

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016178.D
 Acq On : 27 Mar 2015 16:35
 Operator : TP/IZ
 Sample : G1647-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 03:32:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 03:20:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	50795	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	236223	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	146972	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	312308	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	324055	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	314906	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	122914	27.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	64611	25.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	96480	27.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	95238	27.76	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	52655	28.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	56387	31.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	89457	26.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	129552	28.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	275237	28.72	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	361130	27.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	56581	24.72	ng/ul	0.00
57) Fluorene-d10	15.40	176	257891	26.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	28337	17.36	ng/ul	0.00
70) Anthracene-d10	17.25	188	384096	26.92	ng/ul	0.00
76) Pyrene-d10	19.54	212	407154	28.09	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	360162	26.22	ng/ul	0.00

Target Compounds

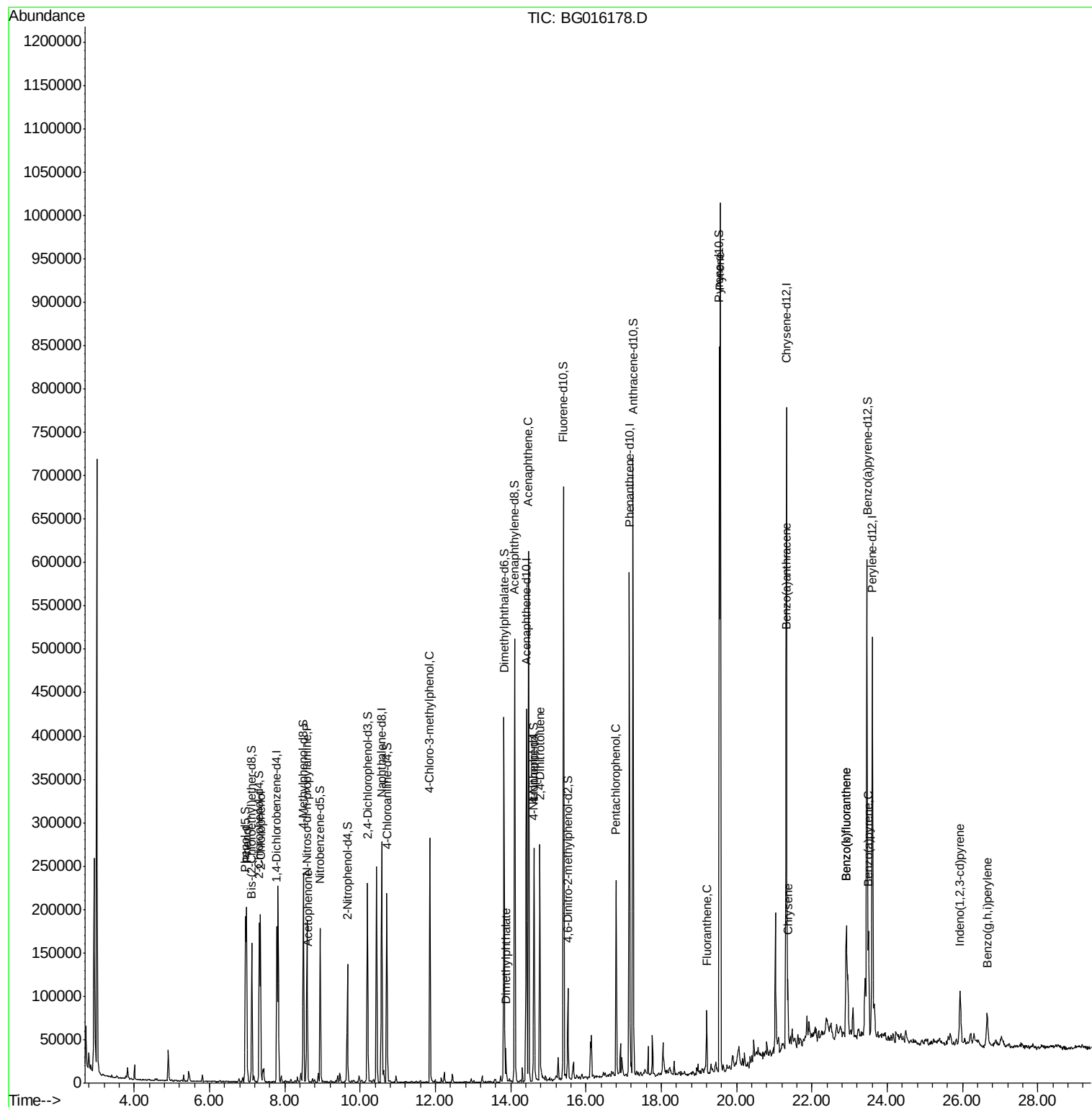
						Ovalue
6) Phenol	6.99	94	127215	25.46	ng/ul	100
10) 2-Chlorophenol	7.36	128	94939	25.34	ng/ul	98
14) Acetophenone	8.61	105	8529	1.57	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.59	70	70517	23.98	ng/ul	97
33) 4-Chloro-3-methylphenol	11.86	107	100610	27.00	ng/ul	96
44) Dimethylphthalate	13.87	163	24968	2.30	ng/ul	98
49) Acenaphthene	14.48	153	246030	24.58	ng/ul	99
52) 4-Nitrophenol	14.63	109	29095	23.27	ng/ul	93
54) 2,4-Dinitrotoluene	14.77	165	84666	26.10	ng/ul	100
68) Pentachlorophenol	16.80	266	40497	20.30	ng/ul	97
74) Fluoranthene	19.20	202	39045	1.95	ng/ul	98
77) Pyrene	19.57	202	569974	28.59	ng/ul	99
80) Benzo(a)anthracene	21.31	228	44610	2.43	ng/ul	95
82) Chrysene	21.36	228	40670	2.33	ng/ul	97
85) Benzo(b)fluoranthene	22.92	252	105501	5.84	ng/ul	97
86) Benzo(k)fluoranthene	22.92	252	42409	2.38	ng/ul	96
88) Benzo(a)pyrene	23.50	252	77675	4.31	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.94	276	59186	2.84	ng/ul	94
91) Benzo(g,h,i)perylene	26.65	276	45704	2.61	ng/ul	99

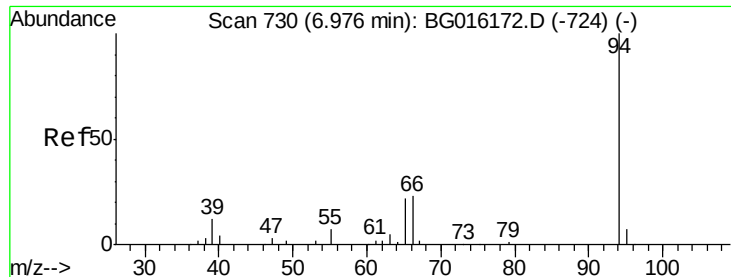
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 25.46 ng/ul

RT: 6.99 min Scan# 731

Delta R.T. 0.01 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Instrument :

BNA_G

ClientSampled :

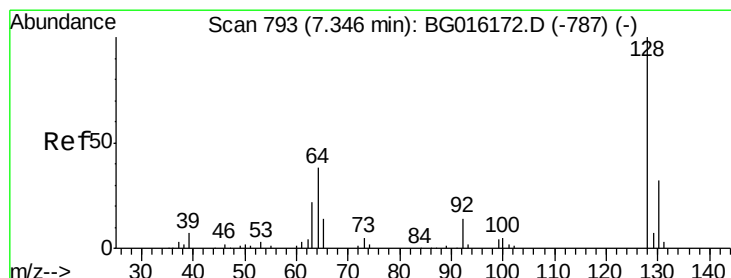
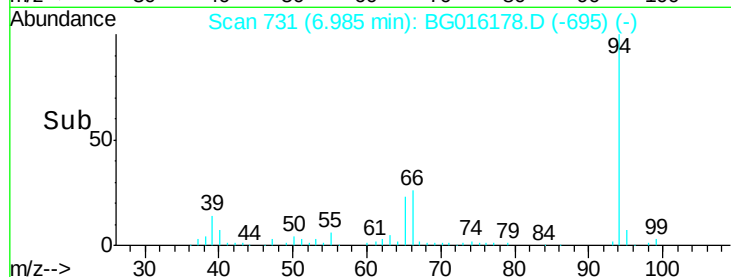
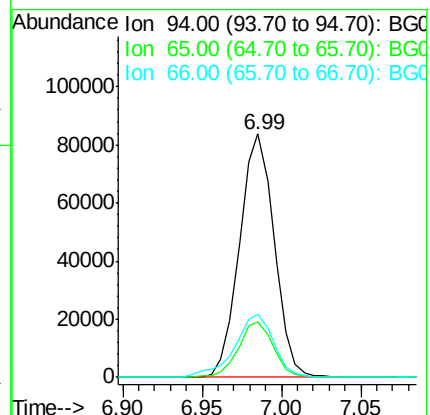
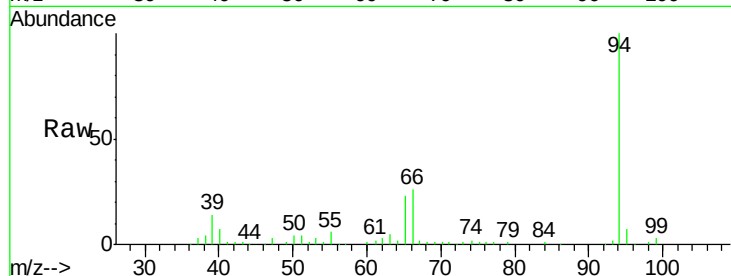
Tot Ion: 94 Resp: 127215

Ion Ratio Lower Upper

94 100

65 23.0 18.4 27.6

66 26.2 21.1 31.7



#10

2-Chlorophenol

Concen: 25.34 ng/ul

RT: 7.36 min Scan# 794

Delta R.T. 0.01 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

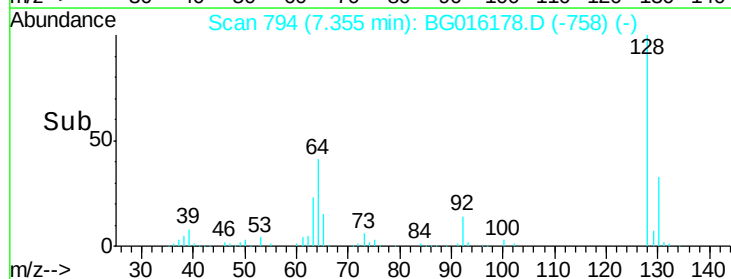
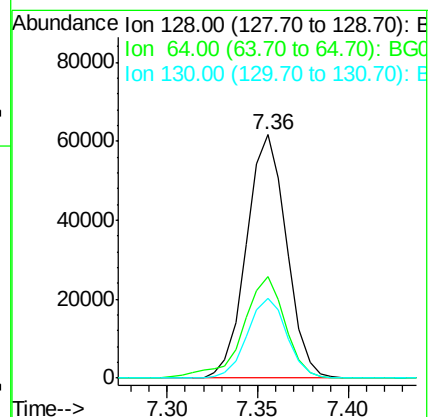
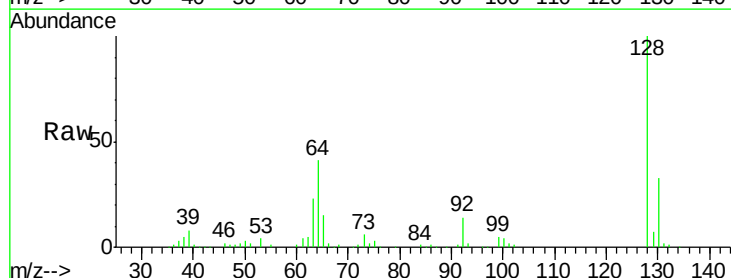
Tgt Ion:128 Resp: 94939

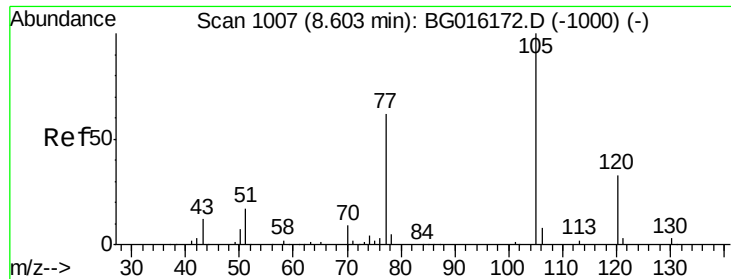
Ion Ratio Lower Upper

128 100

64 41.5 34.1 51.1

130 32.9 25.3 37.9





#14

Acetophenone

Concen: 1.57 ng/ul

RT: 8.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Instrument :

BNA_G

ClientSampled :

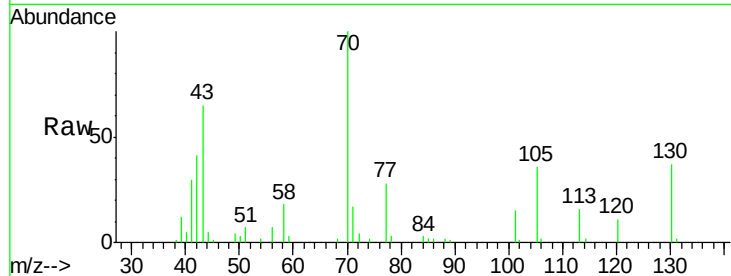
Tot Ion: 105 Resp: 8529

Ion Ratio Lower Upper

105 100

77 77.2 57.8 86.8

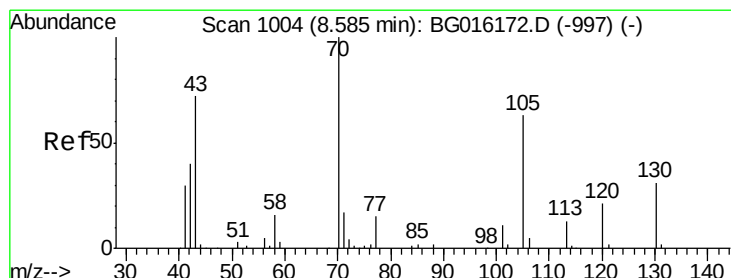
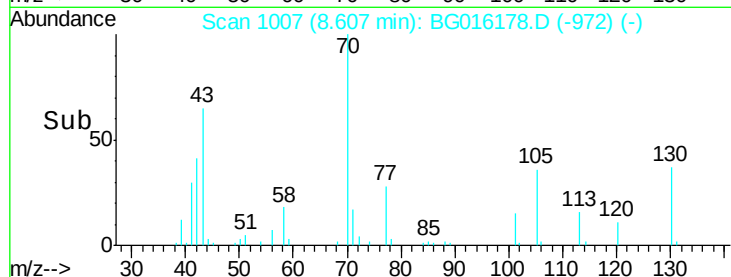
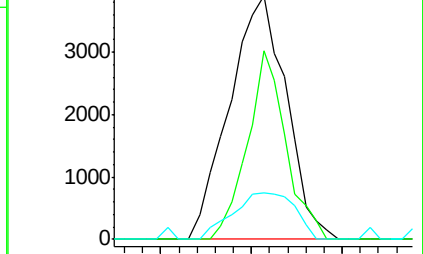
51 18.9 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 23.98 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Tgt Ion: 70 Resp: 70517

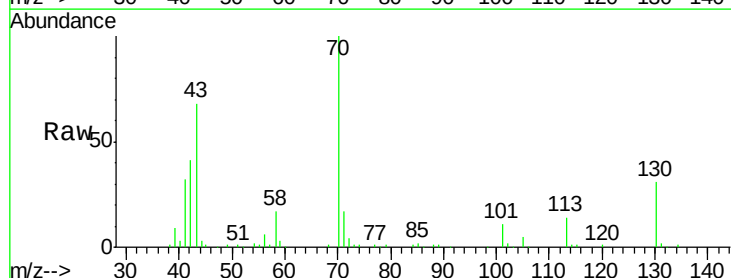
Ion Ratio Lower Upper

70 100

42 41.2 33.7 50.5

101 11.2 9.3 13.9

130 31.0 22.4 33.6

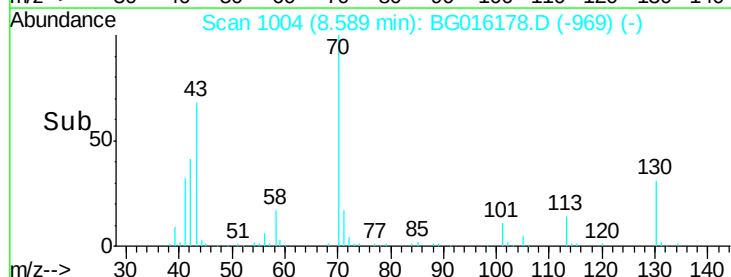
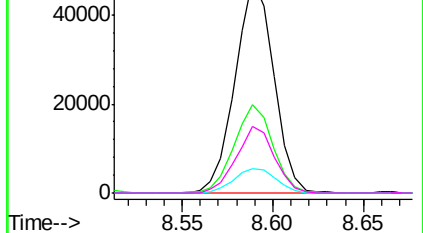


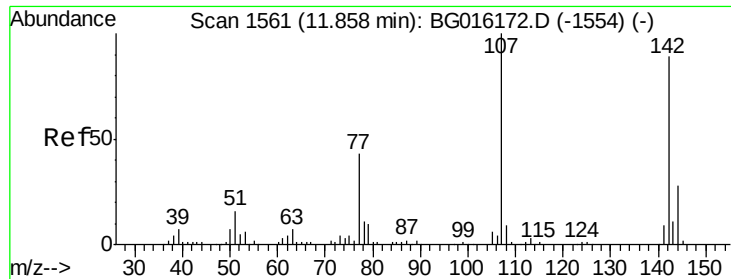
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

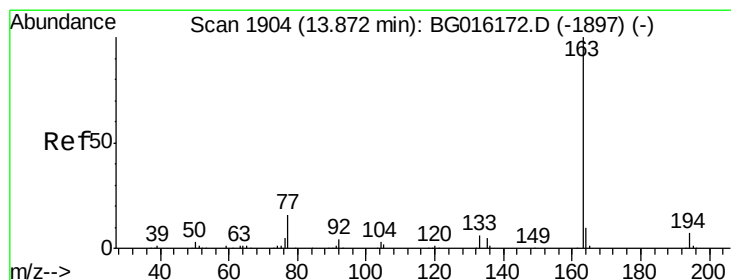
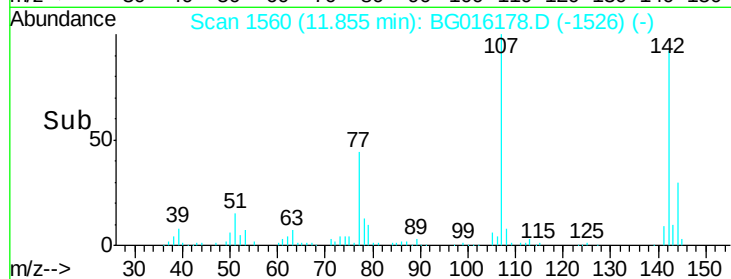
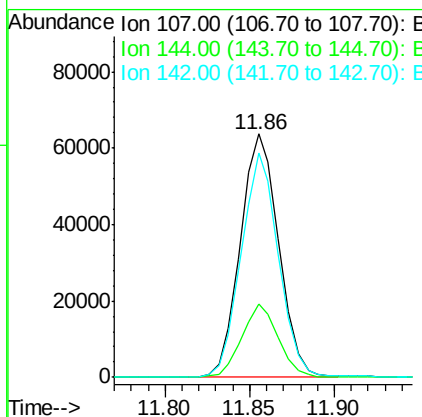
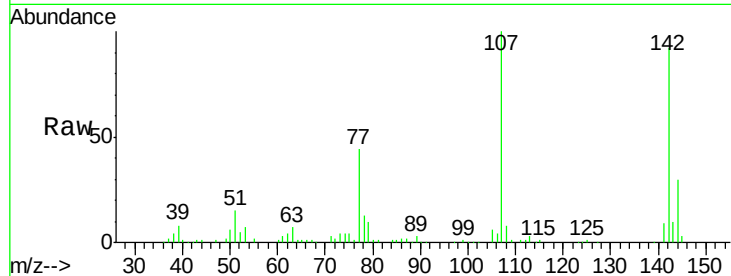




#33
 4-Chloro-3-methylphenol
 Concen: 27.00 ng/ul
 RT: 11.86 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BG016178.D
 Acq: 27 Mar 2015 16:35

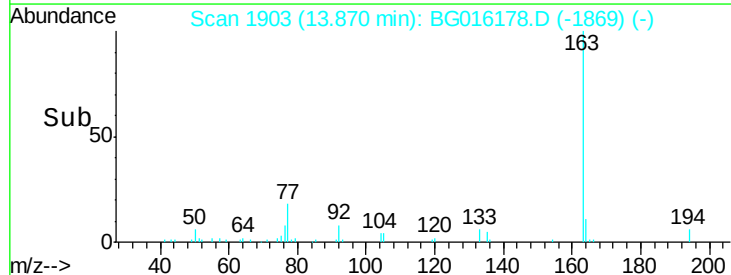
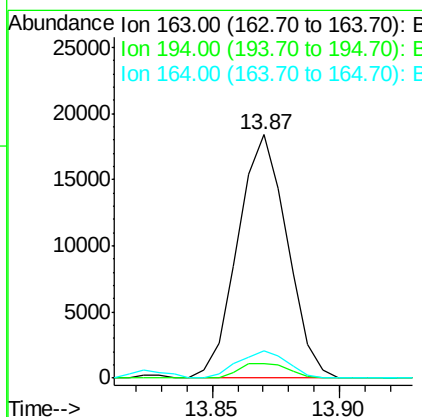
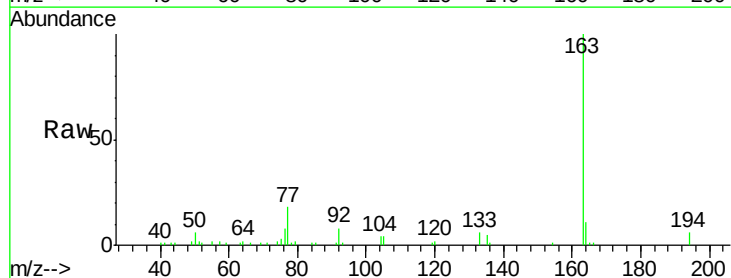
Instrument :
 BNA_G
 ClientSampleId :

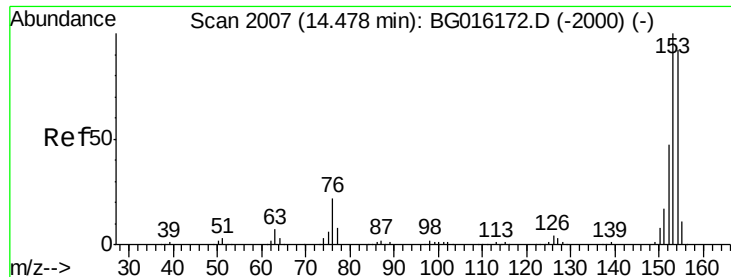
Tot Ion:107 Resp: 100610
 Ion Ratio Lower Upper
 107 100
 144 30.4 23.8 35.8
 142 92.3 69.8 104.6



#44
 Dimethylphthalate
 Concen: 2.30 ng/ul
 RT: 13.87 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: BG016178.D
 Acq: 27 Mar 2015 16:35

Tgt Ion:163 Resp: 24968
 Ion Ratio Lower Upper
 163 100
 194 6.0 5.4 8.0
 164 11.2 8.2 12.4





#49

Acenaphthene

Concen: 24.58 ng/ul

RT: 14.48 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Instrument :

BNA_G

ClientSampled :

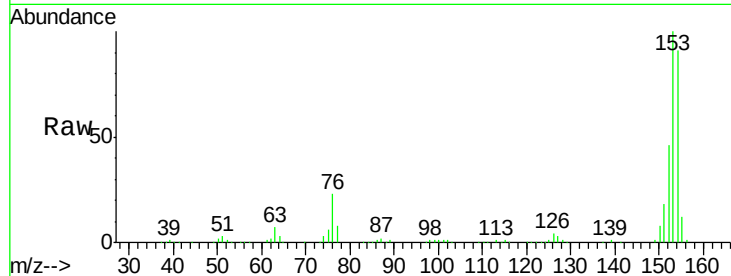
Tot Ion:153 Resp: 246030

Ion Ratio Lower Upper

153 100

152 46.4 37.4 56.2

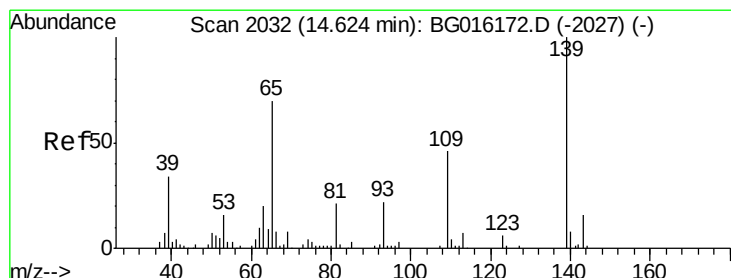
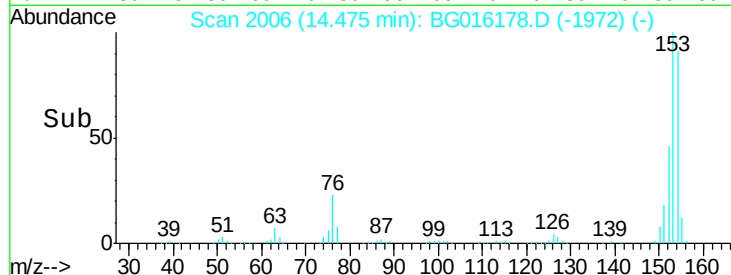
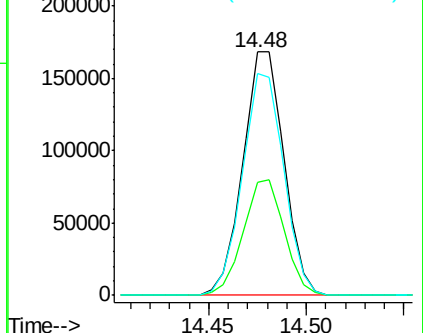
154 91.2 74.4 111.6



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



#52

4-Nitrophenol

Concen: 23.27 ng/ul

RT: 14.63 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

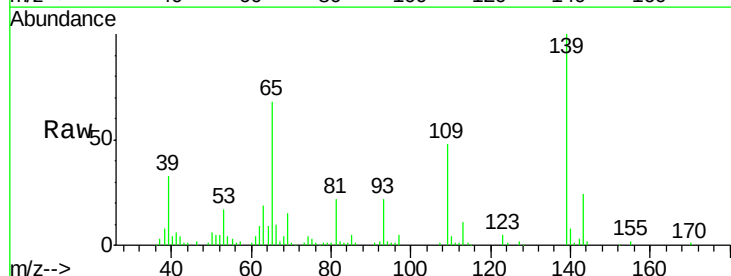
Tgt Ion:109 Resp: 29095

Ion Ratio Lower Upper

109 100

139 210.3 162.7 244.1

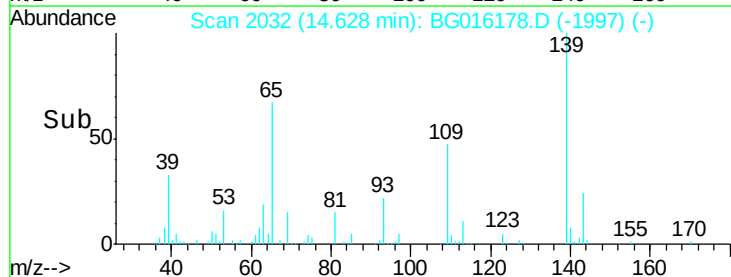
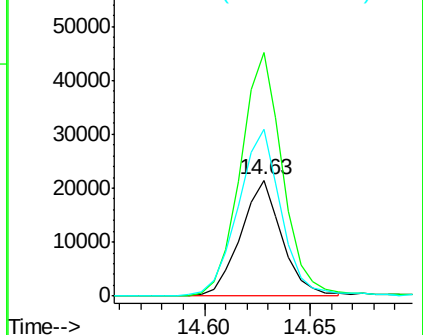
65 144.0 124.8 187.2

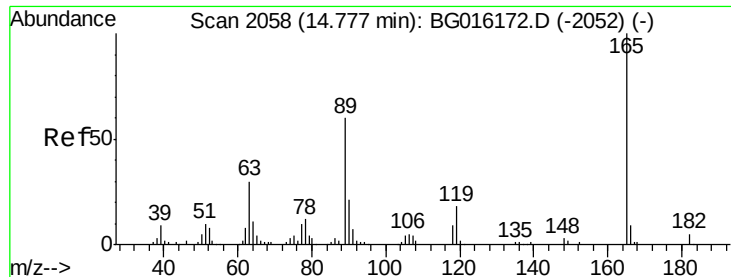


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

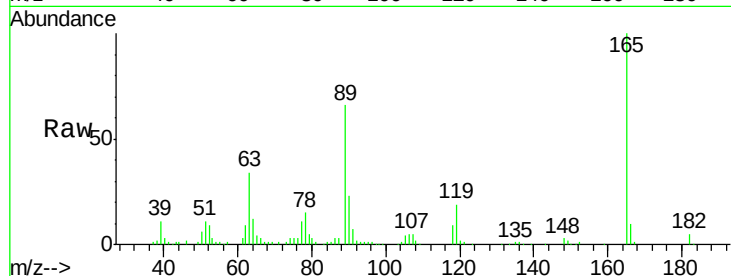




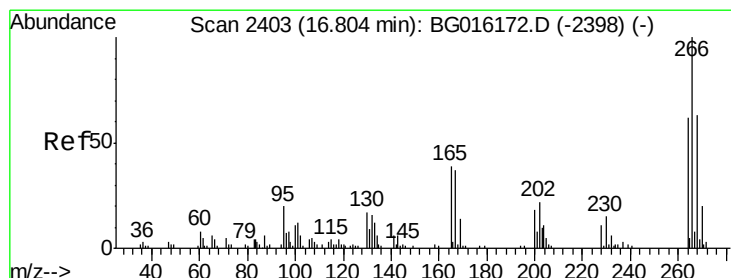
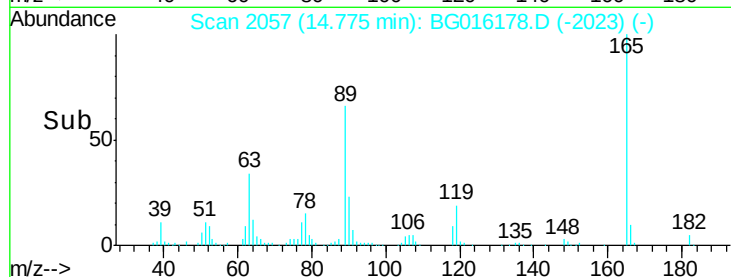
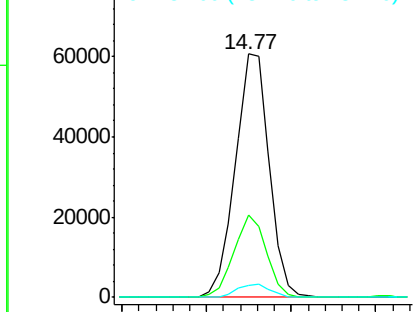
#54
 2,4-Dinitrotoluene
 Concen: 26.10 ng/ul
 RT: 14.77 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: BG016178.D
 Acq: 27 Mar 2015 16:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	33.9	27.1	40.7
182	4.8	3.9	5.9

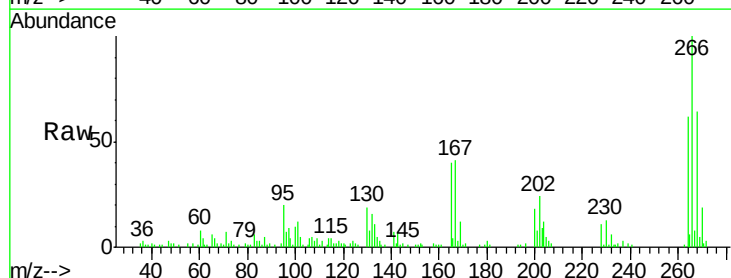


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 182.00 (181.70 to 182.70): E

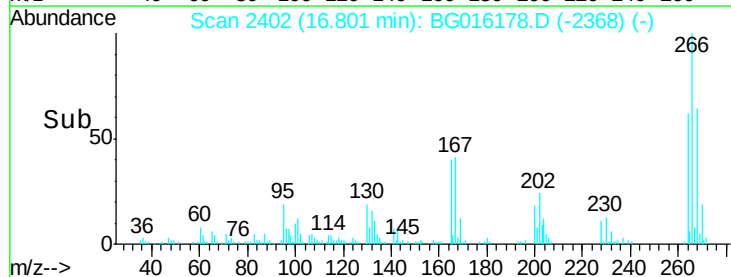
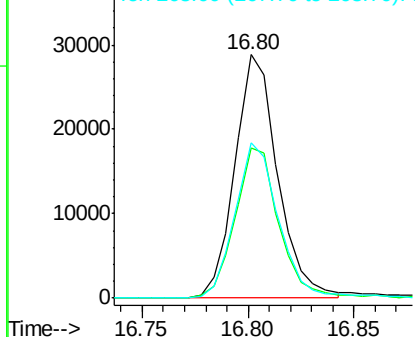


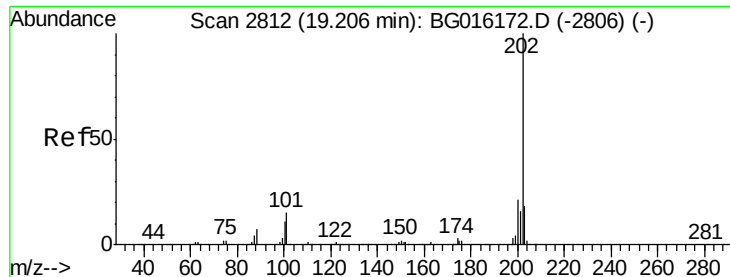
#68
 Pentachlorophenol
 Concen: 20.30 ng/ul
 RT: 16.80 min Scan# 2402
 Delta R.T. -0.00 min
 Lab File: BG016178.D
 Acq: 27 Mar 2015 16:35

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.2	73.8
268	64.0	47.6	71.4



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#74

Fluoranthene

Concen: 1.95 ng/ul

RT: 19.20 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Instrument :

BNA_G

ClientSampleId :

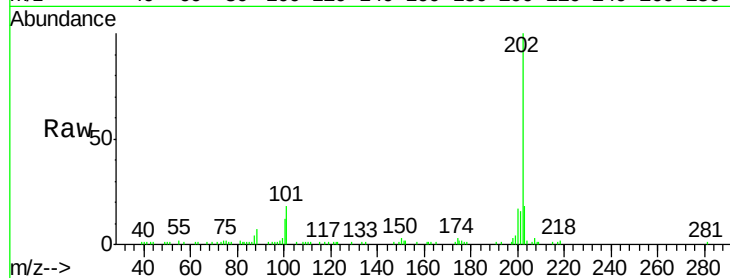
Tot Ion:202 Resp: 39045

Ion Ratio Lower Upper

202 100

101 17.5 12.9 19.3

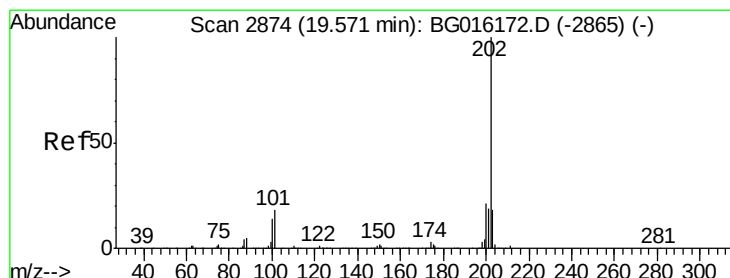
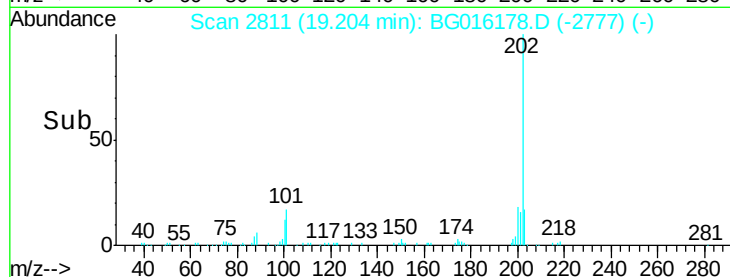
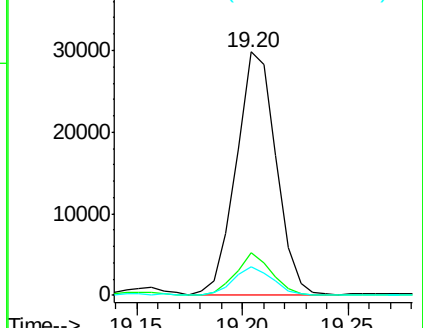
100 11.8 9.4 14.2



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



#77

Pyrene

Concen: 28.59 ng/ul

RT: 19.57 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

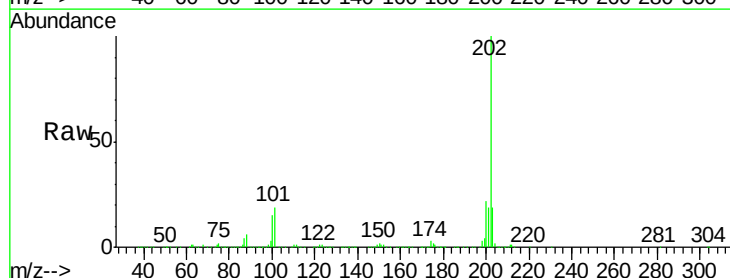
Tgt Ion:202 Resp: 569974

Ion Ratio Lower Upper

202 100

101 18.7 14.6 21.8

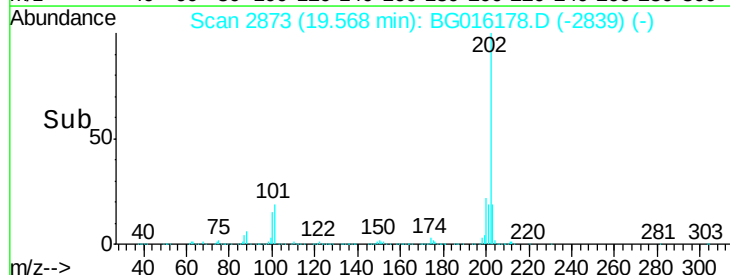
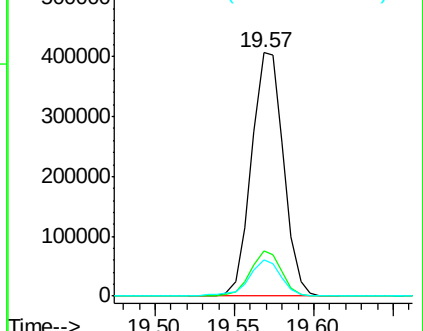
100 15.1 12.1 18.1

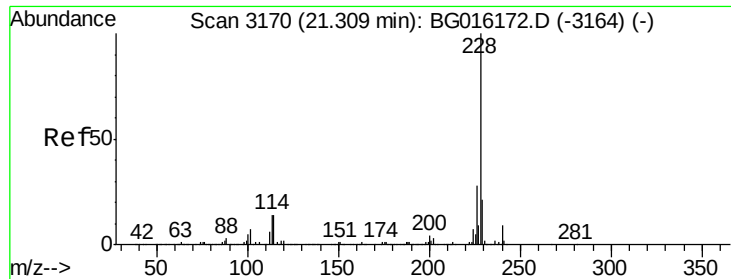


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

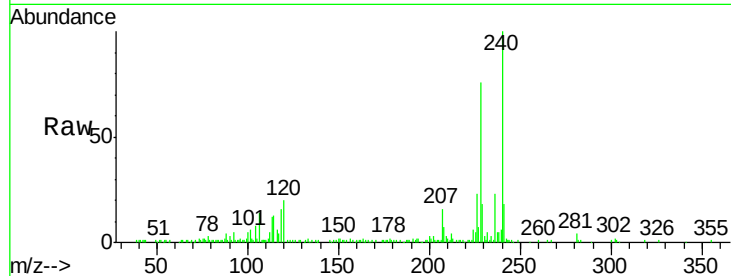




#80
Benzo(a)anthracene
Concen: 2.43 ng/ul
RT: 21.31 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.2	24.4
226	30.5	22.4	33.6

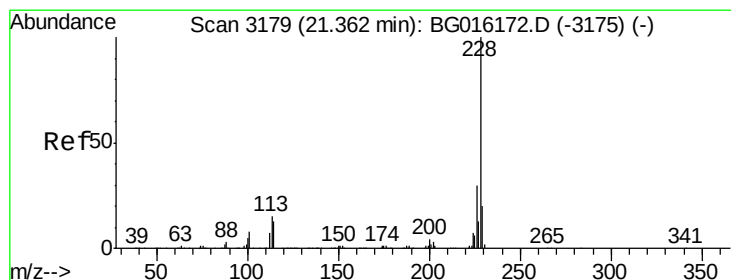
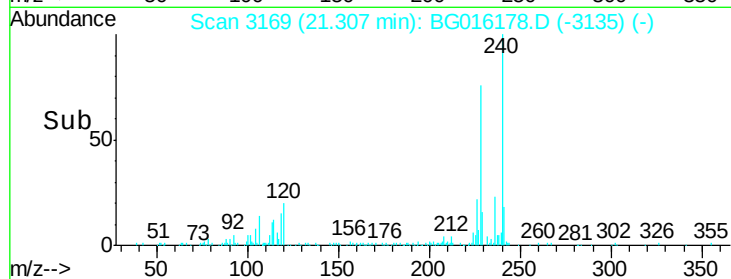
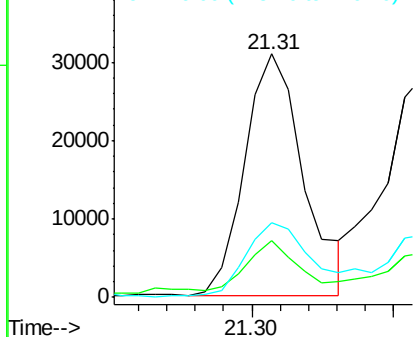


Abundance

Ion 228.00 (227.70 to 228.70): E

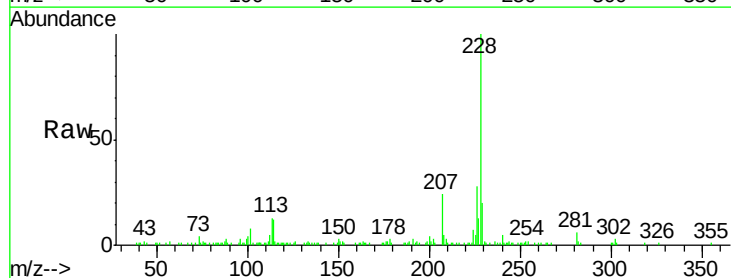
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82
Chrysene
Concen: 2.33 ng/ul
RT: 21.36 min Scan# 3178
Delta R.T. -0.00 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.6	36.8
229	20.5	16.6	25.0

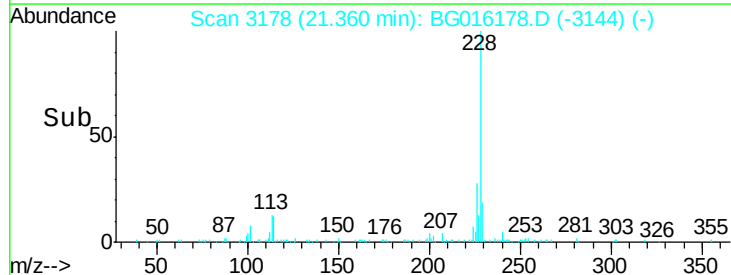
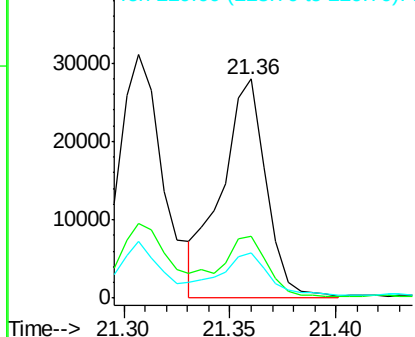


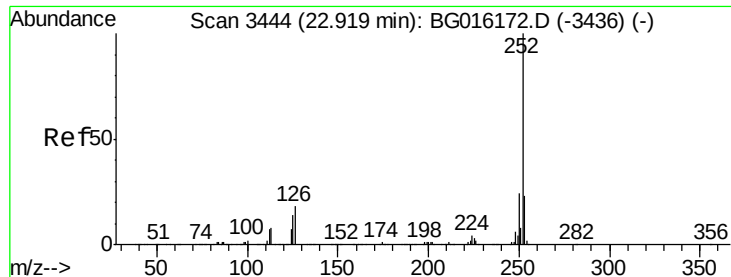
Abundance

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

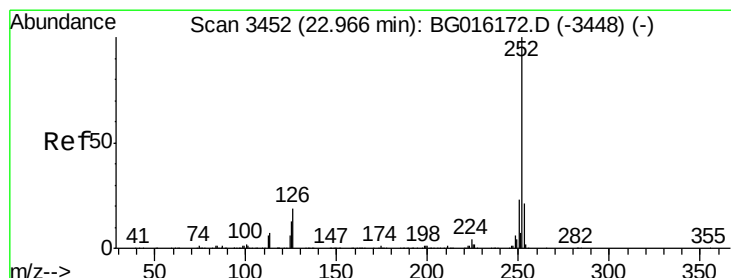
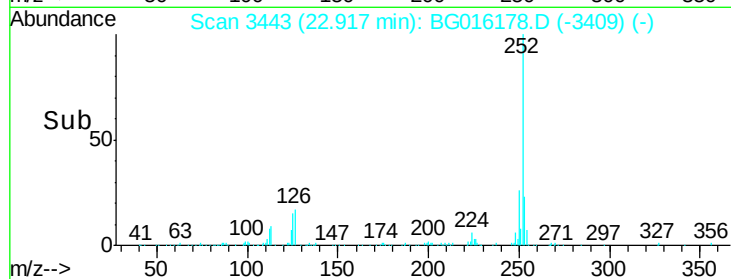
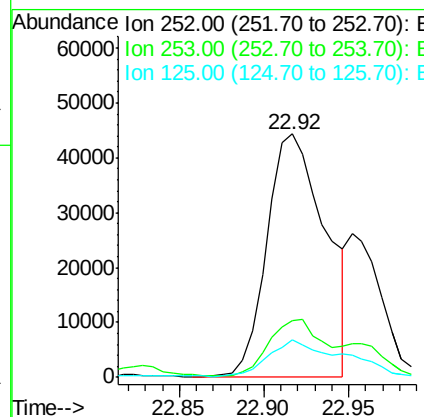
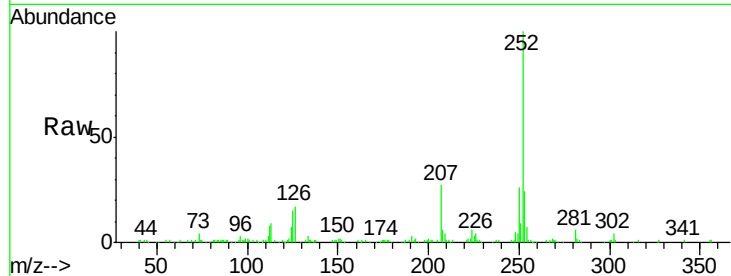




#85
Benzo(b)fluoranthene
Concen: 5.84 ng/ul
RT: 22.92 min Scan# 3443
Delta R.T. -0.00 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

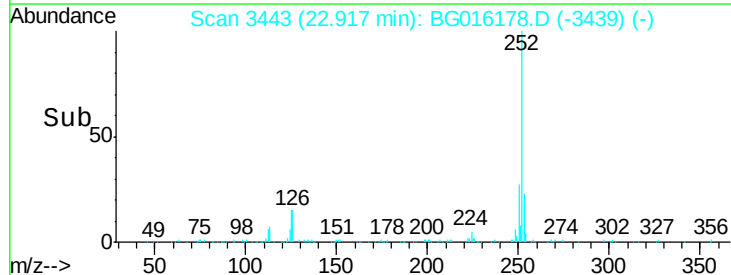
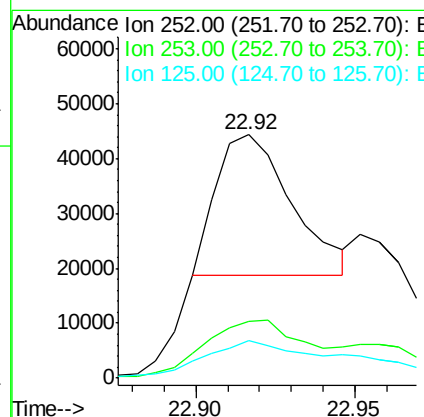
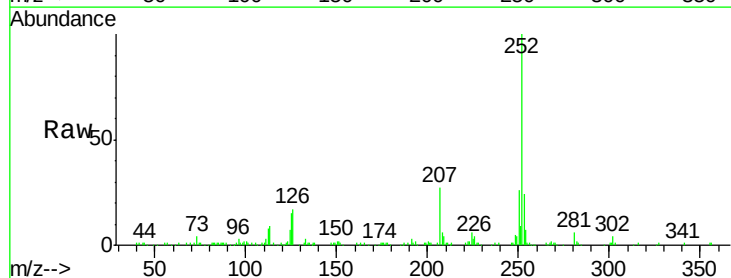
Instrument :
BNA_G
ClientSampled :

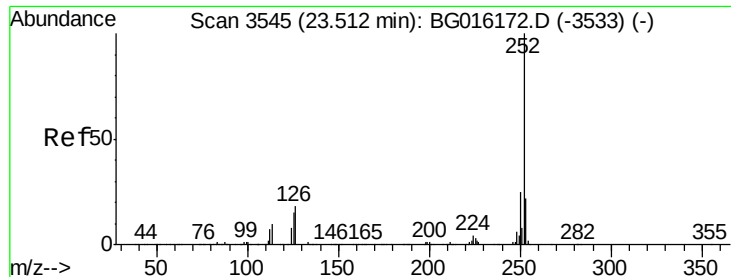
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	15.5	11.0	16.6



#86
Benzo(k)fluoranthene
Concen: 2.38 ng/ul
RT: 22.92 min Scan# 3443
Delta R.T. -0.05 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	15.5	10.7	16.1

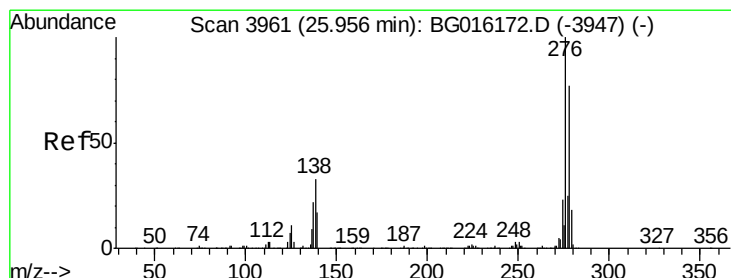
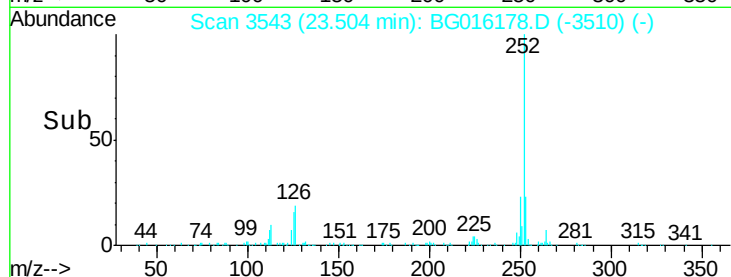
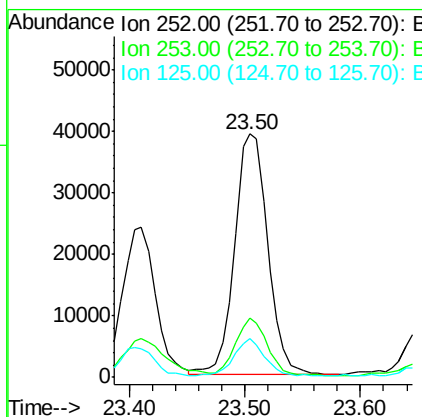
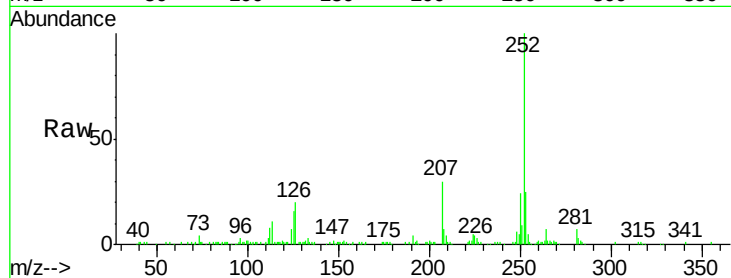




#88
Benzo(a)pyrene
Concen: 4.31 ng/ul
RT: 23.50 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

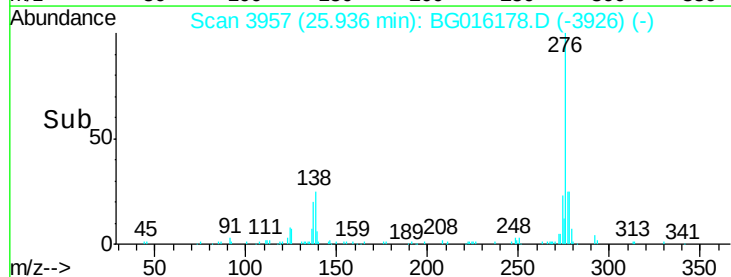
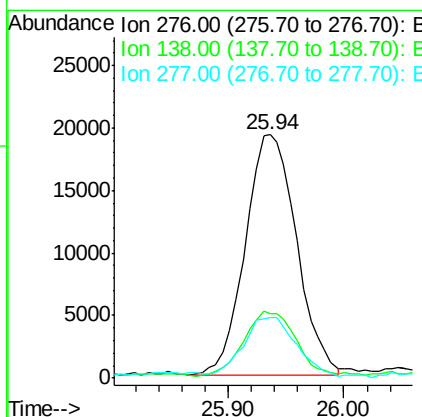
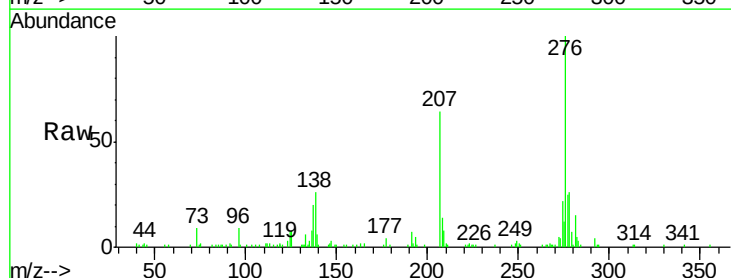
Instrument :
BNA_G
ClientSampleId :

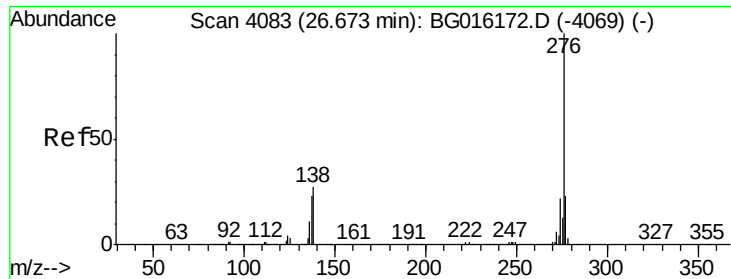
Tot Ion:252 Resp: 77675
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 16.1 11.5 17.3



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.84 ng/ul
RT: 25.94 min Scan# 3957
Delta R.T. -0.02 min
Lab File: BG016178.D
Acq: 27 Mar 2015 16:35

Tgt Ion:276 Resp: 59186
Ion Ratio Lower Upper
276 100
138 26.2 26.1 39.1
277 24.9 20.0 30.0





#91

Benzo(a,h,i)perylene

Concen: 2.61 ng/ul

RT: 26.65 min Scan# 4079

Delta R.T. -0.02 min

Lab File: BG016178.D

Acq: 27 Mar 2015 16:35

Instrument :

BNA_G

ClientSampleId :

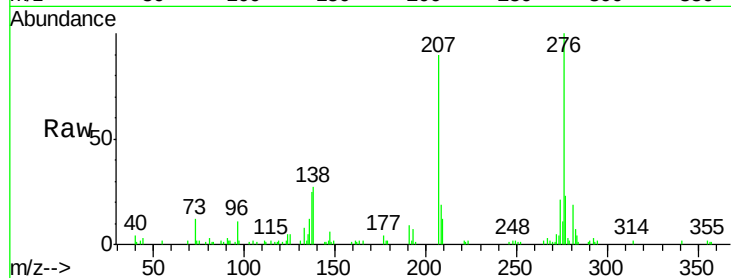
Tot Ion: 276 Resp: 45704

Ion Ratio Lower Upper

276 100

138 27.0 22.0 33.0

277 23.4 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

