

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071416\
 Data File : BM006421.D
 Acq On : 14 Jul 2016 21:08
 Operator : UM/SJ
 Sample : H3990-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ63

Quant Time: Jul 15 04:36:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 15 04:34:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	109887	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	461382	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	286050	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	699617	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	898091	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	967372	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	3721	1.43	ng/uL	0.00
5) Phenol-d5	6.80	99	208240	23.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	139591	25.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	164201	22.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	160802	22.47	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	89977	25.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	104286	26.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	178130	23.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	228882	29.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	696242	29.74	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	791596	27.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	112207	27.59	ng/ul	0.00
57) Fluorene-d10	15.27	176	598122	28.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	100486	24.83	ng/ul	0.00
70) Anthracene-d10	17.12	188	1001897	30.30	ng/ul	0.00
76) Pyrene-d10	19.42	212	1234385	30.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.29	264	1478649	33.42	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.83	94	5513	0.58	ng/ul#	85
8) Bis(2-Chloroethyl)ether	7.06	93	457	0.07	ng/ul#	70
14) Acetophenone	8.45	105	841	0.07	ng/ul#	57
15) N-Nitroso-di-n-propylamine	8.33	70	4538	0.76	ng/ul#	1
16) 4-Methylphenol	8.39	108	2065	0.27	ng/ul	90
20) Nitrobenzene	8.77	77	699	0.08	ng/ul#	42
21) Isophorone	9.49	82	10835	0.65	ng/ul#	74
28) Naphthalene	10.44	128	484	0.02	ng/ul#	69
44) Dimethylphthalate	13.73	163	231715	9.76	ng/ul	100
45) 2,6-Dinitrotoluene	13.73	165	2594	0.55	ng/ul#	28
47) Acenaphthylene	13.99	152	4295	0.14	ng/ul	98
49) Acenaphthene	14.34	153	1568	0.08	ng/ul	98
53) Dibenzofuran	14.67	168	313	0.01	ng/ul#	37
56) Diethylphthalate	15.10	149	918	0.04	ng/ul#	59
58) Fluorene	15.33	166	2004	0.09	ng/ul#	79
64) N-Nitrosodiphenylamine	15.41	169	986	0.05	ng/ul#	27
69) Phenanthrene	17.06	178	28560	0.74	ng/ul	99
71) Anthracene	17.16	178	30689	0.78	ng/ul	98
72) Carbazole	17.43	167	2063	0.06	ng/ul#	60
73) Di-n-butylphthalate	17.99	149	4736	0.10	ng/ul#	89
74) Fluoranthene	19.09	202	219012	4.90	ng/ul	98
77) Pyrene	19.45	202	176416	3.29	ng/ul	97
78) Butylbenzylphthalate	20.36	149	1339	0.06	ng/ul#	90

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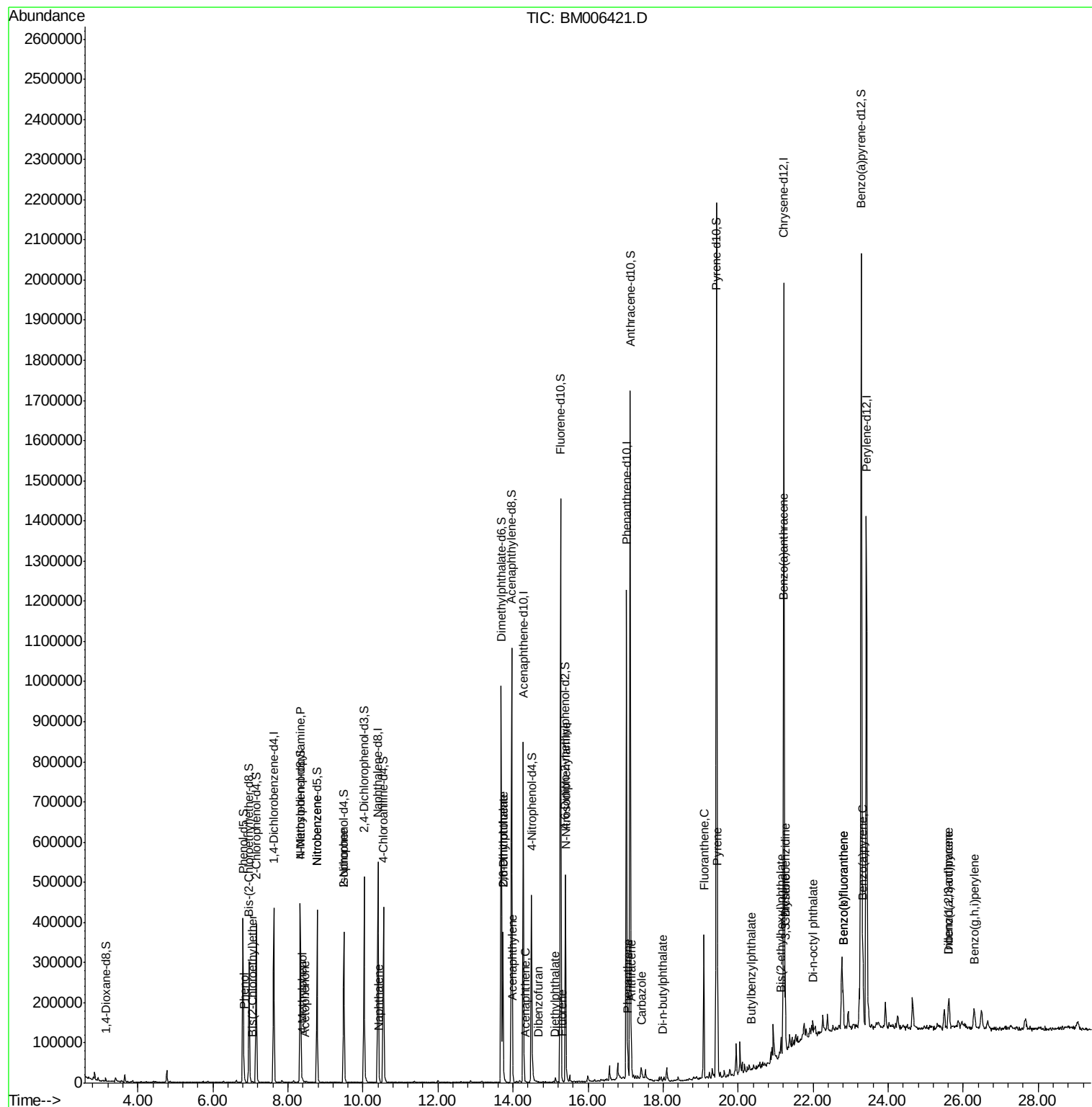
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 3,3'-Dichlorobenzidine	21.27	252	800	0.05	ng/ul#	43
80) Benzo(a)anthracene	21.20	228	124042	2.26	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.14	149	15597	0.48	ng/ul#	99
82) Chrysene	21.26	228	116404	2.26	ng/ul	97
84) Di-n-octyl phthalate	22.01	149	2508	0.04	ng/ul#	1
85) Benzo(b)fluoranthene	22.80	252	45060	0.78	ng/ul	98
86) Benzo(k)fluoranthene	22.80	252	45107	0.83	ng/ul	98
88) Benzo(a)pyrene	23.33	252	117811	2.13	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.61	276	74808	1.16	ng/ul	98
90) Dibenzo(a,h)anthracene	25.62	278	21976	0.41	ng/ul#	89
91) Benzo(g,h,i)perylene	26.29	276	62614	1.10	ng/ul	98

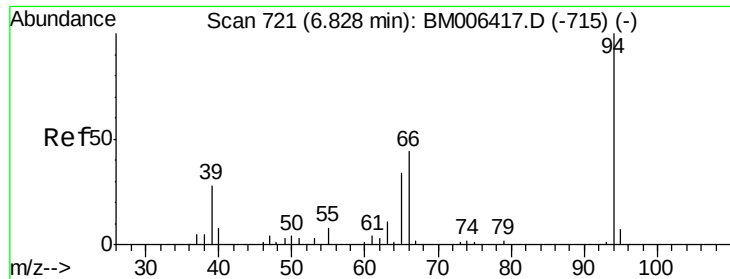
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 0.58 ng/ul

RT: 6.83 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

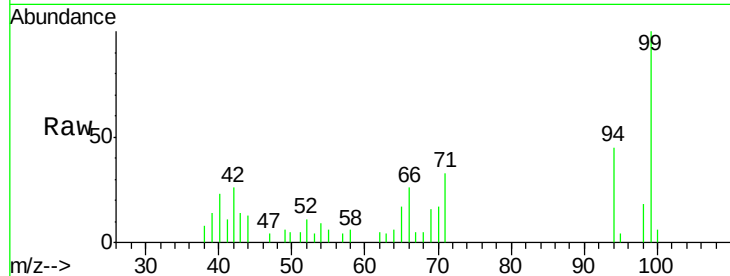
Tgt Ion: 94 Resp: 5513

Ion Ratio Lower Upper

94 100

65 37.9 25.8 38.8

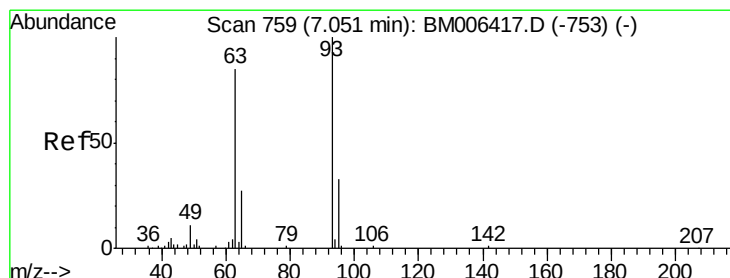
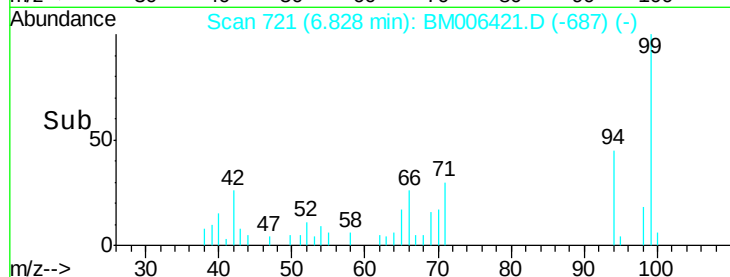
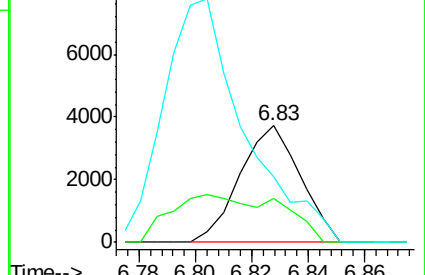
66 56.9 35.7 53.5#



Abundance Ion 94.00 (93.70 to 94.70): BM006421.D (-687) (-)

Ion 65.00 (64.70 to 65.70): BM006421.D (-687) (-)

Ion 66.00 (65.70 to 66.70): BM006421.D (-687) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.07 ng/ul

RT: 7.06 min Scan# 760

Delta R.T. 0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

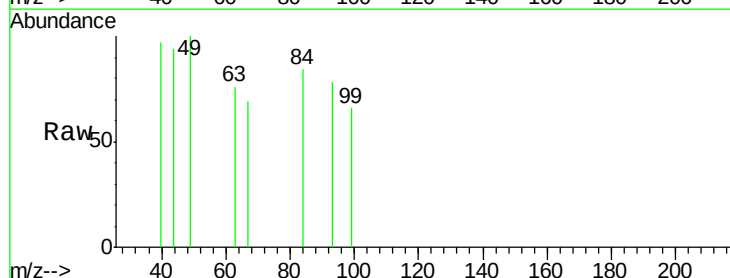
Tgt Ion: 93 Resp: 457

Ion Ratio Lower Upper

93 100

63 97.3 64.2 96.4#

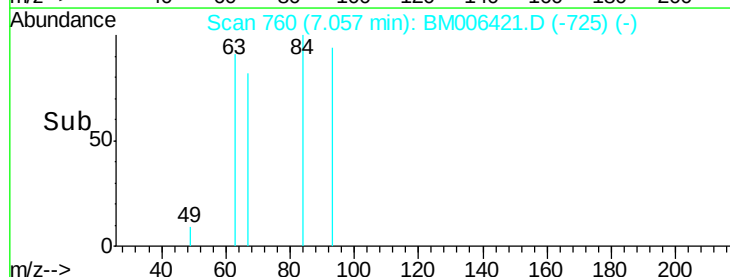
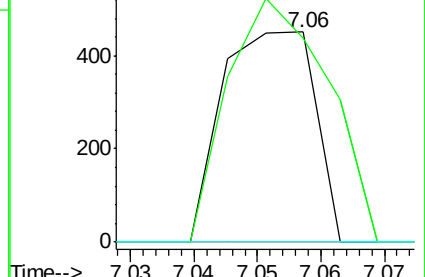
95 0.0 26.0 39.0#

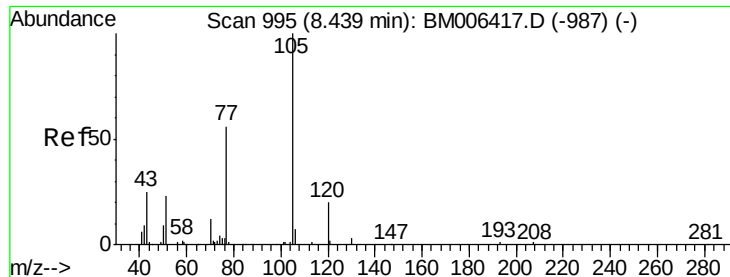


Abundance Ion 93.00 (92.70 to 93.70): BM006421.D (-725) (-)

Ion 63.00 (62.70 to 63.70): BM006421.D (-725) (-)

Ion 95.00 (94.70 to 95.70): BM006421.D (-725) (-)





#14

Acetophenone

Concen: 0.07 ng/ul

RT: 8.45 min Scan# 996

Delta R.T. 0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

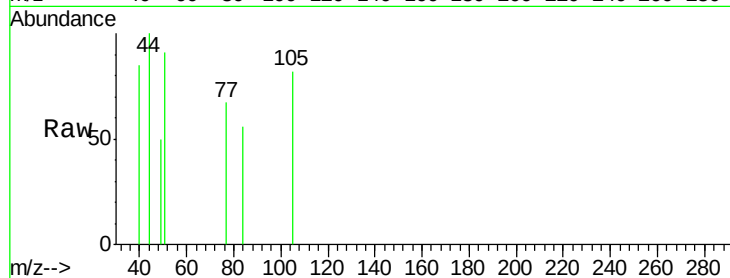
Tgt Ion: 105 Resp: 841

Ion Ratio Lower Upper

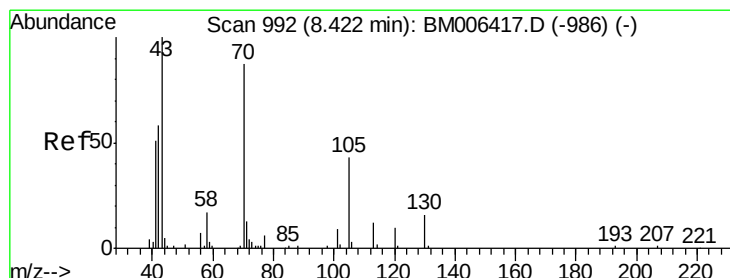
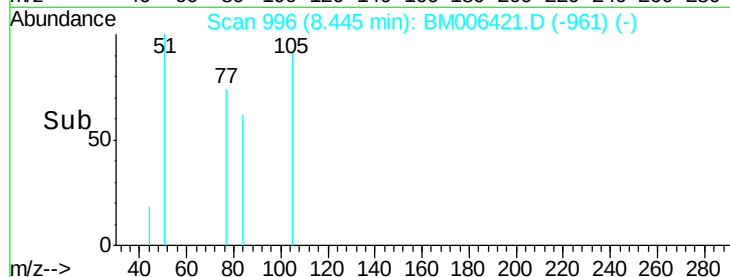
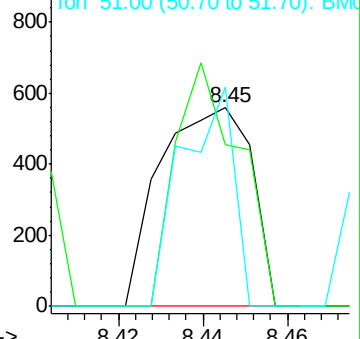
105 100

77 81.2 62.8 94.2

51 110.4 26.5 39.7#



Abundance Ion 105.00 (104.70 to 105.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 0.76 ng/ul

RT: 8.33 min Scan# 976

Delta R.T. -0.09 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Tgt Ion: 70 Resp: 4538

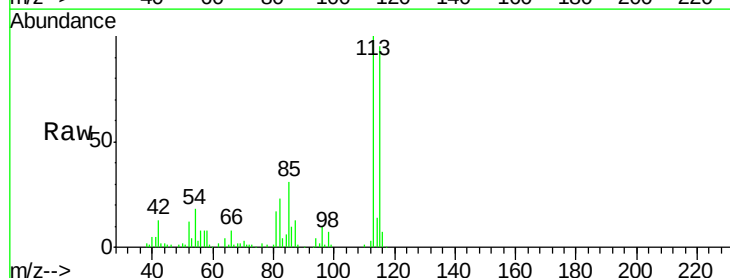
Ion Ratio Lower Upper

70 100

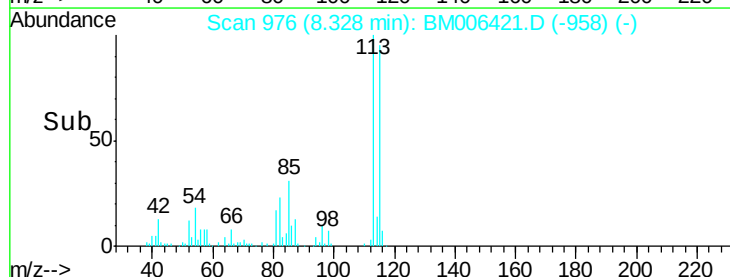
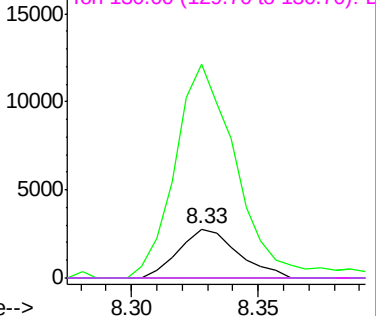
42 434.8 50.6 75.8#

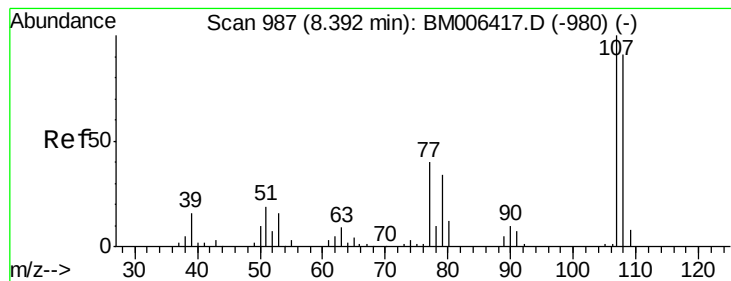
101 0.0 7.9 11.9#

130 0.0 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BM0





#16

4-Methylphenol

Concen: 0.27 ng/ul

RT: 8.39 min Scan# 986

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampled :

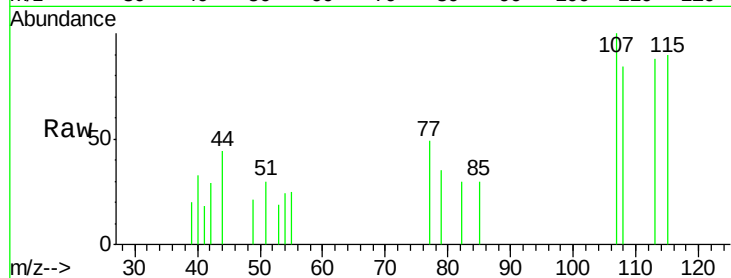
BDJ63

Tgt Ion: 108 Resp: 2065

Ion Ratio Lower Upper

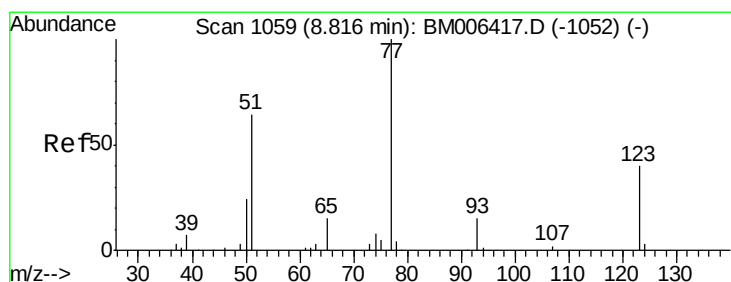
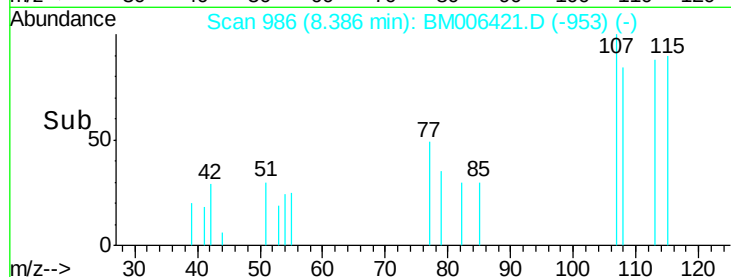
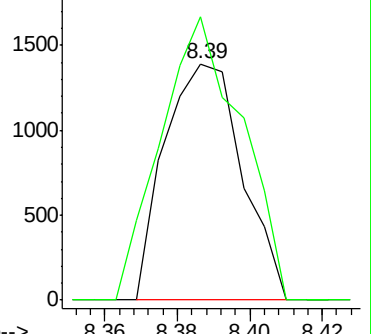
108 100

107 119.8 87.4 131.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#20

Nitrobenzene

Concen: 0.08 ng/ul

RT: 8.77 min Scan# 1052

Delta R.T. -0.04 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

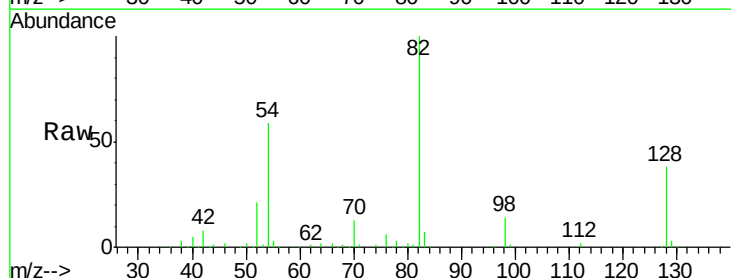
Tgt Ion: 77 Resp: 699

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

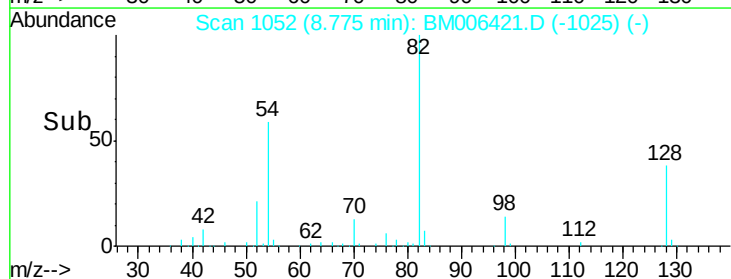
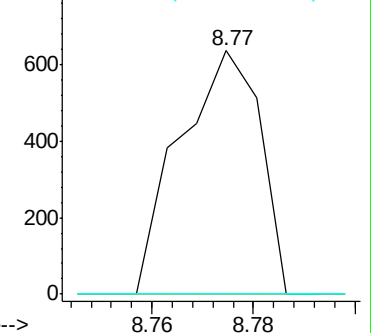
65 0.0 11.5 17.3#

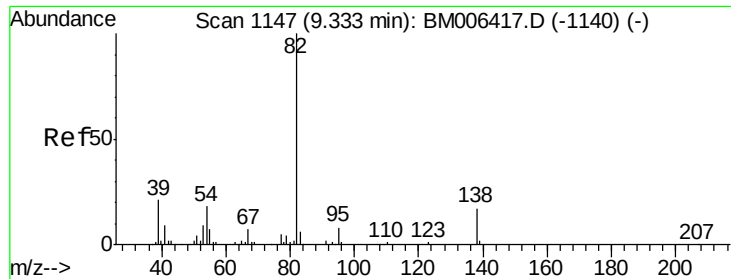


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 0.65 ng/ul

RT: 9.49 min Scan# 1174

Delta R.T. 0.16 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

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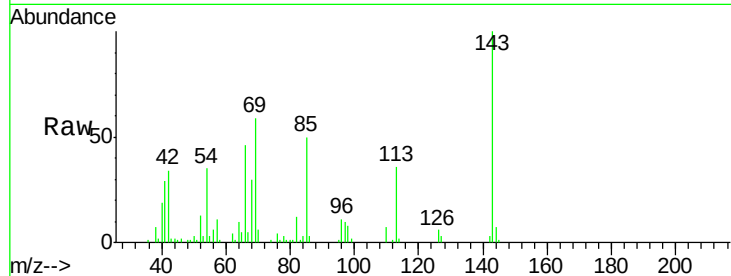
Tgt Ion: 82 Resp: 10835

Ion Ratio Lower Upper

82 100

95 7.2 6.0 9.0

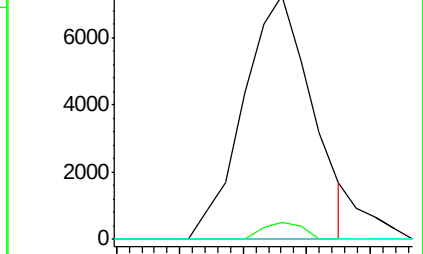
138 0.0 13.0 19.4#



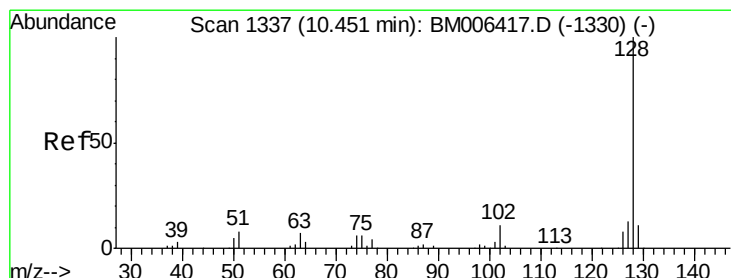
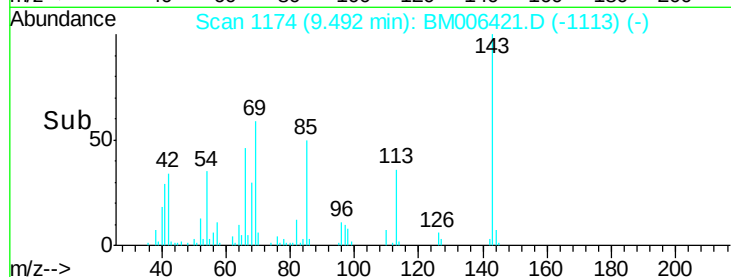
Abundance Ion 82.00 (81.70 to 82.70): BM006417.D (-1140) (-)

Ion 95.00 (94.70 to 95.70): BM006417.D (-1140) (-)

Ion 138.00 (137.70 to 138.70): BM006417.D (-1140) (-)



Time-->



#28

Naphthalene

Concen: 0.02 ng/ul

RT: 10.44 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

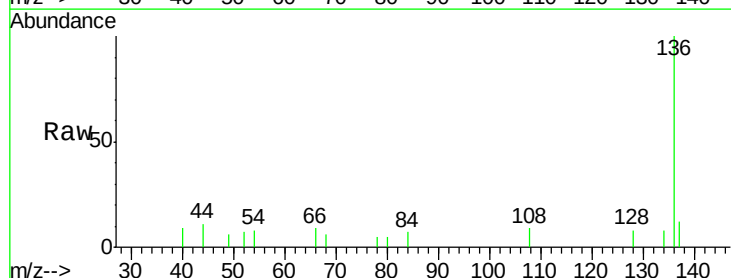
Tgt Ion: 128 Resp: 484

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

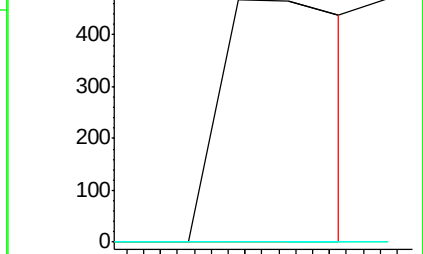
127 0.0 10.9 16.3#



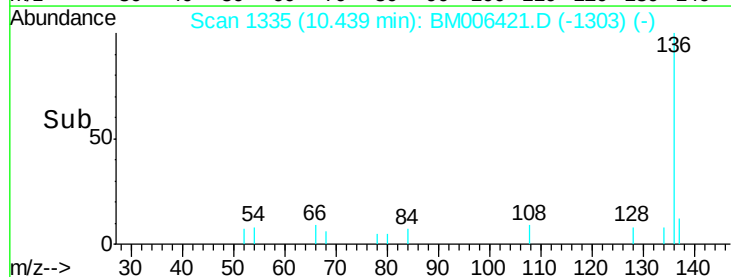
Abundance Ion 128.00 (127.70 to 128.70): BM006417.D (-1330) (-)

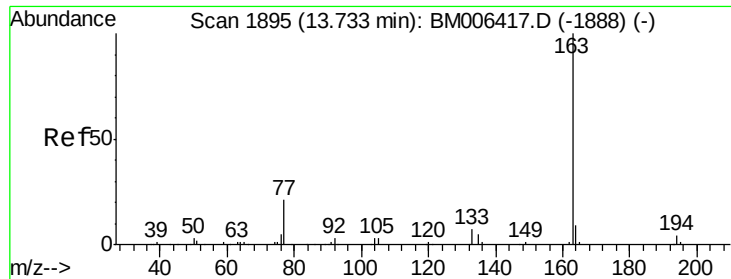
Ion 129.00 (128.70 to 129.70): BM006417.D (-1330) (-)

Ion 127.00 (126.70 to 127.70): BM006417.D (-1330) (-)



Time-->





#44

Dimethylphthalate

Concen: 9.76 ng/ul

RT: 13.73 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BM006421.D

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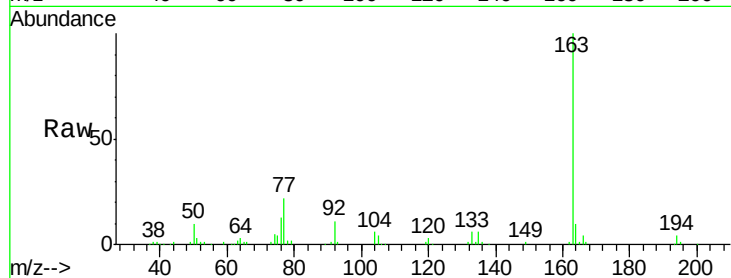
Tgt Ion:163 Resp: 231715

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

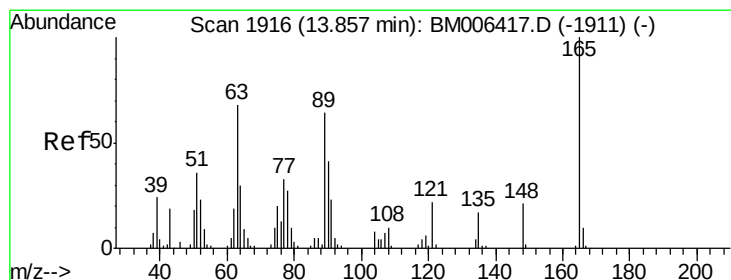
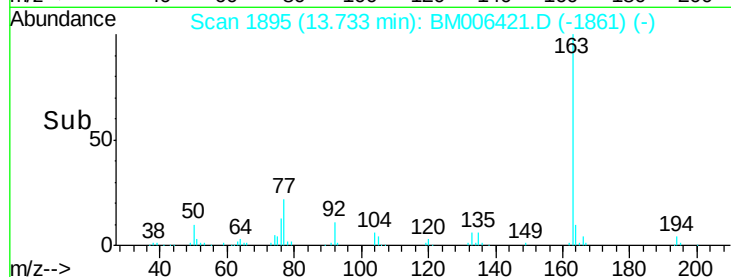
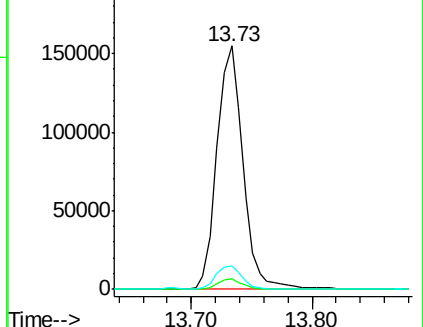
164 9.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 0.55 ng/ul

RT: 13.73 min Scan# 1894

Delta R.T. -0.13 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

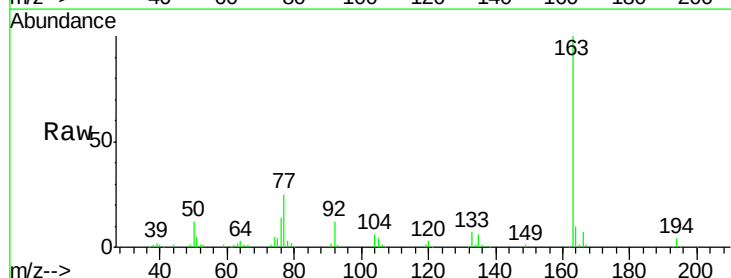
Tgt Ion:165 Resp: 2594

Ion Ratio Lower Upper

165 100

89 0.0 52.1 78.1#

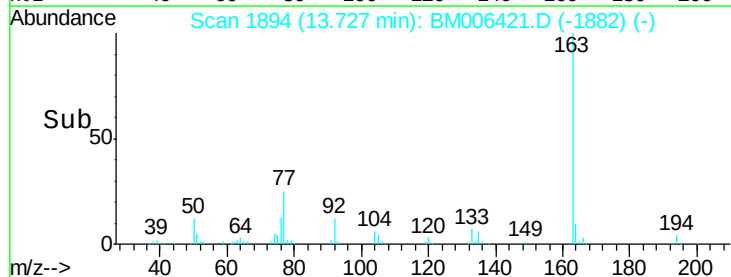
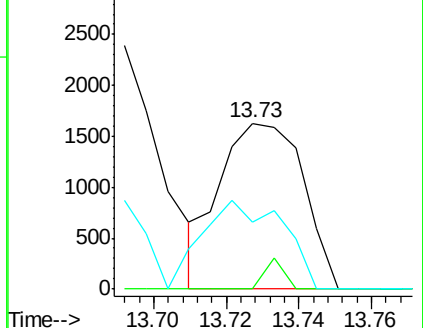
121 40.7 17.3 25.9#

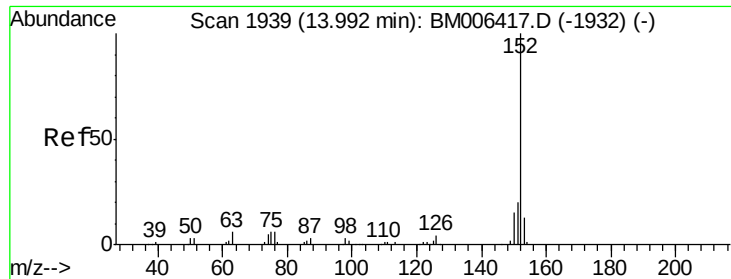


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E

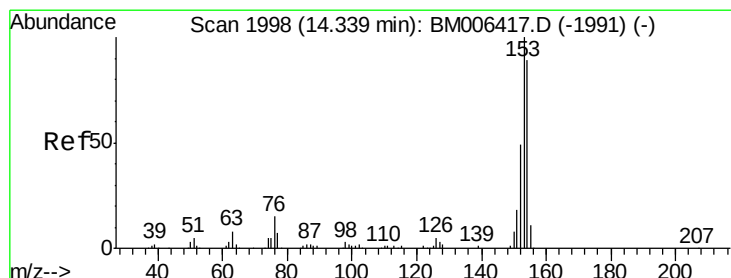
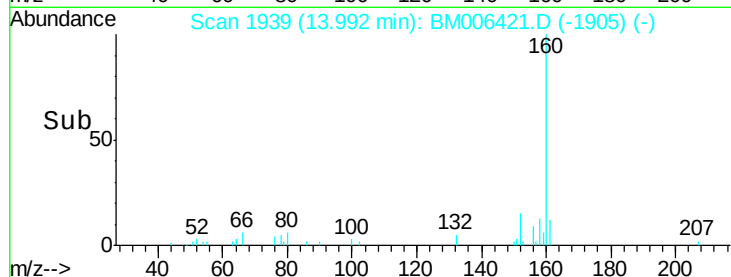
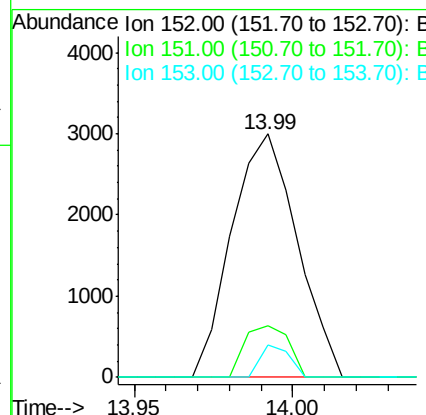
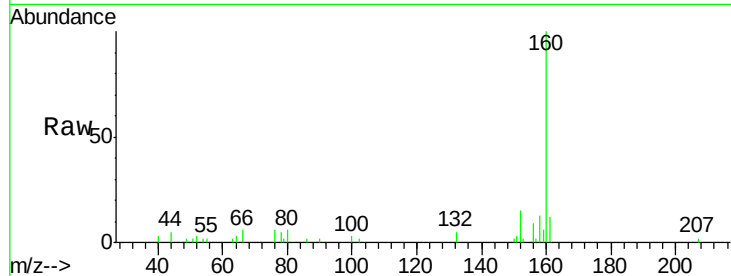




#47
Acenaphthylene
Concen: 0.14 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

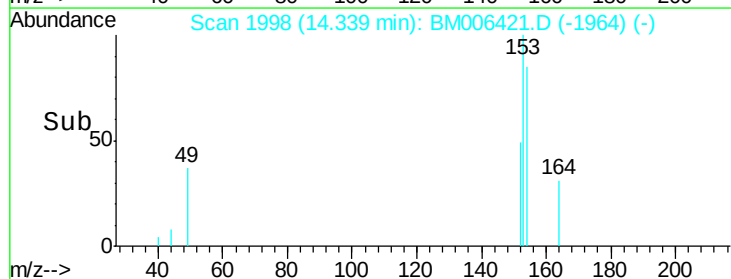
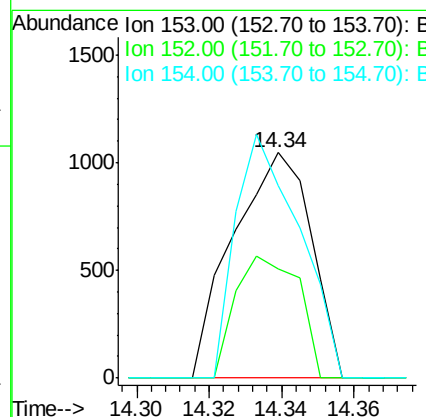
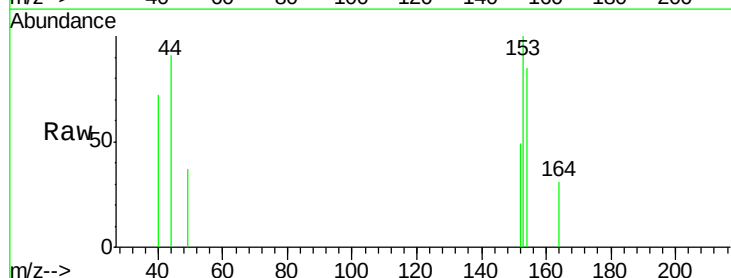
Instrument :
BNA_M
ClientSampleId :
BDJ63

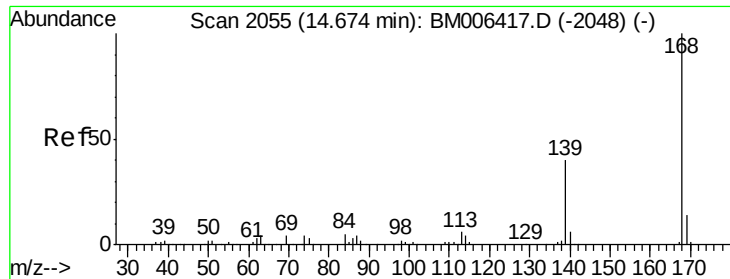
Tgt Ion:152 Resp: 4295
Ion Ratio Lower Upper
152 100
151 21.1 15.6 23.4
153 13.1 10.3 15.5



#49
Acenaphthene
Concen: 0.08 ng/ul
RT: 14.34 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

Tgt Ion:153 Resp: 1568
Ion Ratio Lower Upper
153 100
152 48.7 37.7 56.5
154 85.3 70.0 105.0





#53

Dibenzofuran

Concen: 0.01 ng/ul

RT: 14.67 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

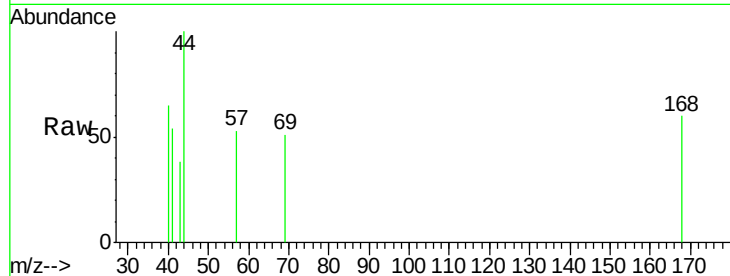
BDJ63

Tgt Ion:168 Resp: 313

Ion Ratio Lower Upper

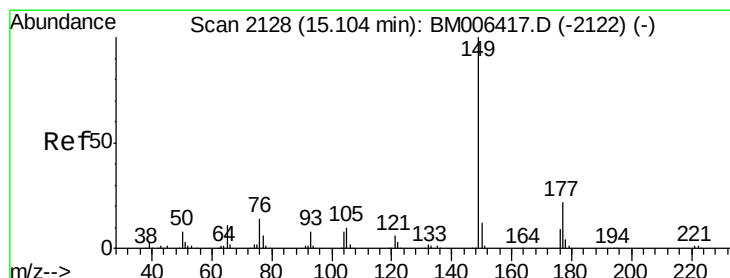
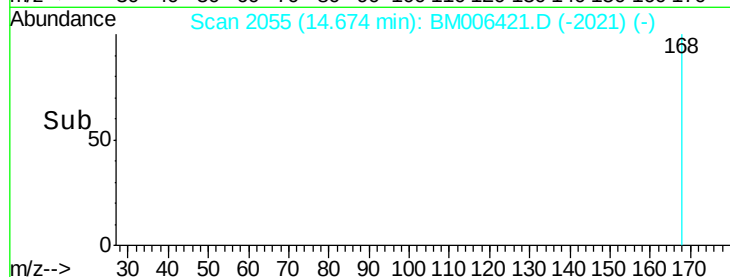
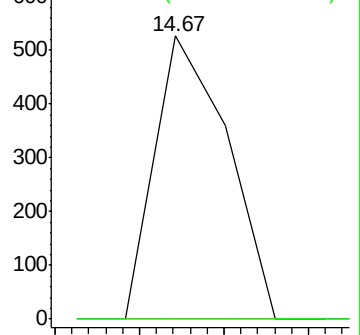
168 100

139 0.0 30.6 46.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 0.04 ng/ul

RT: 15.10 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

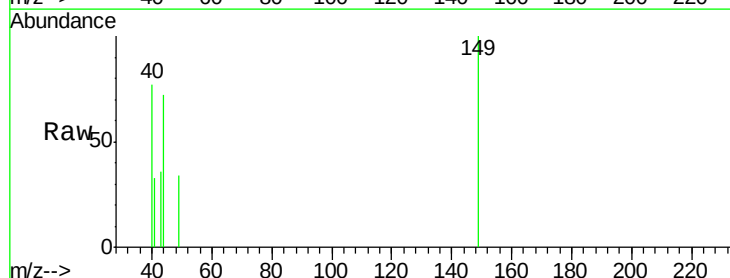
Tgt Ion:149 Resp: 918

Ion Ratio Lower Upper

149 100

177 0.0 17.7 26.5#

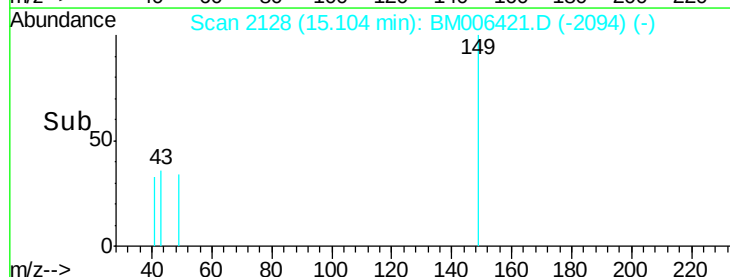
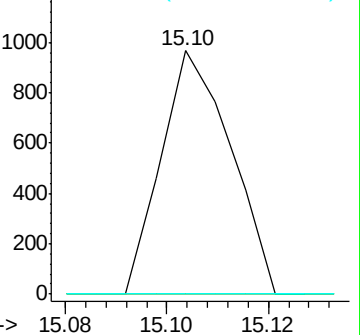
150 0.0 9.8 14.8#

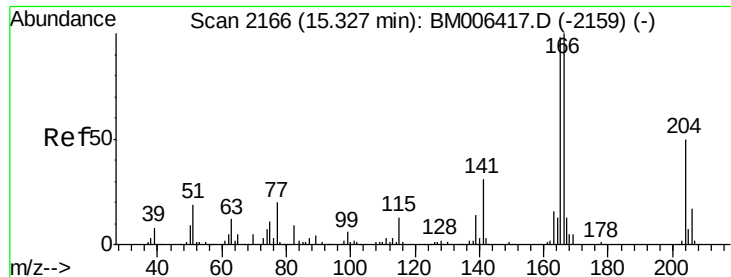


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 0.09 ng/ul

RT: 15.33 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

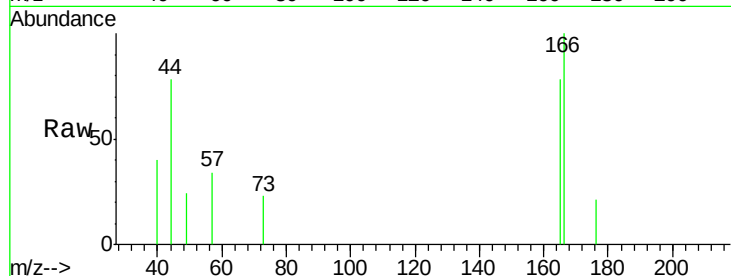
Tgt Ion:166 Resp: 2004

Ion Ratio Lower Upper

166 100

165 78.2 77.5 116.3

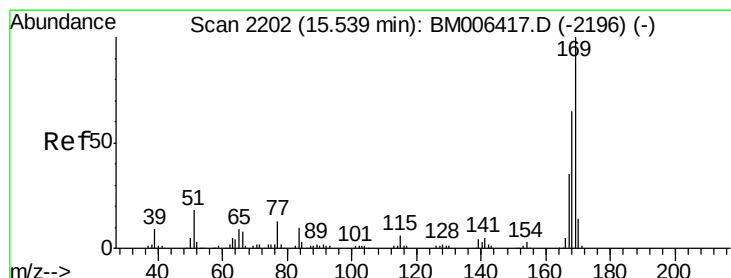
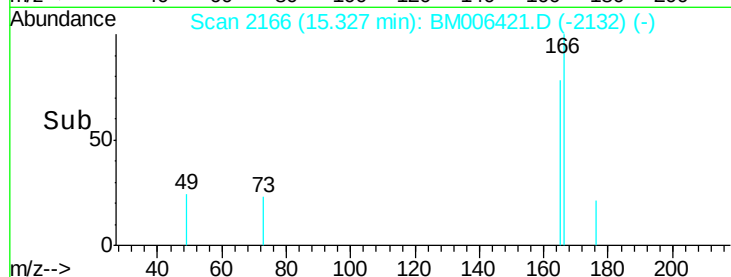
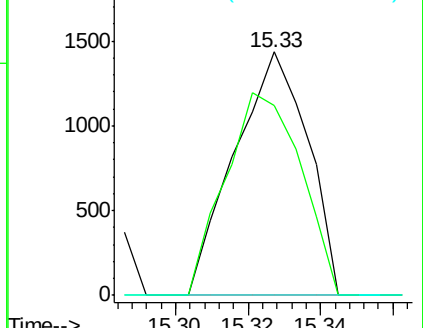
167 0.0 10.8 16.2#



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



#64

N-Nitrosodiphenylamine

Concen: 0.05 ng/ul

RT: 15.41 min Scan# 2180

Delta R.T. -0.13 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

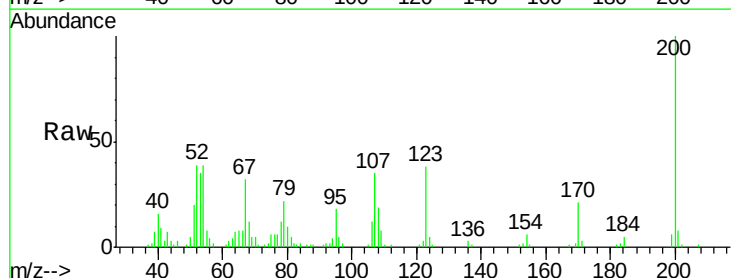
Tgt Ion:169 Resp: 986

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

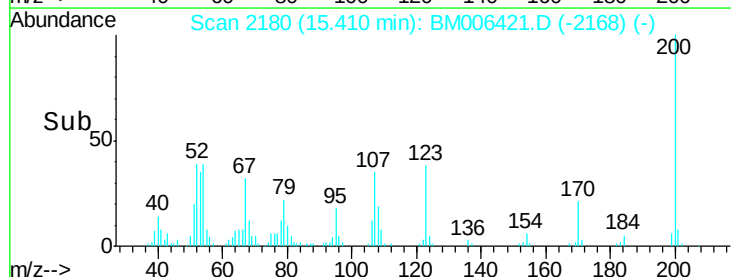
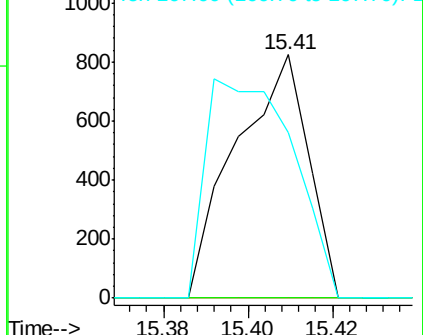
167 68.0 28.7 43.1#

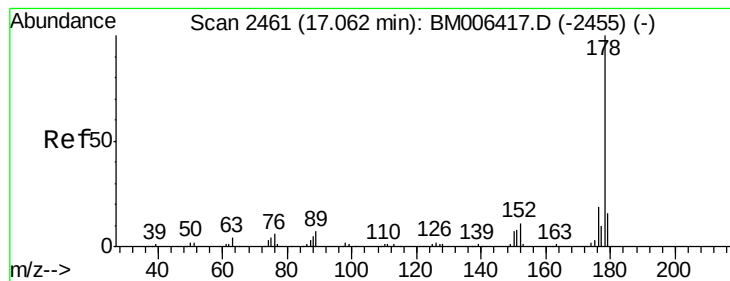


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.74 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampled :

BDJ63

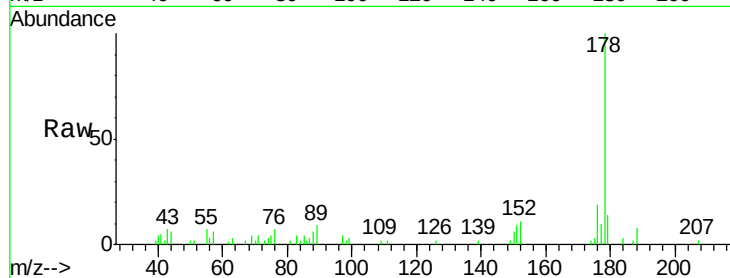
Tgt Ion:178 Resp: 28560

Ion Ratio Lower Upper

178 100

179 14.1 11.9 17.9

176 18.7 15.2 22.8



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

25000

20000

15000

10000

5000

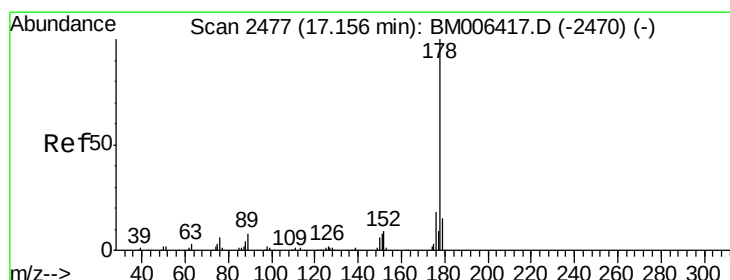
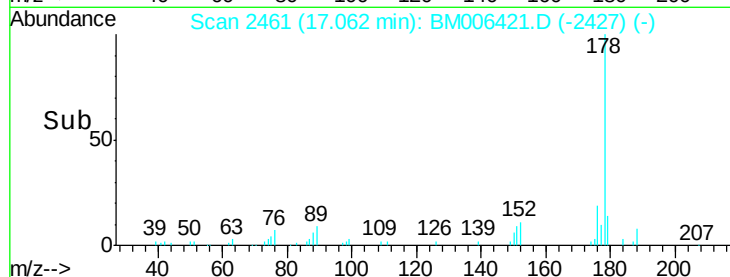
0

17.06

17.05

17.10

Time-->



#71

Anthracene

Concen: 0.78 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

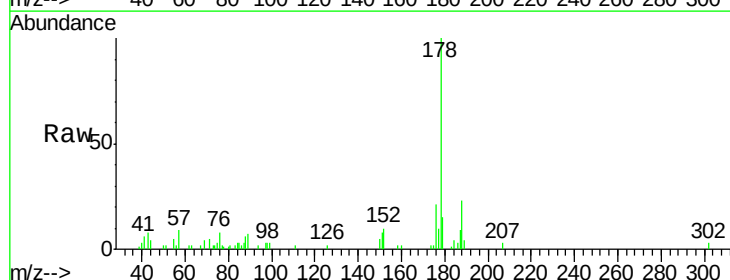
Tgt Ion:178 Resp: 30689

Ion Ratio Lower Upper

178 100

179 14.9 12.0 18.0

176 20.6 15.0 22.6



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

30000

25000

20000

15000

10000

5000

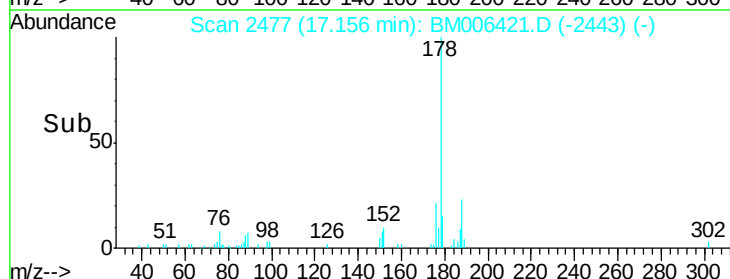
0

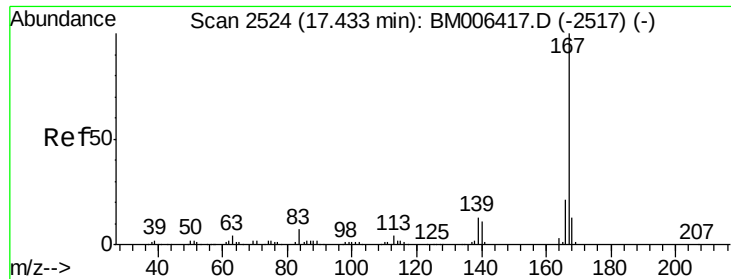
17.16

17.15

17.20

Time-->





#72

Carbazole

Concen: 0.06 ng/ul

RT: 17.43 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

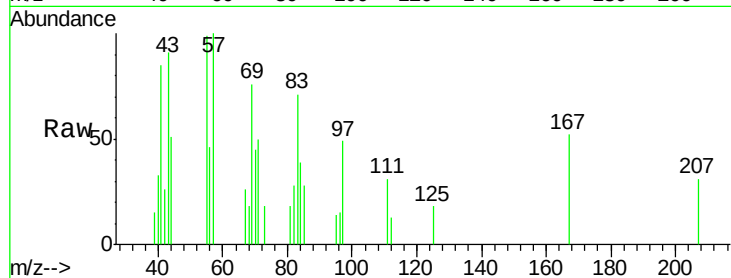
Tgt Ion:167 Resp: 2063

Ion Ratio Lower Upper

167 100

166 0.0 17.0 25.6#

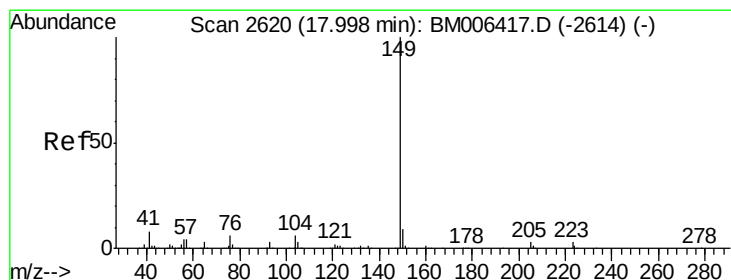
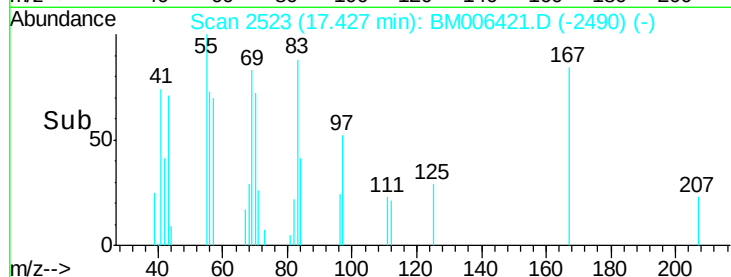
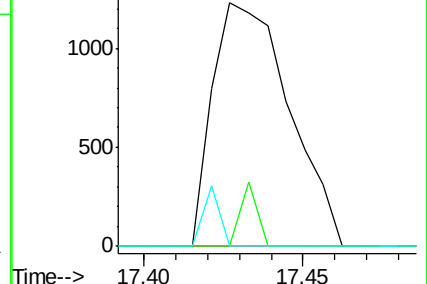
139 0.0 10.2 15.4#



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



#73

Di-n-butylphthalate

Concen: 0.10 ng/ul

RT: 17.99 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

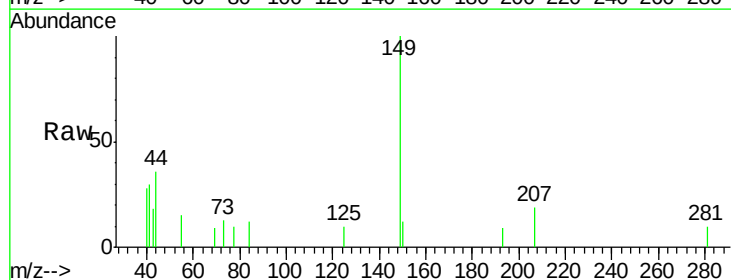
Tgt Ion:149 Resp: 4736

Ion Ratio Lower Upper

149 100

150 11.6 7.1 10.7#

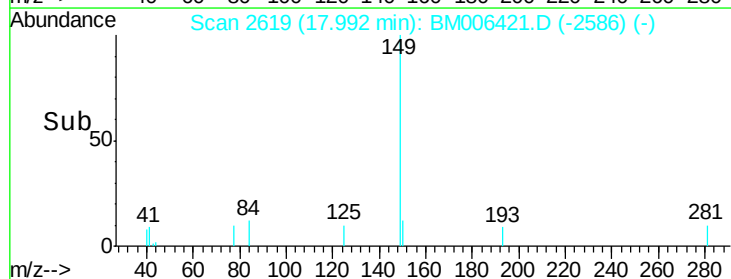
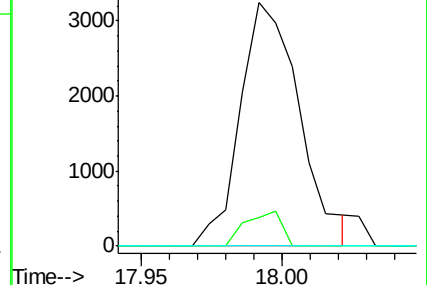
104 0.0 4.4 6.6#

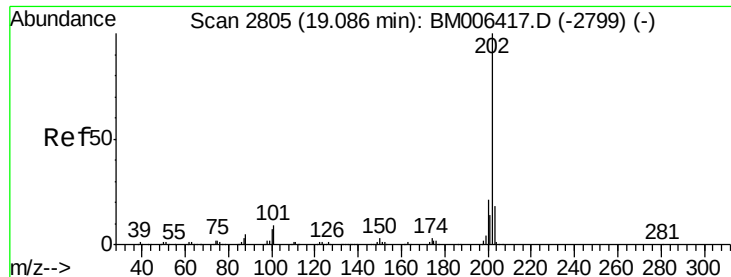


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.90 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

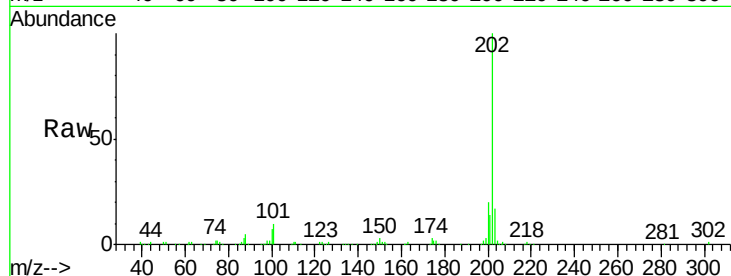
Tgt Ion:202 Resp: 219012

Ion Ratio Lower Upper

202 100

101 10.2 8.6 12.8

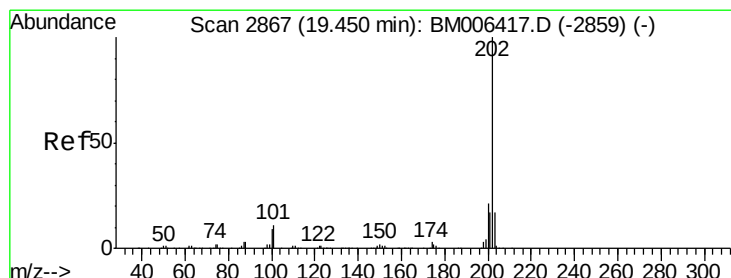
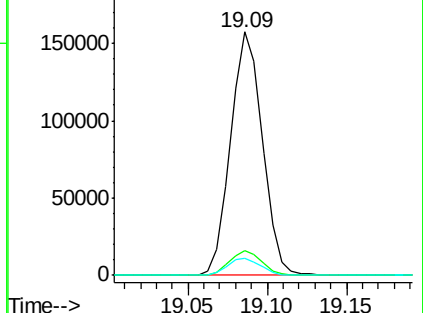
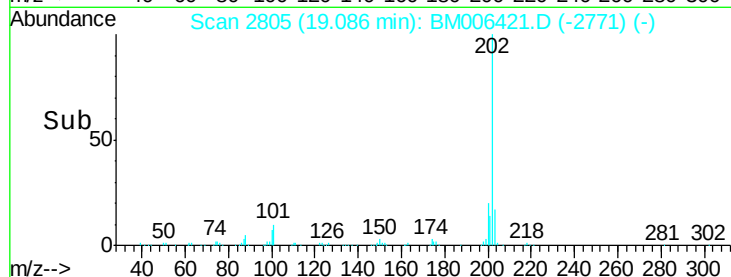
100 7.0 6.4 9.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 3.29 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

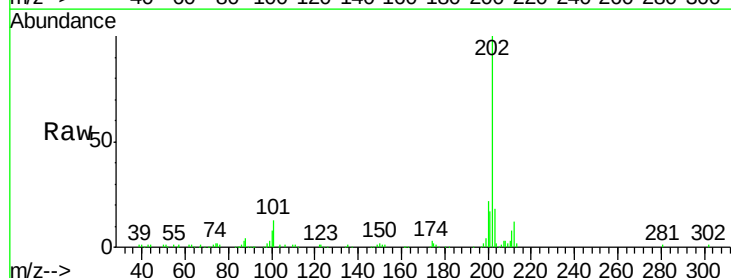
Tgt Ion:202 Resp: 176416

Ion Ratio Lower Upper

202 100

101 12.9 10.0 15.0

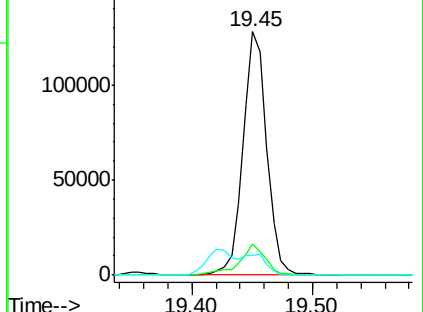
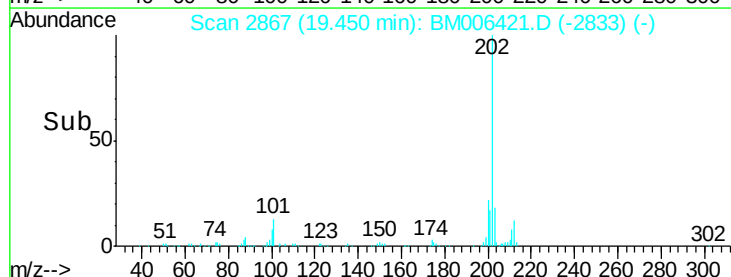
100 8.1 7.9 11.9

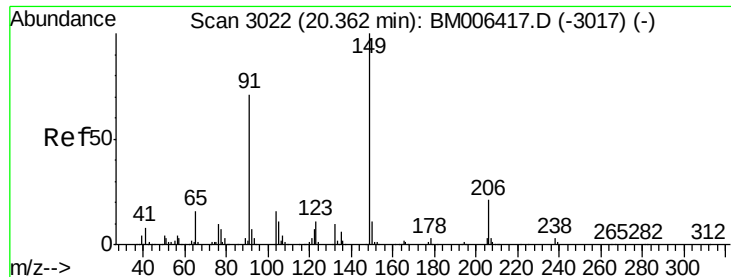


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

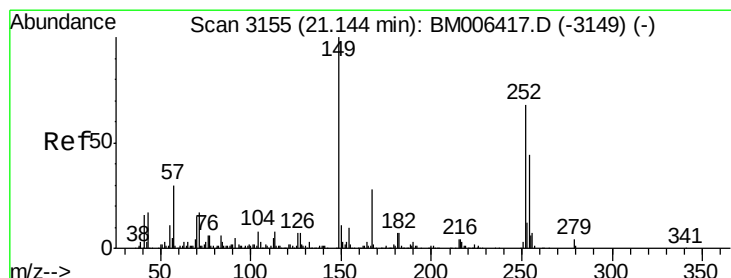
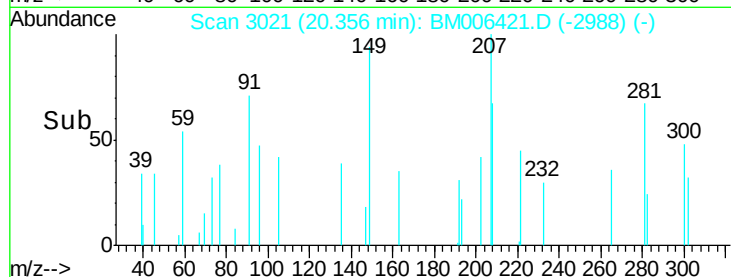
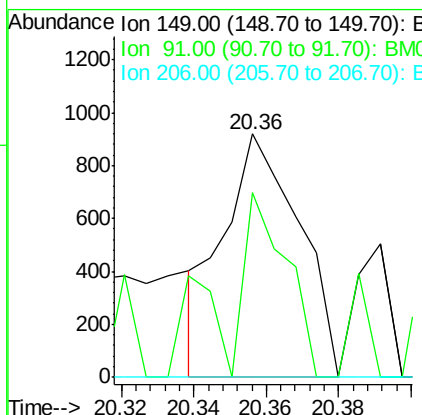
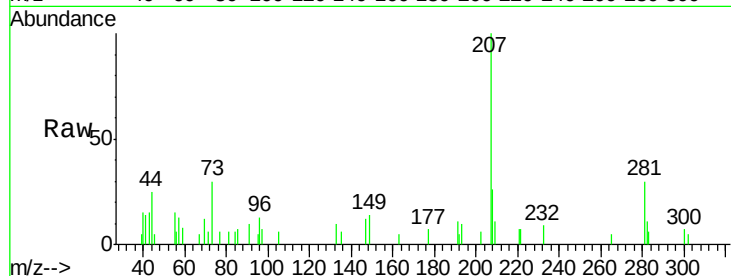




#78
Butylbenzylphthalate
Concen: 0.06 ng/ul
RT: 20.36 min Scan# 3021
Delta R.T. -0.01 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

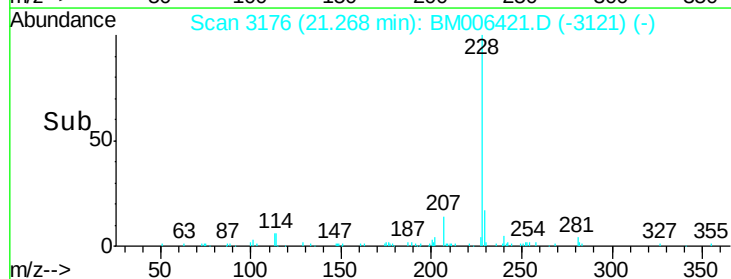
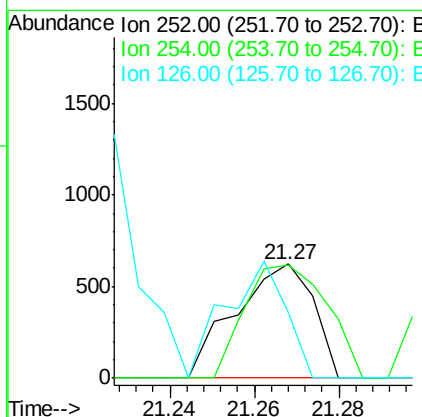
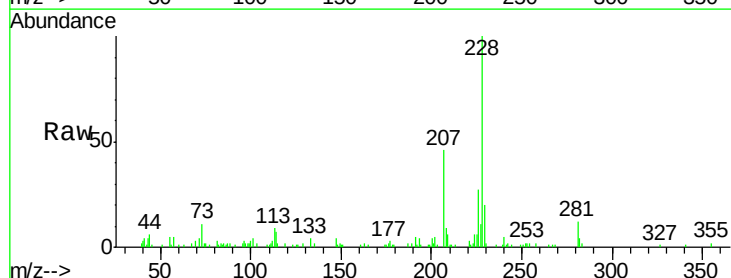
Instrument :
BNA_M
ClientSampled :
BDJ63

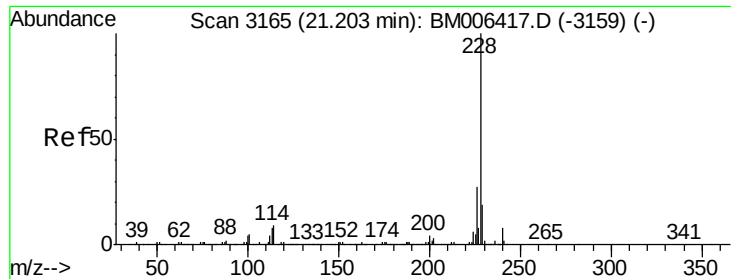
Tgt Ion:149 Resp: 1339
Ion Ratio Lower Upper
149 100
91 75.9 60.9 91.3
206 0.0 17.2 25.8#



#79
3,3'-Dichlorobenzidine
Concen: 0.05 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. 0.12 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

Tgt Ion:252 Resp: 800
Ion Ratio Lower Upper
252 100
254 99.0 50.8 76.2#
126 57.6 9.0 13.4#





#80

Benzo(a)anthracene

Concen: 2.26 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

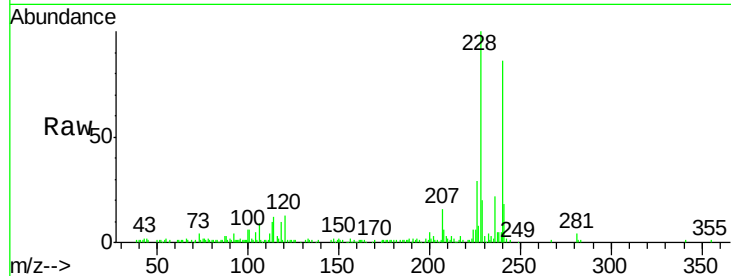
Tgt Ion:228 Resp: 124042

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

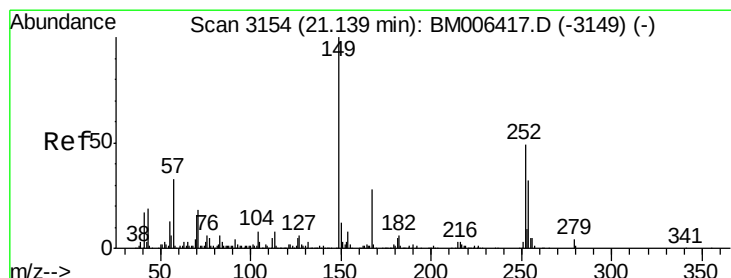
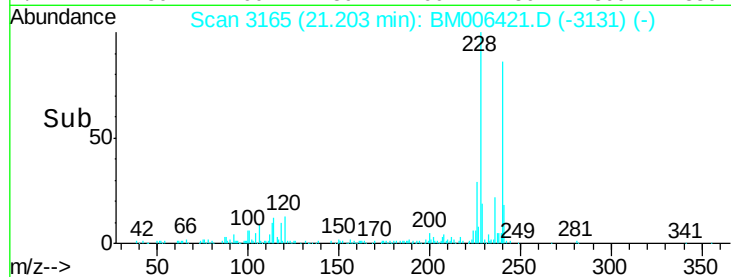
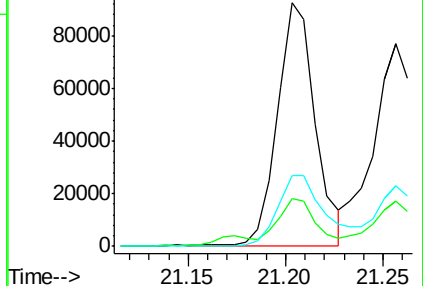
226 28.9 21.4 32.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng/ul

RT: 21.14 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

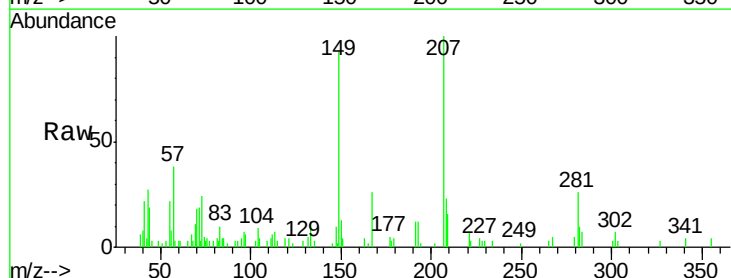
Tgt Ion:149 Resp: 15597

Ion Ratio Lower Upper

149 100

167 28.3 22.2 33.2

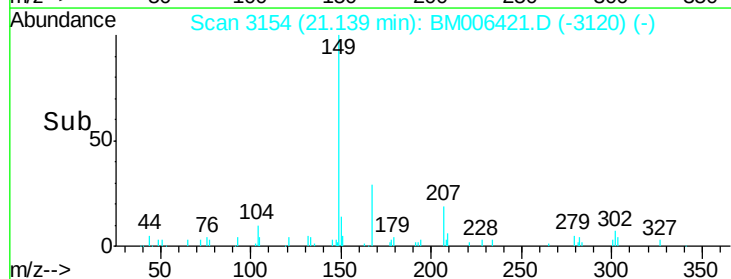
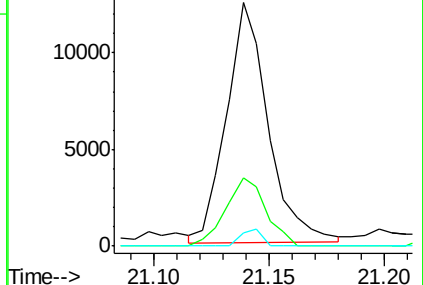
279 5.3 3.1 4.7#

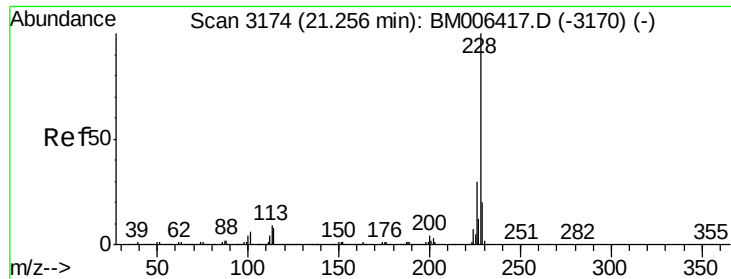


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 2.26 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

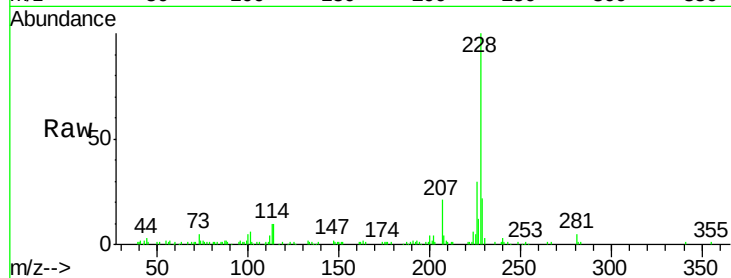
Tgt Ion:228 Resp: 116404

Ion Ratio Lower Upper

228 100

226 30.0 23.3 34.9

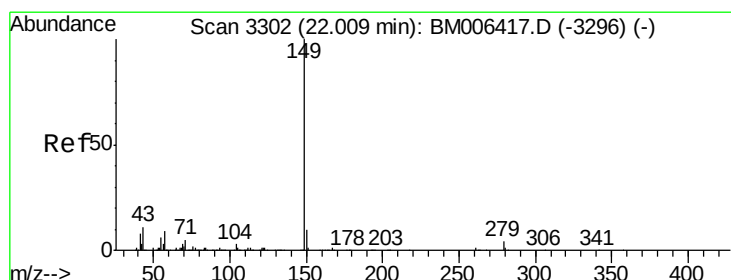
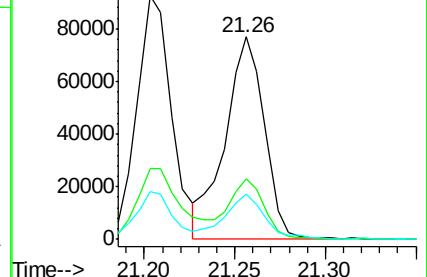
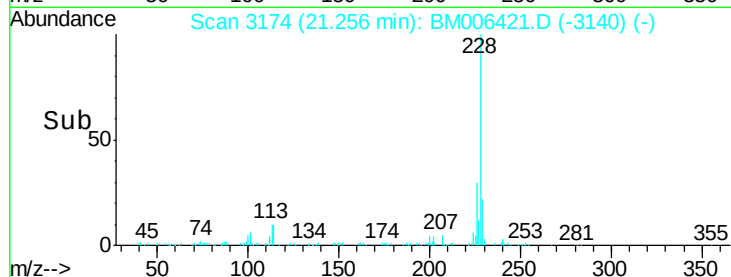
229 22.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 0.04 ng/ul

RT: 22.01 min Scan# 3303

Delta R.T. 0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

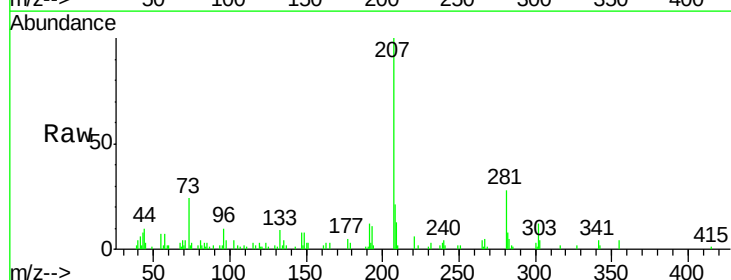
Tgt Ion:149 Resp: 2508

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

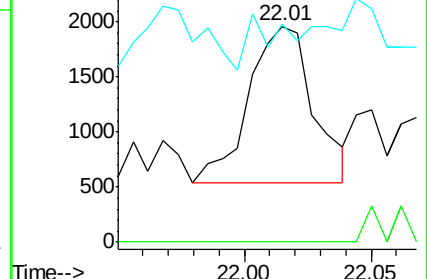
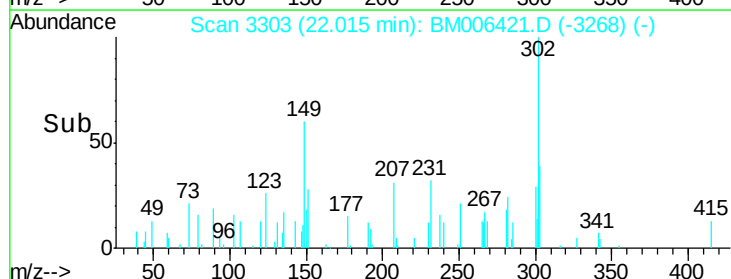
43 101.1 9.1 13.7#

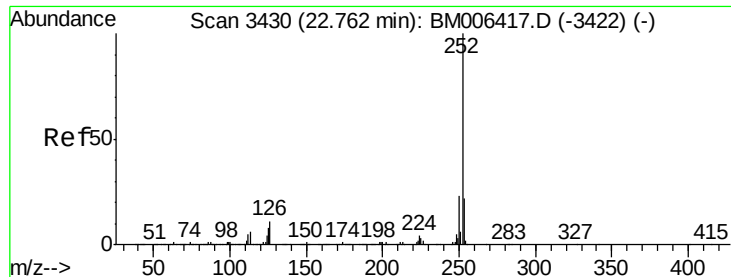


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

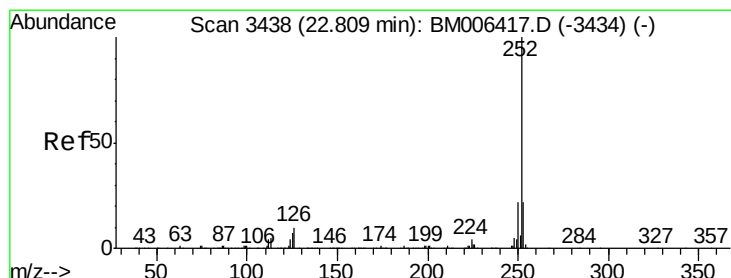
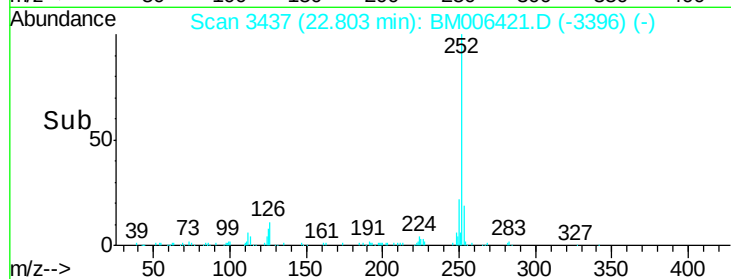
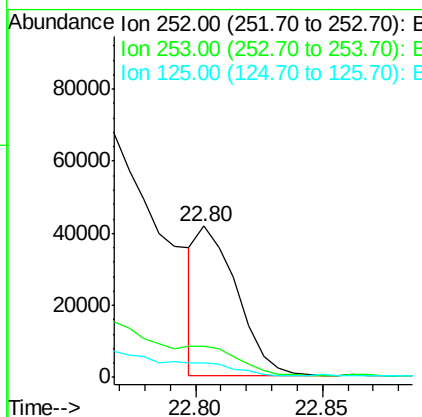
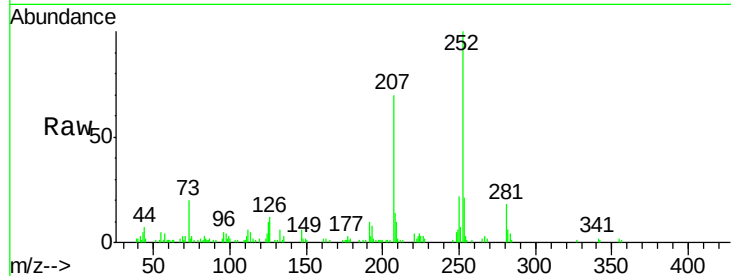




#85
Benzo(b)fluoranthene
Concen: 0.78 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. 0.04 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

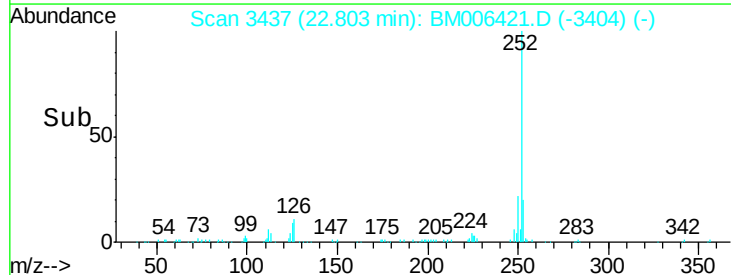
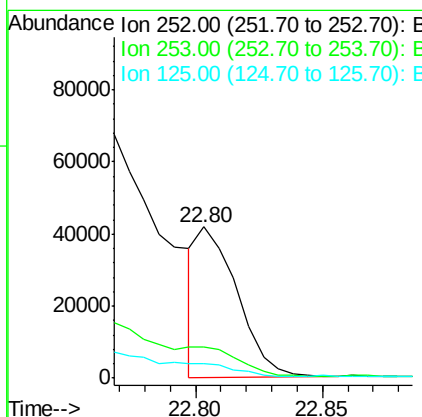
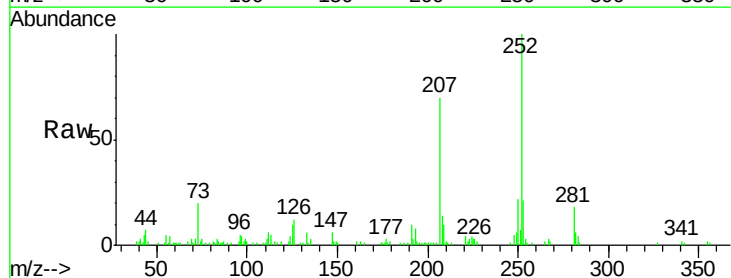
Instrument :
BNA_M
ClientSampleId :
BDJ63

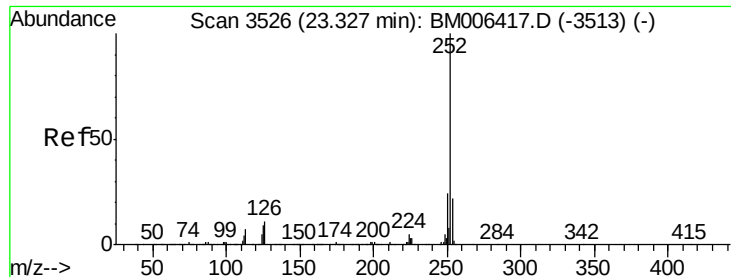
Tgt Ion:252 Resp: 45060
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.2
125 9.6 6.7 10.1



#86
Benzo(k)fluoranthene
Concen: 0.83 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. -0.01 min
Lab File: BM006421.D
Acq: 14 Jul 2016 21:08

Tgt Ion:252 Resp: 45107
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 9.6 7.0 10.4





#88

Benzo(a)pyrene

Concen: 2.13 ng/ul

RT: 23.33 min Scan# 3526

Delta R.T. 0.00 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

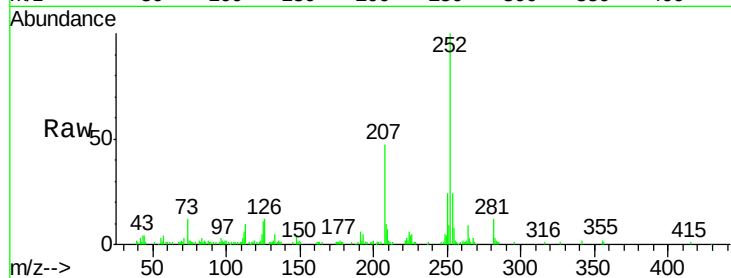
Tgt Ion:252 Resp: 117811

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

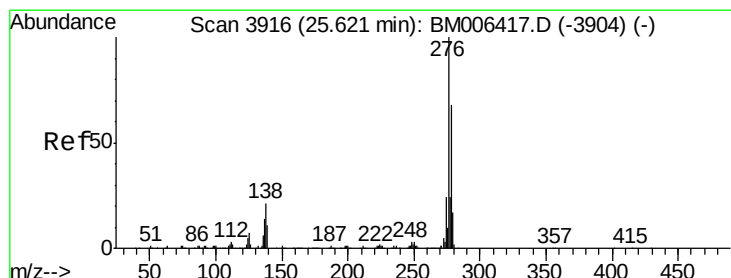
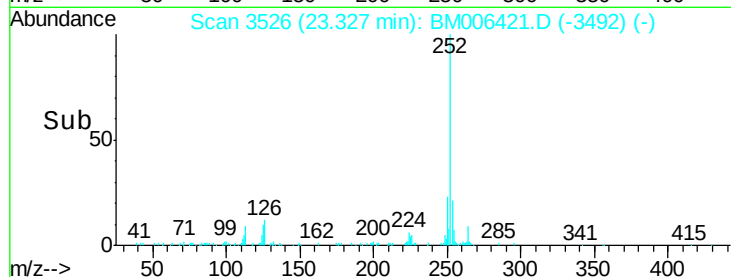
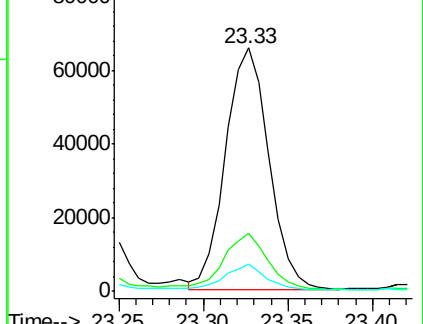
125 11.3 7.6 11.4



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.16 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

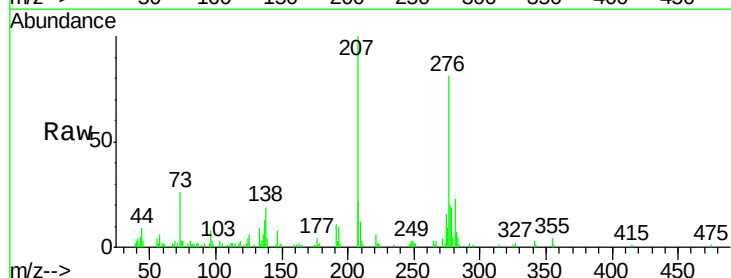
Tgt Ion:276 Resp: 74808

Ion Ratio Lower Upper

276 100

138 23.2 17.8 26.6

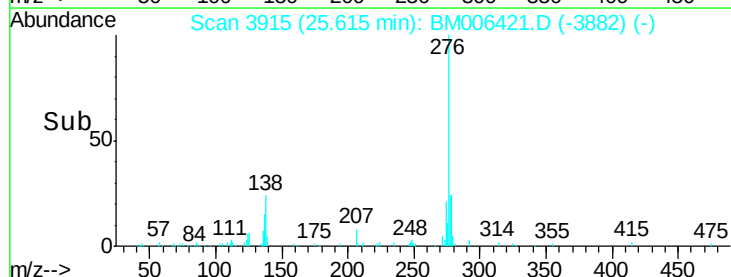
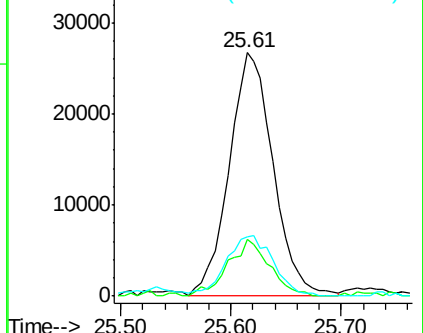
277 24.1 20.1 30.1

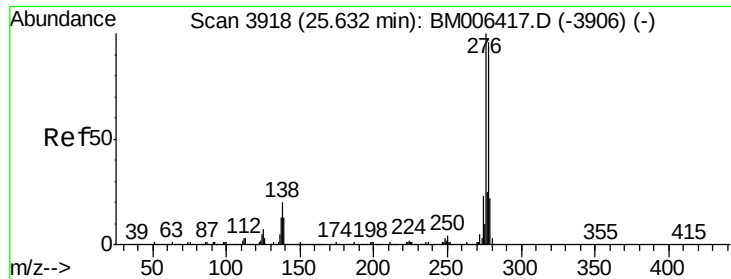


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

BDJ63

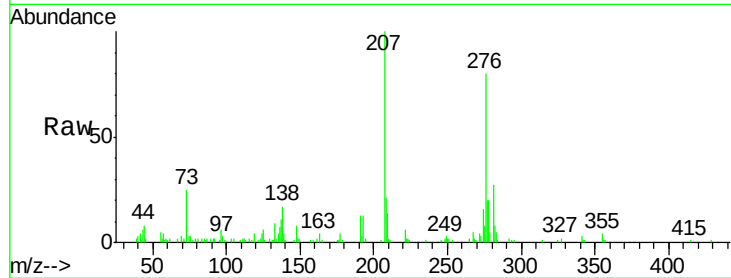
Tgt Ion:278 Resp: 21976

Ion Ratio Lower Upper

278 100

139 24.3 11.7 17.5#

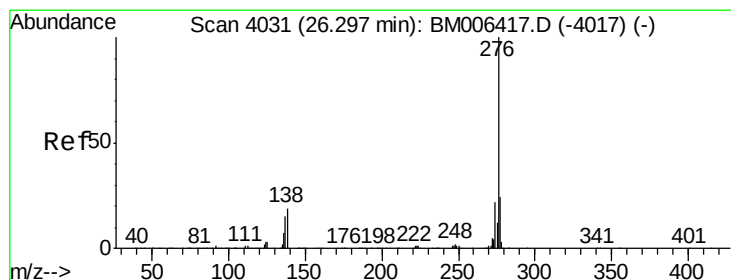
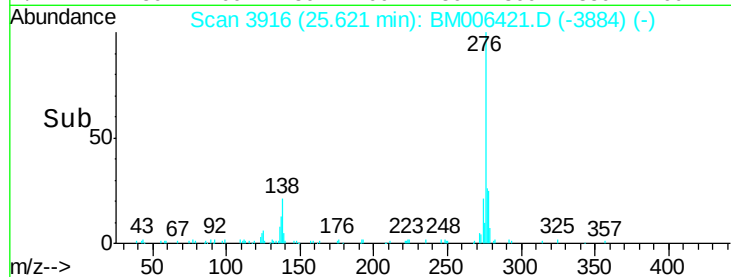
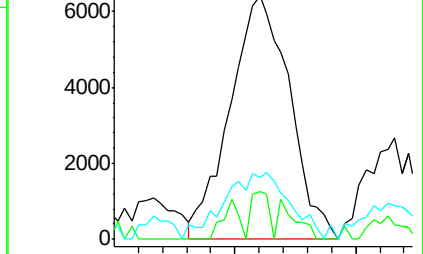
279 25.5 19.2 28.8



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



#91

Benzo(g,h,i)perylene

Concen: 1.10 ng/ul

RT: 26.29 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM006421.D

Acq: 14 Jul 2016 21:08

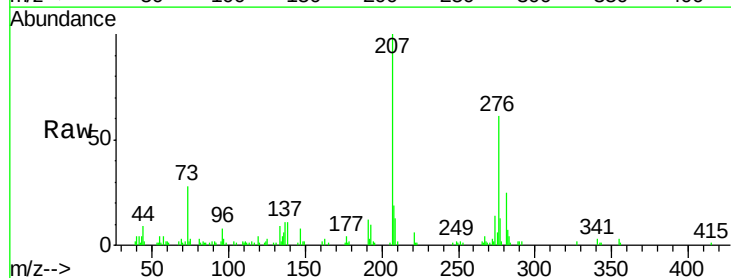
Tgt Ion:276 Resp: 62614

Ion Ratio Lower Upper

276 100

138 18.3 15.0 22.4

277 22.0 19.0 28.4



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

