

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080315\
 Data File : BM002208.D
 Acq On : 03 Aug 2015 21:39
 Operator : TP/UM
 Sample : G3095-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01R8

Manual Integrations
 APPROVED

MMDadoda
 8/6/2015 4:16:43 PM

Quant Time: Aug 13 18:19:08 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	112274	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	475534	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	281756	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	534996	20.00	ng/ul	0.01
78) Chrysene-d12	21.19	240	532935	20.00	ng/ul	0.02
86) Perylene-d12	23.39	264	547950	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	2290	1.06	ng/uL	0.00
5) Phenol-d5	6.73	99	82557	10.29	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	42311	9.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	68807	10.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	67842	10.63	ng/ul	0.01
19) Nitrobenzene-d5	8.70	128	34983	10.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	39371	10.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	77847	10.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	45214	5.69	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	223951	10.85	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	277900	10.77	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	25583	7.43	ng/ul	0.02
58) Fluorene-d10	15.21	176	194109	10.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	702	0.21	ng/ul	0.02
71) Anthracene-d10	17.07	188	261113	10.93	ng/ul	0.01
79) Pyrene-d10	19.38	212	244820	10.91	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.24	264	277736	10.46	ng/ul	0.04

Target Compounds

						Ovalue
28) Naphthalene	10.37	128	95662	4.23	ng/ul	98
34) 2-Methylnaphthalene	12.00	142	34407	2.09	ng/ul	95
45) Dimethylphthalate	13.67	163	68206	3.31	ng/ul	99
48) Acenaphthylene	13.93	152	304916	11.45	ng/ul	99
50) Acenaphthene	14.27	153	166110	9.52	ng/ul	98
54) Dibenzofuran	14.61	168	108690	4.34	ng/ul	97
59) Fluorene	15.26	166	198383	9.59	ng/ul	99
70) Phenanthrene	17.02	178	3413820	123.19	ng/ul	99
72) Anthracene	17.10	178	855396	30.19	ng/ul	99
75) Carbazole	17.38	167	210529	8.70	ng/ul	98
77) Fluoranthene	19.06	202	5555784m	173.64	ng/ul	
80) Pyrene	19.43	202	5583717	192.54	ng/ul	97
83) Benzo(a)anthracene	21.17	228	3082985	104.36	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.09	149	2670918	157.51	ng/ul	100
85) Chrysene	21.23	228	2940433	106.38	ng/ul	95
88) Benzo(b)fluoranthene	22.74	252	3736603	121.36	ng/ul	97
89) Benzo(k)fluoranthene	22.77	252	1145006m	38.54	ng/ul	
91) Benzo(a)pyrene	23.30	252	2837326	95.47	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.62	276	1851814	54.07	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.60	278	532391	18.16	ng/ul#	92
94) Benzo(a,h,i)perylene	26.31	276	1671061	58.21	ng/ul	97

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080315\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 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

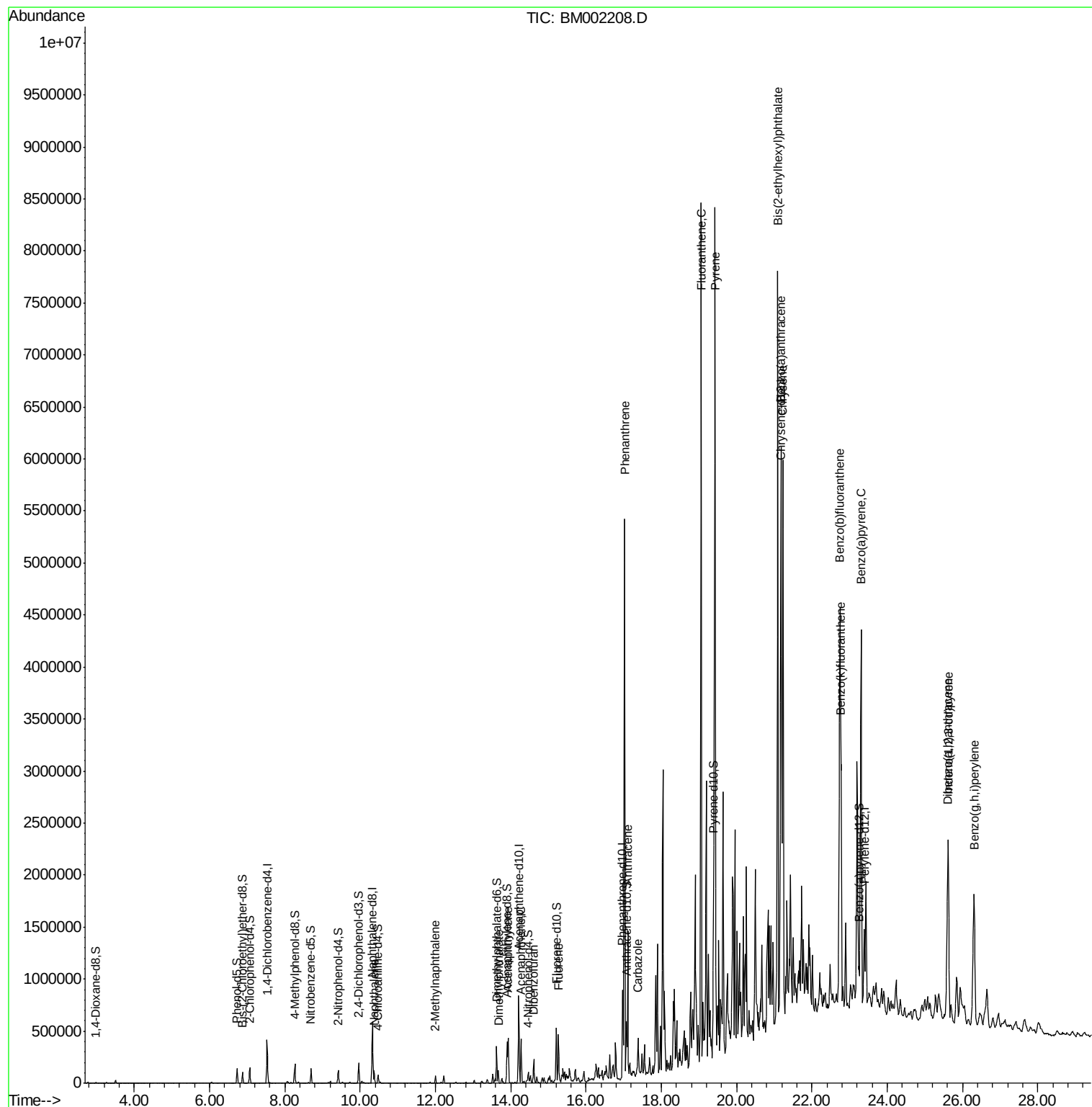
Data Path : Z:\HPCHEM1\BNA M\DATA\BM080315\
Data File : BM002208.D
Acq On : 03 Aug 2015 21:39
Operator : TP/UM
Sample : G3095-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

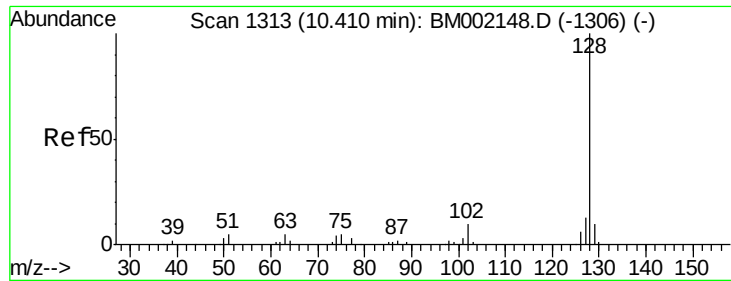
Instrument :
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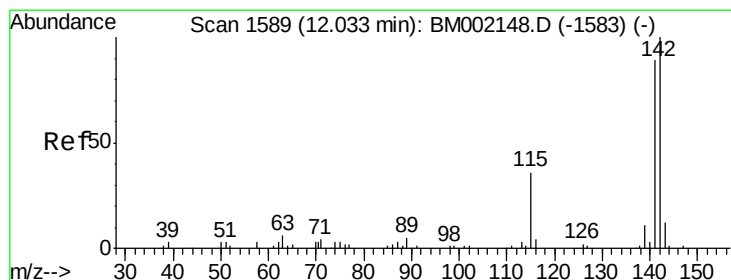
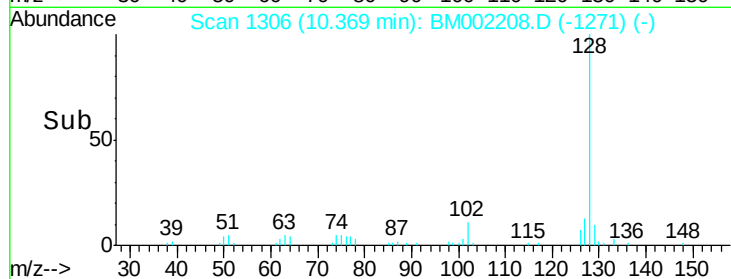
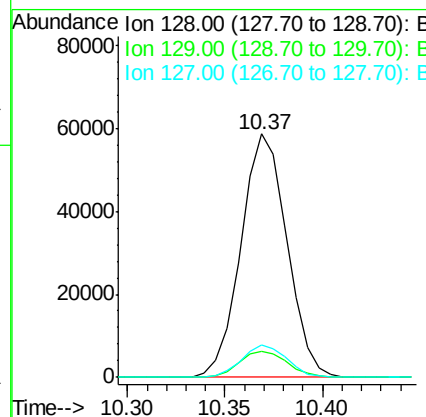
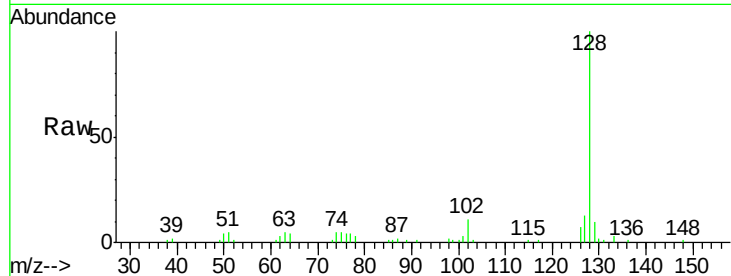
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Naphthalene
Concen: 4.23 ng/ul
RT: 10.37 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Instrument :
BNA_M
ClientSampleId :
C01R8

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.4
127	13.3	10.2	15.4

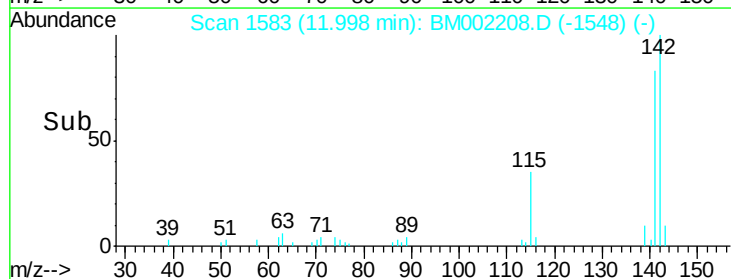
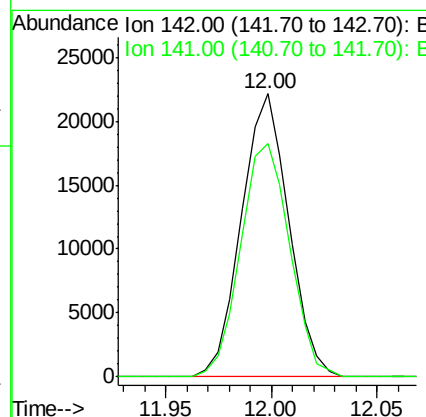
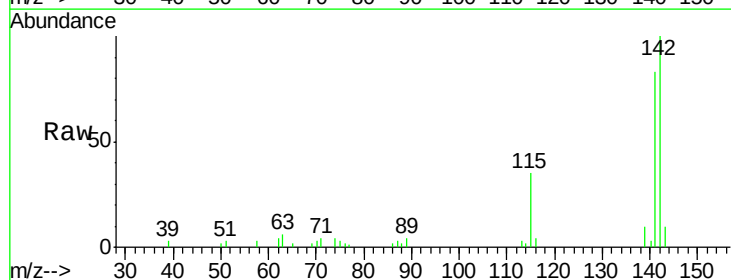
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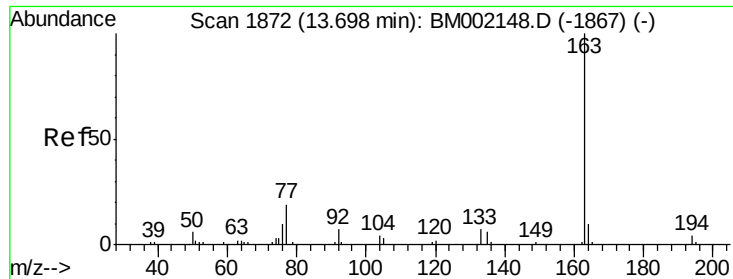
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#34
2-Methylnaphthalene
Concen: 2.09 ng/ul
RT: 12.00 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	69.8	104.6





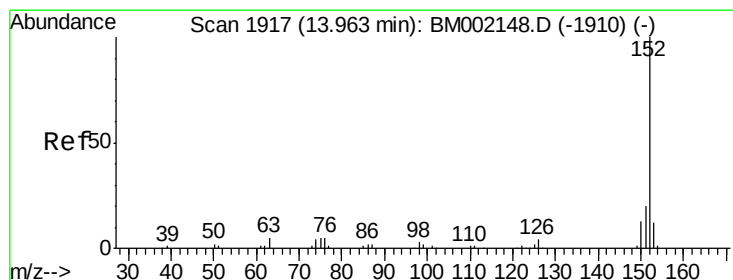
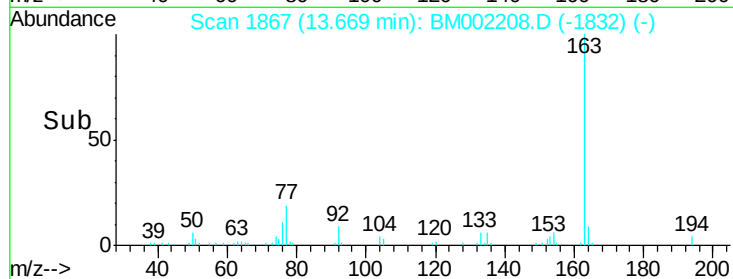
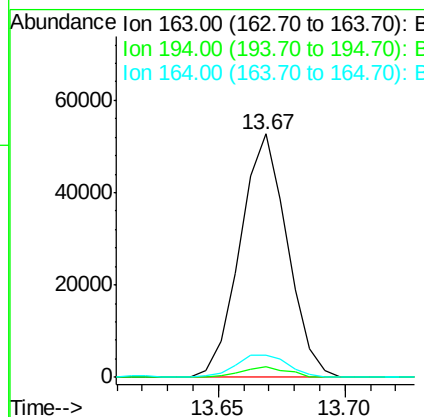
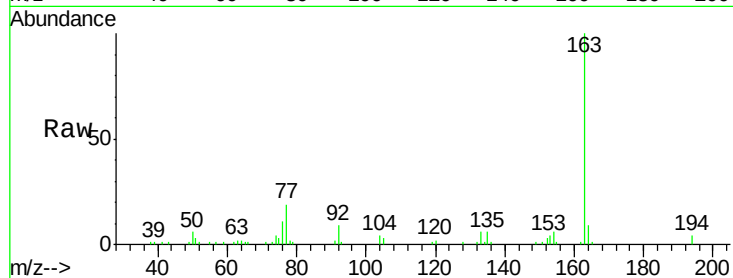
#45
Dimethylphthalate
Concen: 3.31 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Instrument :
BNA_M
ClientSampleId :
C01R8

Tot Ion:	163	Resp:	68206
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.5	5.3
164	9.4	8.0	12.0

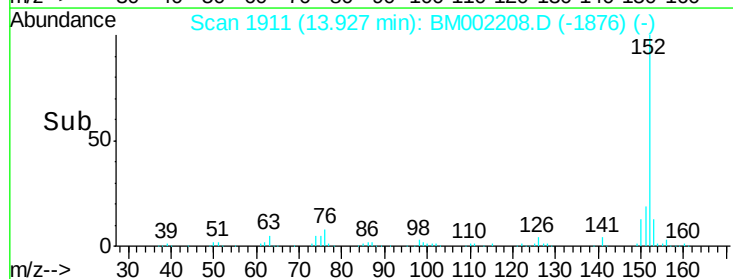
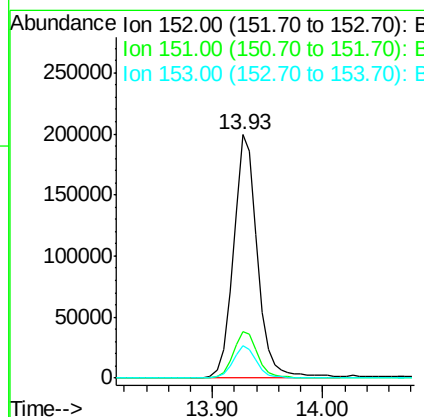
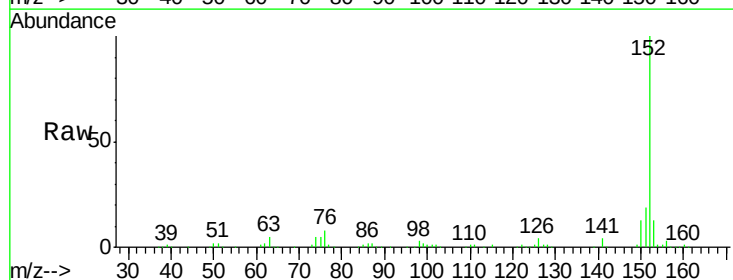
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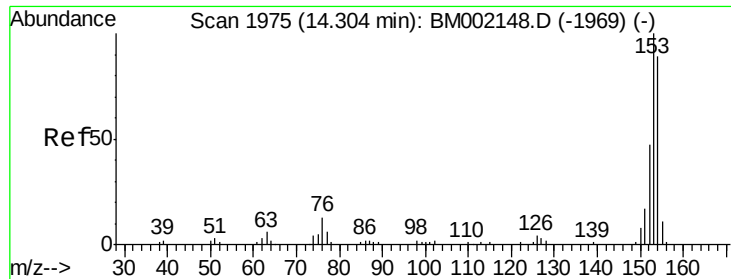
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#48
Acenaphthylene
Concen: 11.45 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Tgt Ion:	152	Resp:	304916
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.6	23.4
153	13.4	10.3	15.5





#50

Acenaphthene

Concen: 9.52 ng/ul

RT: 14.27 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BM002208.D

Acq: 03 Aug 2015 21:39

Instrument :

BNA_M

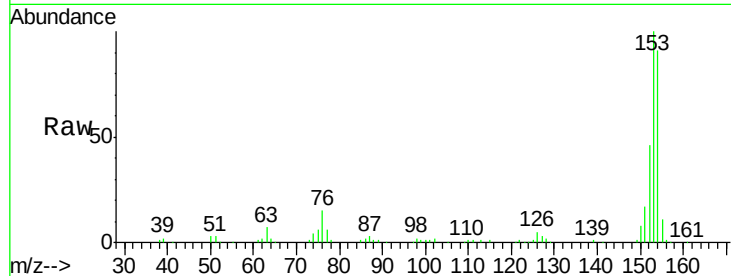
ClientSampleId :

C01R8

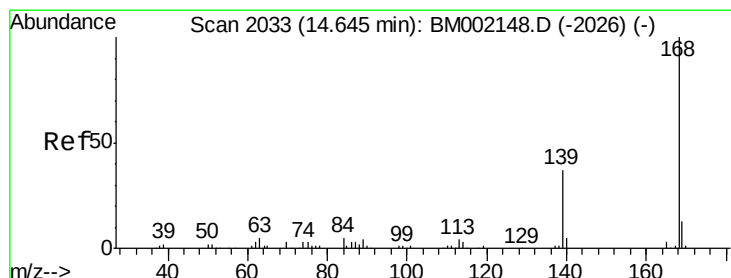
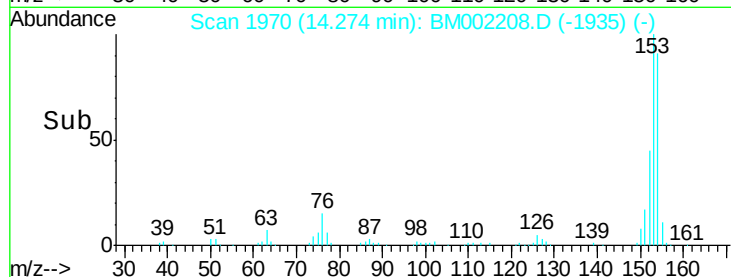
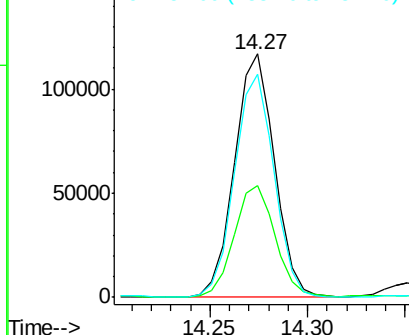
Tot Ion:	153	Resp:	166110
Ion Ratio	Lower	Upper	
153	100		
152	46.1	37.3	55.9
154	91.5	71.4	107.2

Manual Integrations
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 4.34 ng/ul

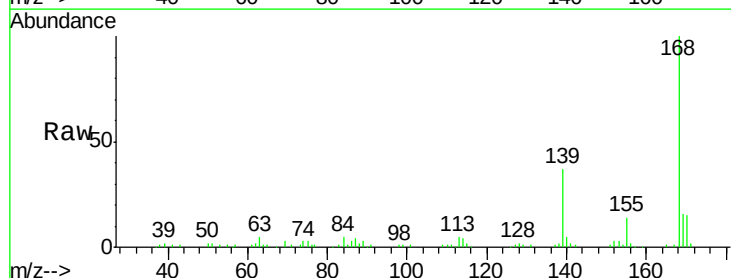
RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

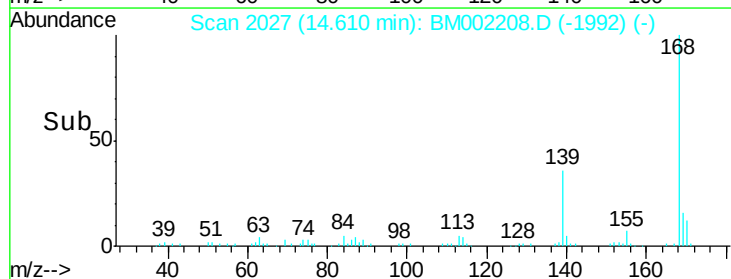
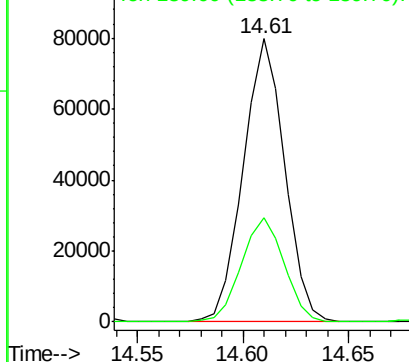
Lab File: BM002208.D

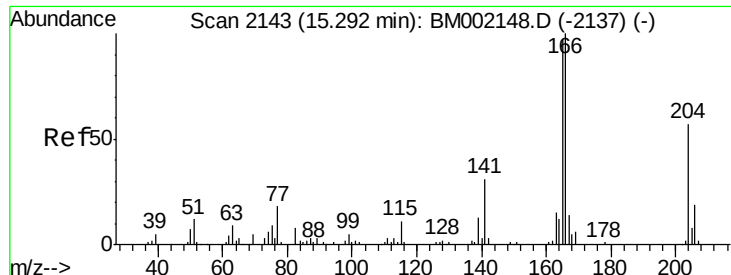
Acq: 03 Aug 2015 21:39

Tgt Ion:	168	Resp:	108690
Ion Ratio	Lower	Upper	
168	100		
139	36.9	28.2	42.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





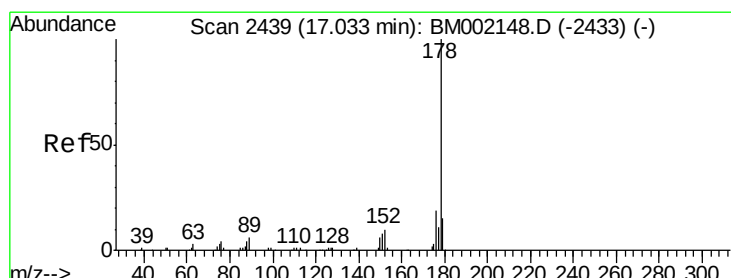
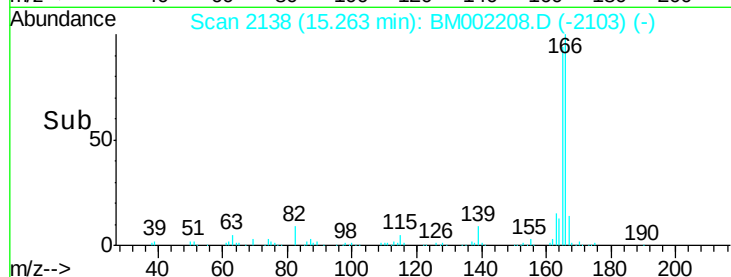
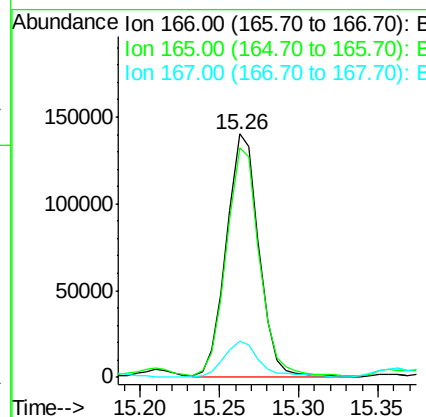
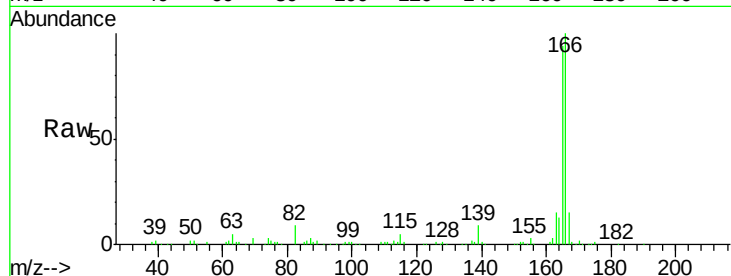
#59
Fluorene
 Concen: 9.59 ng/ul
 RT: 15.26 min Scan# 2138
 Delta R.T. 0.01 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Instrument :
 BNA_M
 ClientSampleId :
 C01R8

Tot Ion	Ratio	Resp	Lower	Upper
166	100	198383		
165	94.4	75.6	113.4	
167	15.0	10.5	15.7	

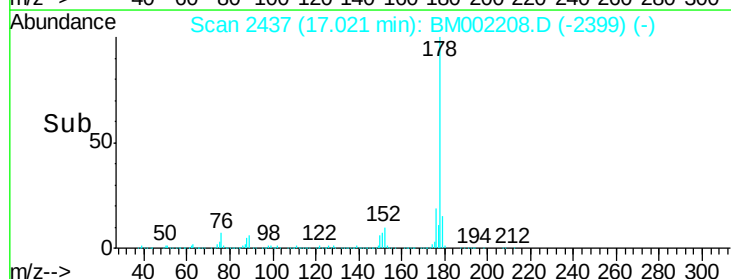
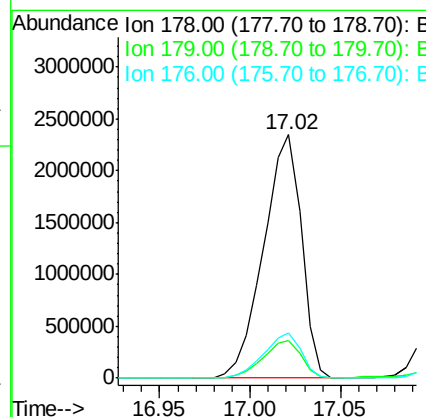
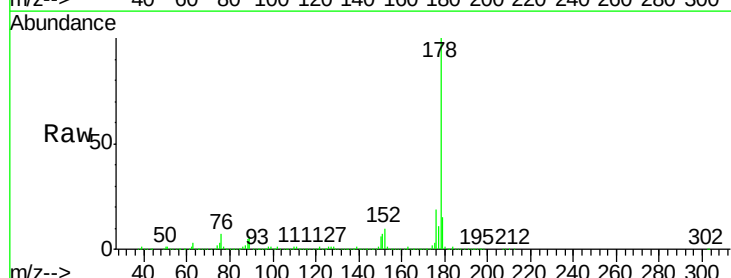
Manual Integrations
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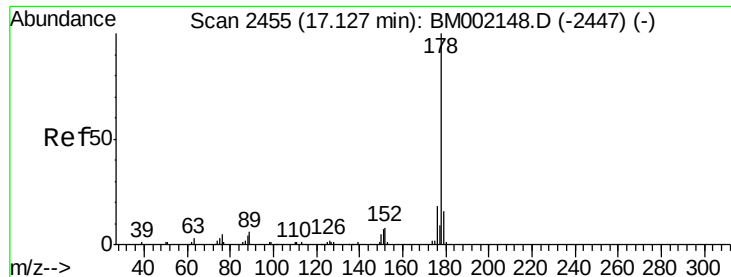
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 8/6/2015 4:16:43 PM



#70
Phenanthrene
 Concen: 123.19 ng/ul
 RT: 17.02 min Scan# 2437
 Delta R.T. 0.02 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3413820		
179	15.4	12.5	18.7	
176	18.6	14.2	21.4	





#72

Anthracene

Concen: 30.19 ng/ul

RT: 17.10 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BM002208.D

Acq: 03 Aug 2015 21:39

Instrument :

BNA_M

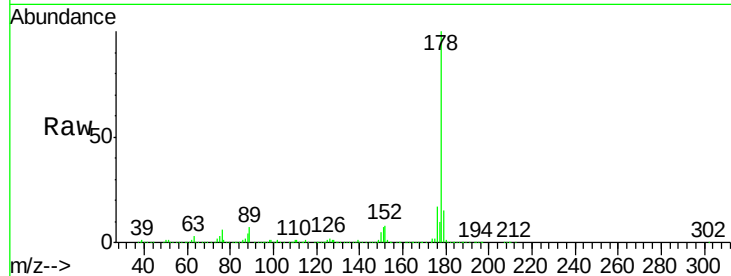
ClientSampleId :

C01R8

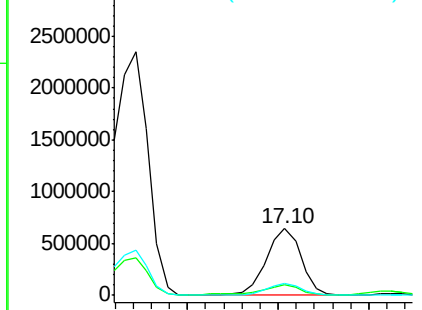
Tot Ion:178	Resp:	855396
Ion Ratio	Lower	Upper
178	100	
179	15.5	12.1 18.1
176	17.4	14.1 21.1

Manual Integrations
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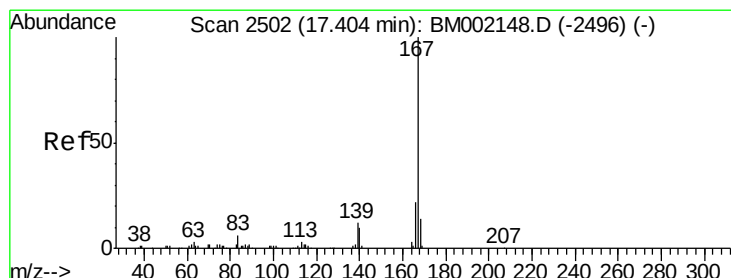
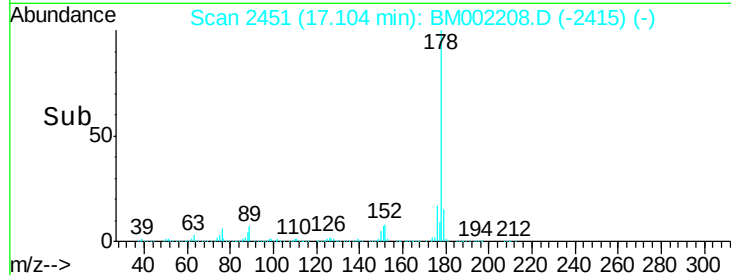
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 8.70 ng/ul

RT: 17.38 min Scan# 2498

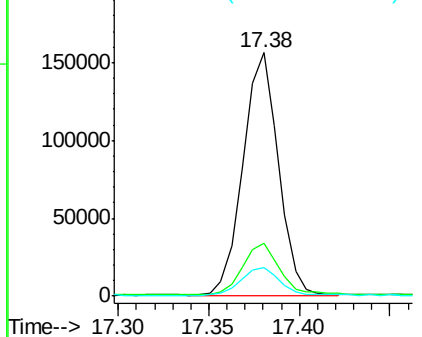
Delta R.T. 0.01 min

Lab File: BM002208.D

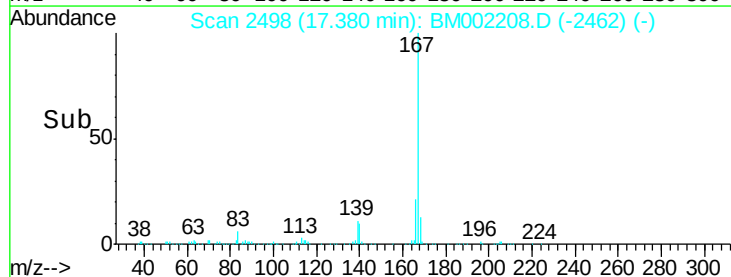
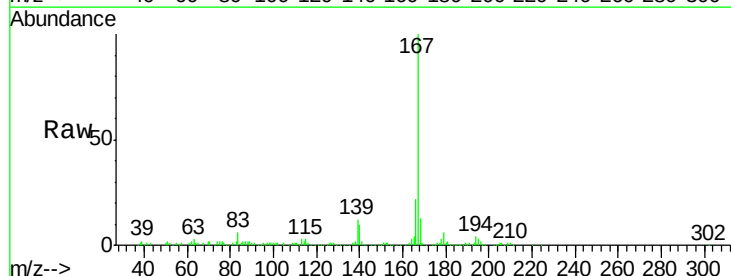
Acq: 03 Aug 2015 21:39

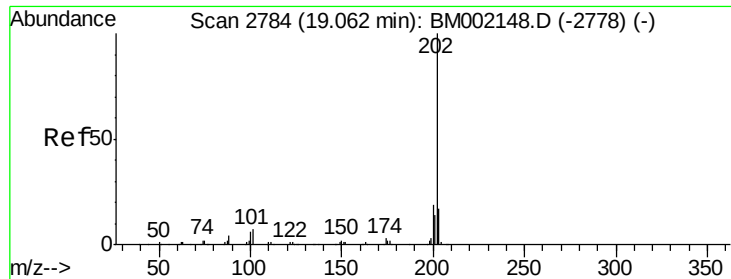
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Ion Ratio	Lower	Upper
167	100	
166	21.8	16.2 24.4
139	11.8	9.6 14.4

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



Time-->





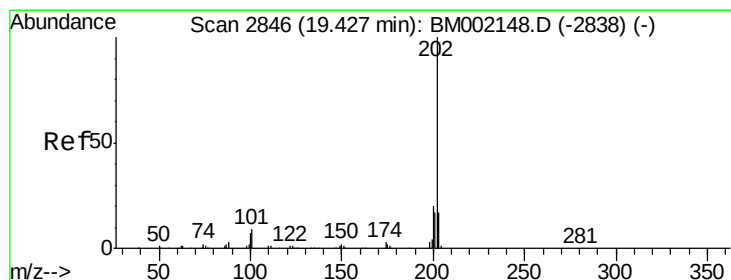
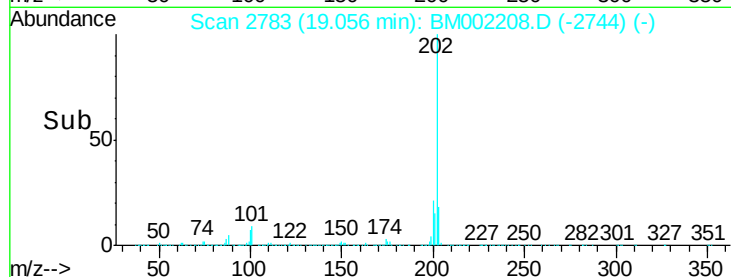
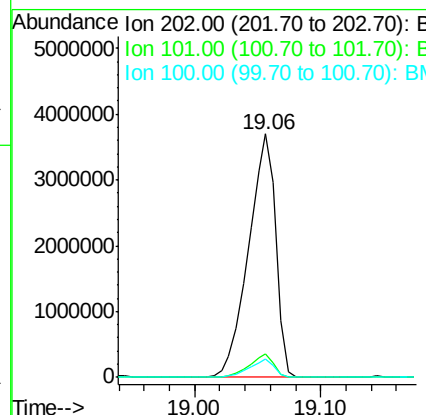
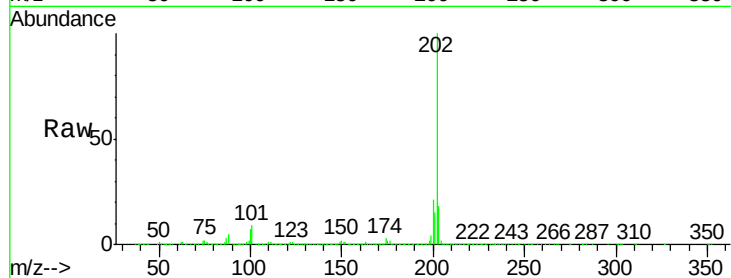
#77
 Fluoranthene
 Concen: 173.64 ng/ul m
 RT: 19.06 min Scan# 2783
 Delta R.T. 0.03 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Instrument :
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 C01R8

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	6.2	9.4#
100	7.4	5.2	7.8

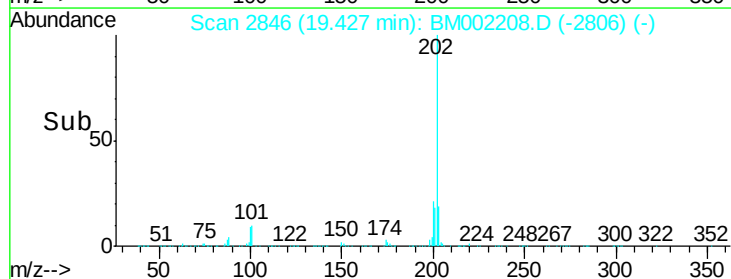
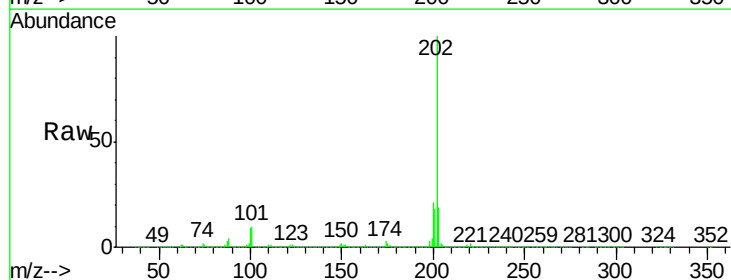
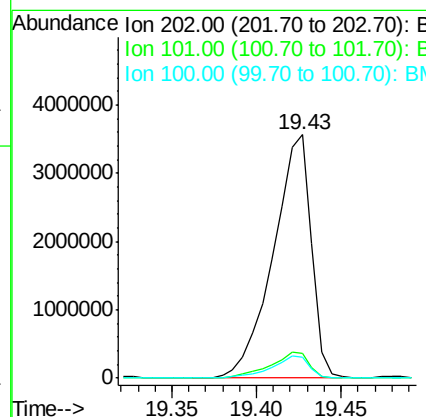
Manual Integrations
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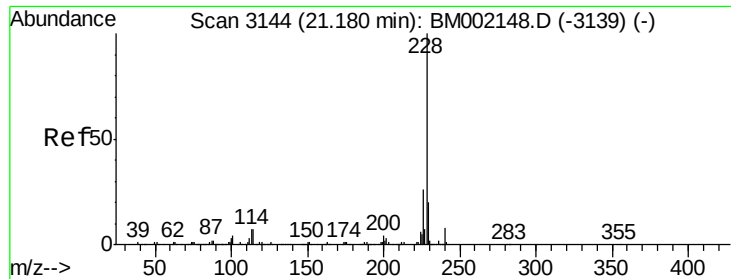
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#80
 Pyrene
 Concen: 192.54 ng/ul
 RT: 19.43 min Scan# 2846
 Delta R.T. 0.04 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.4	11.2
100	8.7	6.3	9.5





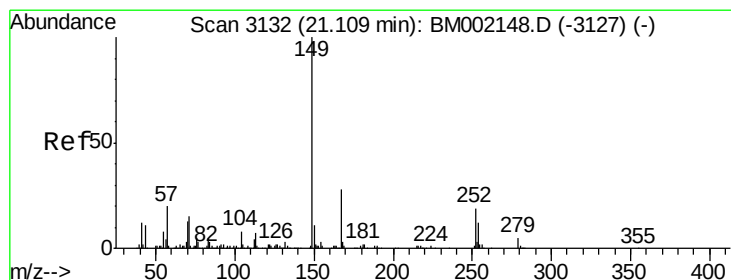
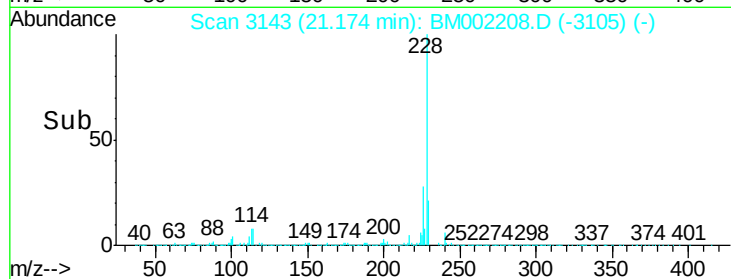
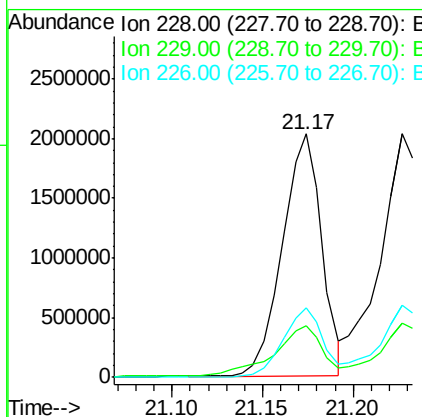
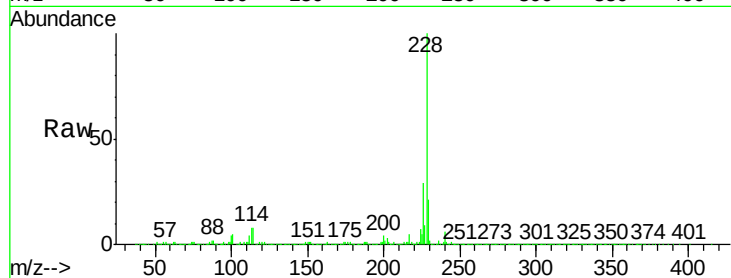
#83
Benzo(a)anthracene
Concen: 104.36 ng/ul
RT: 21.17 min Scan# 3143
Delta R.T. 0.02 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Instrument :
BNA_M
ClientSampleId :
C01R8

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.4	23.2
226	28.5	20.5	30.7

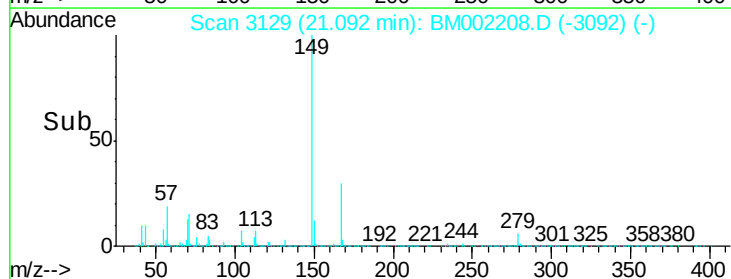
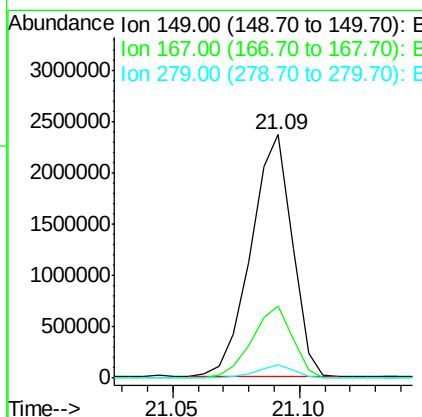
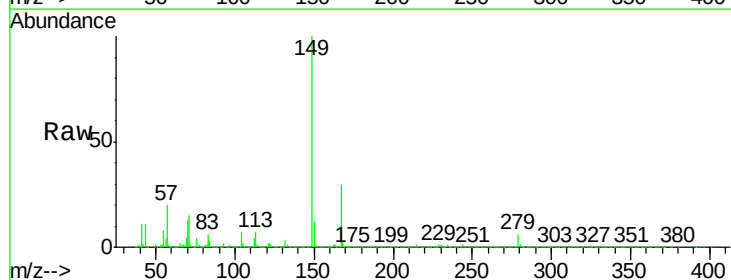
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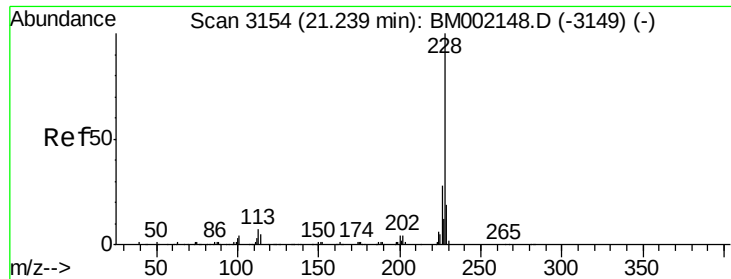
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#84
Bis(2-ethylhexyl)phthalate
Concen: 157.51 ng/ul
RT: 21.09 min Scan# 3129
Delta R.T. 0.02 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.6	35.4
279	5.5	4.2	6.4





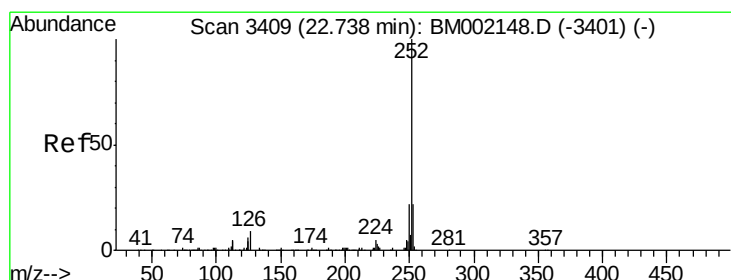
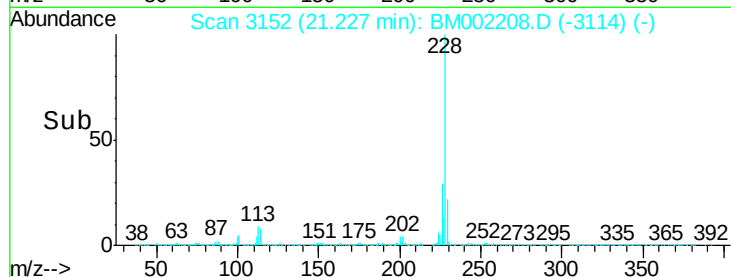
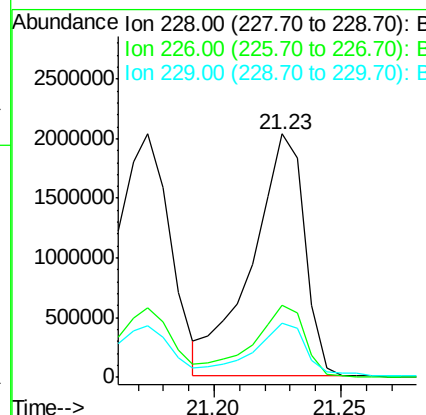
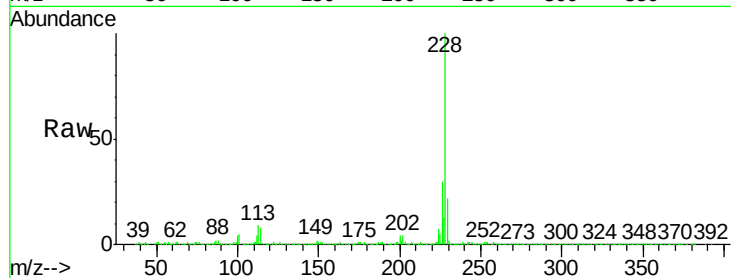
#85
 Chrysene
 Concen: 106.38 ng/ul
 RT: 21.23 min Scan# 3152
 Delta R.T. 0.02 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Instrument :
 BNA_M
 ClientSampleId :
 C01R8

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	22.4	15.5	23.3

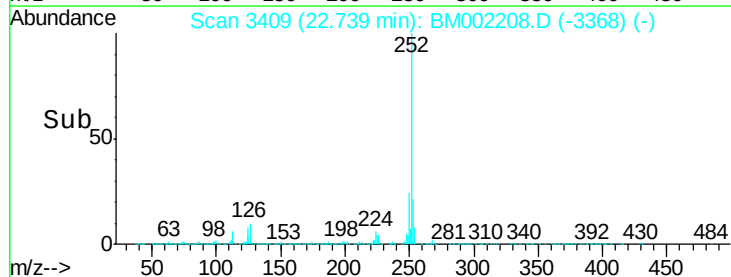
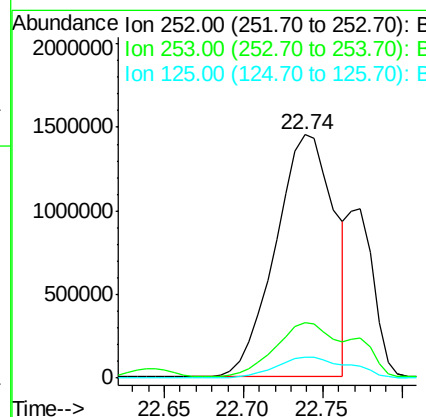
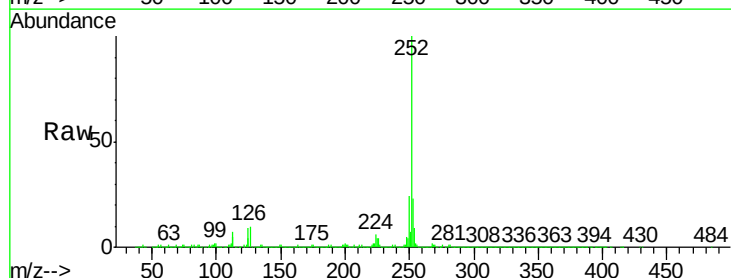
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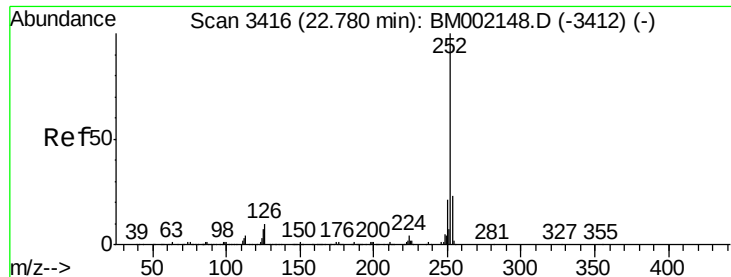
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#88
 Benzo(b)fluoranthene
 Concen: 121.36 ng/ul
 RT: 22.74 min Scan# 3409
 Delta R.T. 0.04 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	8.6	6.2	9.2





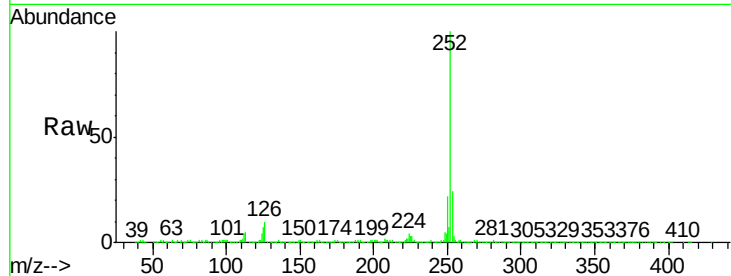
#89
Benzo(k)fluoranthene
Concen: 38.54 ng/ul m
RT: 22.77 min Scan# 3415
Delta R.T. 0.04 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Instrument :
BNA_M
ClientSampleId :
C01R8

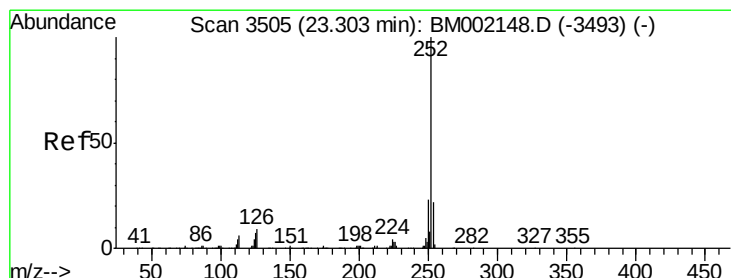
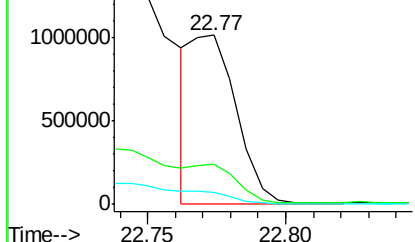
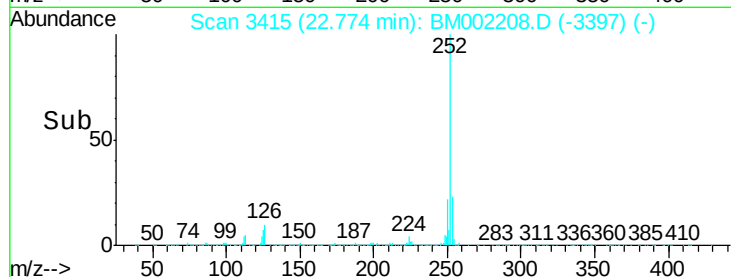
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	7.3	6.2	9.4

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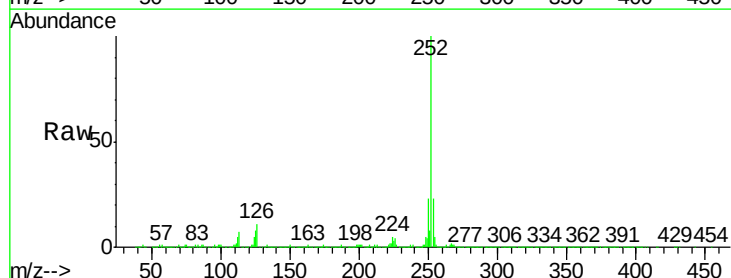


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

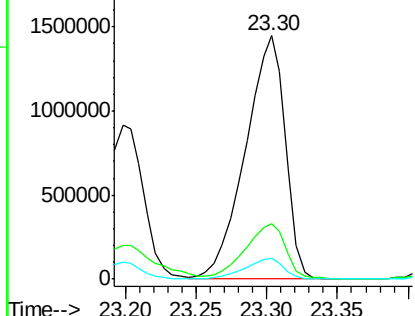
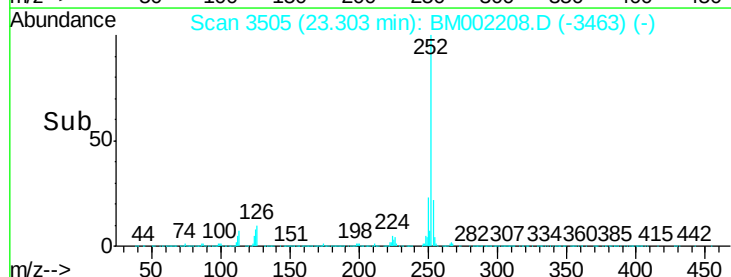


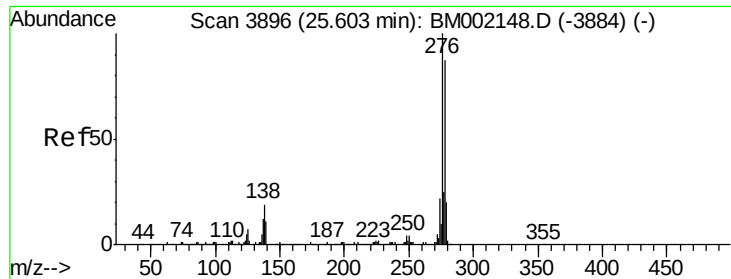
#91
Benzo(a)pyrene
Concen: 95.47 ng/ul
RT: 23.30 min Scan# 3505
Delta R.T. 0.05 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	8.5	6.6	10.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





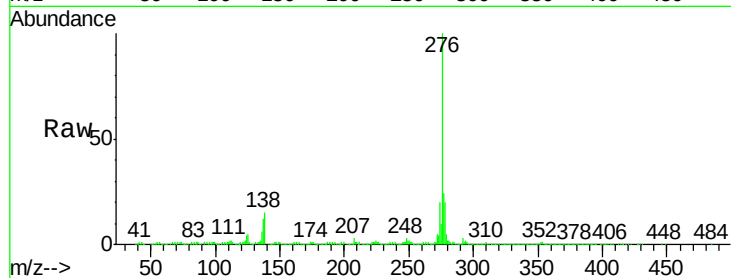
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 54.07 ng/ul
 RT: 25.62 min Scan# 3899
 Delta R.T. 0.08 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Instrument :
 BNA_M
 ClientSampleId :
 C01R8

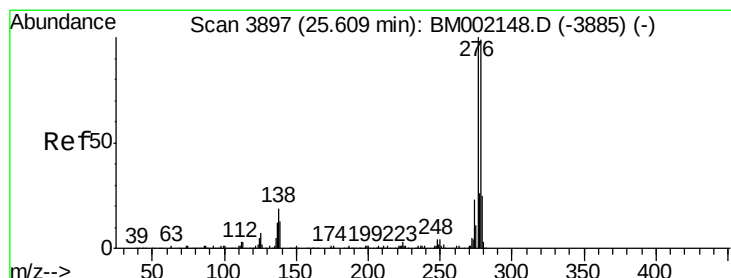
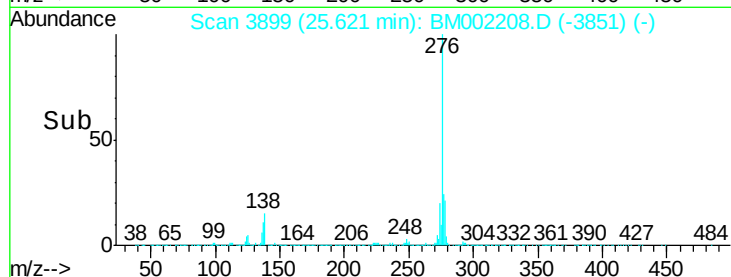
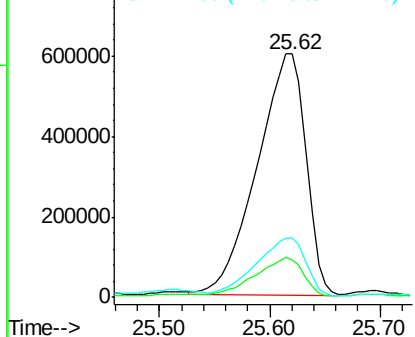
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	16.2	24.2#
277	24.1	19.8	29.8

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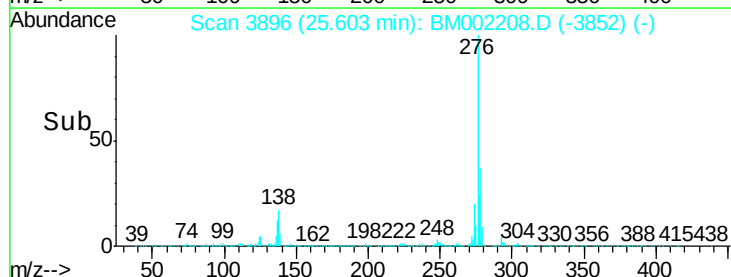
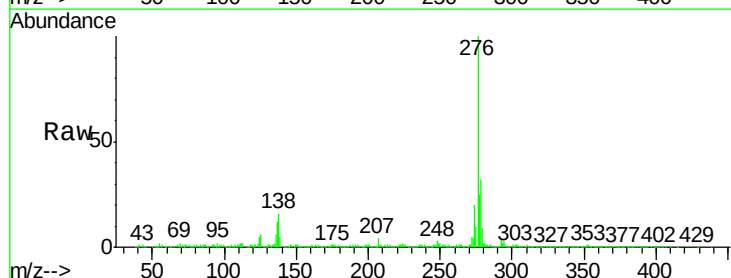
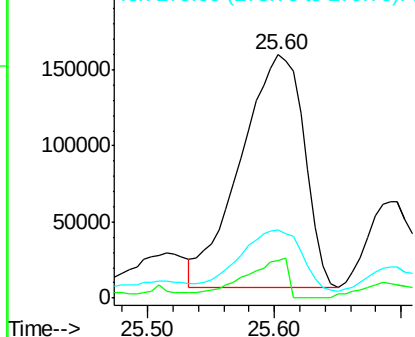
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

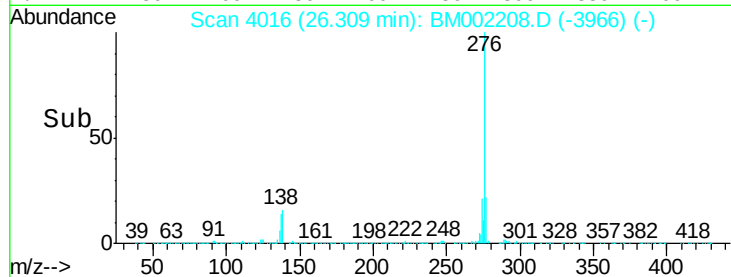
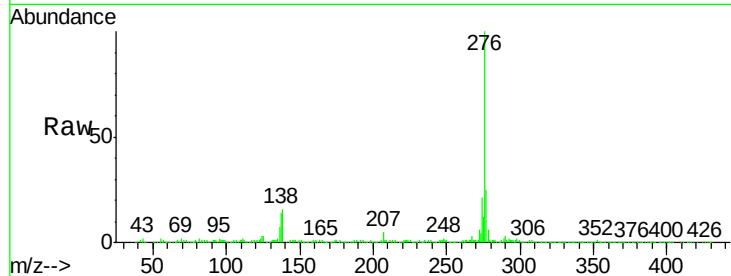
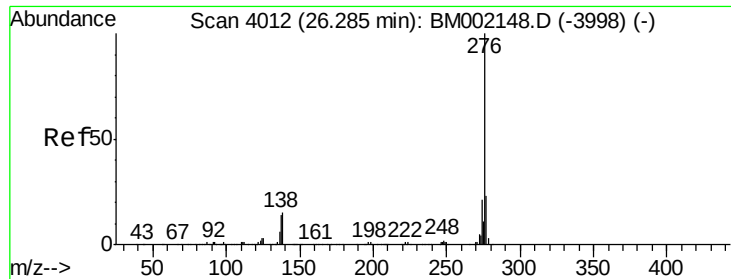


#93
 Dibenzo(a,h)anthracene
 Concen: 18.16 ng/ul
 RT: 25.60 min Scan# 3896
 Delta R.T. 0.06 min
 Lab File: BM002208.D
 Acq: 03 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	10.6	16.0
279	27.8	18.5	27.7#

Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#94
Benzo(a,h,i)perylene
Concen: 58.21 ng/ul
RT: 26.31 min Scan# 4016
Delta R.T. 0.09 min
Lab File: BM002208.D
Acq: 03 Aug 2015 21:39

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.8	20.6
277	25.0	18.2	27.2

Instrument :
BNA_M
ClientSampleId :
C01R8

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