

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002180.D
 Acq On : 02 Aug 2015 21:53
 Operator : TP
 Sample : G3073-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L2

Manual Integrations
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 8/3/2015 4:44:38 PM

Quant Time: Aug 03 03:20:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	89312	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	391565	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	241365	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	554755	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	591322	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	500036	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	1737	1.01	ng/uL	0.00
5) Phenol-d5	6.75	99	56931	8.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	29971	8.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	48444	8.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	48509	9.56	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	24325	8.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	26594	8.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	53335	8.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	35105	5.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	161043	9.11	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	203030	9.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	14345	4.86	ng/ul	0.00
58) Fluorene-d10	15.23	176	150246	9.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	3351	0.99	ng/ul	0.00
71) Anthracene-d10	17.08	188	230928	9.33	ng/ul	0.00
79) Pyrene-d10	19.39	212	257166	10.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	225566	9.31	ng/ul	0.02

Target Compounds

					Qvalue	
34) 2-Methylnaphthalene	12.02	142	21654	1.60	ng/ul	94
45) Dimethylphthalate	13.69	163	65557	3.71	ng/ul	98
48) Acenaphthylene	13.94	152	87841	3.85	ng/ul#	92
50) Acenaphthene	14.29	153	29674	1.98	ng/ul	99
54) Dibenzofuran	14.63	168	27401	1.28	ng/ul	90
59) Fluorene	15.28	166	43098	2.43	ng/ul#	95
70) Phenanthrene	17.03	178	836805	29.12	ng/ul	99
72) Anthracene	17.12	178	183346	6.24	ng/ul	99
75) Carbazole	17.39	167	42785	1.71	ng/ul#	92
77) Fluoranthene	19.06	202	1445534	43.57	ng/ul	99
80) Pyrene	19.42	202	1602097	49.79	ng/ul	99
83) Benzo(a)anthracene	21.17	228	709687	21.65	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.10	149	259213	13.78	ng/ul	99
85) Chrysene	21.23	228	675192	22.02	ng/ul	97
88) Benzo(b)fluoranthene	22.74	252	744075	26.48	ng/ul#	93
89) Benzo(k)fluoranthene	22.77	252	236864m	8.74	ng/ul	
91) Benzo(a)pyrene	23.30	252	509612	18.79	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.59	276	304460	9.74	ng/ul	97
93) Dibenzo(a,h)anthracene	25.59	278	84763	3.17	ng/ul#	89
94) Benzo(g,h,i)perylene	26.27	276	290284	11.08	ng/ul	98

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

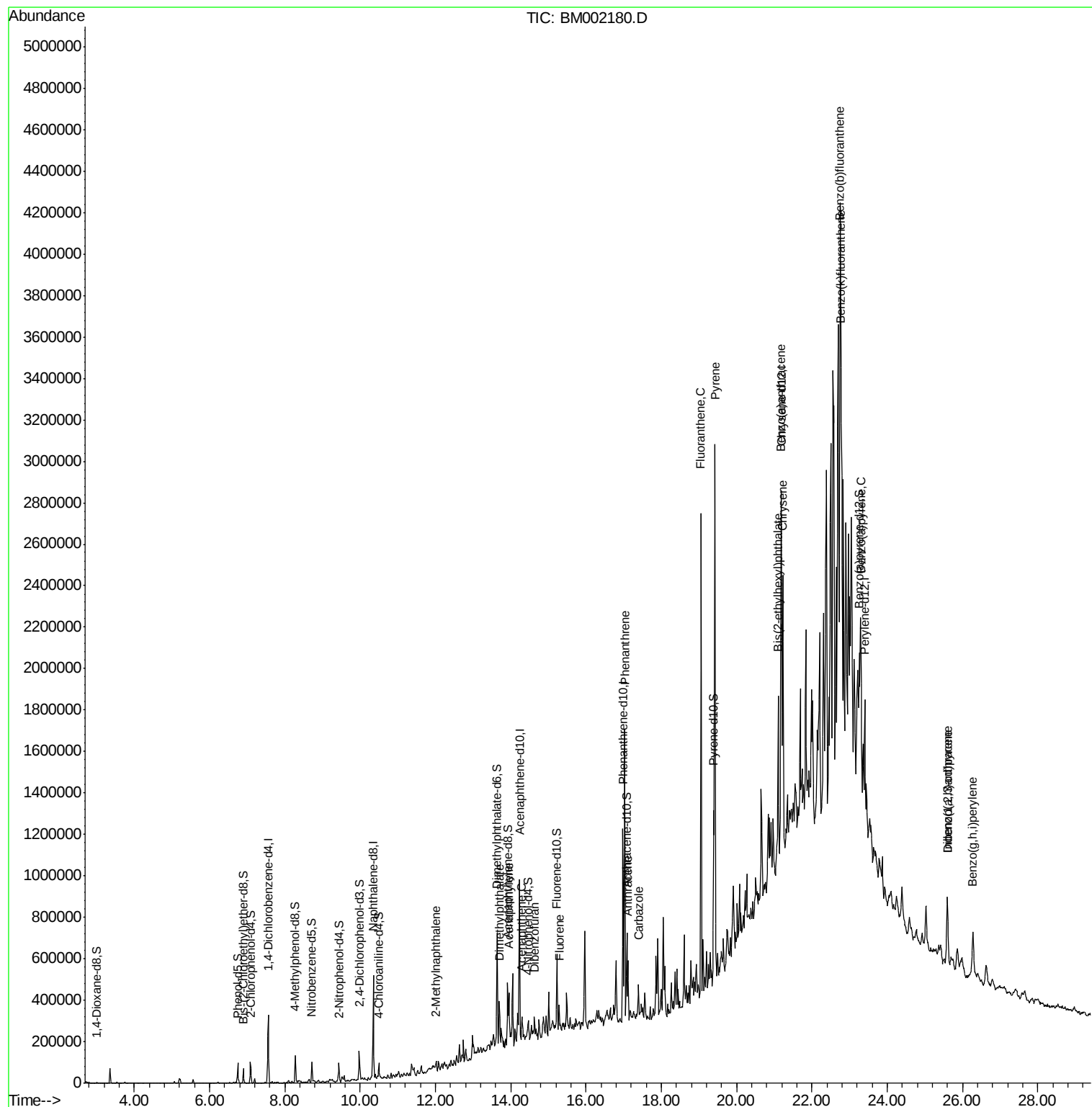
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002180.D
Acq On : 02 Aug 2015 21:53
Operator : TP
Sample : G3073-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

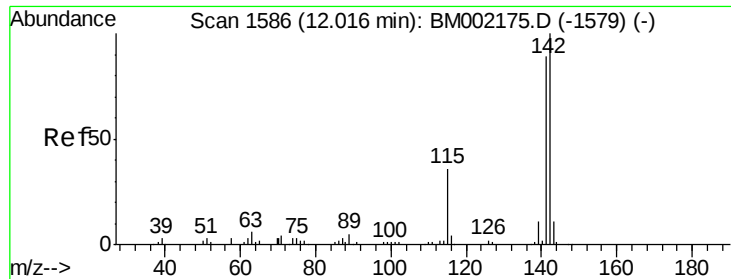
Instrument :
BNA_M
ClientSampleId :
C01L2

Quant Time: Aug 03 03:20:26 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

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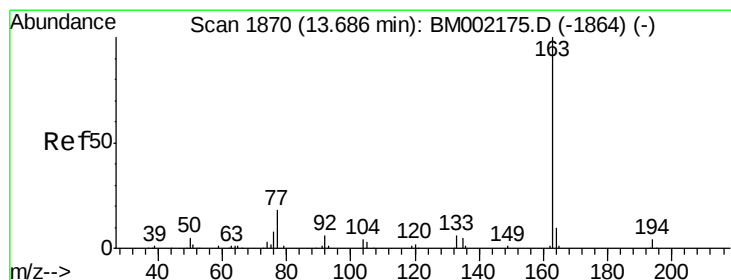
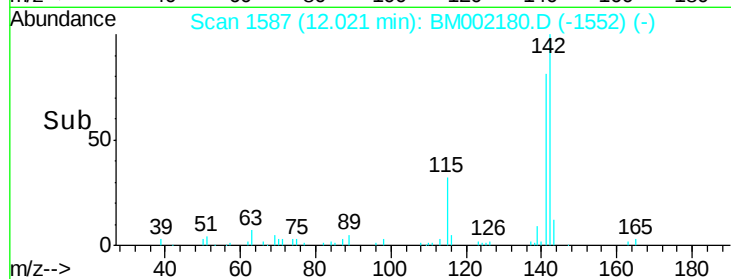
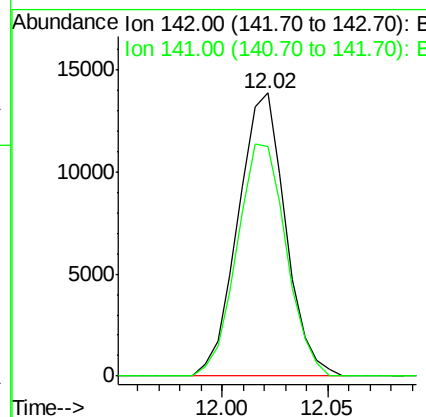
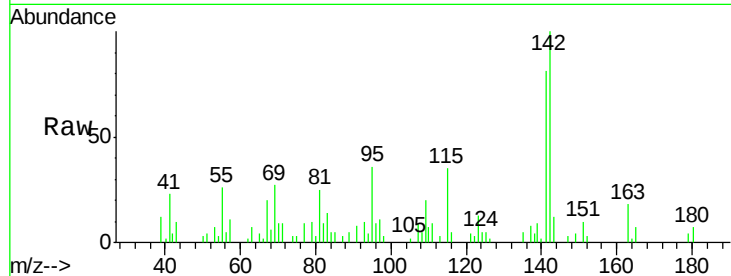
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2-Methylnaphthalene
Concen: 1.60 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion:142 Resp: 21654
Ion Ratio Lower Upper
142 100
141 81.3 69.8 104.6

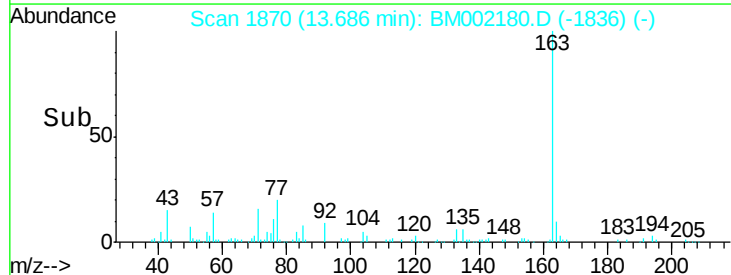
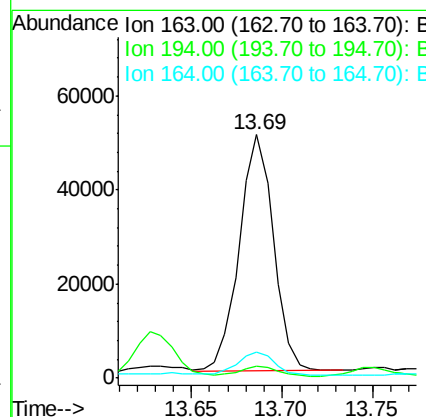
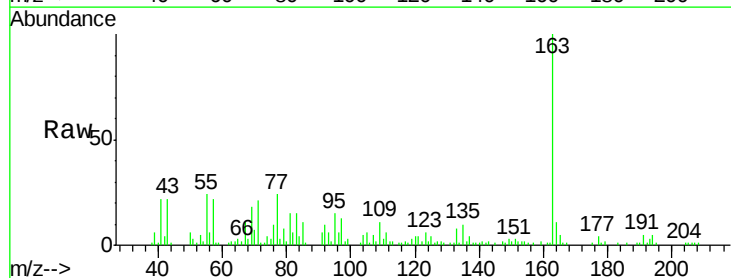
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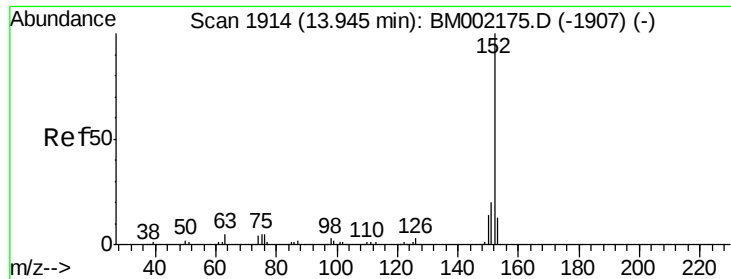
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#45
Dimethylphthalate
Concen: 3.71 ng/ul
RT: 13.69 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion:163 Resp: 65557
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.9 8.0 12.0





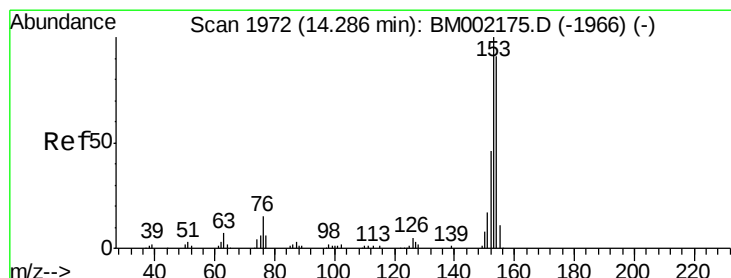
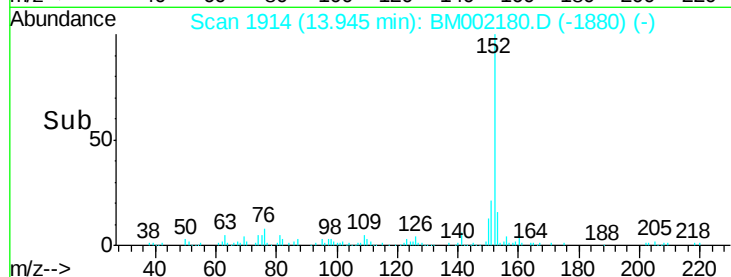
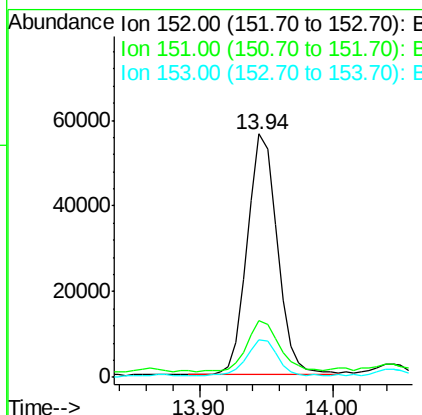
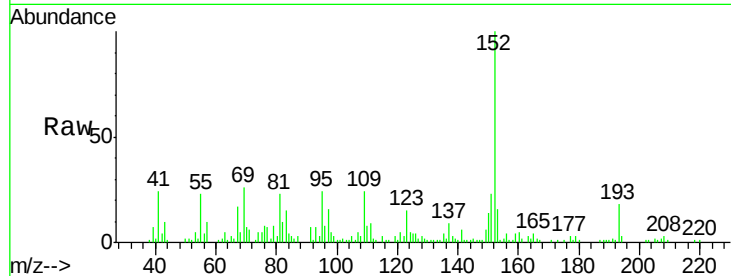
#48
Acenaphthylene
Concen: 3.85 ng/ul
RT: 13.94 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.3	15.6	23.4
153	15.6	10.3	15.5#

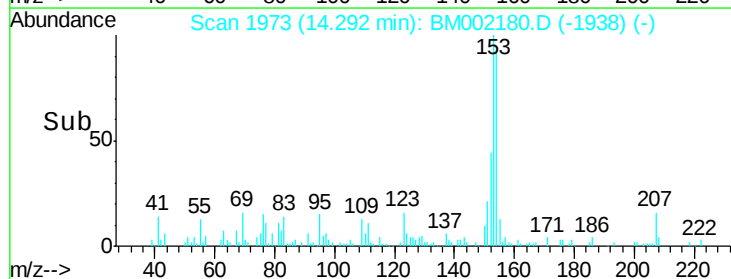
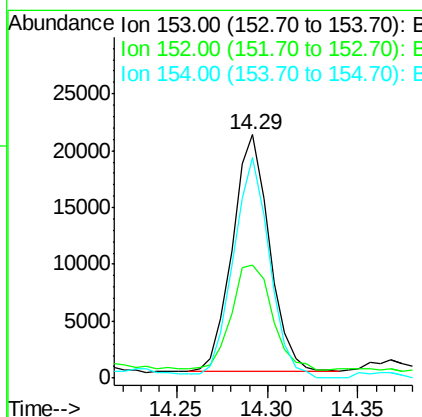
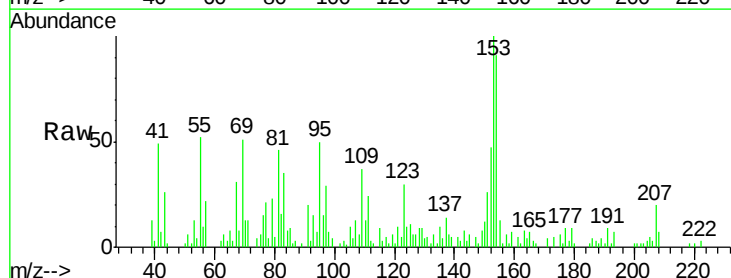
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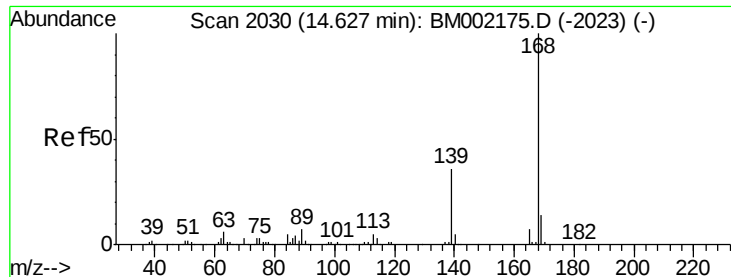
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#50
Acenaphthene
Concen: 1.98 ng/ul
RT: 14.29 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.3	55.9
154	90.6	71.4	107.2





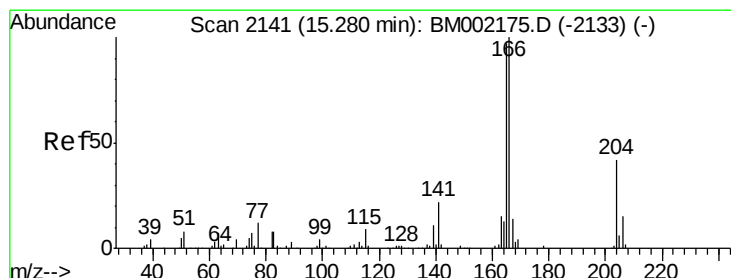
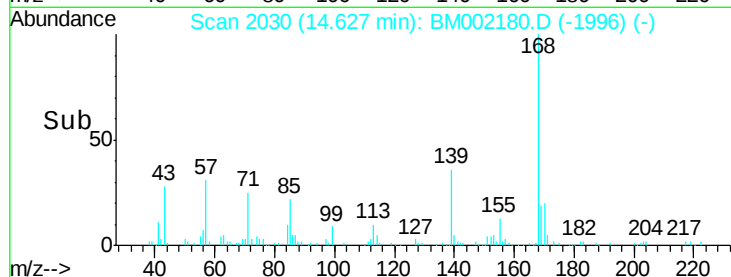
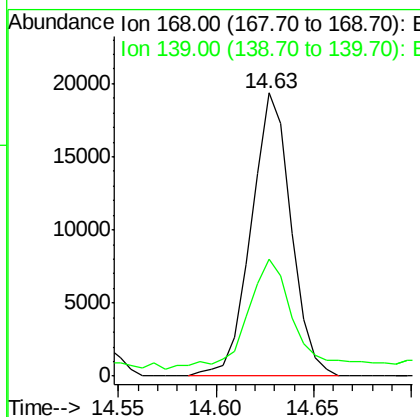
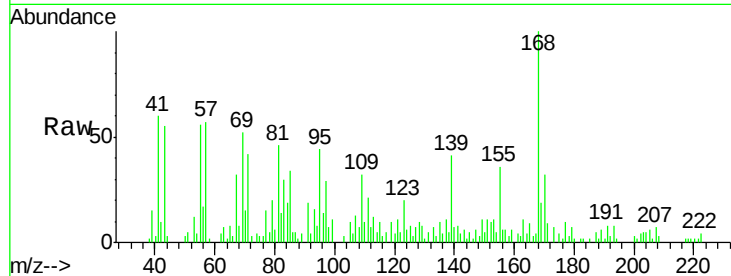
#54
Dibenzenofuran
Concen: 1.28 ng/ul
RT: 14.63 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion:168 Resp: 27401
Ion Ratio Lower Upper
168 100
139 41.2 28.2 42.2

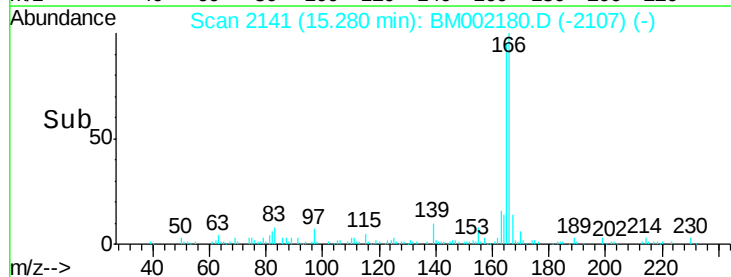
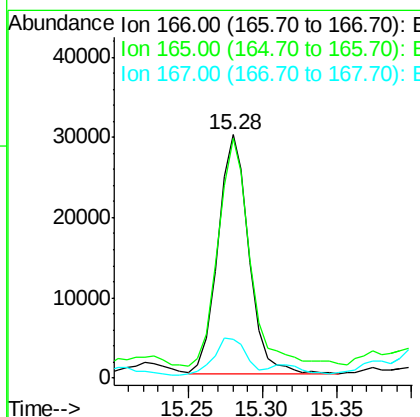
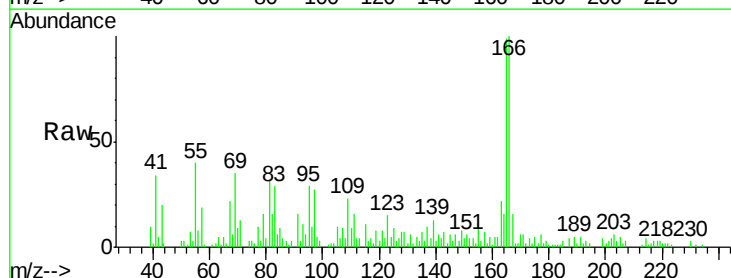
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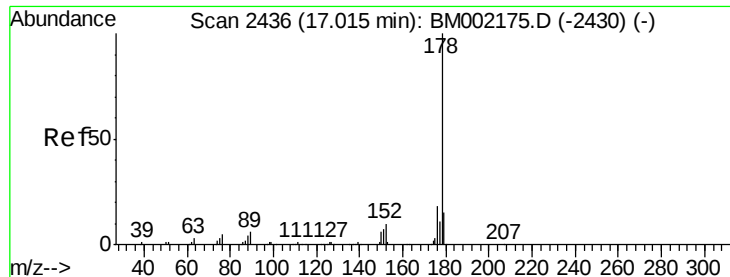
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#59
Fluorene
Concen: 2.43 ng/ul
RT: 15.28 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion:166 Resp: 43098
Ion Ratio Lower Upper
166 100
165 98.7 75.6 113.4
167 16.1 10.5 15.7#





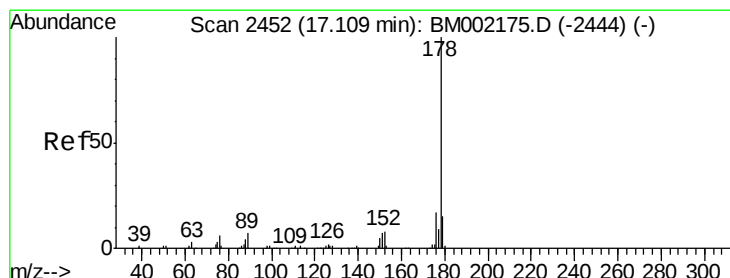
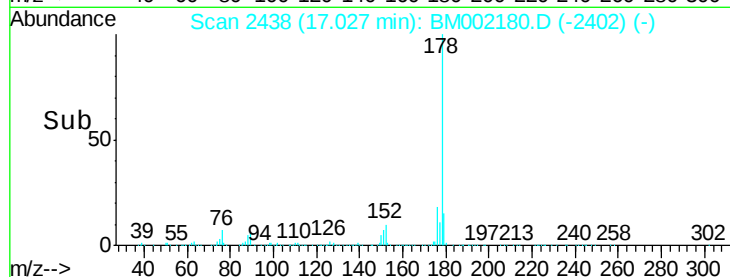
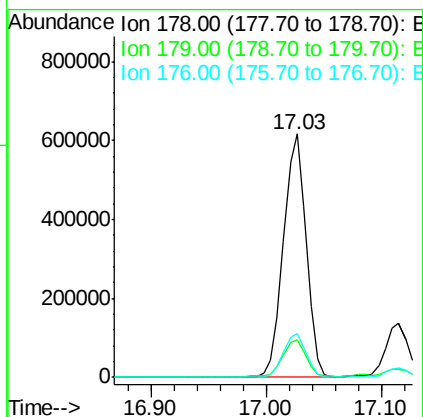
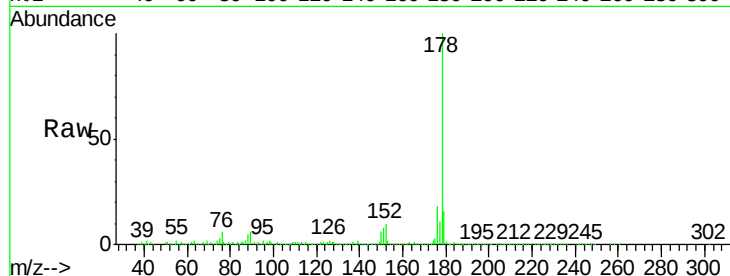
#70
Phenanthrene
Concen: 29.12 ng/ul
RT: 17.03 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.3	14.2	21.4

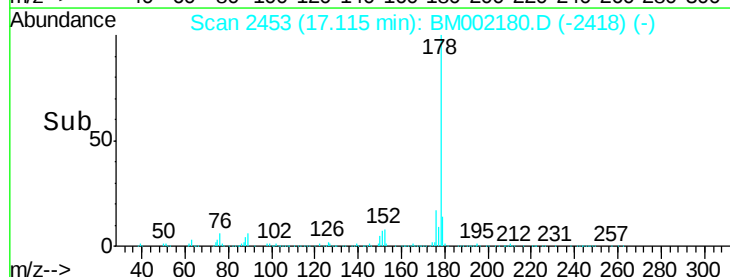
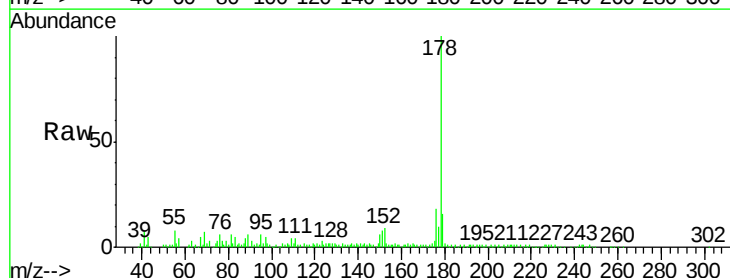
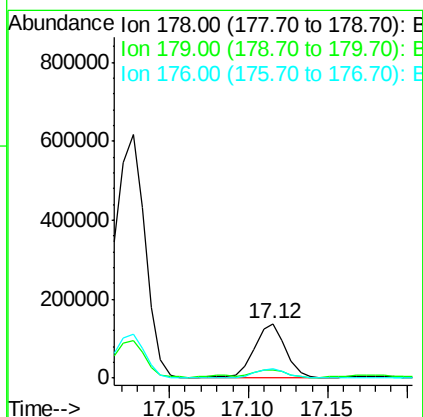
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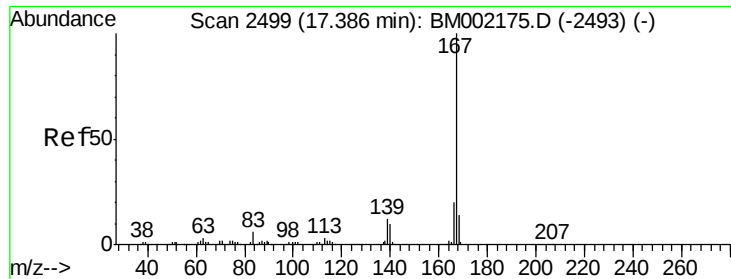
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#72
Anthracene
Concen: 6.24 ng/ul
RT: 17.12 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	17.7	14.1	21.1





#75

Carbazole

Concen: 1.71 ng/ul

RT: 17.39 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BM002180.D

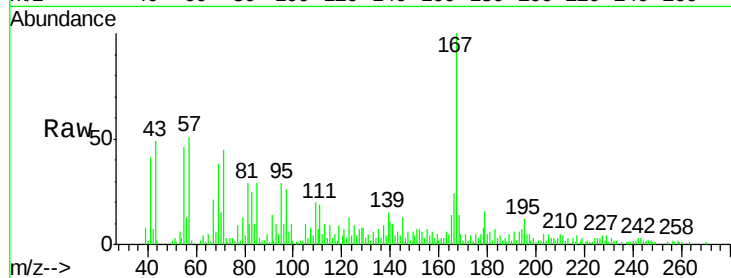
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Instrument :

BNA_M

ClientSampleId :

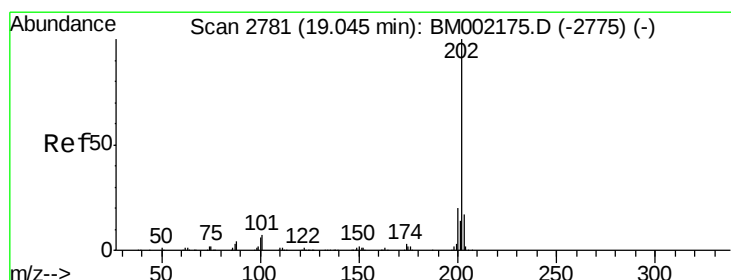
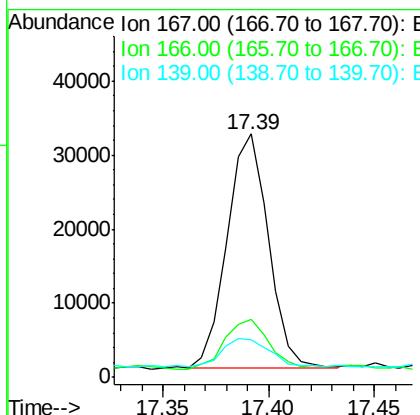
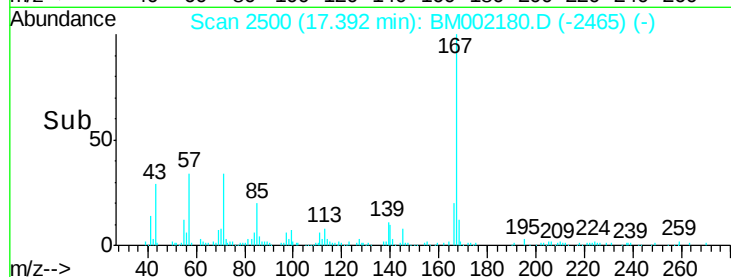
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Tgt Ion	Ratio	Resp	Lower	Upper
167	100	42785		
166	24.1	16.2	24.4	
139	15.4	9.6	14.4	

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#77

Fluoranthene

Concen: 43.57 ng/ul

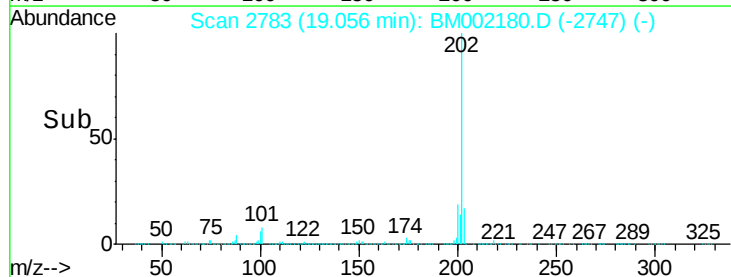
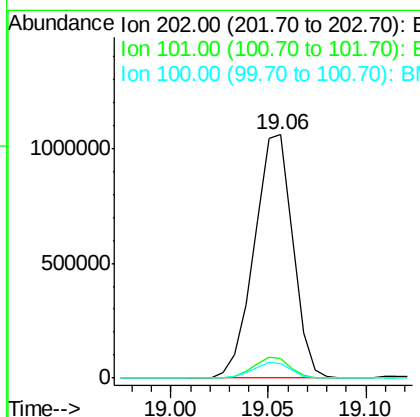
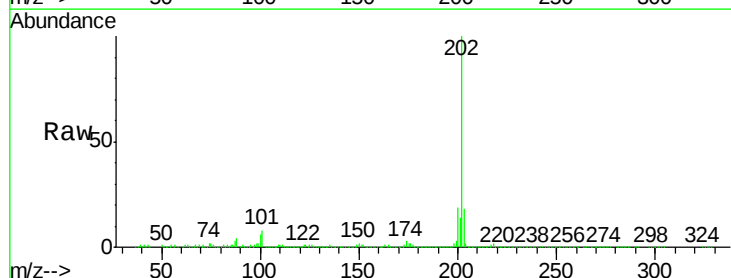
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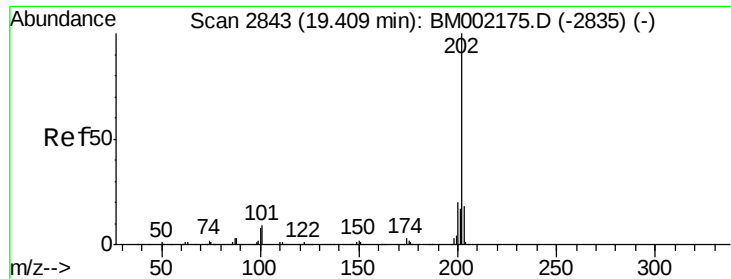
Delta R.T. 0.01 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1445534		
101	7.9	6.2	9.4	
100	6.1	5.2	7.8	





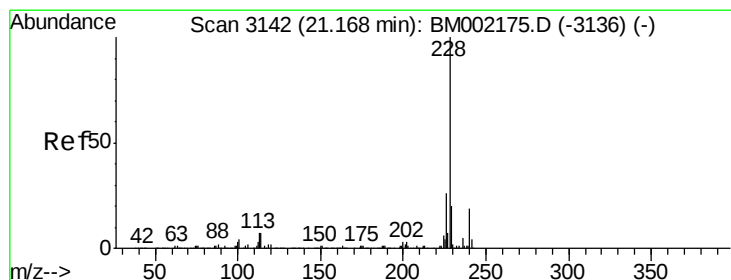
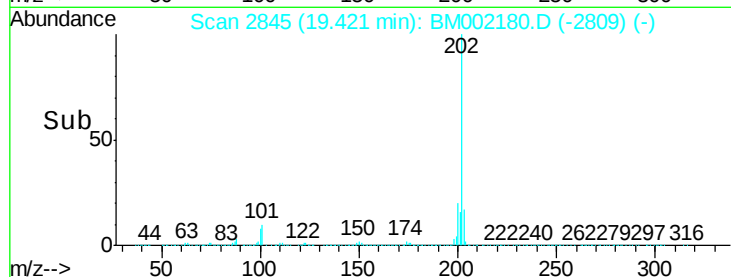
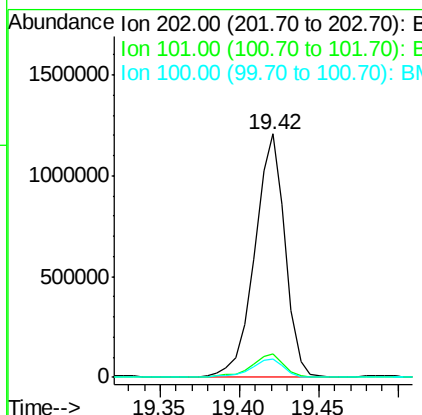
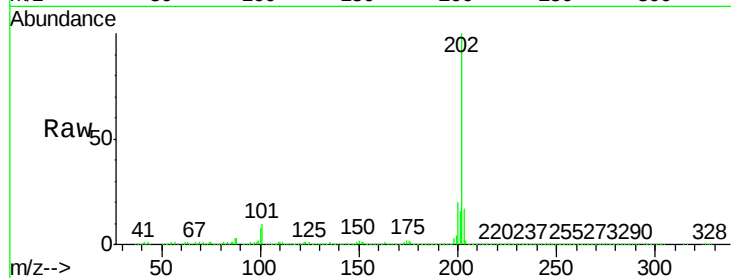
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 Pyrene
 Concen: 49.79 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BM002180.D
 Acq: 02 Aug 2015 21:53

Instrument :
 BNA_M
 ClientSampleId :
 C01L2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.4	11.2
100	7.5	6.3	9.5

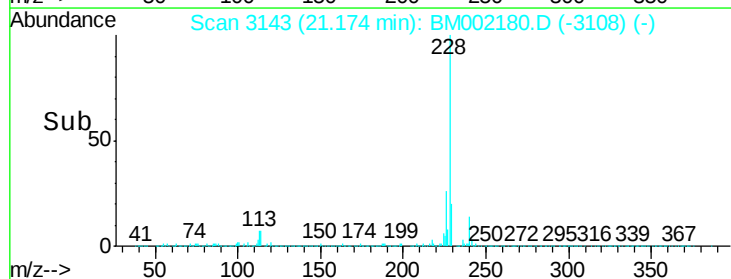
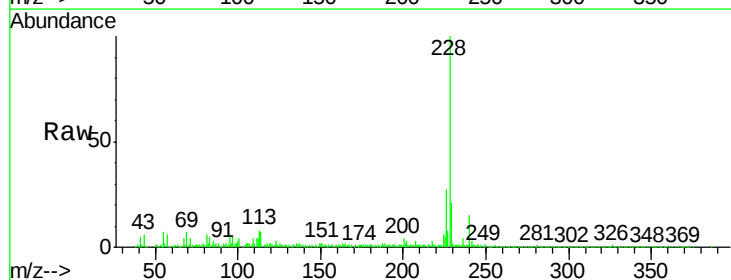
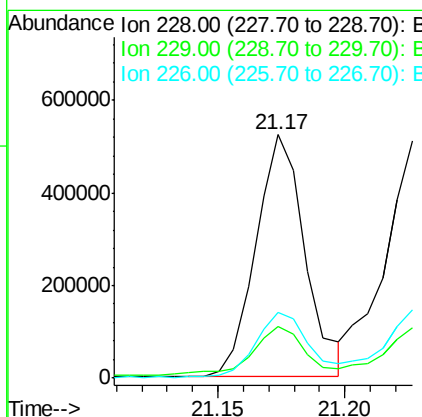
Manual Integrations
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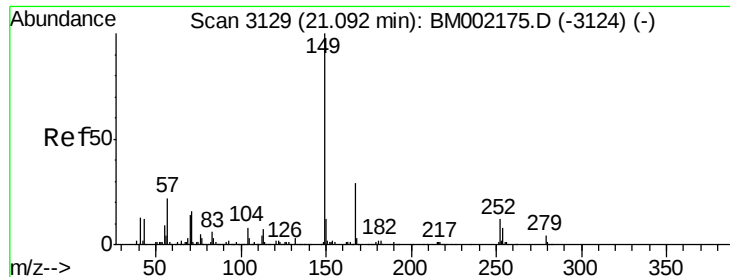
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#83
 Benzo(a)anthracene
 Concen: 21.65 ng/ul
 RT: 21.17 min Scan# 3143
 Delta R.T. 0.01 min
 Lab File: BM002180.D
 Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.2
226	26.9	20.5	30.7





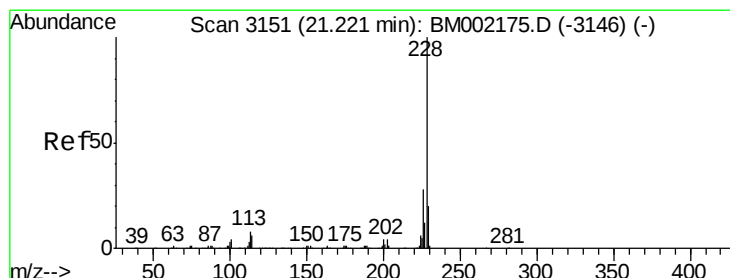
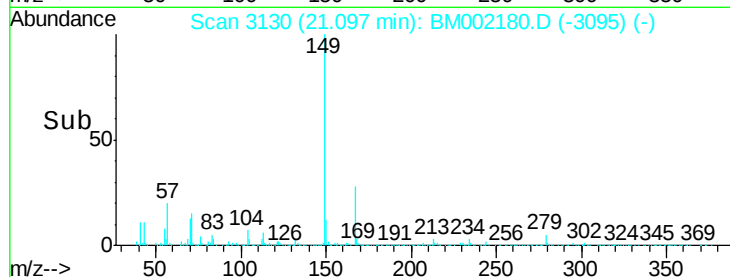
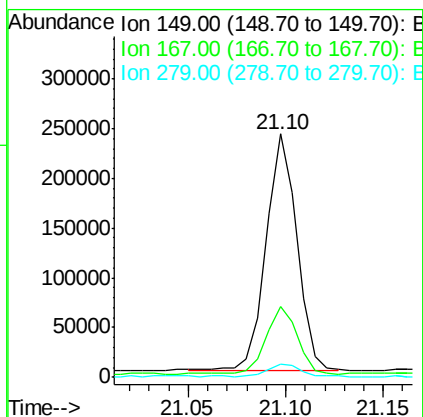
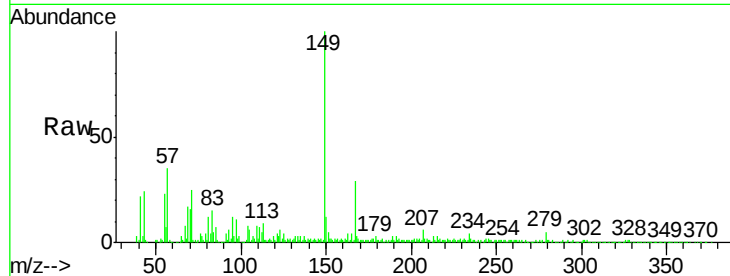
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.78 ng/ul
 RT: 21.10 min Scan# 3130
 Delta R.T. 0.01 min
 Lab File: BM002180.D
 Acq: 02 Aug 2015 21:53

Instrument :
 BNA_M
 ClientSampleId :
 C01L2

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	259213		
167	29.1	23.6	35.4	
279	5.4	4.2	6.4	

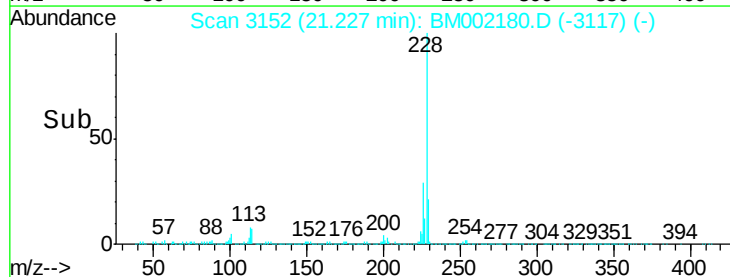
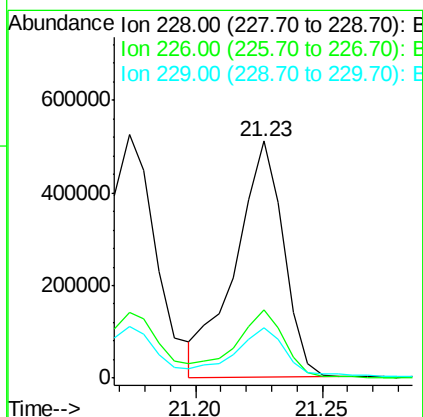
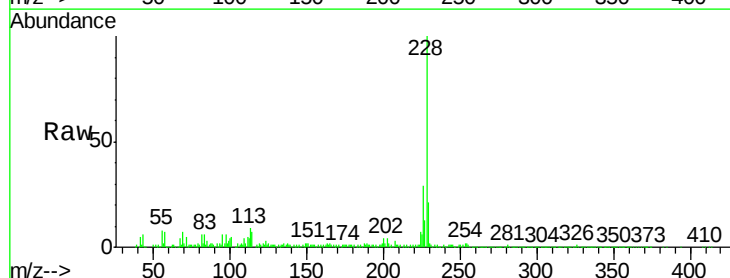
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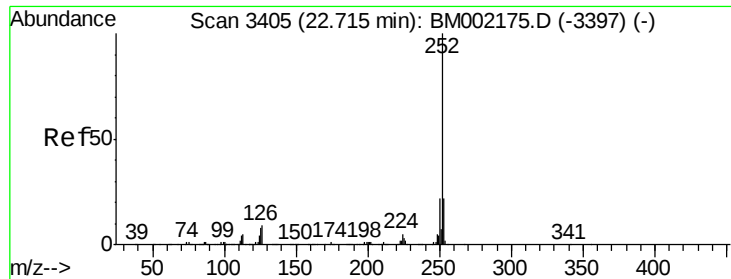
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#85
 Chrysene
 Concen: 22.02 ng/ul
 RT: 21.23 min Scan# 3152
 Delta R.T. 0.01 min
 Lab File: BM002180.D
 Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	675192		
226	28.9	22.3	33.5	
229	21.5	15.5	23.3	





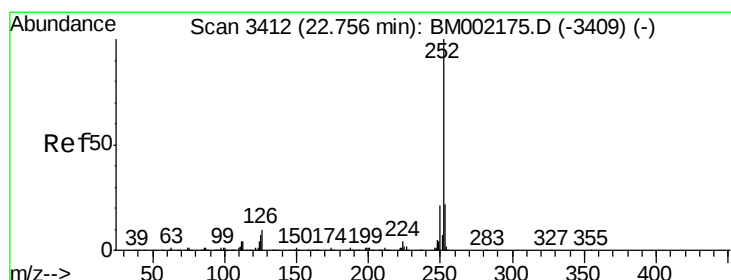
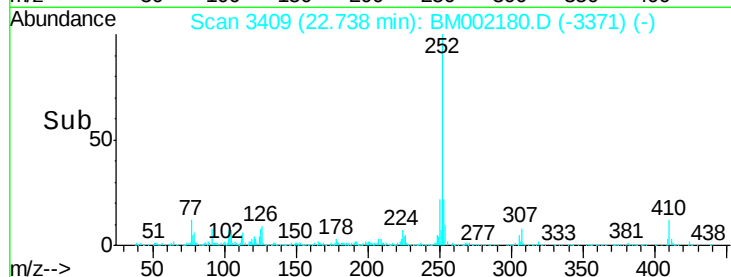
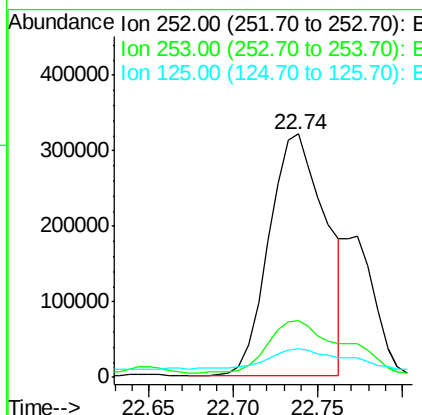
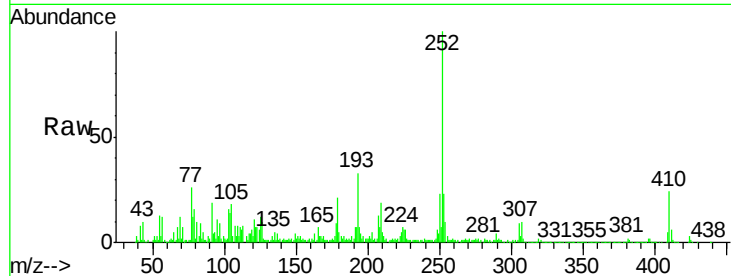
#88
Benzo(b)fluoranthene
Concen: 26.48 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. 0.02 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.9	25.3
125	11.6	6.2	9.2

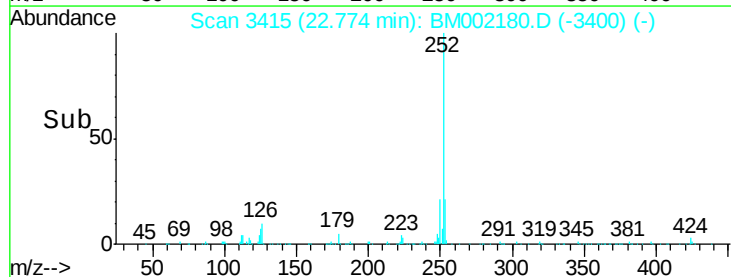
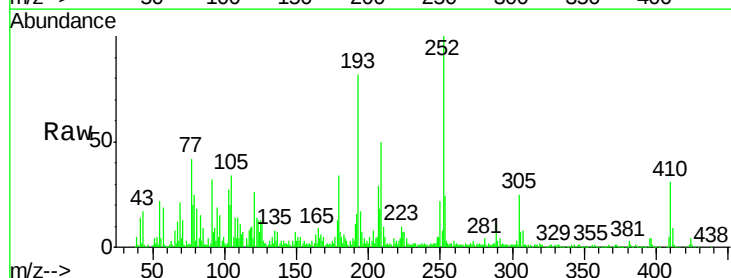
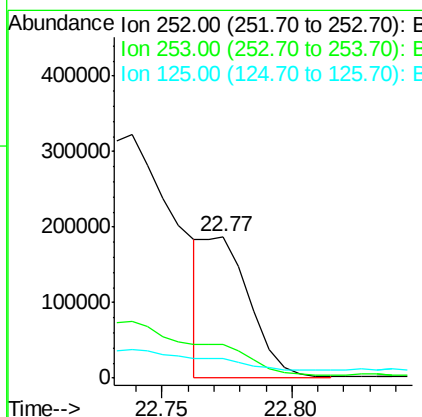
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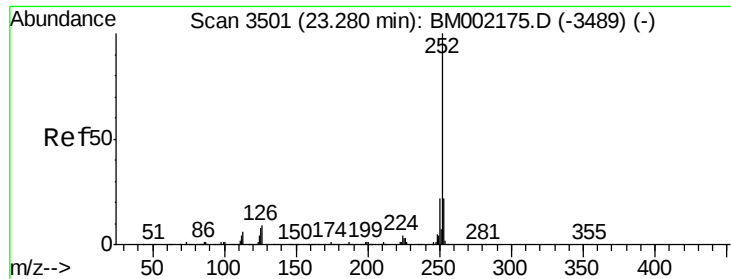
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#89
Benzo(k)fluoranthene
Concen: 8.74 ng/ul m
RT: 22.77 min Scan# 3415
Delta R.T. 0.02 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	13.5	6.2	9.4





#91

Benzo(a)pyrene

Concen: 18.79 ng/ul

RT: 23.30 min Scan# 3504

Delta R.T. 0.02 min

Lab File: BM002180.D

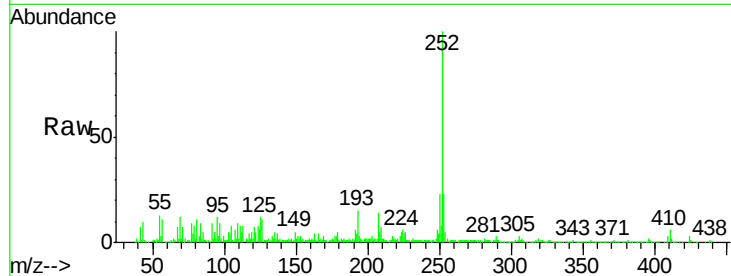
Acq: 02 Aug 2015 21:53

Instrument :

BNA_M

ClientSampleId :

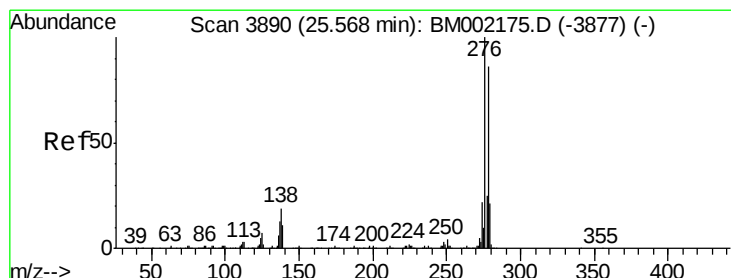
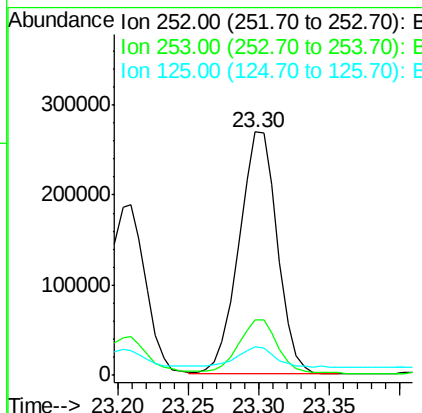
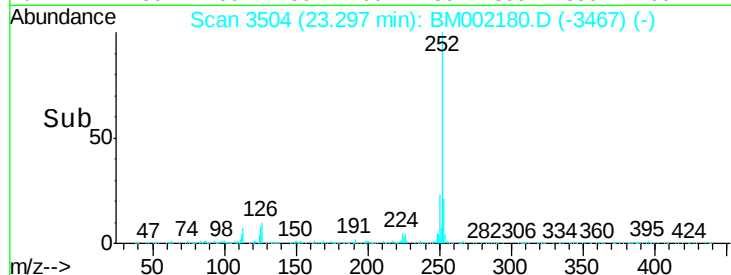
C01L2



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	509612		
253	23.0	17.2	25.8	
125	11.7	6.6	10.0	

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#92

Indeno(1,2,3-cd)pyrene

Concen: 9.74 ng/ul

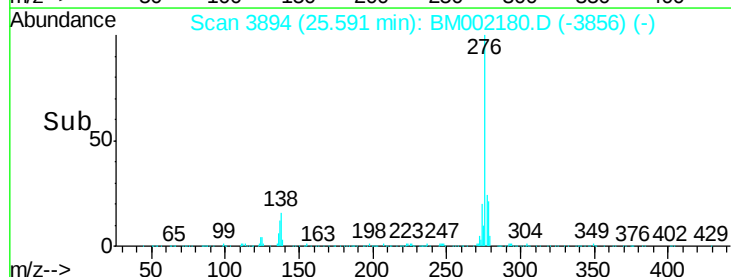
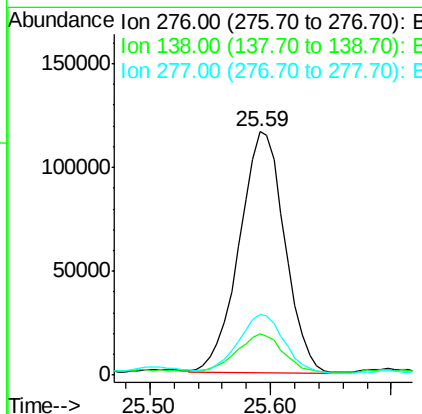
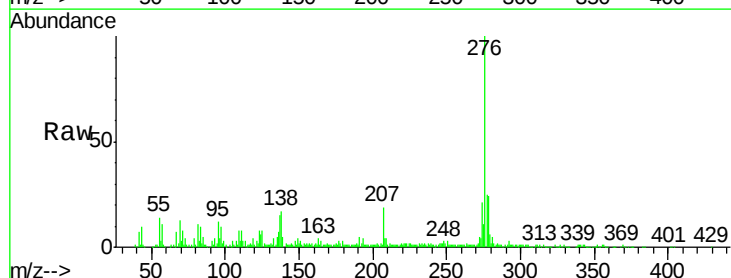
RT: 25.59 min Scan# 3894

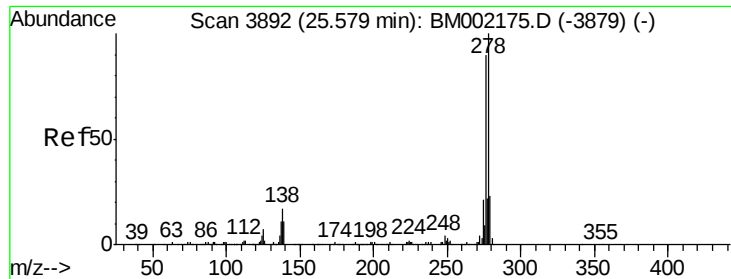
Delta R.T. 0.02 min

Lab File: BM002180.D

Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	304460		
138	17.2	16.2	24.2	
277	24.8	19.8	29.8	





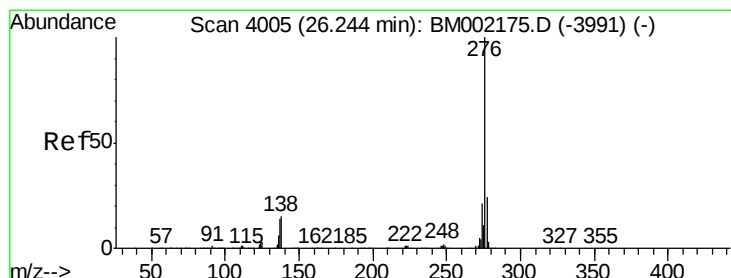
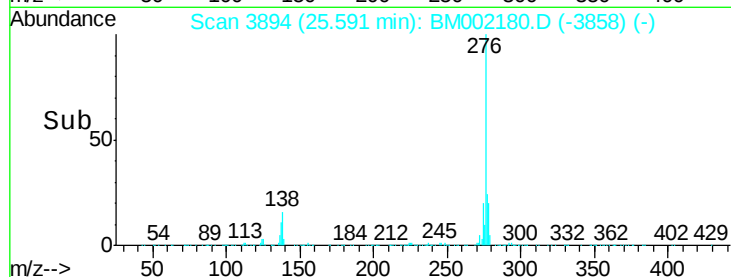
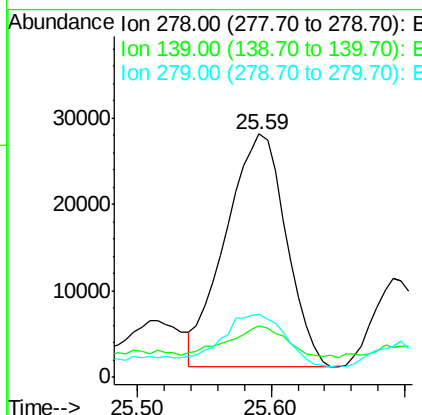
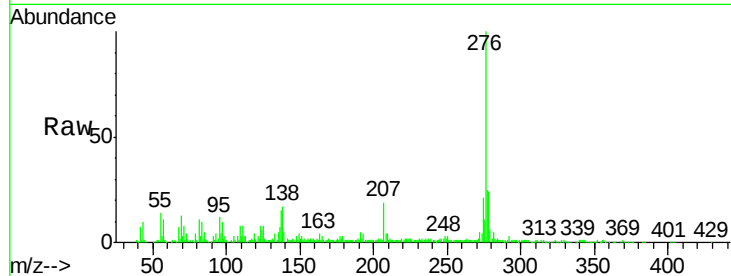
#93
Dibenzo(a,h)anthracene
Concen: 3.17 ng/ul
RT: 25.59 min Scan# 3894
Delta R.T. 0.01 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Instrument :
BNA_M
ClientSampleId :
C01L2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	10.6	16.0#
279	26.1	18.5	27.7

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#94
Benzo(g,h,i)perylene
Concen: 11.08 ng/ul
RT: 26.27 min Scan# 4010
Delta R.T. 0.03 min
Lab File: BM002180.D
Acq: 02 Aug 2015 21:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.8	20.6
277	24.1	18.2	27.2

