

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020415\
 Data File : BM000420.D
 Acq On : 04 Feb 2015 16:13
 Operator : TP/IZ
 Sample : G1147-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1G07

Quant Time: Feb 05 08:00:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 05 07:40:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	159920	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	706468	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	470832	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1155197	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	1157570	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	921493	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	32955	12.51	ng/uL	0.00
5) Phenol-d5	6.92	99	873416	75.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	537664	78.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	728859	77.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	783539	79.21	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	385273	87.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	456650	90.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	879898	78.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	1152494	111.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	3019984	86.53	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	3570439	79.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	485135	82.33	ng/ul	0.00
57) Fluorene-d10	15.39	176	2683919	78.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	519595	82.30	ng/ul	0.00
70) Anthracene-d10	17.24	188	4332272	81.48	ng/ul	0.00
76) Pyrene-d10	19.54	212	4825409	82.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	3543233	83.65	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.95	94	252619	21.55 ng/ul	92
8) Bis(2-Chloroethyl)ether	7.18	93	10353	1.15 ng/ul	98
10) 2-Chlorophenol	7.32	128	207554	21.56 ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.28	45	586281	31.07 ng/ul	99
17) Hexachloroethane	8.82	117	93790	21.31 ng/ul	100
21) Isophorone	9.63	82	55516	2.45 ng/ul#	70
27) 2,4-Dichlorophenol	10.19	162	247746	22.66 ng/ul	92
28) Naphthalene	10.59	128	770760	21.89 ng/ul	98
31) Hexachlorobutadiene	10.87	225	256903	30.21 ng/ul	97
45) 2,6-Dinitrotoluene	13.98	165	233449	34.57 ng/ul	91
49) Acenaphthene	14.46	153	667001	21.92 ng/ul	100
54) 2,4-Dinitrotoluene	14.76	165	357092	34.07 ng/ul	97
56) Diethylphthalate	15.22	149	1116382	28.00 ng/ul	100
58) Fluorene	15.45	166	823856	21.83 ng/ul	97
60) 4-Nitroaniline	15.45	138	11757	1.61 ng/ul#	1
66) Hexachlorobenzene	16.45	284	353972	26.02 ng/ul	98
68) Pentachlorophenol	16.80	266	353689	46.40 ng/ul	99
71) Anthracene	17.28	178	1224368	19.44 ng/ul	99
77) Pyrene	19.57	202	1734823	22.65 ng/ul#	97
78) Butylbenzylphthalate	20.47	149	1413881	52.57 ng/ul	97
80) Benzo(a)anthracene	21.32	228	1487411	22.24 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.24	149	1546556	41.08 ng/ul	100
82) Chrysene	21.37	228	1470308	23.06 ng/ul	97

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BNA_M
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X1G07

Quant Time: Feb 05 08:00:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 05 07:40:45 2015
Response via : Initial Calibration

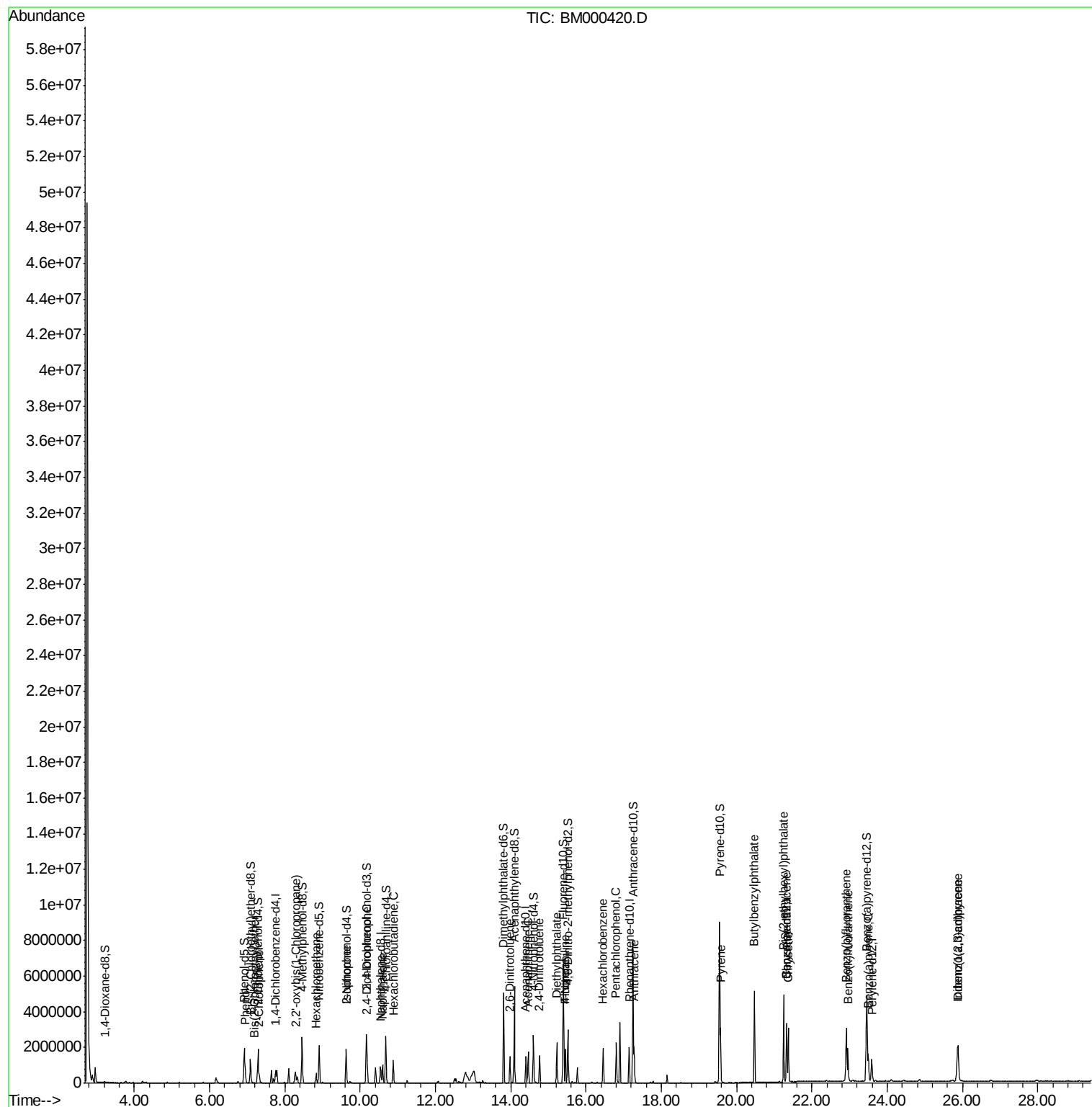
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	22.91	252	2209270	38.11	ng/ul	99
86) Benzo(k)fluoranthene	22.96	252	1249194	22.54	ng/ul	99
88) Benzo(a)pyrene	23.49	252	1103917	21.07	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.86	276	1628631	31.45	ng/ul	99
90) Dibenzo(a,h)anthracene	25.88	278	1192602	27.45	ng/ul	99

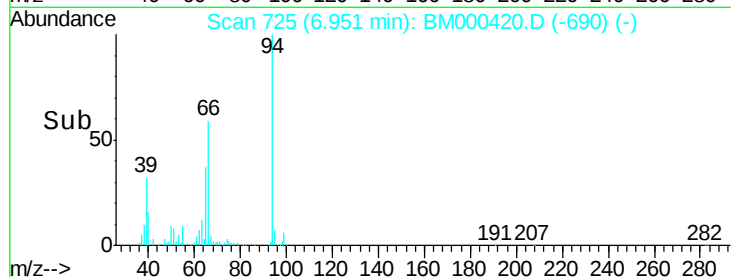
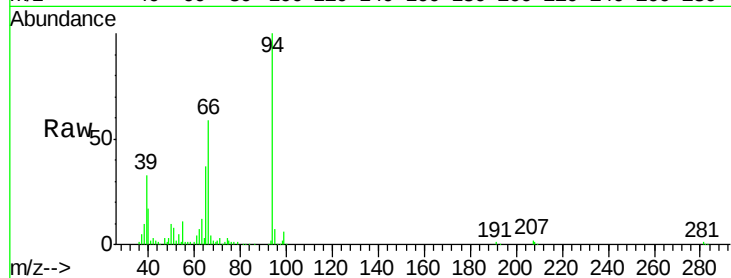
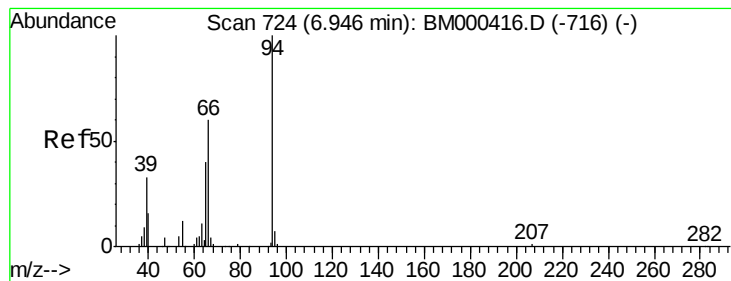
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
ClientSampleId :
X1G07

Quant Time: Feb 05 08:00:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 05 07:40:45 2015
Response via : Initial Calibration





#6

Phenol

Concen: 21.55 ng/ul

RT: 6.95 min Scan# 725

Delta R.T. 0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

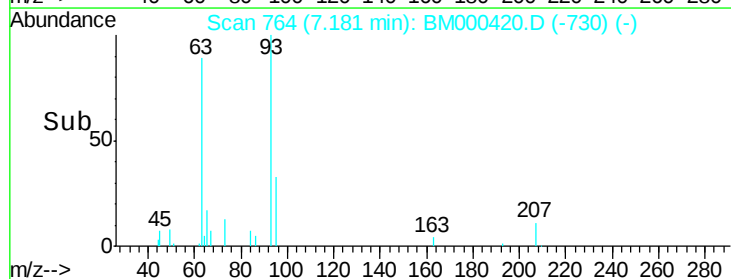
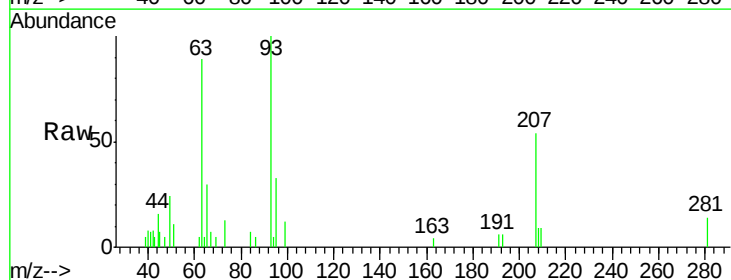
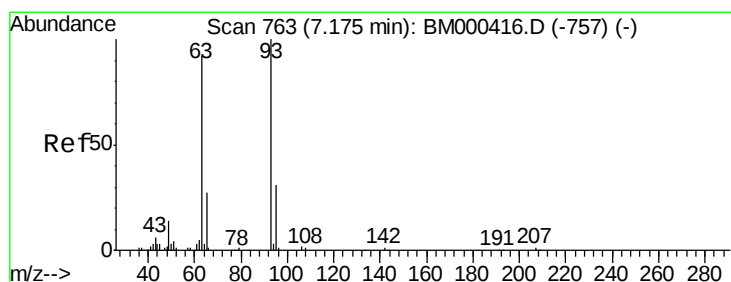
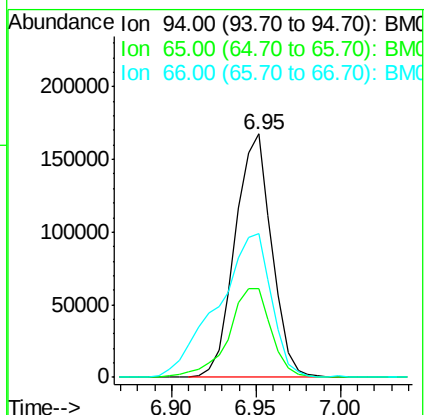
Tgt Ion: 94 Resp: 252619

Ion Ratio Lower Upper

94 100

65 36.5 32.2 48.4

66 58.9 53.4 80.0



#8

Bis(2-Chloroethyl)ether

Concen: 1.15 ng/ul

RT: 7.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

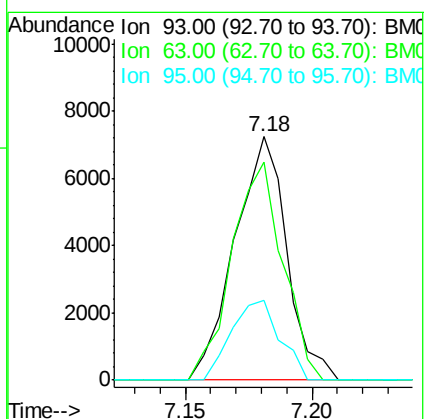
Tgt Ion: 93 Resp: 10353

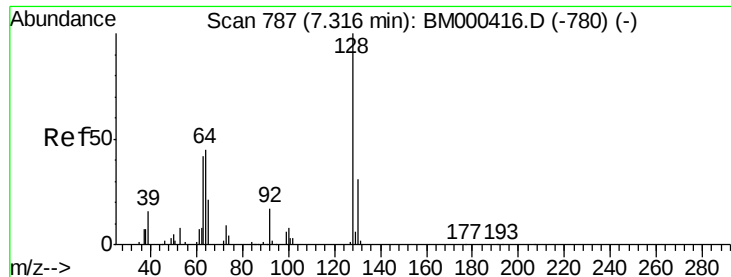
Ion Ratio Lower Upper

93 100

63 89.3 73.0 109.4

95 32.9 26.1 39.1

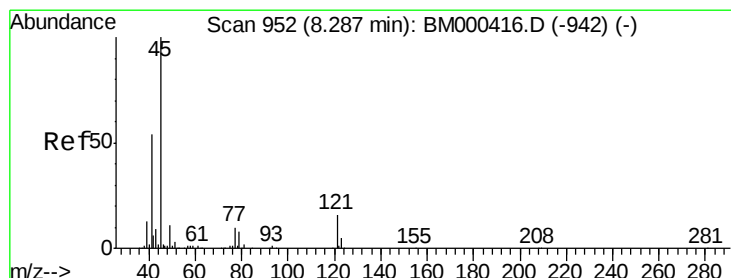
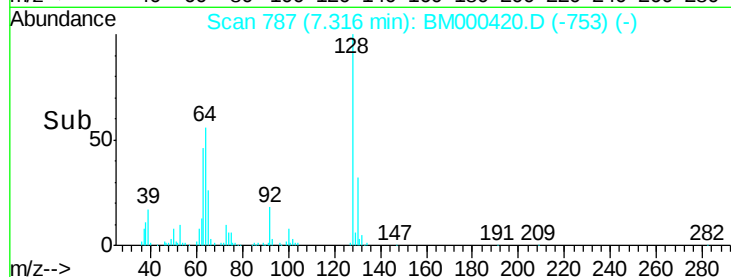
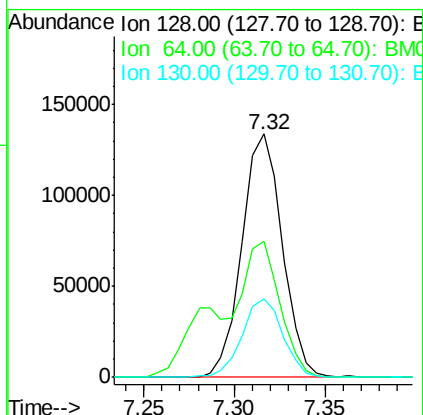
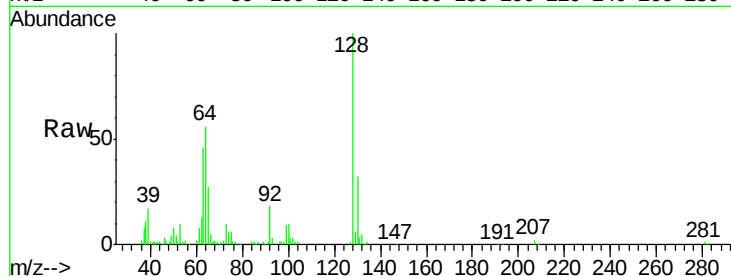




#10
 2-Chlorophenol
 Concen: 21.56 ng/ul
 RT: 7.32 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BM000420.D
 Acq: 04 Feb 2015 16:13

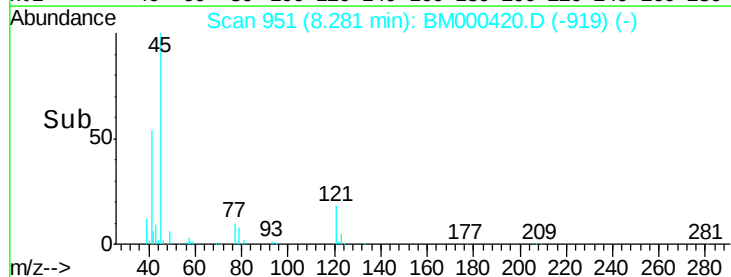
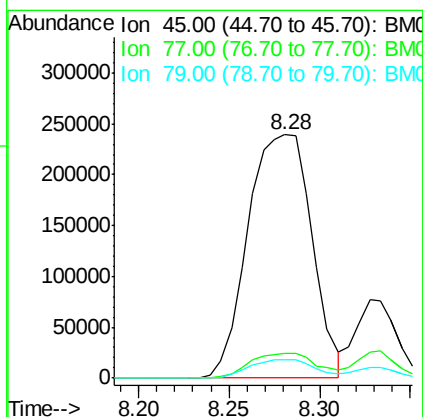
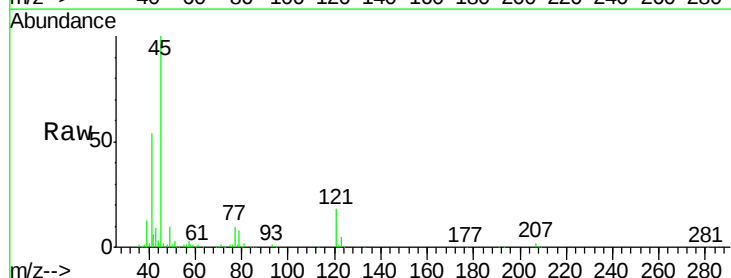
Instrument :
 BNA_M
 ClientSampleId :
 X1G07

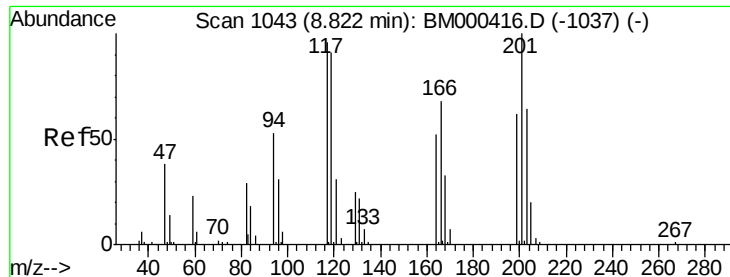
Tgt Ion: 128 Resp: 207554
 Ion Ratio Lower Upper
 128 100
 64 56.0 42.2 63.2
 130 32.2 25.8 38.6



#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 31.07 ng/ul
 RT: 8.28 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BM000420.D
 Acq: 04 Feb 2015 16:13

Tgt Ion: 45 Resp: 586281
 Ion Ratio Lower Upper
 45 100
 77 10.3 8.0 12.0
 79 7.8 6.1 9.1





#17

Hexachloroethane

Concen: 21.31 ng/ul

RT: 8.82 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

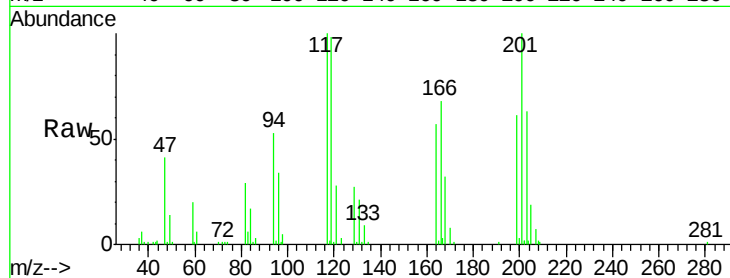
Tgt Ion: 117 Resp: 93790

Ion Ratio Lower Upper

117 100

201 99.5 79.1 118.7

199 60.7 48.7 73.1

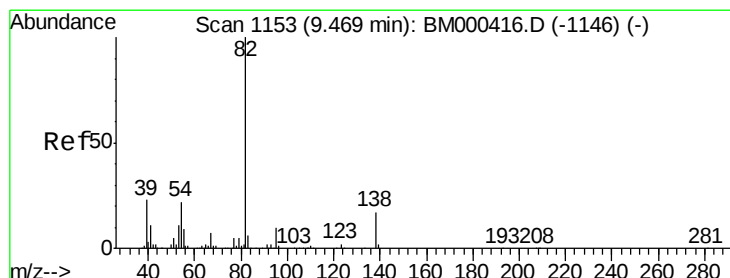
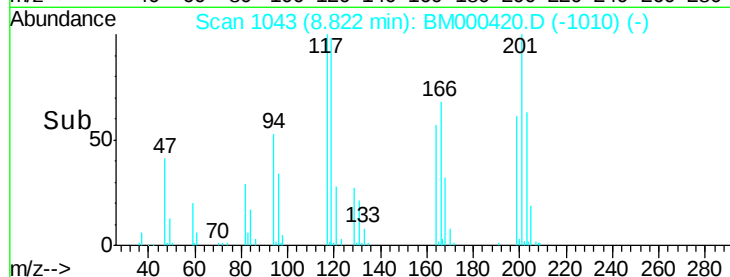
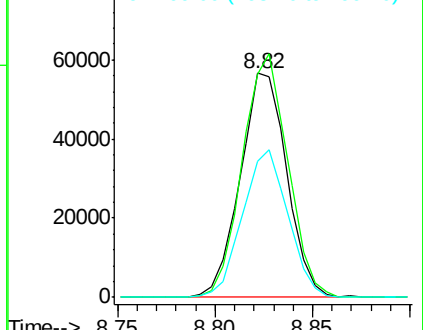


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 2.45 ng/ul

RT: 9.63 min Scan# 1180

Delta R.T. 0.16 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

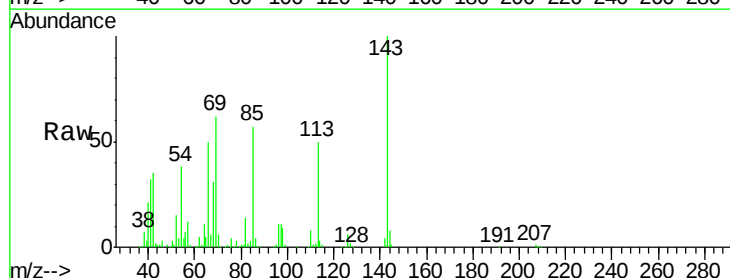
Tgt Ion: 82 Resp: 55516

Ion Ratio Lower Upper

82 100

95 5.6 8.6 12.8#

138 0.0 13.8 20.8#

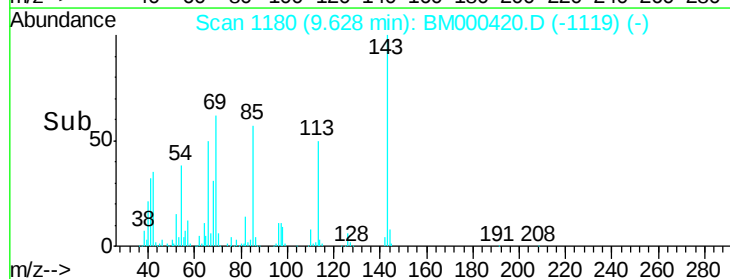
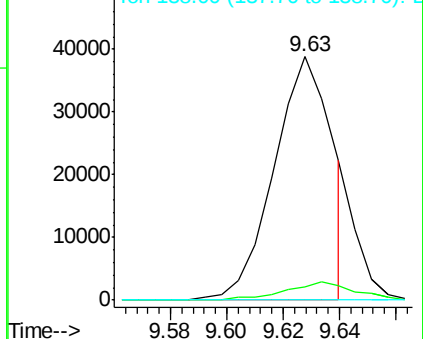


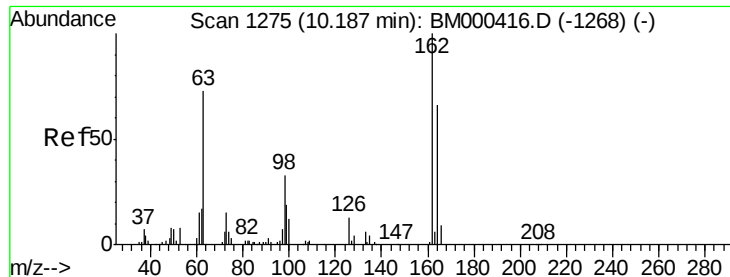
Abundance

Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

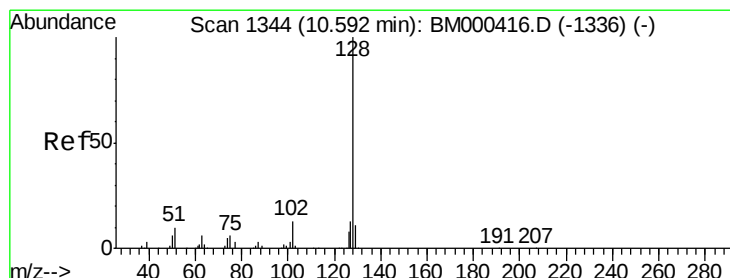
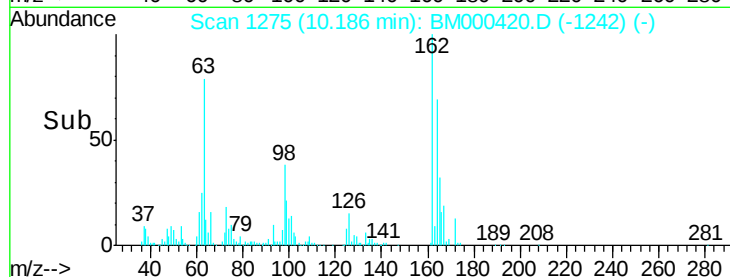
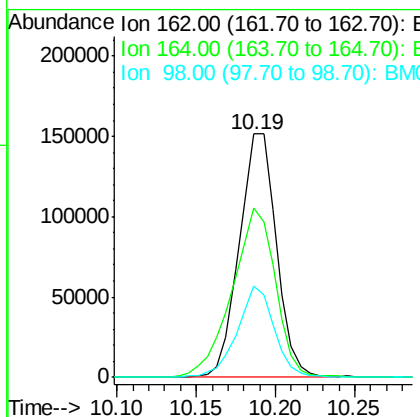
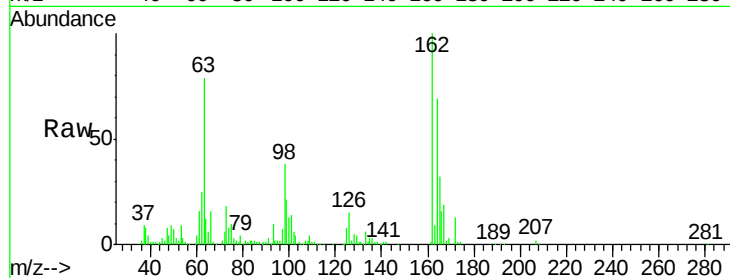




#27
2,4-Dichlorophenol
Concen: 22.66 ng/ul
RT: 10.19 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

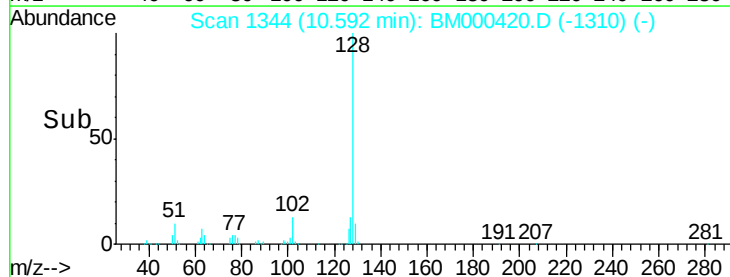
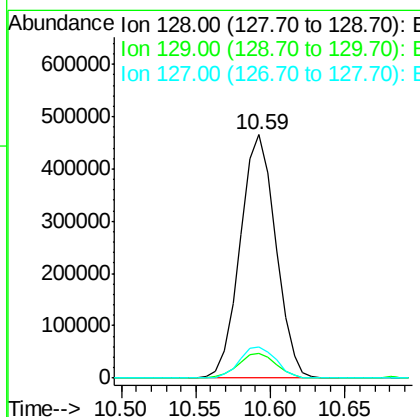
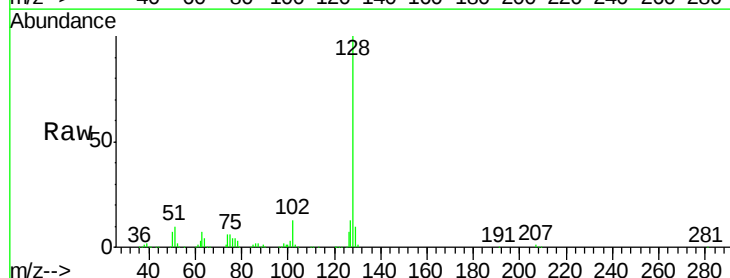
Instrument :
BNA_M
ClientSampleId :
X1G07

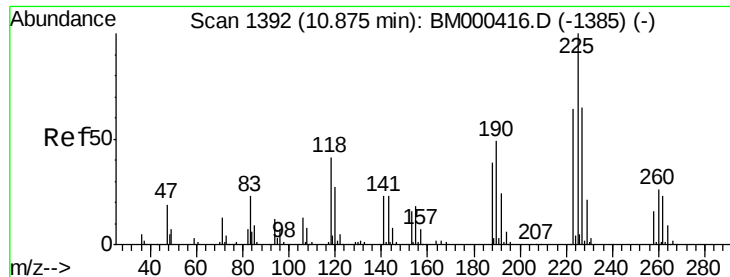
Tgt Ion	Ratio	Lower	Upper
162	100		
164	69.5	50.6	75.8
98	37.7	26.7	40.1



#28
Naphthalene
Concen: 21.89 ng/ul
RT: 10.59 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	12.6	11.0	16.4





#31

Hexachlorobutadiene

Concen: 30.21 ng/ul

RT: 10.87 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

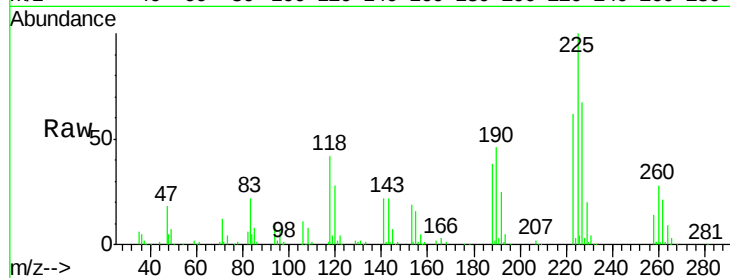
Tgt Ion:225 Resp: 256903

Ion Ratio Lower Upper

225 100

223 61.9 50.8 76.2

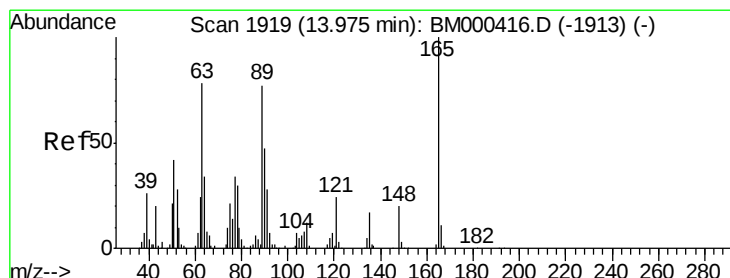
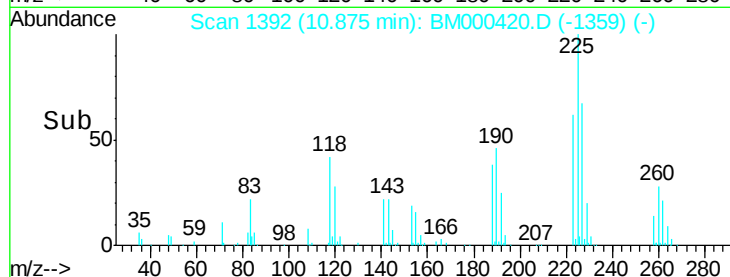
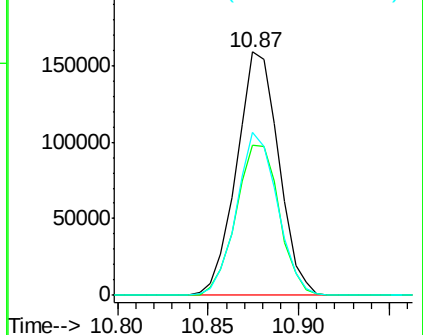
227 67.1 51.8 77.6



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#45

2,6-Dinitrotoluene

Concen: 34.57 ng/ul

RT: 13.98 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

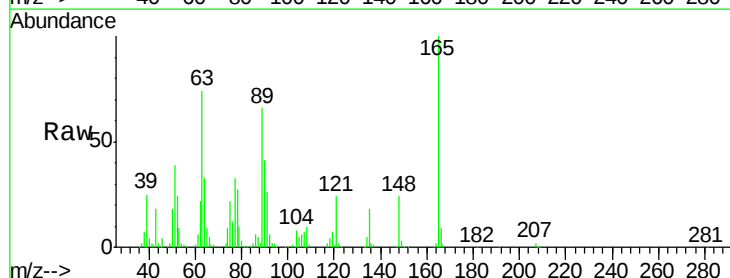
Tgt Ion:165 Resp: 233449

Ion Ratio Lower Upper

165 100

89 66.2 60.4 90.6

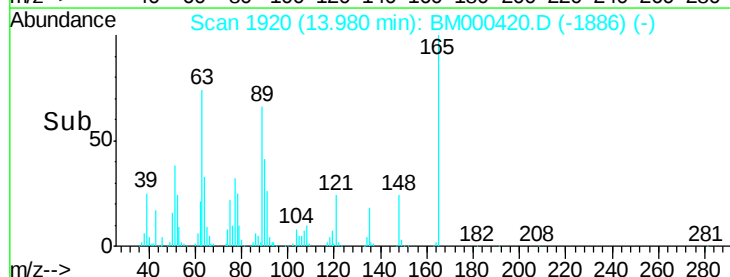
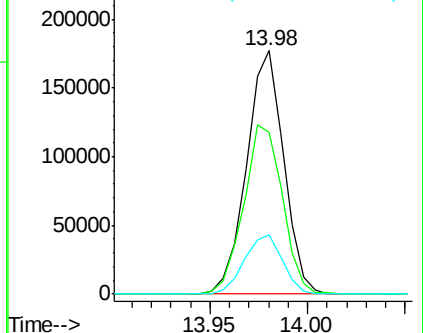
121 24.4 18.2 27.4

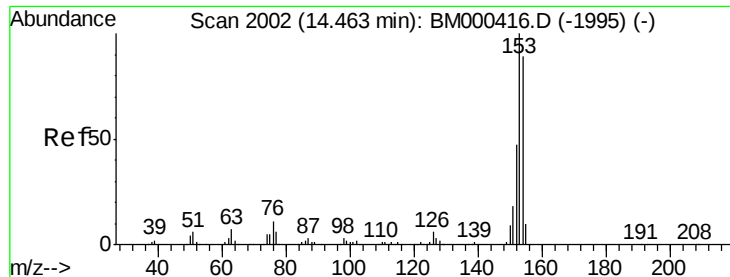


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 21.92 ng/ul

RT: 14.46 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

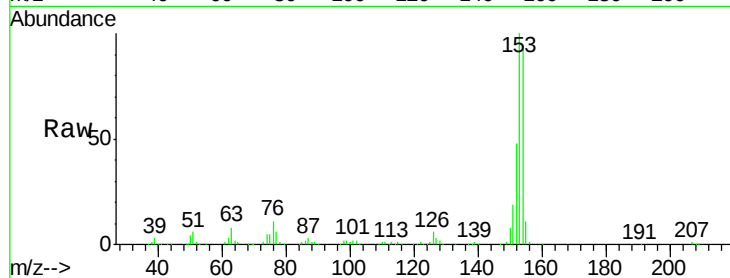
Tgt Ion:153 Resp: 667001

Ion Ratio Lower Upper

153 100

152 48.3 38.6 58.0

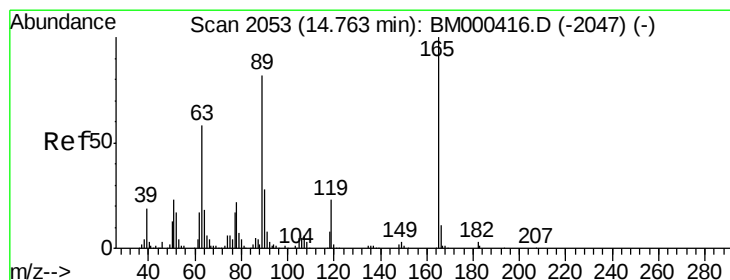
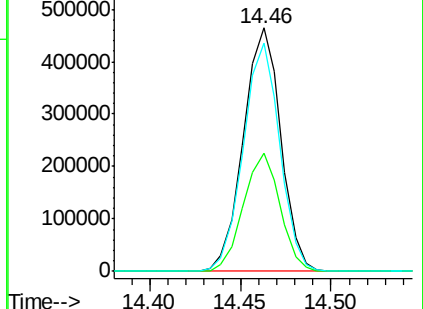
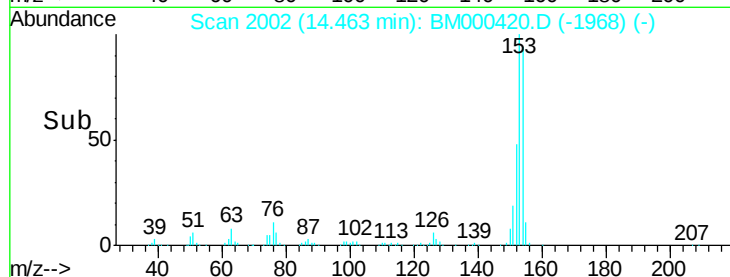
154 93.9 75.0 112.4



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

2,4-Dinitrotoluene

Concen: 34.07 ng/ul

RT: 14.76 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

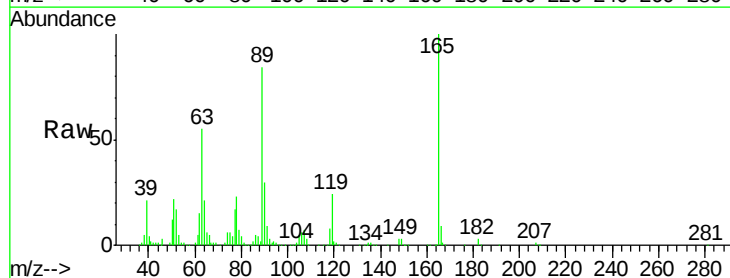
Tgt Ion:165 Resp: 357092

Ion Ratio Lower Upper

165 100

63 55.2 46.2 69.4

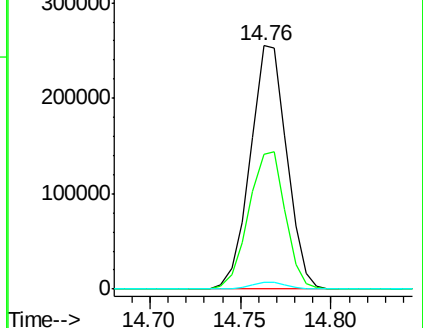
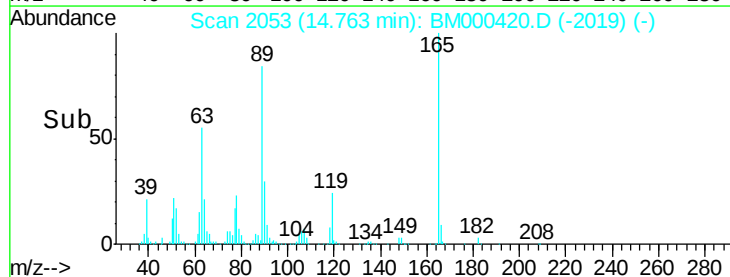
182 2.9 1.9 2.9

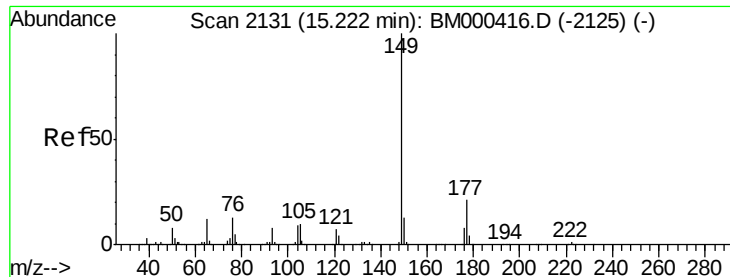


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

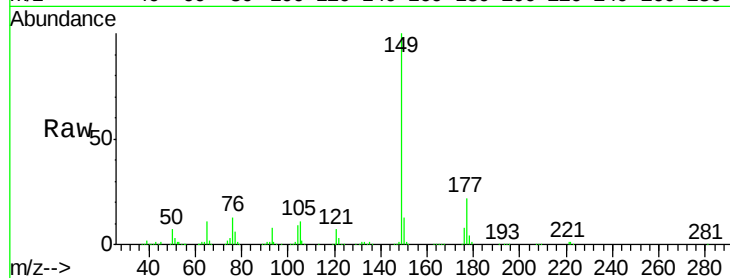




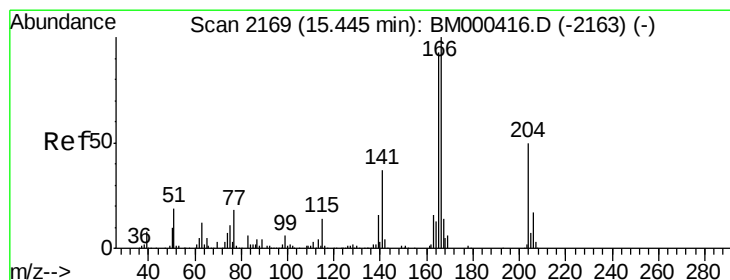
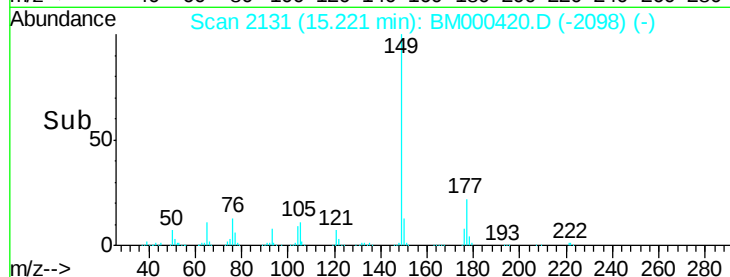
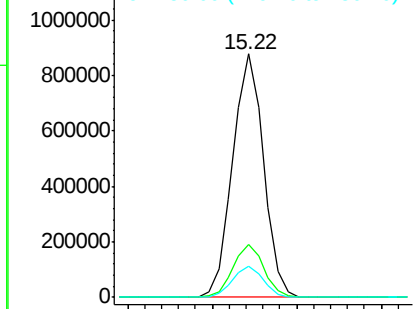
#56
Diethylphthalate
Concen: 28.00 ng/ul
RT: 15.22 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

Instrument :
BNA_M
ClientSampleId :
X1G07

Tgt Ion:149 Resp: 1116382
Ion Ratio Lower Upper
149 100
177 21.9 17.4 26.2
150 12.6 9.9 14.9

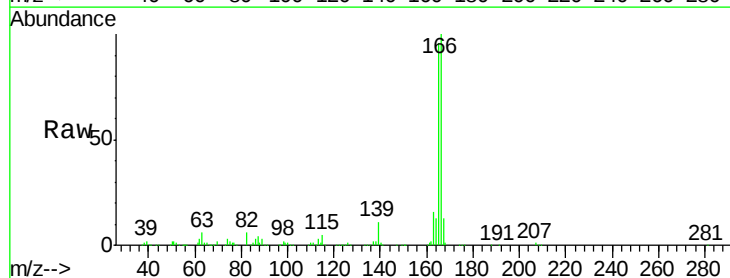


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

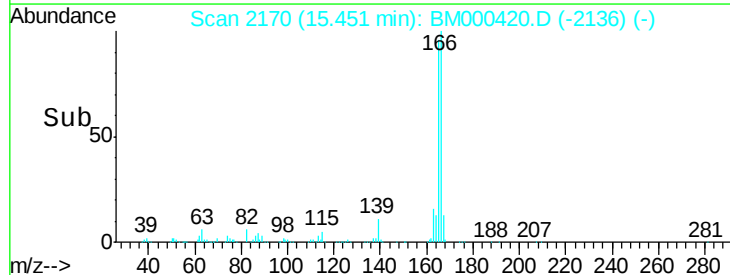
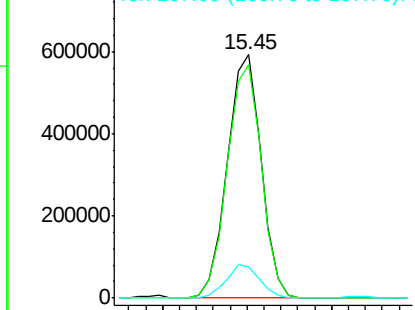


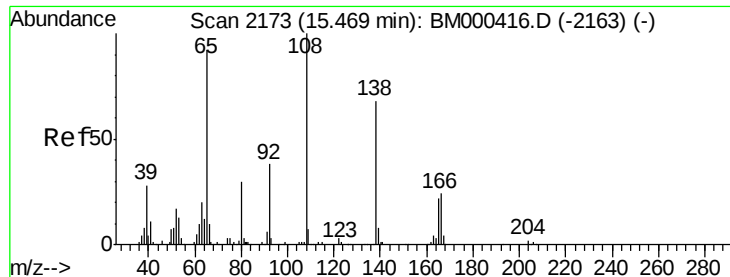
#58
Fluorene
Concen: 21.83 ng/ul
RT: 15.45 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

Tgt Ion:166 Resp: 823856
Ion Ratio Lower Upper
166 100
165 96.0 79.1 118.7
167 12.6 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





#60

4-Nitroaniline

Concen: 1.61 ng/ul

RT: 15.45 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampled :

X1G07

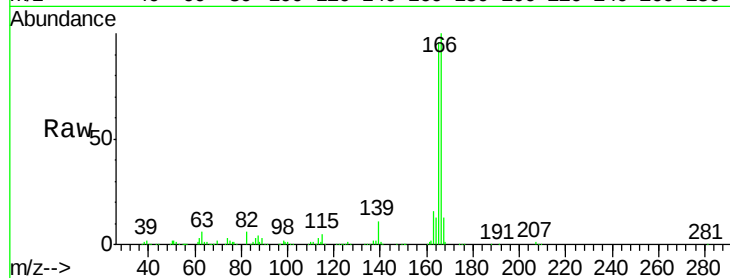
Tgt Ion:138 Resp: 11757

Ion Ratio Lower Upper

138 100

92 0.0 42.5 63.7#

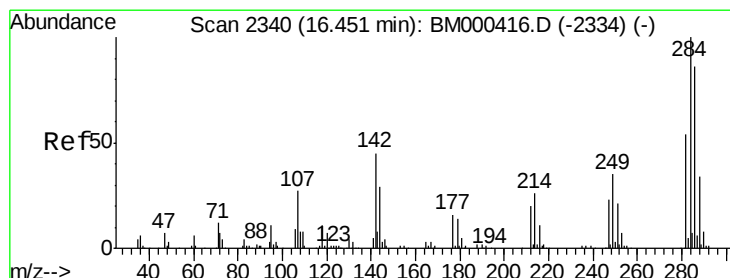
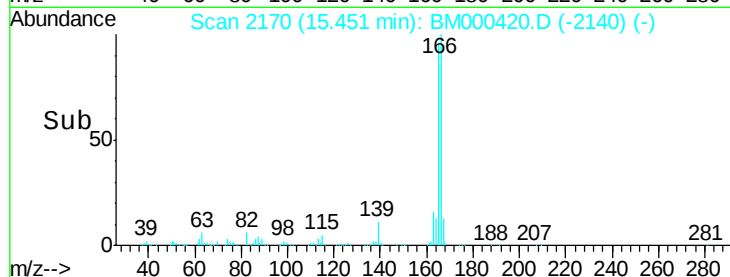
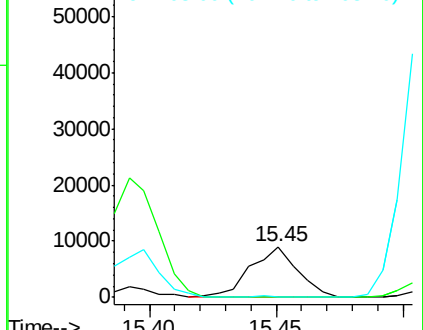
108 0.0 120.5 180.7#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#66

Hexachlorobenzene

Concen: 26.02 ng/ul

RT: 16.45 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

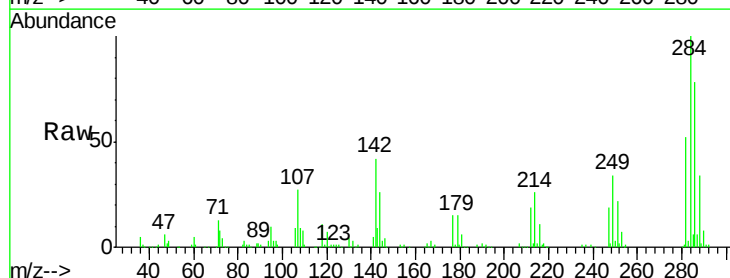
Tgt Ion:284 Resp: 353972

Ion Ratio Lower Upper

284 100

142 41.5 35.0 52.6

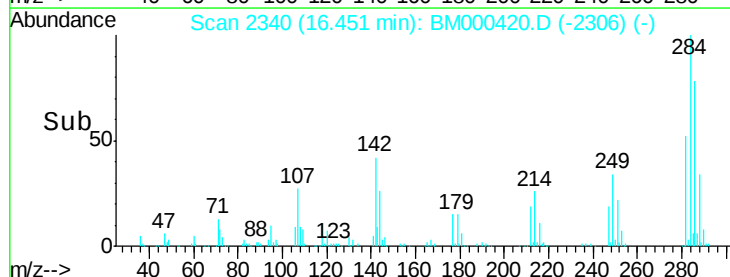
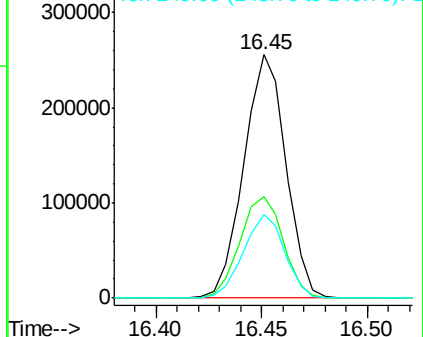
249 34.3 27.0 40.6

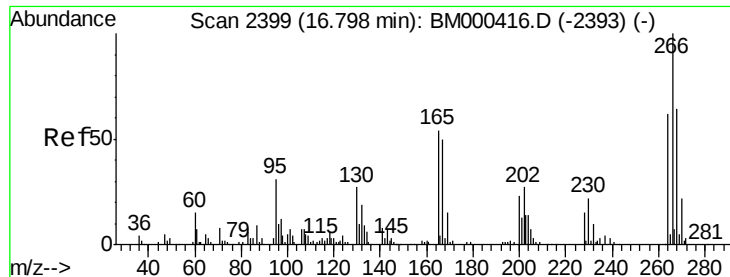


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

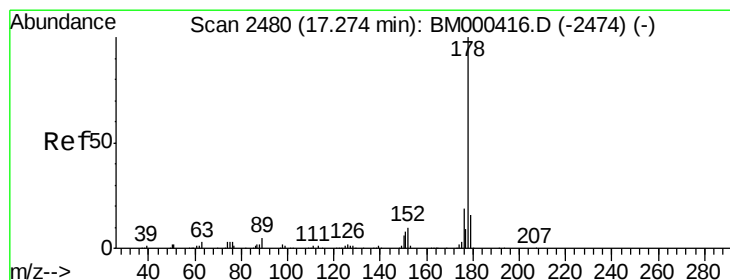
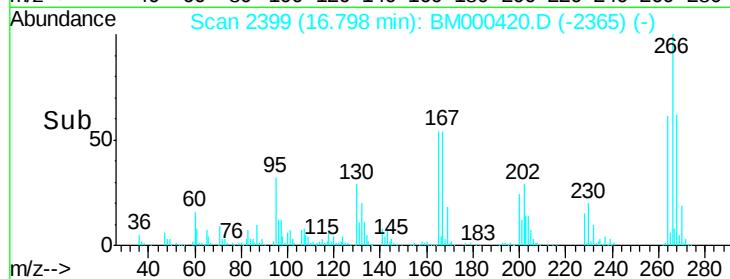
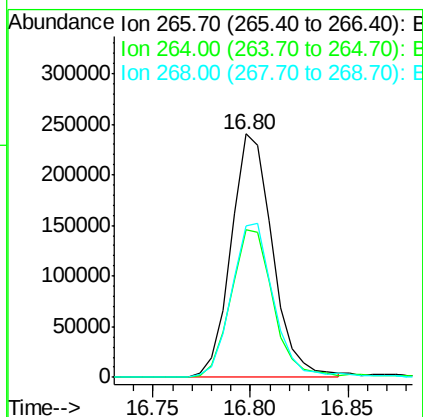
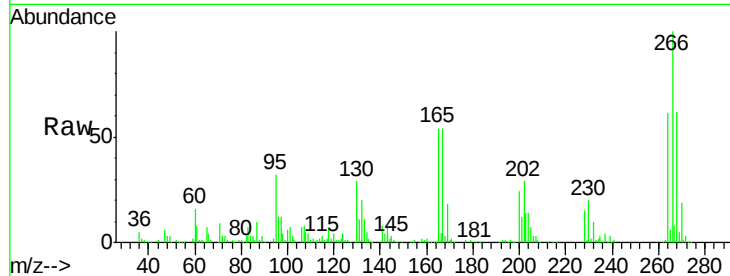




#68
 Pentachlorophenol
 Concen: 46.40 ng/ul
 RT: 16.80 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM000420.D
 Acq: 04 Feb 2015 16:13

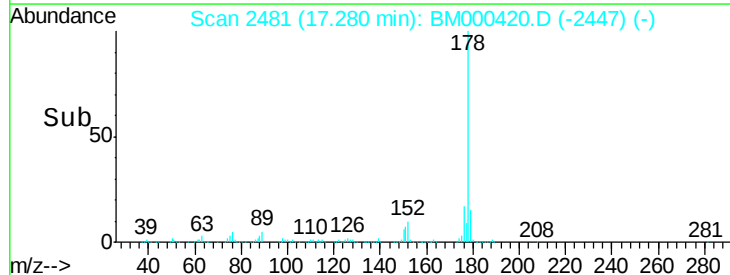
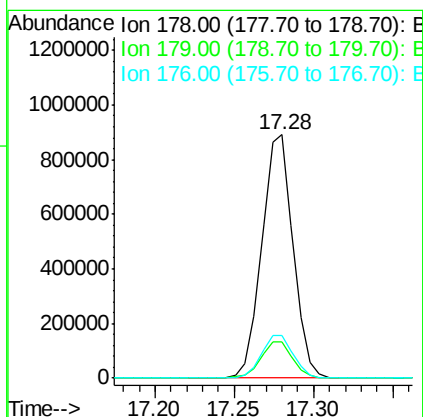
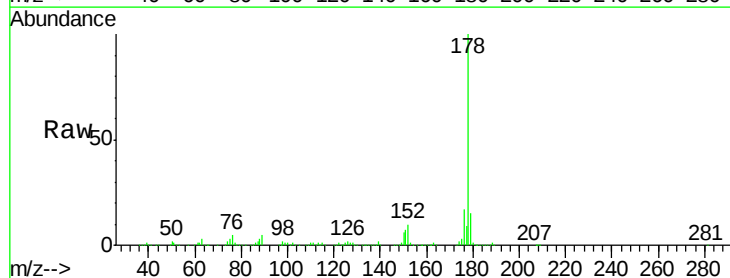
Instrument :
 BNA_M
 ClientSampleId :
 X1G07

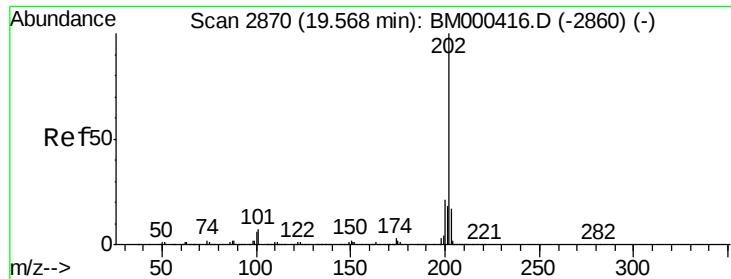
Tgt Ion:266 Resp: 353689
 Ion Ratio Lower Upper
 266 100
 264 60.7 49.6 74.4
 268 62.3 49.6 74.4



#71
 Anthracene
 Concen: 19.44 ng/ul
 RT: 17.28 min Scan# 2481
 Delta R.T. 0.00 min
 Lab File: BM000420.D
 Acq: 04 Feb 2015 16:13

Tgt Ion:178 Resp: 1224368
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.2 18.2
 176 17.3 14.3 21.5





#77

Pyrene

Concen: 22.65 ng/ul

RT: 19.57 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

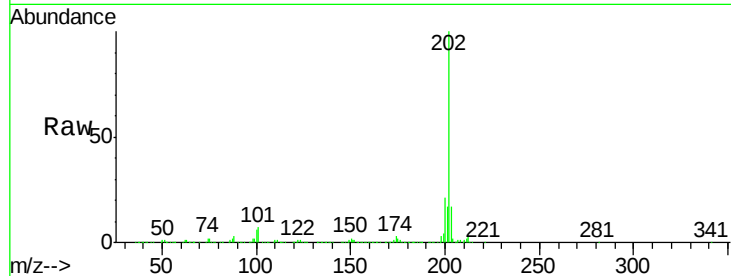
Tgt Ion:202 Resp: 1734823

Ion Ratio Lower Upper

202 100

101 7.4 5.4 8.0

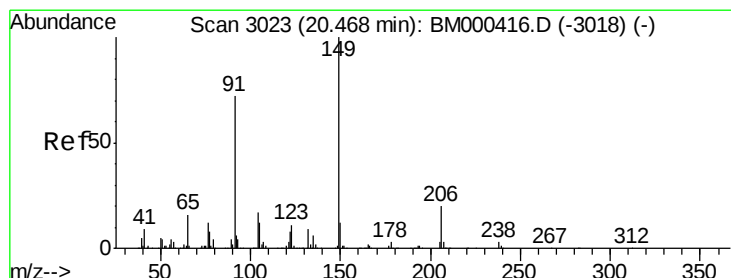
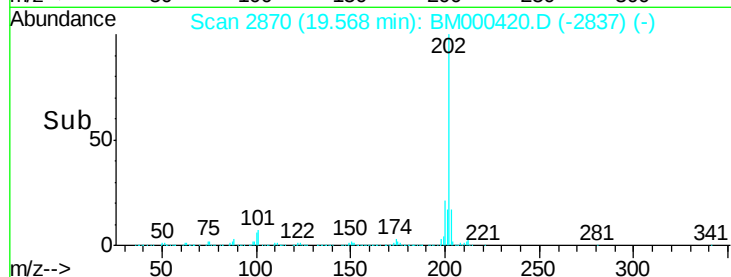
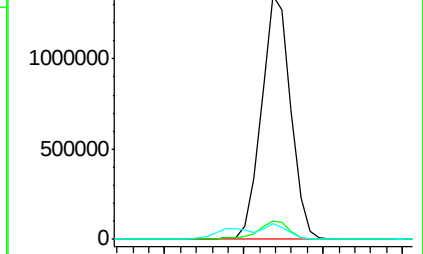
100 6.5 4.2 6.2#



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: 52.57 ng/ul

RT: 20.47 min Scan# 3023

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

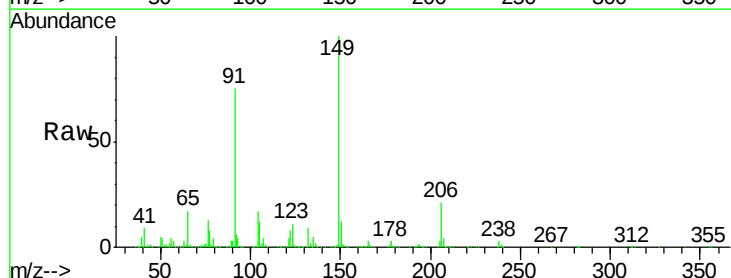
Tgt Ion:149 Resp: 1413881

Ion Ratio Lower Upper

149 100

91 74.6 57.9 86.9

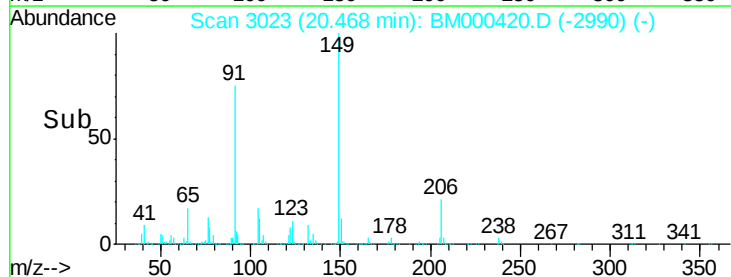
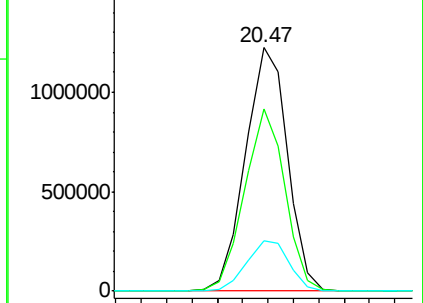
206 20.7 17.5 26.3

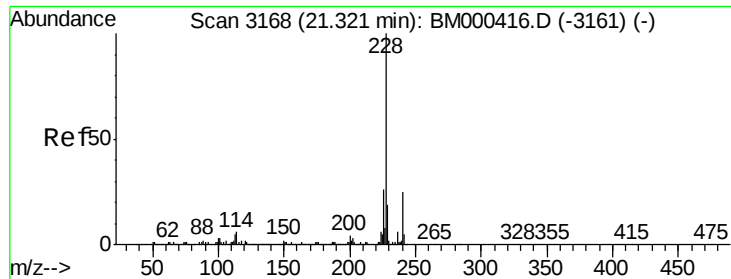


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 22.24 ng/ul

RT: 21.32 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

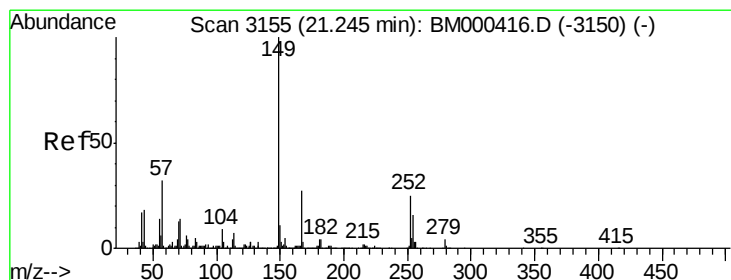
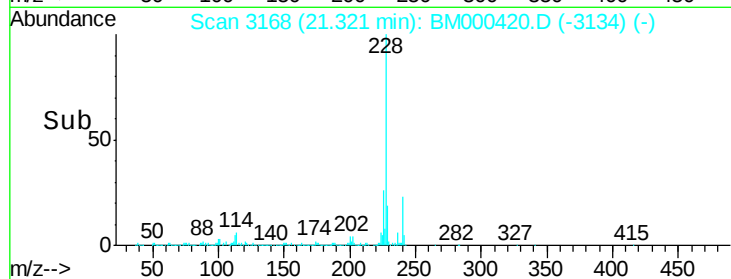
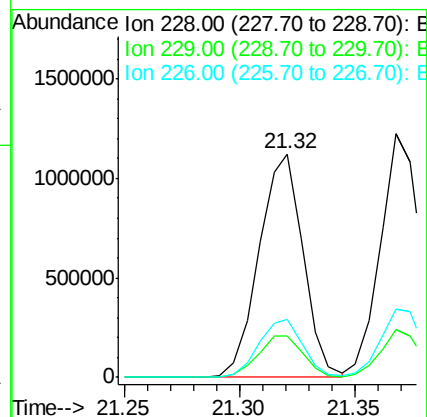
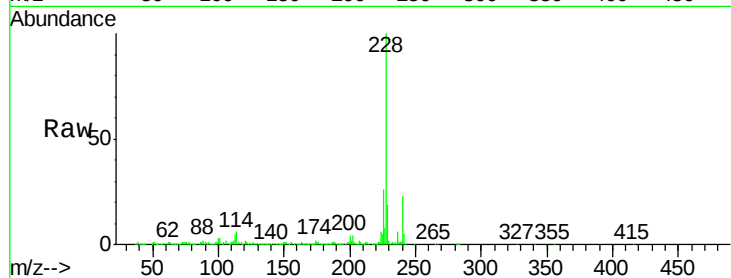
Tgt Ion:228 Resp: 1487411

Ion Ratio Lower Upper

228 100

229 18.7 15.6 23.4

226 25.9 21.0 31.4



#81

Bis(2-ethylhexyl)phthalate

Concen: 41.08 ng/ul

RT: 21.24 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

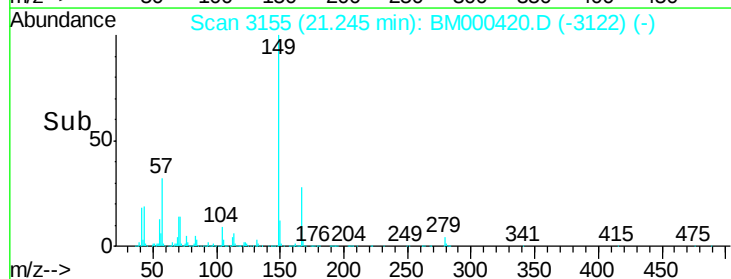
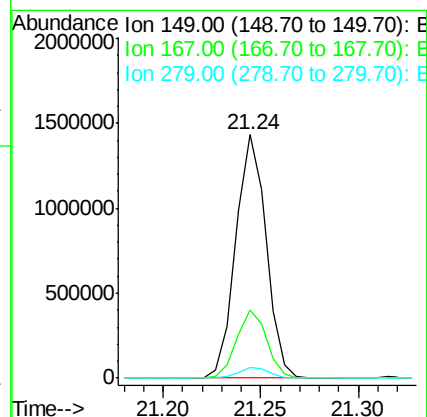
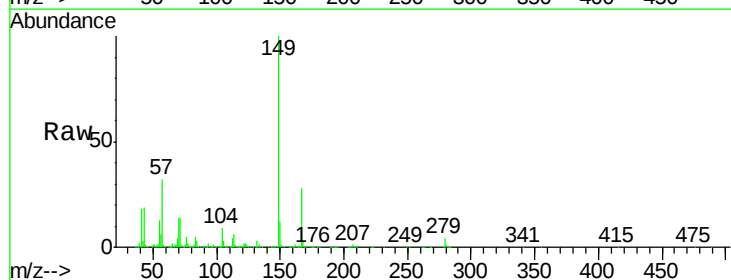
Tgt Ion:149 Resp: 1546556

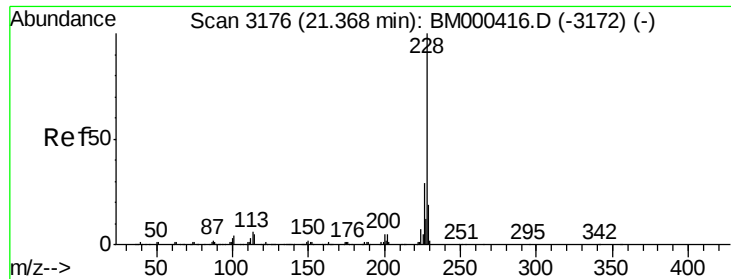
Ion Ratio Lower Upper

149 100

167 27.8 22.3 33.5

279 4.2 3.4 5.2





#82

Chrysene

Concen: 23.06 ng/ul

RT: 21.37 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

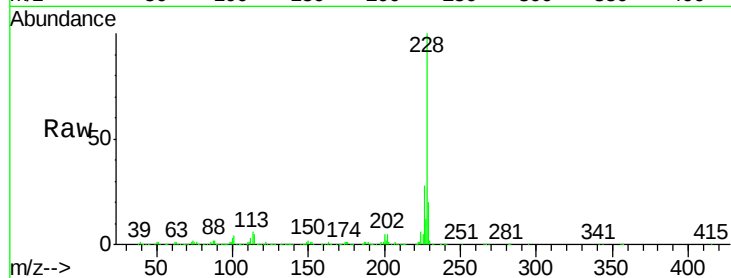
Tgt Ion:228 Resp: 1470308

Ion Ratio Lower Upper

228 100

226 28.2 24.3 36.5

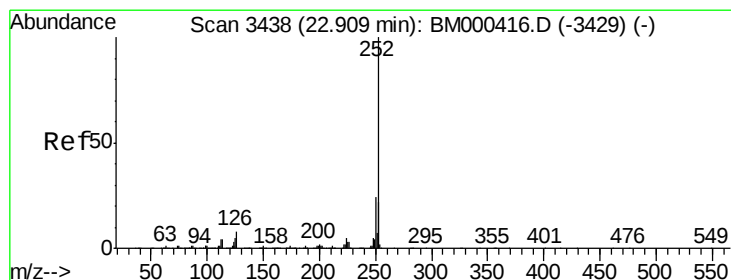
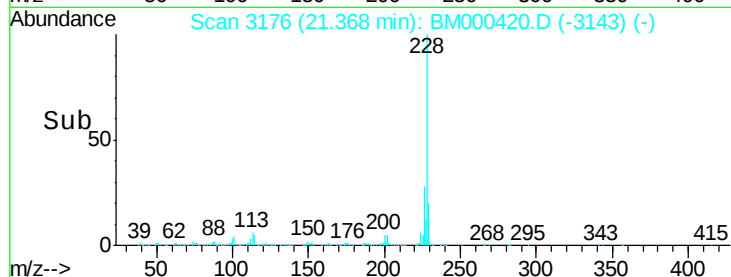
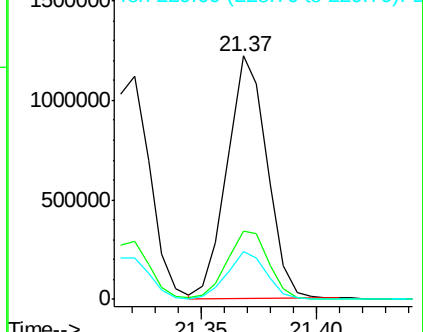
229 19.7 16.1 24.1



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



#85

Benzo(b)fluoranthene

Concen: 38.11 ng/ul

RT: 22.91 min Scan# 3438

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

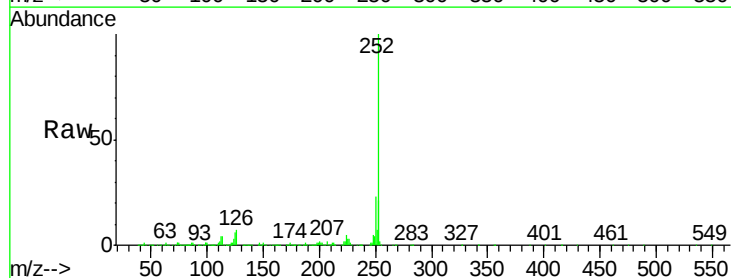
Tgt Ion:252 Resp: 2209270

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

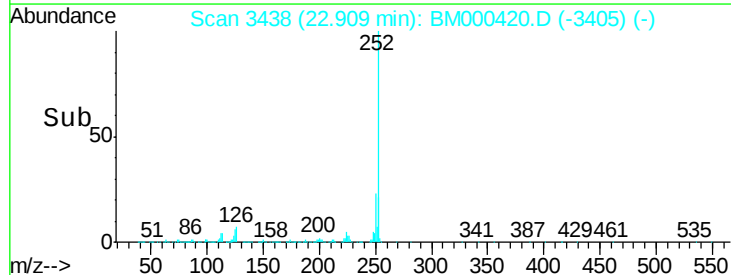
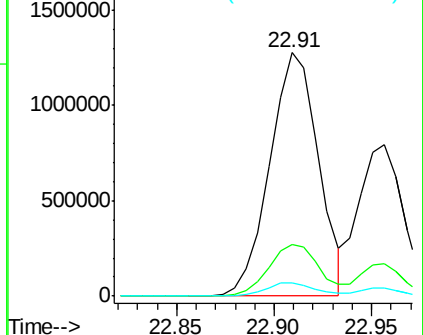
125 5.6 4.2 6.2

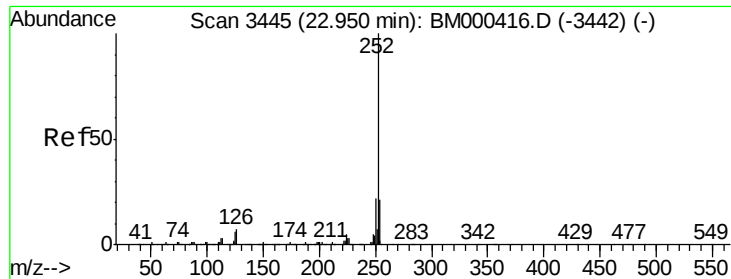


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

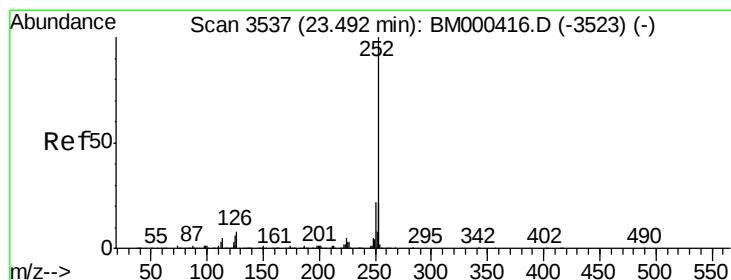
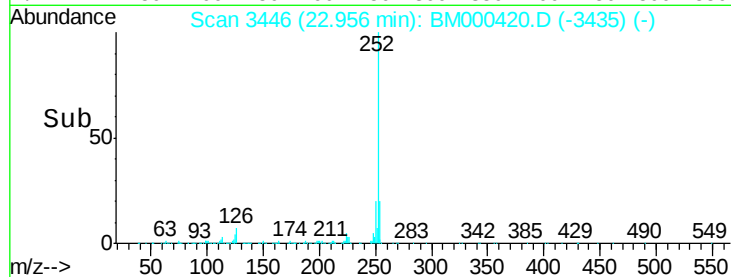
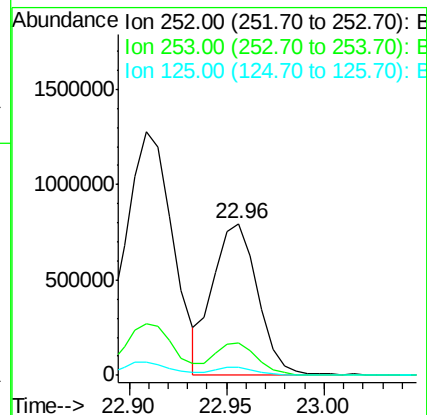
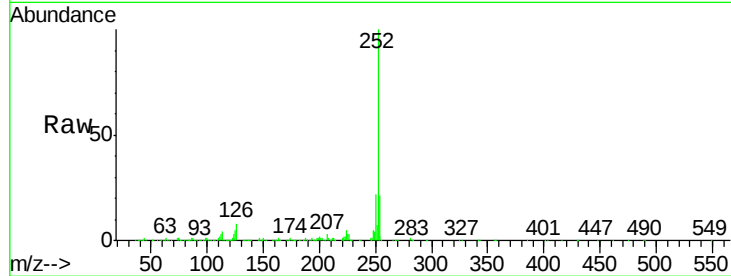




#86
Benzo(k)fluoranthene
Concen: 22.54 ng/ul
RT: 22.96 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

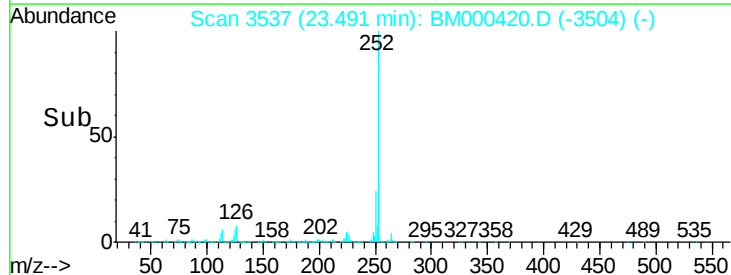
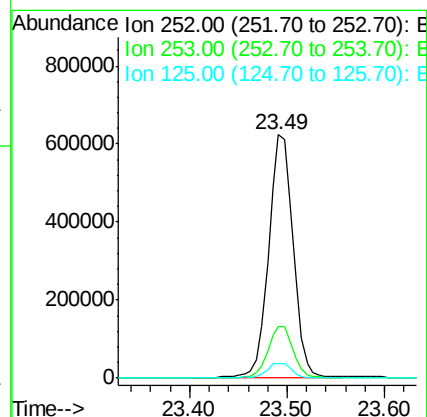
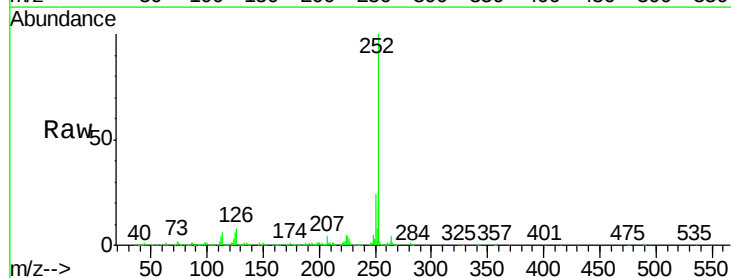
Instrument :
BNA_M
ClientSampleId :
X1G07

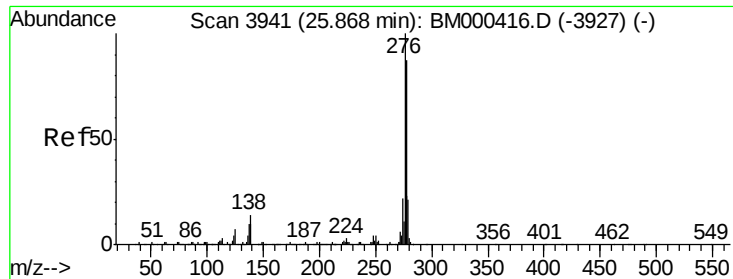
Tgt Ion:252 Resp: 1249194
Ion Ratio Lower Upper
252 100
253 21.2 16.7 25.1
125 5.2 3.9 5.9



#88
Benzo(a)pyrene
Concen: 21.07 ng/ul
RT: 23.49 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BM000420.D
Acq: 04 Feb 2015 16:13

Tgt Ion:252 Resp: 1103917
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 5.9 4.7 7.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 31.45 ng/ul

RT: 25.86 min Scan# 3940

Delta R.T. -0.01 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

Instrument :

BNA_M

ClientSampleId :

X1G07

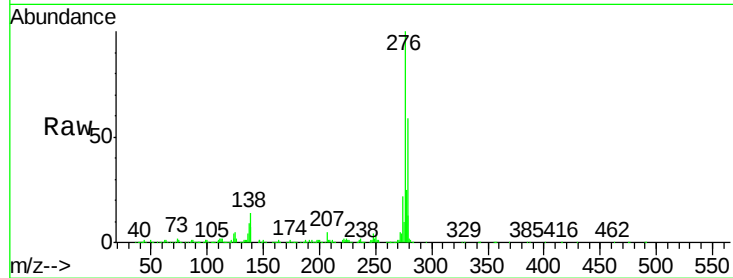
Tgt Ion:276 Resp: 1628631

Ion Ratio Lower Upper

276 100

138 14.4 11.4 17.0

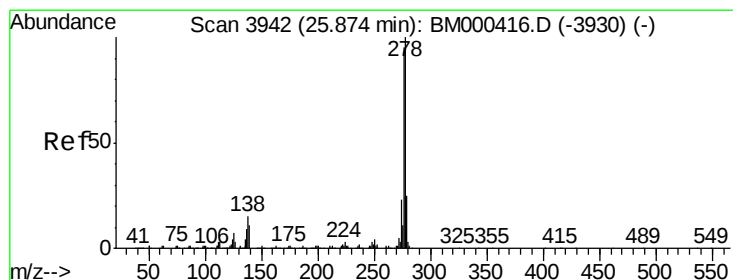
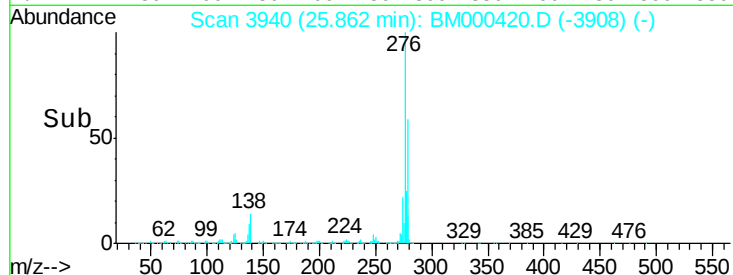
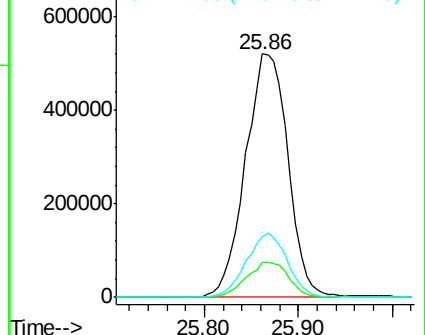
277 24.9 20.3 30.5



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: 27.45 ng/ul

RT: 25.88 min Scan# 3943

Delta R.T. 0.00 min

Lab File: BM000420.D

Acq: 04 Feb 2015 16:13

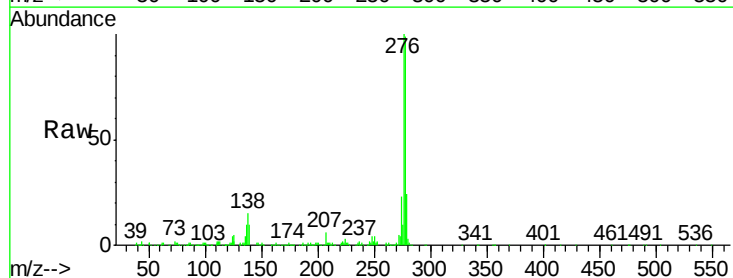
Tgt Ion:278 Resp: 1192602

Ion Ratio Lower Upper

278 100

139 10.1 6.8 10.2

279 24.5 19.8 29.6



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

