

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
 Data File : BM002149.D
 Acq On : 31 Jul 2015 10:46
 Operator : TP/UM
 Sample : G3030-20DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

Quant Time: Aug 01 02:19:50 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 02:15:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	22168	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	88575	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	52319	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	120051	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	148834	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	146925	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	1383	3.23	ng/uL	0.00
5) Phenol-d5	6.76	99	30708	19.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	16723	19.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	26684	19.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	24019	19.06	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	11681	18.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	13842	19.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	25895	19.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	19638	13.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	77362	20.19	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	87412	18.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	9282	14.51	ng/ul	0.00
58) Fluorene-d10	15.24	176	61164	18.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	7790	10.61	ng/ul	0.00
71) Anthracene-d10	17.09	188	93750	17.49	ng/ul	0.00
79) Pyrene-d10	19.40	212	104761	16.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	114112	16.02	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	27651	6.57 ng/ul	98
34) 2-Methylnaphthalene	12.03	142	6342	2.07 ng/ul	92
35) 1-Methylnaphthalene	12.26	142	4874	1.66 ng/ul#	91
45) Dimethylphthalate	13.70	163	30831	8.06 ng/ul#	98
48) Acenaphthylene	13.96	152	9357	1.89 ng/ul	95
50) Acenaphthene	14.30	153	25476	7.86 ng/ul	98
54) Dibenzofuran	14.64	168	22325	4.80 ng/ul	95
59) Fluorene	15.29	166	30419	7.92 ng/ul	99
70) Phenanthrene	17.03	178	477202	76.74 ng/ul	100
72) Anthracene	17.13	178	124847	19.64 ng/ul	99
75) Carbazole	17.40	167	49091	9.04 ng/ul	96
76) Di-n-butylphthalate	17.96	149	15673	2.42 ng/ul	98
77) Fluoranthene	19.06	202	789713	109.99 ng/ul	99
80) Pyrene	19.43	202	681083	84.10 ng/ul	99
81) Butylbenzylphthalate	20.33	149	3999	1.29 ng/ul#	79
83) Benzo(a)anthracene	21.19	228	385848	46.77 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.11	149	59319	12.53 ng/ul	99
85) Chrysene	21.24	228	357250	46.28 ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	407056	49.30 ng/ul	98
89) Benzo(k)fluoranthene	22.74	252	279522	35.09 ng/ul	99
91) Benzo(a)pyrene	23.30	252	284897	35.75 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	175279	19.09 ng/ul#	94
93) Dibenz(a,h)anthracene	25.60	278	51454	6.55 ng/ul	92

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Response via : Initial Calibration

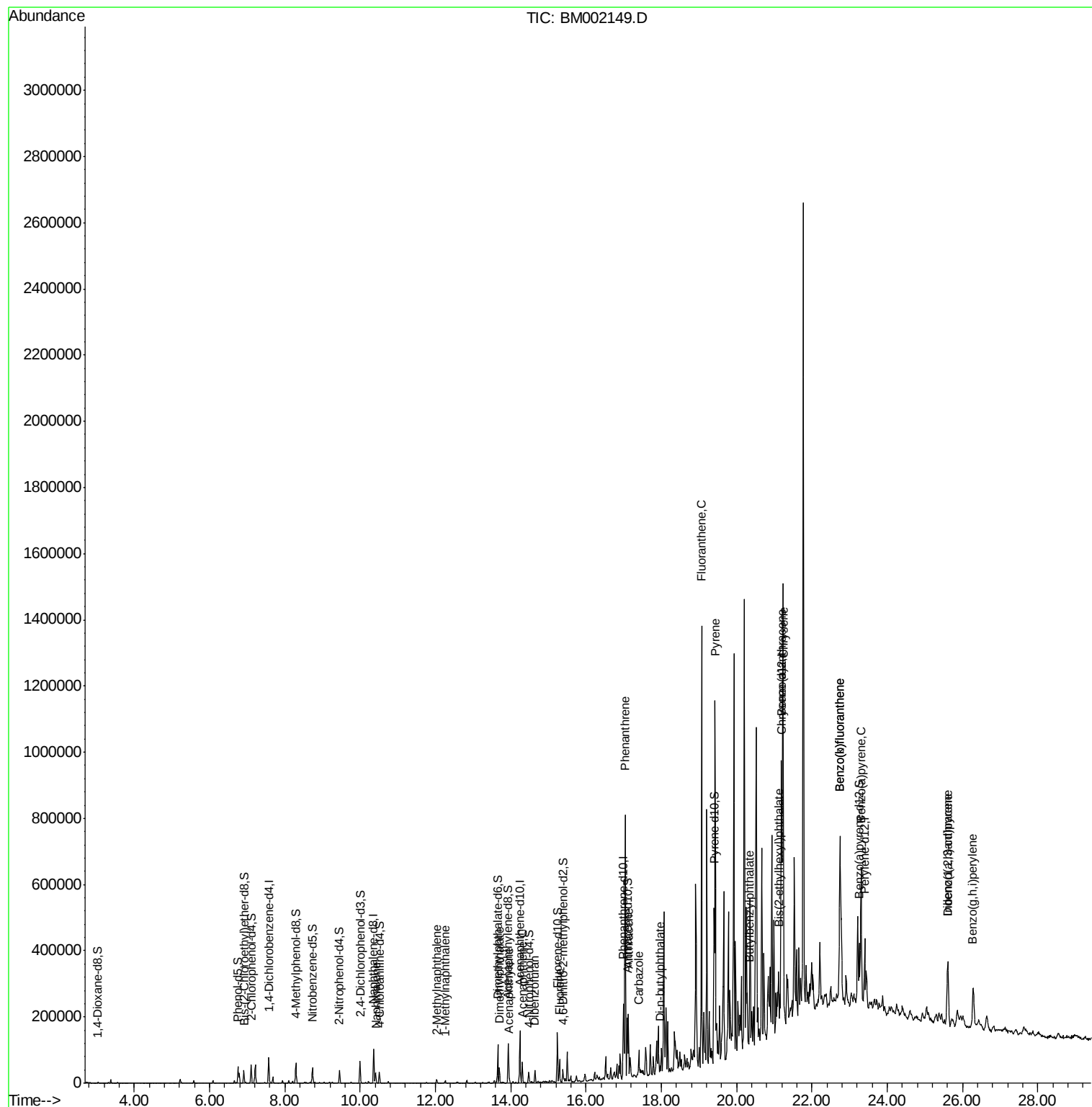
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.28	276	152998	19.88	ng/ul	96

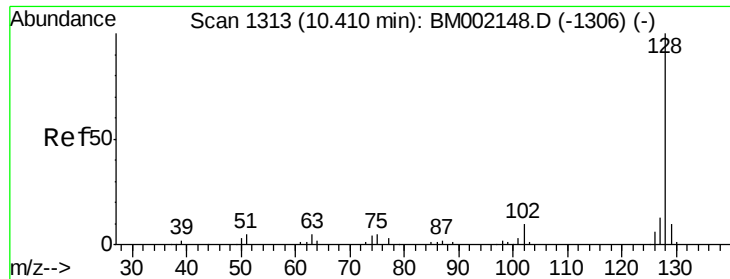
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 6.57 ng/ul

RT: 10.41 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Instrument :

BNA_M

ClientSampleId :

C02K6DL

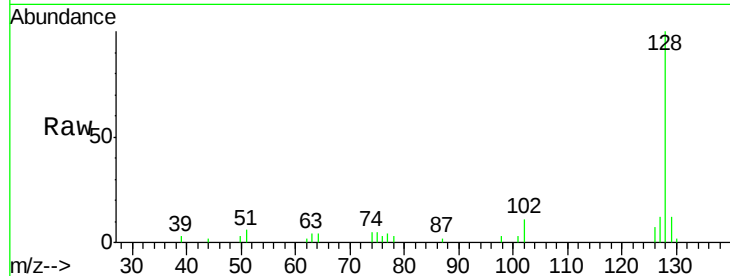
Tot Ion:128 Resp: 27651

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

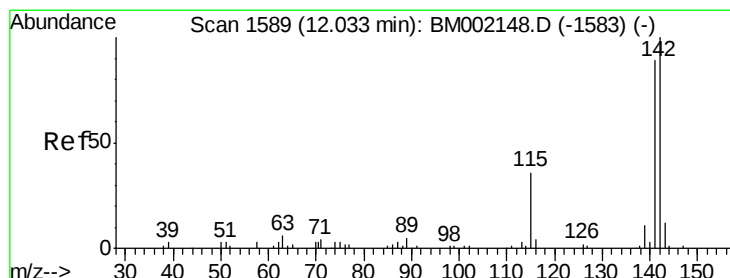
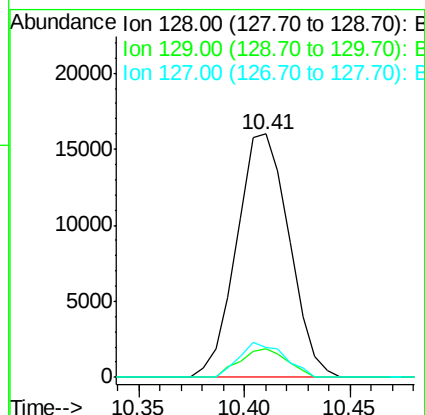
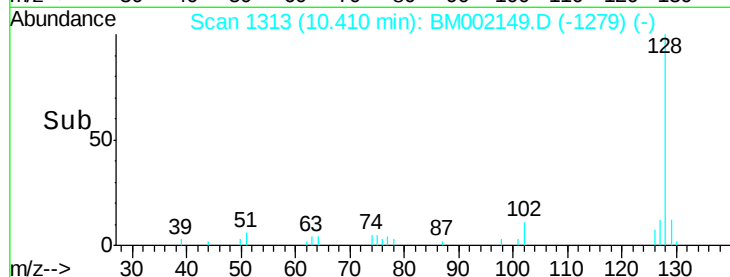
127 12.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 2.07 ng/ul

RT: 12.03 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BM002149.D

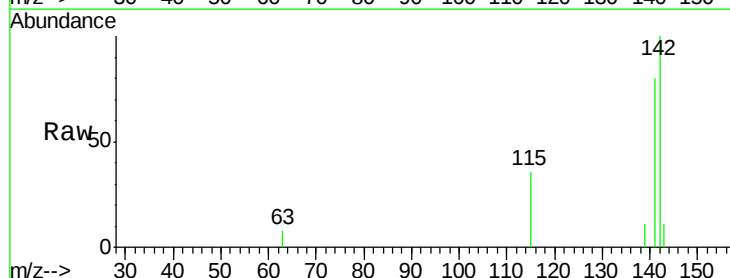
Acq: 31 Jul 2015 10:46

Tgt Ion:142 Resp: 6342

Ion Ratio Lower Upper

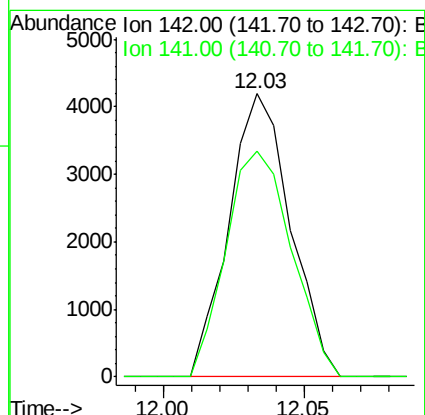
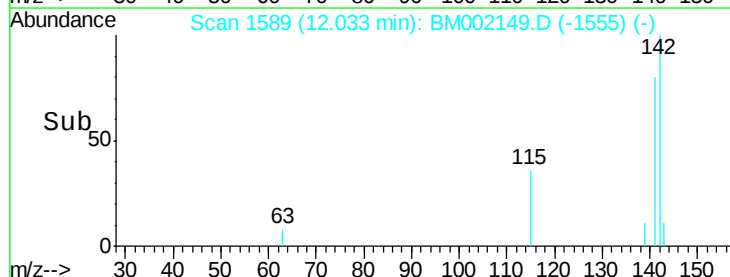
142 100

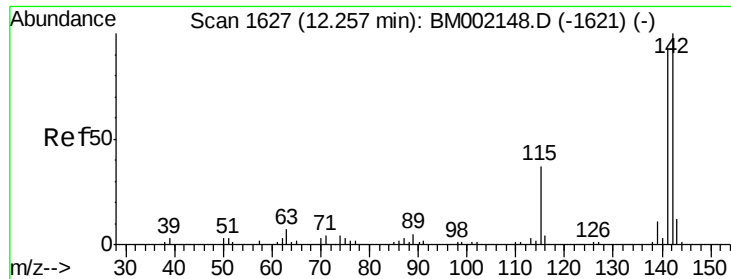
141 79.8 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

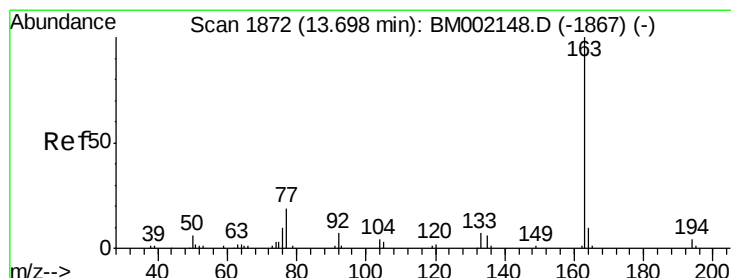
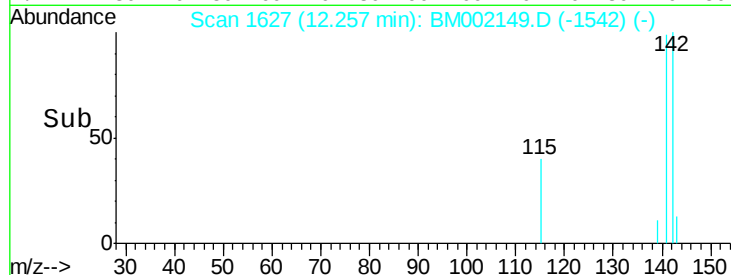
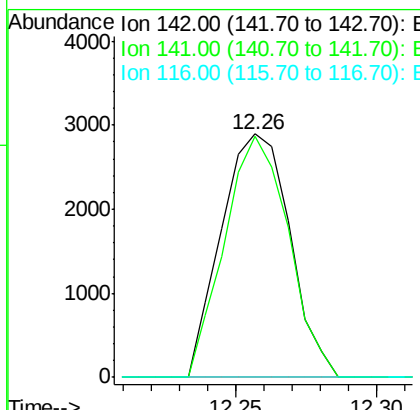
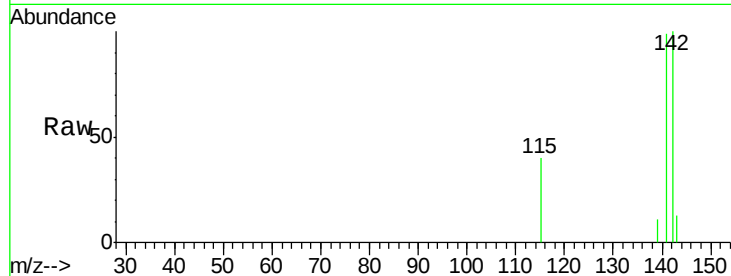




#35
 1-Methyl-naphthalene
 Concen: 1.66 ng/ul
 RT: 12.26 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

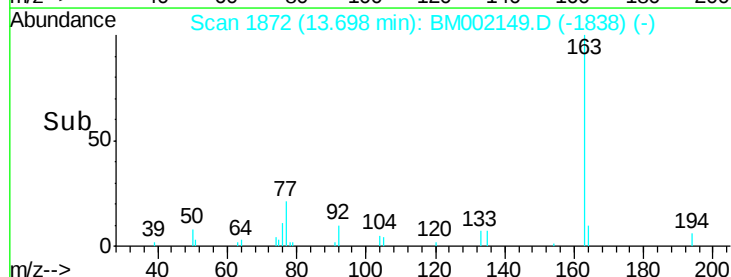
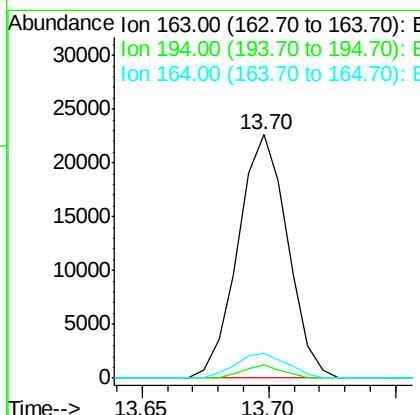
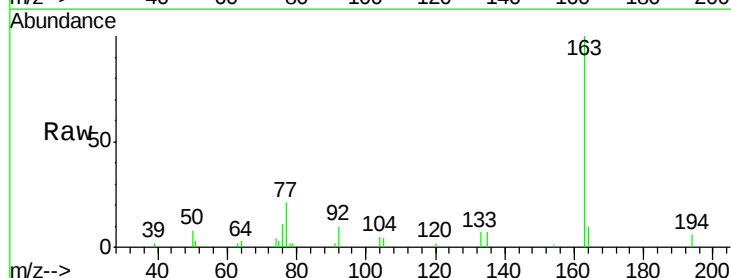
Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

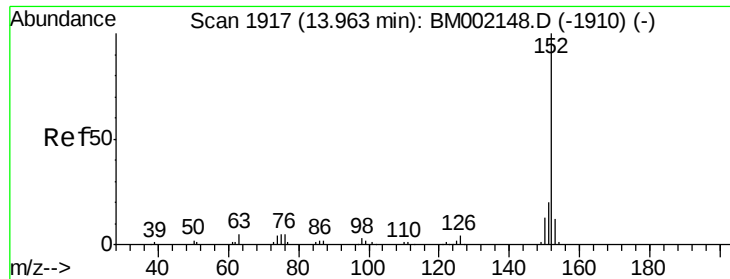
Tot Ion:142 Resp: 4874
 Ion Ratio Lower Upper
 142 100
 141 99.0 72.4 108.6
 116 0.0 3.2 4.8#



#45
 Dimethylphthalate
 Concen: 8.06 ng/ul
 RT: 13.70 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion:163 Resp: 30831
 Ion Ratio Lower Upper
 163 100
 194 5.7 3.5 5.3#
 164 10.2 8.0 12.0





#48

Acenaphthylene

Concen: 1.89 ng/ul

RT: 13.96 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Instrument :

BNA_M

ClientSampleId :

C02K6DL

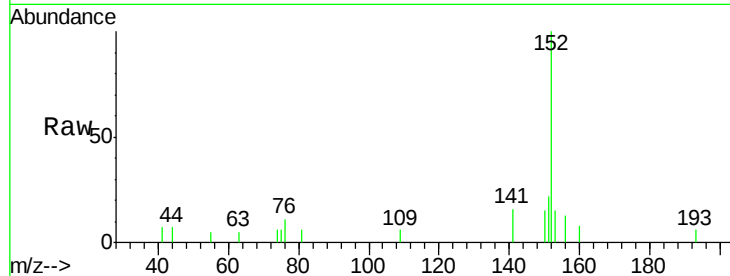
Tot Ion:152 Resp: 9357

Ion Ratio Lower Upper

152 100

151 21.6 15.6 23.4

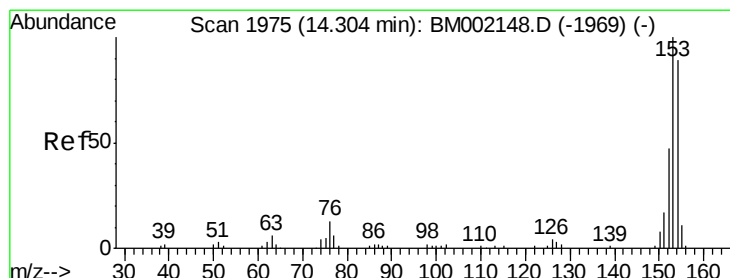
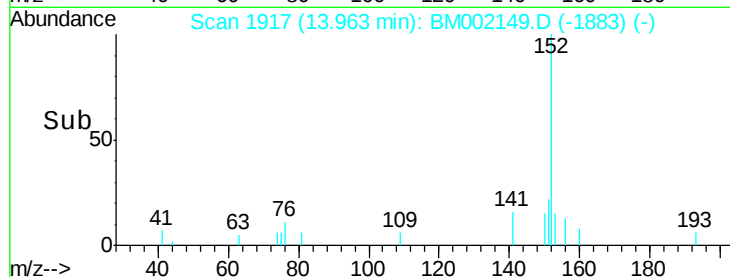
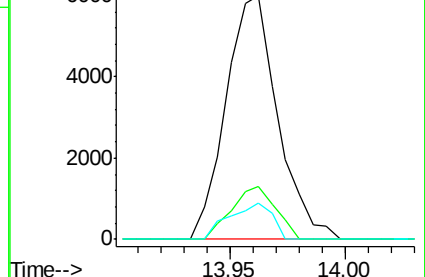
153 14.8 10.3 15.5



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



#50

Acenaphthene

Concen: 7.86 ng/ul

RT: 14.30 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

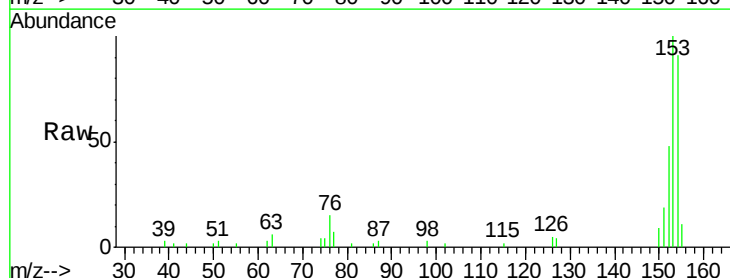
Tgt Ion:153 Resp: 25476

Ion Ratio Lower Upper

153 100

152 47.8 37.3 55.9

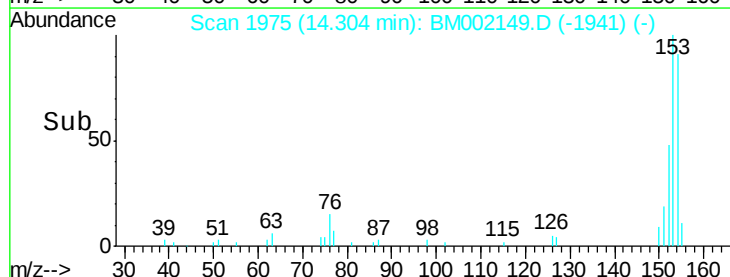
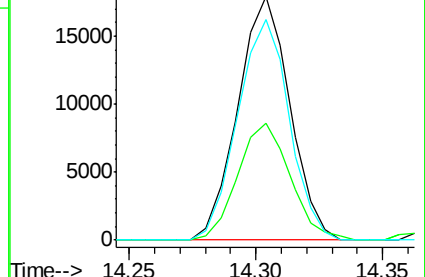
154 90.7 71.4 107.2

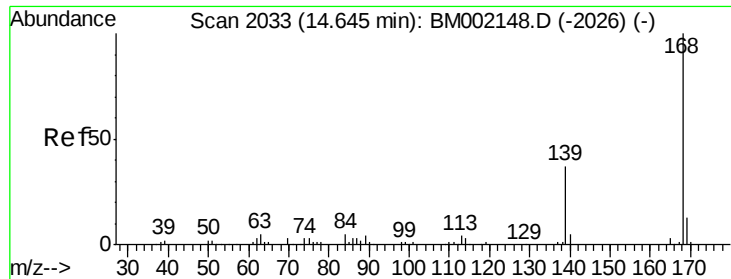


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 4.80 ng/ul

RT: 14.64 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Instrument :

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ClientSampleId :

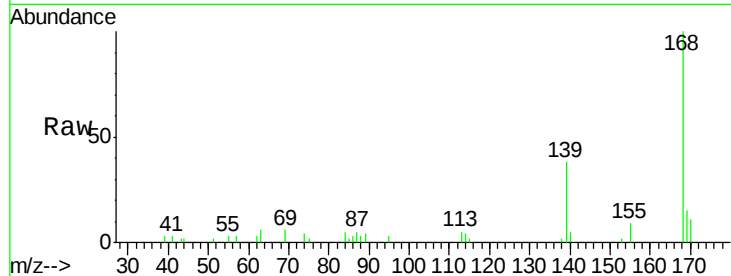
C02K6DL

Tot Ion:168 Resp: 22325

Ion Ratio Lower Upper

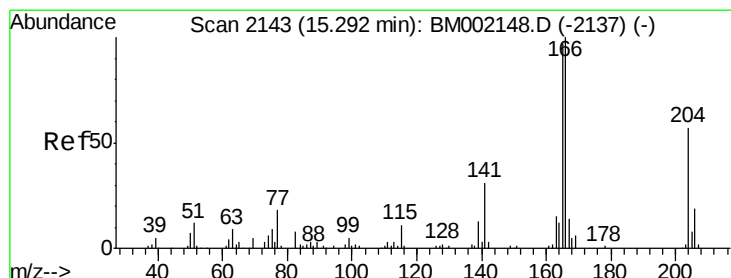
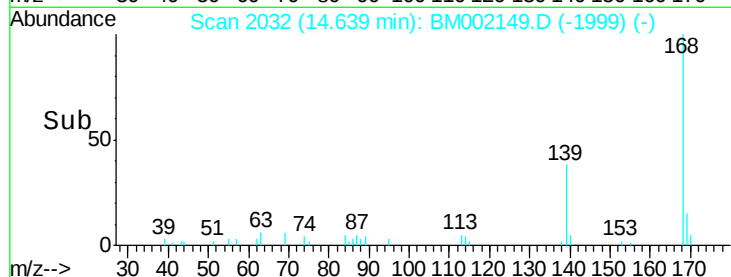
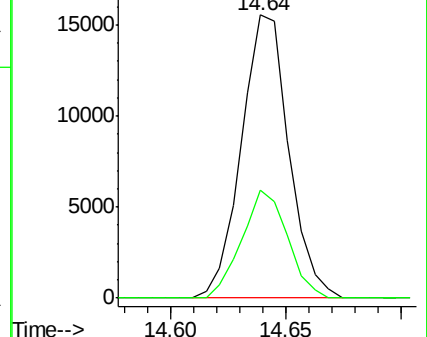
168 100

139 38.3 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: 7.92 ng/ul

RT: 15.29 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

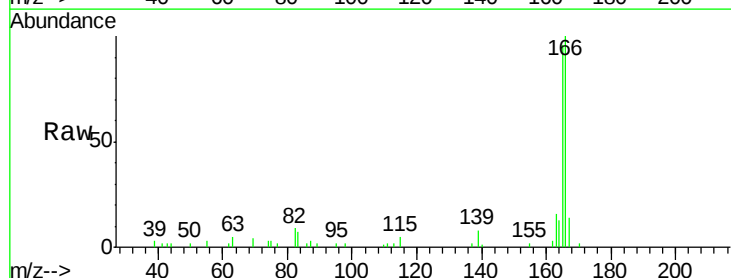
Tgt Ion:166 Resp: 30419

Ion Ratio Lower Upper

166 100

165 95.6 75.6 113.4

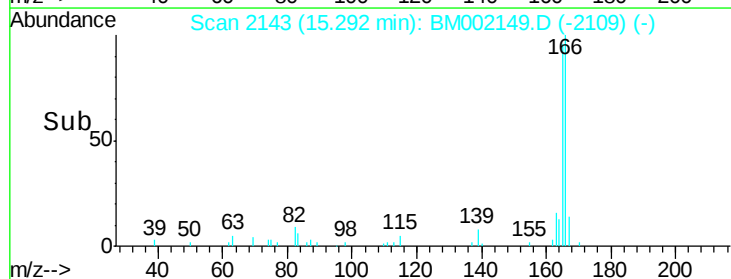
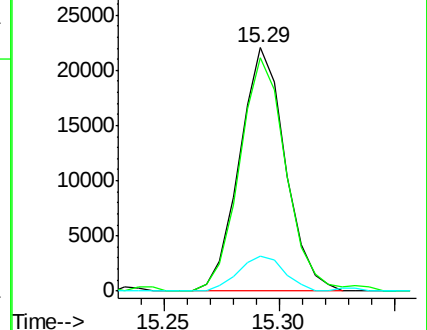
167 14.3 10.5 15.7

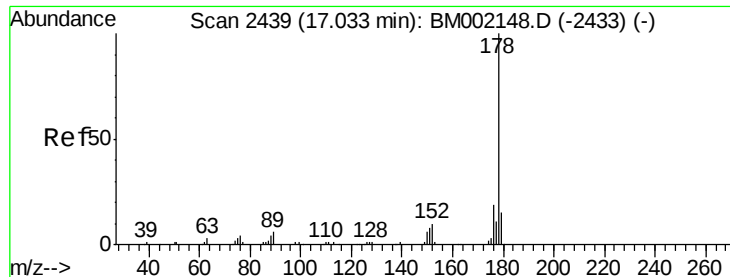


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 76.74 ng/ul

RT: 17.03 min Scan# 2439

Delta R.T. 0.00 min

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Acq: 31 Jul 2015 10:46

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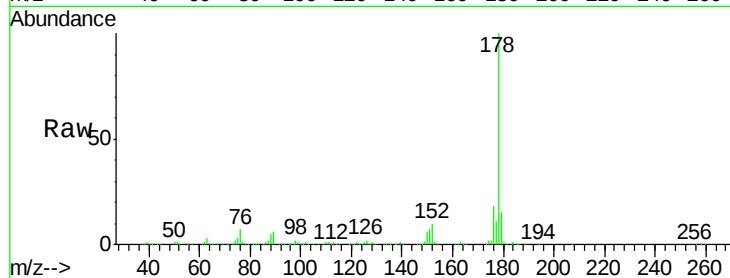
Tot Ion:178 Resp: 477202

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

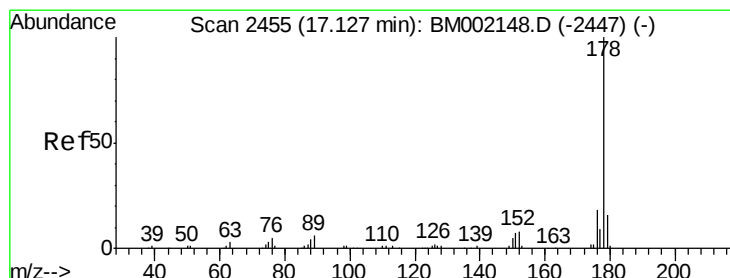
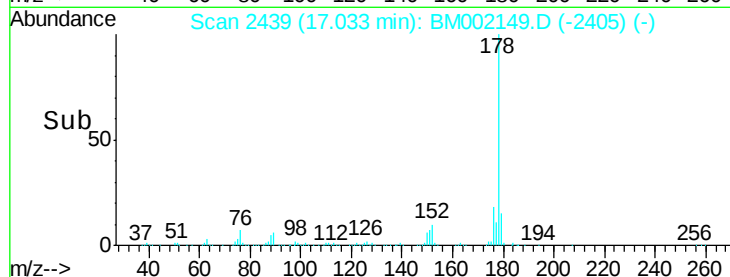
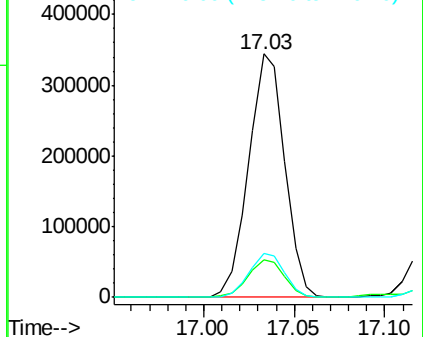
176 17.8 14.2 21.4



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



#72

Anthracene

Concen: 19.64 ng/ul

RT: 17.13 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

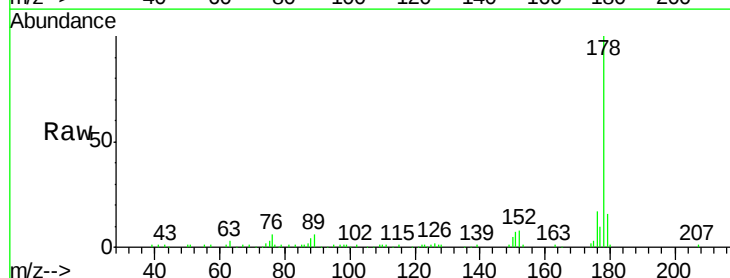
Tgt Ion:178 Resp: 124847

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

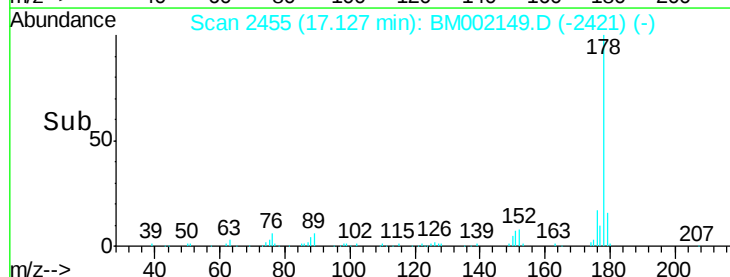
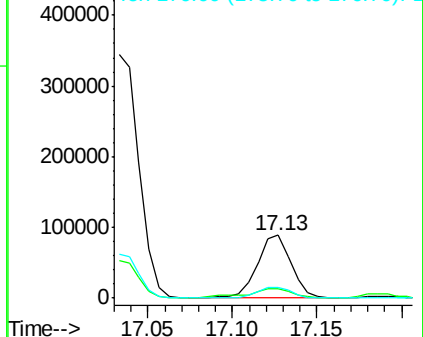
176 17.4 14.1 21.1

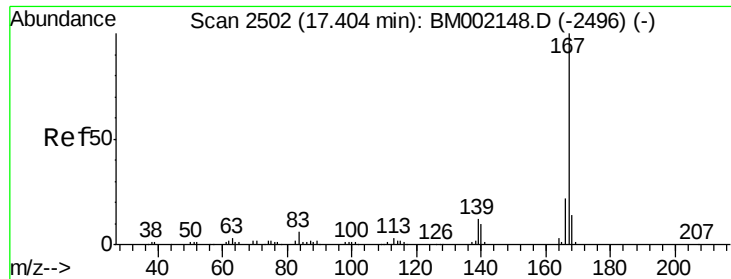


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

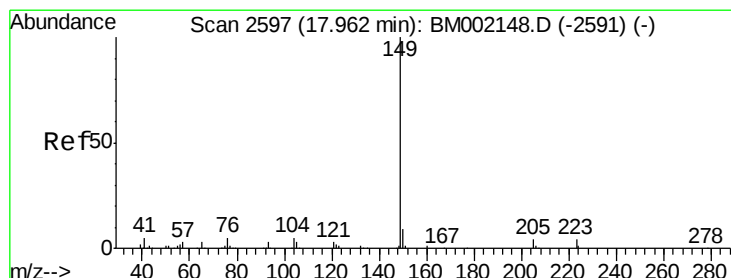
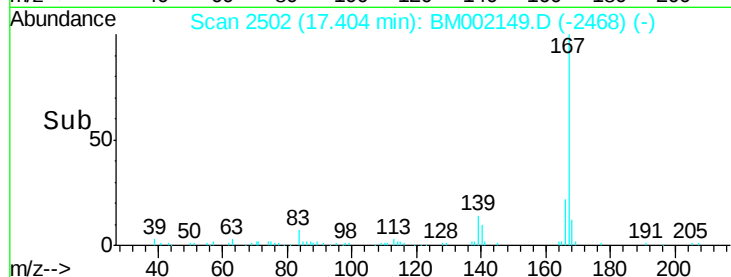
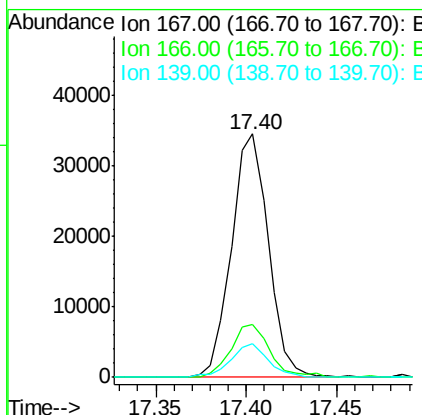
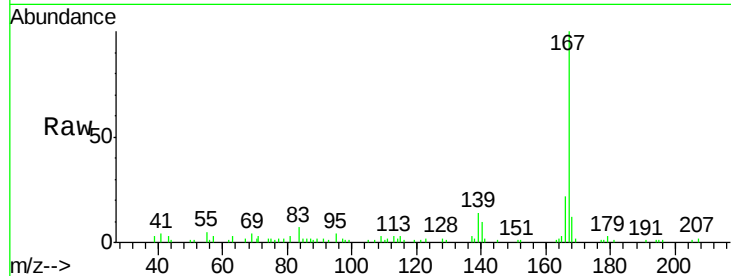




#75
 Carbazole
 Concen: 9.04 ng/ul
 RT: 17.40 min Scan# 2502
 Delta R.T. 0.00 min
 Lab File: BM002149.D
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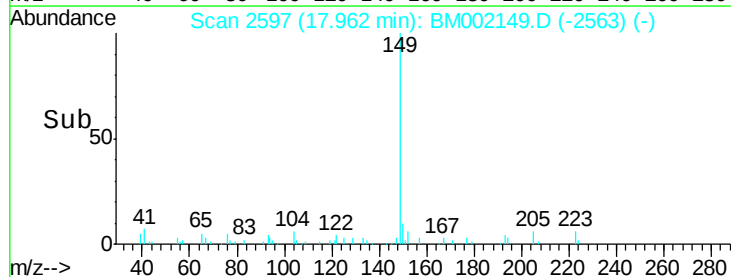
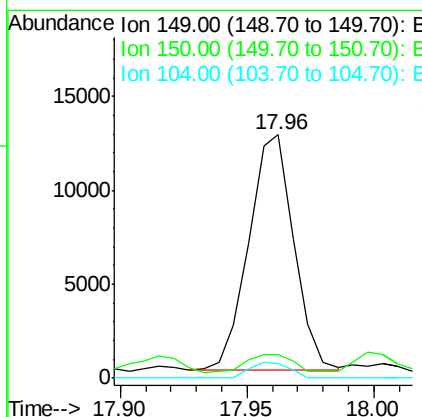
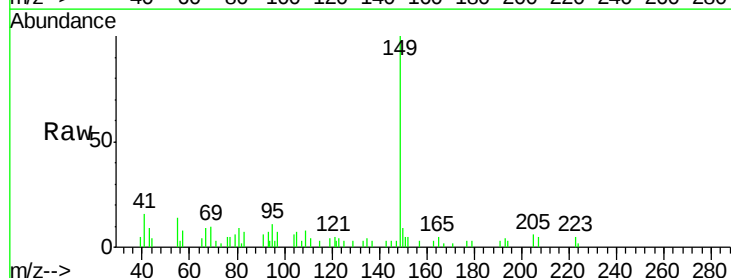
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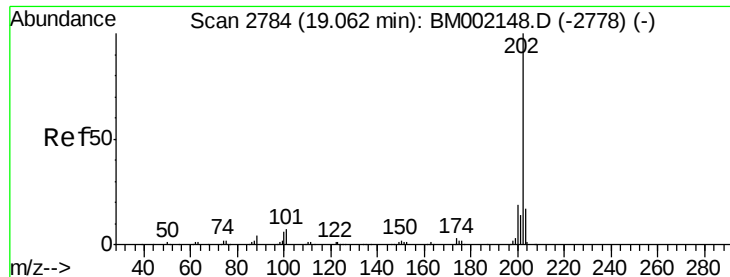
Tot Ion:167 Resp: 49091
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.2 24.4
 139 14.0 9.6 14.4



#76
 Di-n-butylphthalate
 Concen: 2.42 ng/ul
 RT: 17.96 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion:149 Resp: 15673
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.0 10.4
 104 6.2 4.2 6.2

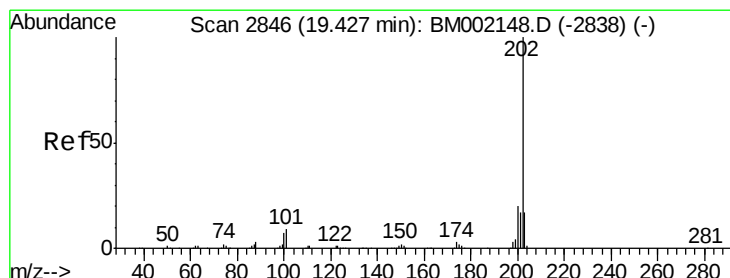
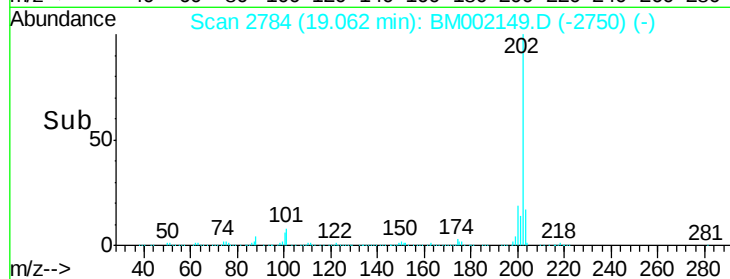
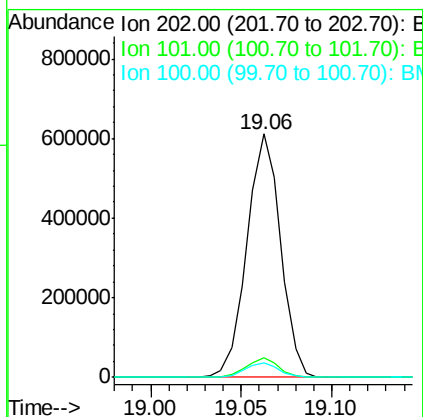
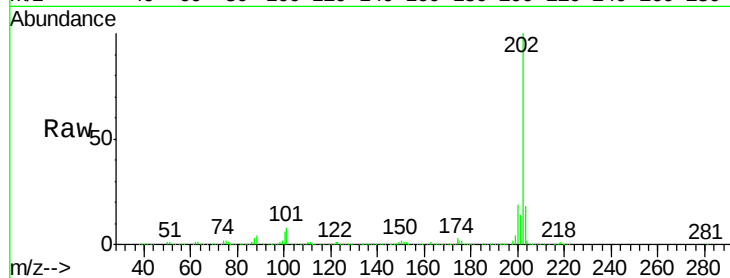




#77
Fluoranthene
 Concen: 109.99 ng/ul
 RT: 19.06 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

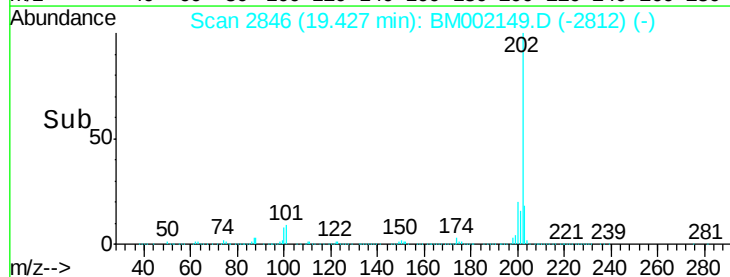
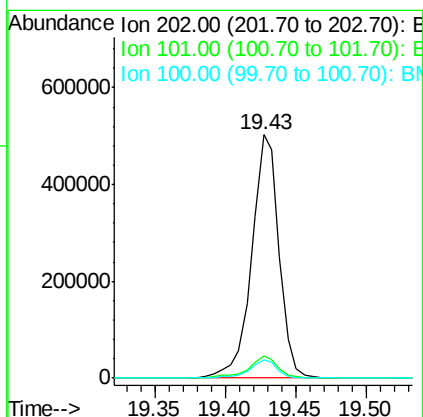
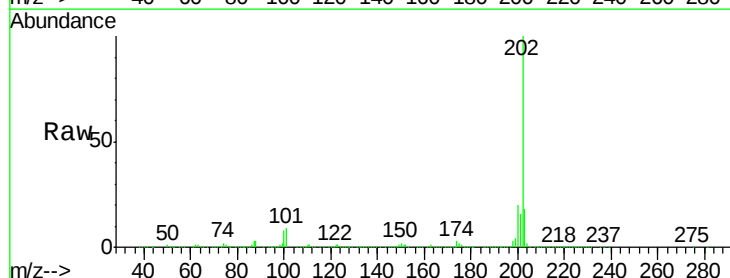
Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

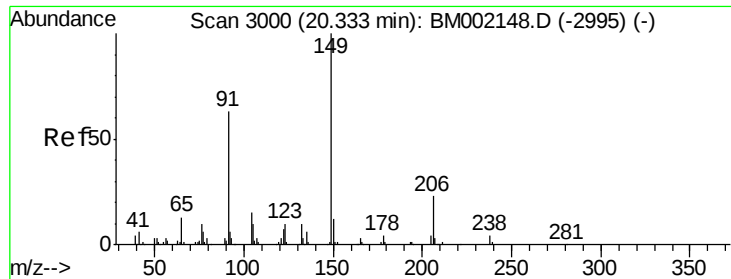
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.2	9.4
100	5.7	5.2	7.8



#80
Pyrene
 Concen: 84.10 ng/ul
 RT: 19.43 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.2
100	7.5	6.3	9.5

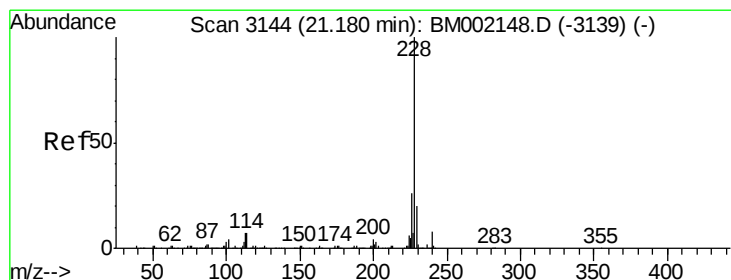
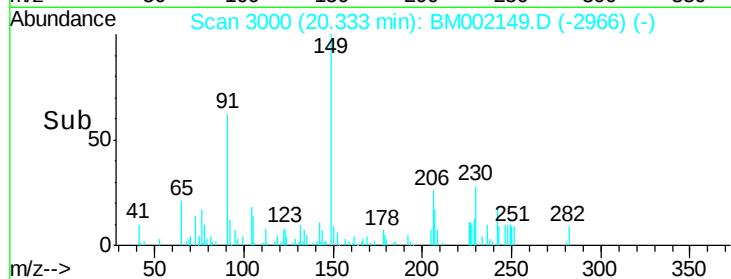
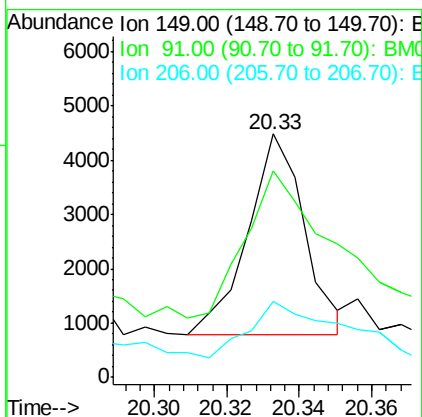
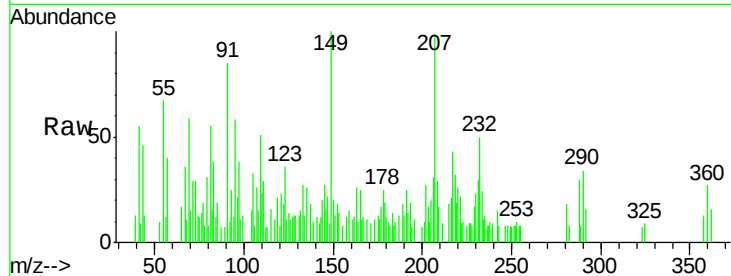




#81
Butylbenzylphthalate
Concen: 1.29 ng/ul
RT: 20.33 min Scan# 3000
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

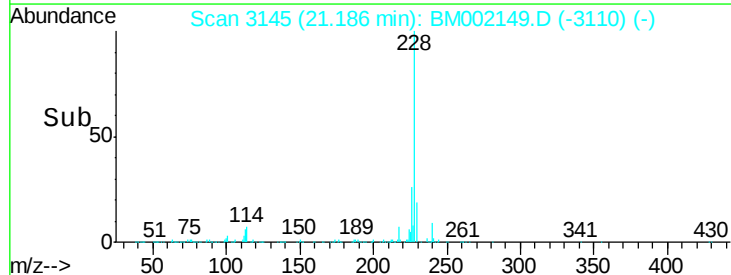
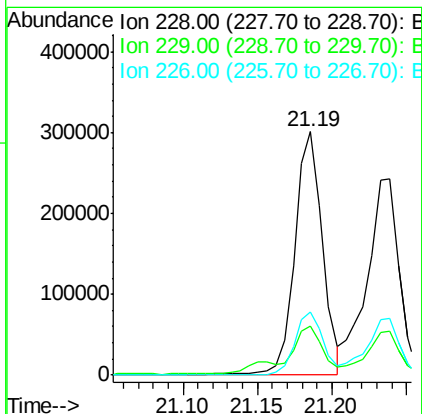
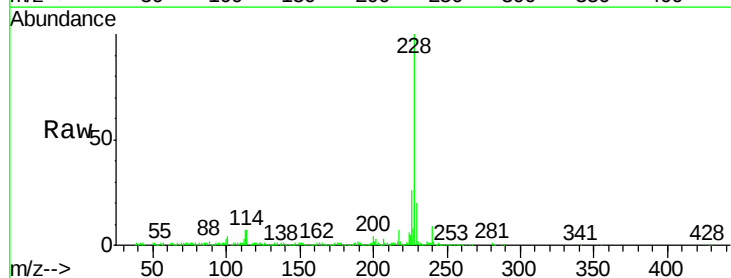
Instrument :
BNA_M
ClientSampleId :
C02K6DL

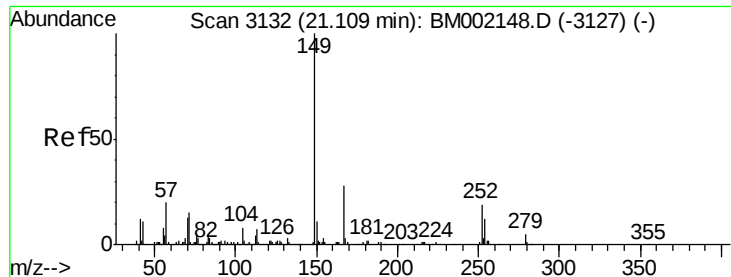
Tot Ion:149 Resp: 3999
Ion Ratio Lower Upper
149 100
91 85.0 52.4 78.6#
206 31.0 19.9 29.9#



#83
Benzo(a)anthracene
Concen: 46.77 ng/ul
RT: 21.19 min Scan# 3145
Delta R.T. 0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion:228 Resp: 385848
Ion Ratio Lower Upper
228 100
229 19.9 15.4 23.2
226 25.7 20.5 30.7

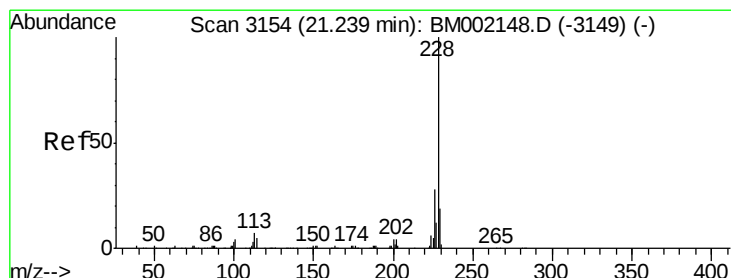
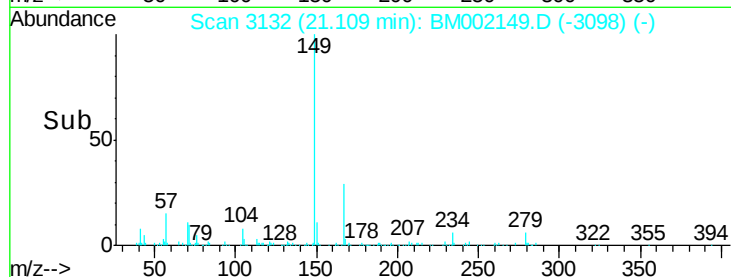
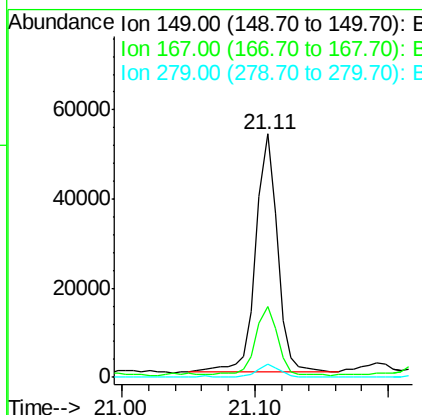
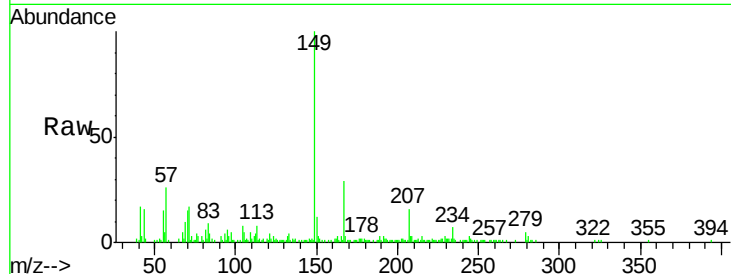




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 12.53 ng/ul
 RT: 21.11 min Scan# 3132
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

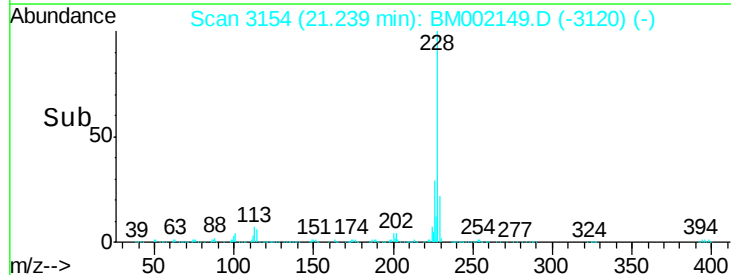
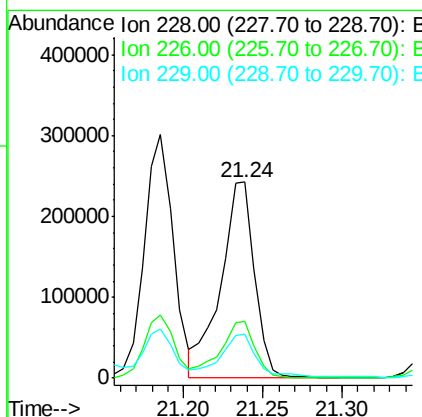
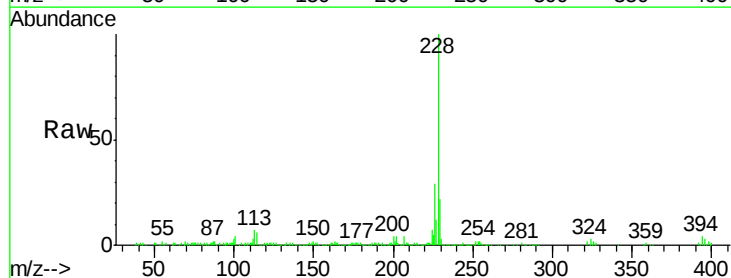
Instrument :
 BNA_M
 ClientSampleId :
 C02K6DL

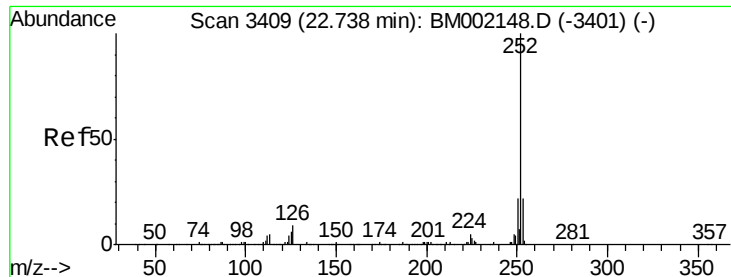
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.6	35.4
279	5.5	4.2	6.4



#85
 Chrysene
 Concen: 46.28 ng/ul
 RT: 21.24 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BM002149.D
 Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	22.5	15.5	23.3

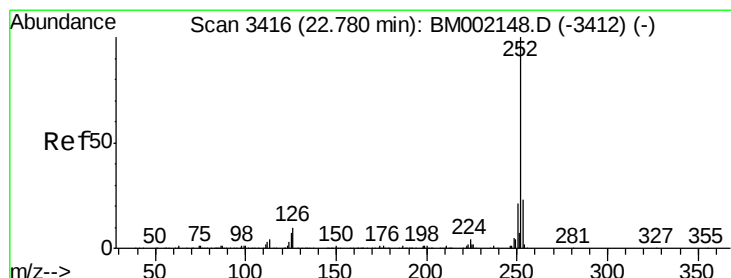
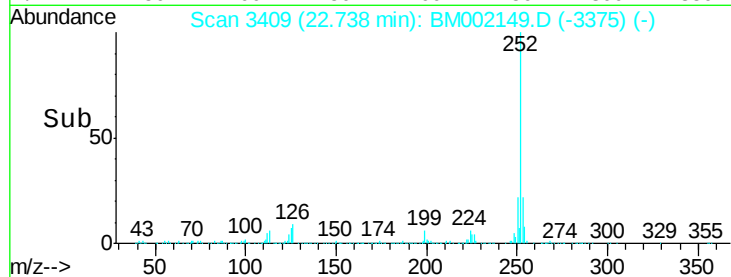
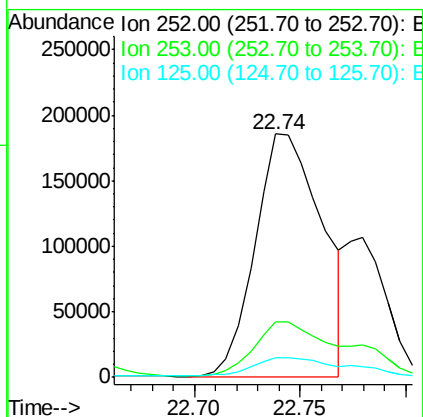
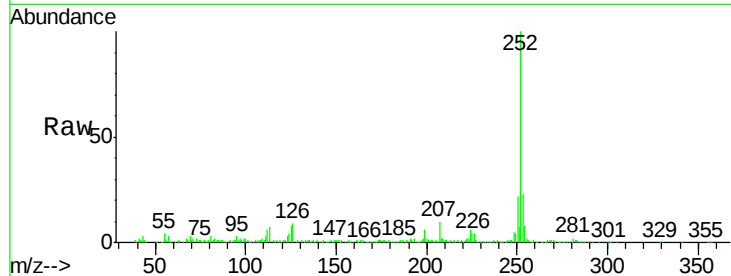




#88
Benzo(b)fluoranthene
Concen: 49.30 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

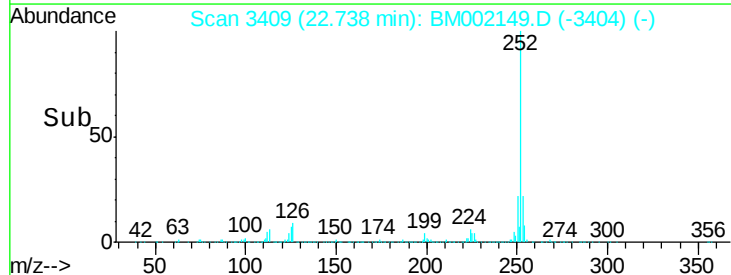
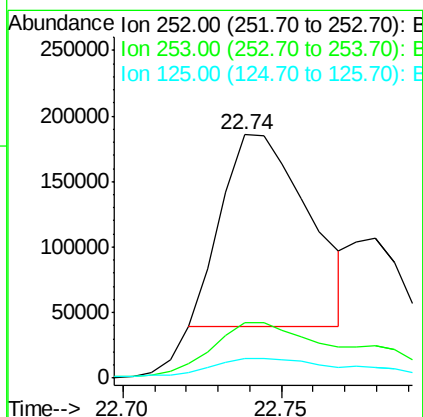
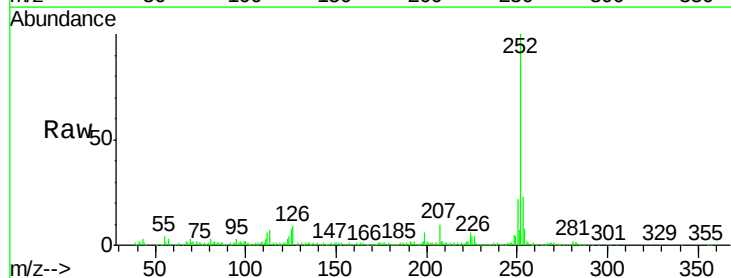
Instrument :
BNA_M
ClientSampleId :
C02K6DL

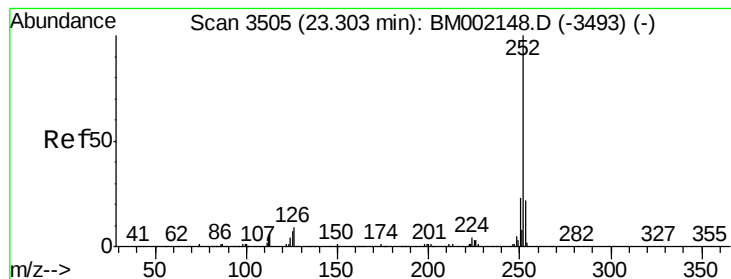
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.9	25.3
125	7.9	6.2	9.2



#89
Benzo(k)fluoranthene
Concen: 35.09 ng/ul
RT: 22.74 min Scan# 3409
Delta R.T. -0.04 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	7.9	6.2	9.4





#91

Benzo(a)pyrene

Concen: 35.75 ng/ul

RT: 23.30 min Scan# 3505

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

Instrument :

BNA_M

ClientSampleId :

C02K6DL

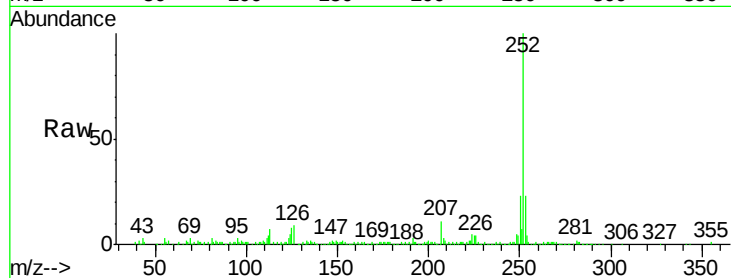
Tot Ion:252 Resp: 284897

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

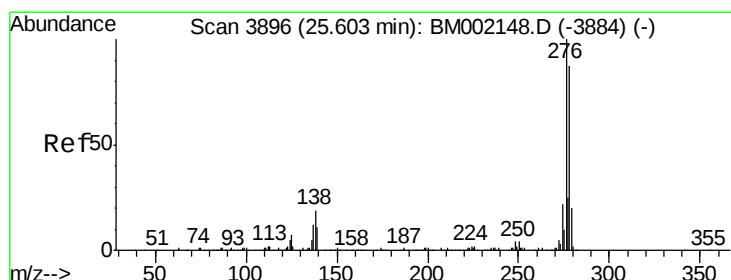
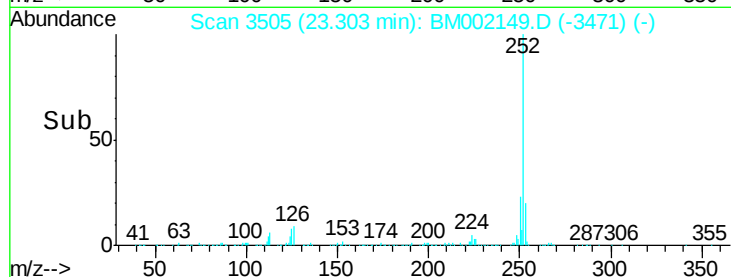
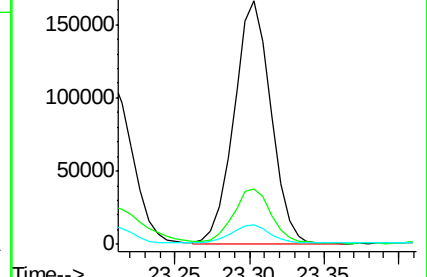
125 8.3 6.6 10.0



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: 19.09 ng/ul

RT: 25.60 min Scan# 3896

Delta R.T. 0.00 min

Lab File: BM002149.D

Acq: 31 Jul 2015 10:46

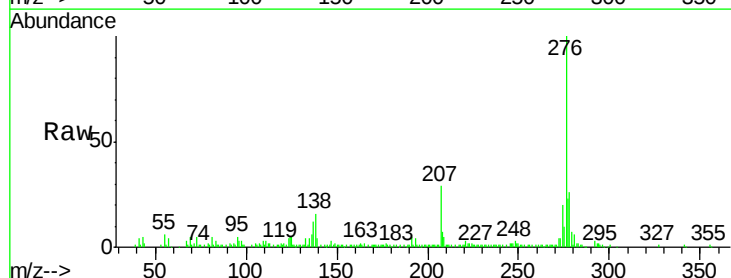
Tgt Ion:276 Resp: 175279

Ion Ratio Lower Upper

276 100

138 15.9 16.2 24.2#

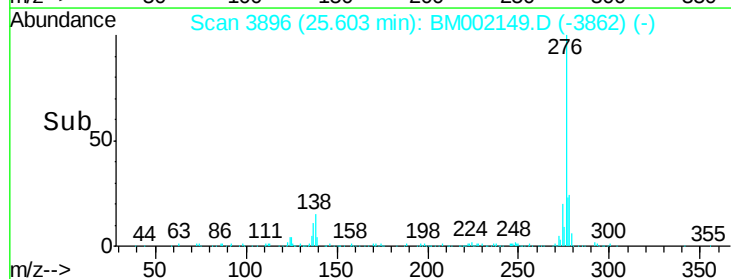
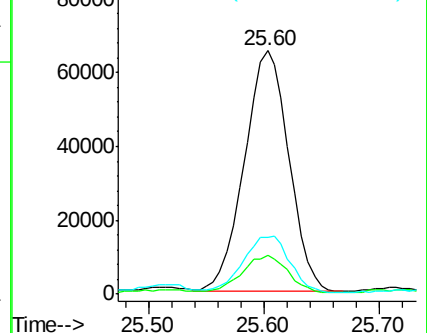
277 23.3 19.8 29.8

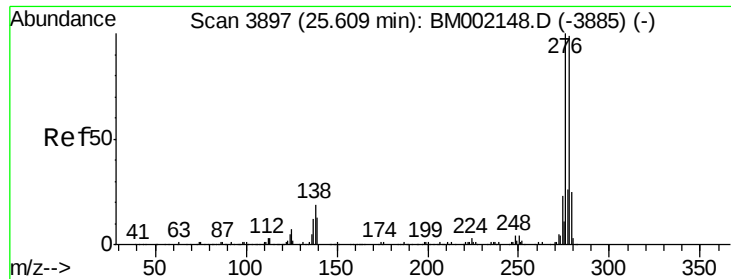


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

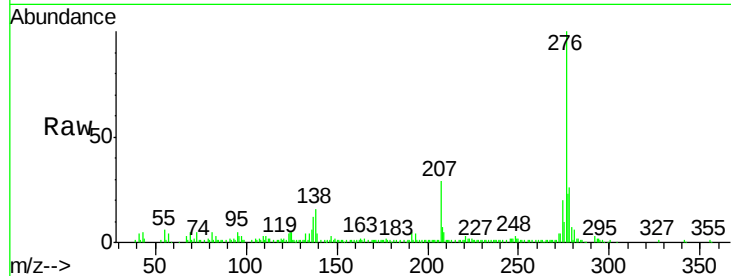




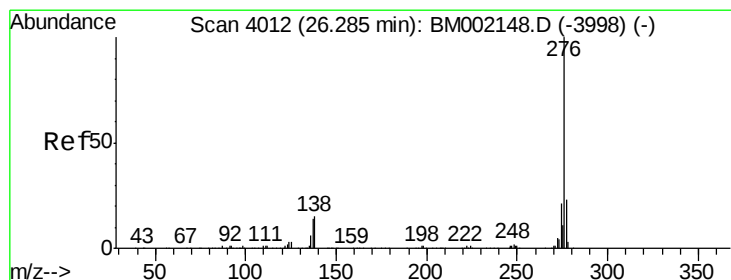
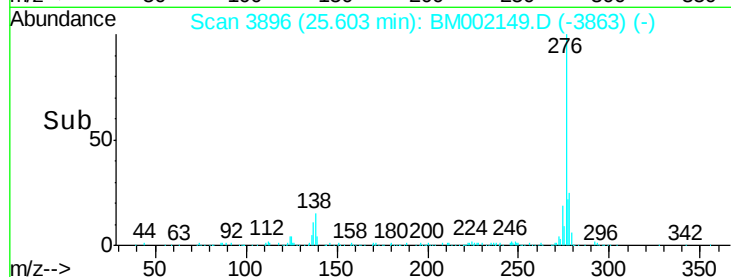
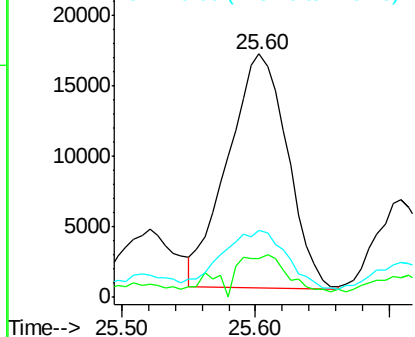
#93
Dibenzo(a,h)anthracene
Concen: 6.55 ng/ul
RT: 25.60 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Instrument :
BNA_M
ClientSampleId :
C02K6DL

Tot Ion:278 Resp: 51454
Ion Ratio Lower Upper
278 100
139 15.9 10.6 16.0
279 27.5 18.5 27.7

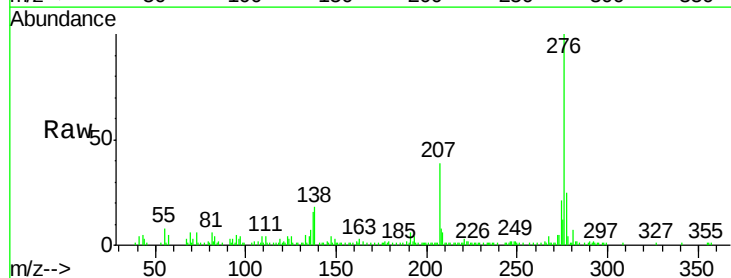


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94
Benzo(g,h,i)perylene
Concen: 19.88 ng/ul
RT: 26.28 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BM002149.D
Acq: 31 Jul 2015 10:46

Tgt Ion:276 Resp: 152998
Ion Ratio Lower Upper
276 100
138 18.3 13.8 20.6
277 25.1 18.2 27.2



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

