

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002133.D
 Acq On : 30 Jul 2015 13:00
 Operator : TP/UM
 Sample : G3030-15RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02FORE

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 11:53:20 AM

Quant Time: Aug 10 12:49:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 01:27:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	137581	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	571030	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	320937	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	606157	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	609280	20.00	ng/ul	0.02
86) Perylene-d12	23.43	264	584169	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	7817	2.94	ng/uL	0.00
5) Phenol-d5	6.77	99	188096	19.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	104863	19.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	162359	19.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	141159	18.05	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	80743	19.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	94613	20.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	169230	19.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	81316	8.52	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	494499	21.04	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	531022	18.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	48489	12.36	ng/ul	0.00
58) Fluorene-d10	15.25	176	343597	16.61	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	48156	12.99	ng/ul	0.01
71) Anthracene-d10	17.11	188	450513	16.65	ng/ul	0.00
79) Pyrene-d10	19.42	212	417291	16.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.29	264	411100	14.52	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	6.79	94	10294	1.02	ng/ul#	84
14) Acetophenone	8.41	105	25929	2.09	ng/ul	97
28) Naphthalene	10.43	128	160712	5.92	ng/ul	99
34) 2-Methylnaphthalene	12.05	142	117418	5.95	ng/ul	97
41) 1,1'-Biphenyl	13.07	154	56576	2.29	ng/ul	98
45) Dimethylphthalate	13.72	163	260886	11.12	ng/ul	99
48) Acenaphthylene	13.97	152	302305	9.97	ng/ul	98
50) Acenaphthene	14.32	153	377942	19.01	ng/ul	99
54) Dibenzofuran	14.66	168	349407	12.25	ng/ul	98
59) Fluorene	15.31	166	758752	32.20	ng/ul	98
70) Phenanthrene	17.07	178	8553729	272.44	ng/ul	96
72) Anthracene	17.15	178	2061359	64.22	ng/ul	99
75) Carbazole	17.42	167	271502	9.90	ng/ul	98
76) Di-n-butylphthalate	17.97	149	57139	1.75	ng/ul#	95
77) Fluoranthene	19.10	202	8392348m	231.50	ng/ul	
80) Pyrene	19.47	202	8794667	265.27	ng/ul#	93
83) Benzo(a)anthracene	21.21	228	4257071	126.04	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.13	149	113073	5.83	ng/ul	96
85) Chrysene	21.27	228	3734337	118.18	ng/ul	95
88) Benzo(b)fluoranthene	22.77	252	3680181	112.11	ng/ul	96
89) Benzo(k)fluoranthene	22.81	252	1091752m	34.47	ng/ul	
91) Benzo(a)pyrene	23.34	252	2896188	91.41	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.66	276	1509793	41.35	ng/ul	97

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Instrument :
BNA_M
ClientSampleId :
C02F0RE

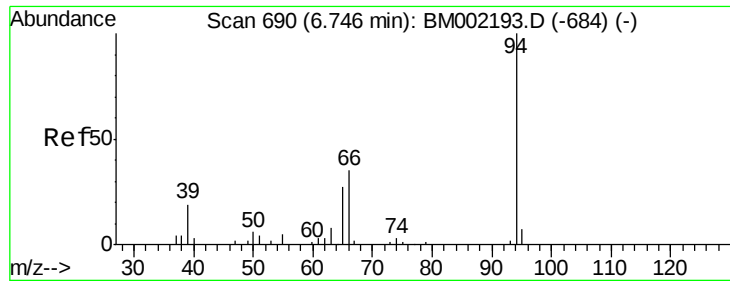
Manual Integrations
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8/3/2015 11:53:20 AM

Quant Time: Aug 10 12:49:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.65	278	466627	14.93	ng/ul#	92
94) Benzo(g,h,i)perylene	26.34	276	1282104	41.89	ng/ul	98

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



#6

Phenol

Concen: 1.02 ng/ul

RT: 6.79 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM002133.D

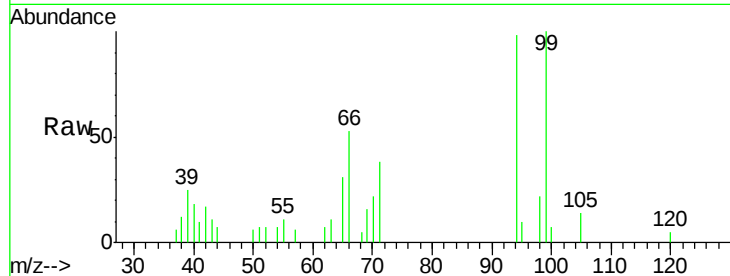
Acq: 30 Jul 2015 13:00

Instrument :

BNA_M

ClientSampleId :

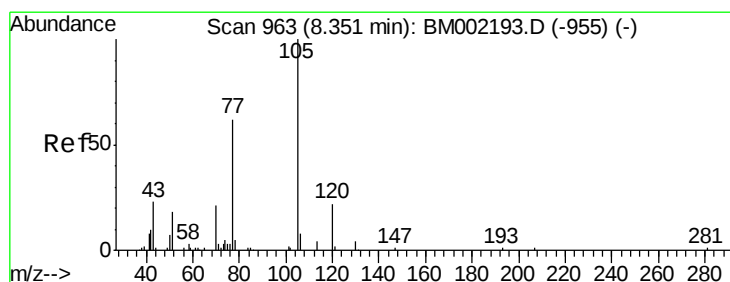
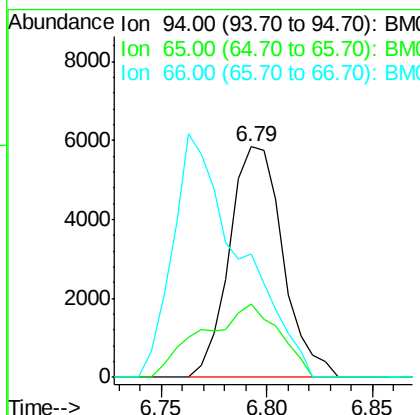
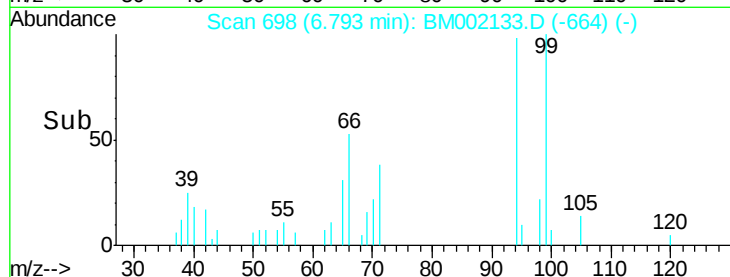
C02F0RE



Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.1	21.8	32.8
66	53.6	32.3	48.5

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#14

Acetophenone

Concen: 2.09 ng/ul

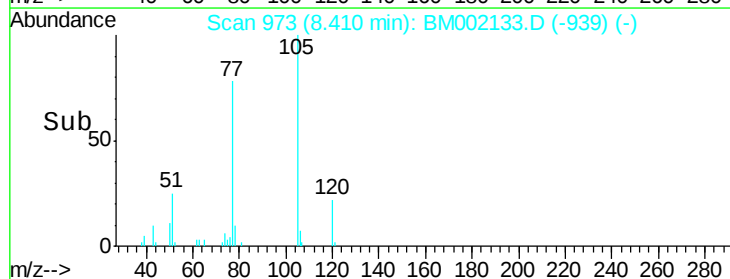
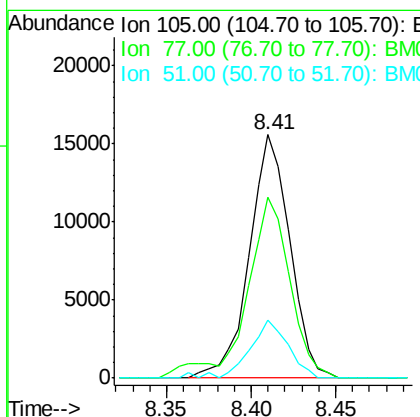
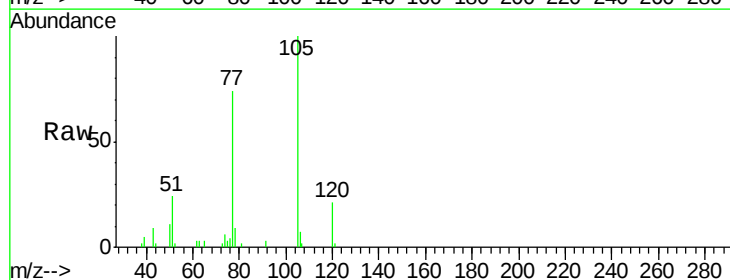
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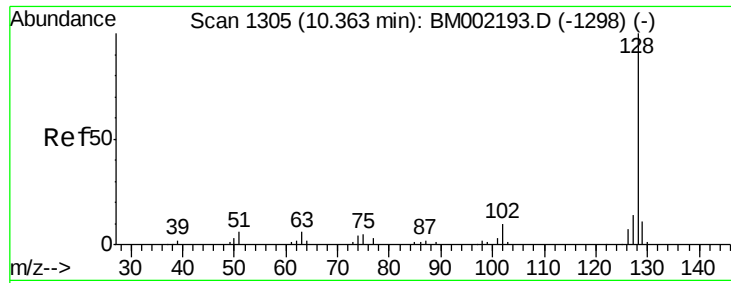
Delta R.T. 0.00 min

Lab File: BM002133.D

Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
77	74.1	61.8	92.8
51	23.6	18.5	27.7





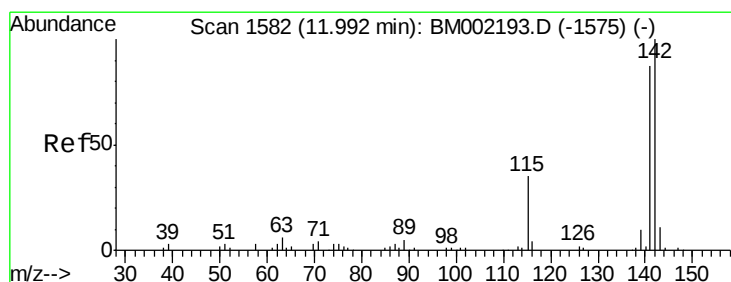
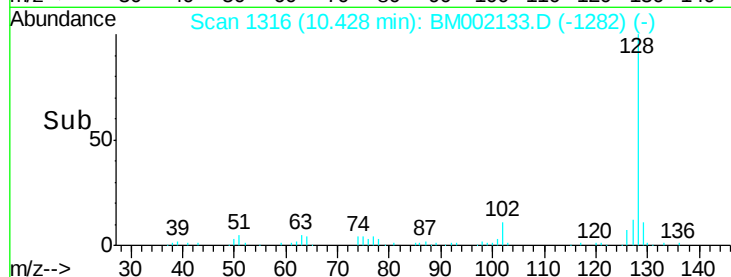
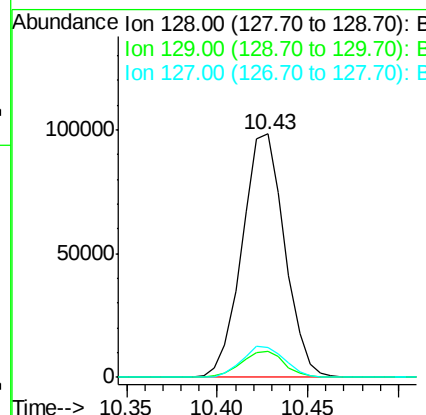
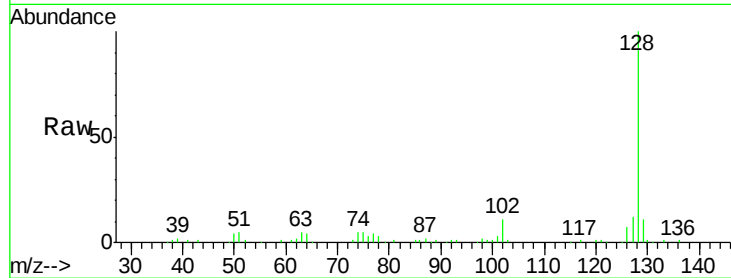
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Naphthalene
Concen: 5.92 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Instrument :
BNA_M
ClientSampleId :
C02F0RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	160712		
129	10.7	9.0	13.4	
127	12.3	10.2	15.4	

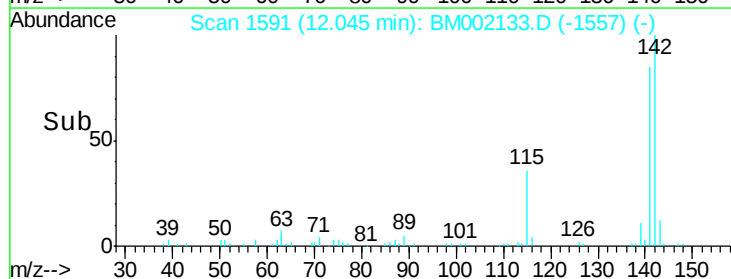
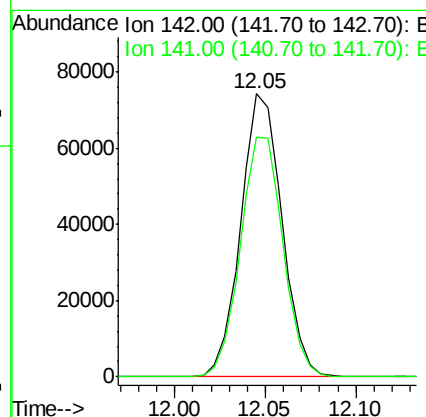
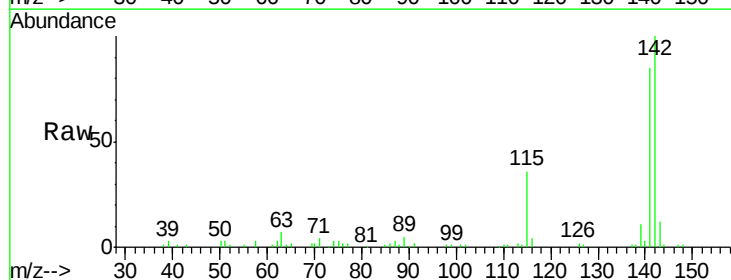
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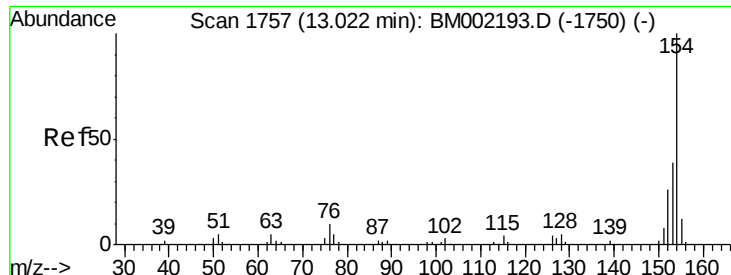
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#34
2-Methylnaphthalene
Concen: 5.95 ng/ul
RT: 12.05 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	117418		
141	84.5	69.8	104.6	





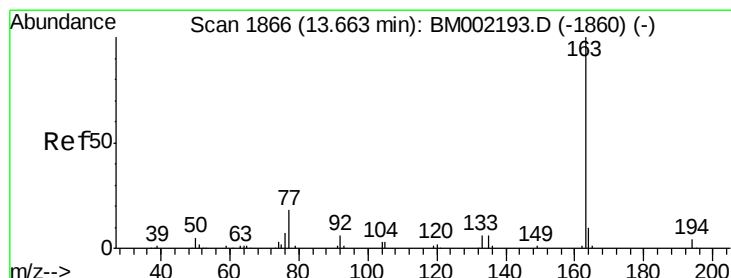
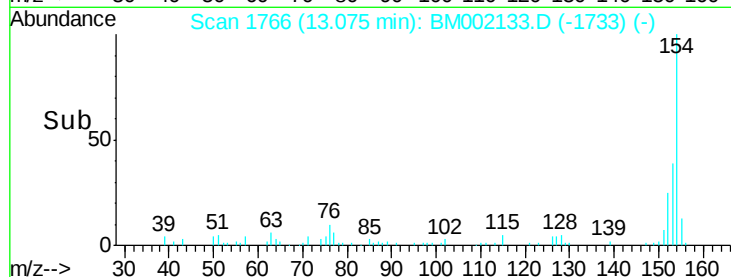
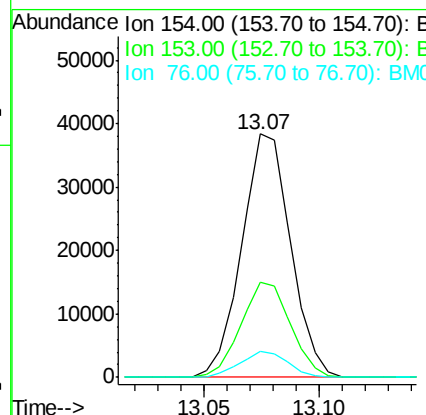
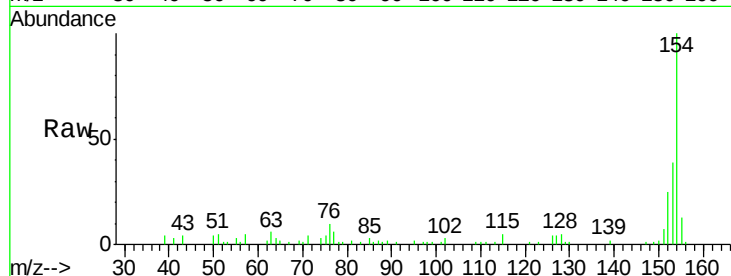
#41
 1,1'-Biphenyl
 Concen: 2.29 ng/ul
 RT: 13.07 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Instrument :
 BNA_M
 ClientSampled :
 C02FORE

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.2	32.5	48.7
76	10.4	8.8	13.2

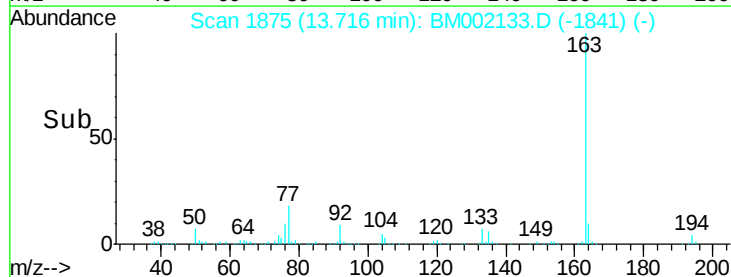
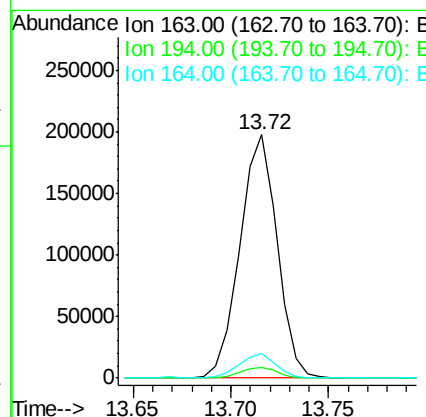
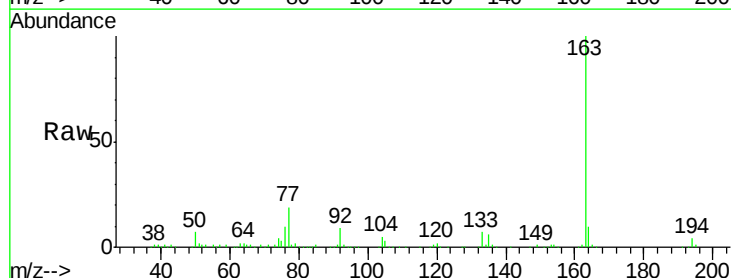
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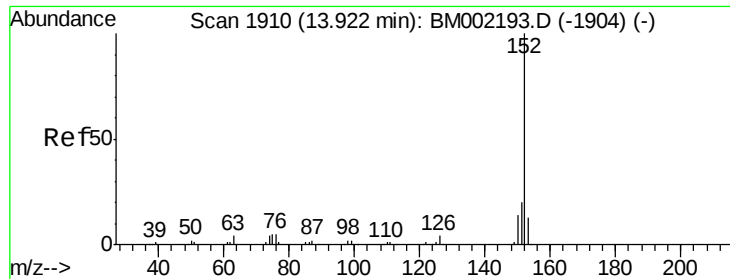
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#45
 Dimethylphthalate
 Concen: 11.12 ng/ul
 RT: 13.72 min Scan# 1875
 Delta R.T. 0.00 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0





#48

Acenaphthylene

Concen: 9.97 ng/ul

RT: 13.97 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM002133.D

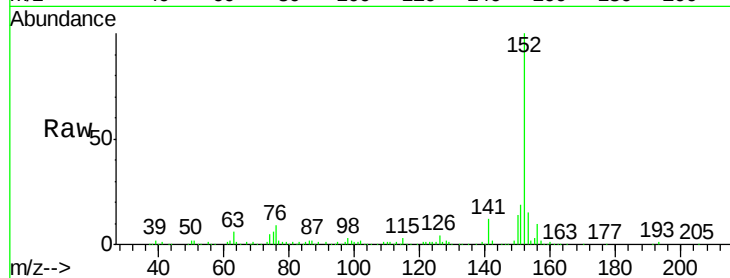
Acq: 30 Jul 2015 13:00

Instrument :

BNA_M

ClientSampleId :

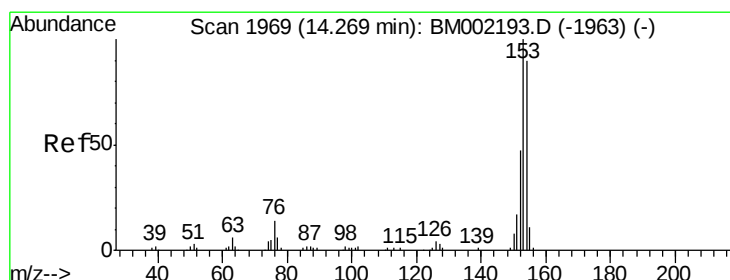
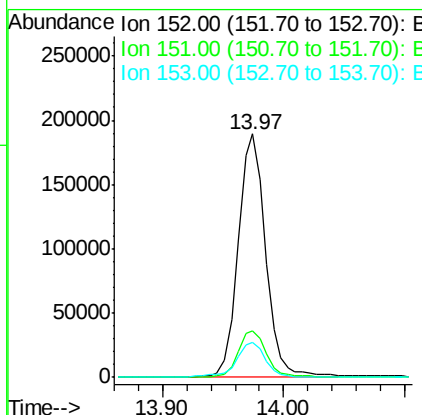
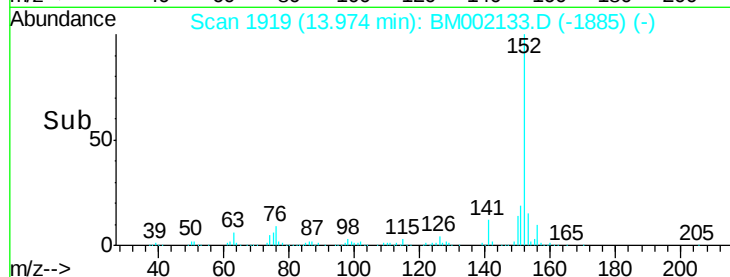
C02FORE



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	14.6	10.3	15.5

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#50

Acenaphthene

Concen: 19.01 ng/ul

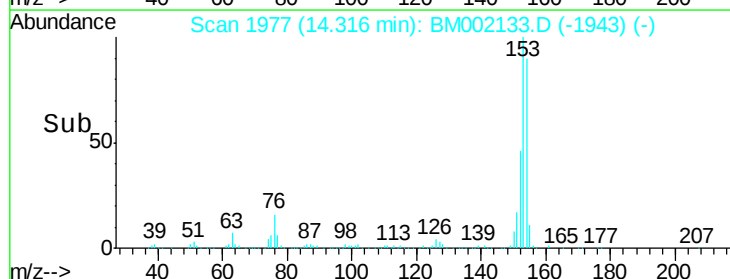
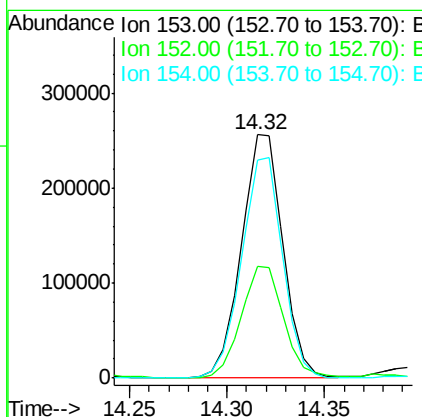
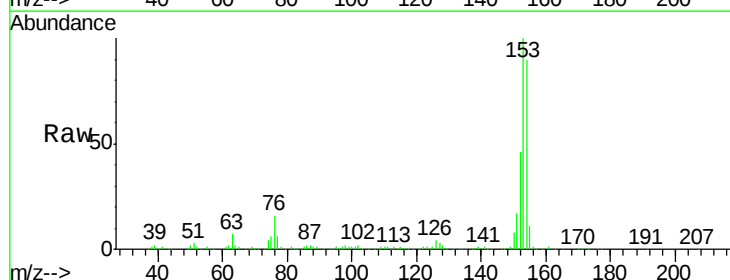
RT: 14.32 min Scan# 1977

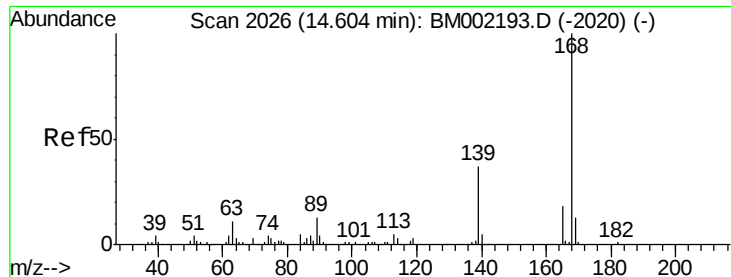
Delta R.T. 0.00 min

Lab File: BM002133.D

Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.1	37.3	55.9
154	89.8	71.4	107.2





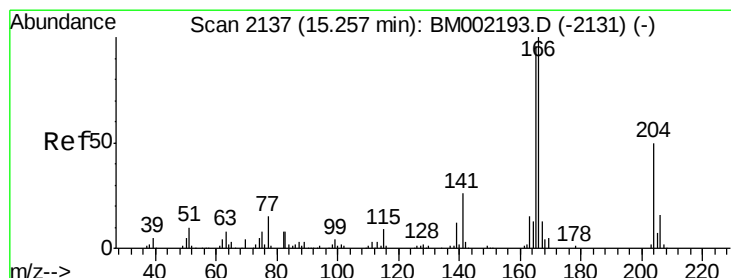
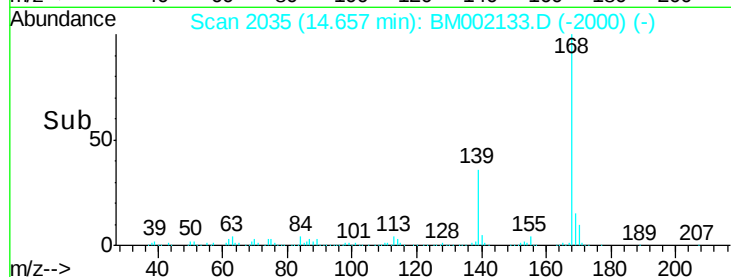
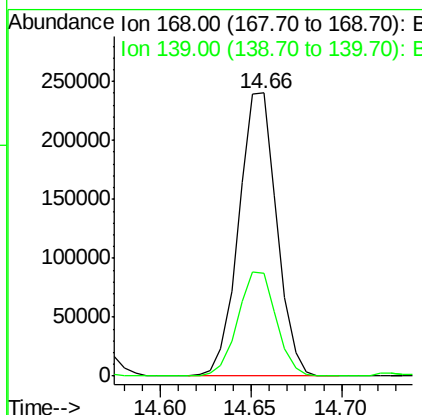
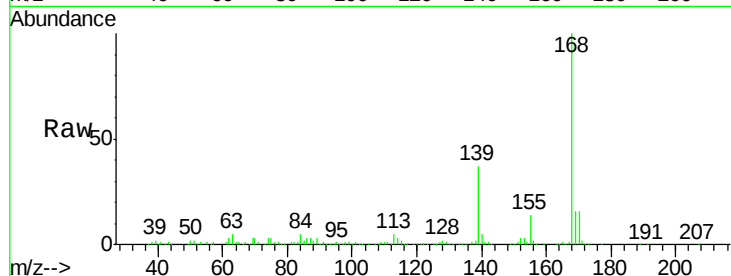
#54
Dibenzenofuran
Concen: 12.25 ng/ul
RT: 14.66 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Instrument :
BNA_M
ClientSampleId :
C02FORE

Tgt Ion:168 Resp: 349407
Ion Ratio Lower Upper
168 100
139 36.5 28.2 42.2

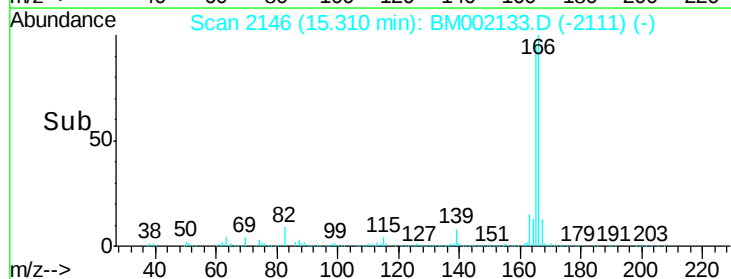
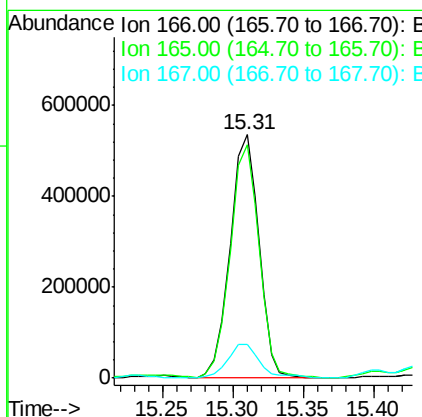
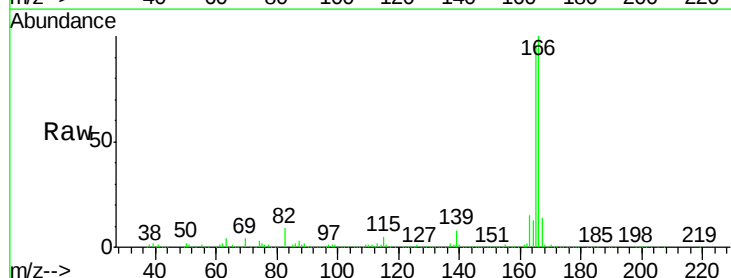
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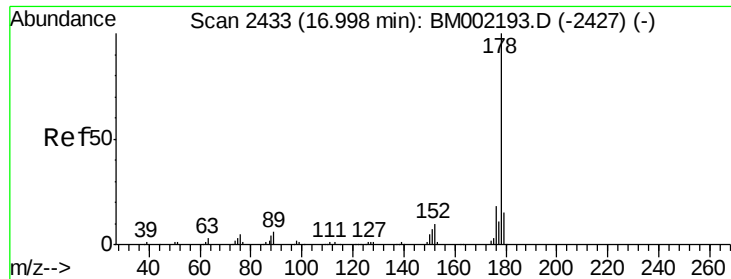
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#59
Fluorene
Concen: 32.20 ng/ul
RT: 15.31 min Scan# 2146
Delta R.T. 0.01 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Tgt Ion:166 Resp: 758752
Ion Ratio Lower Upper
166 100
165 96.0 75.6 113.4
167 13.9 10.5 15.7





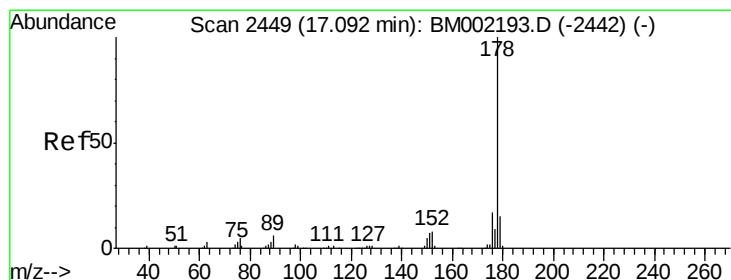
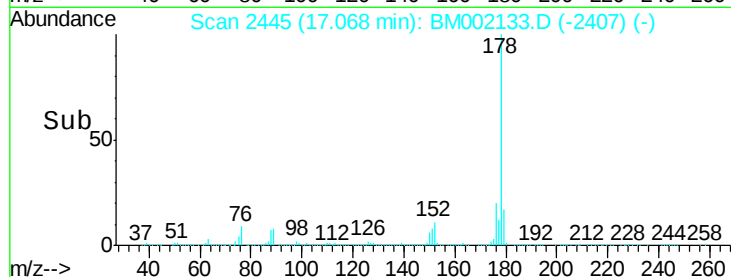
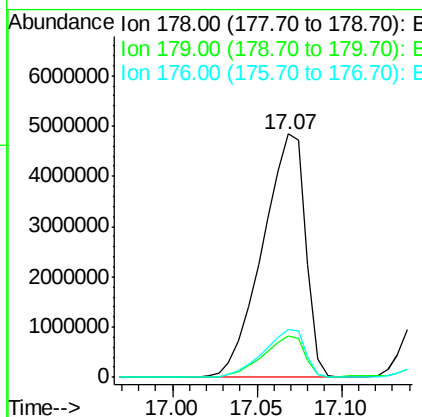
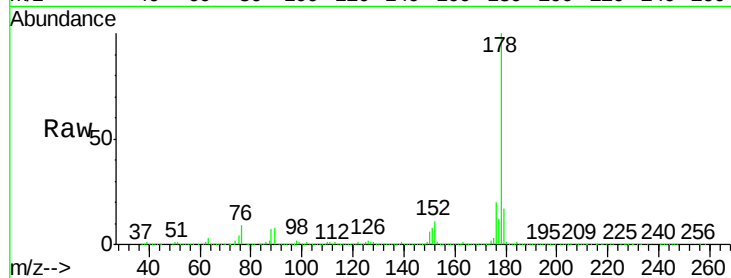
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Phenanthrene
Concen: 272.44 ng/ul
RT: 17.07 min Scan# 2445
Delta R.T. 0.02 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Instrument :
BNA_M
ClientSampleId :
C02F0RE

Tgt Ion:178 Resp: 8553729
Ion Ratio Lower Upper
178 100
179 16.9 12.5 18.7
176 19.8 14.2 21.4

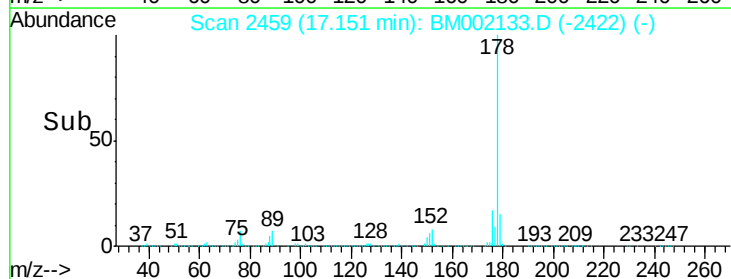
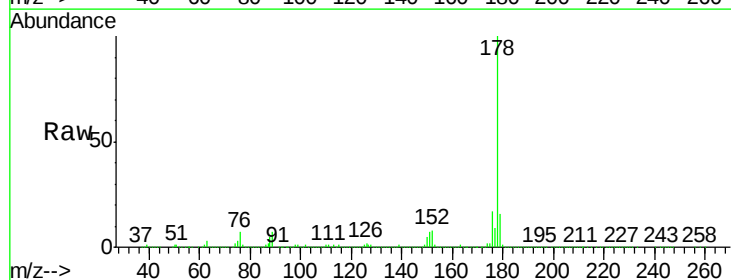
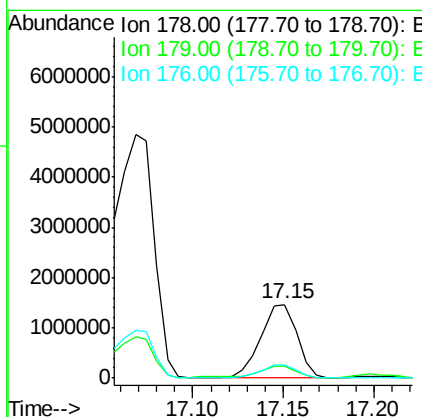
Manual Integrations
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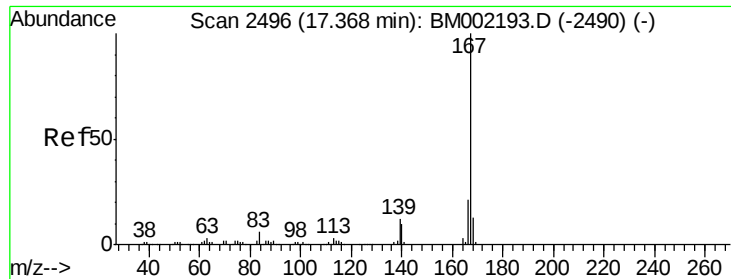
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#72
Anthracene
Concen: 64.22 ng/ul
RT: 17.15 min Scan# 2459
Delta R.T. 0.02 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Tgt Ion:178 Resp: 2061359
Ion Ratio Lower Upper
178 100
179 15.5 12.1 18.1
176 17.5 14.1 21.1





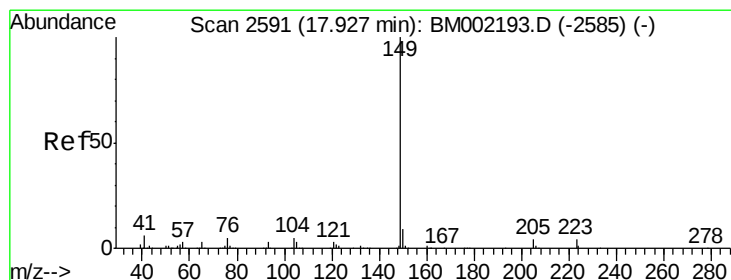
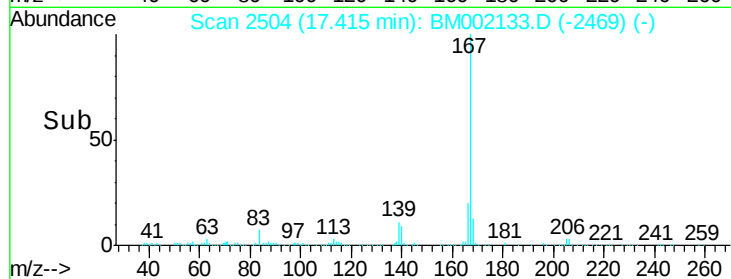
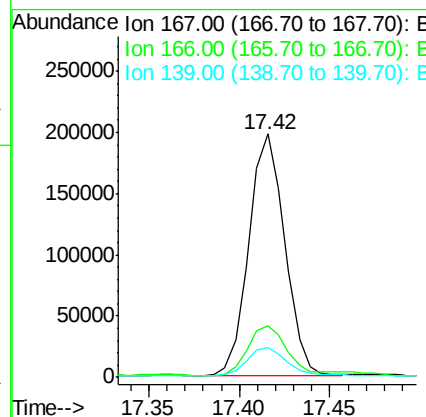
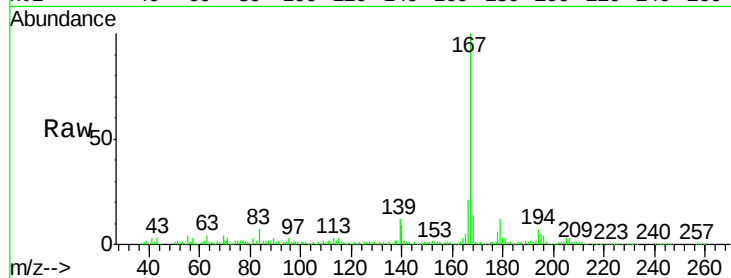
#75
 Carbazole
 Concen: 9.90 ng/ul
 RT: 17.42 min Scan# 2504
 Delta R.T. 0.01 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Instrument :
 BNA_M
 ClientSampleId :
 C02F0RE

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	271502		
166	21.4	16.2	24.4	
139	12.5	9.6	14.4	

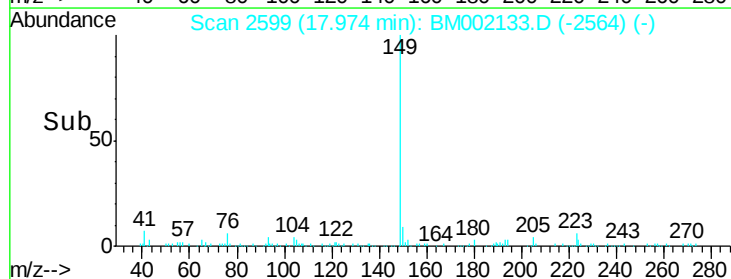
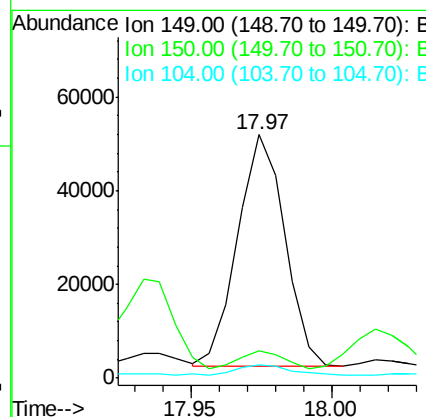
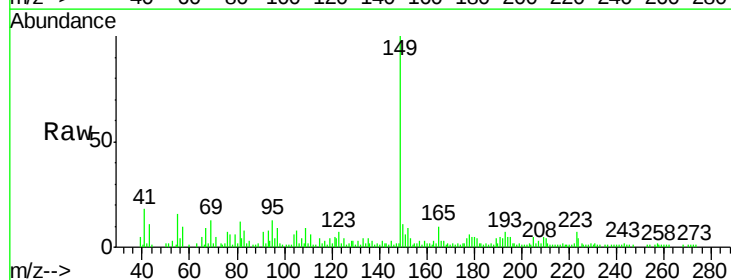
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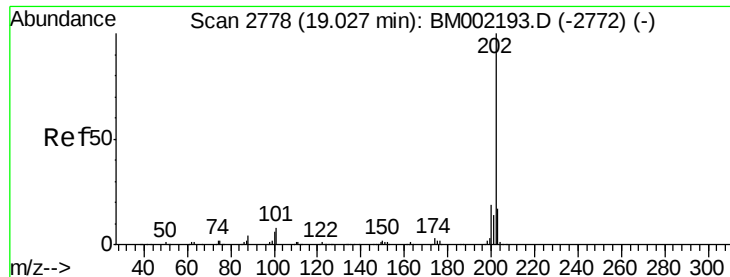
MMDadoda
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#76
 Di-n-butylphthalate
 Concen: 1.75 ng/ul
 RT: 17.97 min Scan# 2599
 Delta R.T. 0.01 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	57139		
150	11.4	7.0	10.4#	
104	5.7	4.2	6.2	





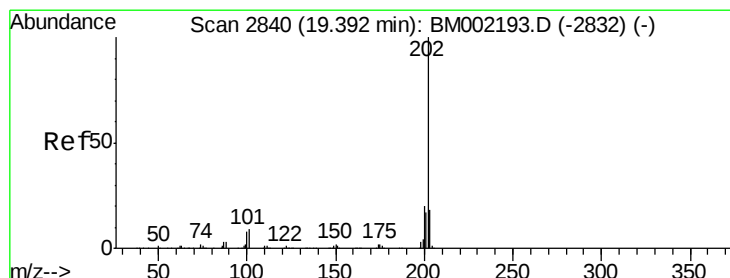
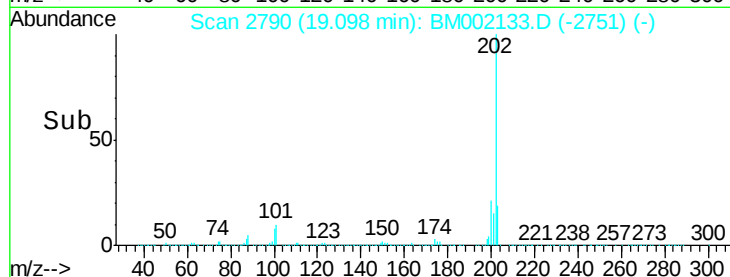
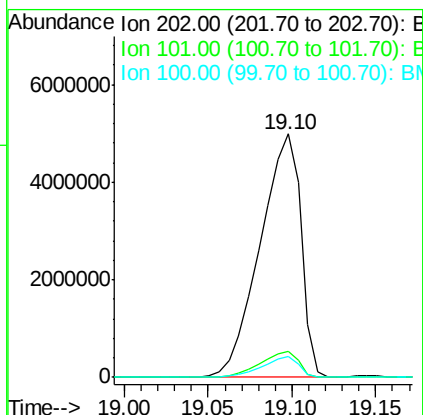
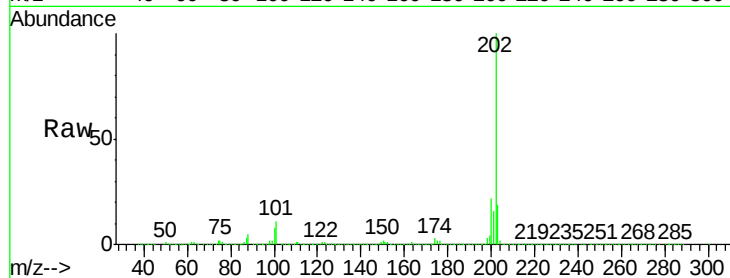
#77
 Fluoranthene
 Concen: 231.50 ng/ul m
 RT: 19.10 min Scan# 2790
 Delta R.T. 0.03 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Instrument :
 BNA_M
 ClientSampleId :
 C02FORE

Tgt Ion:202 Resp: 8392348
 Ion Ratio Lower Upper
 202 100
 101 10.5 6.2 9.4#
 100 8.3 5.2 7.8#

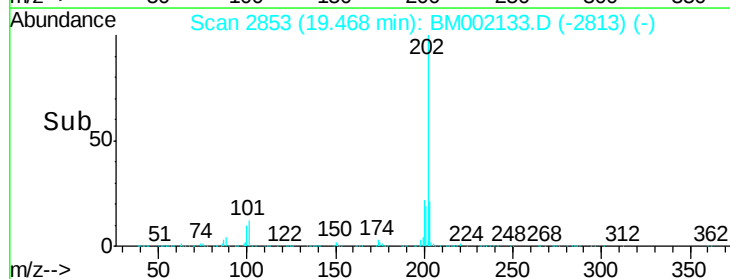
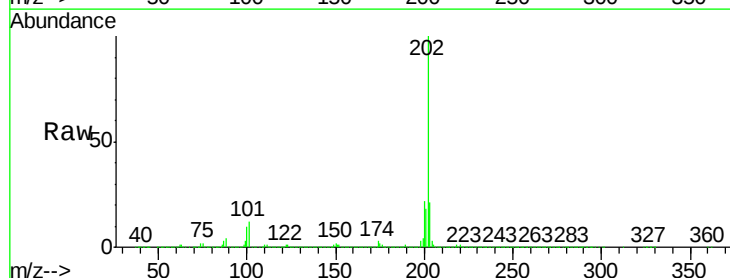
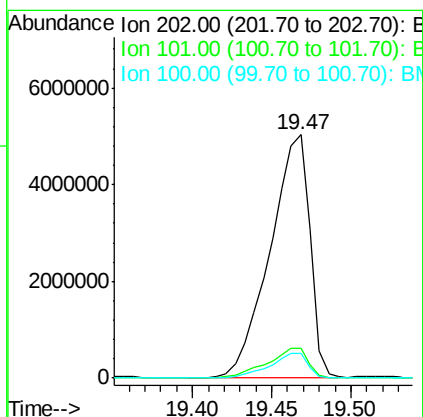
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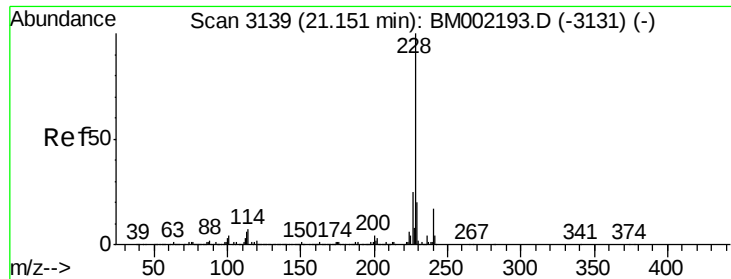
MMDadoda
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#80
 Pyrene
 Concen: 265.27 ng/ul
 RT: 19.47 min Scan# 2853
 Delta R.T. 0.04 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Tgt Ion:202 Resp: 8794667
 Ion Ratio Lower Upper
 202 100
 101 12.4 7.4 11.2#
 100 10.0 6.3 9.5#





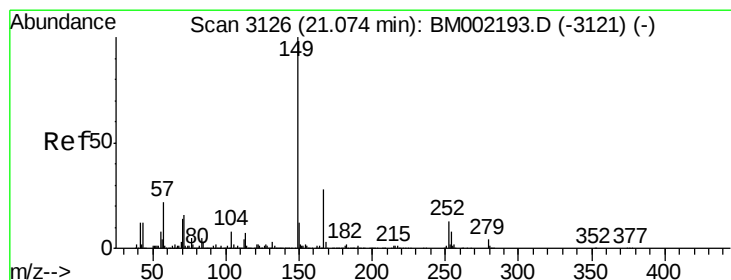
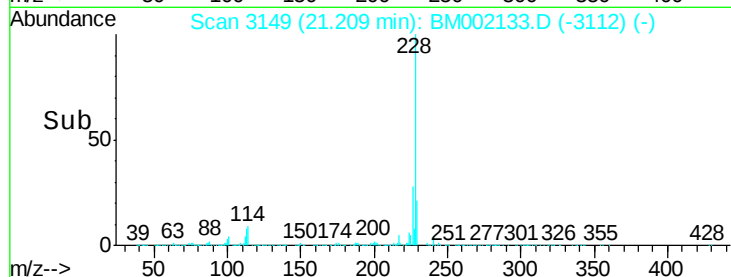
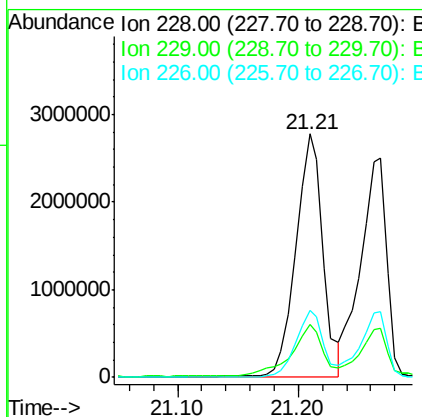
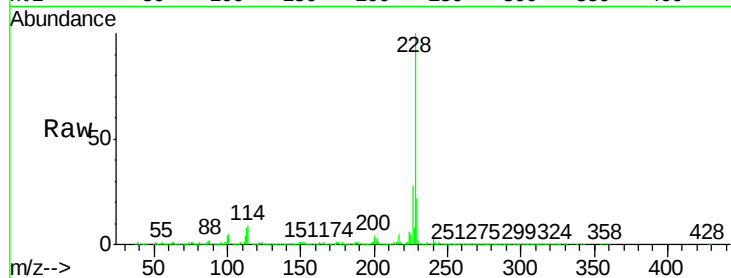
#83
Benzo(a)anthracene
Concen: 126.04 ng/ul
RT: 21.21 min Scan# 3149
Delta R.T. 0.02 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Instrument :
BNA_M
ClientSampleId :
C02FORE

Tgt Ion:228 Resp: 4257071
Ion Ratio Lower Upper
228 100
229 21.5 15.4 23.2
226 27.7 20.5 30.7

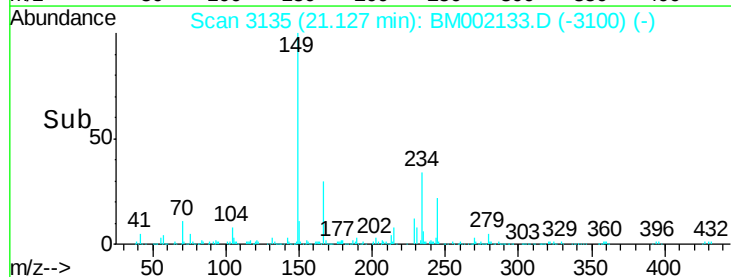
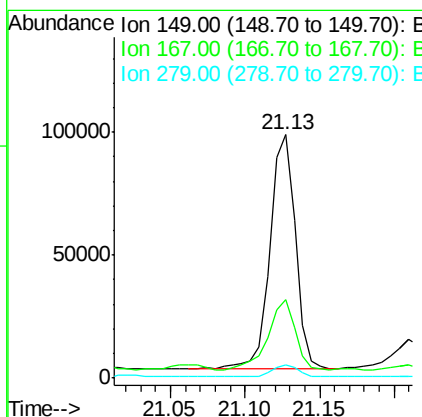
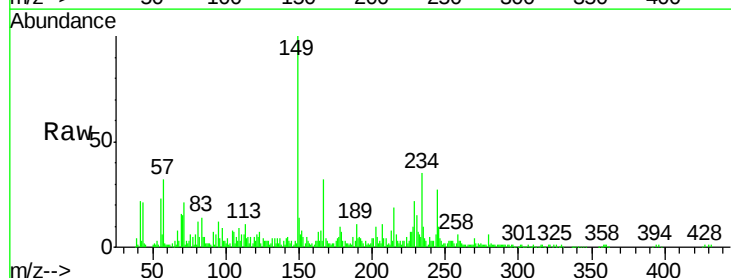
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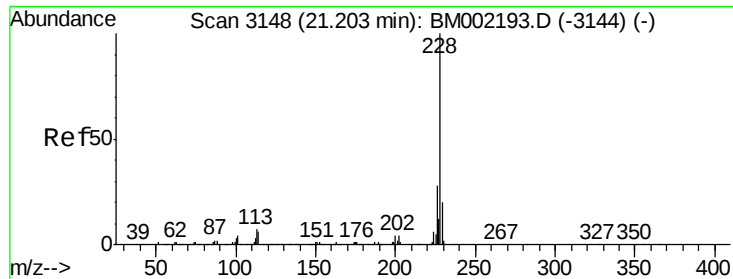
MMDadoda
8/3/2015 11:53:20 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.83 ng/ul
RT: 21.13 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Tgt Ion:149 Resp: 113073
Ion Ratio Lower Upper
149 100
167 32.1 23.6 35.4
279 5.6 4.2 6.4





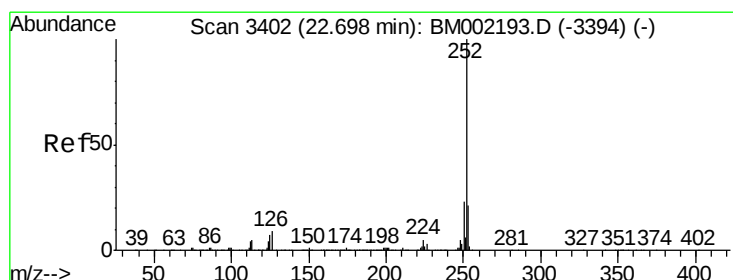
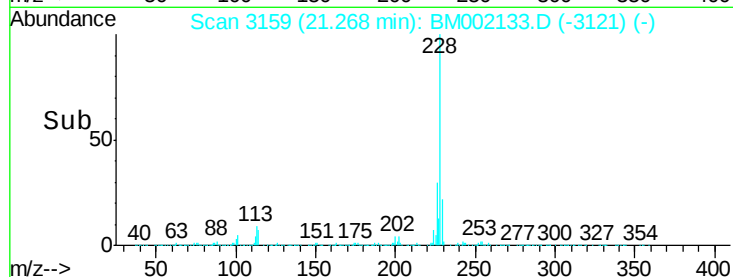
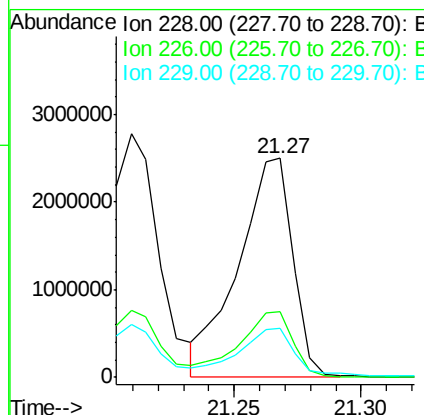
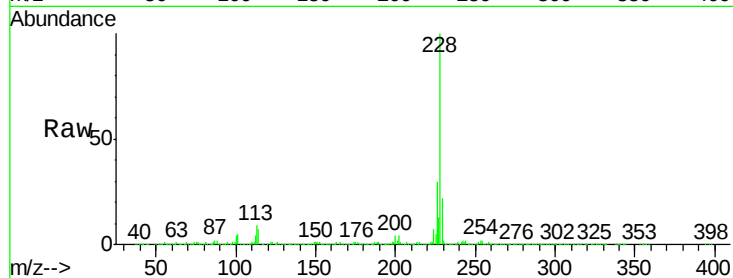
#85
Chrysene
Concen: 118.18 ng/ul
RT: 21.27 min Scan# 3159
Delta R.T. 0.02 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Instrument :
BNA_M
ClientSampleId :
C02FORE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	22.4	15.5	23.3

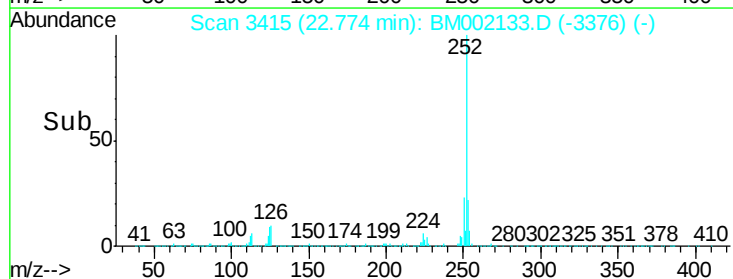
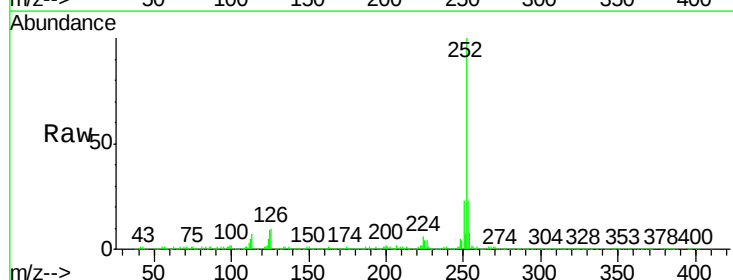
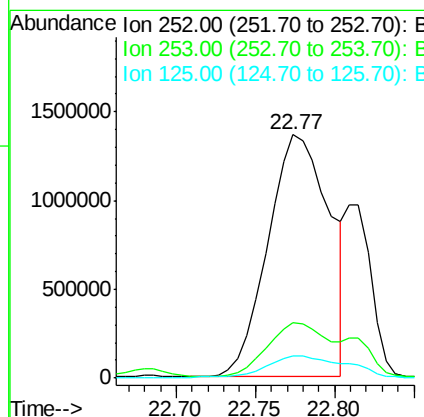
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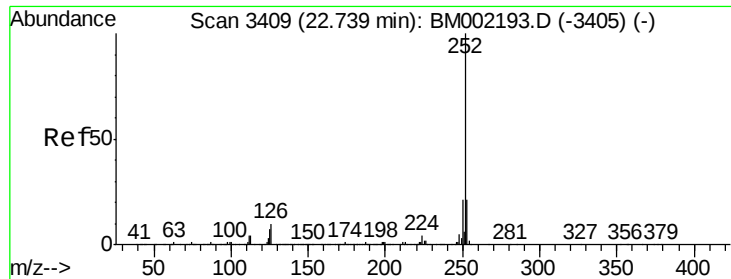
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#88
Benzo(b)fluoranthene
Concen: 112.11 ng/ul
RT: 22.77 min Scan# 3415
Delta R.T. 0.03 min
Lab File: BM002133.D
Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	9.2	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 34.47 ng/ul m

RT: 22.81 min Scan# 3421

Delta R.T. 0.02 min

Lab File: BM002133.D

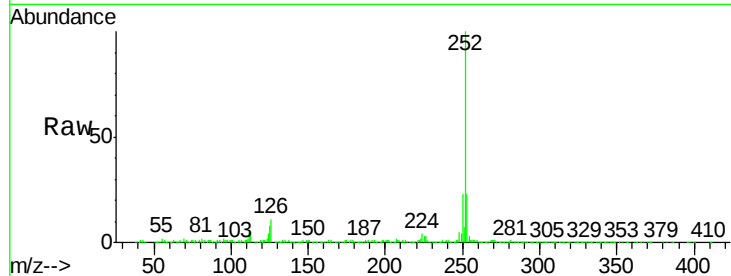
Acq: 30 Jul 2015 13:00

Instrument :

BNA_M

ClientSampleId :

C02F0RE



Tgt Ion:252 Resp: 1091752

Ion Ratio Lower Upper

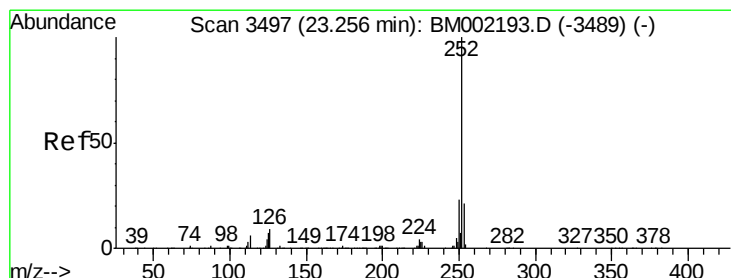
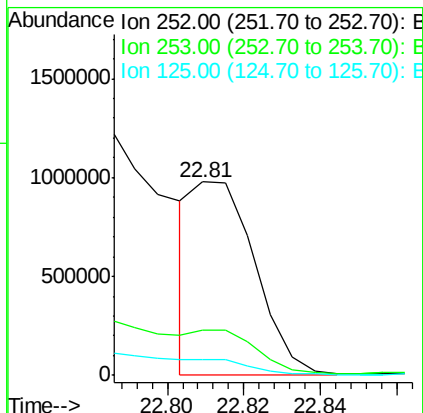
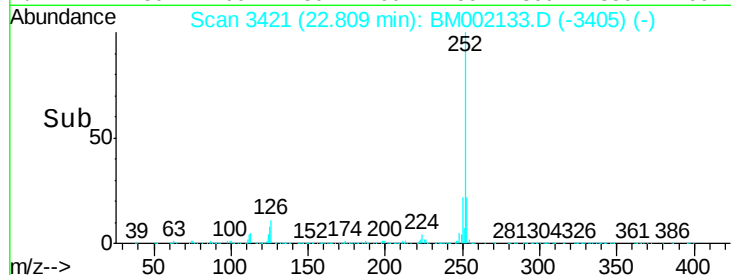
252 100

253 23.3 17.4 26.0

125 8.4 6.2 9.4

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#91

Benzo(a)pyrene

Concen: 91.41 ng/ul

RT: 23.34 min Scan# 3512

Delta R.T. 0.04 min

Lab File: BM002133.D

Acq: 30 Jul 2015 13:00

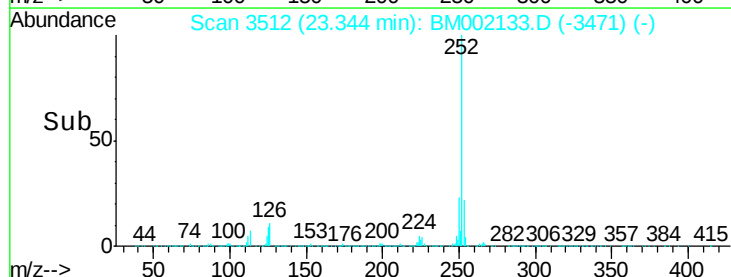
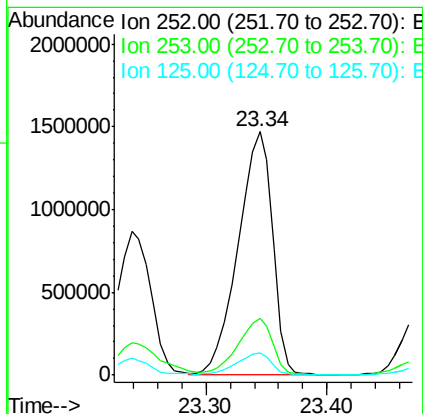
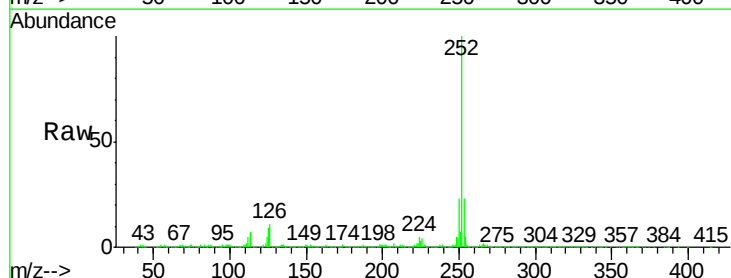
Tgt Ion:252 Resp: 2896188

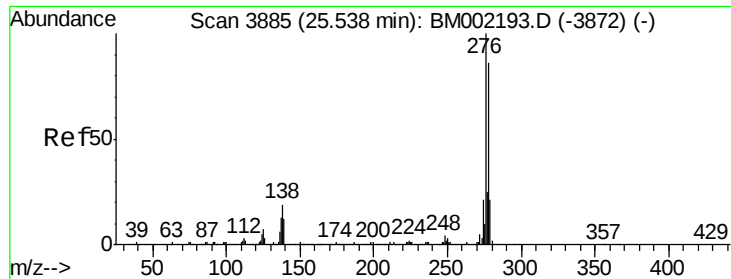
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 9.0 6.6 10.0





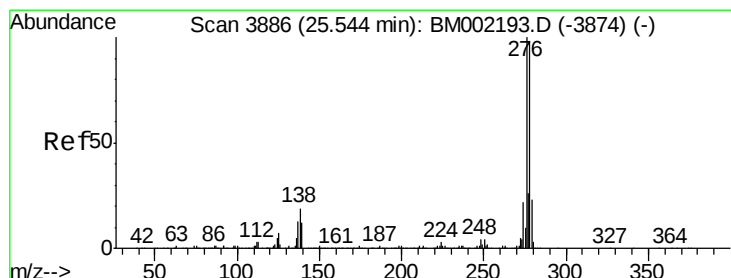
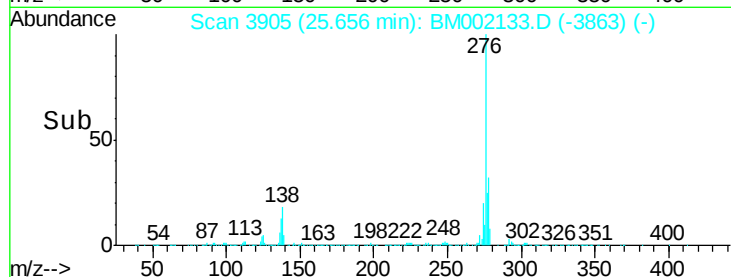
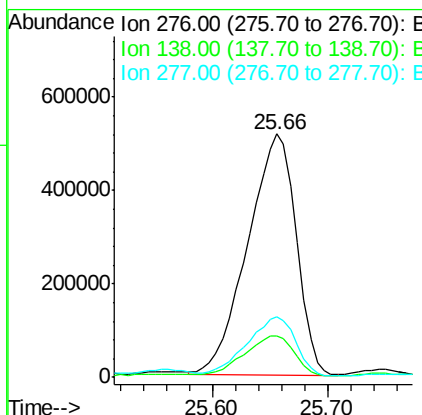
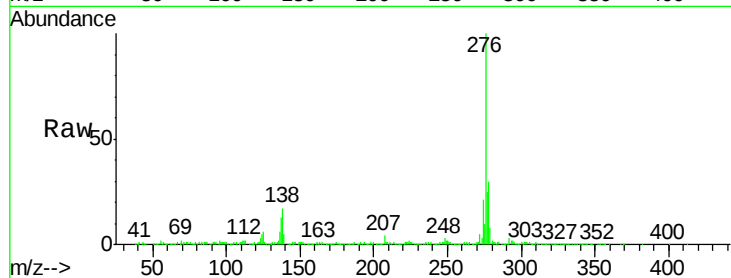
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 41.35 ng/ul
 RT: 25.66 min Scan# 3905
 Delta R.T. 0.05 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Instrument :
 BNA_M
 ClientSampleId :
 C02FORE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.2	24.2
277	24.9	19.8	29.8

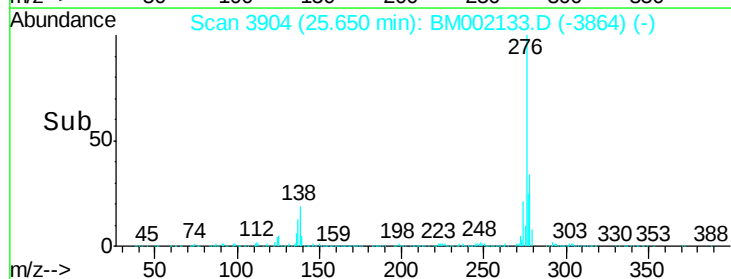
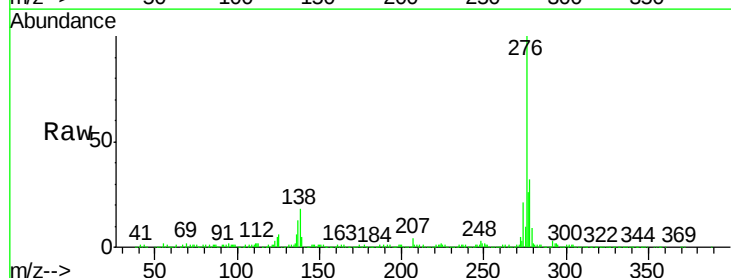
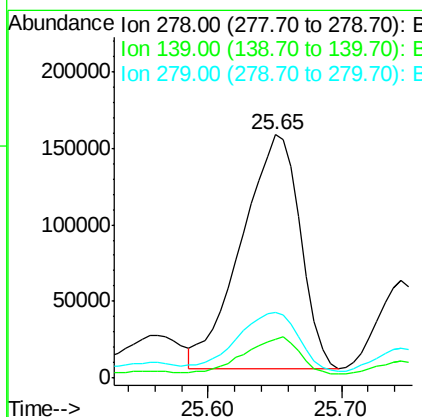
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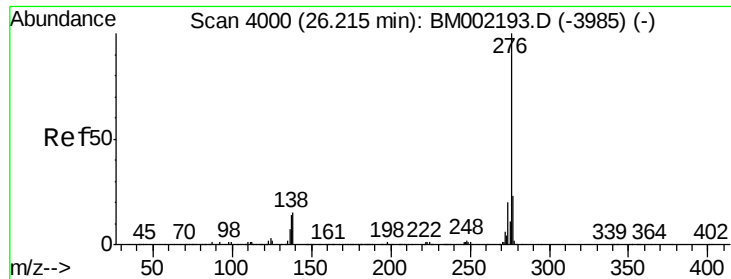
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#93
 Dibenzo(a,h)anthracene
 Concen: 14.93 ng/ul
 RT: 25.65 min Scan# 3904
 Delta R.T. 0.04 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	10.6	16.0#
279	27.1	18.5	27.7





#94
 Benzo(g,h,i)perylene
 Concen: 41.89 ng/ul
 RT: 26.34 min Scan# 4022
 Delta R.T. 0.06 min
 Lab File: BM002133.D
 Acq: 30 Jul 2015 13:00

Instrument :
 BNA_M
 ClientSampleId :
 C02FORE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.8	20.6
277	24.4	18.2	27.2

Manual Integrations
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