

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020116\
 Data File : BG020774.D
 Acq On : 1 Feb 2016 15:32
 Operator : SJ/IZ
 Sample : H1280-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X2245

Quant Time: Feb 02 02:29:15 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 02 02:25:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	15264	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	78291	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	47356	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	109423	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	101265	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	94991	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	2072	6.51	ng/uL	0.00
5) Phenol-d5	7.41	99	47935	30.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	29253	35.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	37366	31.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	43170	32.03	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	17622	36.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	14244	34.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	34878	30.50	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	67081	41.72	ng/ul	0.00
44) Dimethylphthalate-d6	14.29	166	152842	37.78	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	178890	36.29	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	25799	36.06	ng/ul	0.00
58) Fluorene-d10	15.87	176	128627	36.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	11325	31.34	ng/ul	0.00
71) Anthracene-d10	17.72	188	202382	37.61	ng/ul	0.00
79) Pyrene-d10	19.98	212	204859	37.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	200417	39.36	ng/ul	0.00

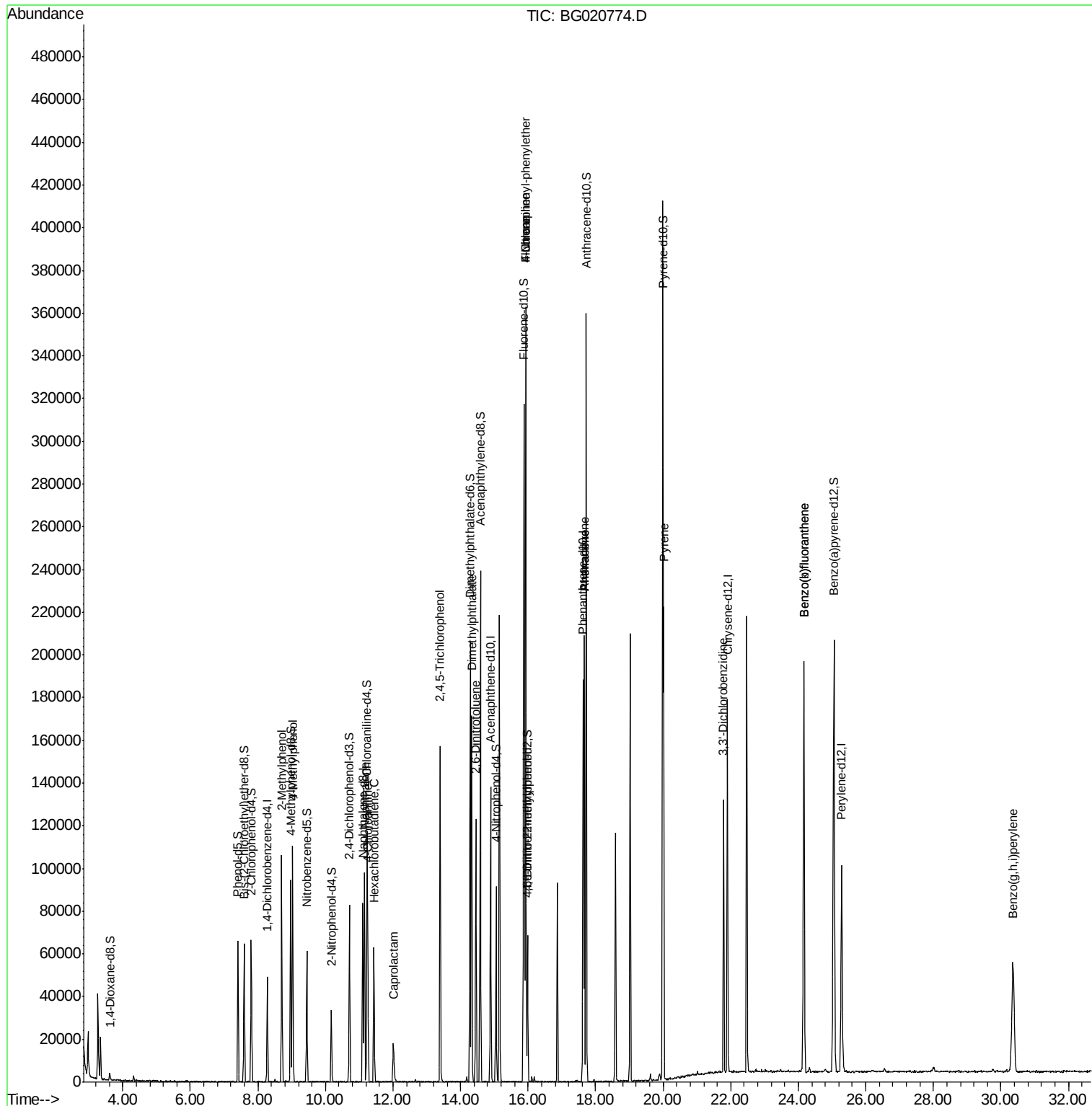
Target Compounds

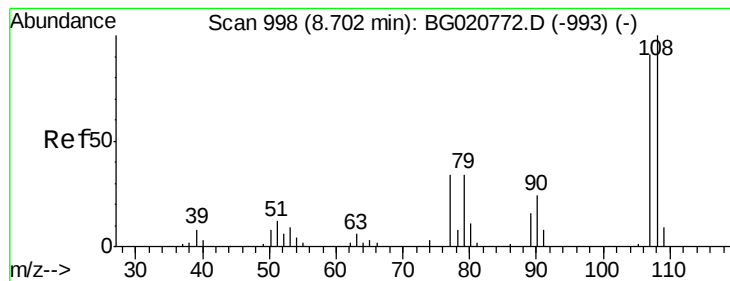
						Qvalue
11) 2-Methylphenol	8.71	108	42218	32.11	ng/ul	100
16) 4-Methylphenol	9.03	108	45928	31.22	ng/ul	89
28) Naphthalene	11.16	128	90700	20.77	ng/ul	99
30) 4-Chloroaniline	11.26	127	35646	20.85	ng/ul	92
31) Hexachlorobutadiene	11.44	225	14350	23.93	ng/ul	96
32) Caprolactam	12.01	113	6396	12.96	ng/ul#	78
40) 2,4,5-Trichlorophenol	13.39	196	42285	43.00	ng/ul	98
45) Dimethylphthalate	14.33	163	120625	28.57	ng/ul#	97
46) 2,6-Dinitrotoluene	14.46	165	25515	45.46	ng/ul	93
59) Fluorene	15.93	166	106304	24.55	ng/ul	96
60) 4-Chlorophenyl-phenylether	15.92	204	64272	34.24	ng/ul	92
61) 4-Nitroaniline	15.93	138	1666	1.81	ng/ul#	14
64) 4,6-Dinitro-2-methylphenol	15.99	198	11201	26.21	ng/ul#	98
70) Phenanthrene	17.66	178	125535	18.27	ng/ul	98
72) Anthracene	17.66	178	125535	18.27	ng/ul	96
80) Pyrene	20.01	202	120500	15.74	ng/ul#	74
82) 3,3'-Dichlorobenzidine	21.79	252	43808	20.23	ng/ul#	93
88) Benzo(b)fluoranthene	24.17	252	9185	1.48	ng/ul#	2
89) Benzo(k)fluoranthene	24.17	252	9185	1.51	ng/ul#	1
94) Benzo(g,h,i)perylene	30.36	276	92040	16.11	ng/ul#	81

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

```
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Quant Title : SVOA CALIBRATION
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#11

2-Methylphenol

Concen: 32.11 ng/ul

RT: 8.71 min Scan# 999

Delta R.T. 0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

Instrument :

BNA_G

ClientSampleId :

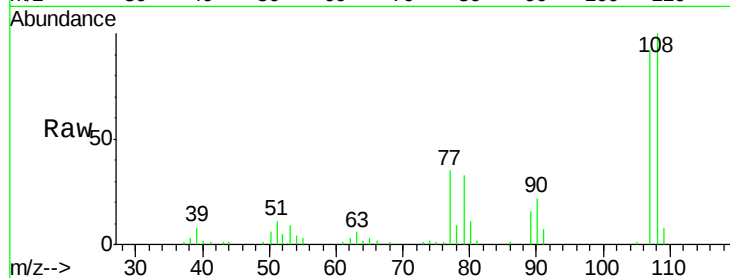
X2245

Tgt Ion:108 Resp: 42218

Ion Ratio Lower Upper

108 100

107 92.5 74.1 111.1

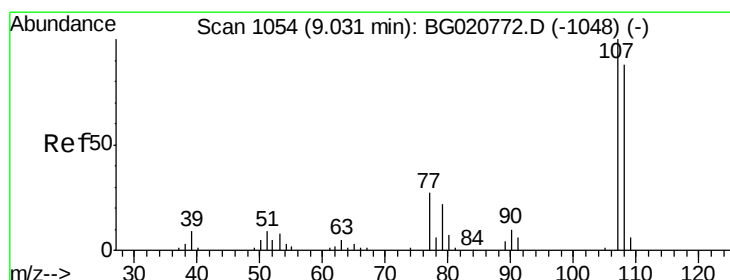
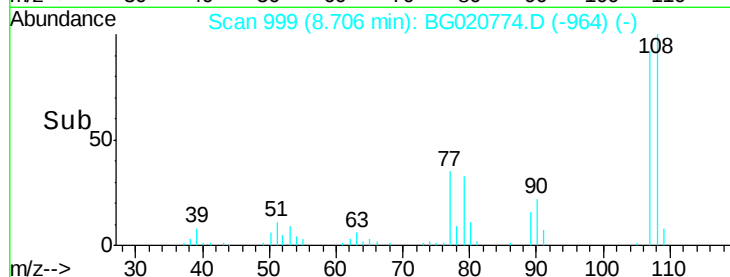


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.71

Time-->



#16

4-Methylphenol

Concen: 31.22 ng/ul

RT: 9.03 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BG020774.D

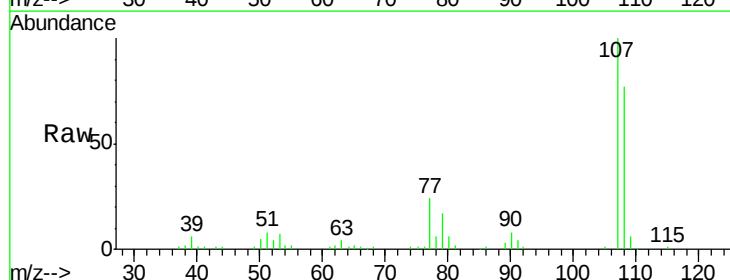
Acq: 1 Feb 2016 15:32

Tgt Ion:108 Resp: 45928

Ion Ratio Lower Upper

108 100

107 129.3 93.6 140.4

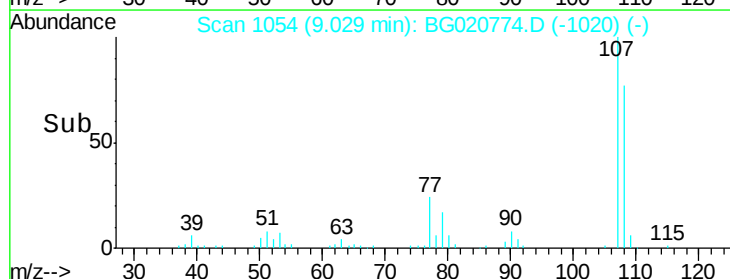


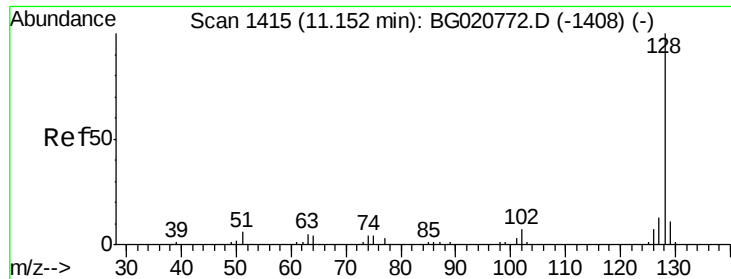
Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

9.03

Time-->

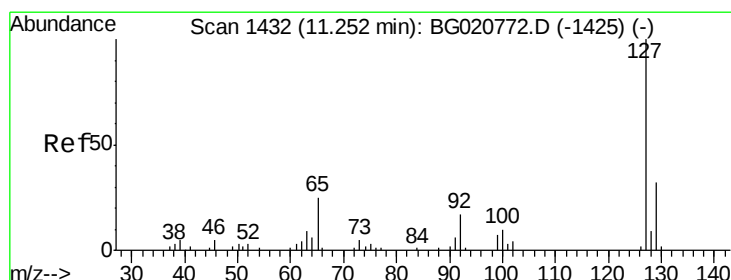
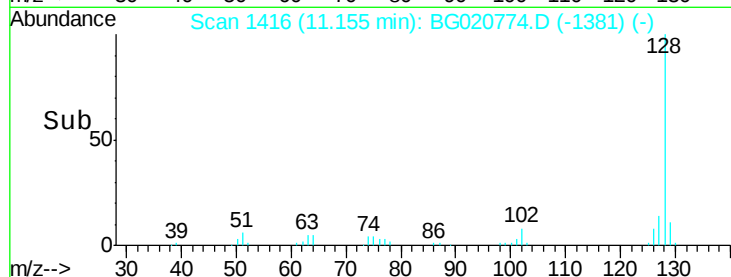
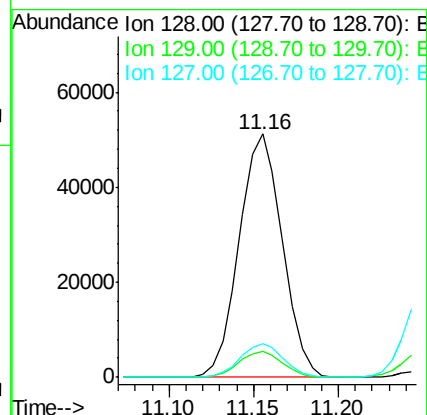
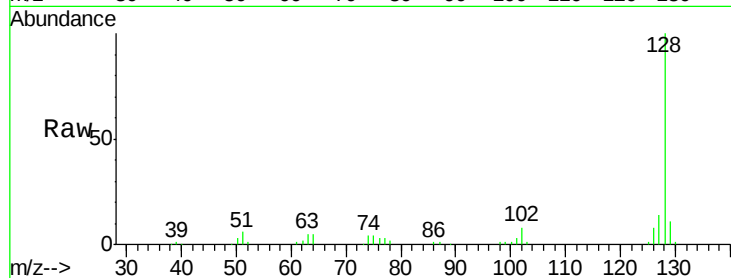




#28
Naphthalene
Concen: 20.77 ng/ul
RT: 11.16 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

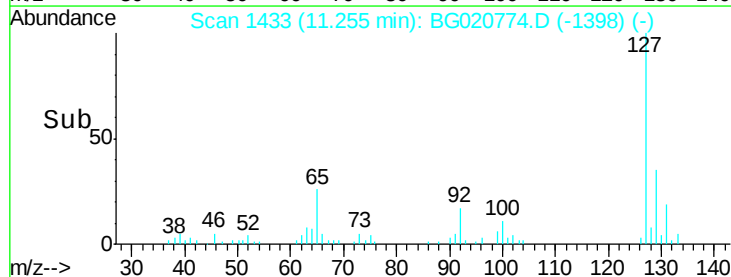
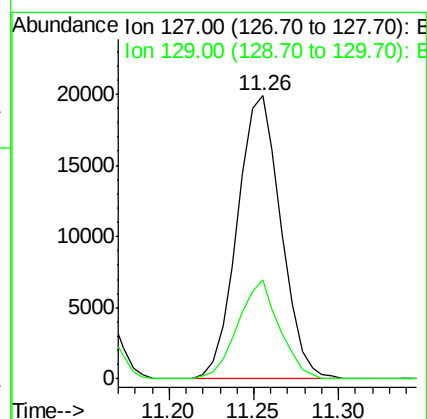
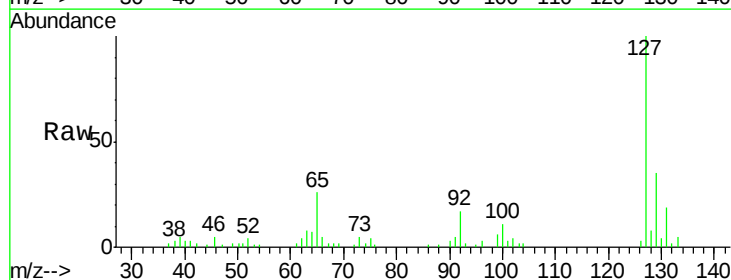
Instrument :
BNA_G
ClientSampleId :
X2245

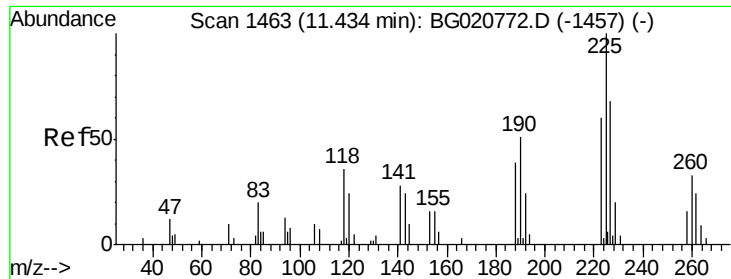
Tgt Ion:128 Resp: 90700
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.7 10.8 16.2



#30
4-Chloroaniline
Concen: 20.85 ng/ul
RT: 11.26 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

Tgt Ion:127 Resp: 35646
Ion Ratio Lower Upper
127 100
129 35.0 24.6 37.0

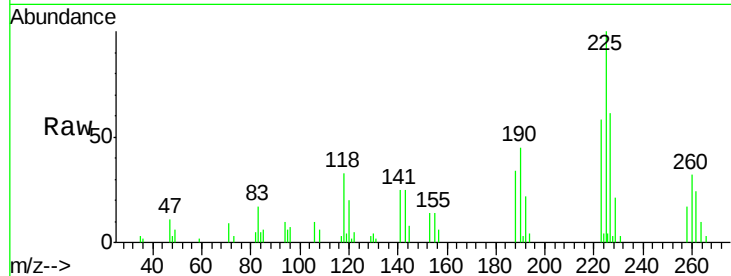




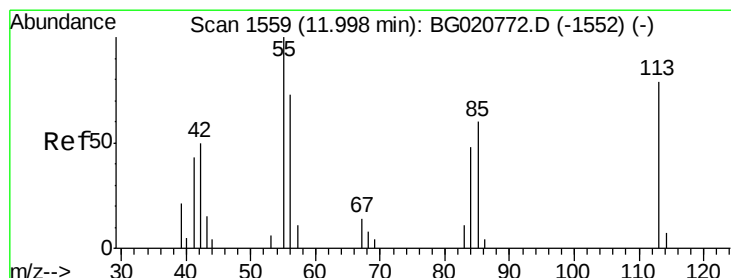
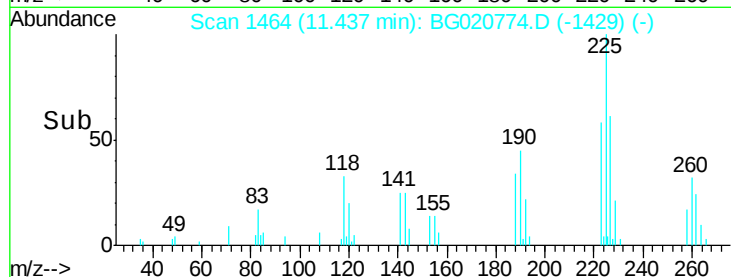
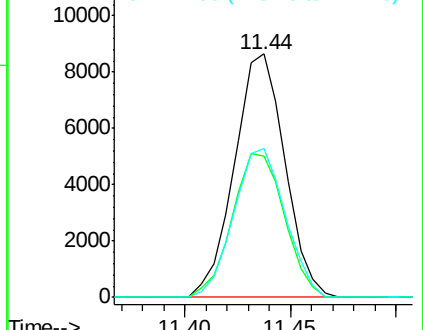
#31
Hexachlorobutadiene
Concen: 23.93 ng/ul
RT: 11.44 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

Instrument :
BNA_G
ClientSampleId :
X2245

Tgt Ion: 225 Resp: 14350
Ion Ratio Lower Upper
225 100
223 58.0 48.1 72.1
227 61.0 52.1 78.1

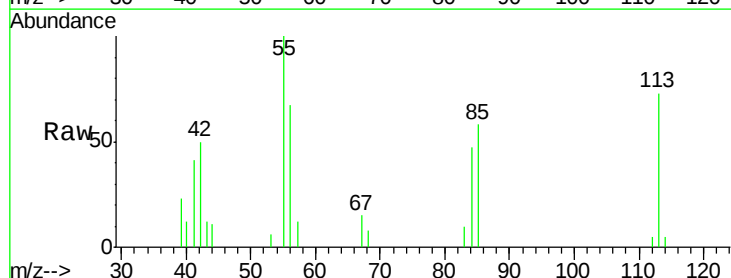


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

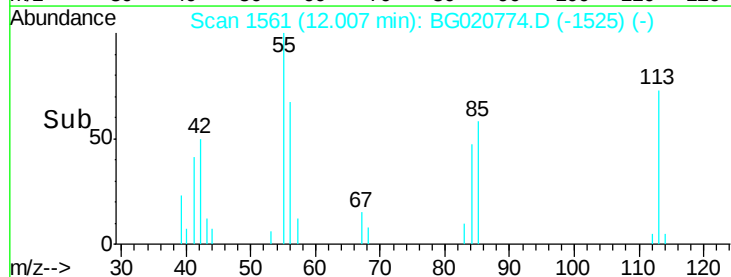
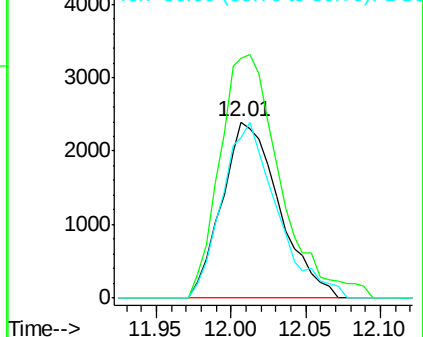


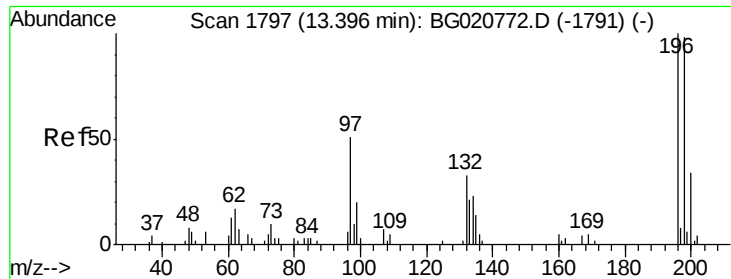
#32
Caprolactam
Concen: 12.96 ng/ul
RT: 12.01 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

Tgt Ion: 113 Resp: 6396
Ion Ratio Lower Upper
113 100
55 136.5 131.7 197.5
56 91.3 92.7 139.1#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC

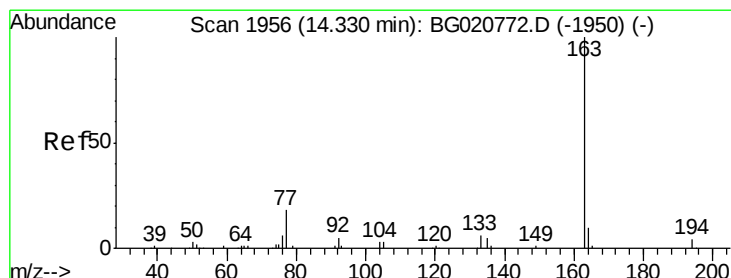
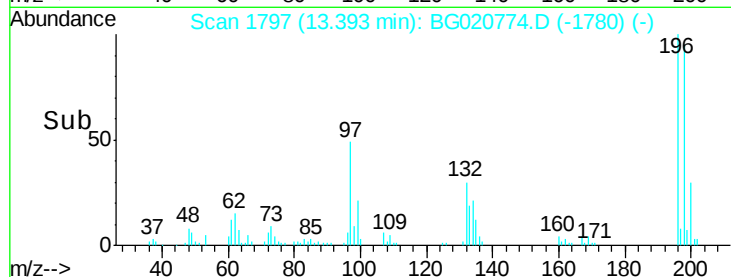
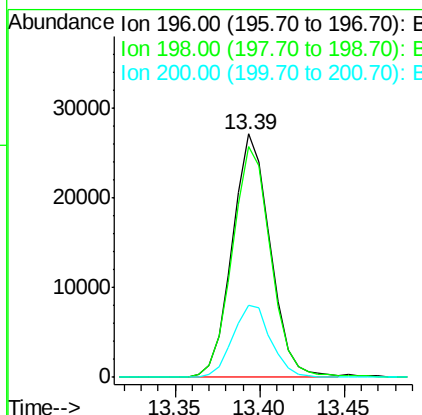
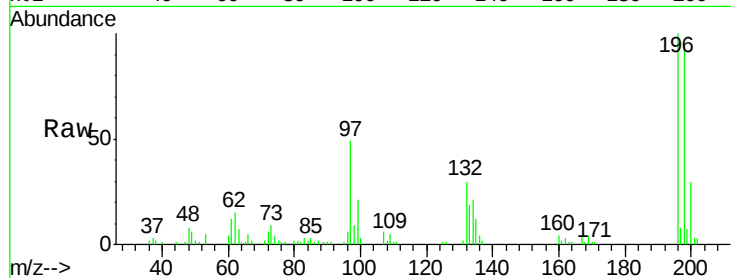




#40
2,4,5-Trichlorophenol
Concen: 43.00 ng/ul
RT: 13.39 min Scan# 1797
Delta R.T. -0.00 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

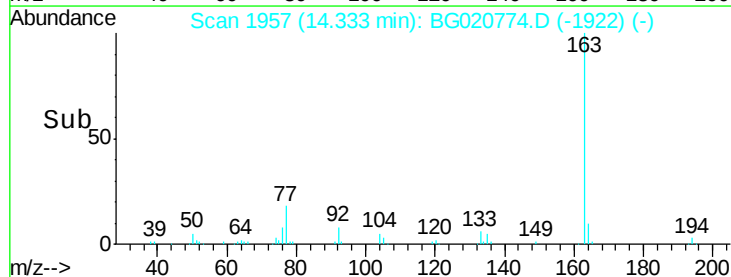
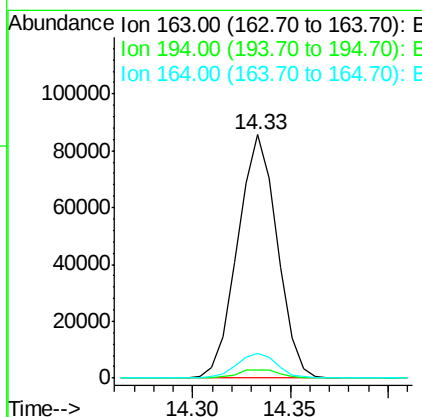
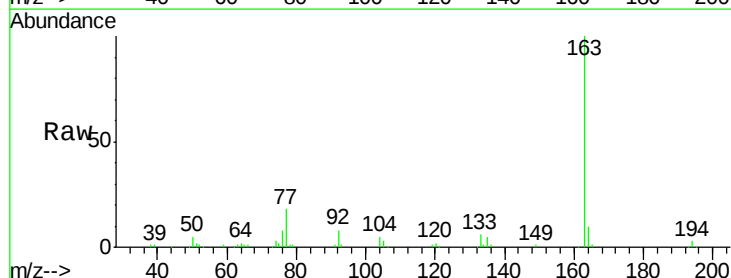
Instrument :
BNA_G
ClientSampleId :
X2245

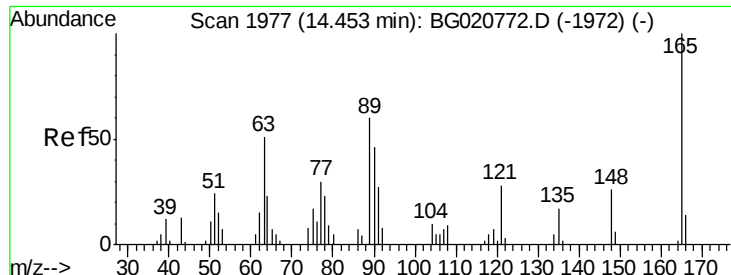
Tgt Ion:196 Resp: 42285
Ion Ratio Lower Upper
196 100
198 94.8 74.7 112.1
200 29.8 25.4 38.0



#45
Dimethylphthalate
Concen: 28.57 ng/ul
RT: 14.33 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BG020774.D
Acq: 1 Feb 2016 15:32

Tgt Ion:163 Resp: 120625
Ion Ratio Lower Upper
163 100
194 3.4 4.0 6.0#
164 10.0 8.4 12.6

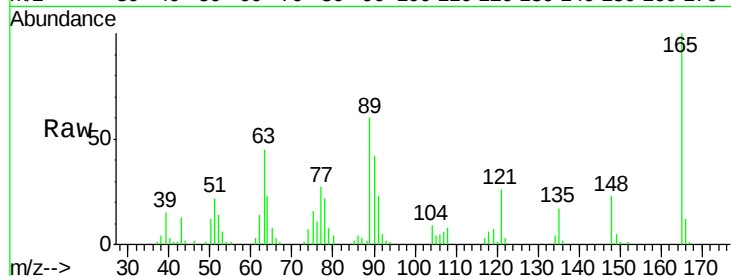




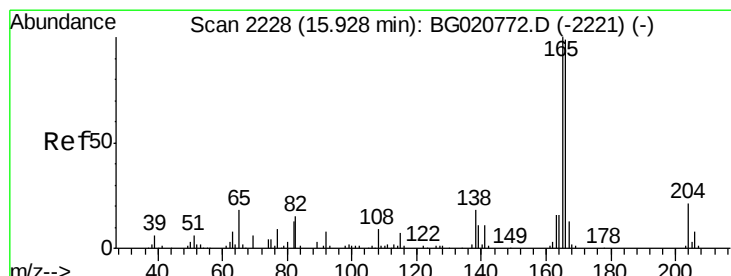
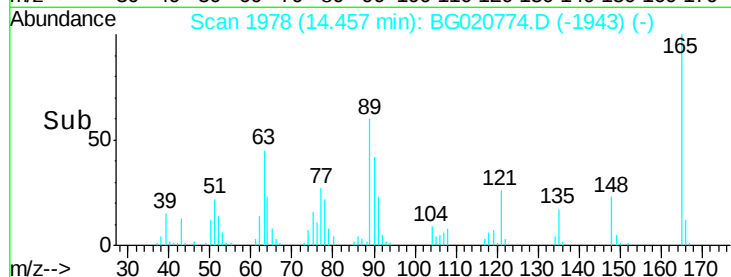
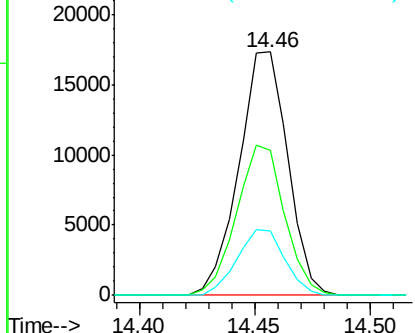
#46
 2,6-Dinitrotoluene
 Concen: 45.46 ng/ul
 RT: 14.46 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: BG020774.D
 Acq: 1 Feb 2016 15:32

Instrument :
 BNA_G
 ClientSampled :
 X2245

Tgt Ion:165 Resp: 25515
 Ion Ratio Lower Upper
 165 100
 89 59.8 43.8 65.8
 121 26.4 17.8 26.6

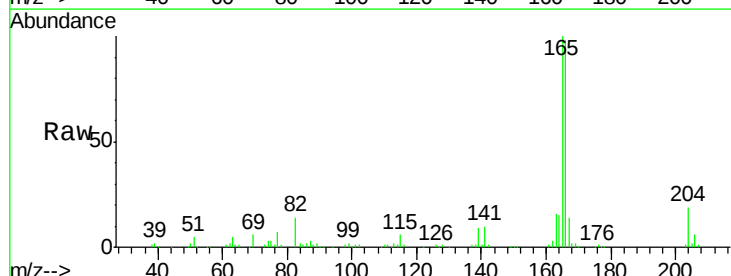


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

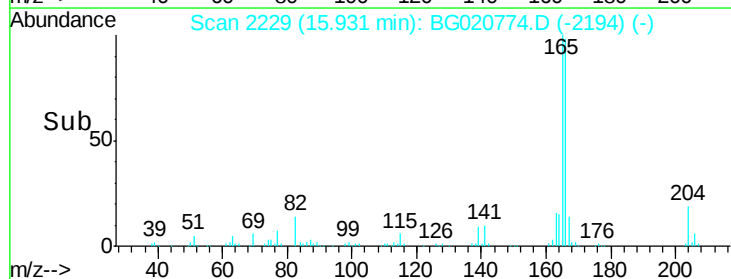
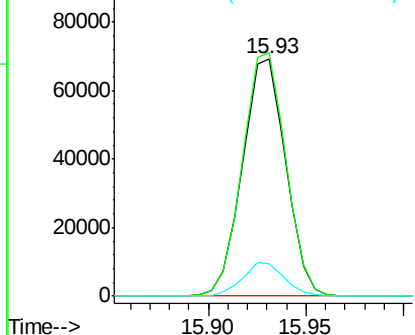


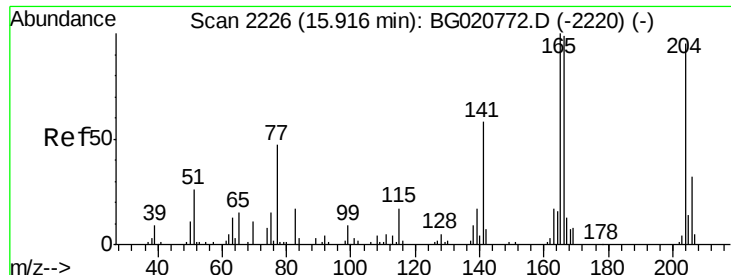
#59
 Fluorene
 Concen: 24.55 ng/ul
 RT: 15.93 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG020774.D
 Acq: 1 Feb 2016 15:32

Tgt Ion:166 Resp: 106304
 Ion Ratio Lower Upper
 166 100
 165 102.4 78.4 117.6
 167 13.9 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

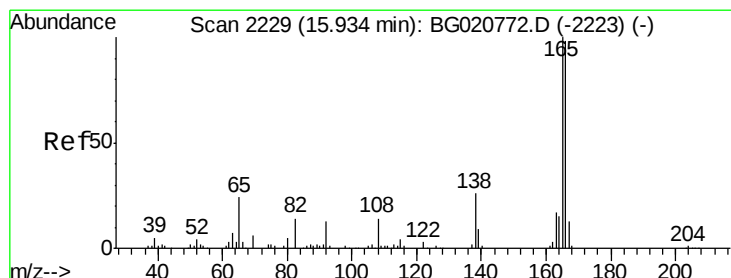
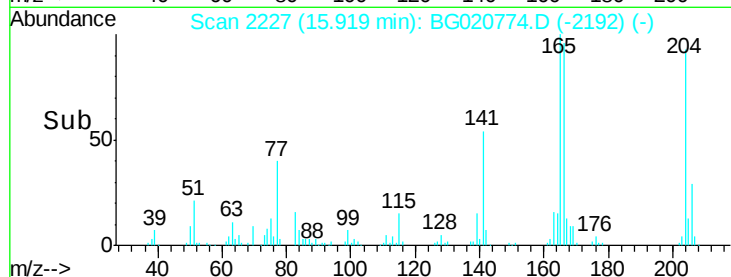
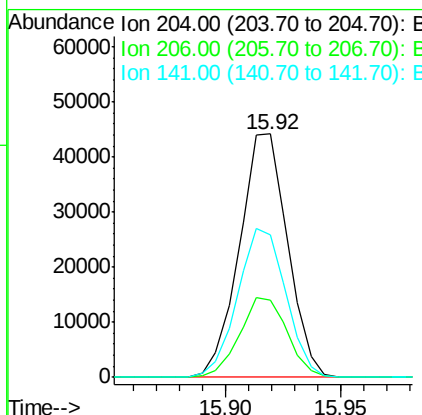
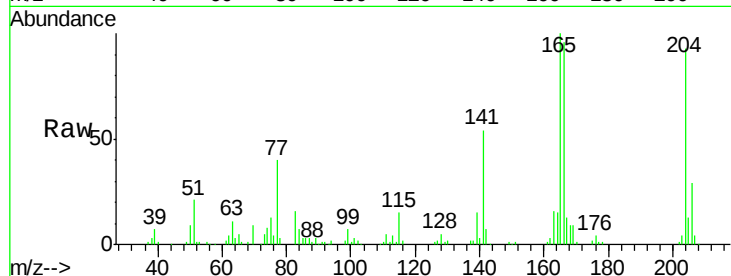




#60
 4-Chlorophenyl-phenylether
 Concen: 34.24 ng/ul
 RT: 15.92 min Scan# 2227
 Delta R.T. 0.00 min
 Lab File: BG020774.D
 Acq: 1 Feb 2016 15:32

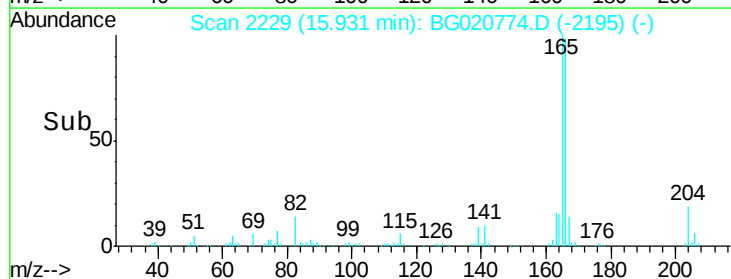
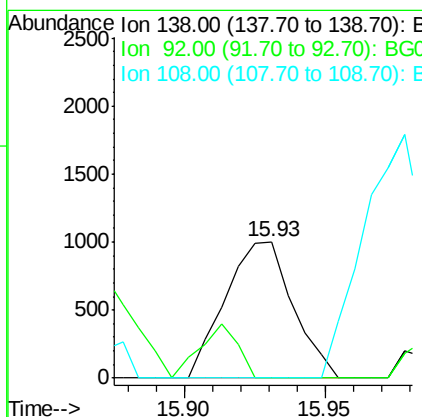
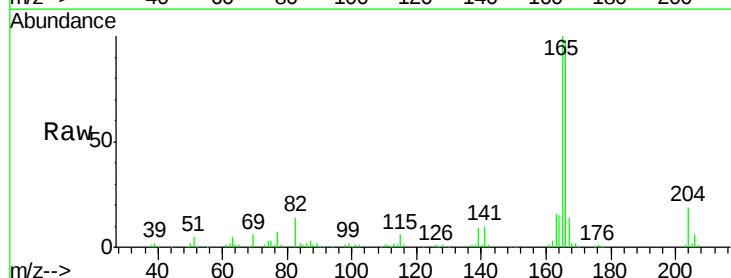
Instrument :
 BNA_G
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 X2245

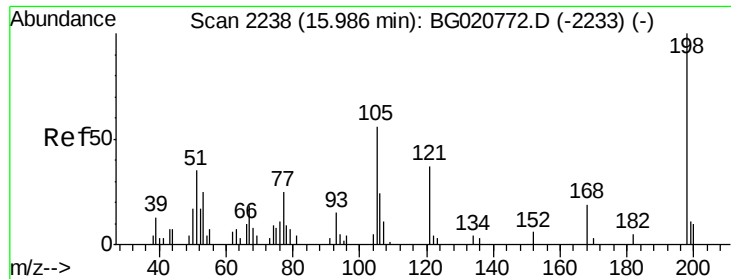
Tgt Ion: 204 Resp: 64272
 Ion Ratio Lower Upper
 204 100
 206 31.7 26.6 40.0
 141 58.3 40.7 61.1



#61
 4-Nitroaniline
 Concen: 1.81 ng/ul
 RT: 15.93 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG020774.D
 Acq: 1 Feb 2016 15:32

Tgt Ion: 138 Resp: 1666
 Ion Ratio Lower Upper
 138 100
 92 0.0 38.2 57.4#
 108 0.0 70.0 105.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 26.21 ng/ul

RT: 15.99 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

Instrument :

BNA_G

ClientSampleId :

X2245

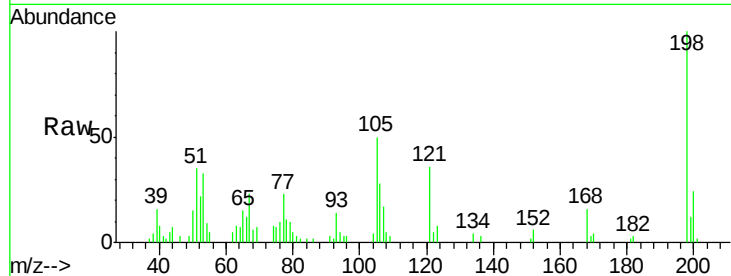
Tgt Ion:198 Resp: 11201

Ion Ratio Lower Upper

198 100

182 3.3 3.5 5.3#

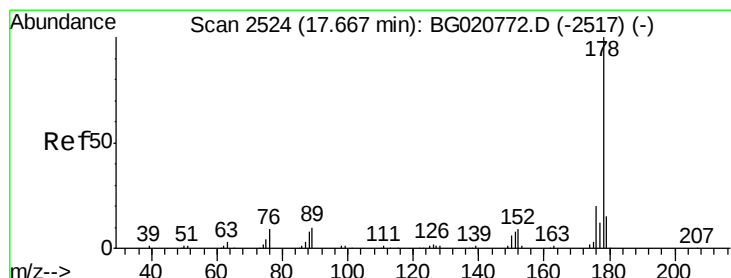
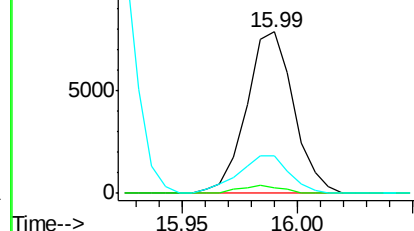
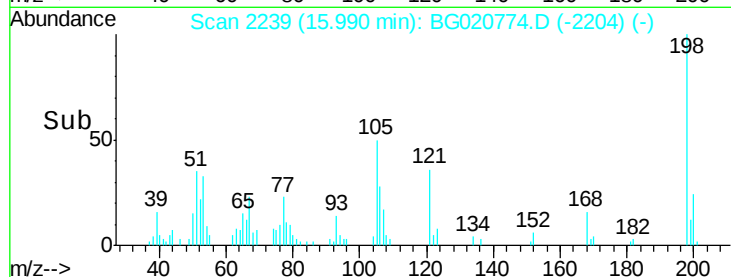
77 23.4 18.2 27.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): B



#70

Phenanthrene

Concen: 18.27 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

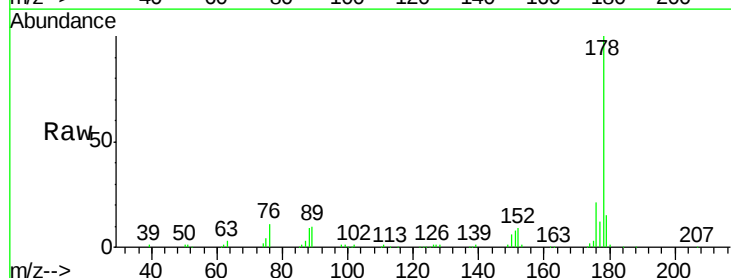
Tgt Ion:178 Resp: 125535

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

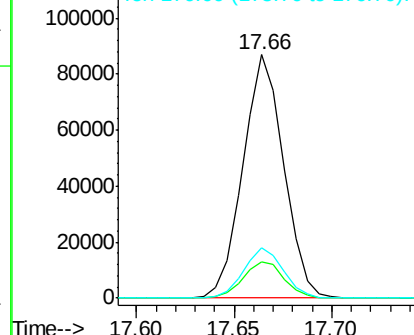
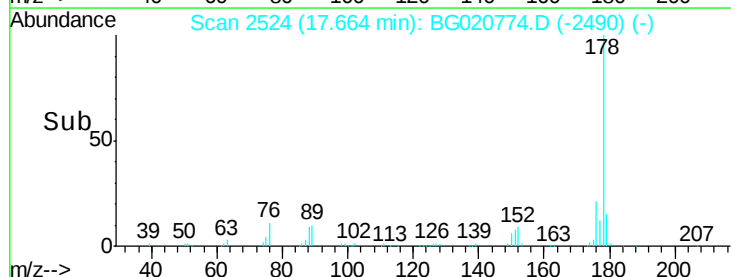
176 20.7 15.4 23.0

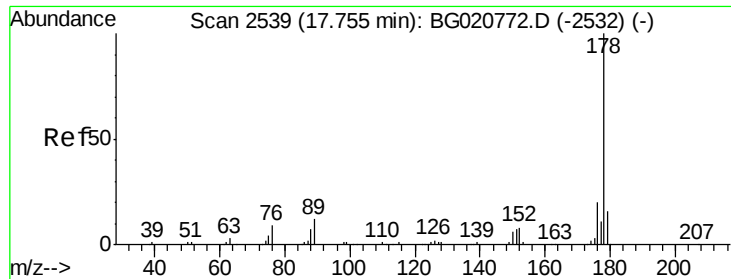


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 18.27 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. -0.09 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

Instrument :

BNA_G

ClientSampleId :

X2245

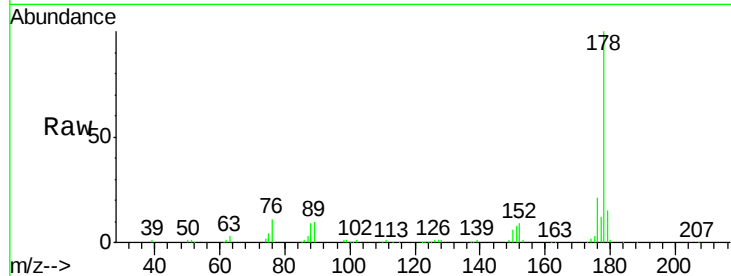
Tgt Ion:178 Resp: 125535

Ion Ratio Lower Upper

178 100

179 15.0 13.4 20.2

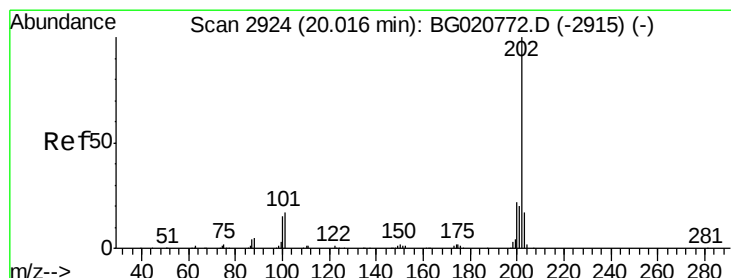
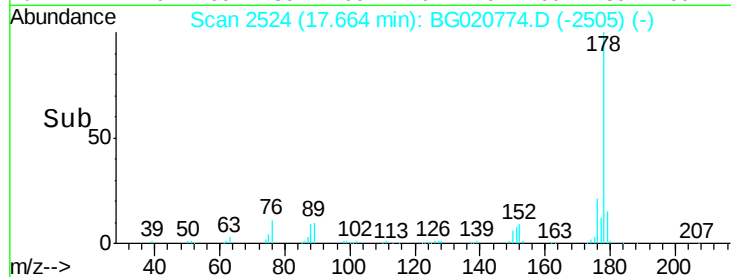
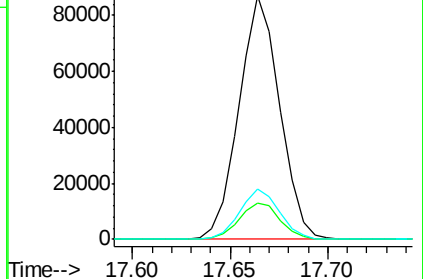
176 20.7 15.4 23.0



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



#80

Pyrene

Concen: 15.74 ng/ul

RT: 20.01 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

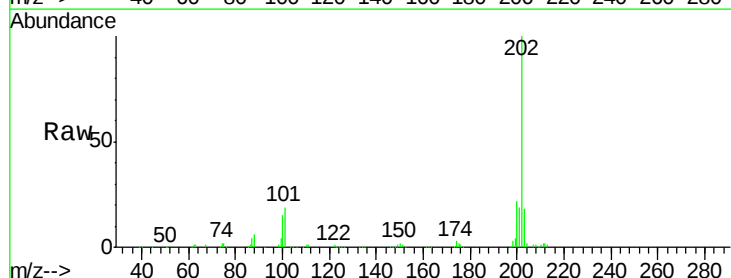
Tgt Ion:202 Resp: 120500

Ion Ratio Lower Upper

202 100

101 18.7 6.9 10.3#

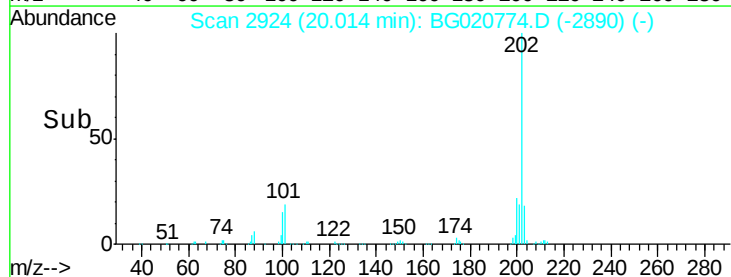
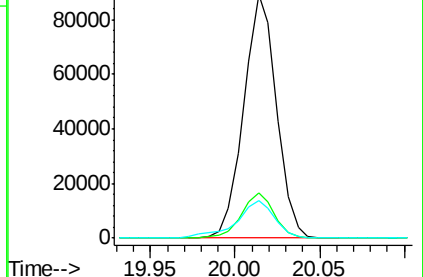
100 15.4 5.6 8.4#

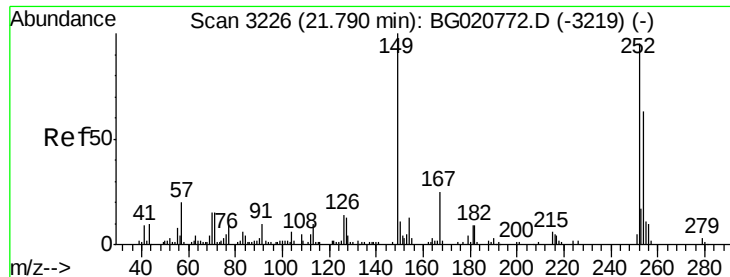


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

3,3'-Dichlorobenzidine

Concen: 20.23 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

Instrument :

BNA_G

ClientSampleId :

X2245

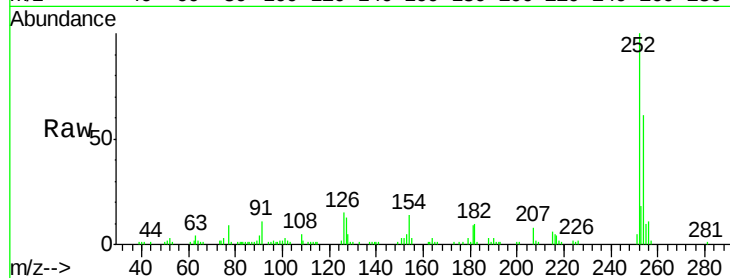
Tgt Ion:252 Resp: 43808

Ion Ratio Lower Upper

252 100

254 61.4 52.8 79.2

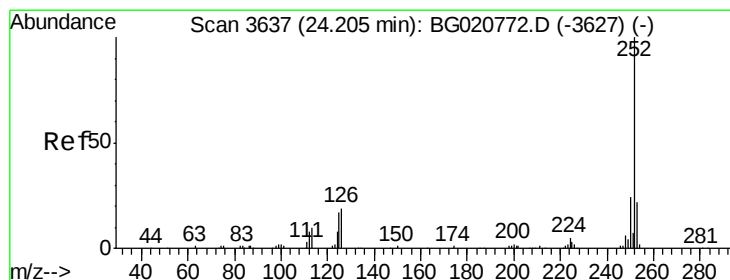
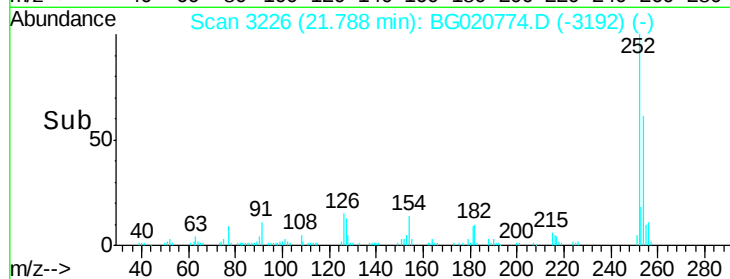
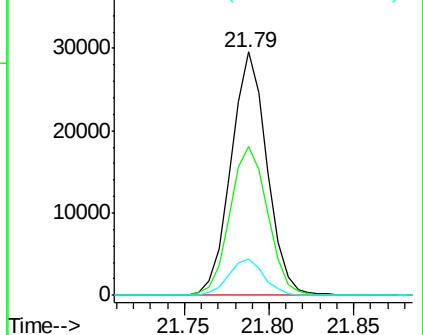
126 14.9 6.9 10.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#88

Benzo(b)fluoranthene

Concen: 1.48 ng/ul

RT: 24.17 min Scan# 3631

Delta R.T. -0.04 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

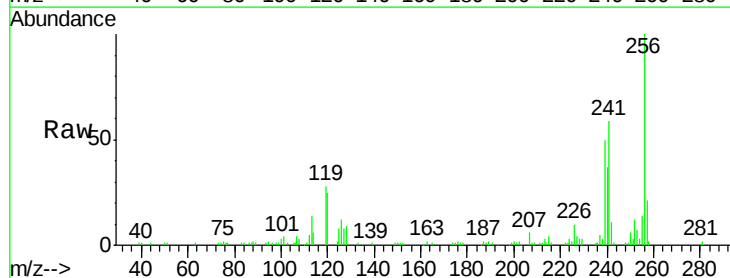
Tgt Ion:252 Resp: 9185

Ion Ratio Lower Upper

252 100

253 57.2 17.4 26.0#

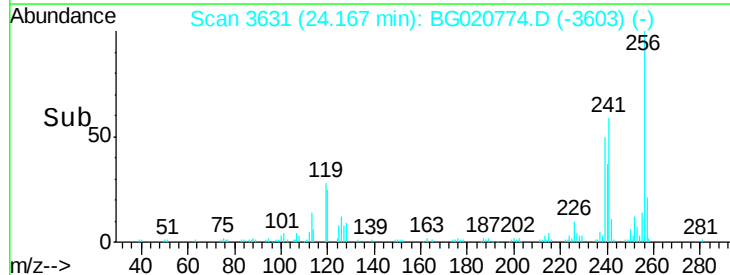
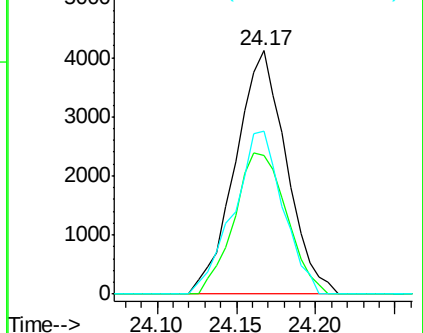
125 66.7 4.9 7.3#

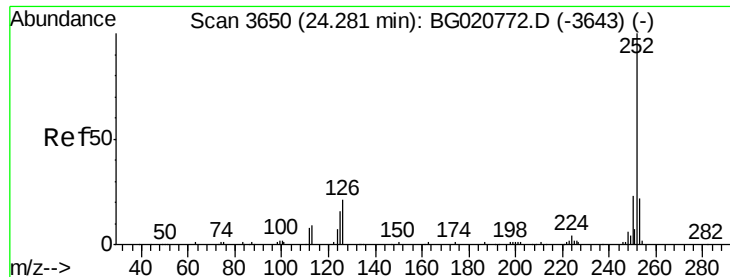


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.51 ng/ul

RT: 24.17 min Scan# 3631

Delta R.T. -0.11 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

Instrument :

BNA_G

ClientSampleId :

X2245

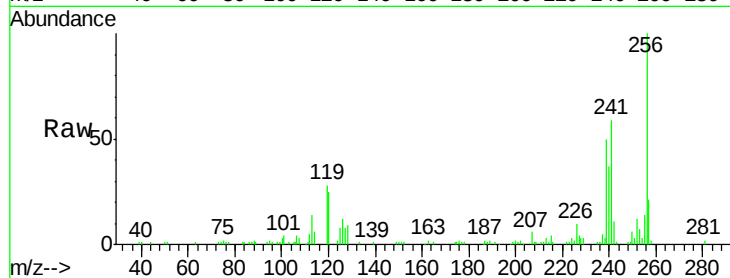
Tgt Ion:252 Resp: 9185

Ion Ratio Lower Upper

252 100

253 57.2 17.1 25.7#

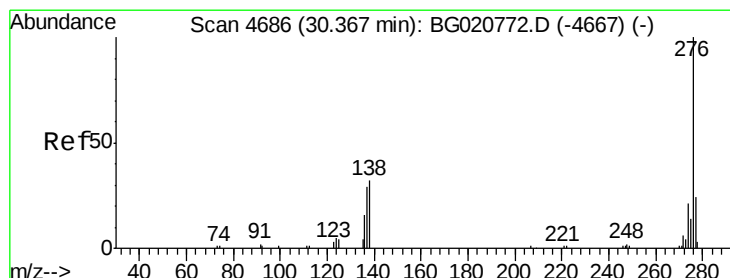
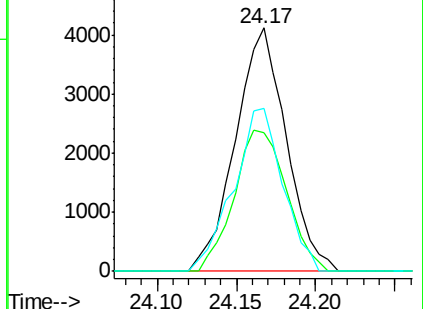
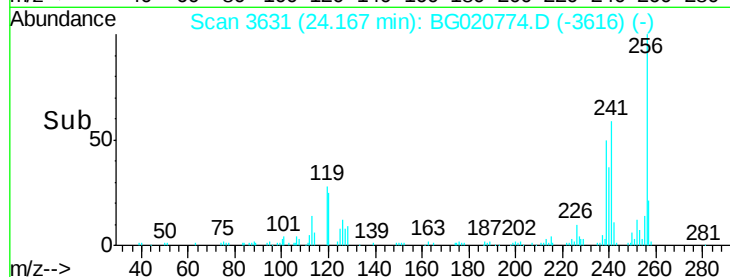
125 66.7 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#94

Benzo(g,h,i)perylene

Concen: 16.11 ng/ul

RT: 30.36 min Scan# 4686

Delta R.T. -0.00 min

Lab File: BG020774.D

Acq: 1 Feb 2016 15:32

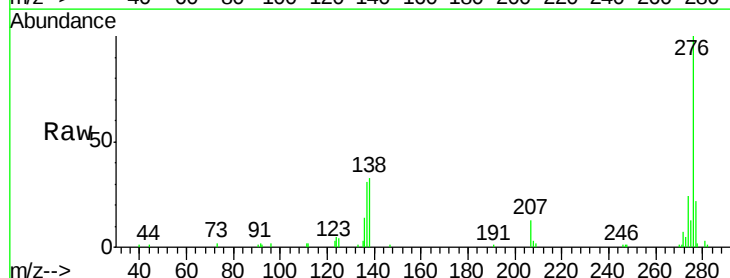
Tgt Ion:276 Resp: 92040

Ion Ratio Lower Upper

276 100

138 32.9 11.2 16.8#

277 22.4 19.0 28.6



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

