

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
 Data File : BG019025.D
 Acq On : 5 Oct 2015 11:39
 Operator : UM/NP
 Sample : G3798-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9G57

Quant Time: Oct 06 16:47:54 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG100415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 06 03:29:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26021	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	110181	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	68729	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	164796	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	211624	20.00	ng/ul	0.00
86) Perylene-d12	24.90	264	207499	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	2623	4.56	ng/uL	0.00
5) Phenol-d5	7.20	99	69412	30.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	46203	31.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	52311	31.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	57255	32.48	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	27811	33.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	29853	34.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	56852	33.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	7297	3.49	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	196178	36.20	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	232353	34.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	38753	35.40	ng/ul	0.00
58) Fluorene-d10	15.66	176	177965	36.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	25989	29.07	ng/ul	0.00
71) Anthracene-d10	17.51	188	294469	37.95	ng/ul	0.00
79) Pyrene-d10	19.79	212	369661	37.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	419384	39.50	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.19	77	53658	40.39	ng/ul 95
10) 2-Chlorophenol	7.61	128	5081	2.91	ng/ul 95
23) 2-Nitrophenol	9.96	139	36170	39.30	ng/ul 97
28) Naphthalene	10.91	128	43762	7.67	ng/ul 96
31) Hexachlorobutadiene	11.19	225	20948	18.74	ng/ul 92
33) 4-Chloro-3-methylphenol	12.12	107	14383	7.48	ng/ul 98
37) 1,2,4,5-Tetrachlorobenzene	12.87	216	17746	7.95	ng/ul# 97
39) 2,4,6-Trichlorophenol	13.10	196	21663	14.93	ng/ul 97
41) 1,1'-Biphenyl	13.51	154	132758	23.70	ng/ul 95
45) Dimethylphthalate	14.13	163	169753	30.68	ng/ul 99
46) 2,6-Dinitrotoluene	14.24	165	18620	17.50	ng/ul 99
53) 4-Nitrophenol	14.87	109	36706	43.84	ng/ul 98
54) Dibenzofuran	15.07	168	68735	10.37	ng/ul 95
64) 4,6-Dinitro-2-methylphenol	15.78	198	17609	18.65	ng/ul 95
67) Hexachlorobenzene	16.72	284	18037	8.82	ng/ul 95
69) Pentachlorophenol	17.06	266	25484	19.85	ng/ul 96
70) Phenanthrene	17.46	178	240524	25.90	ng/ul 100
72) Anthracene	17.54	178	100058	10.69	ng/ul 99
76) Di-n-butylphthalate	18.38	149	171317	16.60	ng/ul 99
77) Fluoranthene	19.46	202	260566	24.10	ng/ul 98
80) Pyrene	19.82	202	271239	21.30	ng/ul 100
84) Bis(2-ethylhexyl)phthalate	21.58	149	158331	22.58	ng/ul 98
85) Chrysene	21.72	228	217446	18.87	ng/ul 98

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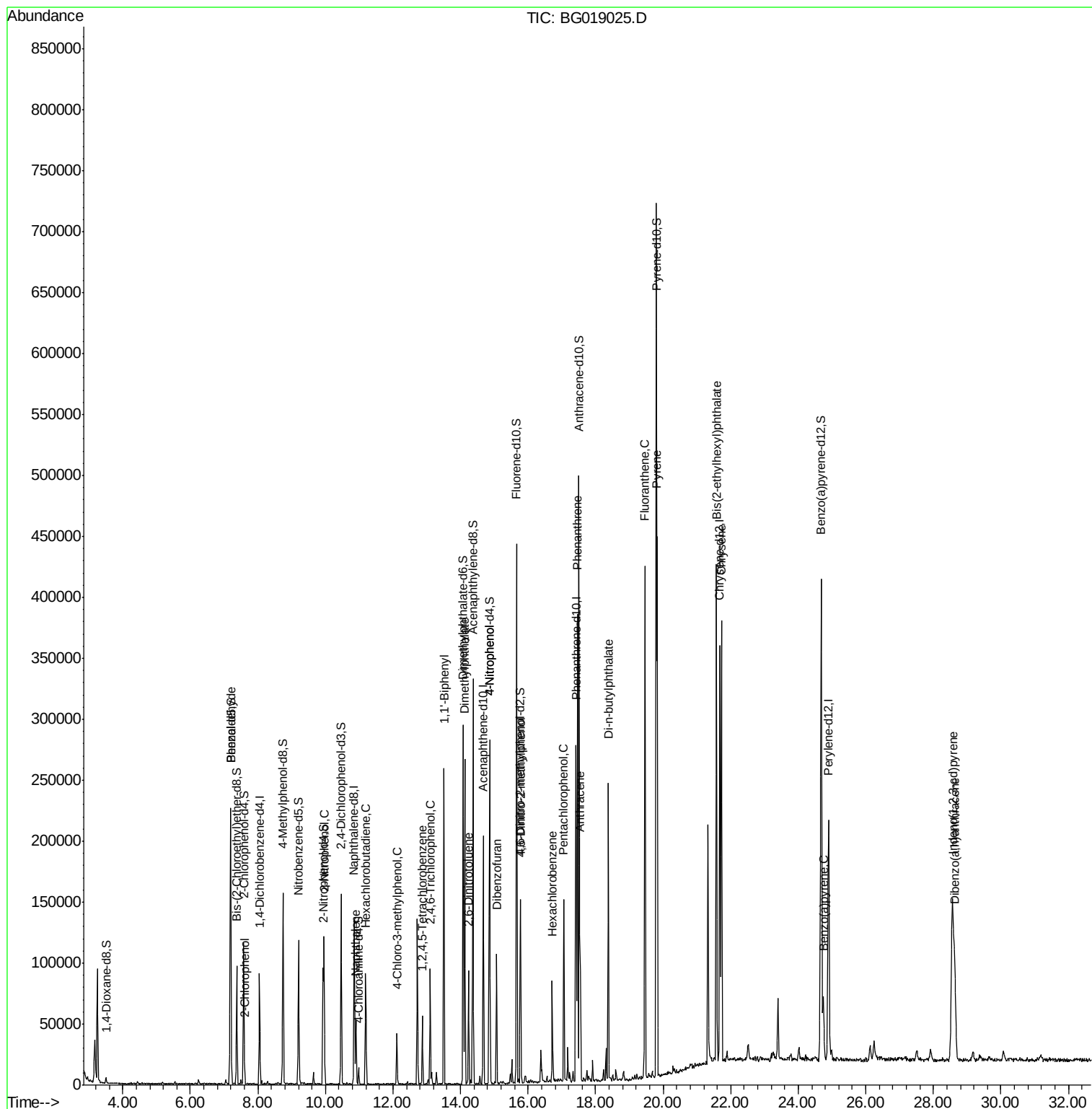
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.75	252	52523	4.44	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.56	276	254231	18.73	ng/ul	98
93) Dibenzo(a,h)anthracene	28.63	278	138397	11.80	ng/ul	98

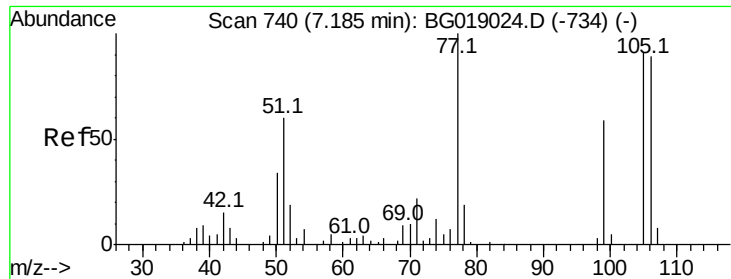
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 40.39 ng/ul

RT: 7.19 min Scan# 740

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

Instrument :

BNA_G

ClientSampleId :

D9G57

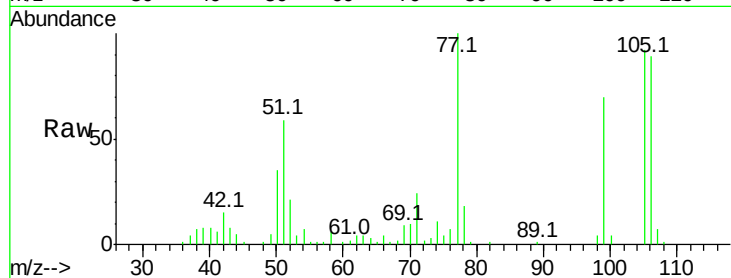
Tot Ion: 77 Resp: 53658

Ion Ratio Lower Upper

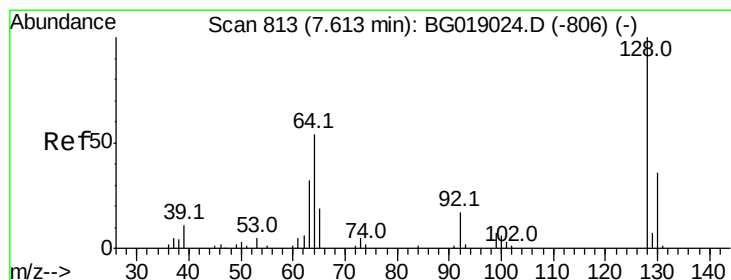
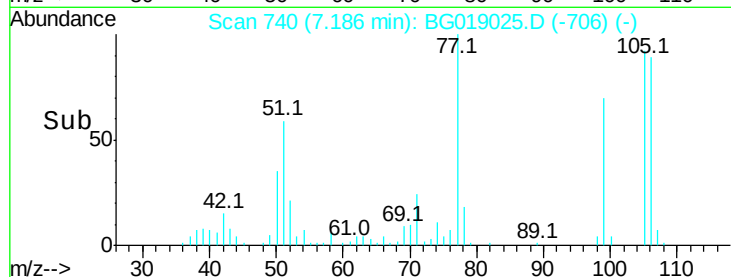
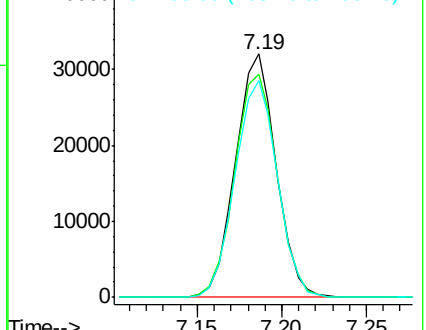
77 100

105 91.5 75.6 113.4

106 88.9 75.8 113.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

2-Chlorophenol

Concen: 2.91 ng/ul

RT: 7.61 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

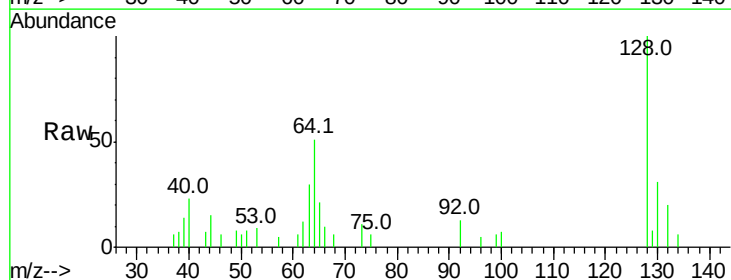
Tgt Ion: 128 Resp: 5081

Ion Ratio Lower Upper

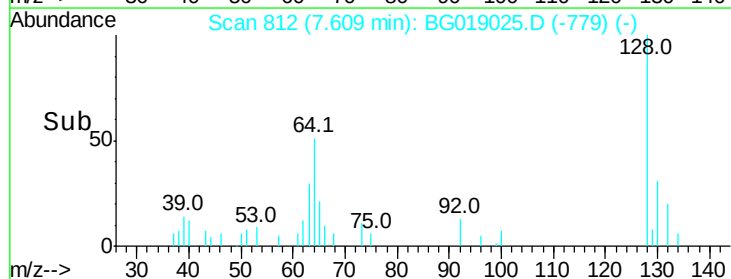
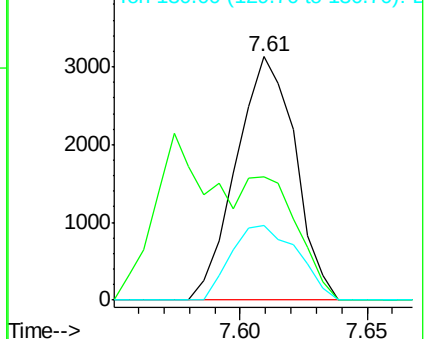
128 100

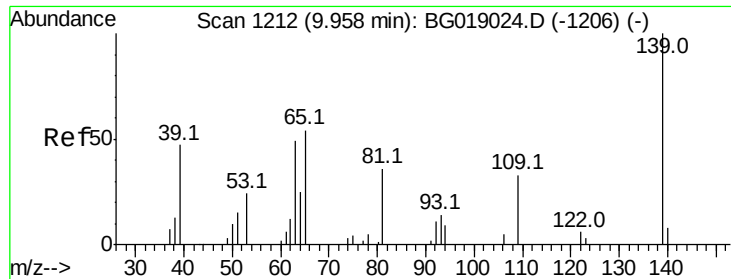
64 50.5 43.3 64.9

130 30.6 26.5 39.7



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

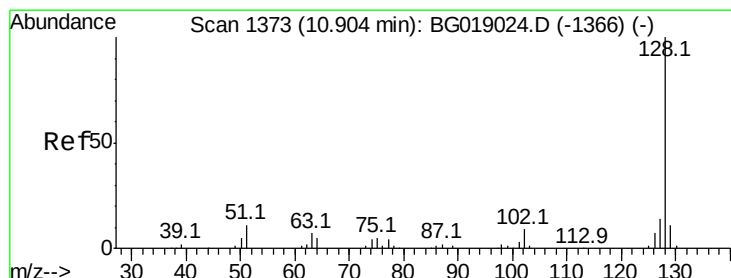
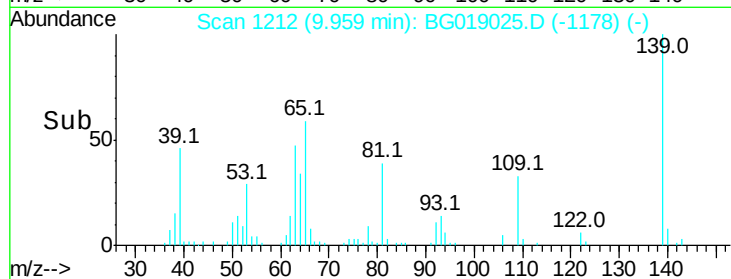
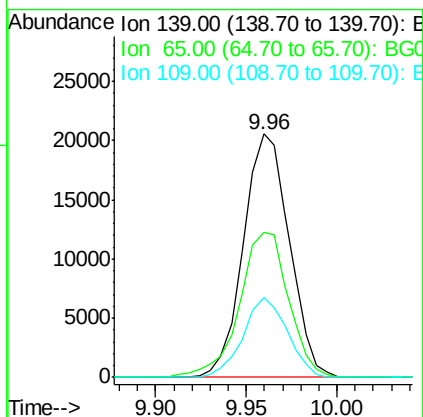
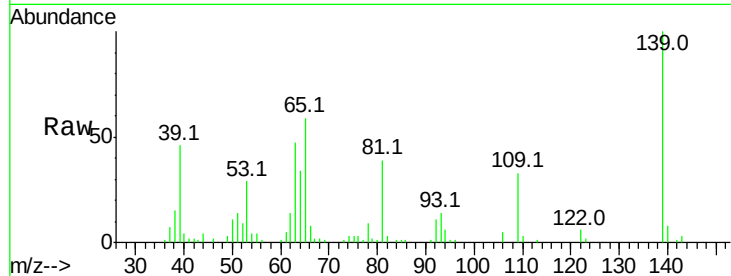




#23
 2-Nitrophenol
 Concen: 39.30 ng/ul
 RT: 9.96 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

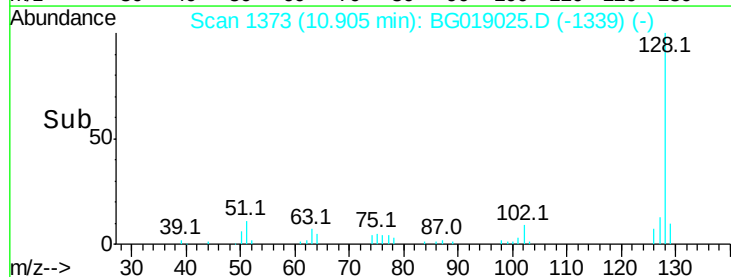
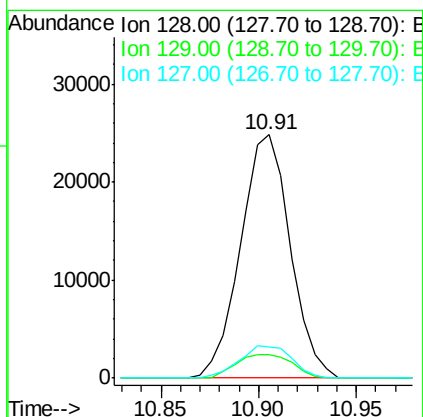
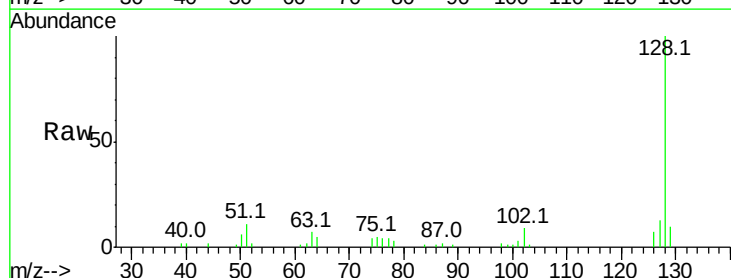
Instrument :
 BNA_G
 ClientSampleId :
 D9G57

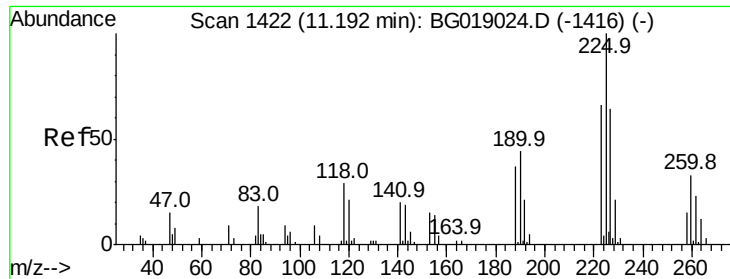
Tot Ion:139 Resp: 36170
 Ion Ratio Lower Upper
 139 100
 65 59.4 45.6 68.4
 109 32.6 24.7 37.1



#28
 Naphthalene
 Concen: 7.67 ng/ul
 RT: 10.91 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

Tgt Ion:128 Resp: 43762
 Ion Ratio Lower Upper
 128 100
 129 9.8 9.6 14.4
 127 13.0 11.3 16.9

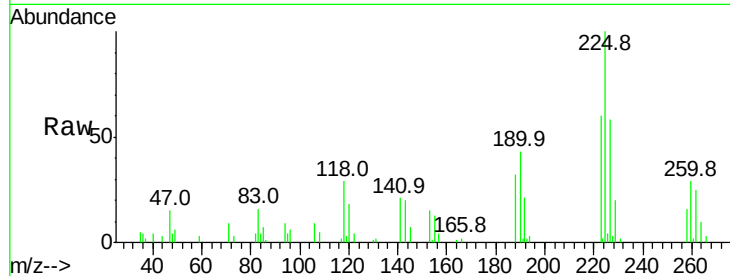




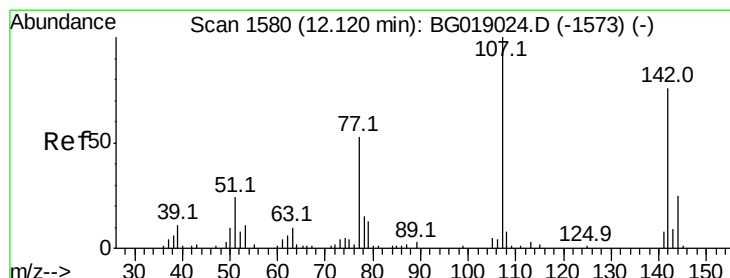
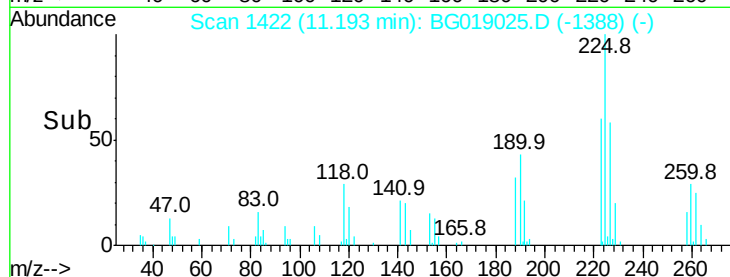
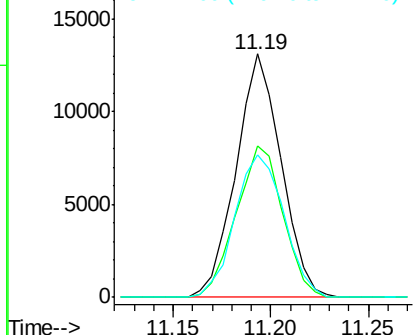
#31
Hexachlorobutadiene
Concen: 18.74 ng/ul
RT: 11.19 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Instrument :
BNA_G
ClientSampleId :
D9G57

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.3	52.6	79.0
227	58.3	54.0	81.0

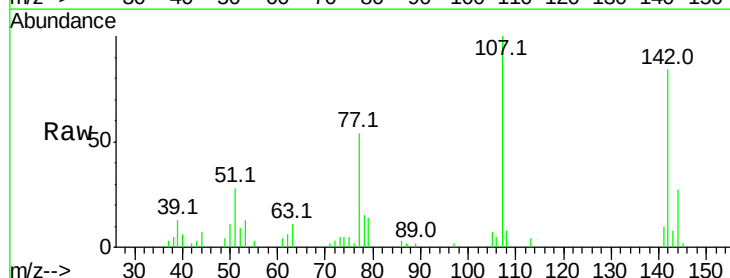


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

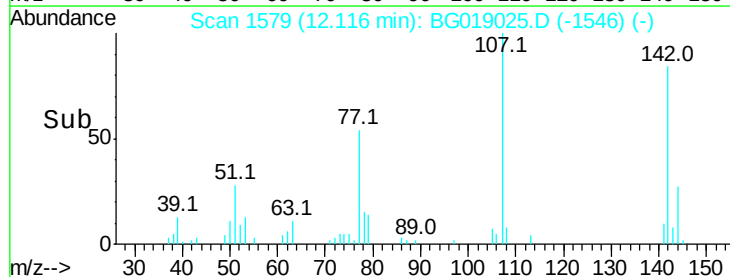
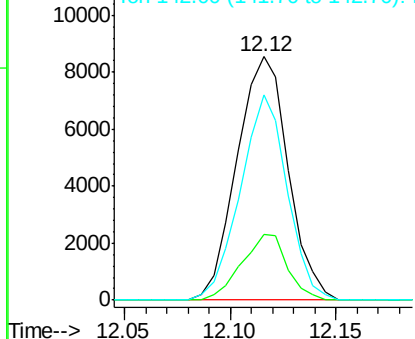


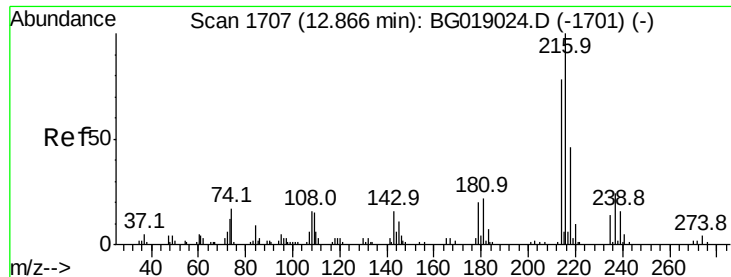
#33
4-Chloro-3-methylphenol
Concen: 7.48 ng/ul
RT: 12.12 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.9	31.3
142	84.2	65.6	98.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

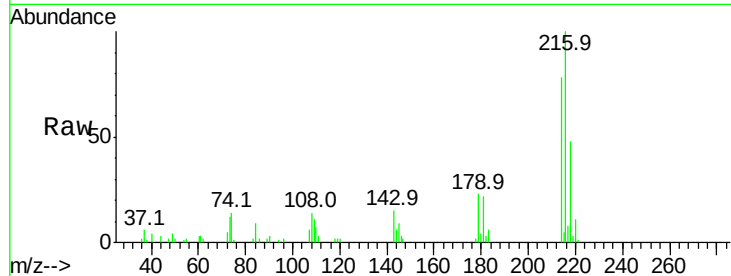




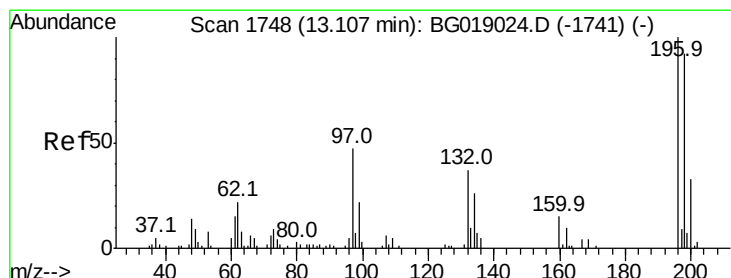
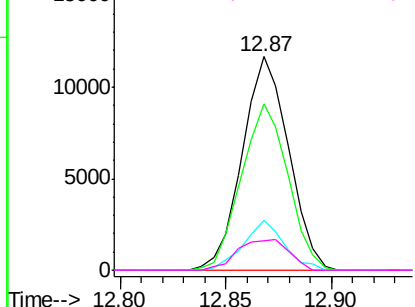
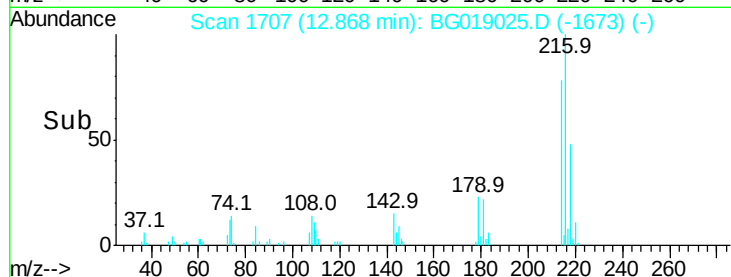
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.95 ng/ul
 RT: 12.87 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

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Tot Ion:	216	Resp:	17746
Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.6	94.0
179	23.3	14.6	22.0
108	14.0	12.9	19.3

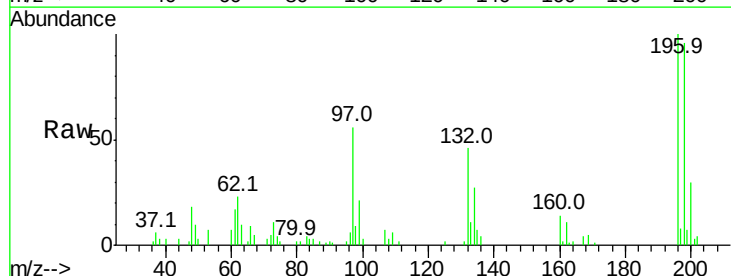


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

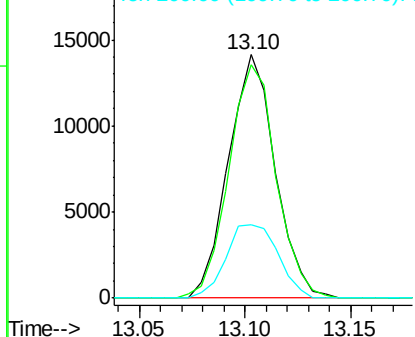
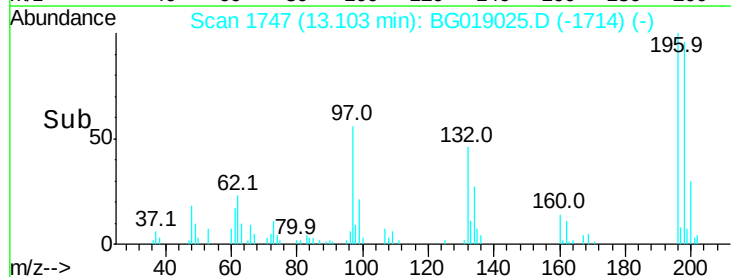


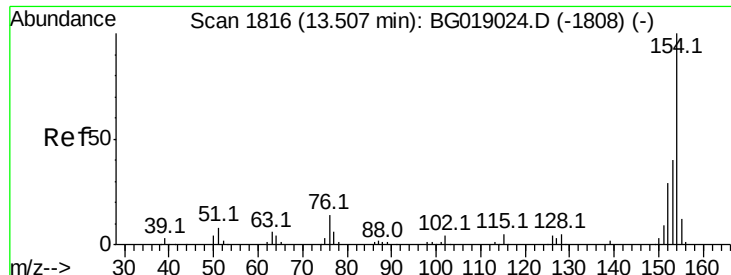
#39
 2,4,6-Trichlorophenol
 Concen: 14.93 ng/ul
 RT: 13.10 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

Tgt Ion:	196	Resp:	21663
Ion	Ratio	Lower	Upper
196	100		
198	95.8	79.0	118.6
200	29.9	25.8	38.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#41

1,1'-Biphenyl

Concen: 23.70 ng/ul

RT: 13.51 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

Instrument :

BNA_G

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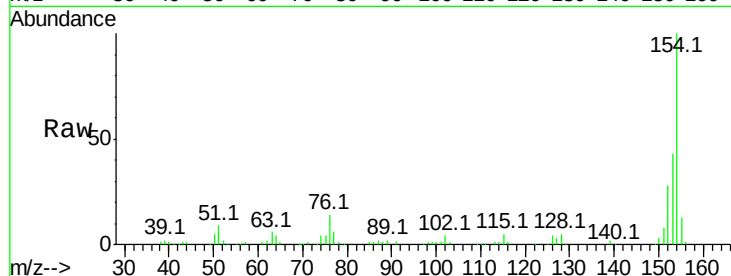
Tot Ion:154 Resp: 132758

Ion Ratio Lower Upper

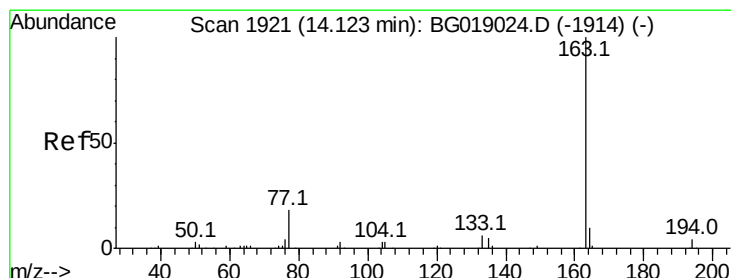
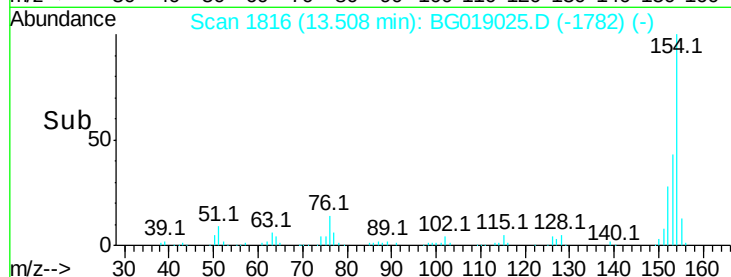
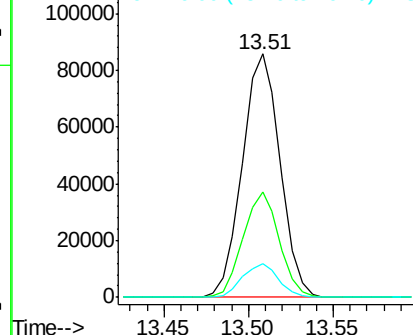
154 100

153 43.1 31.4 47.0

76 14.0 10.8 16.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B



#45

Dimethylphthalate

Concen: 30.68 ng/ul

RT: 14.13 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

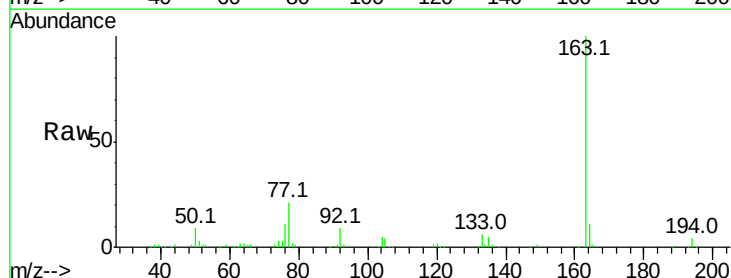
Tgt Ion:163 Resp: 169753

Ion Ratio Lower Upper

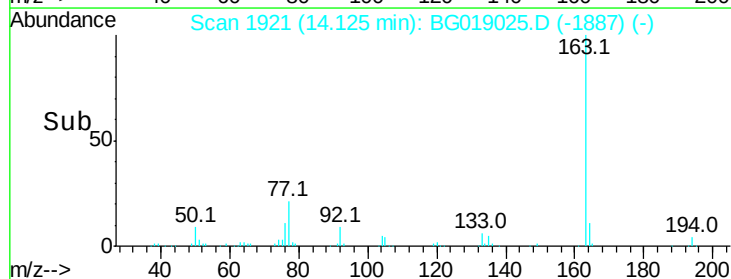
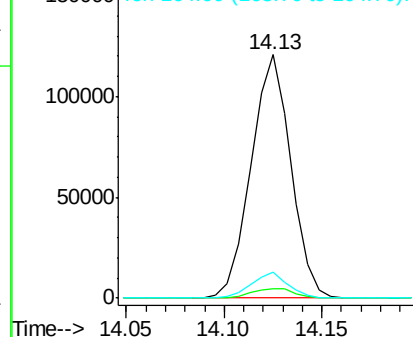
163 100

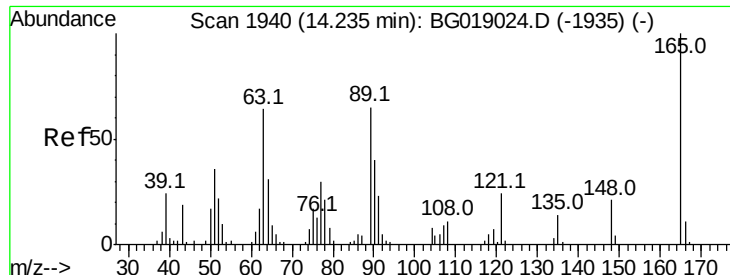
194 3.9 3.3 4.9

164 10.6 8.1 12.1



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

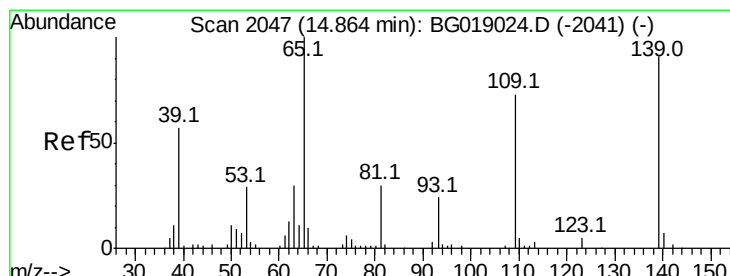
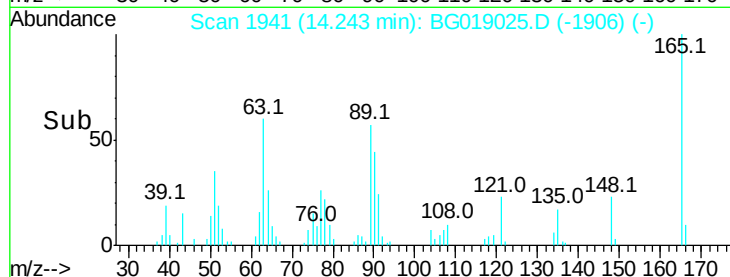
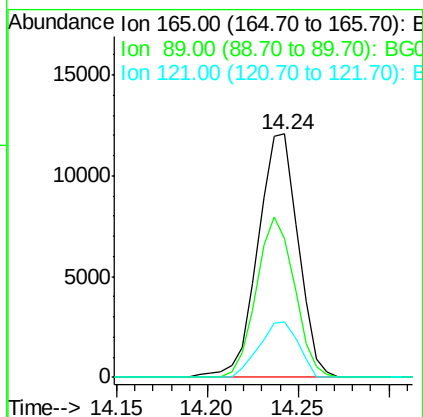
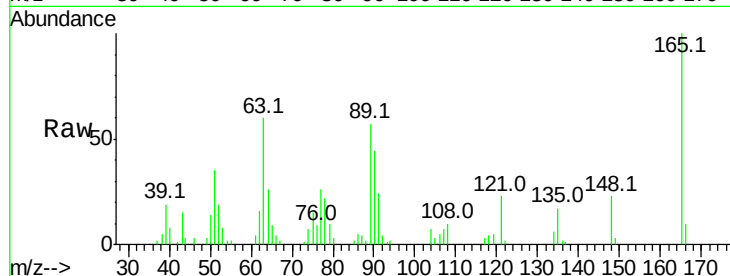




#46
 2,6-Dinitrotoluene
 Concen: 17.50 ng/ul
 RT: 14.24 min Scan# 1941
 Delta R.T. 0.01 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

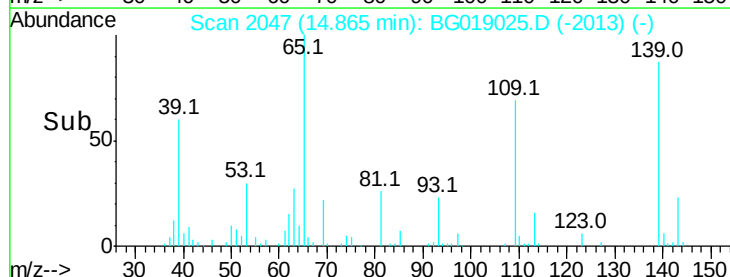
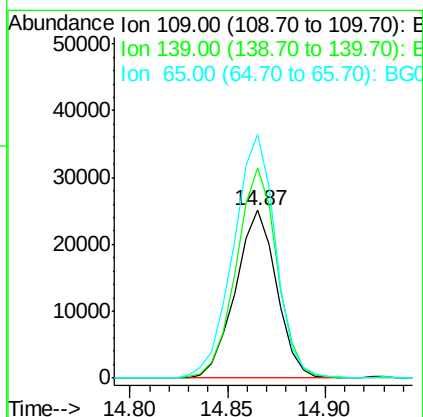
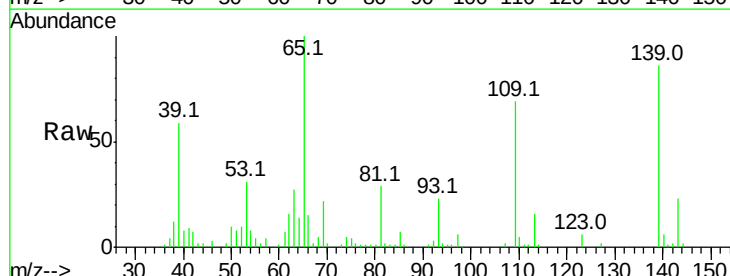
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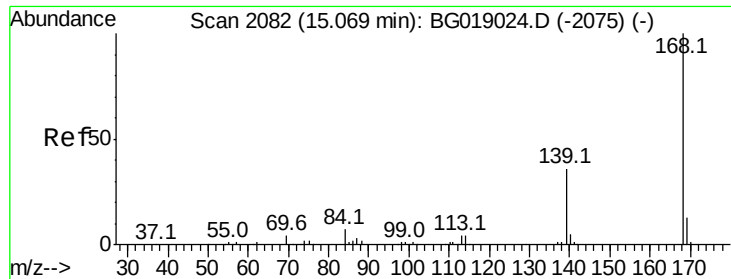
Tot Ion	Ratio	Lower	Upper
165	100		
89	57.2	45.5	68.3
121	23.0	16.8	25.2



#53
 4-Nitrophenol
 Concen: 43.84 ng/ul
 RT: 14.87 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

Tgt Ion	Ratio	Lower	Upper
109	100		
139	125.4	97.9	146.9
65	145.2	117.4	176.0





#54

Dibenzenofuran

Concen: 10.37 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

Instrument :

BNA_G

ClientSampleId :

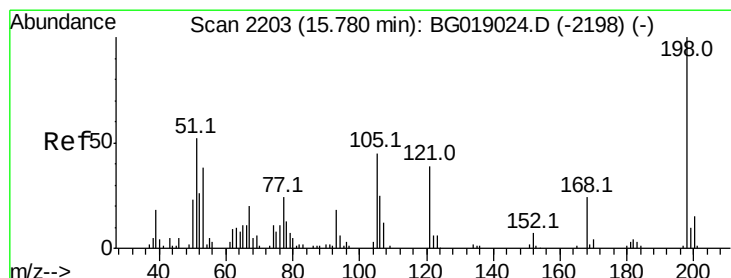
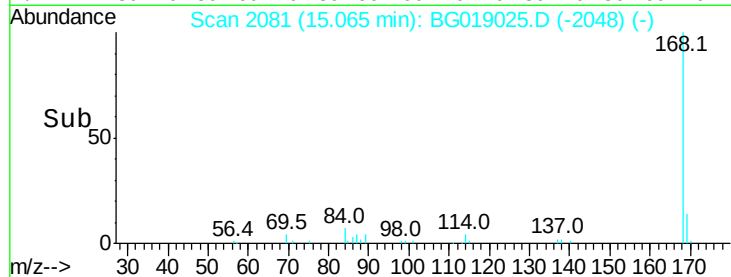
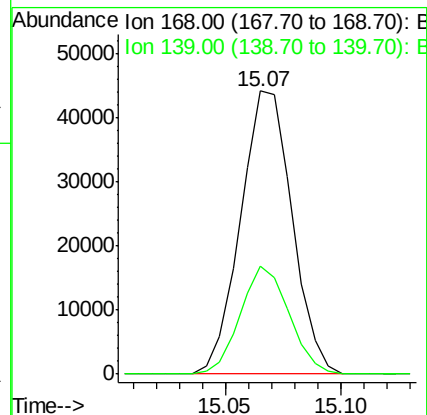
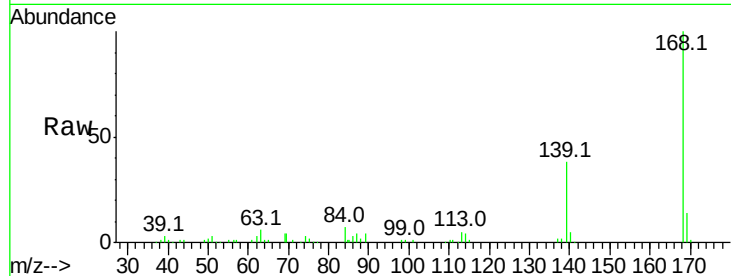
D9G57

Tot Ion:168 Resp: 68735

Ion Ratio Lower Upper

168 100

139 38.4 28.5 42.7



#64

4,6-Dinitro-2-methylphenol

Concen: 18.65 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

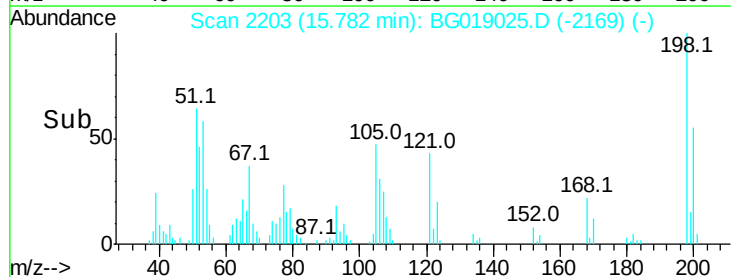
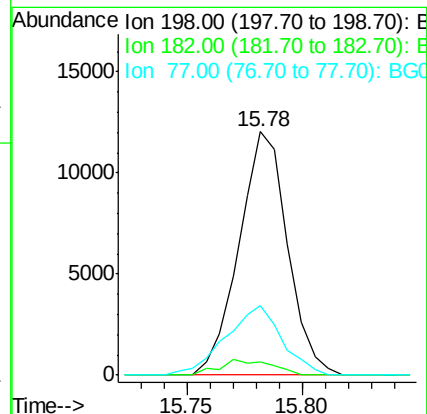
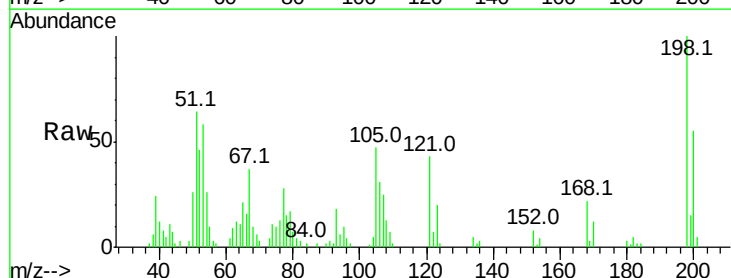
Tgt Ion:198 Resp: 17609

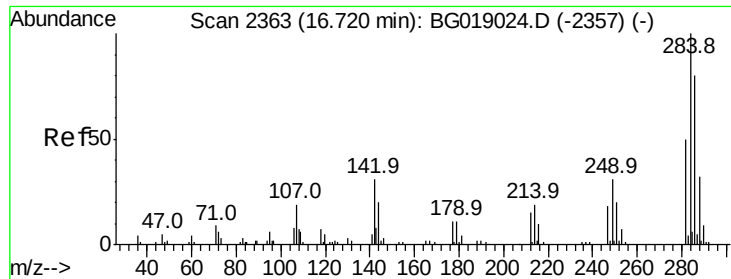
Ion Ratio Lower Upper

198 100

182 5.5 4.3 6.5

77 28.3 20.2 30.2

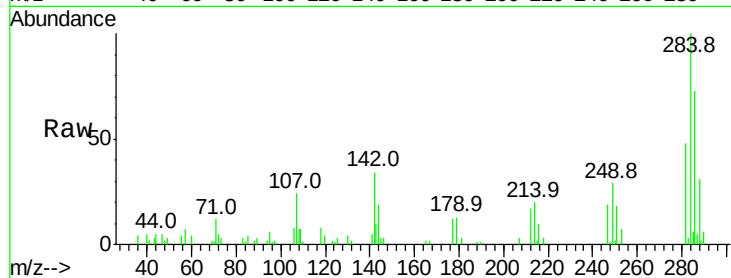




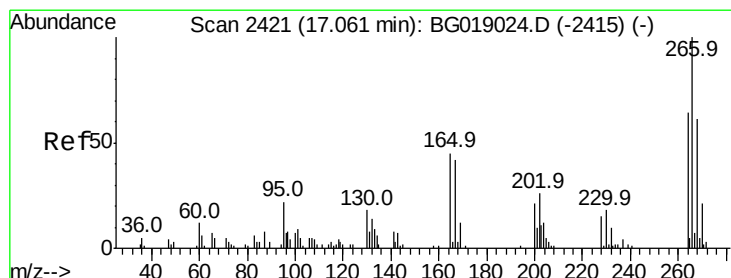
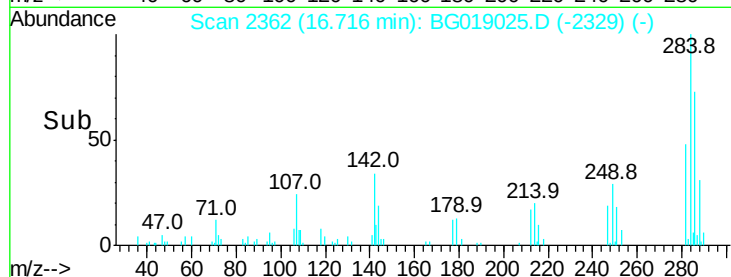
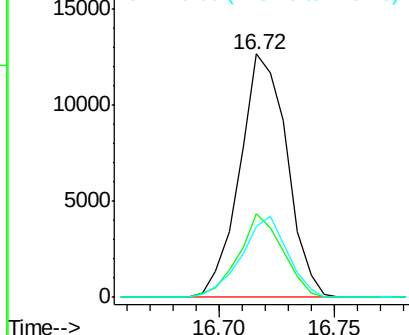
#67
Hexachlorobenzene
Concen: 8.82 ng/ul
RT: 16.72 min Scan# 2362
Delta R.T. -0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Instrument :
BNA_G
ClientSampleId :
D9G57

Tot Ion:284 Resp: 18037
Ion Ratio Lower Upper
284 100
142 34.1 25.4 38.0
249 29.2 25.6 38.4

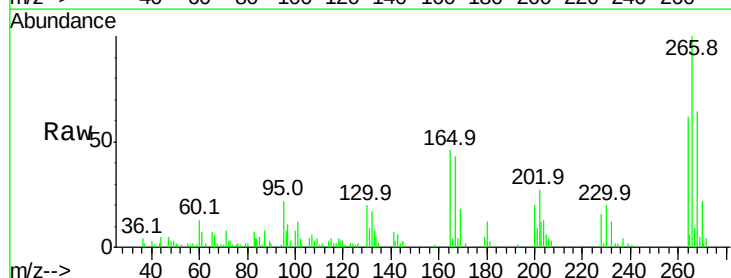


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

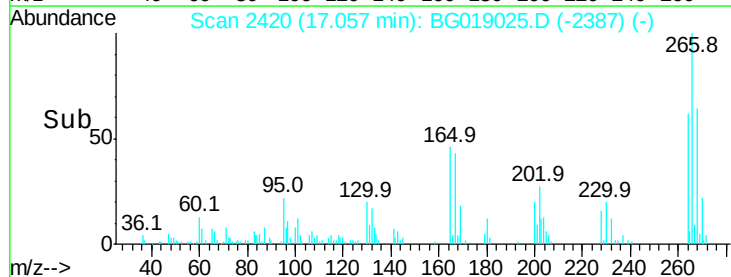
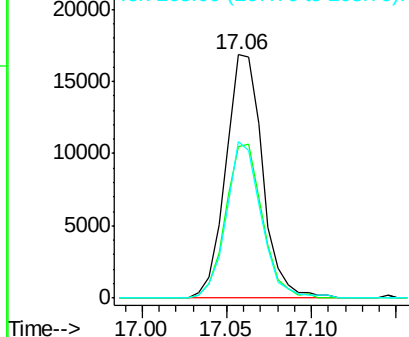


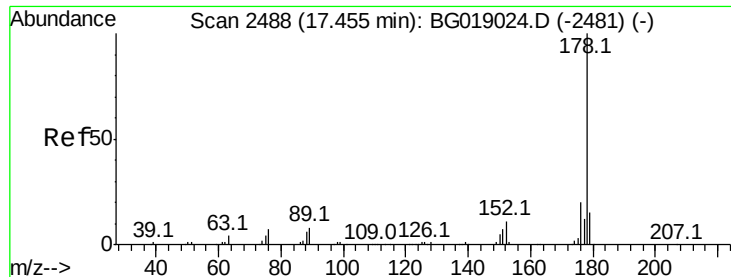
#69
Pentachlorophenol
Concen: 19.85 ng/ul
RT: 17.06 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Tgt Ion:266 Resp: 25484
Ion Ratio Lower Upper
266 100
264 62.0 49.0 73.6
268 64.4 55.6 83.4



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





#70

Phenanthrene

Concen: 25.90 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

Instrument :

BNA_G

ClientSampleId :

D9G57

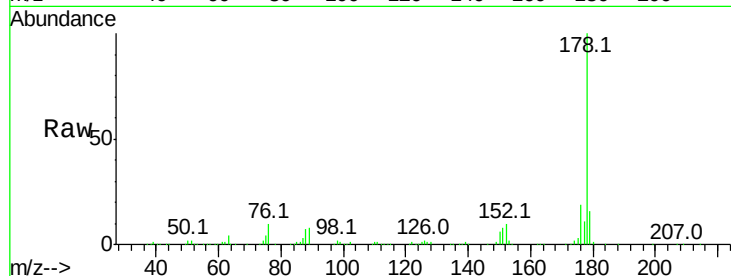
Tot Ion:178 Resp: 240524

Ion Ratio Lower Upper

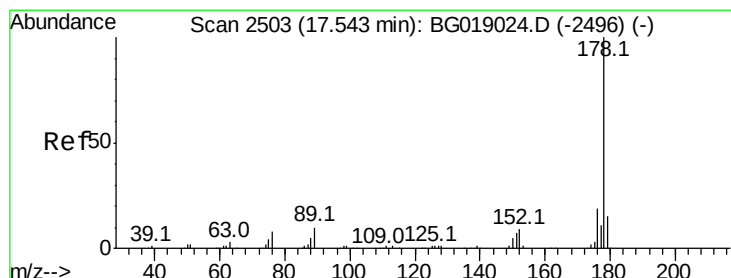
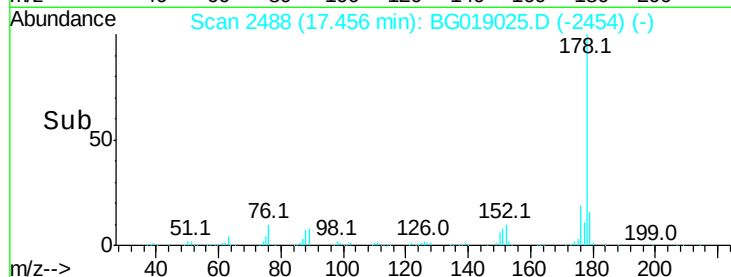
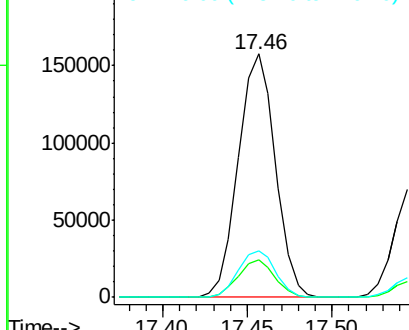
178 100

179 15.5 12.5 18.7

176 19.0 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: 10.69 ng/ul

RT: 17.54 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG019025.D

Acq: 5 Oct 2015 11:39

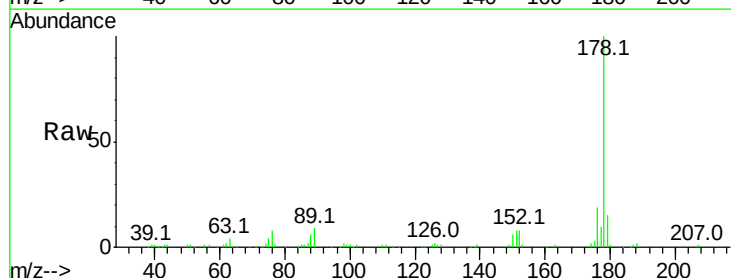
Tgt Ion:178 Resp: 100058

Ion Ratio Lower Upper

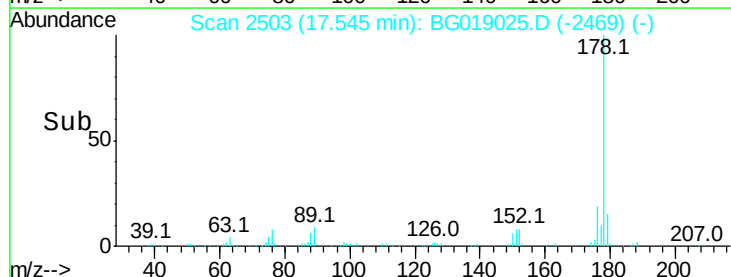
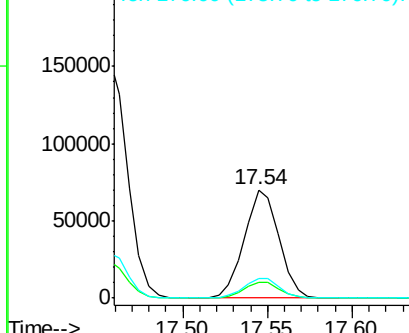
178 100

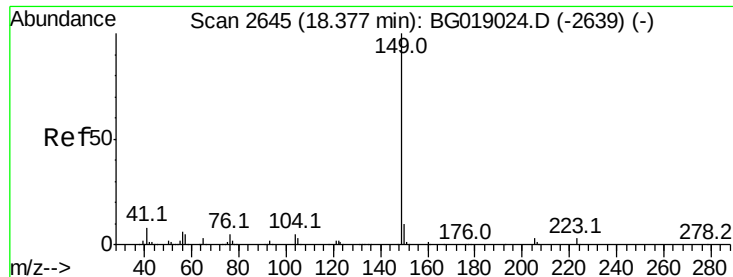
179 14.7 12.2 18.4

176 18.7 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

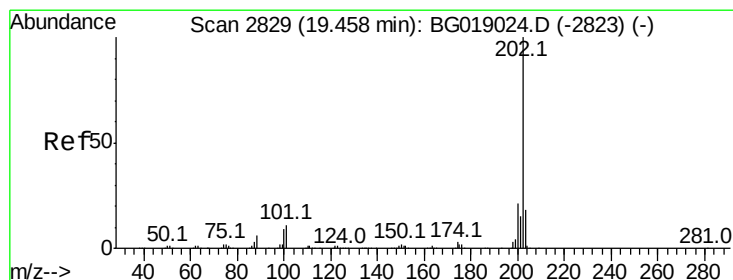
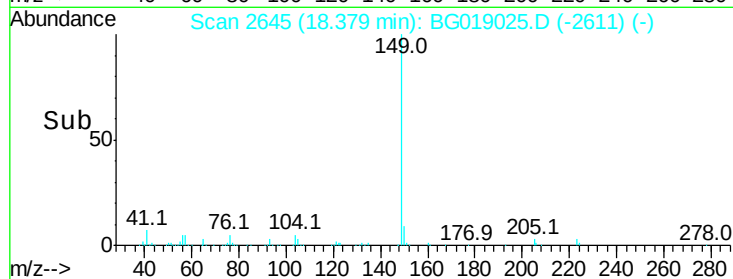
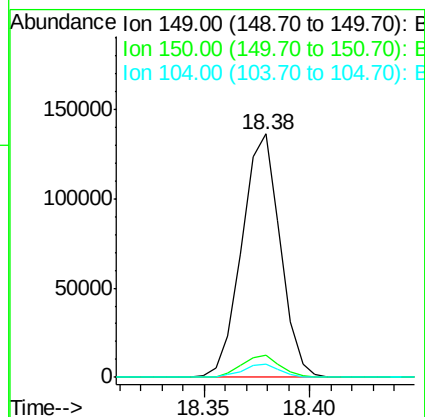
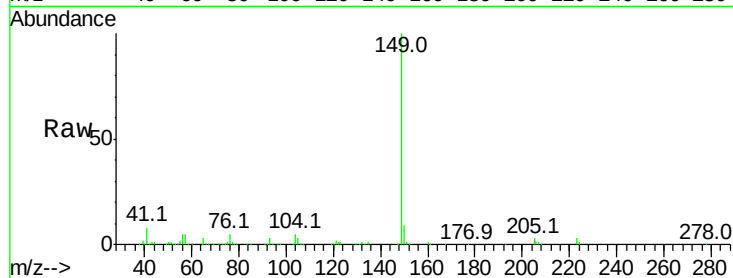




#76
Di-n-butylphthalate
Concen: 16.60 ng/ul
RT: 18.38 min Scan# 2645
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

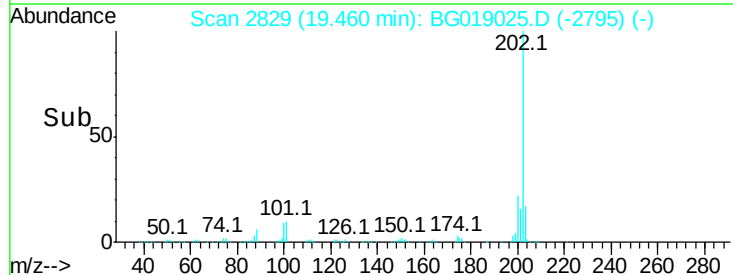
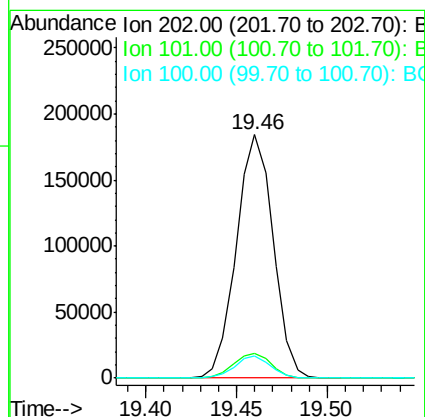
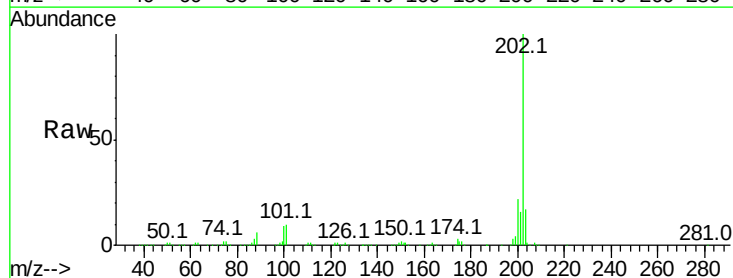
Instrument :
BNA_G
ClientSampleId :
D9G57

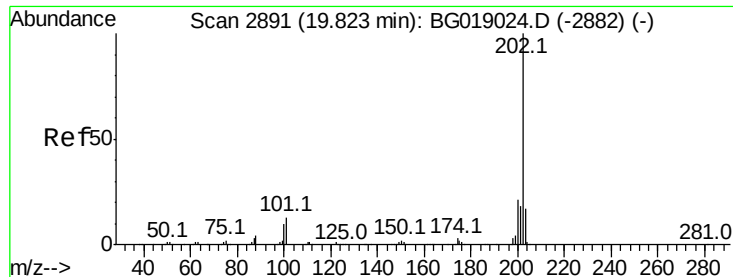
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.1	10.7
104	5.4	3.9	5.9



#77
Fluoranthene
Concen: 24.10 ng/ul
RT: 19.46 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.0	13.4
100	8.9	6.9	10.3

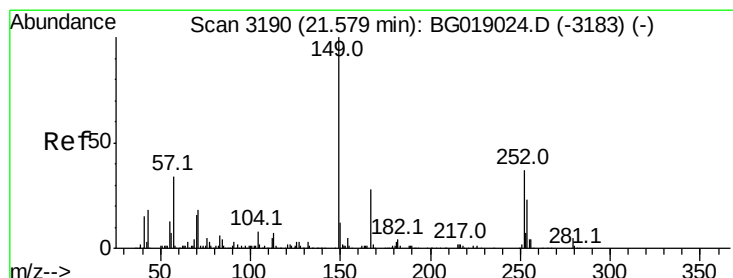
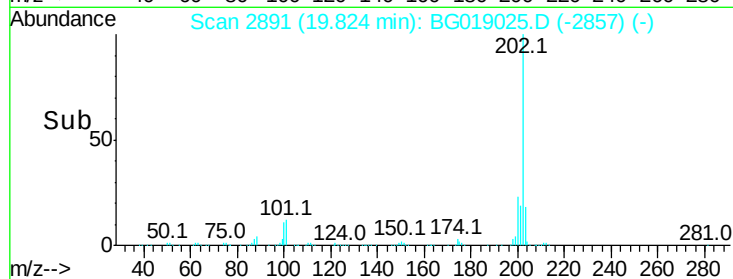
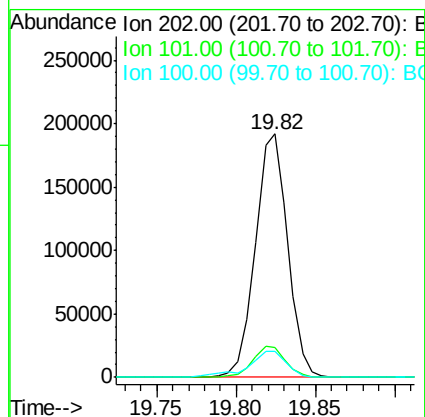
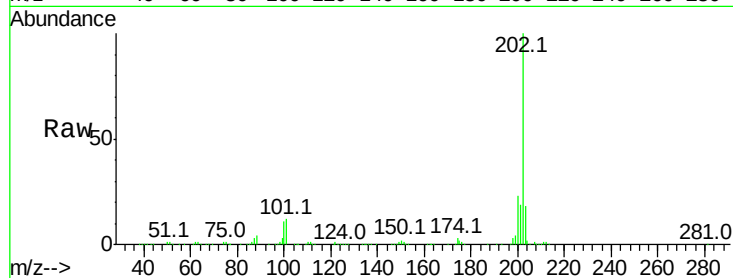




#80
Pvrene
Concen: 21.30 ng/ul
RT: 19.82 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

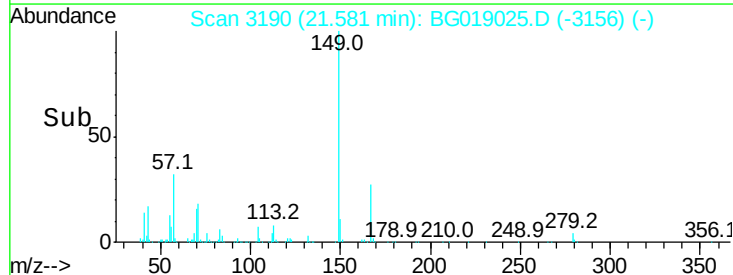
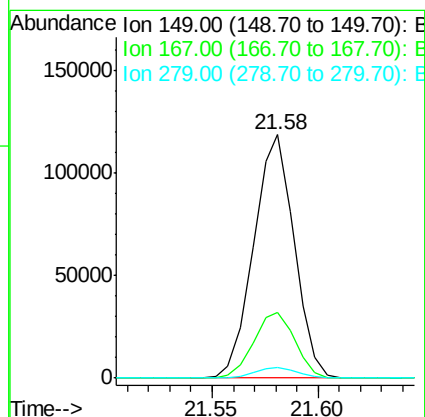
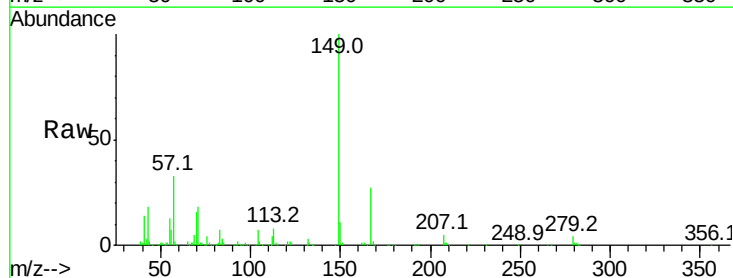
Instrument :
BNA_G
ClientSampleId :
D9G57

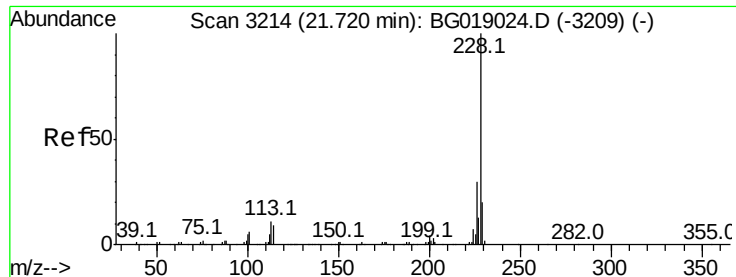
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.2	15.2
100	10.8	8.5	12.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.58 ng/ul
RT: 21.58 min Scan# 3190
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.8	34.2
279	4.4	3.3	4.9

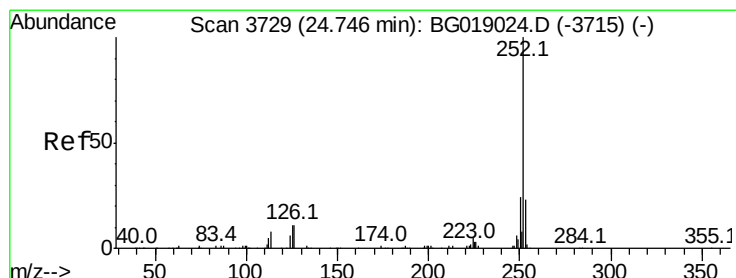
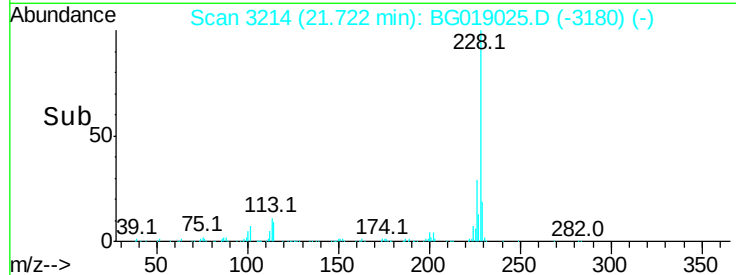
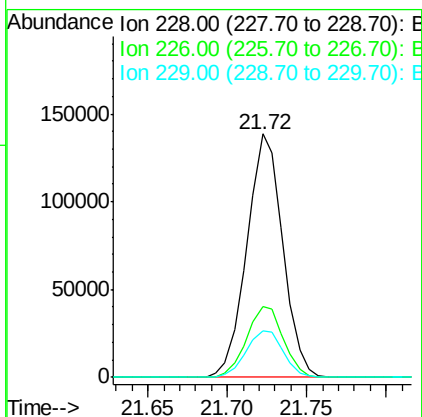
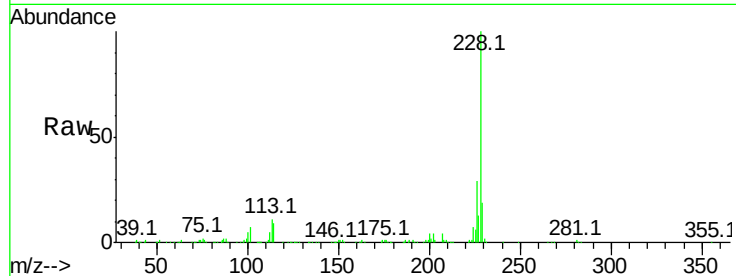




#85
Chrysene
Concen: 18.87 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

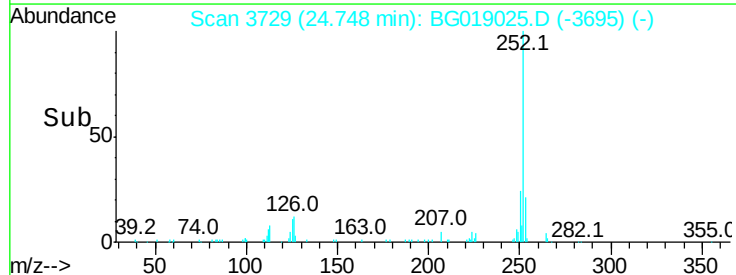
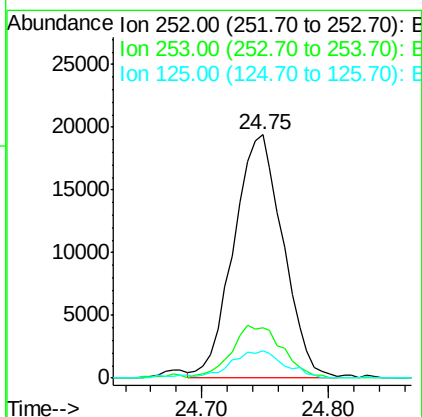
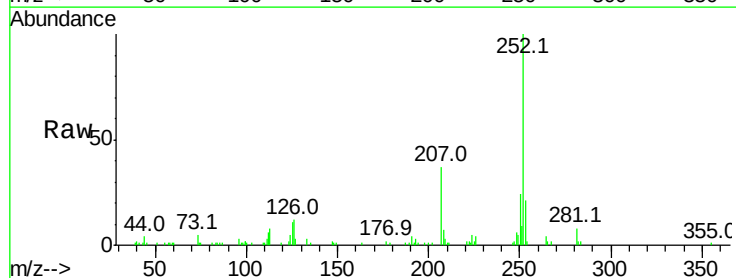
Instrument :
BNA_G
ClientSampleId :
D9G57

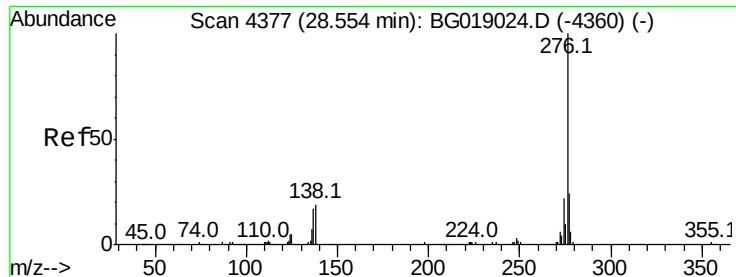
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	19.1	15.6	23.4



#91
Benzo(a)pyrene
Concen: 4.44 ng/ul
RT: 24.75 min Scan# 3729
Delta R.T. 0.00 min
Lab File: BG019025.D
Acq: 5 Oct 2015 11:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	11.1	9.4	14.2

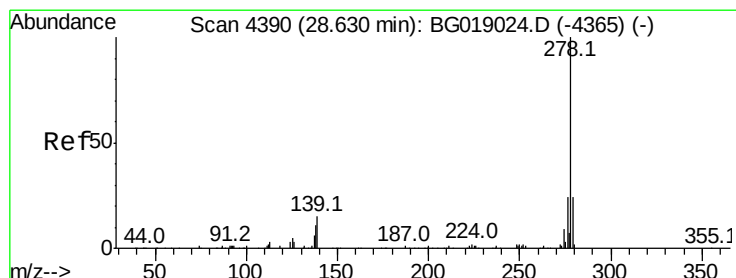
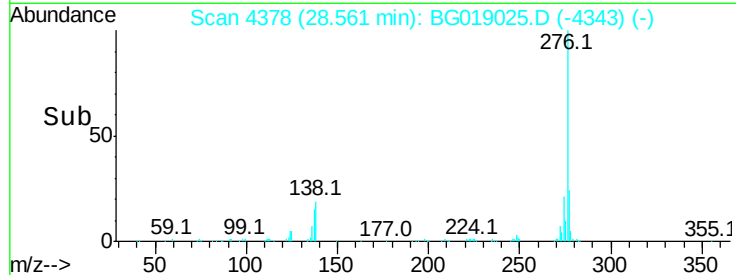
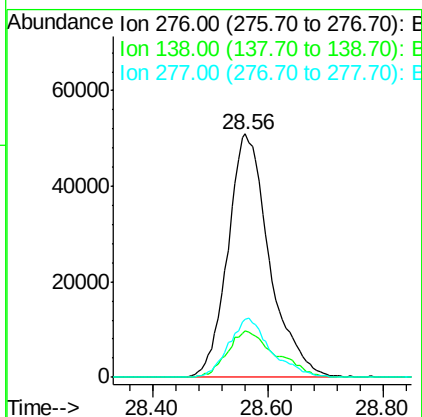
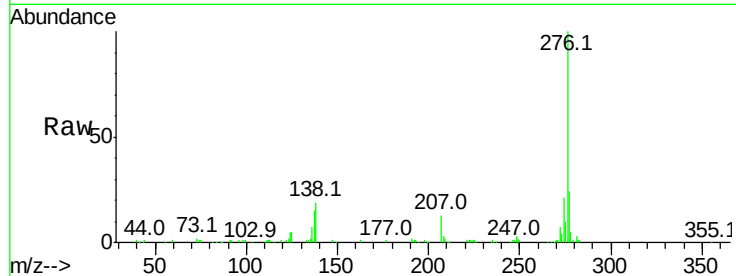




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 18.73 ng/ul
 RT: 28.56 min Scan# 4378
 Delta R.T. 0.01 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

Instrument :
 BNA_G
 ClientSampleId :
 D9G57

Tot Ion:276 Resp: 254231
 Ion Ratio Lower Upper
 276 100
 138 18.9 14.9 22.3
 277 24.0 18.0 27.0



#93
 Dibenzo(a,h)anthracene
 Concen: 11.80 ng/ul
 RT: 28.63 min Scan# 4390
 Delta R.T. 0.00 min
 Lab File: BG019025.D
 Acq: 5 Oct 2015 11:39

Tgt Ion:278 Resp: 138397
 Ion Ratio Lower Upper
 278 100
 139 13.9 11.2 16.8
 279 23.6 17.6 26.4

