

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025163.D
 Acq On : 14 Dec 2016 2:43
 Operator : UM/SJ
 Sample : H5990-13MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS005-0106-03MS

Quant Time: Dec 14 04:04:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 14 03:19:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	86285	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	397768	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	325783	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	614547	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	719503	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	719175	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6882	4.12	ng/uL	0.00
5) Phenol-d5	7.39	99	205219	27.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	132968	28.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	141690	27.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	190707	30.66	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	84779	30.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	99736	28.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	196609	29.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	134003	20.19	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	669759	29.89	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	753084	30.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	103296	26.82	ng/ul	0.00
57) Fluorene-d10	15.85	176	602920	28.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	107574	28.31	ng/ul	0.00
70) Anthracene-d10	17.70	188	836302	32.24	ng/ul	0.00
76) Pyrene-d10	19.98	212	891489	30.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	887563	30.46	ng/ul	0.02

Target Compounds

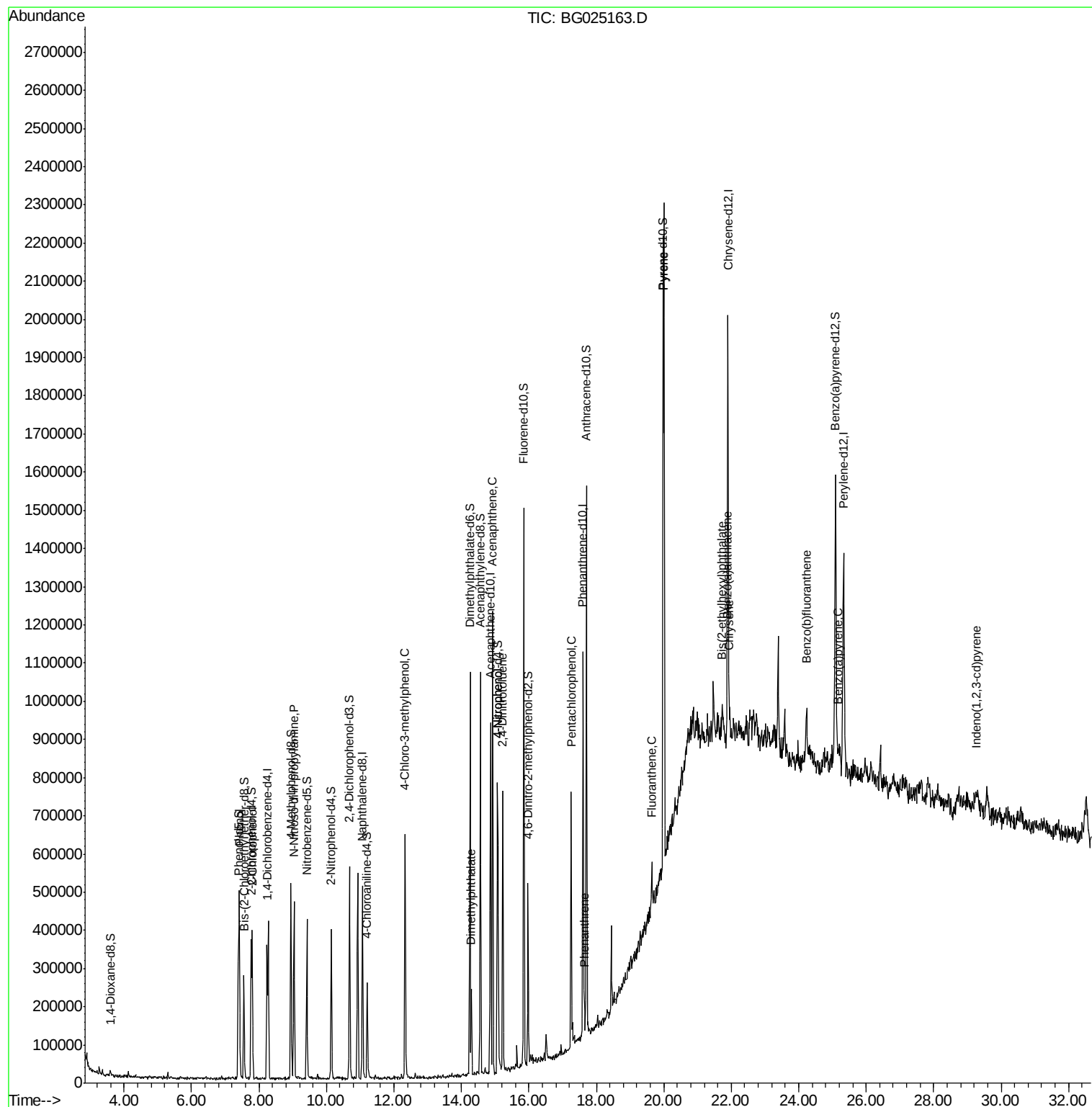
					Qvalue
6) Phenol	7.42	94	243019	31.81 ng/ul	94
10) 2-Chlorophenol	7.80	128	138570	26.48 ng/ul	98
15) N-Nitroso-di-n-propylamine	9.04	70	163510	29.90 ng/ul	94
33) 4-Chloro-3-methylphenol	12.33	107	231228	28.61 ng/ul	96
44) Dimethylphthalate	14.30	163	136152	6.18 ng/ul#	94
49) Acenaphthene	14.93	153	490310	29.99 ng/ul	98
52) 4-Nitrophenol	15.08	109	122143	26.37 ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	200179	28.07 ng/ul	97
68) Pentachlorophenol	17.26	266	136072	28.99 ng/ul	95
69) Phenanthrene	17.65	178	37399	1.28 ng/ul	98
74) Fluoranthene	19.64	202	98502	2.83 ng/ul	99
77) Pyrene	20.01	202	1081300	31.26 ng/ul	97
80) Benzo(a)anthracene	21.87	228	49441	1.32 ng/ul#	92
81) Bis(2-ethylhexyl)phthalate	21.72	149	23329	1.25 ng/ul#	92
82) Chrysene	21.95	228	66534	1.90 ng/ul#	85
85) Benzo(b)fluoranthene	24.23	252	85618	2.40 ng/ul#	78
88) Benzo(a)pyrene	25.16	252	49056	1.43 ng/ul#	84
89) Indeno(1,2,3-cd)pyrene	29.26	276	43157	1.01 ng/ul#	69

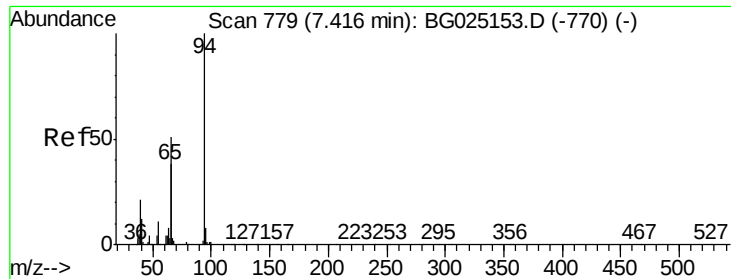
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 31.81 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

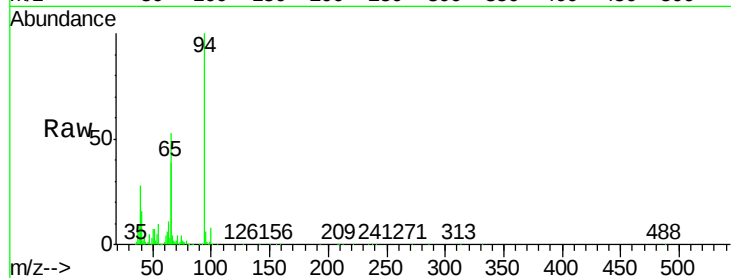
Tgt Ion: 94 Resp: 243019

Ion Ratio Lower Upper

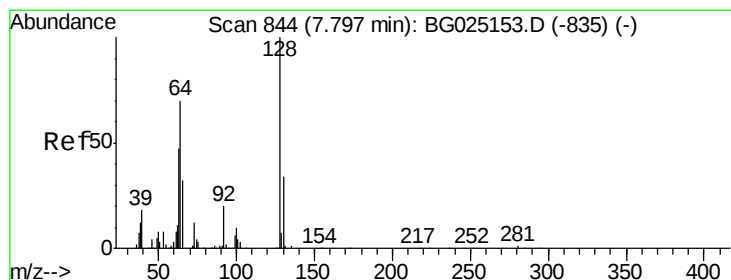
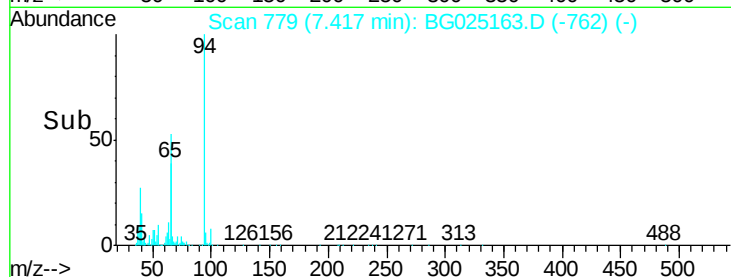
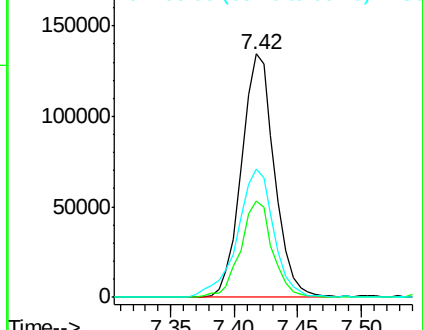
94 100

65 39.4 26.8 40.2

66 52.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 26.48 ng/ul

RT: 7.80 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

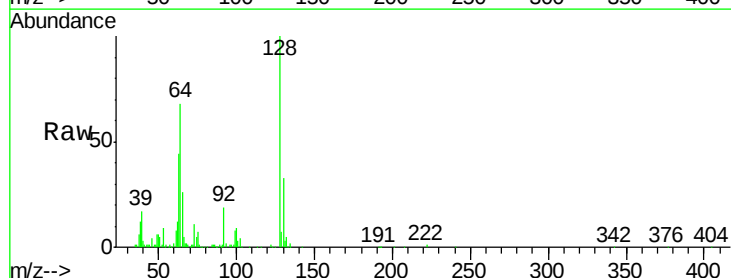
Tgt Ion: 128 Resp: 138570

Ion Ratio Lower Upper

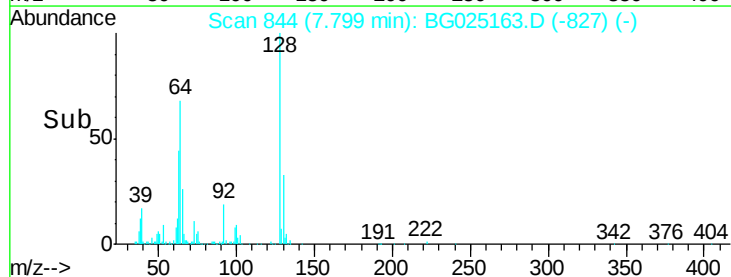
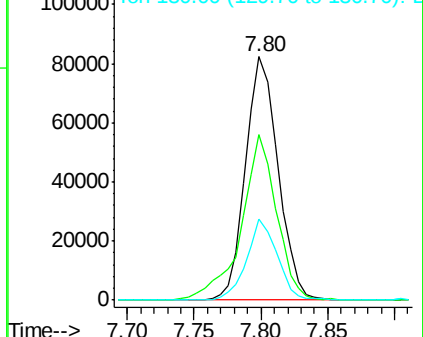
128 100

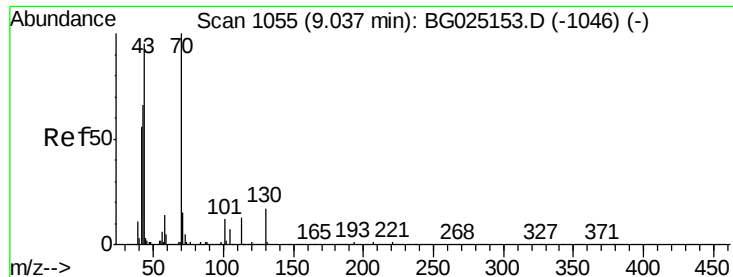
64 67.9 56.3 84.5

130 33.3 26.7 40.1



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

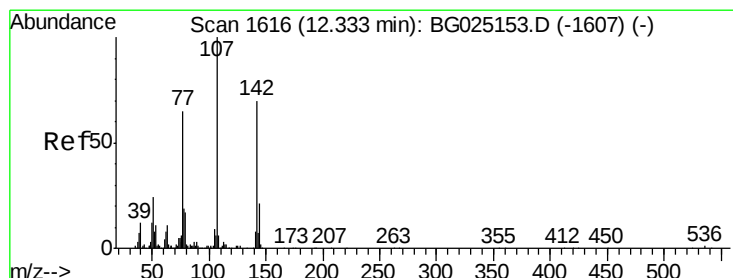
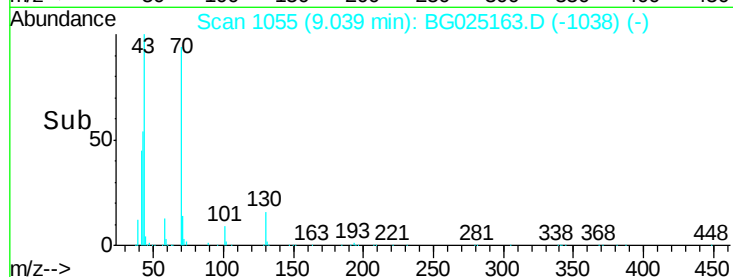
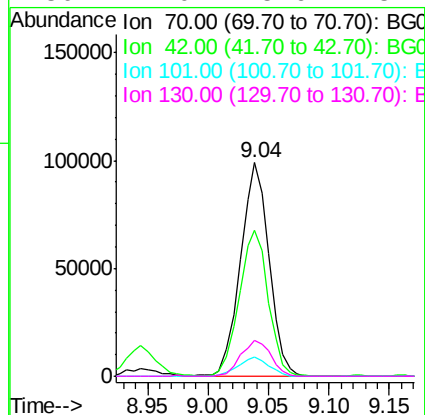
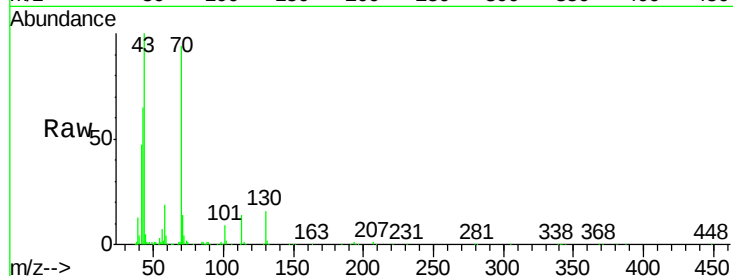




#15
N-Nitroso-di-n-propylamine
Concen: 29.90 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG025163.D
Acq: 14 Dec 2016 2:43

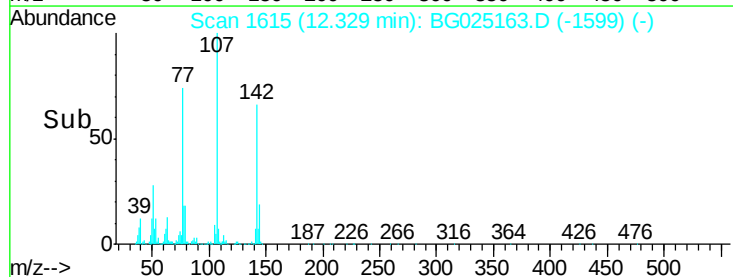
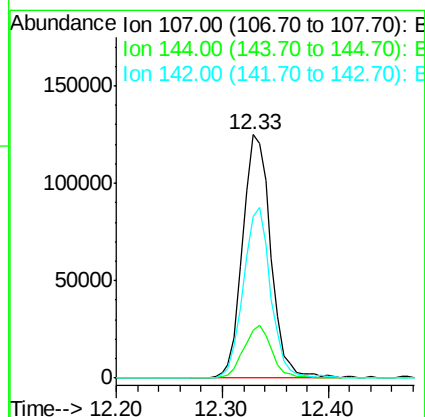
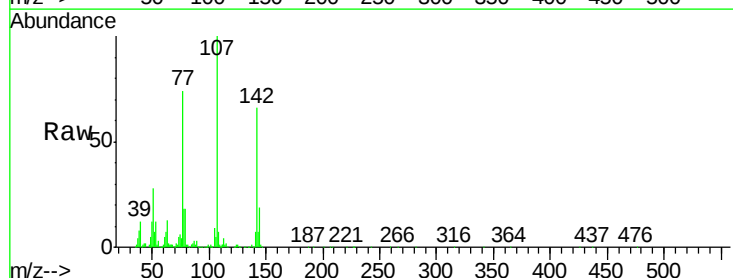
Instrument :
BNA_G
ClientSampleId :
P006-SS005-0106-03MS

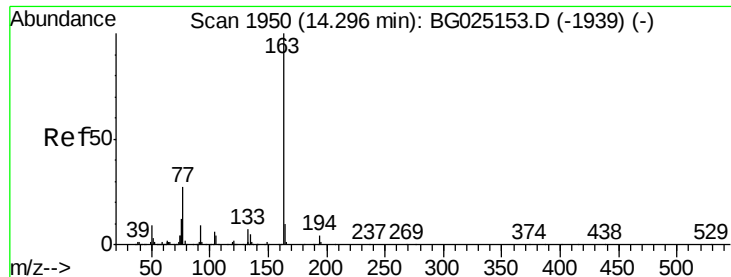
Tgt Ion:	70	Resp:	163510
Ion	Ratio	Lower	Upper
70	100		
42	68.6	59.0	88.6
101	9.1	6.6	9.8
130	17.0	15.6	23.4



#33
4-Chloro-3-methylphenol
Concen: 28.61 ng/ul
RT: 12.33 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BG025163.D
Acq: 14 Dec 2016 2:43

Tgt Ion:	107	Resp:	231228
Ion	Ratio	Lower	Upper
107	100		
144	19.5	18.2	27.4
142	66.2	55.0	82.4





#44

Dimethylphthalate

Concen: 6.18 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

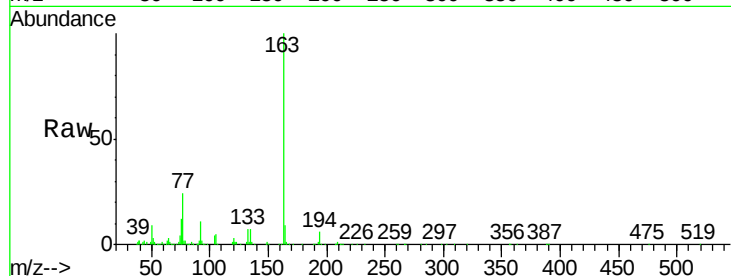
Tgt Ion:163 Resp: 136152

Ion Ratio Lower Upper

163 100

194 5.7 3.4 5.0#

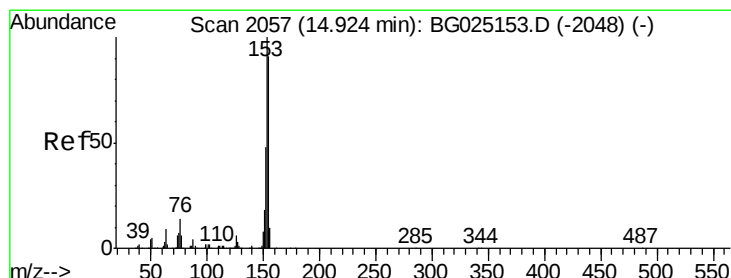
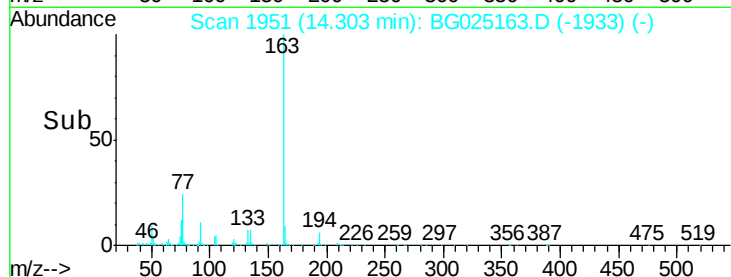
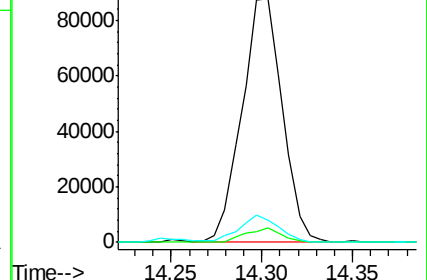
164 8.9 9.0 13.4#



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



#49

Acenaphthene

Concen: 29.99 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

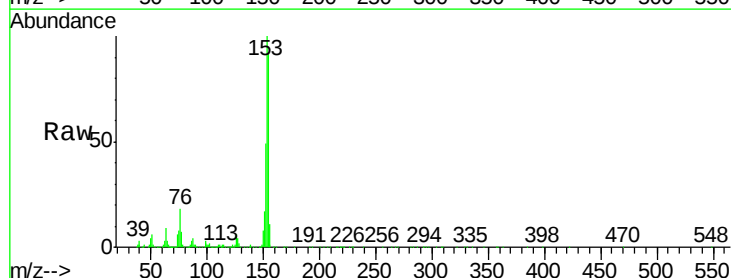
Tgt Ion:153 Resp: 490310

Ion Ratio Lower Upper

153 100

152 48.7 36.5 54.7

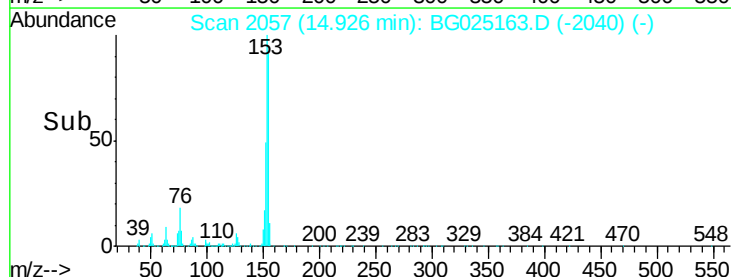
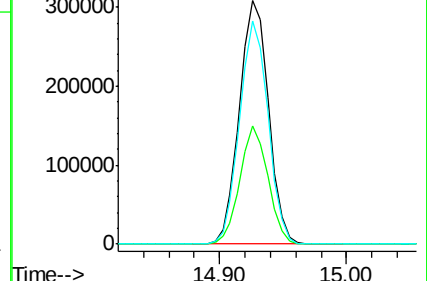
154 91.5 72.3 108.5

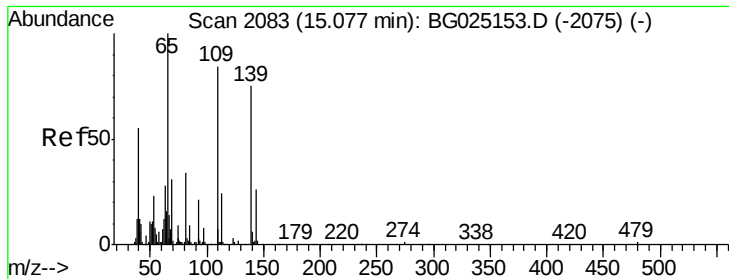


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 26.37 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

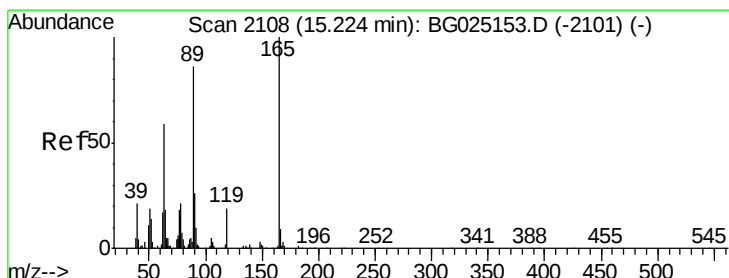
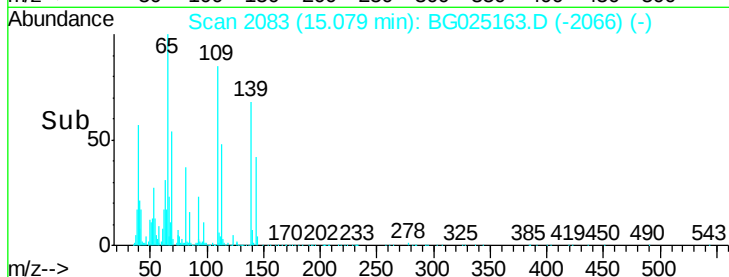
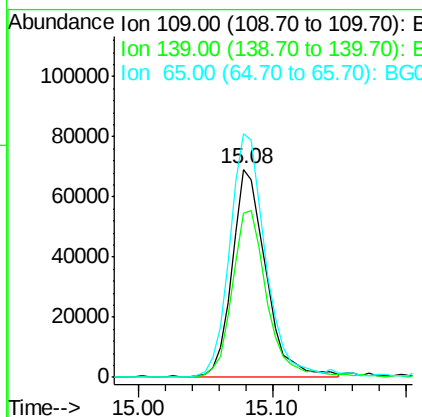
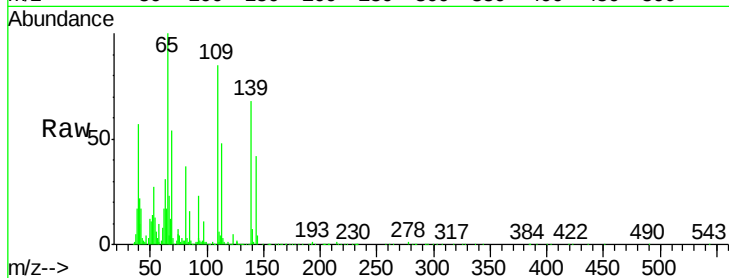
Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

Tgt Ion:	109	Resp:	122143
Ion Ratio	Lower	Upper	
109	100		
139	79.1	62.6	93.8
65	117.1	90.4	135.6



#54

2,4-Dinitrotoluene

Concen: 28.07 ng/ul

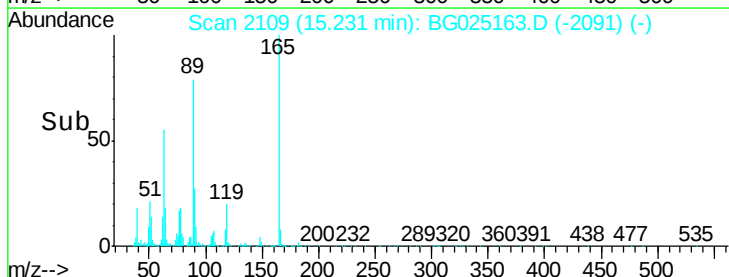
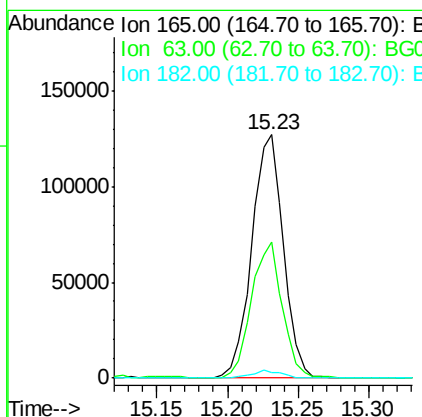
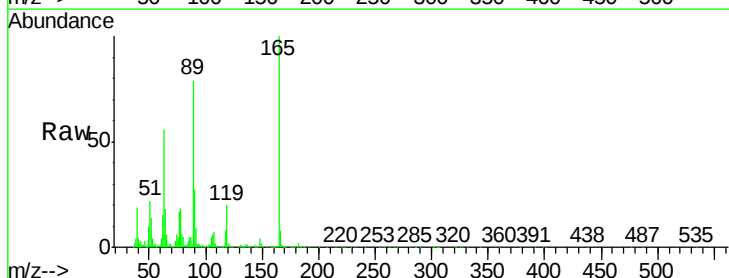
RT: 15.23 min Scan# 2109

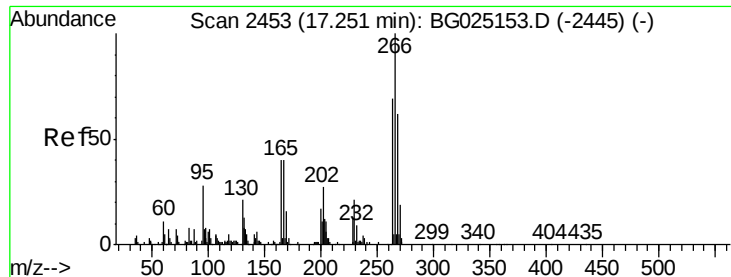
Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Tgt Ion:	165	Resp:	200179
Ion Ratio	Lower	Upper	
165	100		
63	56.0	46.8	70.2
182	2.2	1.8	2.6





#68

Pentachlorophenol

Concen: 28.99 ng/ul

RT: 17.26 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

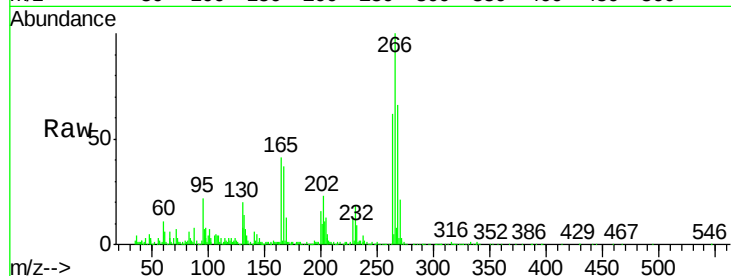
Tgt Ion:266 Resp: 136072

Ion Ratio Lower Upper

266 100

264 61.8 47.1 70.7

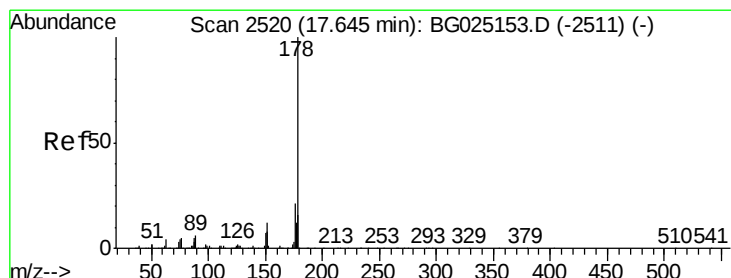
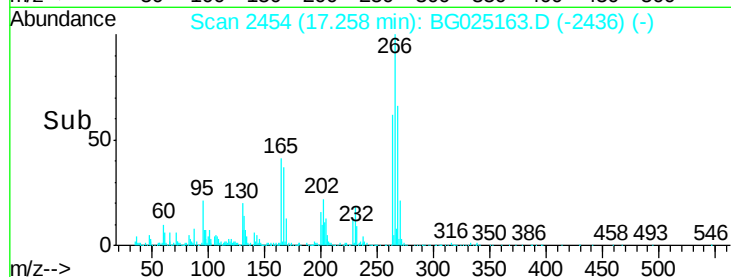
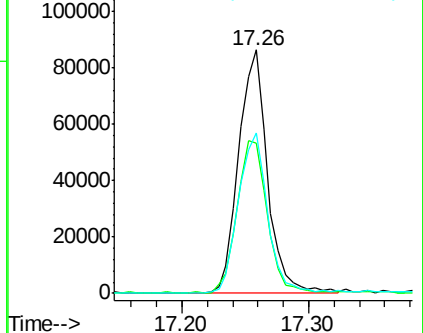
268 65.8 56.2 84.4



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



#69

Phenanthrene

Concen: 1.28 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

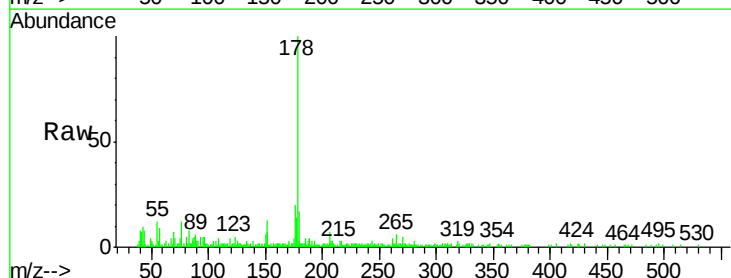
Tgt Ion:178 Resp: 37399

Ion Ratio Lower Upper

178 100

179 17.2 12.4 18.6

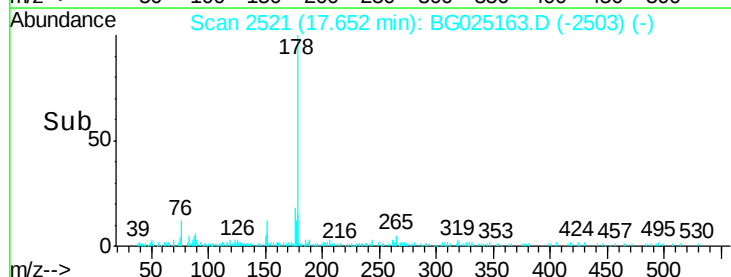
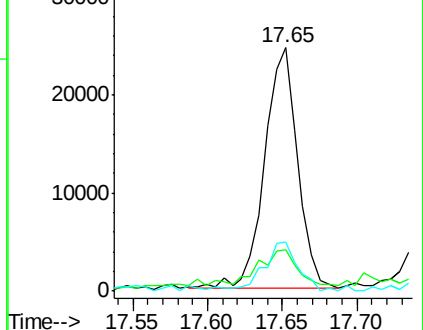
176 20.3 16.5 24.7

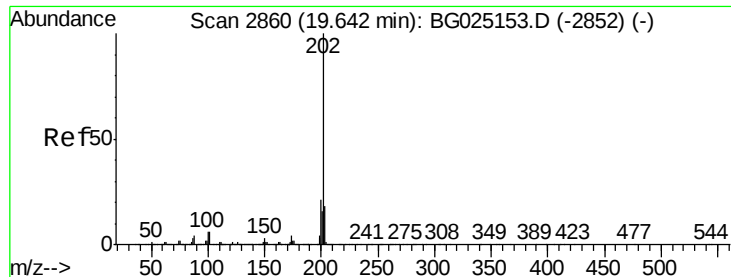


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.83 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

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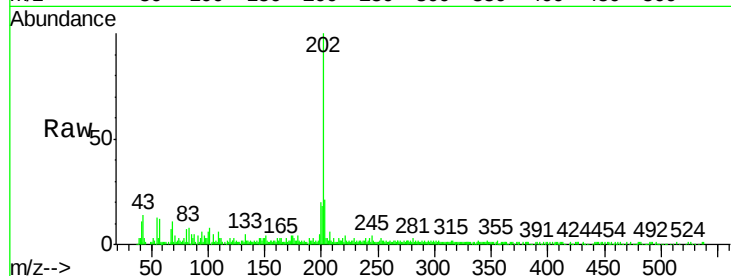
Tgt Ion:202 Resp: 98502

Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

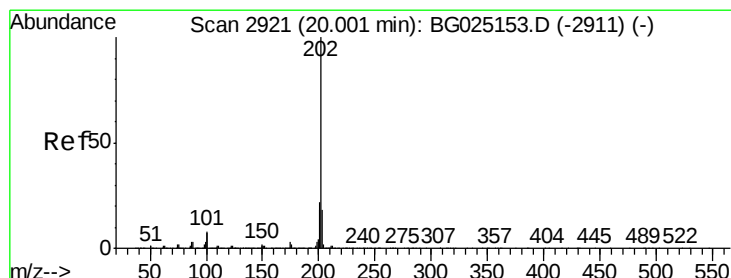
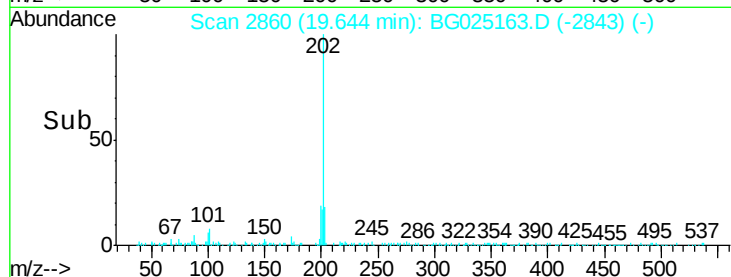
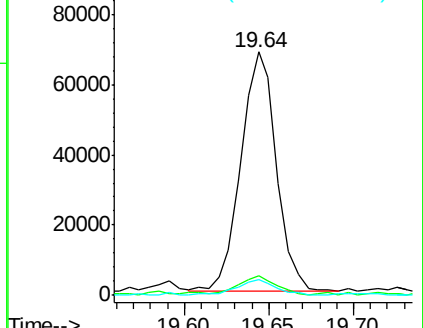
100 6.3 5.2 7.8



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: 31.26 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

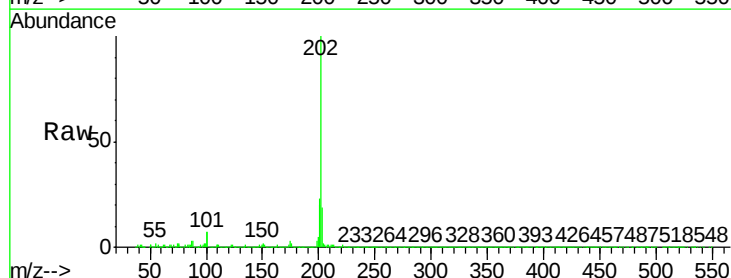
Tgt Ion:202 Resp: 1081300

Ion Ratio Lower Upper

202 100

101 7.4 6.9 10.3

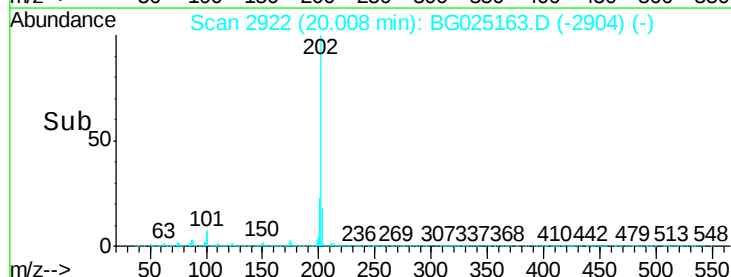
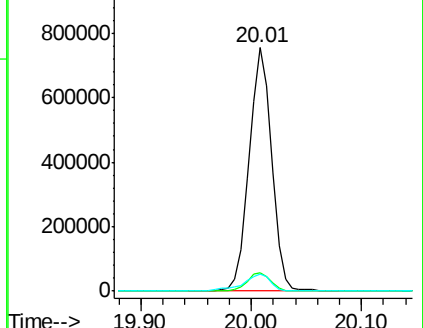
100 7.2 6.6 10.0

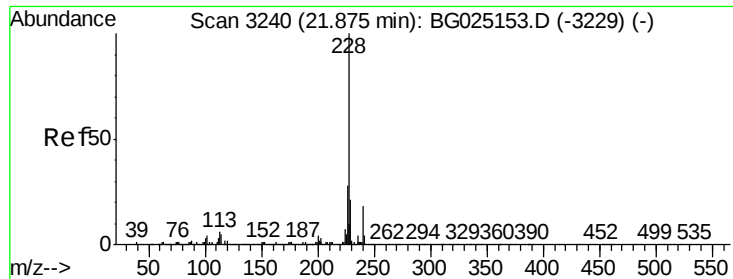


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.32 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

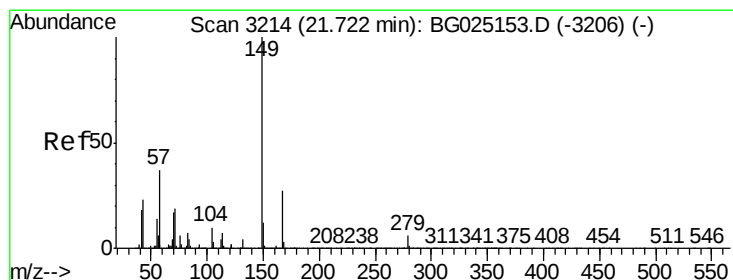
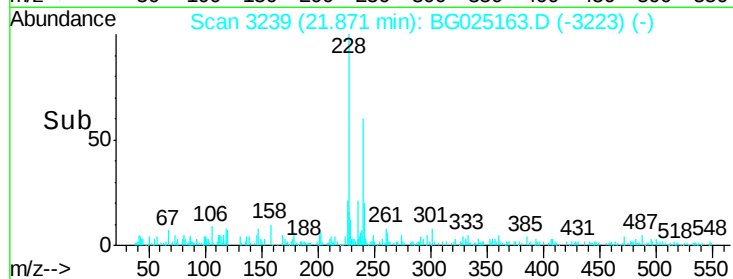
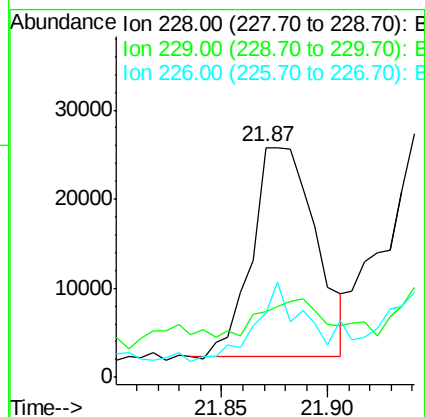
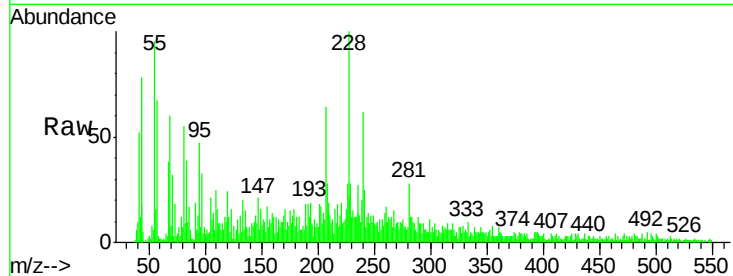
Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

Tgt Ion:	228	Resp:	49441
Ion Ratio	Lower	Upper	
228	100		
229	28.4	16.3	24.5#
226	28.2	21.9	32.9



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.25 ng/ul

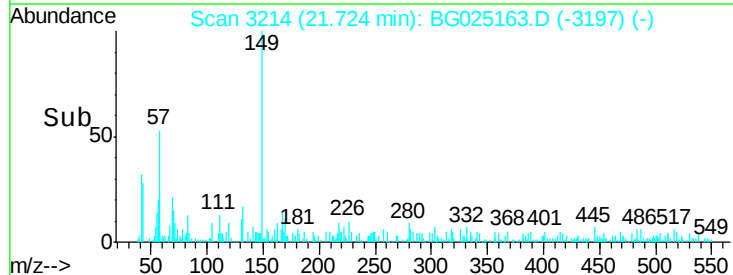
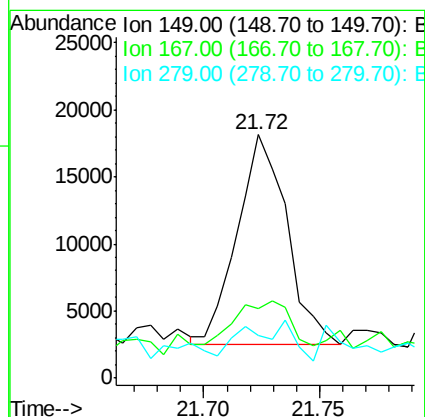
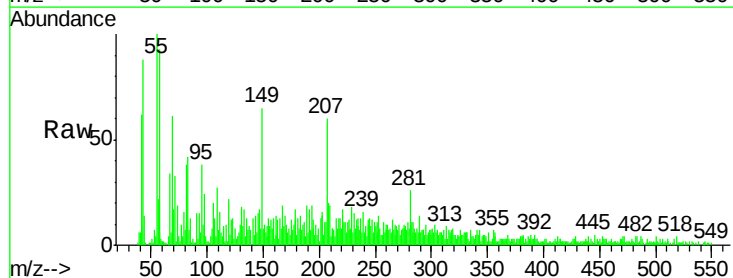
RT: 21.72 min Scan# 3214

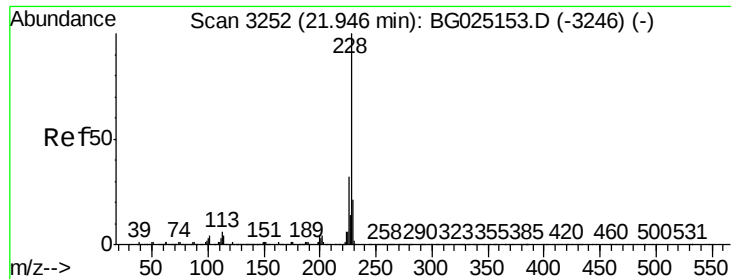
Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Tgt Ion:	149	Resp:	23329
Ion Ratio	Lower	Upper	
149	100		
167	28.5	21.8	32.8
279	17.4	4.5	6.7#





#82

Chrysene

Concen: 1.90 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

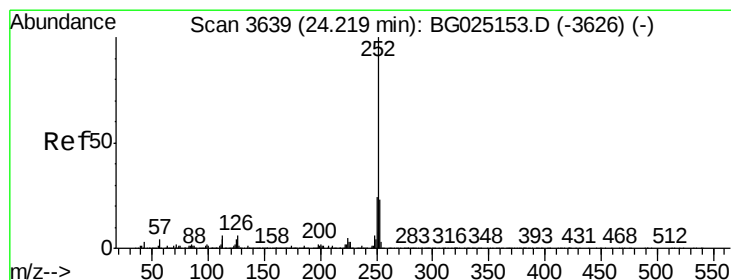
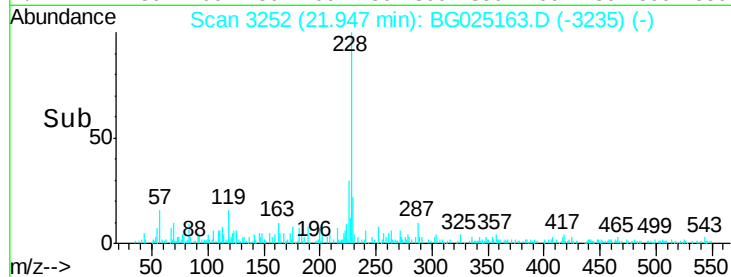
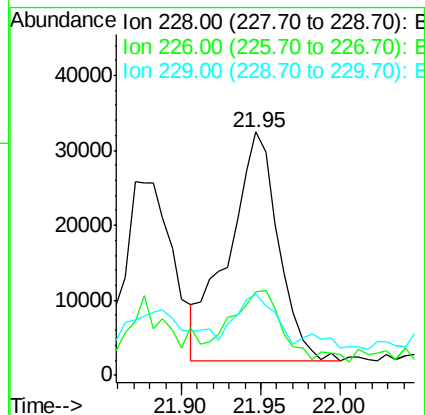
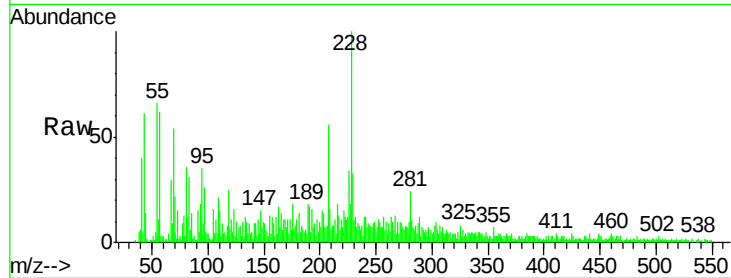
Tgt Ion:228 Resp: 66534

Ion Ratio Lower Upper

228 100

226 34.1 24.0 36.0

229 33.4 16.9 25.3#



#85

Benzo(b)fluoranthene

Concen: 2.40 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

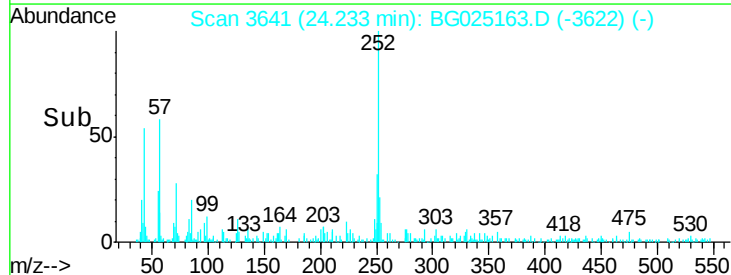
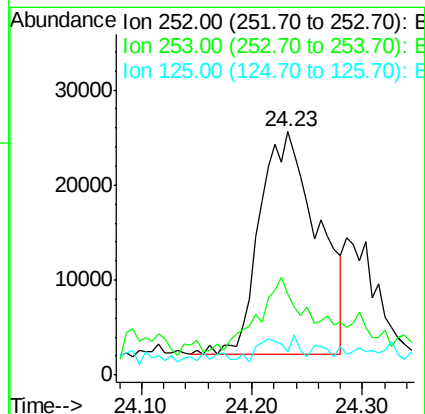
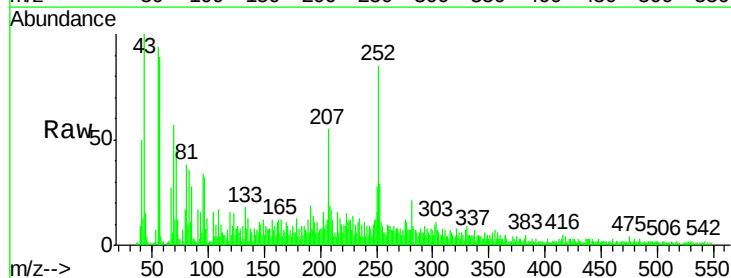
Tgt Ion:252 Resp: 85618

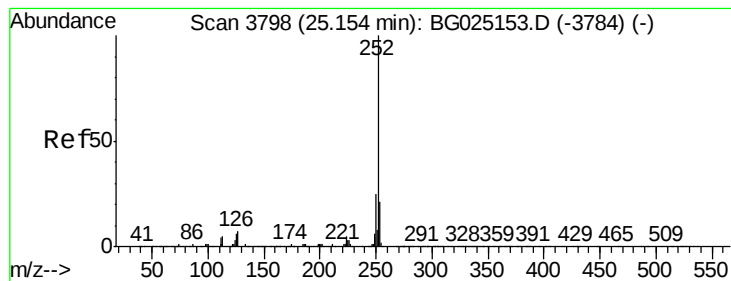
Ion Ratio Lower Upper

252 100

253 33.5 17.7 26.5#

125 9.8 4.0 6.0#





#88

Benzo(a)pyrene

Concen: 1.43 ng/ul

RT: 25.16 min Scan# 3799

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

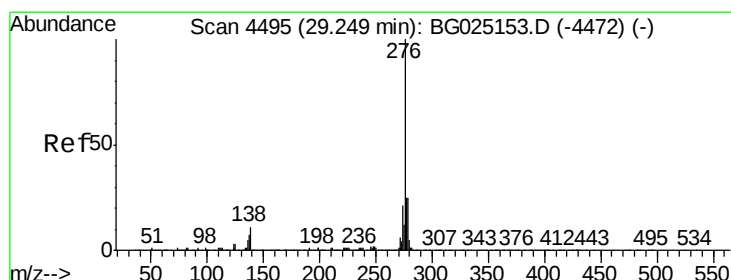
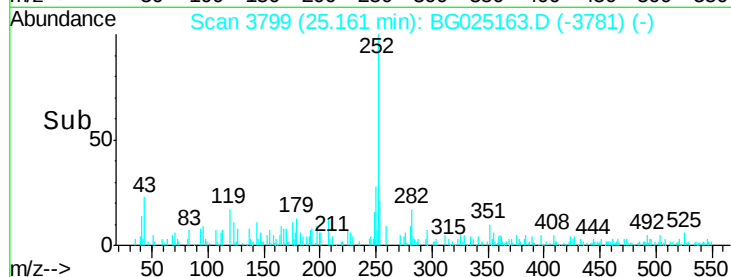
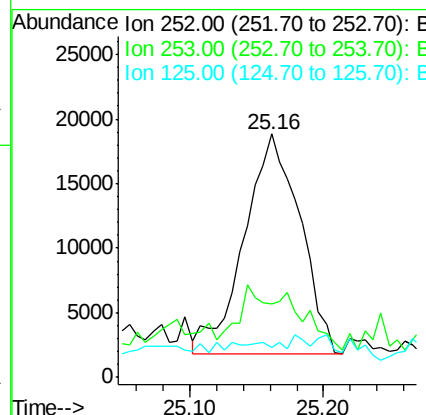
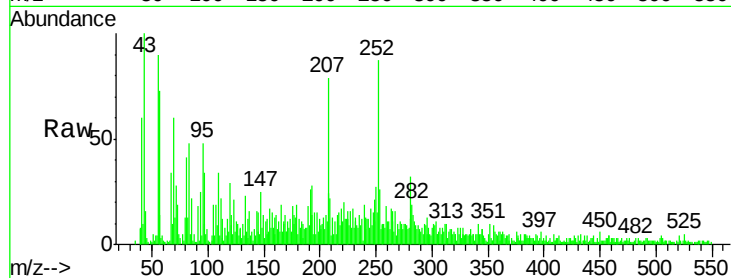
Instrument :

BNA_G

ClientSampleId :

P006-SS005-0106-03MS

Tgt Ion:	252	Resp:	49056
Ion Ratio	Lower	Upper	
252	100		
253	30.0	17.8	26.6#
125	12.2	5.4	8.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.01 ng/ul

RT: 29.26 min Scan# 4497

Delta R.T. 0.01 min

Lab File: BG025163.D

Acq: 14 Dec 2016 2:43

Tgt Ion:	276	Resp:	43157
Ion Ratio	Lower	Upper	
276	100		
138	10.5	8.2	12.4
277	44.8	18.6	28.0#

