

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071416\
 Data File : BM006419.D
 Acq On : 14 Jul 2016 19:54
 Operator : UM/SJ
 Sample : H3990-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ61

Quant Time: Jul 15 04:35:36 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	97081	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	418907	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	262011	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	648682	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	840880	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	908892	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	4674	2.03	ng/uL	0.00
5) Phenol-d5	6.80	99	199615	25.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	125499	26.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	159791	24.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	162827	25.76	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	78319	24.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	89482	24.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	153819	22.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	223401	31.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	567878	26.48	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	664362	25.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	66237	17.78	ng/ul	0.00
57) Fluorene-d10	15.27	176	491028	25.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	59112	15.75	ng/ul	0.00
70) Anthracene-d10	17.12	188	804093	26.22	ng/ul	0.00
76) Pyrene-d10	19.42	212	987080	25.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	1151354	27.70	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.83	94	6172	0.74	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.06	93	402	0.07	ng/ul#	59
12) 2,2'-oxybis(1-Chloropropan	8.32	45	825	0.08	ng/ul#	69
14) Acetophenone	8.45	105	632	0.06	ng/ul#	19
15) N-Nitroso-di-n-propylamine	8.33	70	4647	0.88	ng/ul#	1
20) Nitrobenzene	8.77	77	497	0.06	ng/ul#	42
21) Isophorone	9.49	82	9161	0.61	ng/ul#	72
28) Naphthalene	10.45	128	1660	0.08	ng/ul#	69
44) Dimethylphthalate	13.73	163	231517	10.64	ng/ul	100
45) 2,6-Dinitrotoluene	13.73	165	2533	0.59	ng/ul#	23
47) Acenaphthylene	13.99	152	3422	0.12	ng/ul#	84
56) Diethylphthalate	15.10	149	1030	0.04	ng/ul#	59
58) Fluorene	15.28	166	577	0.03	ng/ul#	9
64) N-Nitrosodiphenylamine	15.40	169	459	0.02	ng/ul#	23
69) Phenanthrene	17.06	178	5800	0.16	ng/ul#	89
71) Anthracene	17.15	178	4097	0.11	ng/ul#	83
72) Carbazole	17.44	167	809	0.03	ng/ul#	60
73) Di-n-butylphthalate	18.00	149	6810	0.16	ng/ul#	96
74) Fluoranthene	19.09	202	26175	0.63	ng/ul#	96
77) Pyrene	19.45	202	34473	0.69	ng/ul	96
78) Butylbenzylphthalate	20.36	149	938	0.04	ng/ul#	78
79) 3,3'-Dichlorobenzidine	21.26	252	349	0.02	ng/ul#	1
80) Benzo(a)anthracene	21.26	228	27527	0.54	ng/ul	94

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Response via : Initial Calibration

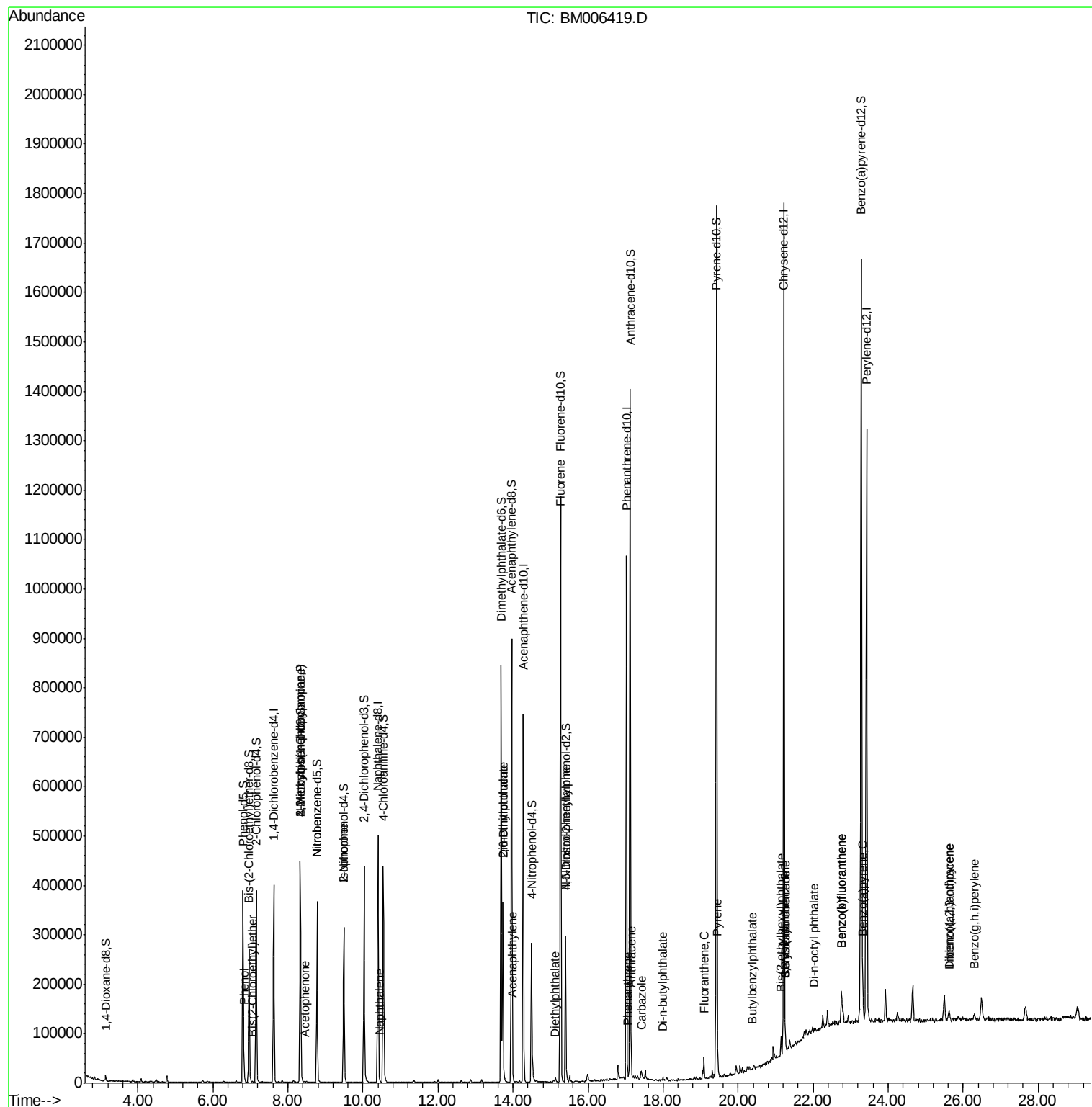
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Bis(2-ethylhexyl)phthalate	21.14	149	14704	0.48	ng/ul	94
82) Chrysene	21.26	228	27527	0.57	ng/ul	97
84) Di-n-octyl phthalate	22.02	149	1154	0.02	ng/ul#	1
85) Benzo(b)fluoranthene	22.77	252	36431	0.67	ng/ul#	92
86) Benzo(k)fluoranthene	22.77	252	36431	0.71	ng/ul#	92
88) Benzo(a)pyrene	23.33	252	31211	0.60	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.62	276	16530	0.27	ng/ul	97
90) Dibenzo(a,h)anthracene	25.64	278	2055	0.04	ng/ul#	84
91) Benzo(g,h,i)perylene	26.30	276	13009	0.24	ng/ul#	85

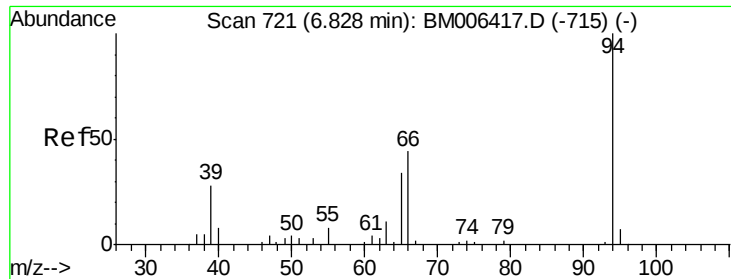
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 0.74 ng/ul

RT: 6.83 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

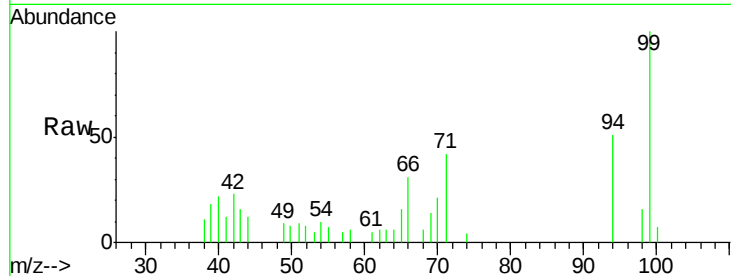
Tgt Ion: 94 Resp: 6172

Ion Ratio Lower Upper

94 100

65 31.8 25.8 38.8

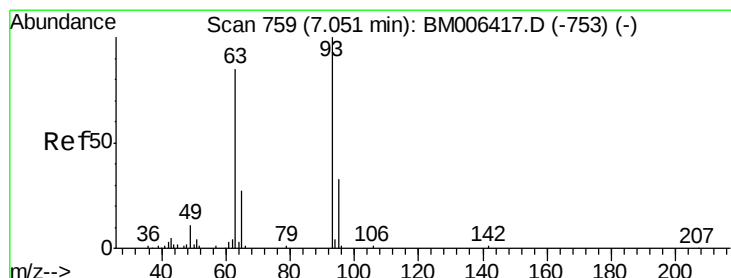
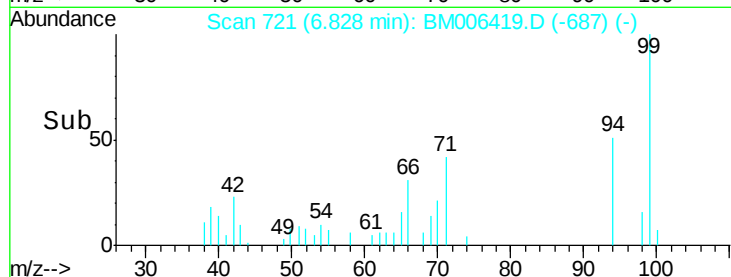
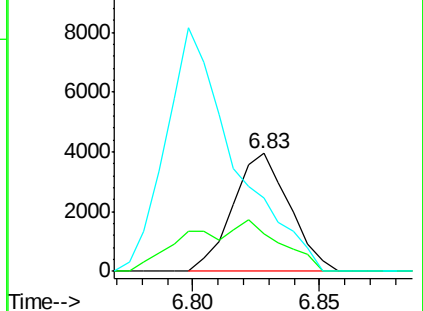
66 62.1 35.7 53.5#



Abundance Ion 94.00 (93.70 to 94.70): BM006419.D (-687) (-)

Ion 65.00 (64.70 to 65.70): BM006419.D (-687) (-)

Ion 66.00 (65.70 to 66.70): BM006419.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: BM006419.D

Acq: 14 Jul 2016 19:54

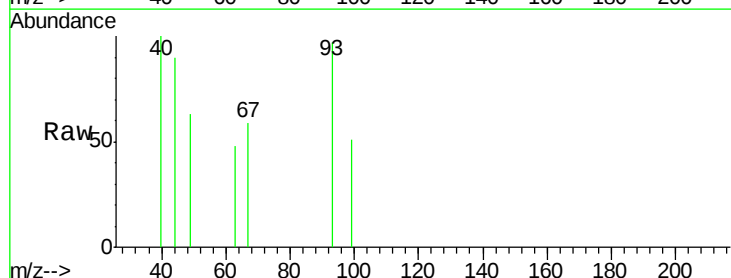
Tgt Ion: 93 Resp: 402

Ion Ratio Lower Upper

93 100

63 49.5 64.2 96.4#

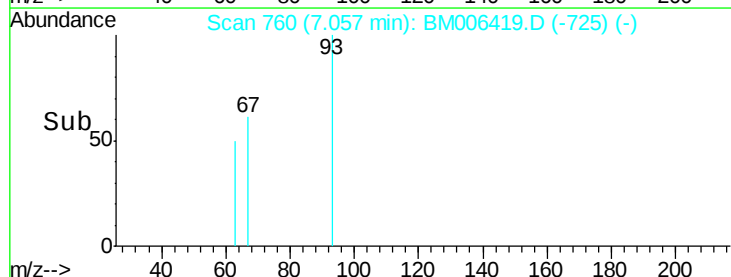
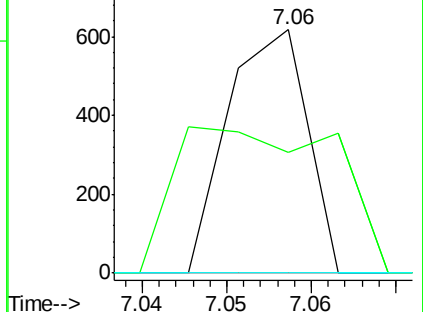
95 0.0 26.0 39.0#

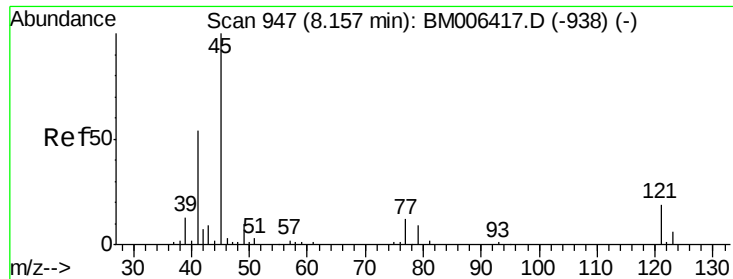


Abundance Ion 93.00 (92.70 to 93.70): BM006419.D (-725) (-)

Ion 63.00 (62.70 to 63.70): BM006419.D (-725) (-)

Ion 95.00 (94.70 to 95.70): BM006419.D (-725) (-)





#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.08 ng/ul

RT: 8.32 min Scan# 975

Delta R.T. 0.16 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

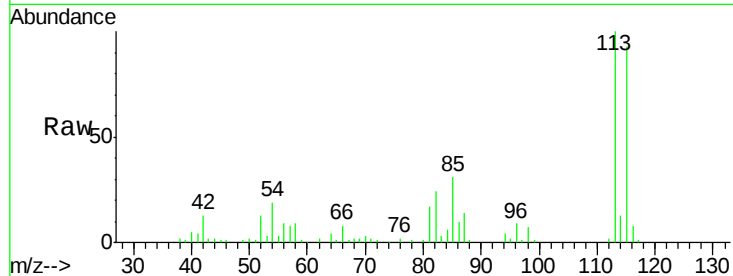
Tgt Ion: 45 Resp: 825

Ion Ratio Lower Upper

45 100

77 0.0 11.0 16.4#

79 0.0 8.2 12.4#

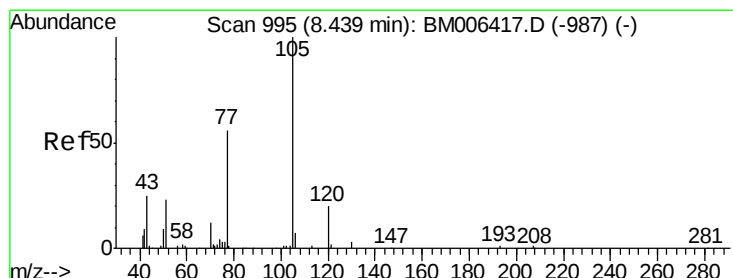
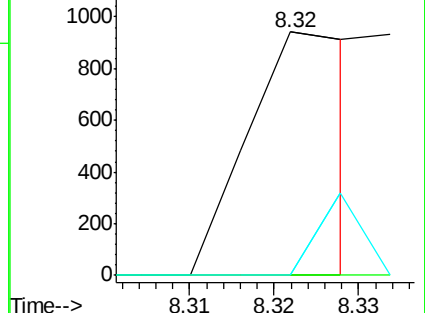
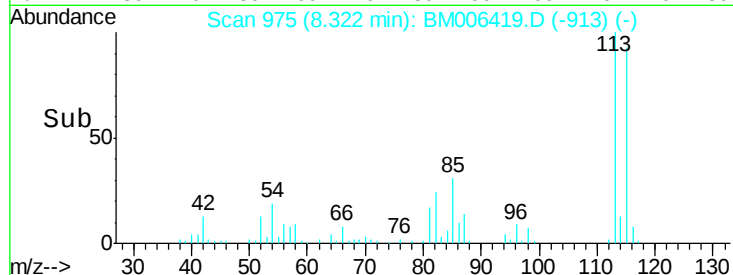


Abundance Ion 45.00 (44.70 to 45.70): BM006419.D (-913) (-)

Ion 77.00 (76.70 to 77.70): BM006419.D (-913) (-)

Ion 79.00 (78.70 to 79.70): BM006419.D (-913) (-)

Time-->



#14

Acetophenone

Concen: 0.06 ng/ul

RT: 8.45 min Scan# 997

Delta R.T. 0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

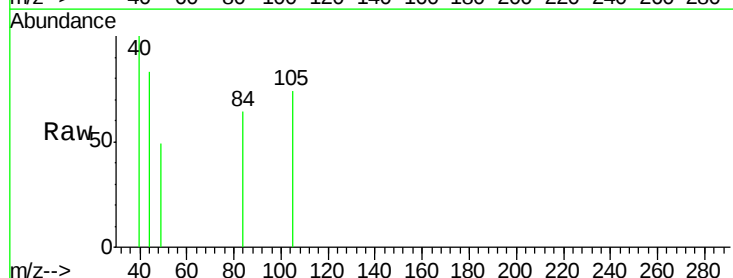
Tgt Ion: 105 Resp: 632

Ion Ratio Lower Upper

105 100

77 0.0 62.8 94.2#

51 0.0 26.5 39.7#

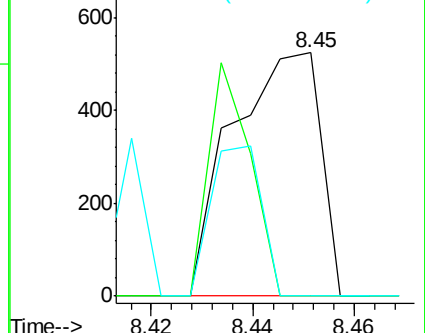
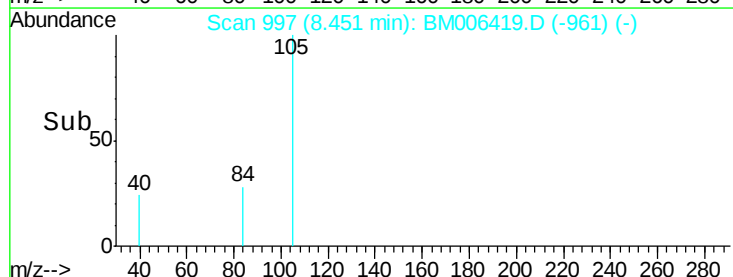


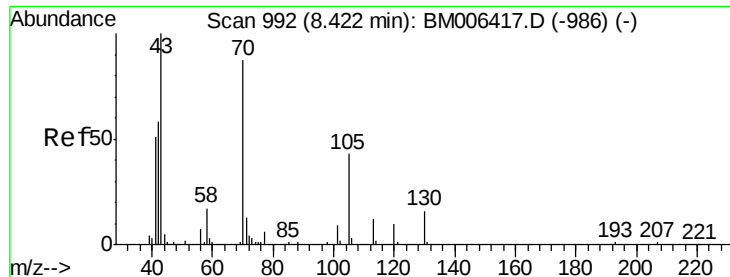
Abundance Ion 105.00 (104.70 to 105.70): BM006419.D (-961) (-)

Ion 77.00 (76.70 to 77.70): BM006419.D (-961) (-)

Ion 51.00 (50.70 to 51.70): BM006419.D (-961) (-)

Time-->





#15

N-Nitroso-di-n-propylamine

Concen: 0.88 ng/ul

RT: 8.33 min Scan# 976

Delta R.T. -0.09 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

Tgt Ion: 70 Resp: 4647

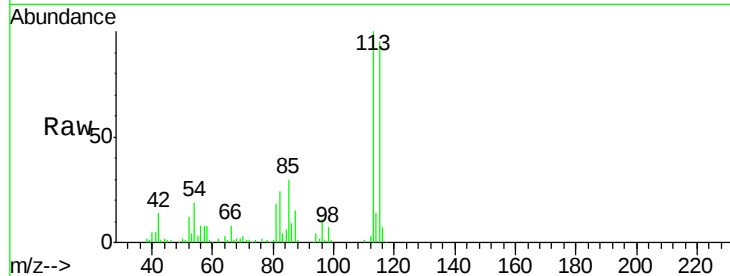
Ion Ratio Lower Upper

70 100

42 436.3 50.6 75.8#

101 0.0 7.9 11.9#

130 0.0 15.8 23.6#

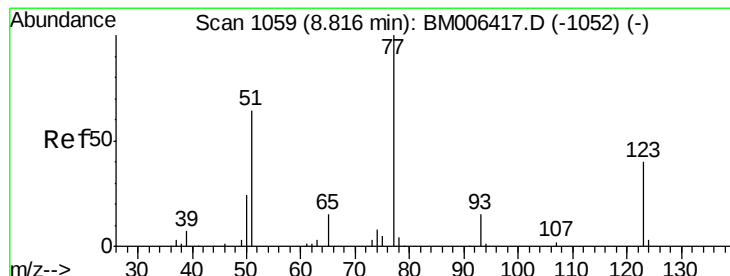
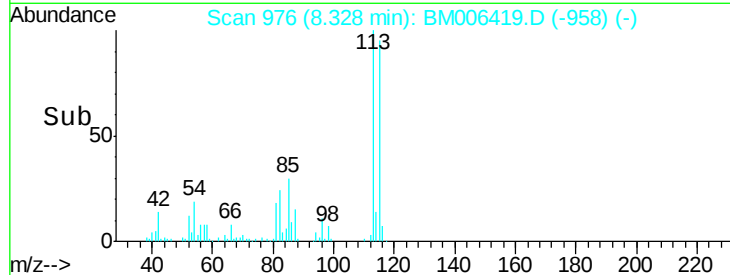
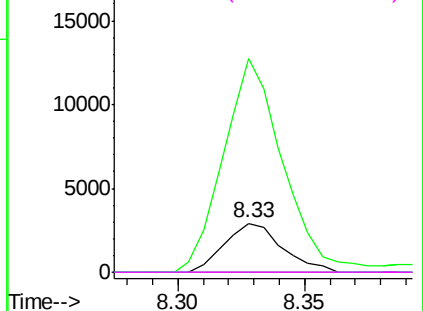


Abundance Ion 70.00 (69.70 to 70.70): BM006419.D (-958) (-)

Ion 42.00 (41.70 to 42.70): BM006419.D (-958) (-)

Ion 101.00 (100.70 to 101.70): BM006419.D (-958) (-)

Ion 130.00 (129.70 to 130.70): BM006419.D (-958) (-)



#20

Nitrobenzene

Concen: 0.06 ng/ul

RT: 8.77 min Scan# 1052

Delta R.T. -0.04 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

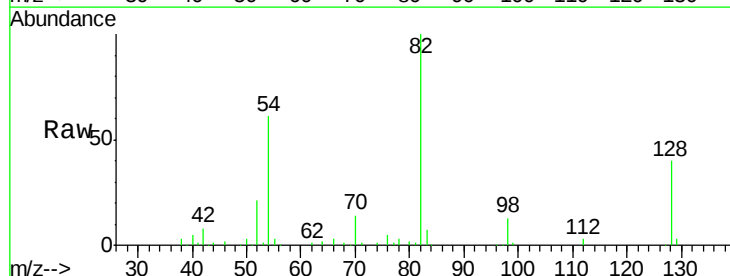
Tgt Ion: 77 Resp: 497

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

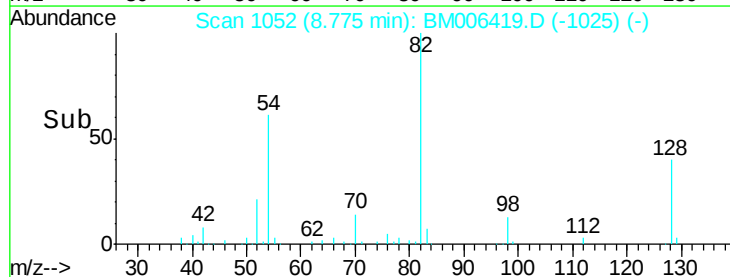
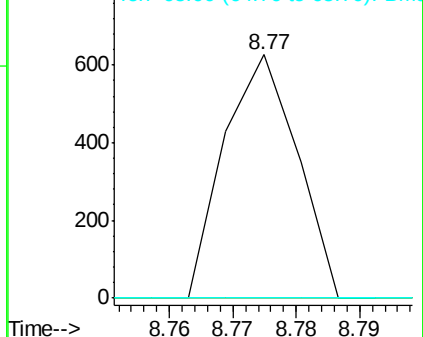
65 0.0 11.5 17.3#

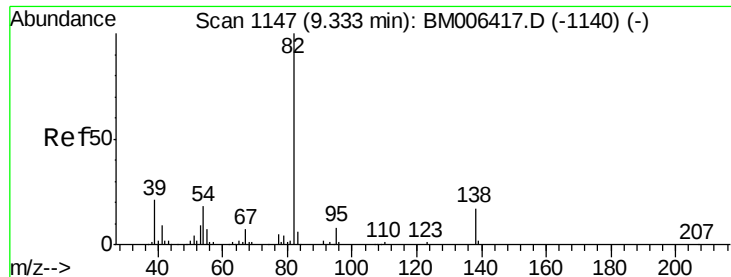


Abundance Ion 77.00 (76.70 to 77.70): BM006419.D (-1025) (-)

Ion 123.00 (122.70 to 123.70): BM006419.D (-1025) (-)

Ion 65.00 (64.70 to 65.70): BM006419.D (-1025) (-)





#21

Isophorone

Concen: 0.61 ng/ul

RT: 9.49 min Scan# 1173

Delta R.T. 0.15 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

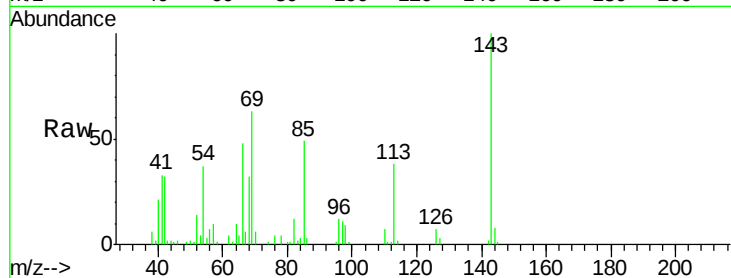
Tgt Ion: 82 Resp: 9161

Ion Ratio Lower Upper

82 100

95 5.6 6.0 9.0#

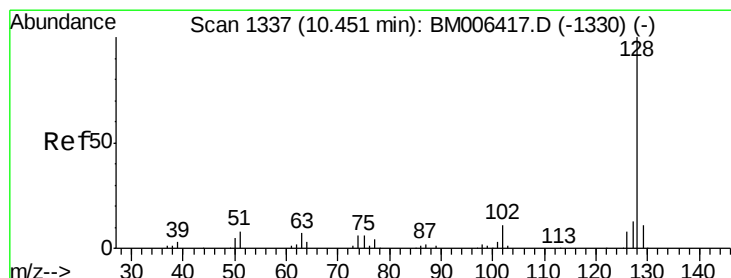
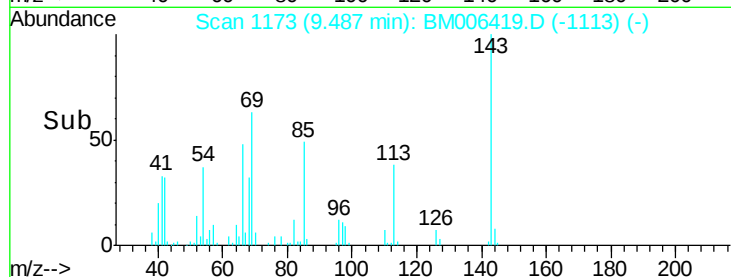
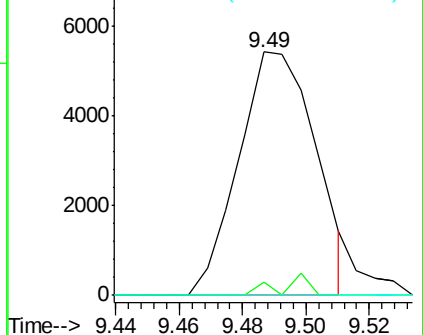
138 0.0 13.0 19.4#



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) (-)



#28

Naphthalene

Concen: 0.08 ng/ul

RT: 10.45 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

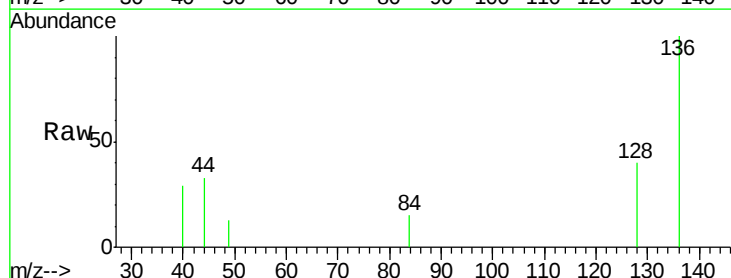
Tgt Ion: 128 Resp: 1660

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

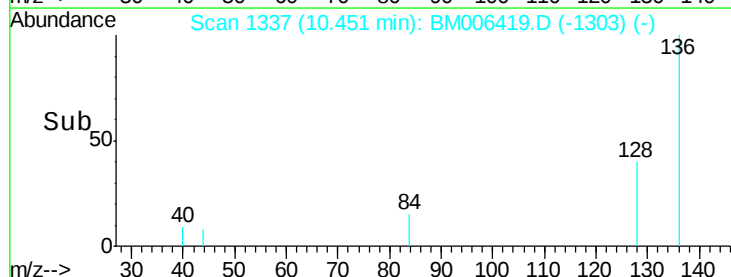
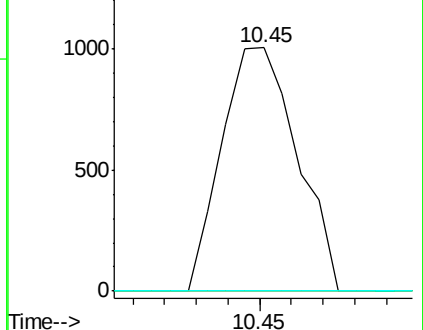
127 0.0 10.9 16.3#

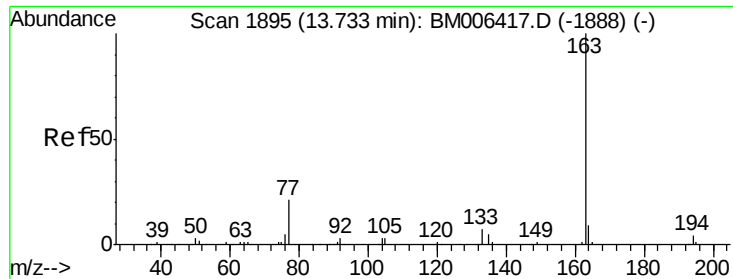


Abundance Ion 128.00 (127.70 to 128.70): BM006417.D (-1330) (-)

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

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





#44

Dimethylphthalate

Concen: 10.64 ng/ul

RT: 13.73 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

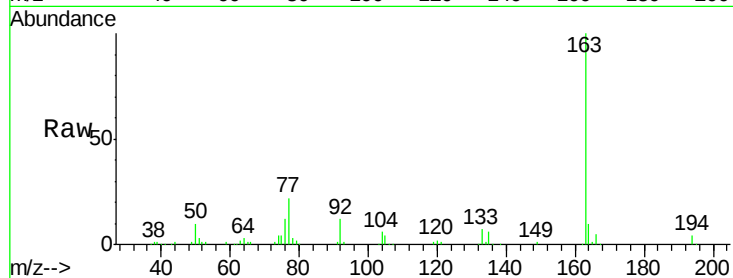
BNA_M

ClientSampleId :

BDJ61

Tgt Ion:163 Resp: 231517

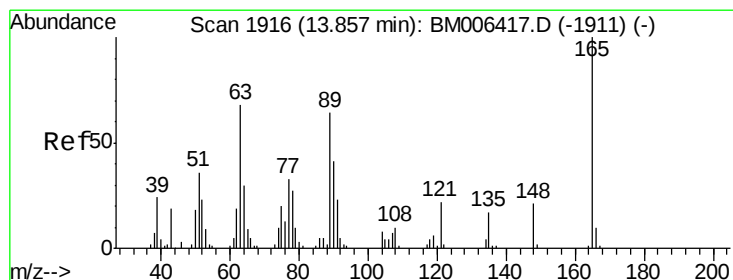
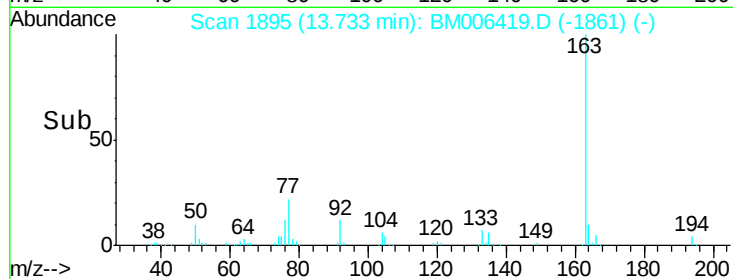
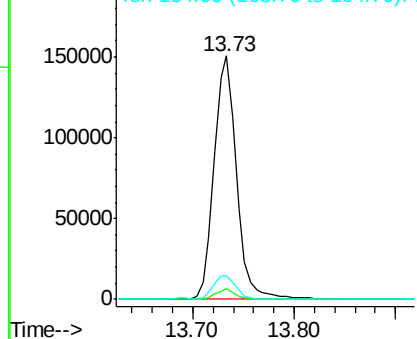
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.6	7.8	11.8



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: 0.59 ng/ul

RT: 13.73 min Scan# 1895

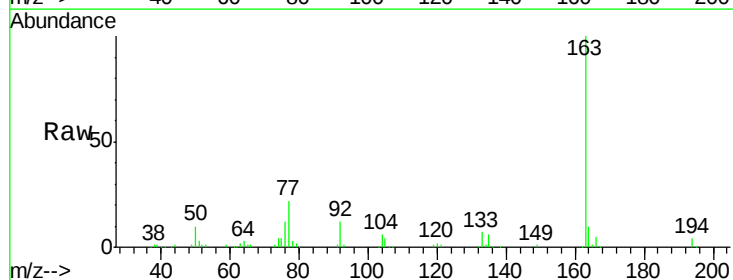
Delta R.T. -0.12 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Tgt Ion:165 Resp: 2533

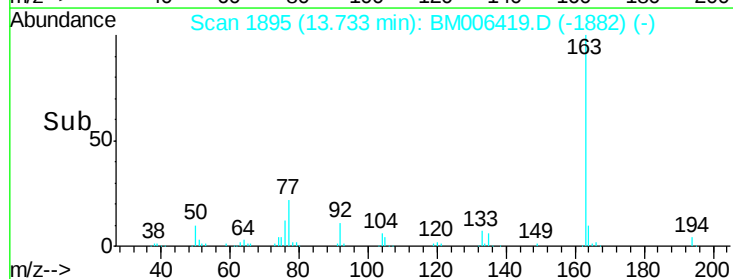
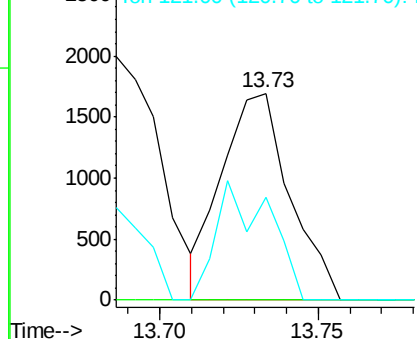
Ion	Ratio	Lower	Upper
165	100		
89	0.0	52.1	78.1#
121	49.7	17.3	25.9#

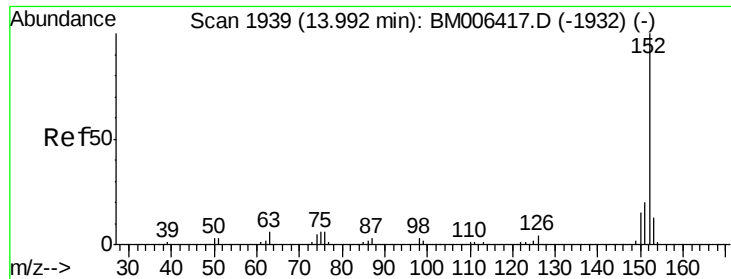


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.99 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

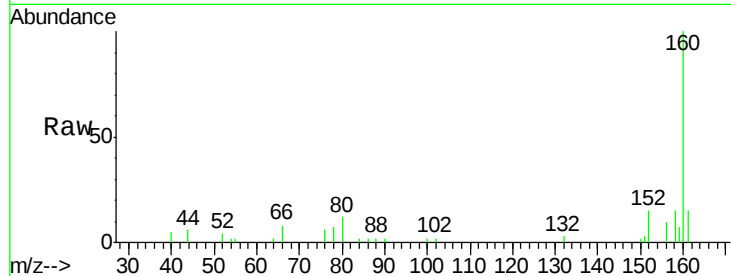
Tgt Ion:152 Resp: 3422

Ion Ratio Lower Upper

152 100

151 17.6 15.6 23.4

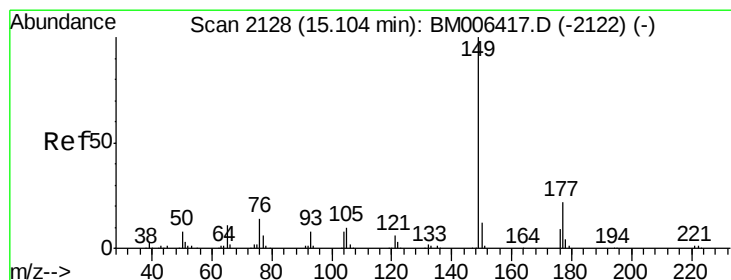
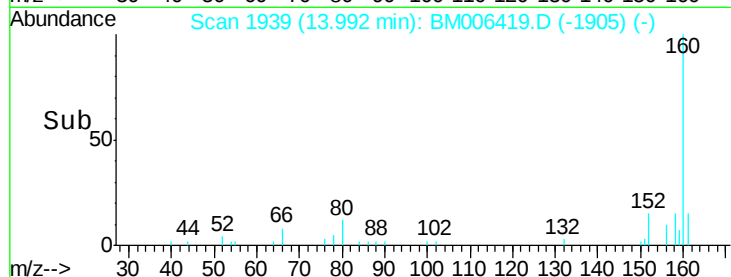
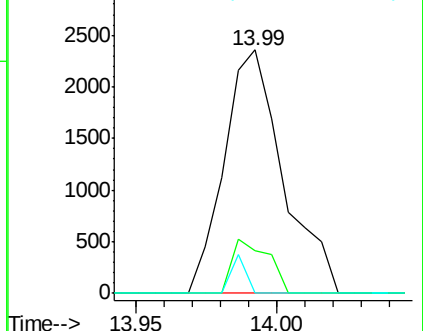
153 0.0 10.3 15.5#



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



#56

Diethylphthalate

Concen: 0.04 ng/ul

RT: 15.10 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

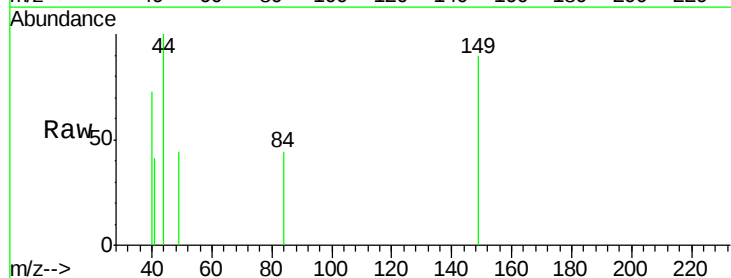
Tgt Ion:149 Resp: 1030

Ion Ratio Lower Upper

149 100

177 0.0 17.7 26.5#

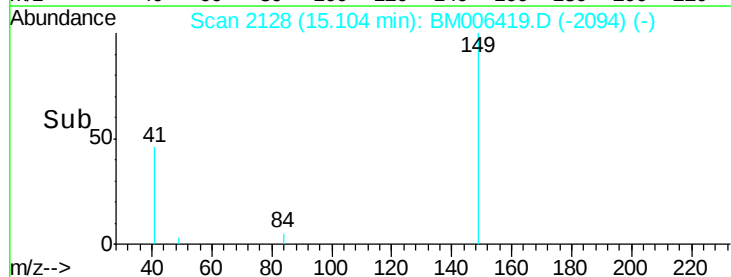
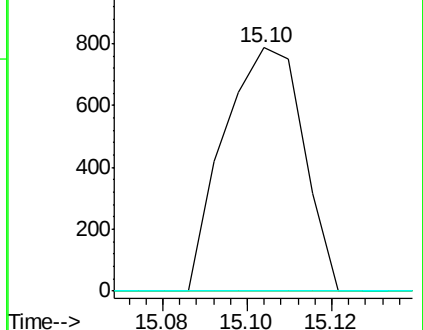
150 0.0 9.8 14.8#

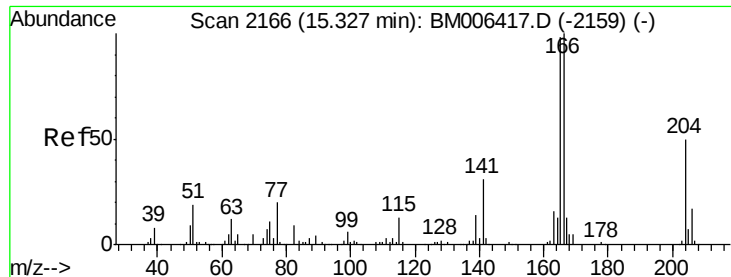


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 0.03 ng/ul

RT: 15.28 min Scan# 2158

Delta R.T. -0.05 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

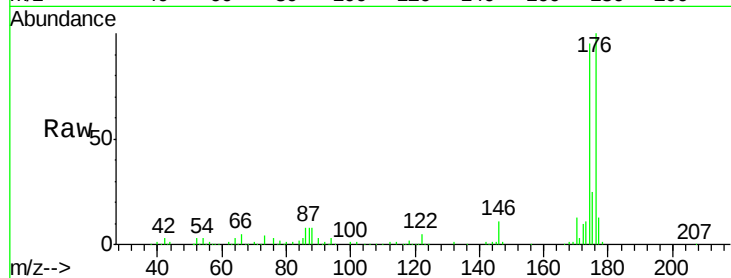
Tgt Ion:166 Resp: 577

Ion Ratio Lower Upper

166 100

165 0.0 77.5 116.3#

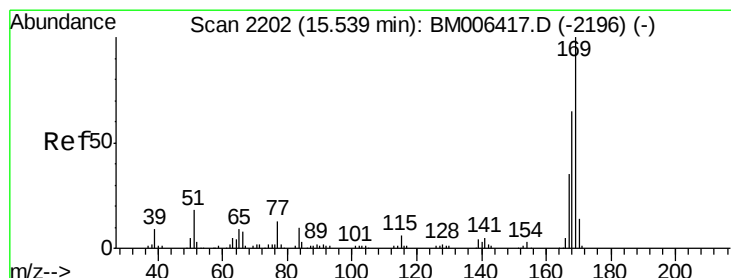
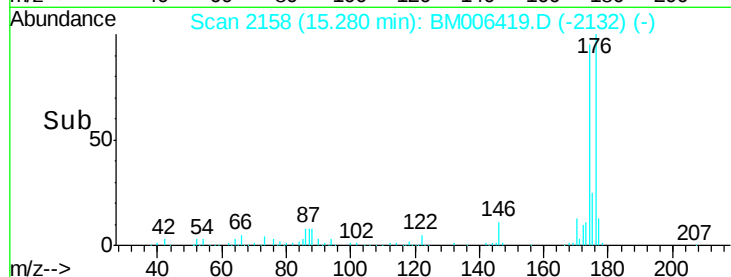
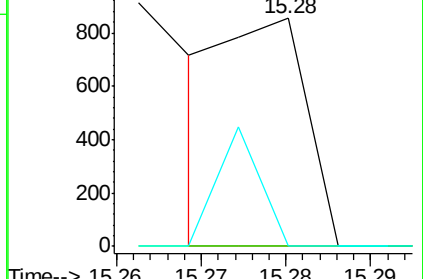
167 0.0 10.8 16.2#



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: 0.02 ng/ul

RT: 15.40 min Scan# 2179

Delta R.T. -0.14 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

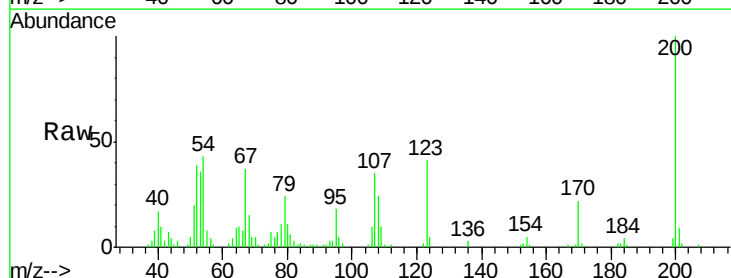
Tgt Ion:169 Resp: 459

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

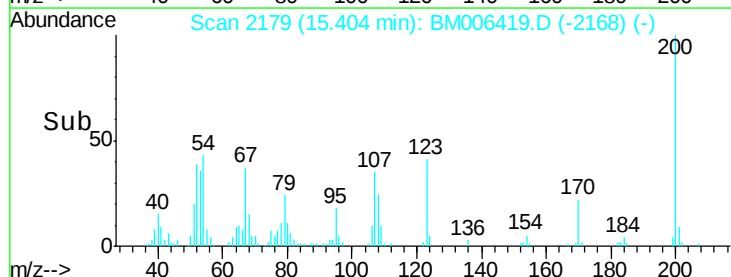
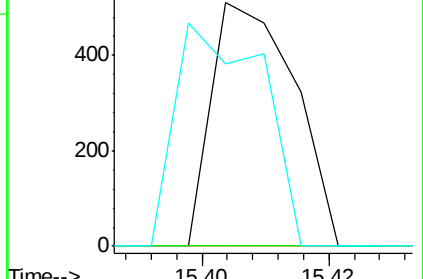
167 74.8 28.7 43.1#

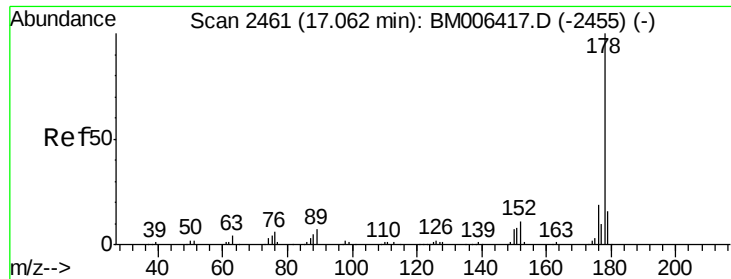


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

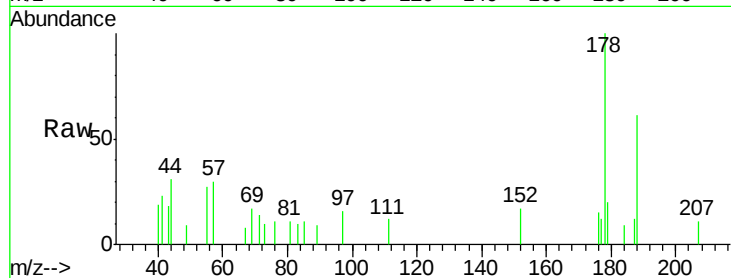
Tgt Ion:178 Resp: 5800

Ion Ratio Lower Upper

178 100

179 20.4 11.9 17.9#

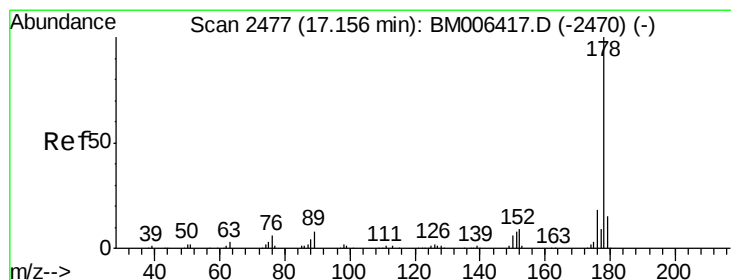
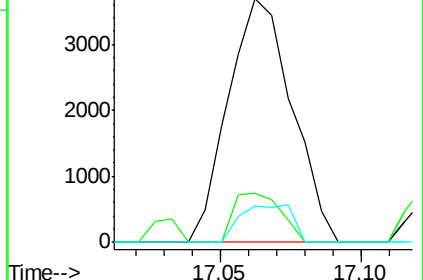
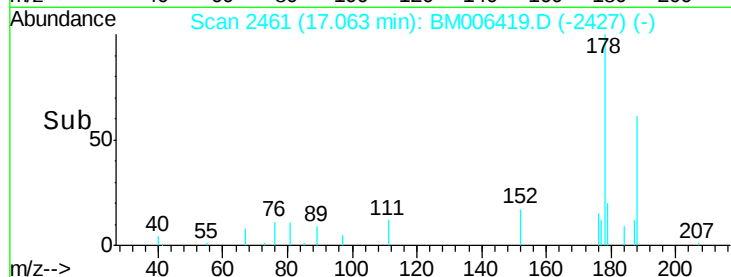
176 15.0 15.2 22.8#



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



#71

Anthracene

Concen: 0.11 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

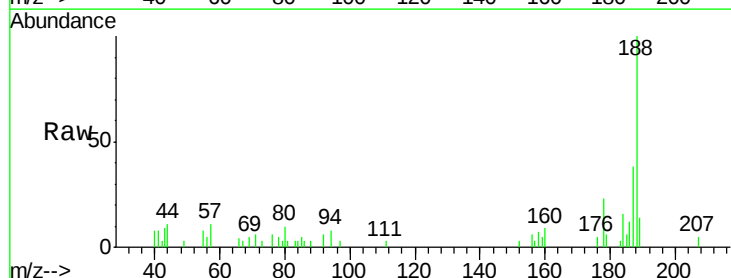
Tgt Ion:178 Resp: 4097

Ion Ratio Lower Upper

178 100

179 27.6 12.0 18.0#

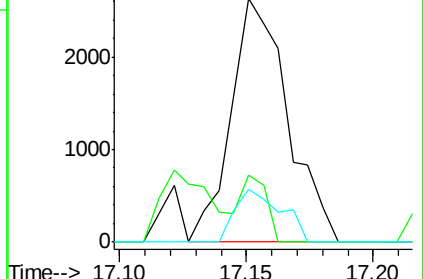
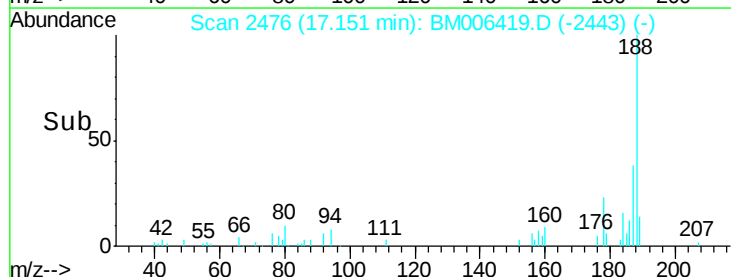
176 21.9 15.0 22.6

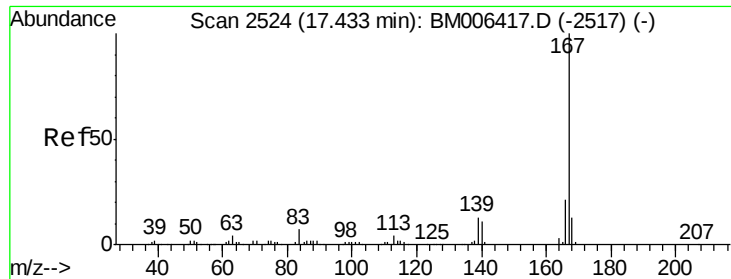


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

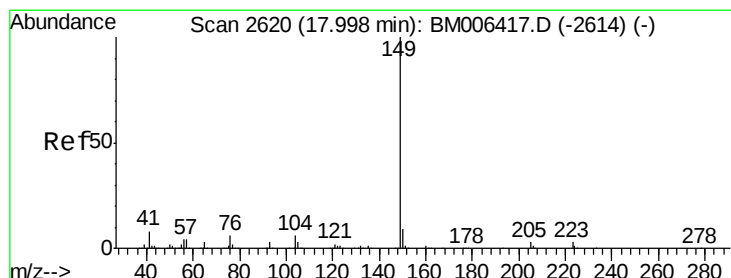
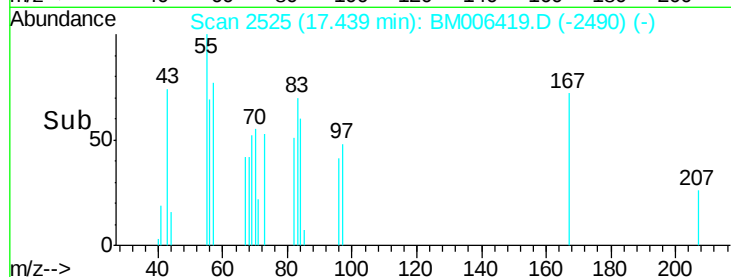
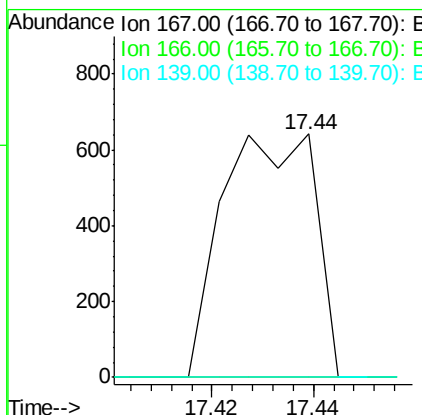
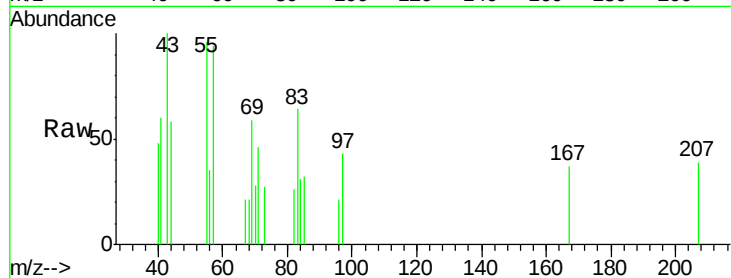




#72
 Carbazole
 Concen: 0.03 ng/ul
 RT: 17.44 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BM006419.D
 Acq: 14 Jul 2016 19:54

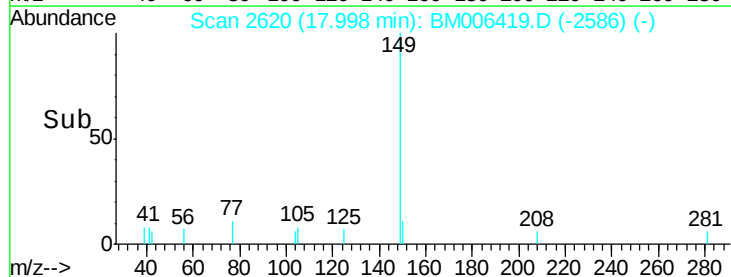
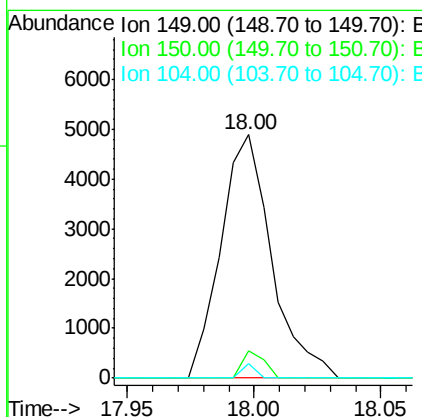
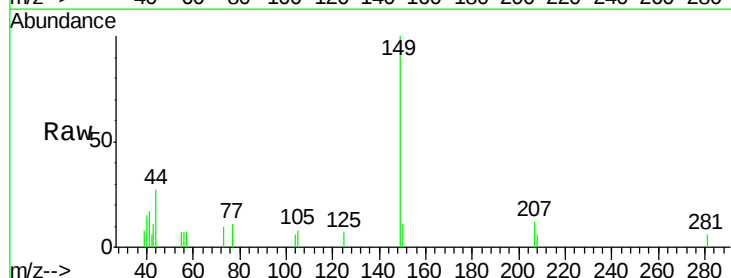
Instrument :
 BNA_M
 ClientSampleID :
 BDJ61

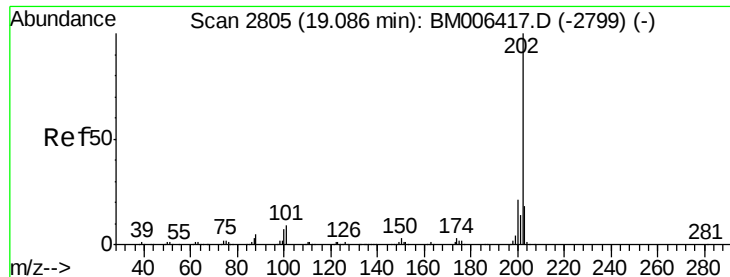
Tgt Ion:167 Resp: 809
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.0 25.6#
 139 0.0 10.2 15.4#



#73
 Di-n-butylphthalate
 Concen: 0.16 ng/ul
 RT: 18.00 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: BM006419.D
 Acq: 14 Jul 2016 19:54

Tgt Ion:149 Resp: 6810
 Ion Ratio Lower Upper
 149 100
 150 11.1 7.1 10.7#
 104 6.1 4.4 6.6





#74

Fluoranthene

Concen: 0.63 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

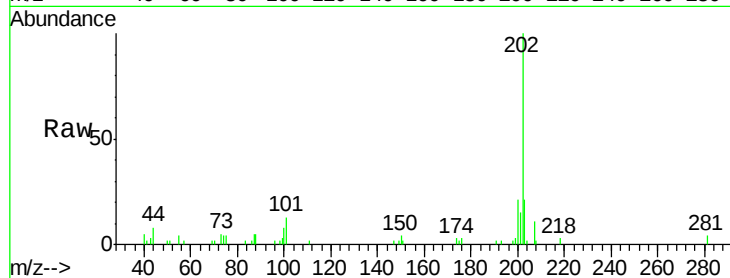
Tgt Ion:202 Resp: 26175

Ion Ratio Lower Upper

202 100

101 13.0 8.6 12.8#

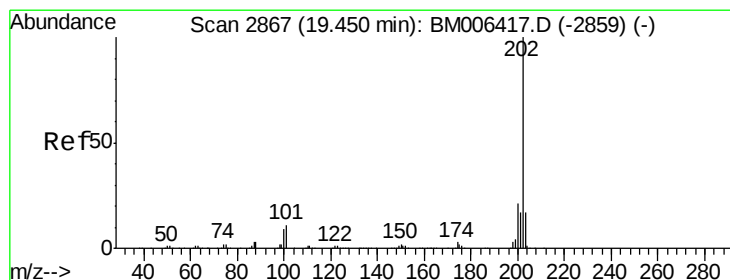
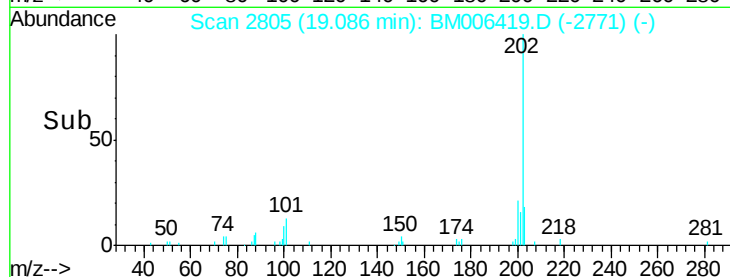
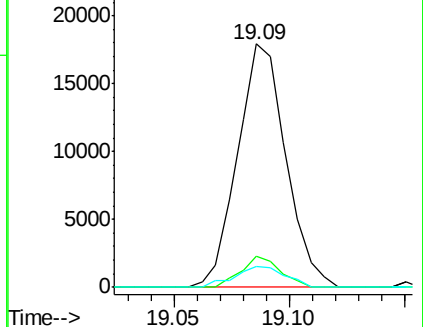
100 8.4 6.4 9.6



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: 0.69 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

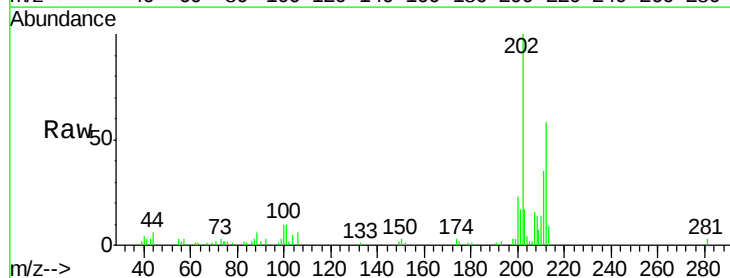
Tgt Ion:202 Resp: 34473

Ion Ratio Lower Upper

202 100

101 10.2 10.0 15.0

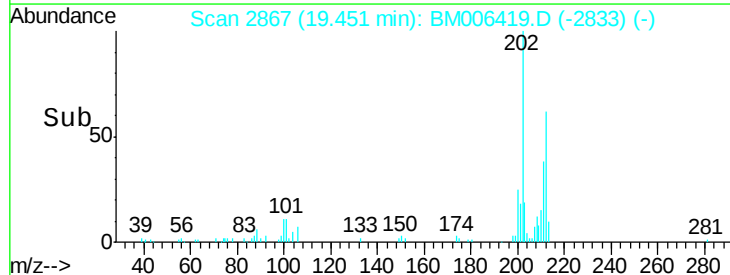
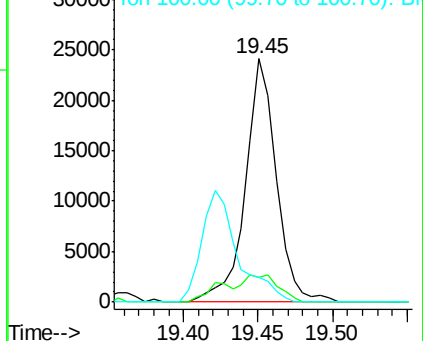
100 10.3 7.9 11.9

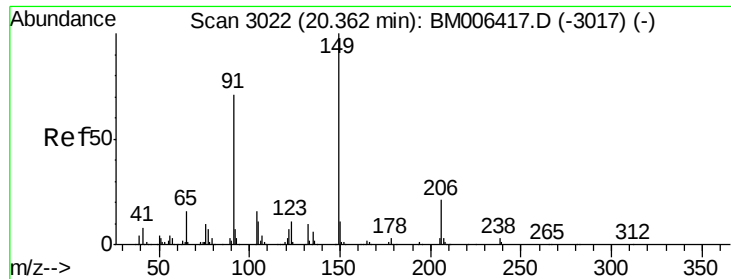


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

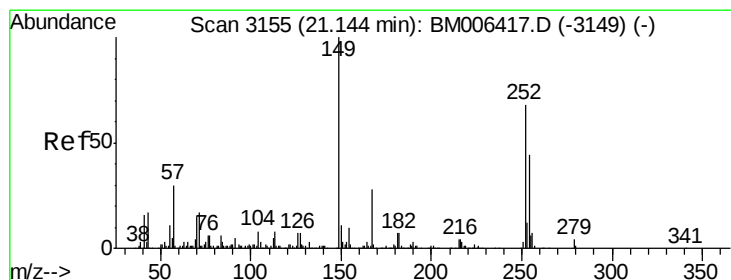
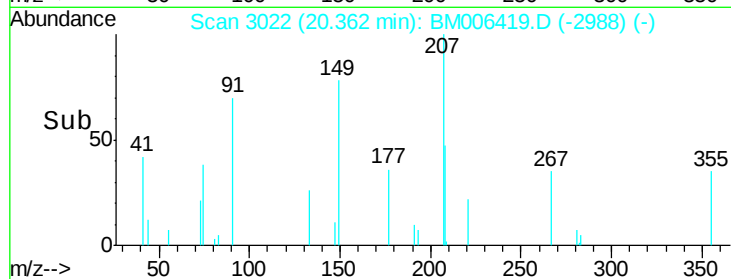
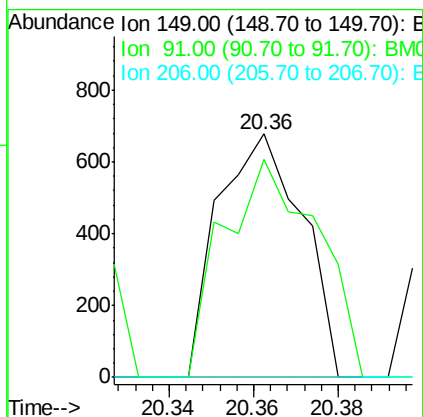
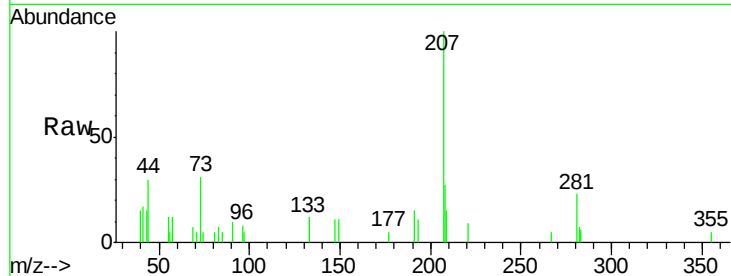




#78
Butylbenzylphthalate
Concen: 0.04 ng/ul
RT: 20.36 min Scan# 3022
Delta R.T. 0.00 min
Lab File: BM006419.D
Acq: 14 Jul 2016 19:54

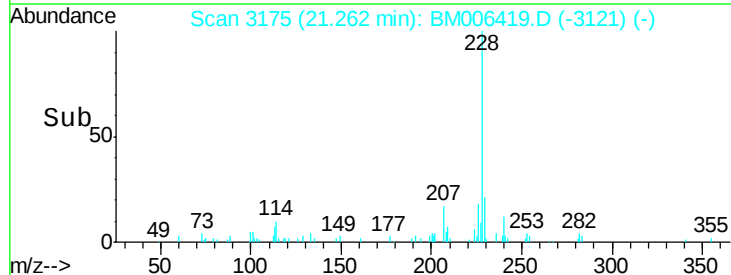
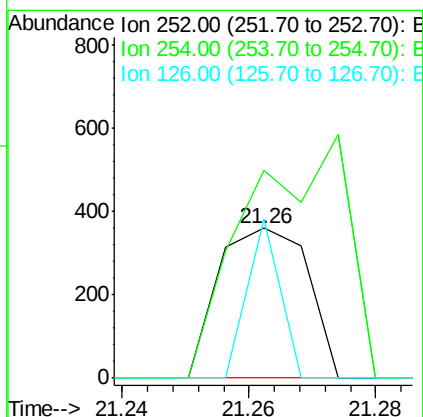
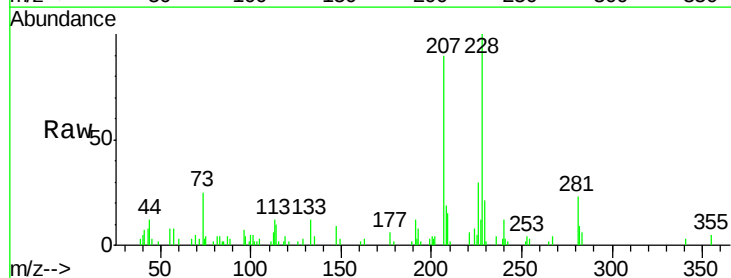
Instrument :
BNA_M
ClientSampleId :
BDJ61

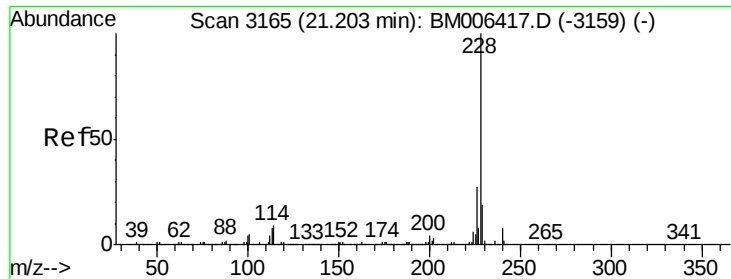
Tgt Ion:149 Resp: 938
Ion Ratio Lower Upper
149 100
91 89.7 60.9 91.3
206 0.0 17.2 25.8#



#79
3,3'-Dichlorobenzidine
Concen: 0.02 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.12 min
Lab File: BM006419.D
Acq: 14 Jul 2016 19:54

Tgt Ion:252 Resp: 349
Ion Ratio Lower Upper
252 100
254 138.4 50.8 76.2#
126 106.1 9.0 13.4#





#80

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.05 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

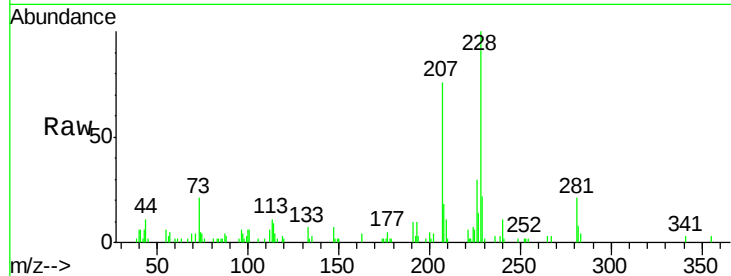
Tgt Ion:228 Resp: 27527

Ion Ratio Lower Upper

228 100

229 22.2 15.6 23.4

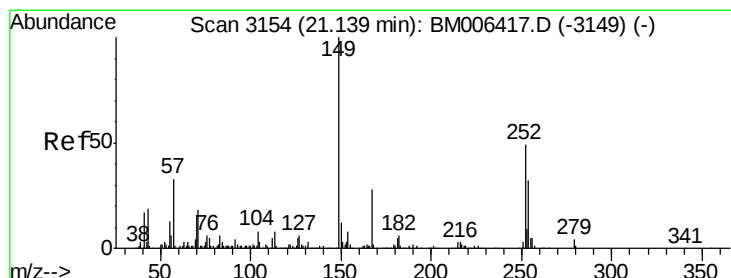
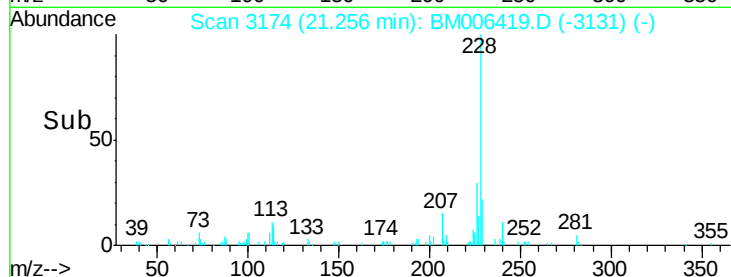
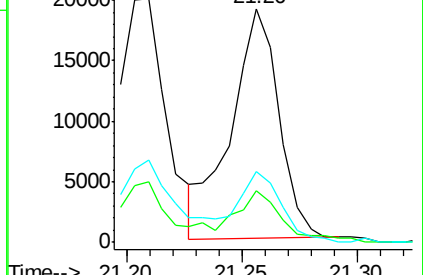
226 30.3 21.4 32.2



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# 3155

Delta R.T. 0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

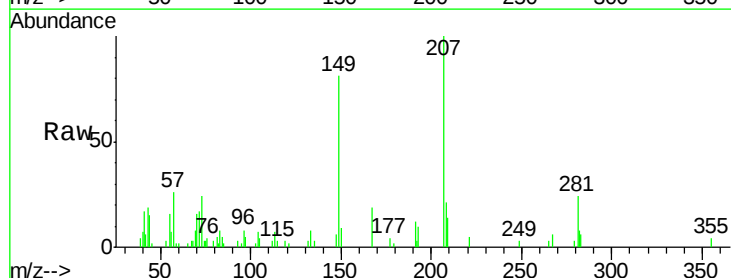
Tgt Ion:149 Resp: 14704

Ion Ratio Lower Upper

149 100

167 24.1 22.2 33.2

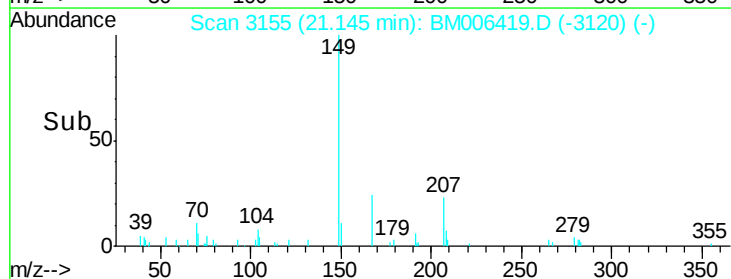
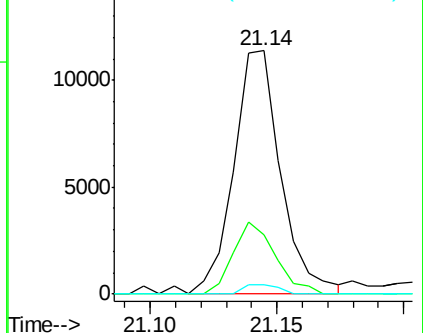
279 4.0 3.1 4.7

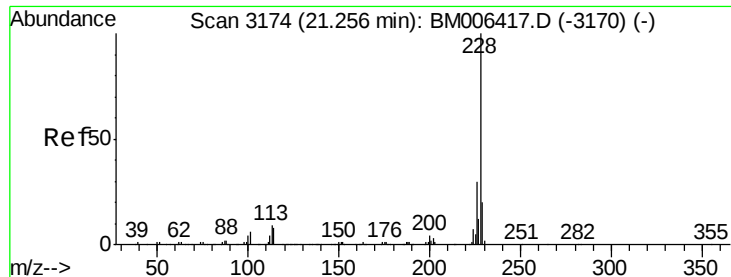


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.57 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

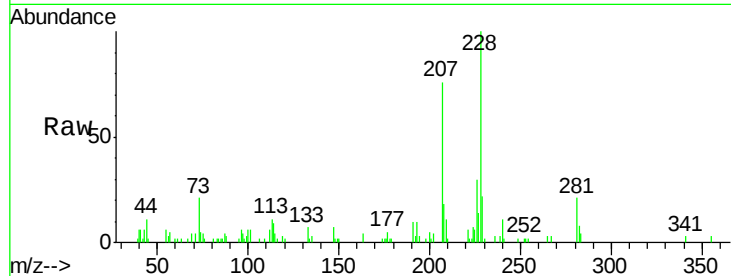
Tgt Ion:228 Resp: 27527

Ion Ratio Lower Upper

228 100

226 30.3 23.3 34.9

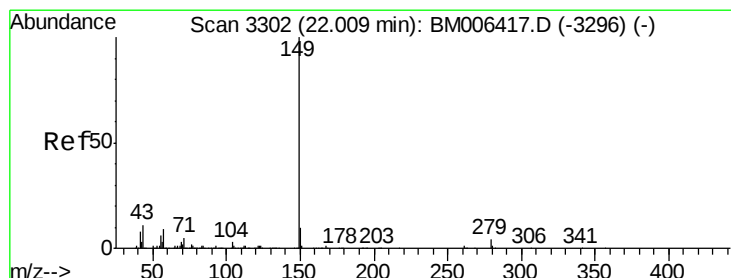
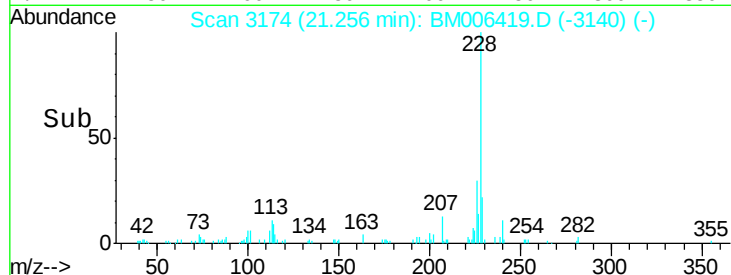
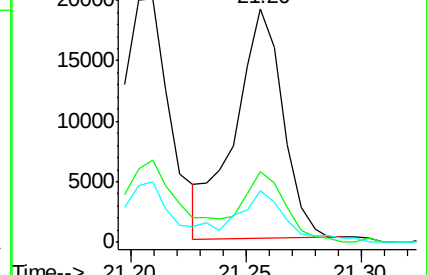
229 22.2 15.8 23.8



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: 0.02 ng/ul

RT: 22.02 min Scan# 3304

Delta R.T. 0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

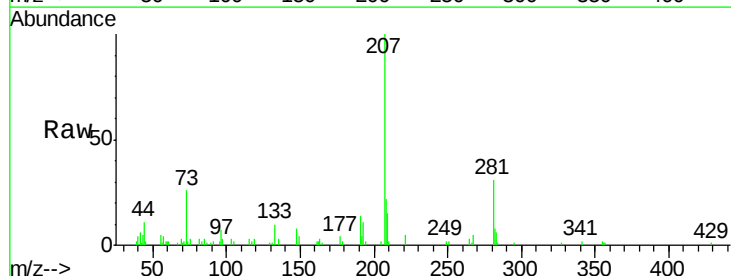
Tgt Ion:149 Resp: 1154

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

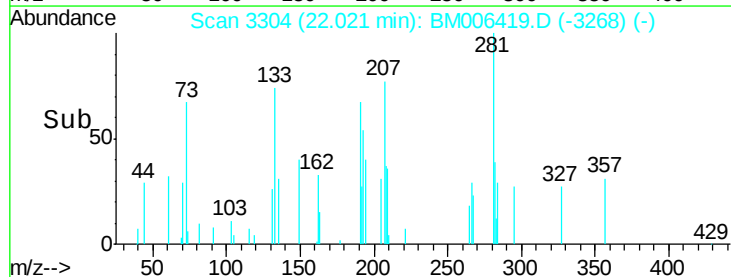
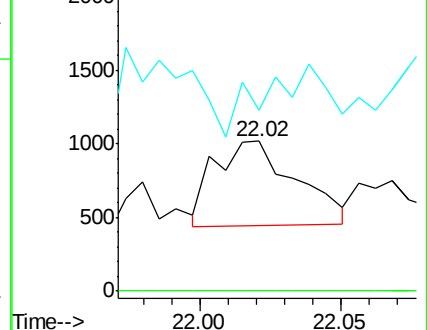
43 121.0 9.1 13.7#

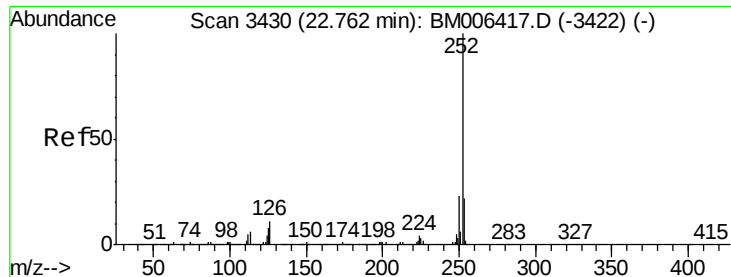


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#85

Benzo(b)fluoranthene

Concen: 0.67 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

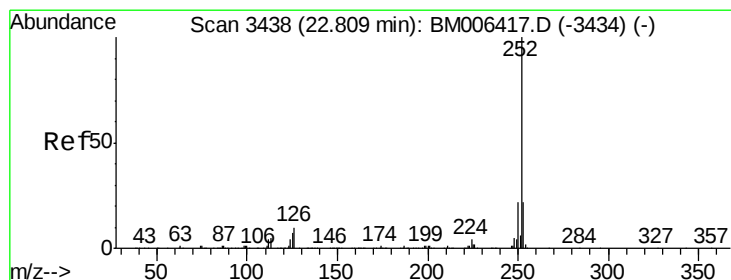
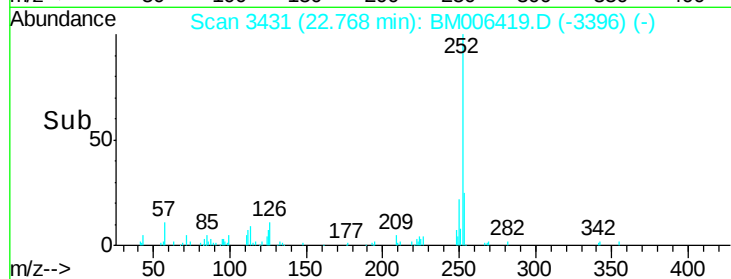
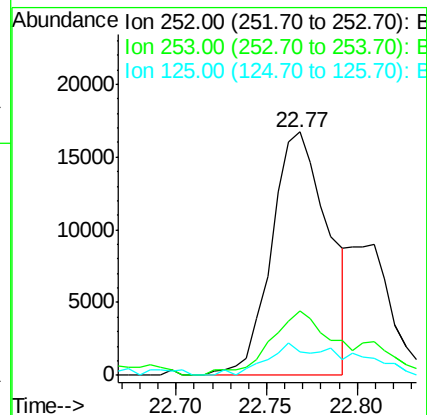
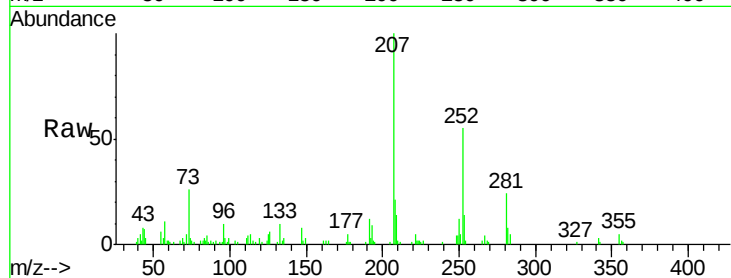
Tgt Ion:252 Resp: 36431

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.2#

125 9.4 6.7 10.1



#86

Benzo(k)fluoranthene

Concen: 0.71 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. -0.04 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

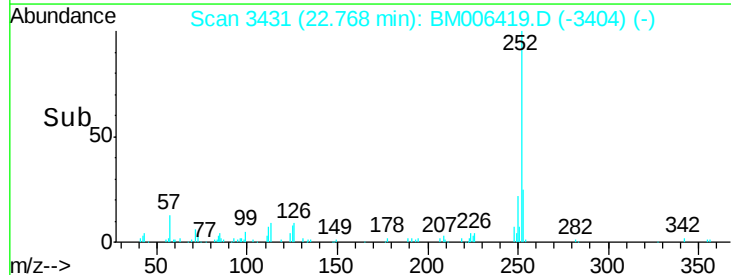
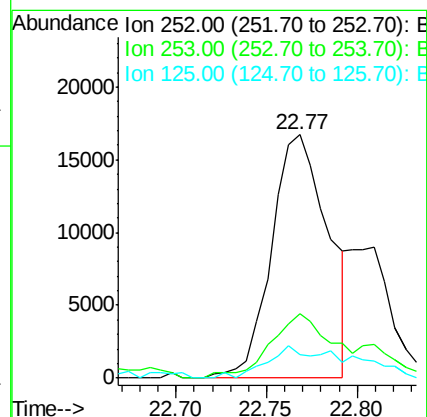
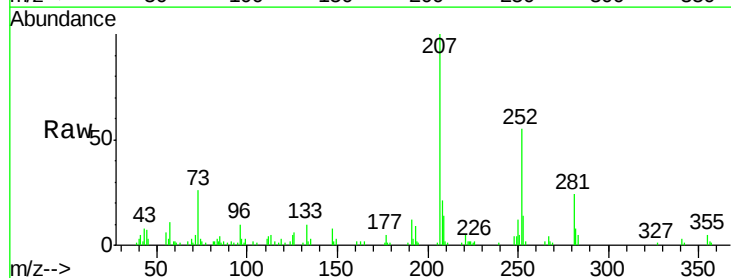
Tgt Ion:252 Resp: 36431

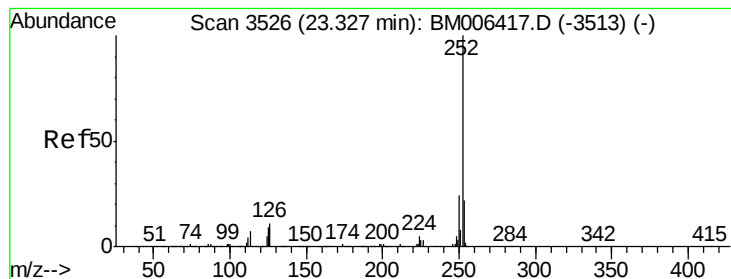
Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 9.4 7.0 10.4





#88

Benzo(a)pyrene

Concen: 0.60 ng/ul

RT: 23.33 min Scan# 3526

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

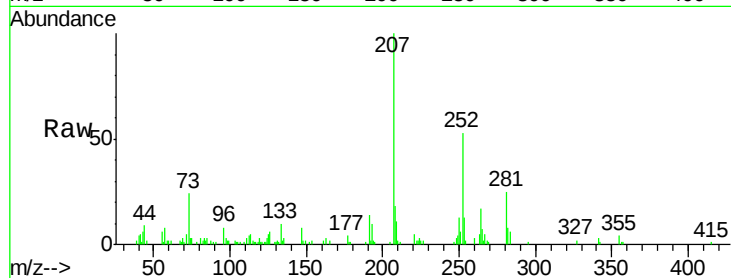
Tgt Ion:252 Resp: 31211

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

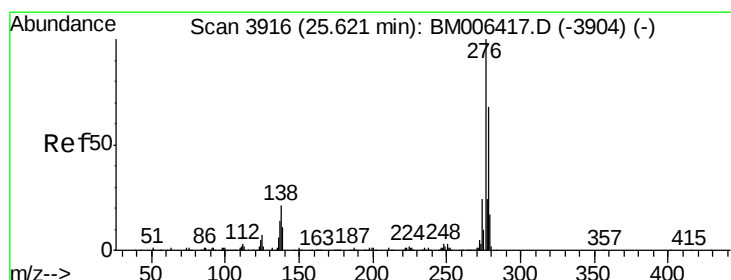
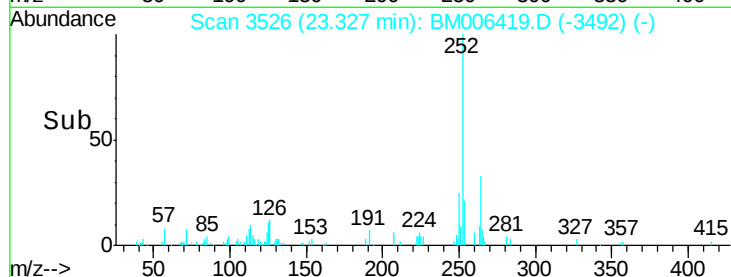
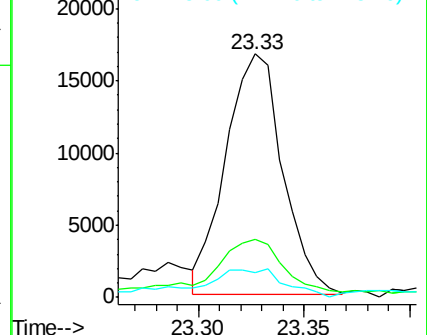
125 10.2 7.6 11.4



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: 0.27 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

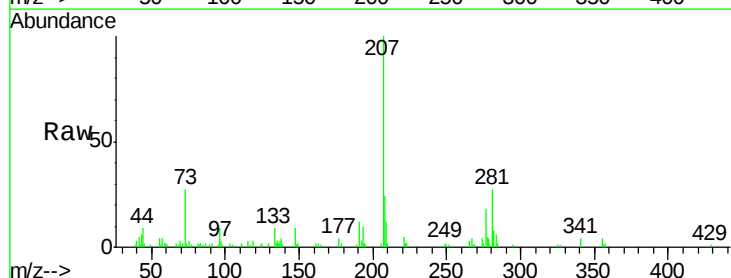
Tgt Ion:276 Resp: 16530

Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.6

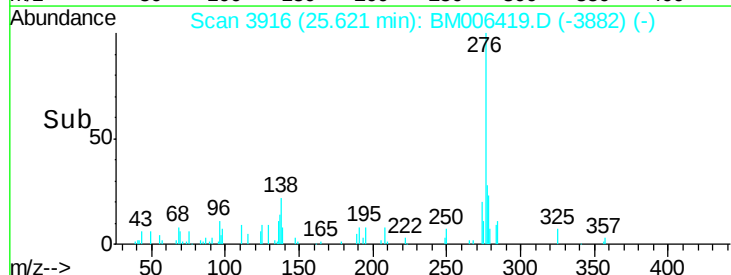
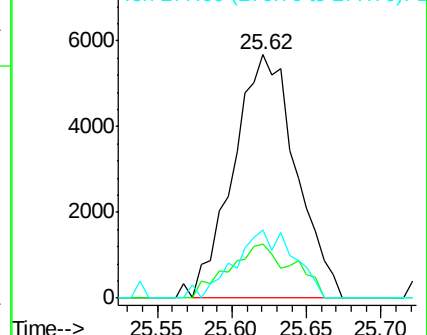
277 28.0 20.1 30.1

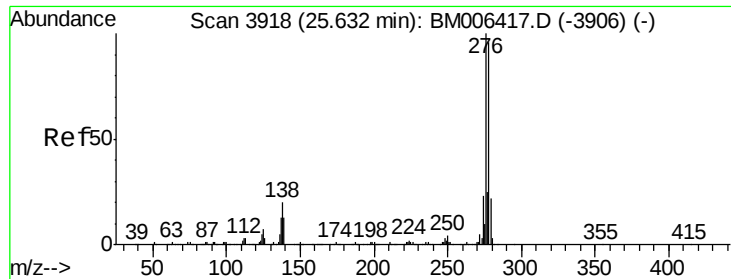


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

Instrument :

BNA_M

ClientSampleId :

BDJ61

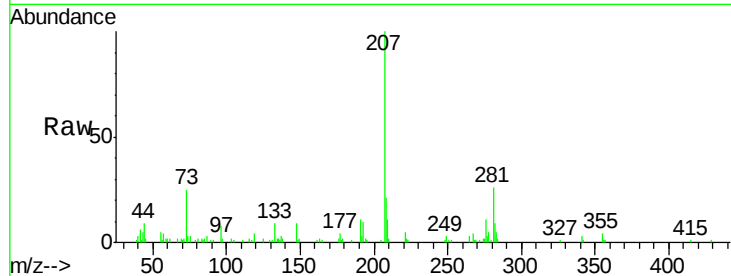
Tgt Ion: 278 Resp: 2055

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

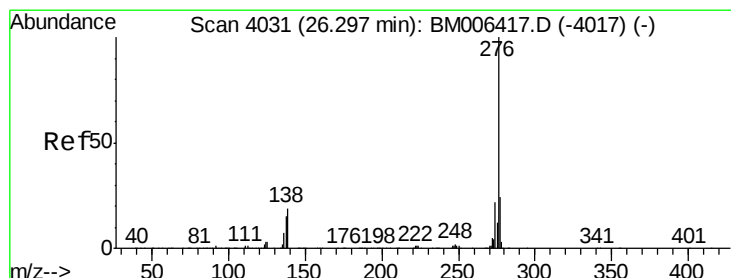
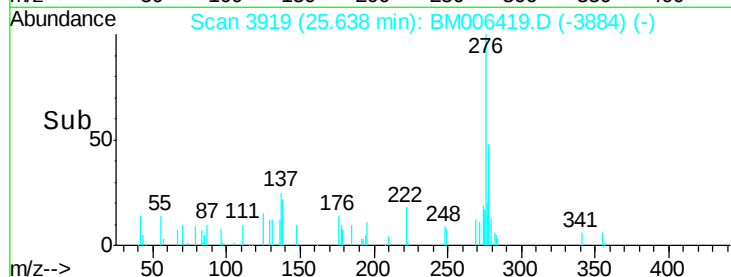
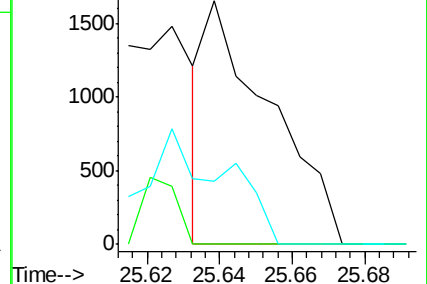
279 26.2 19.2 28.8



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: 0.24 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. 0.00 min

Lab File: BM006419.D

Acq: 14 Jul 2016 19:54

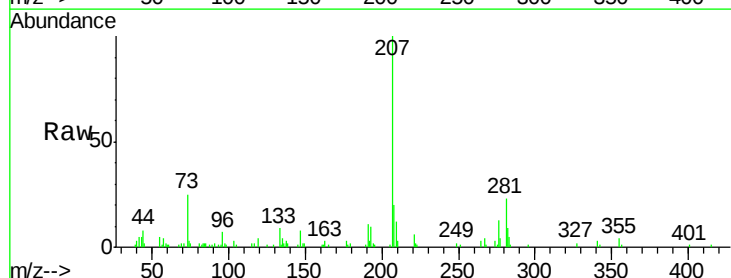
Tgt Ion: 276 Resp: 13009

Ion Ratio Lower Upper

276 100

138 28.3 15.0 22.4#

277 28.9 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

