56126	4.03	ng/ul	98
49) Acenaphthene	14.39	153	14434	1.55	ng/ul	93
53) Dibenzofuran	14.72	168	43973	3.30	ng/ul	96
58) Fluorene	15.37	166	61215	5.52	ng/ul	98
69) Phenanthrene	17.11	178	520055	29.67	ng/ul	99
71) Anthracene	17.20	178	112250	6.24	ng/ul	99
74) Carbazole	17.47	167	22511	1.43	ng/ul	95
76) Fluoranthene	19.13	202	522125	24.90	ng/ul	99
79) Pyrene	19.50	202	489681	22.70	ng/ul	100
82) Benzo(a)anthracene	21.25	228	198817	8.75	ng/ul	97
84) Chrysene	21.30	228	168338	7.82	ng/ul	97
87) Benzo(b)fluoranthene	22.83	252	236544	10.05	ng/ul	99
88) Benzo(k)fluoranthene	22.87	252	71054m	3.12	ng/ul	
90) Benzo(a)pyrene	23.40	252	181996	7.95	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.74	276	122983	4.53	ng/ul	97
92) Dibenzo(a,h)anthracene	25.74	278	26035	1.14	ng/ul#	84
93) Benzo(g,h,i)perylene	26.43	276	120642	5.28	ng/ul	99

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



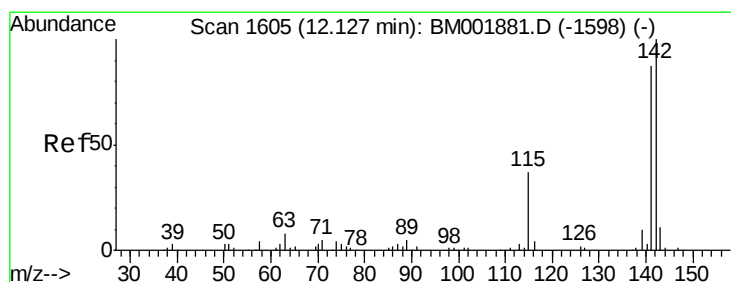
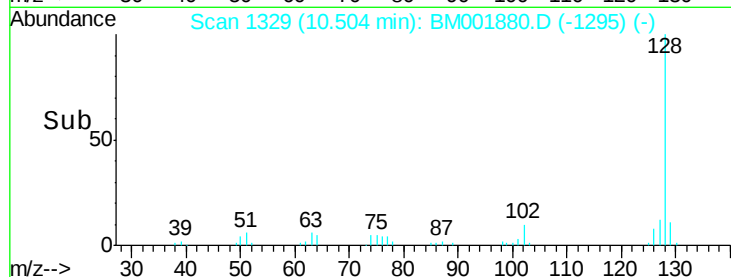
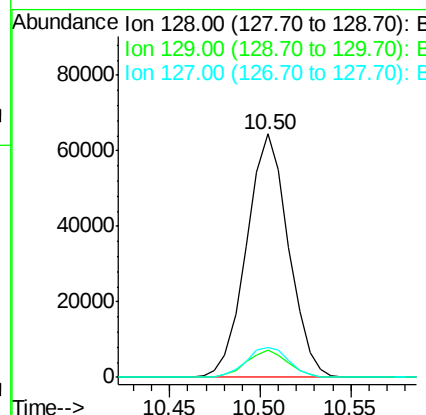
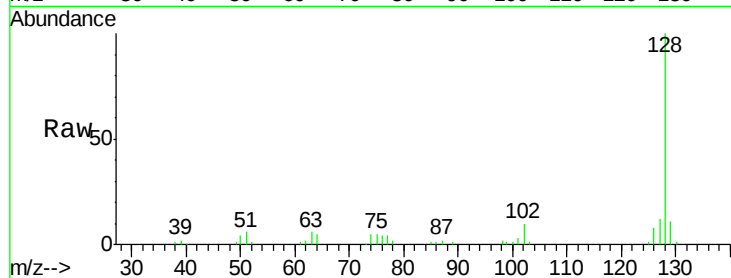
#28
Naphthalene
Concen: 8.72 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM001880.D
Acq: 08 Jul 2015 14:41

Instrument :
BNA_M
ClientSampleId :
G93L8DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	103835		
129	11.2	8.7	13.1	
127	12.2	10.0	15.0	

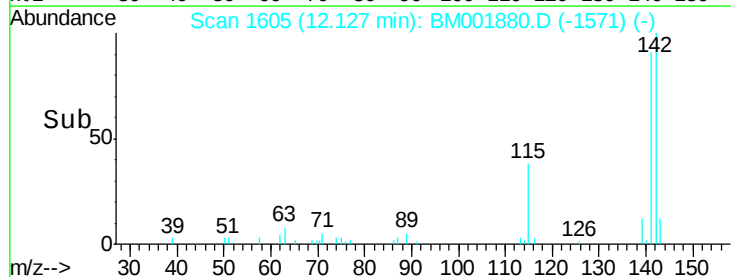
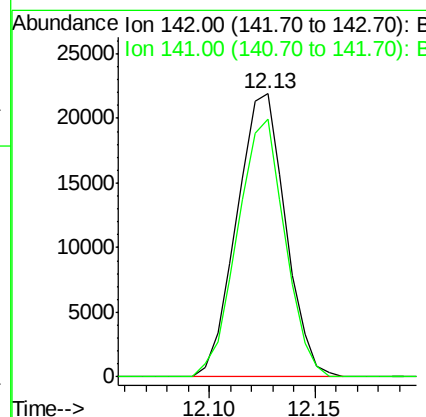
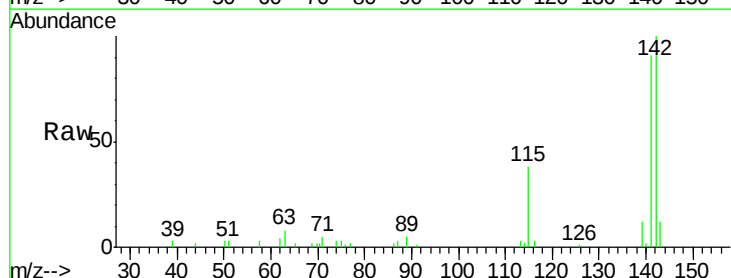
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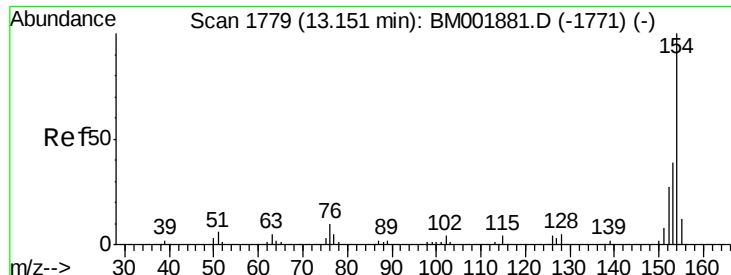
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#34
2-Methylnaphthalene
Concen: 4.08 ng/ul
RT: 12.13 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BM001880.D
Acq: 08 Jul 2015 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	35163		
141	90.9	71.6	107.4	





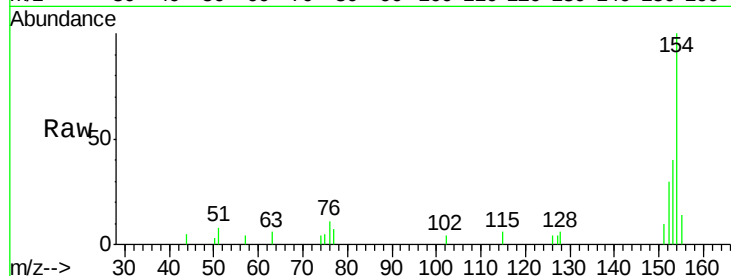
#40
 1,1'-Biphenyl
 Concen: 1.26 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Instrument :
 BNA_M
 ClientSampleId :
 G93L8DL

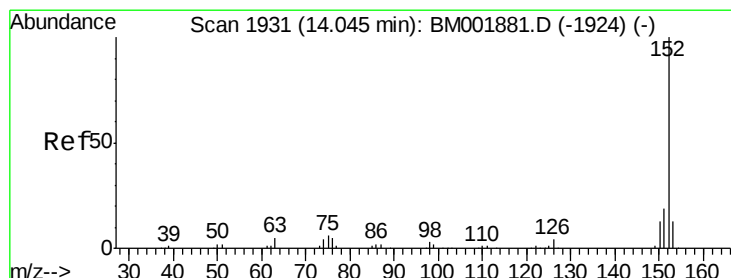
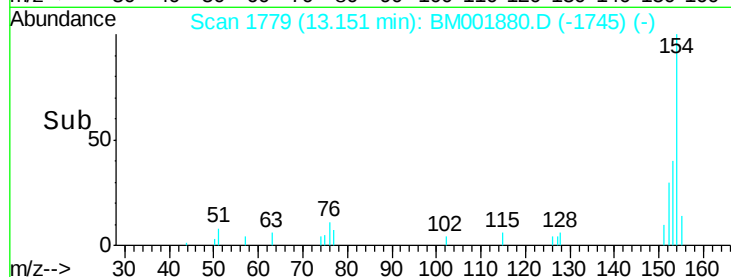
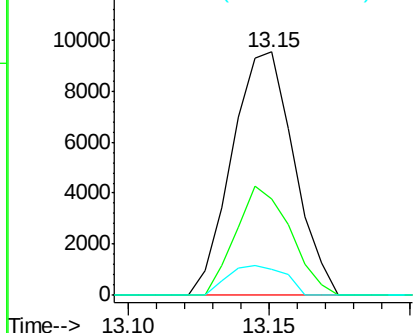
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	14495		
153	39.8	32.5	48.7	
76	10.7	9.0	13.6	

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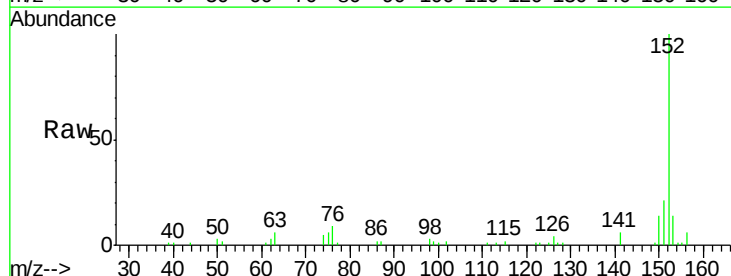


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

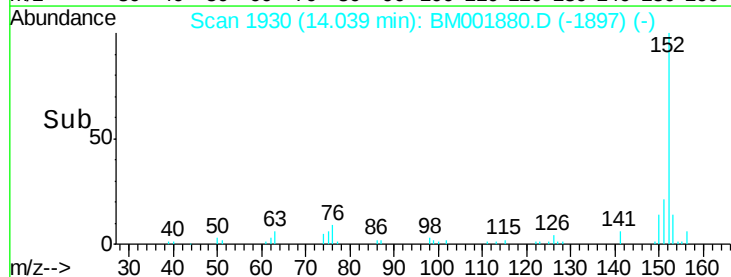
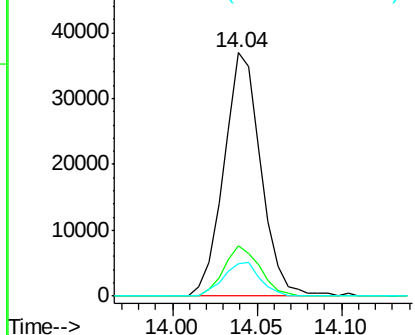


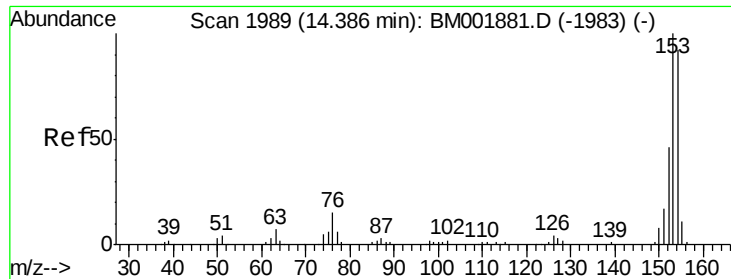
#47
 Acenaphthylene
 Concen: 4.03 ng/ul
 RT: 14.04 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	56126		
151	20.6	15.9	23.9	
153	13.5	10.0	15.0	



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.55 ng/ul

RT: 14.39 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BM001880.D

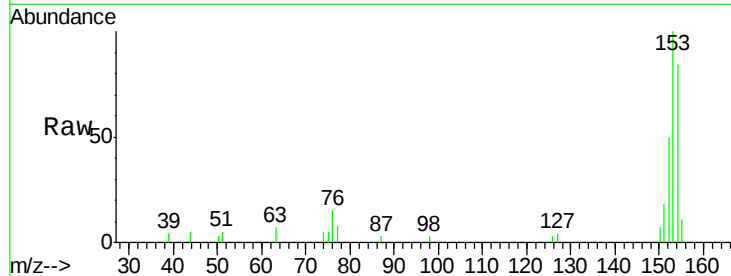
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Instrument :

BNA_M

ClientSampleId :

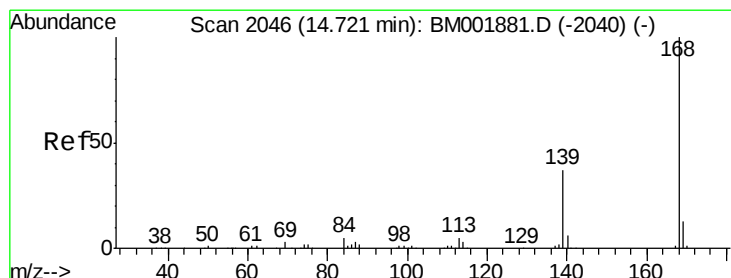
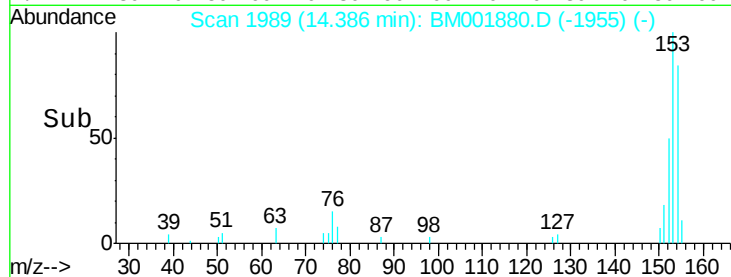
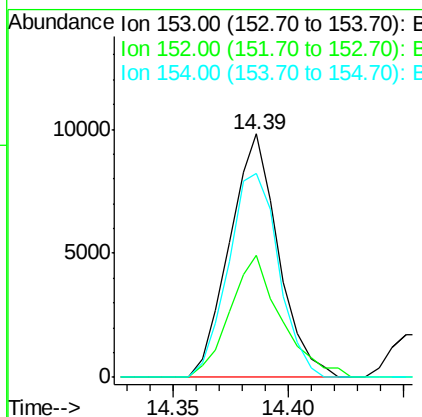
G93L8DL



Tgt Ion:	153	Resp:	14434
Ion Ratio	Lower	Upper	
153	100		
152	50.3	36.6	55.0
154	83.7	72.6	108.8

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#53

Dibenzofuran

Concen: 3.30 ng/ul

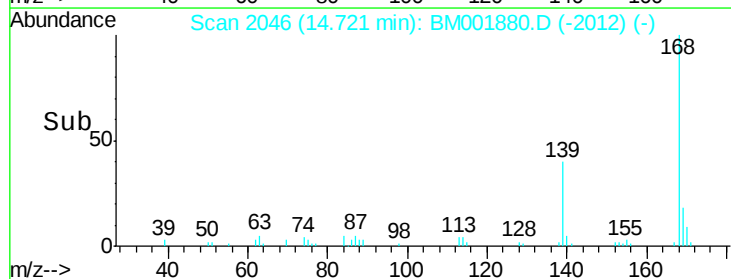
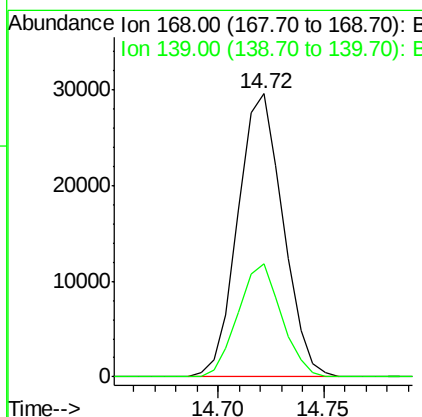
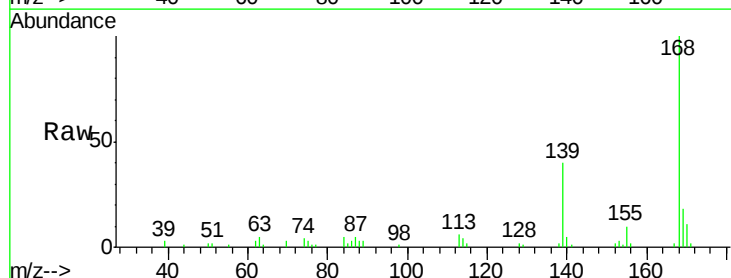
RT: 14.72 min Scan# 2046

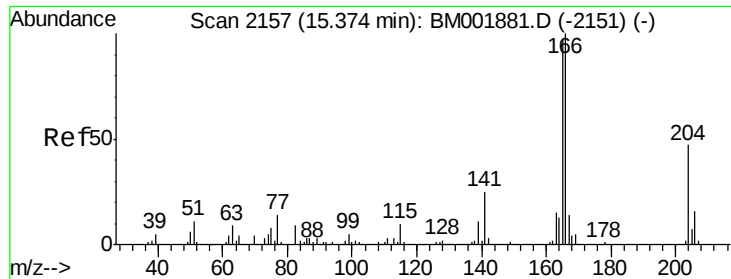
Delta R.T. -0.00 min

Lab File: BM001880.D

Acq: 08 Jul 2015 14:41

Tgt Ion:	168	Resp:	43973
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.1	45.1





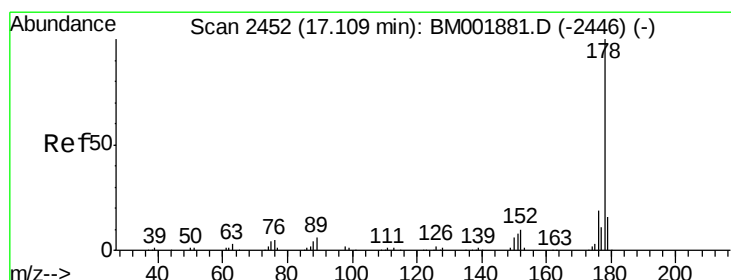
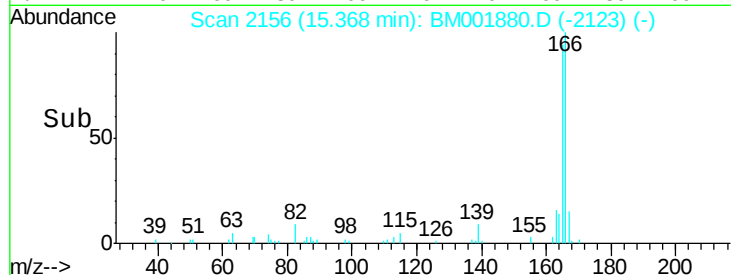
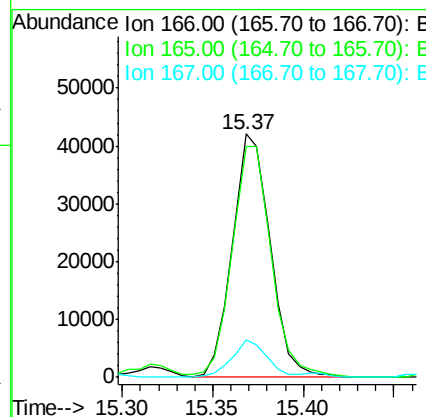
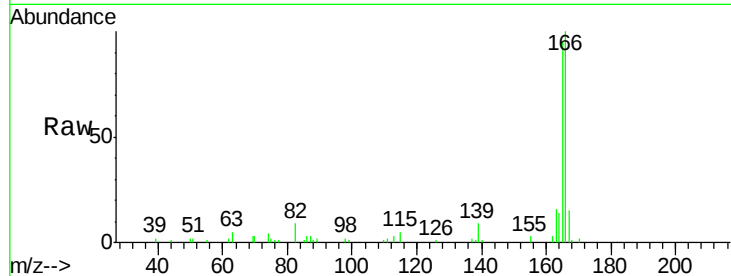
#58
 Fluorene
 Concen: 5.52 ng/ul
 RT: 15.37 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Instrument :
 BNA_M
 ClientSampleId :
 G93L8DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	61215		
165	94.8	77.4	116.2	
167	15.4	11.3	16.9	

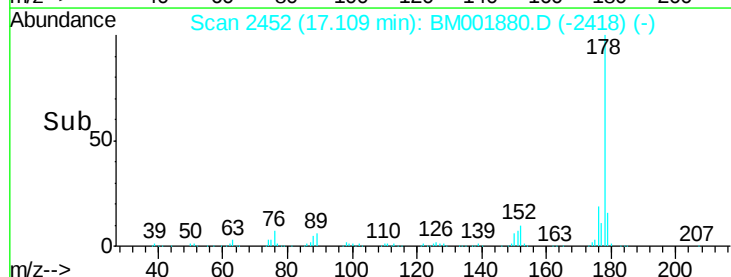
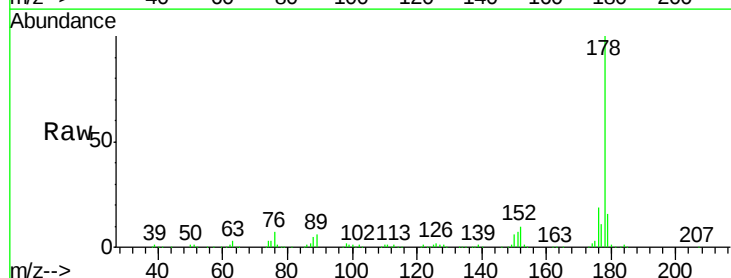
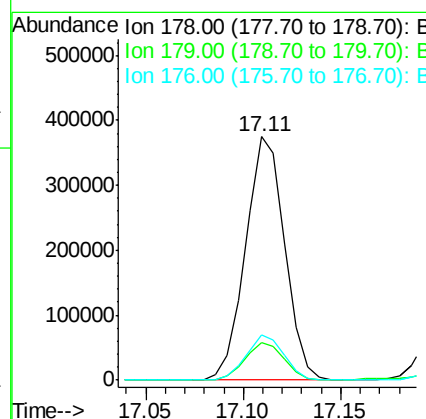
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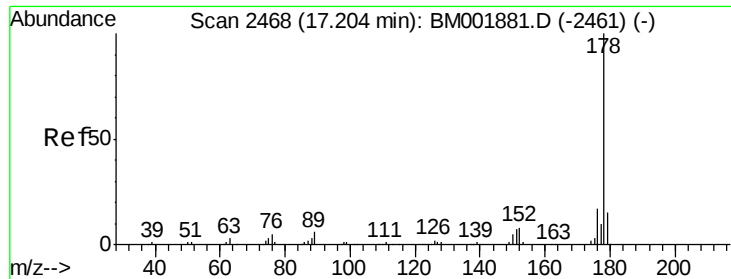
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#69
 Phenanthrene
 Concen: 29.67 ng/ul
 RT: 17.11 min Scan# 2452
 Delta R.T. -0.00 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	520055		
179	15.5	11.9	17.9	
176	18.7	15.2	22.8	





#71

Anthracene

Concen: 6.24 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BM001880.D

Acq: 08 Jul 2015 14:41

Instrument :

BNA_M

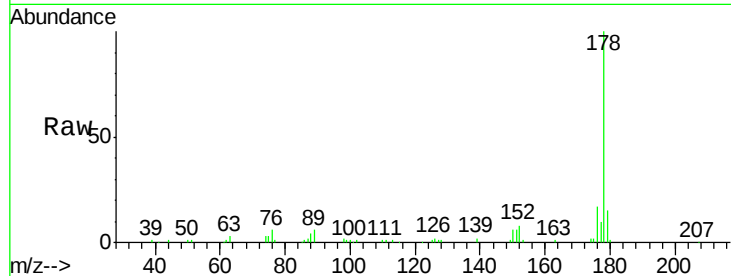
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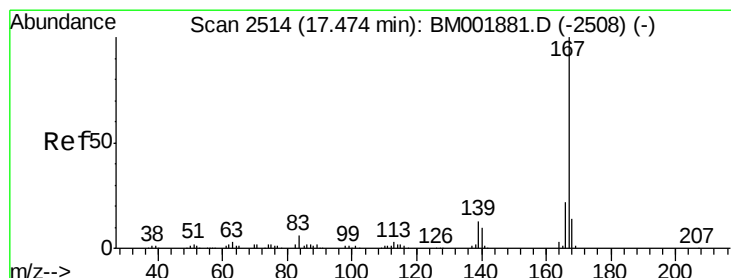
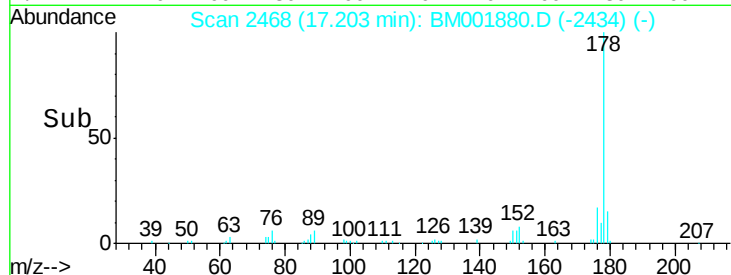
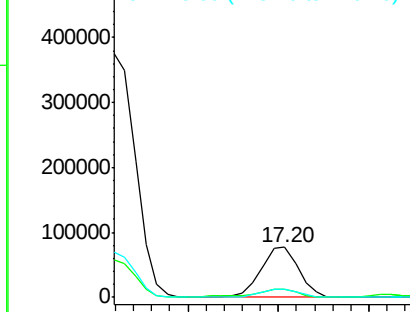
Tgt Ion:	178	Resp:	112250
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.8	17.8
176	17.5	14.4	21.6

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



#74

Carbazole

Concen: 1.43 ng/ul

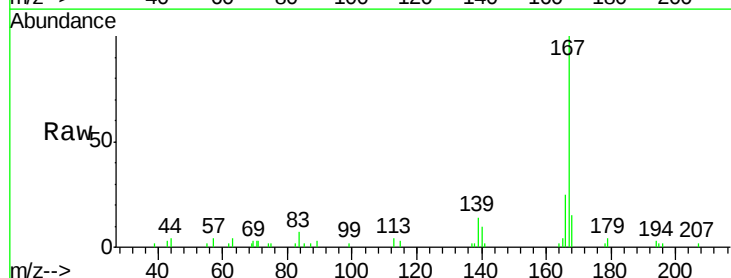
RT: 17.47 min Scan# 2514

Delta R.T. -0.00 min

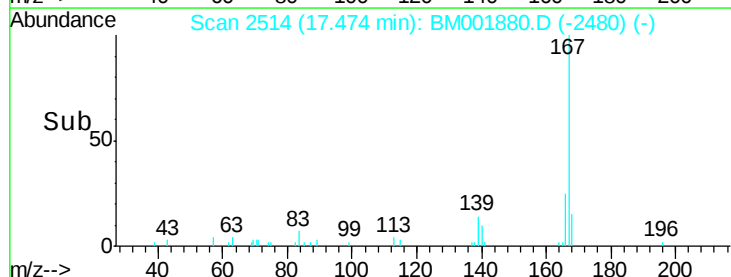
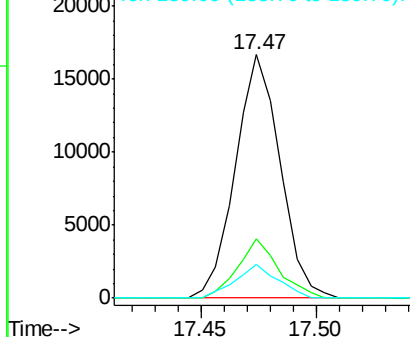
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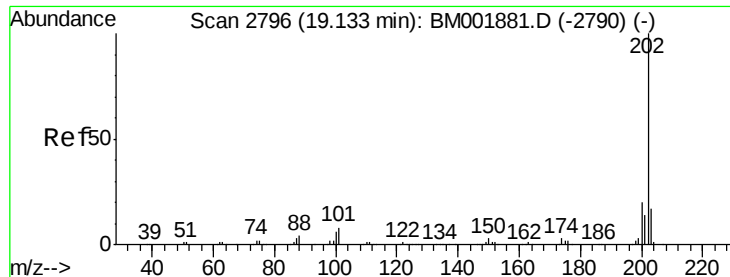
Acq: 08 Jul 2015 14:41

Tgt Ion:	167	Resp:	22511
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.4	26.2
139	13.8	10.1	15.1



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





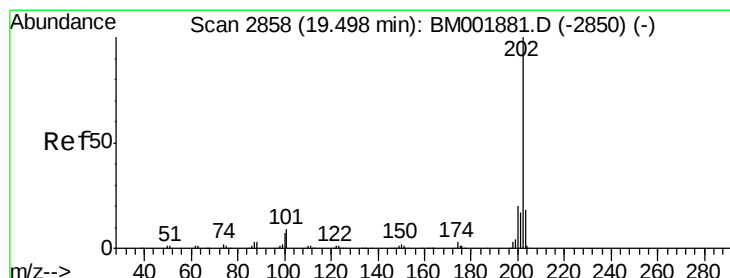
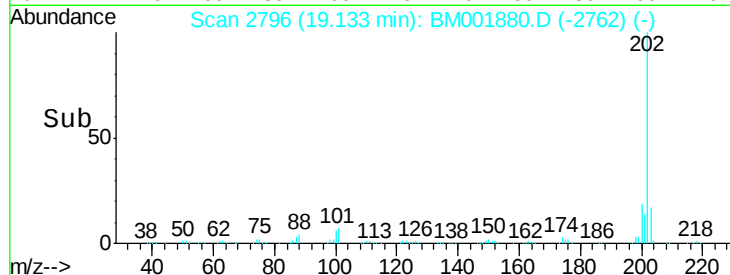
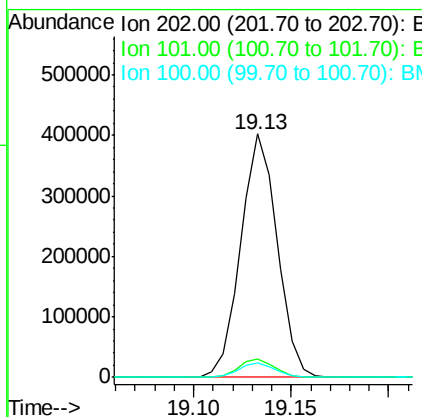
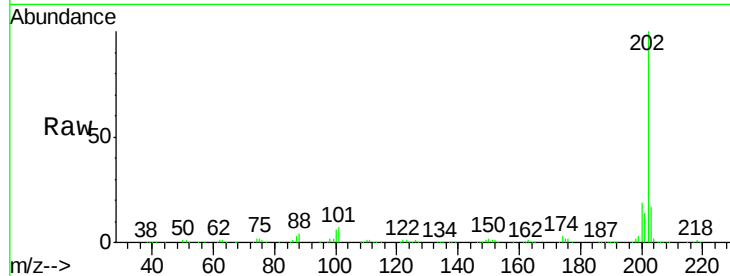
#76
 Fluoranthene
 Concen: 24.90 ng/ul
 RT: 19.13 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Instrument :
 BNA_M
 ClientSampled :
 G93L8DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.4	6.1	9.1
100	5.7	4.8	7.2

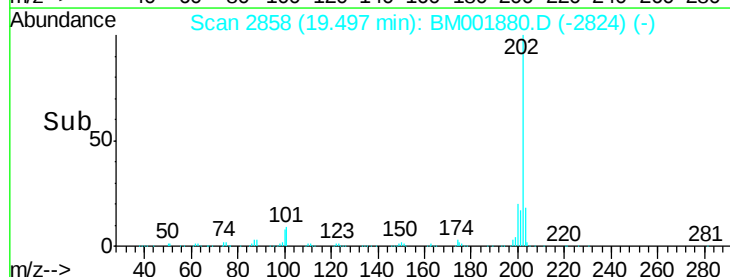
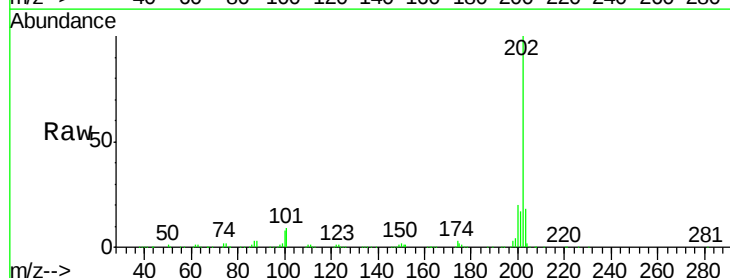
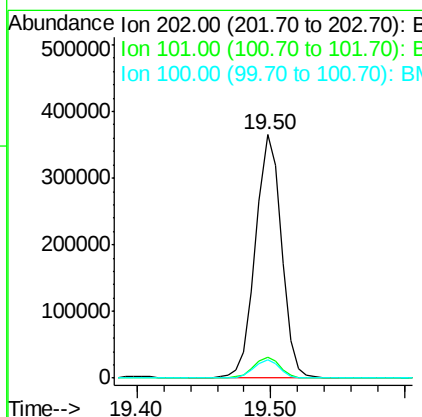
Manual Integrations
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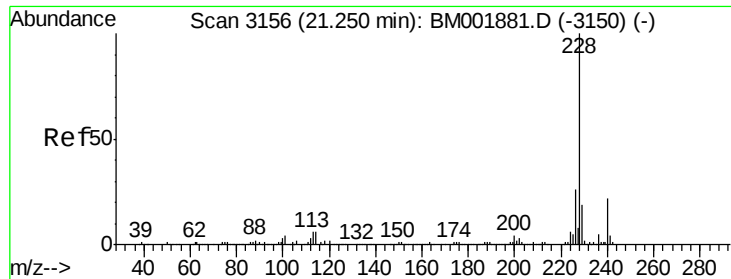
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#79
 Pyrene
 Concen: 22.70 ng/ul
 RT: 19.50 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: BM001880.D
 Acq: 08 Jul 2015 14:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.7	6.9	10.3
100	7.6	6.2	9.2





#82

Benzo(a)anthracene

Concen: 8.75 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BM001880.D

Acq: 08 Jul 2015 14:41

Instrument :

BNA_M

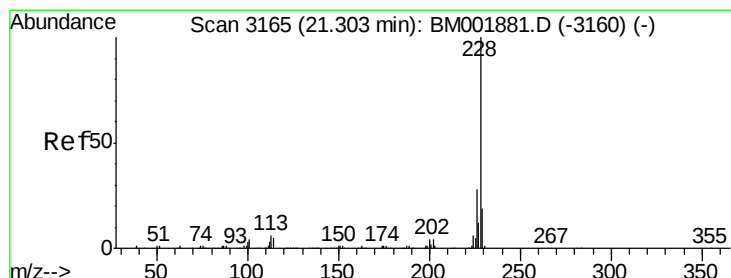
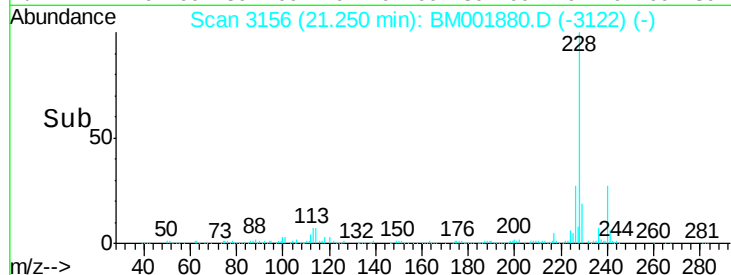
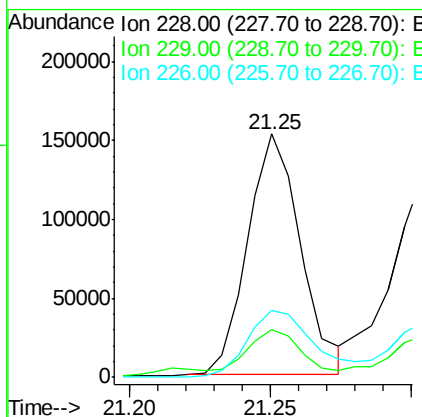
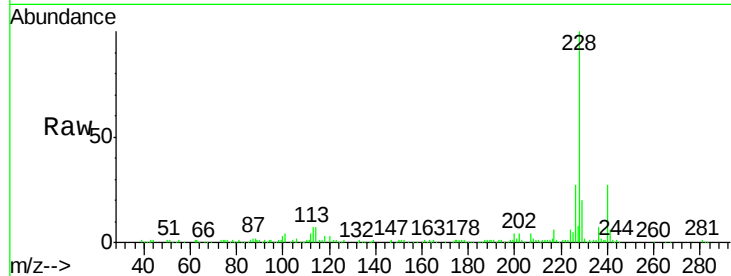
ClientSampleId :

G93L8DL

Tgt	Ion	228	Resp:	198817
Ion	Ratio	Lower	Upper	
228	100			
229	19.8	15.4	23.0	
226	27.5	20.6	30.8	

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#84

Chrysene

Concen: 7.82 ng/ul

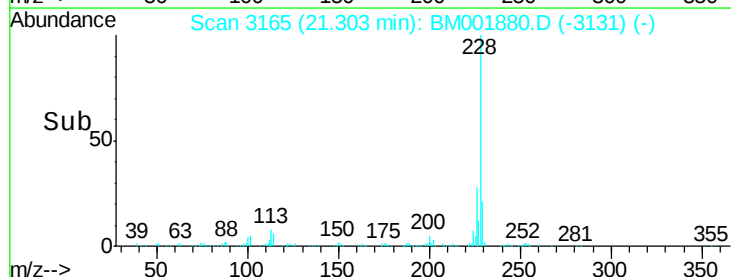
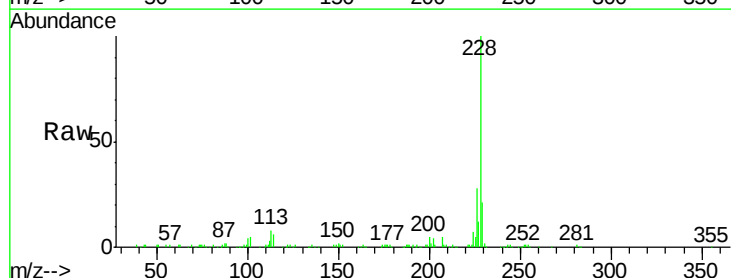
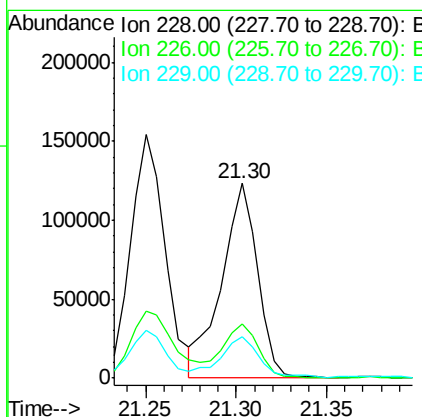
RT: 21.30 min Scan# 3165

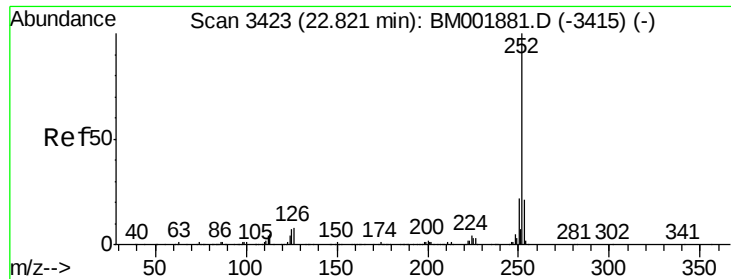
Delta R.T. -0.00 min

Lab File: BM001880.D

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Tgt	Ion	228	Resp:	168338
Ion	Ratio	Lower	Upper	
228	100			
226	27.9	23.0	34.4	
229	21.5	15.4	23.2	





#87

Benzo(b)fluoranthene

Concen: 10.05 ng/ul

RT: 22.83 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM001880.D

Acq: 08 Jul 2015 14:41

Instrument :

BNA_M

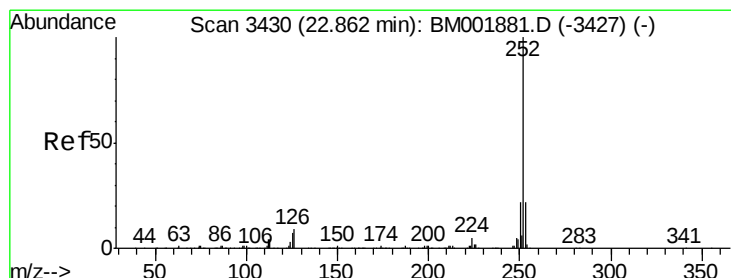
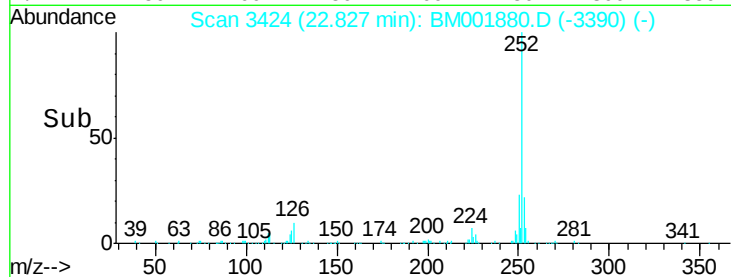
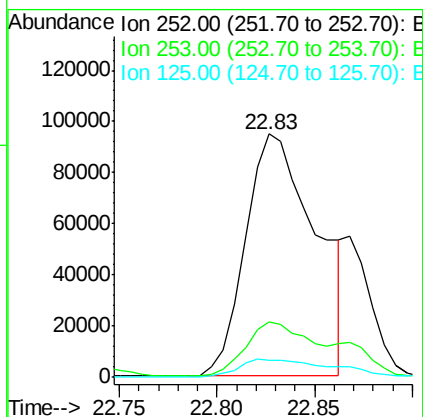
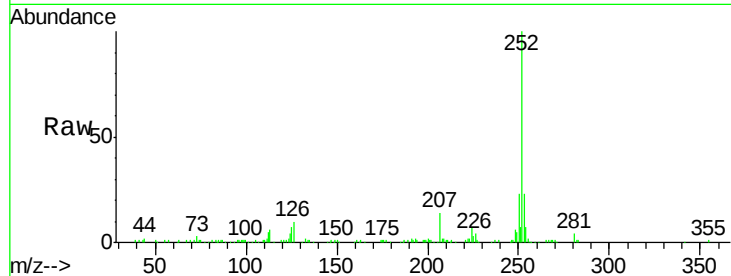
ClientSampleId :

G93L8DL

Tgt Ion:	252	Resp:	236544
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	6.8	5.3	7.9

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#88

Benzo(k)fluoranthene

Concen: 3.12 ng/ul m

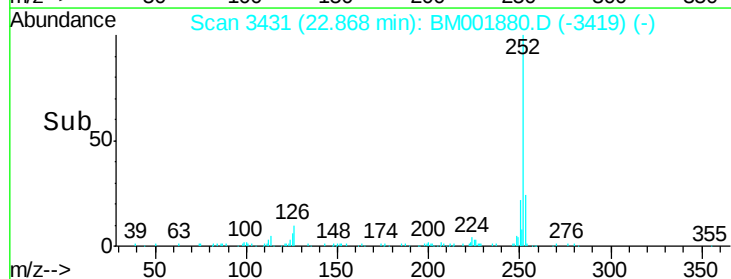
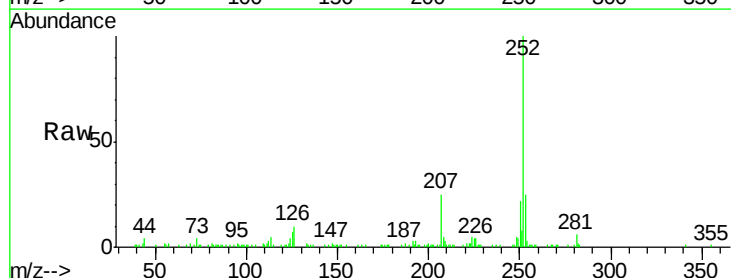
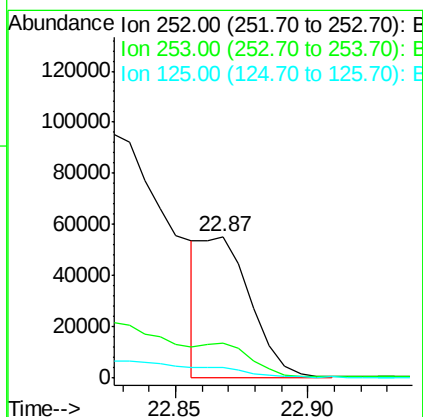
RT: 22.87 min Scan# 3431

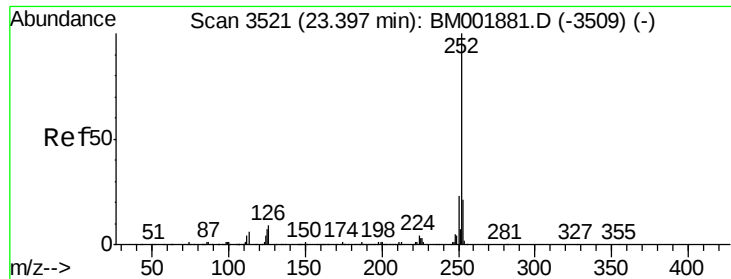
Delta R.T. -0.00 min

Lab File: BM001880.D

Acq: 08 Jul 2015 14:41

Tgt Ion:	252	Resp:	71054
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	7.2	5.3	7.9





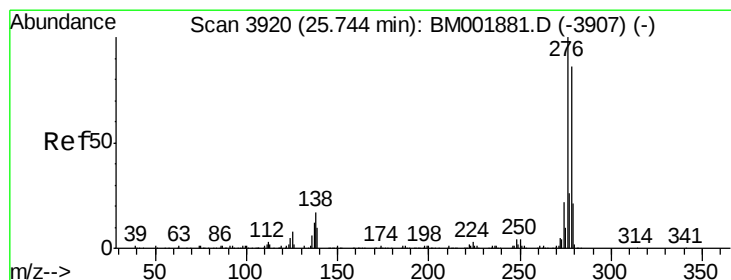
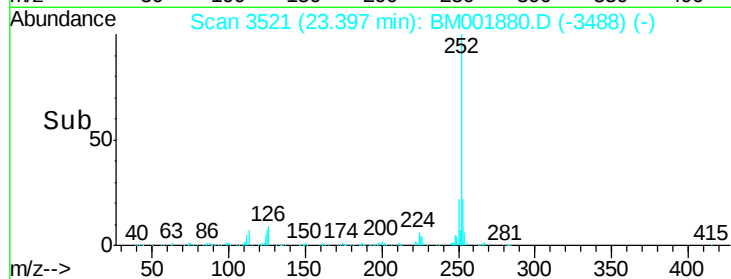
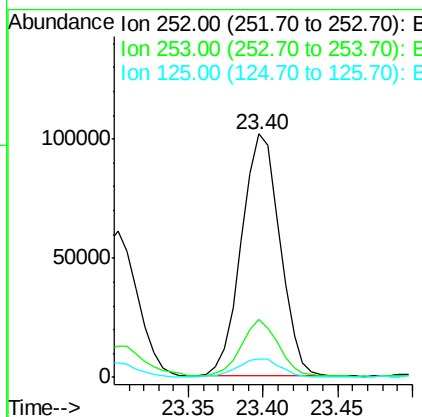
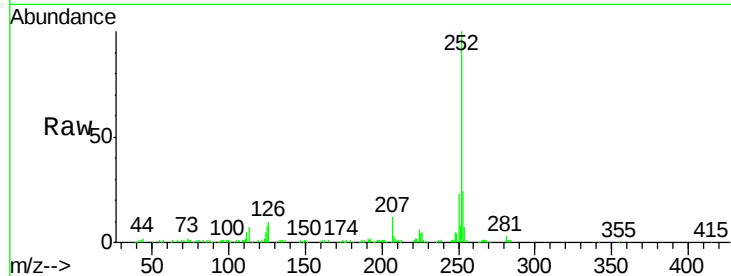
#90
Benzo(a)pyrene
Concen: 7.95 ng/ul
RT: 23.40 min Scan# 3521
Delta R.T. -0.01 min
Lab File: BM001880.D
Acq: 08 Jul 2015 14:41

Instrument :
BNA_M
ClientSampleId :
G93L8DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	181996		
253	23.6	17.4	26.0	
125	7.5	6.0	9.0	

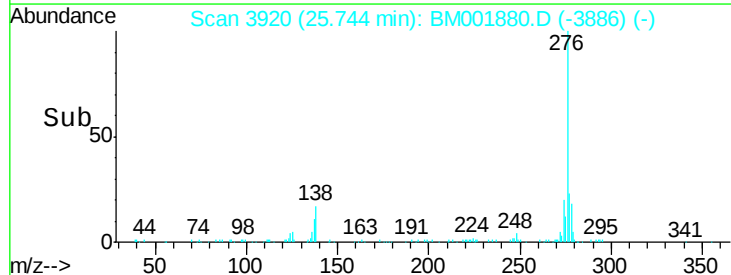
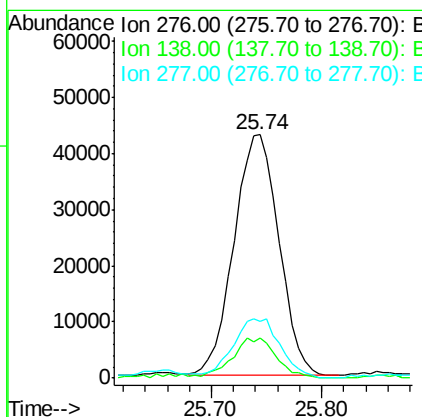
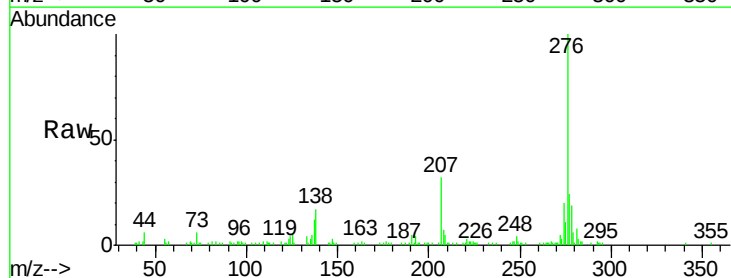
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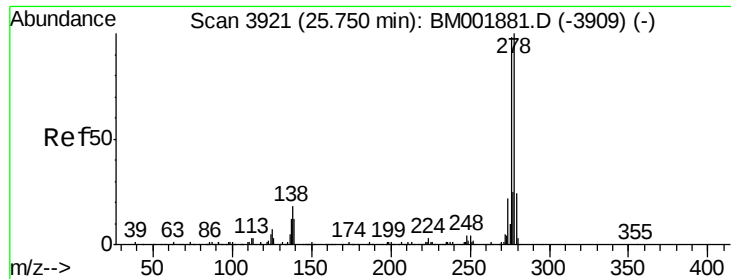
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#91
Indeno(1,2,3-cd)pyrene
Concen: 4.53 ng/ul
RT: 25.74 min Scan# 3920
Delta R.T. -0.00 min
Lab File: BM001880.D
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Tgt Ion	Ratio	Resp	Lower	Upper
276	100	122983		
138	16.6	14.7	22.1	
277	23.5	19.7	29.5	





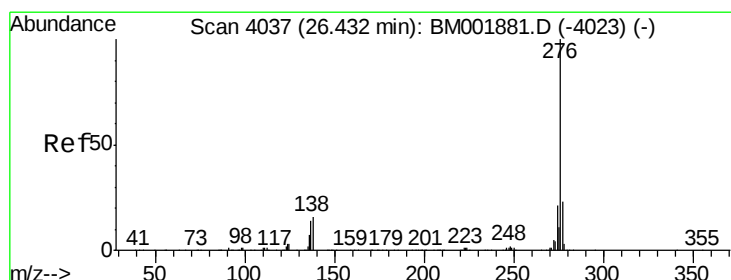
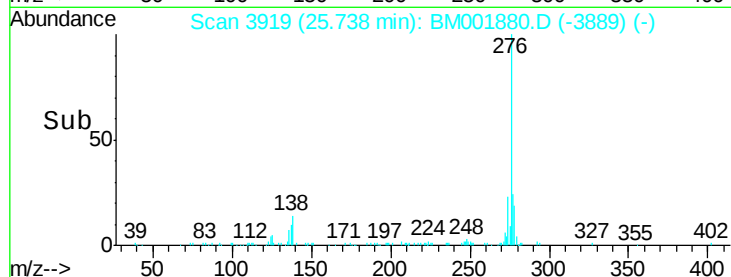
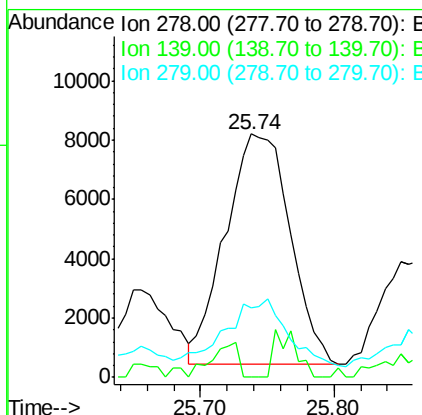
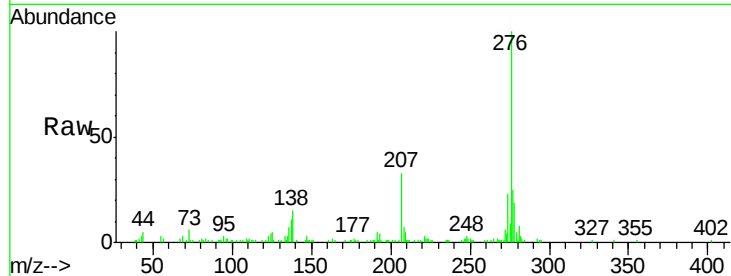
#92
Dibenzo(a,h)anthracene
Concen: 1.14 ng/ul
RT: 25.74 min Scan# 3919
Delta R.T. -0.02 min
Lab File: BM001880.D
Acq: 08 Jul 2015 14:41

Instrument :
BNA_M
ClientSampleId :
G93L8DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.2	13.8#
279	28.3	19.1	28.7

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#93
Benzo(g,h,i)perylene
Concen: 5.28 ng/ul
RT: 26.43 min Scan# 4037
Delta R.T. -0.01 min
Lab File: BM001880.D
Acq: 08 Jul 2015 14:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.6	19.0
277	23.6	18.7	28.1

