

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025231.D
 Acq On : 16 Dec 2016 3:48
 Operator : UM/SJ
 Sample : H5995-18MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 16 06:01:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	88265	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	376574	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	293660	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	558588	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	689120	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	725647	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	4452	2.61	ng/uL	0.00
5) Phenol-d5	7.39	99	135867	17.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	88788	18.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	88570	16.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	108657	17.07	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	55694	20.89	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	39561	11.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	97548	15.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	90093	14.34	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	402611	19.93	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	493257	22.29	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	20102	5.79	ng/ul	0.00
57) Fluorene-d10	15.84	176	364010	19.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	4498	1.30	ng/ul	0.00
70) Anthracene-d10	17.70	188	531953	22.56	ng/ul	0.00
76) Pyrene-d10	19.97	212	649037	22.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	688906	23.43	ng/ul	0.01

Target Compounds

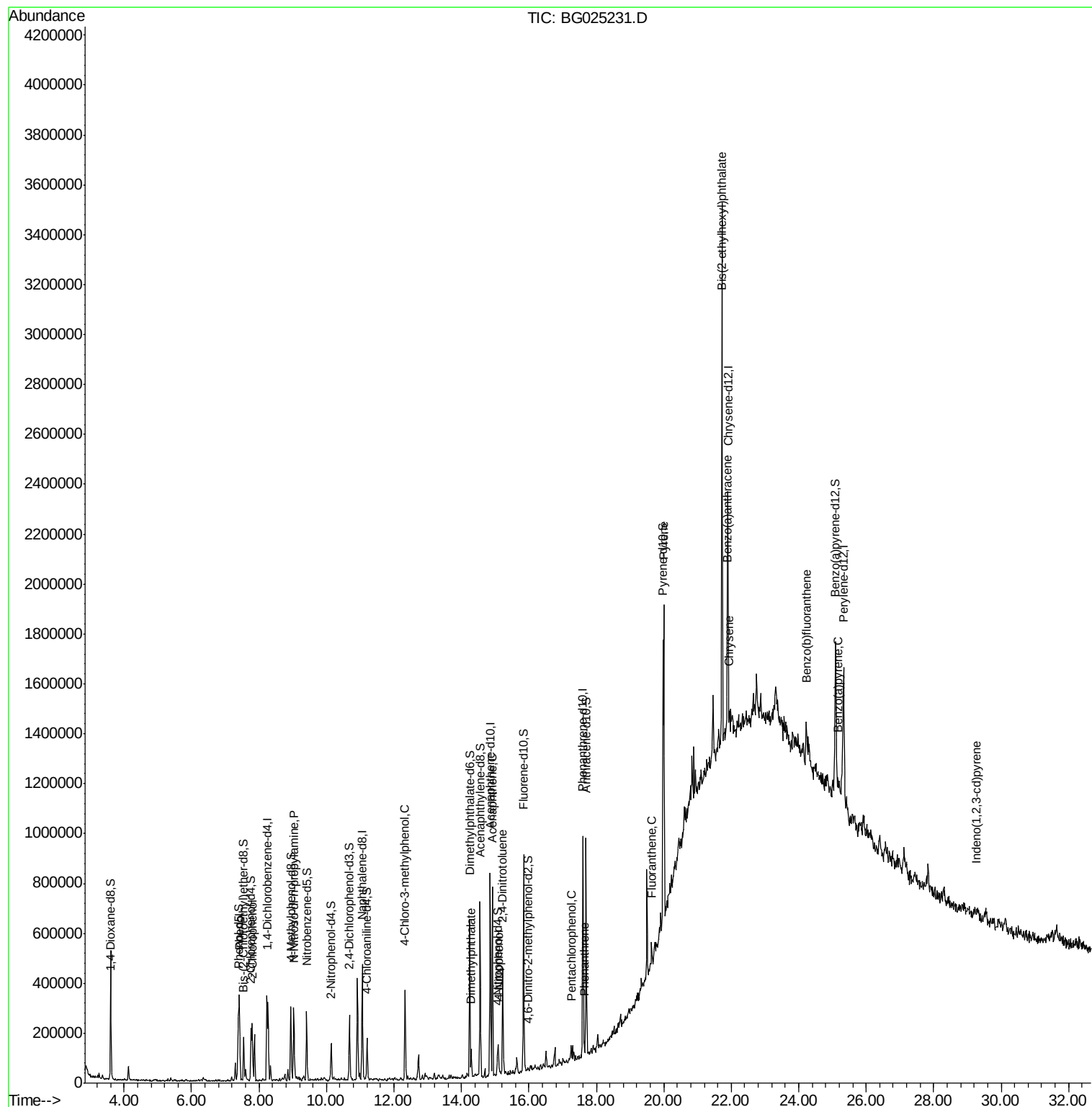
						Ovalue
6) Phenol	7.42	94	165565	21.18	ng/ul	97
10) 2-Chlorophenol	7.80	128	80997	15.13	ng/ul	98
15) N-Nitroso-di-n-propylamine	9.03	70	99080	17.71	ng/ul#	98
33) 4-Chloro-3-methylphenol	12.33	107	131495	17.19	ng/ul	94
44) Dimethylphthalate	14.30	163	61178	3.08	ng/ul	98
49) Acenaphthene	14.92	153	305548	20.74	ng/ul	98
52) 4-Nitrophenol	15.09	109	22434	5.37	ng/ul	96
54) 2,4-Dinitrotoluene	15.23	165	119594	18.60	ng/ul	93
68) Pentachlorophenol	17.25	266	10688	2.51	ng/ul	90
69) Phenanthrene	17.64	178	38587	1.45	ng/ul#	88
74) Fluoranthene	19.64	202	61045	1.93	ng/ul	99
77) Pyrene	20.00	202	806665	24.35	ng/ul#	96
80) Benzo(a)anthracene	21.88	228	68449	1.91	ng/ul#	89
81) Bis(2-ethylhexyl)phthalate	21.72	149	872728	48.89	ng/ul#	97
82) Chrysene	21.94	228	83526	2.49	ng/ul#	88
85) Benzo(b)fluoranthene	24.23	252	116343	3.23	ng/ul#	75
88) Benzo(a)pyrene	25.15	252	66601	1.93	ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	29.27	276	56333	1.31	ng/ul#	91

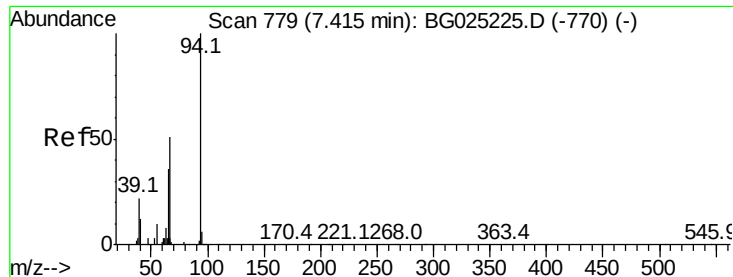
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 21.18 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

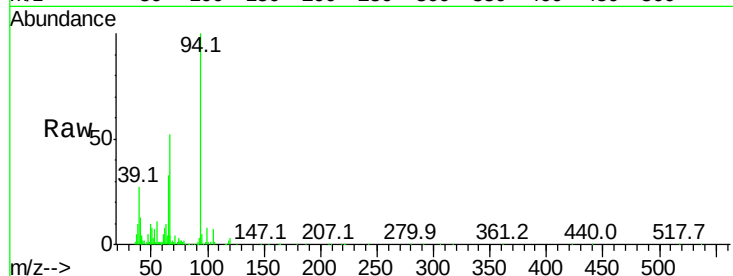
Instrument :

BNA_G

ClientSampled :

Tot Ion: 94 Resp: 165565

Ion	Ratio	Lower	Upper
94	100		
65	33.2	26.8	40.2
66	51.7	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

120000

100000

80000

60000

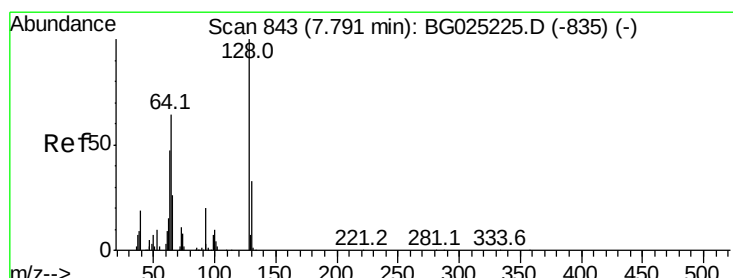
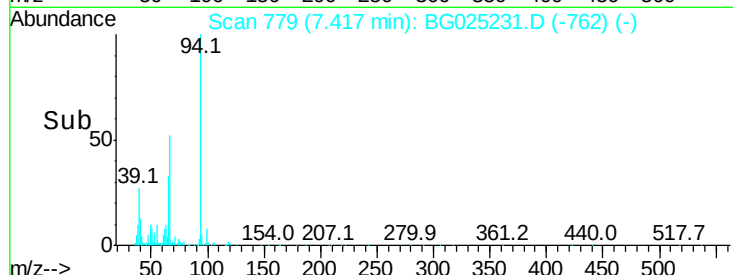
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#10

2-Chlorophenol

Concen: 15.13 ng/ul

RT: 7.80 min Scan# 844

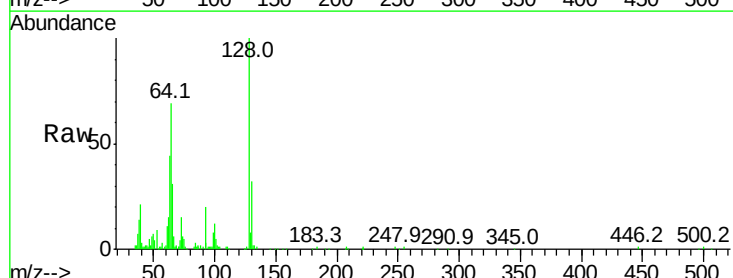
Delta R.T. 0.01 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Tgt Ion:128 Resp: 80997

Ion	Ratio	Lower	Upper
128	100		
64	68.7	56.3	84.5
130	31.8	26.7	40.1



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

60000

50000

40000

30000

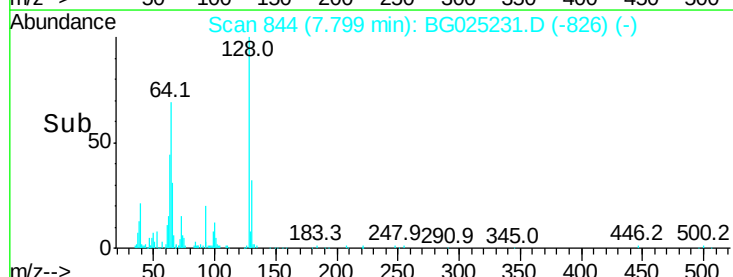
20000

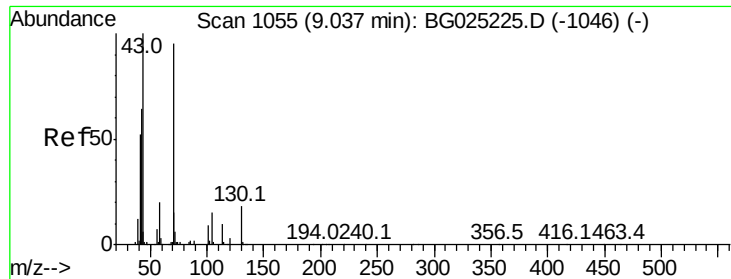
10000

0

7.70 7.75 7.80 7.85

Time-->

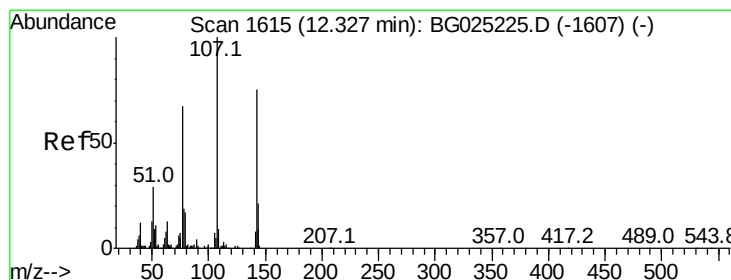
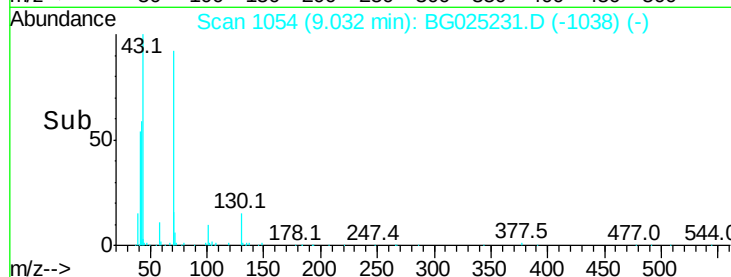
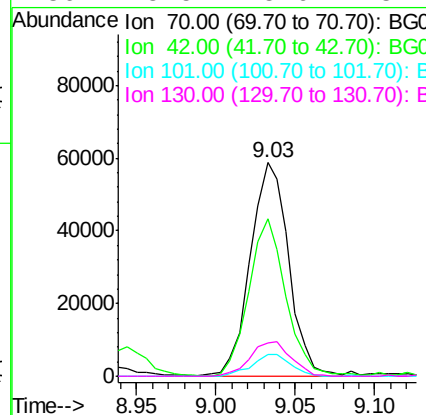
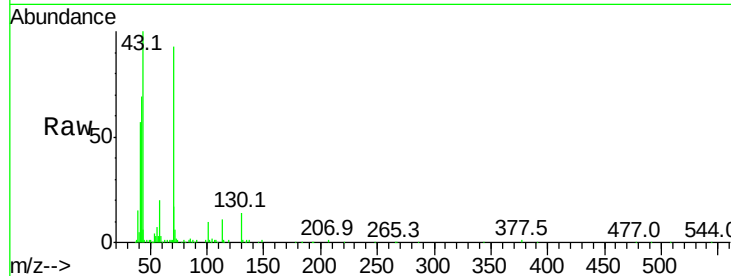




#15
N-Nitroso-di-n-propylamine
Concen: 17.71 ng/ul
RT: 9.03 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BG025231.D
Acq: 16 Dec 2016 3:48

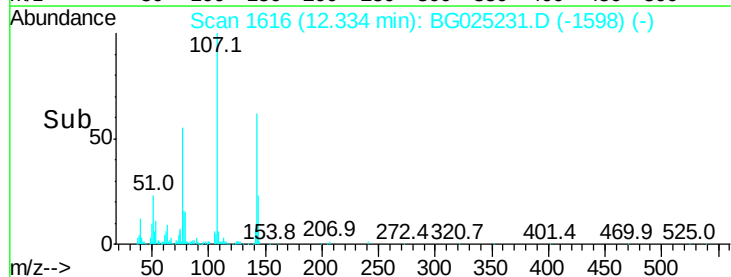
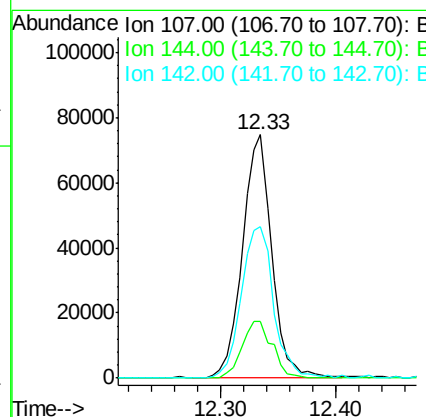
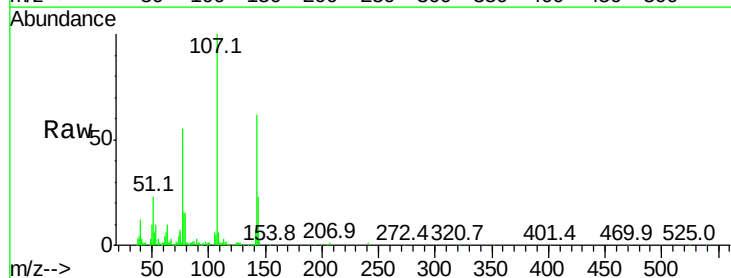
Instrument :
BNA_G
ClientSampleId :

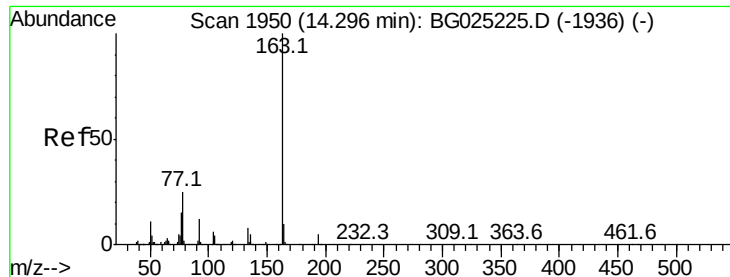
Tot Ion: 70 Resp: 99080
Ion Ratio Lower Upper
70 100
42 73.7 59.0 88.6
101 10.5 6.6 9.8#
130 15.5 15.6 23.4#



#33
4-Chloro-3-methylphenol
Concen: 17.19 ng/ul
RT: 12.33 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BG025231.D
Acq: 16 Dec 2016 3:48

Tgt Ion:107 Resp: 131495
Ion Ratio Lower Upper
107 100
144 23.4 18.2 27.4
142 62.1 55.0 82.4





#44

Dimethylphthalate

Concen: 3.08 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Instrument :

BNA_G

ClientSampled :

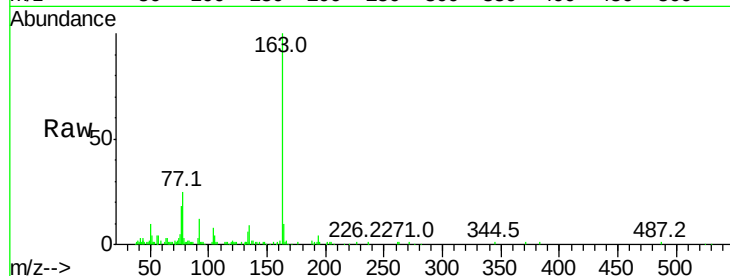
Tot Ion:163 Resp: 61178

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

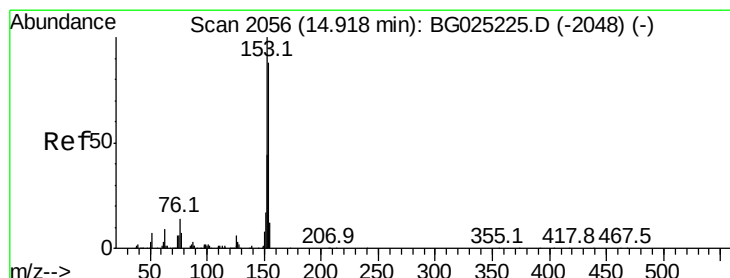
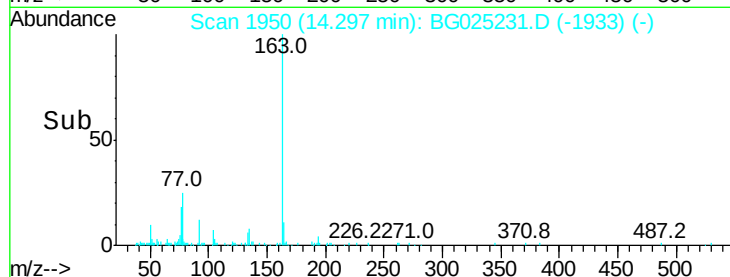
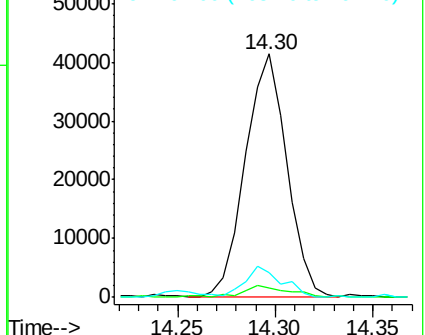
164 10.3 9.0 13.4



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: 20.74 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

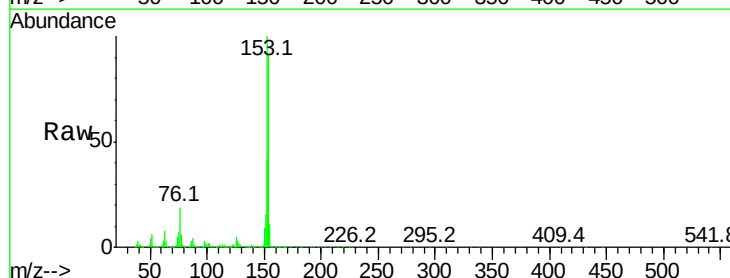
Tgt Ion:153 Resp: 305548

Ion Ratio Lower Upper

153 100

152 41.8 36.5 54.7

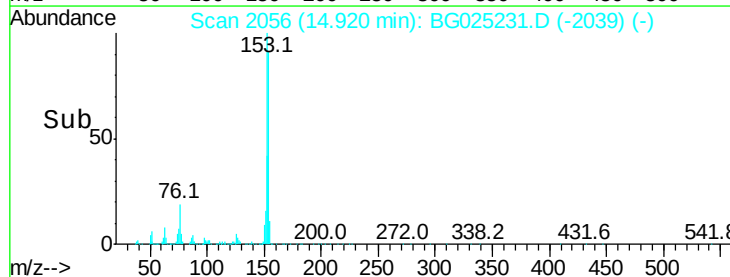
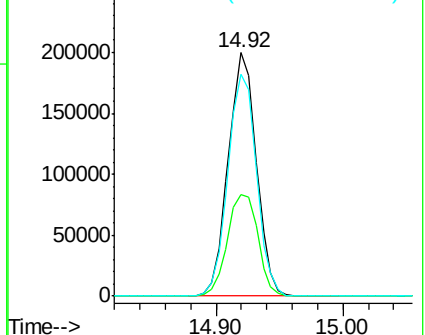
154 90.9 72.3 108.5

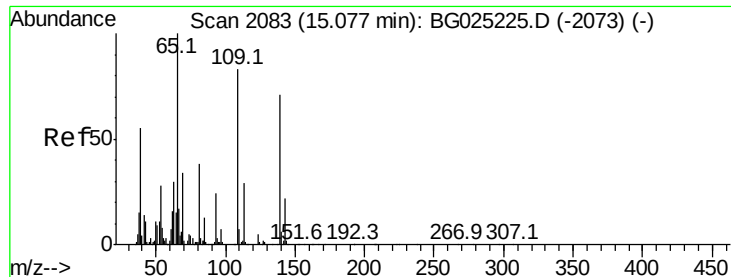


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

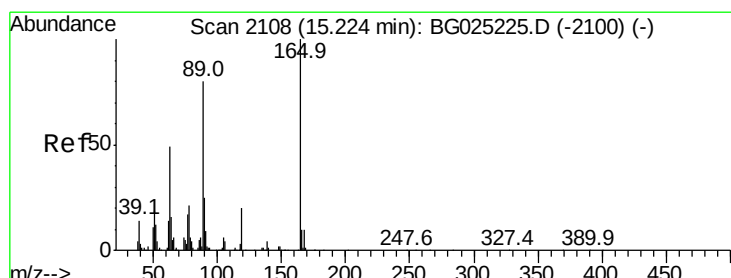
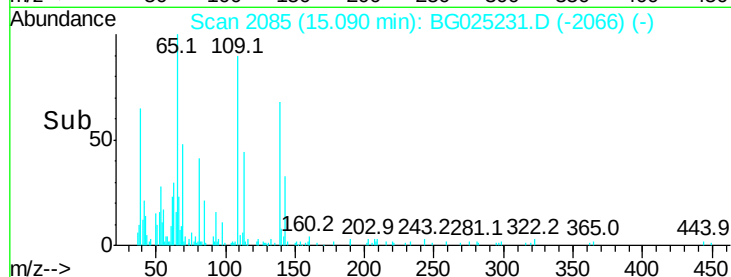
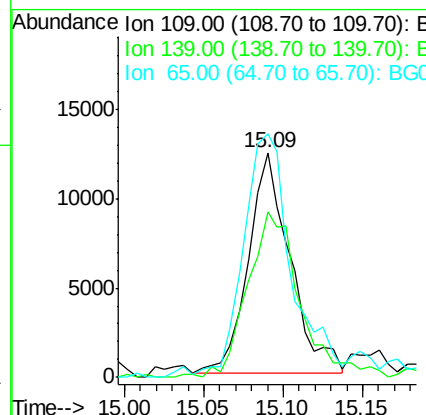
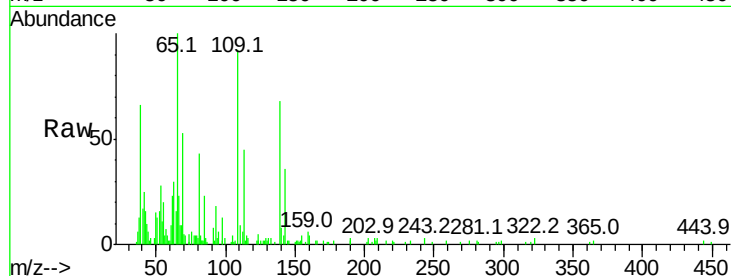




#52
4-Nitrophenol
Concen: 5.37 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BG025231.D
Acq: 16 Dec 2016 3:48

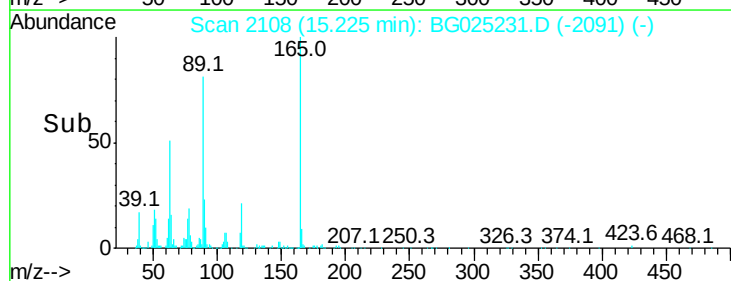
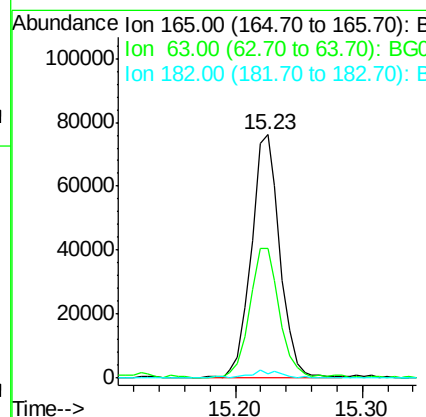
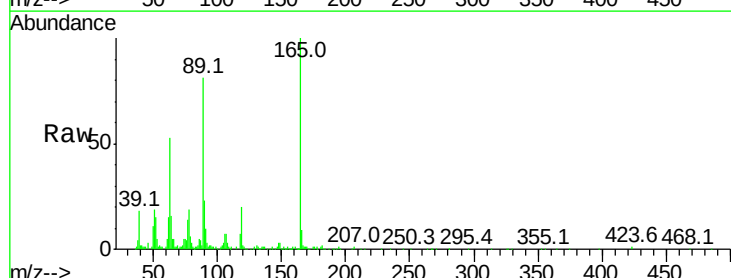
Instrument :
BNA_G
ClientSampleId :

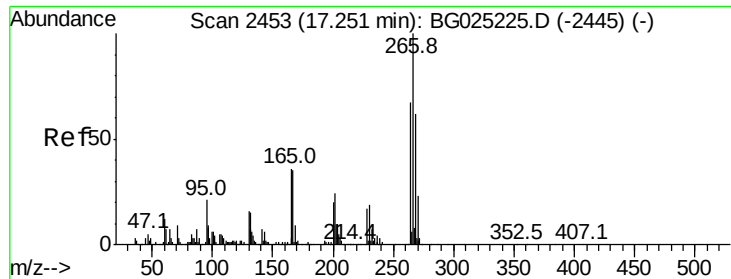
Tot Ion:109 Resp: 22434
Ion Ratio Lower Upper
109 100
139 74.0 62.6 93.8
65 108.5 90.4 135.6



#54
2,4-Dinitrotoluene
Concen: 18.60 ng/ul
RT: 15.23 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BG025231.D
Acq: 16 Dec 2016 3:48

Tgt Ion:165 Resp: 119594
Ion Ratio Lower Upper
165 100
63 53.2 46.8 70.2
182 2.0 1.8 2.6

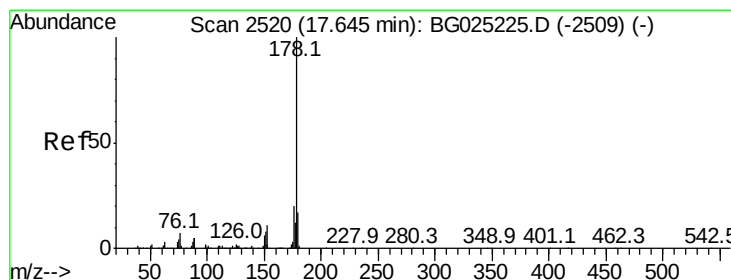
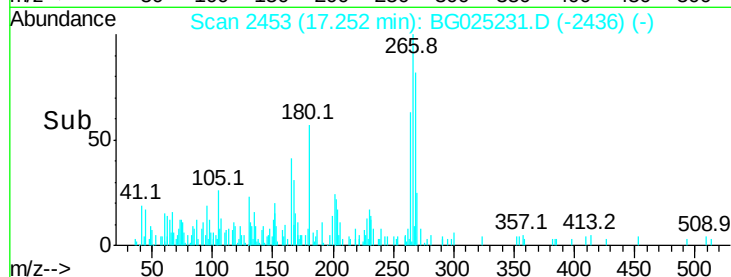
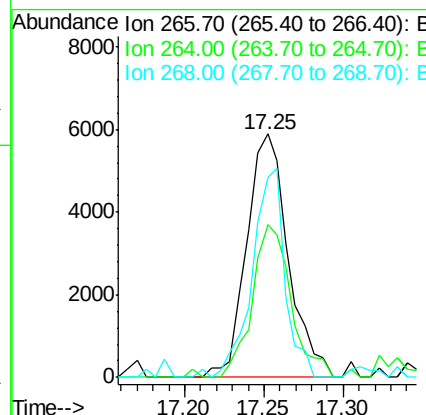
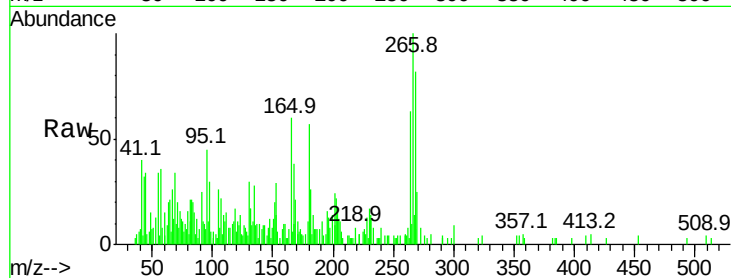




#68
 Pentachlorophenol
 Concen: 2.51 ng/ul
 RT: 17.25 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BG025231.D
 Acq: 16 Dec 2016 3:48

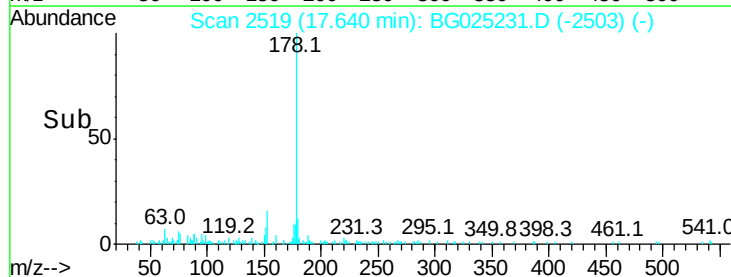
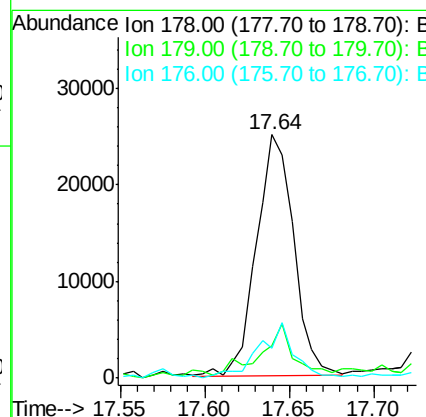
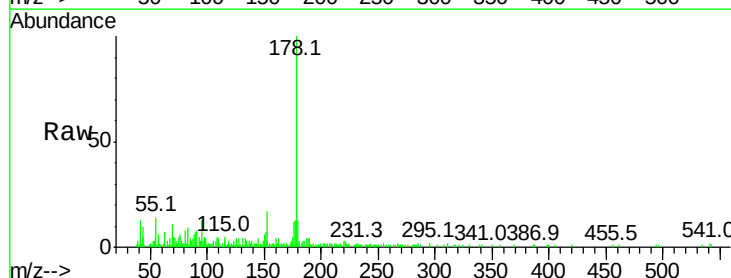
Instrument :
 BNA_G
 ClientSampleId :

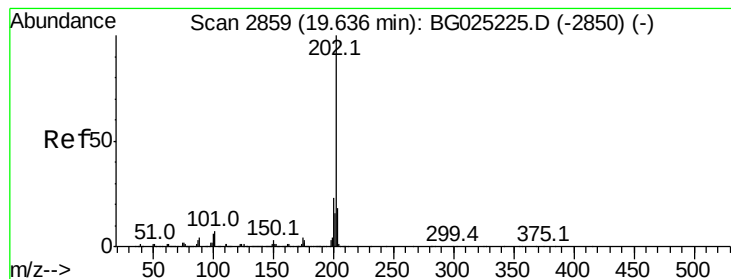
Tot Ion	Ratio	Lower	Upper
266	100		
264	62.7	47.1	70.7
268	82.3	56.2	84.4



#69
 Phenanthrene
 Concen: 1.45 ng/ul
 RT: 17.64 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG025231.D
 Acq: 16 Dec 2016 3:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.1	12.4	18.6
176	12.5	16.5	24.7





#74

Fluoranthene

Concen: 1.93 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BG025231.D

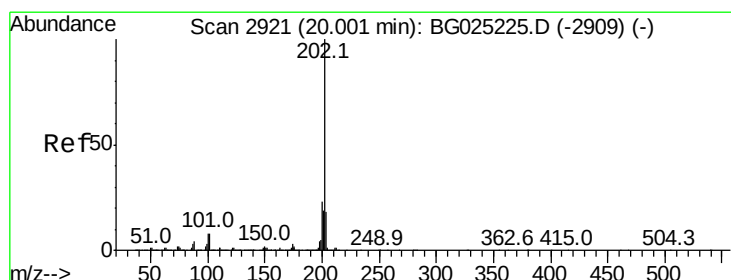
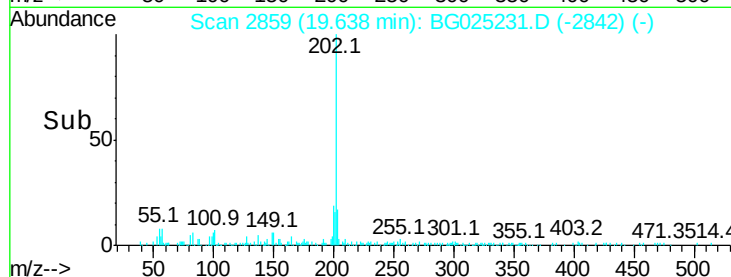
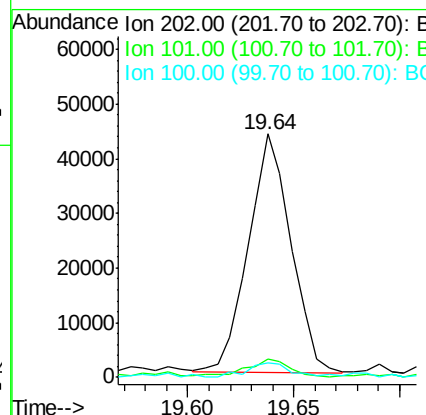
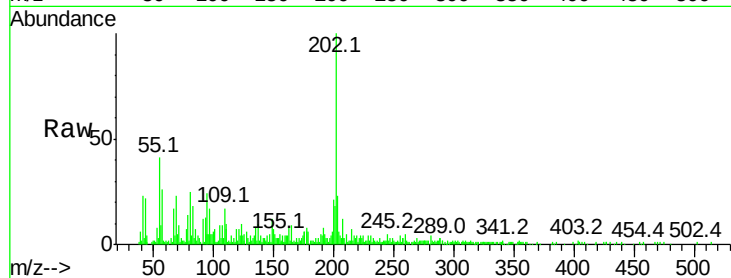
Acq: 16 Dec 2016 3:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	61045
Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.2
100	6.1	5.2	7.8



#77

Pyrene

Concen: 24.35 ng/ul

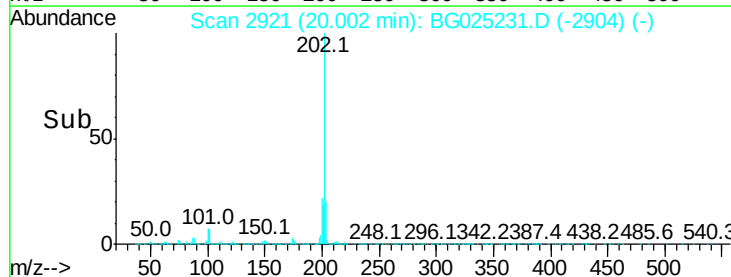
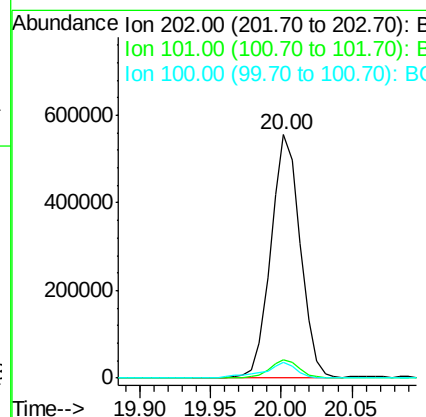
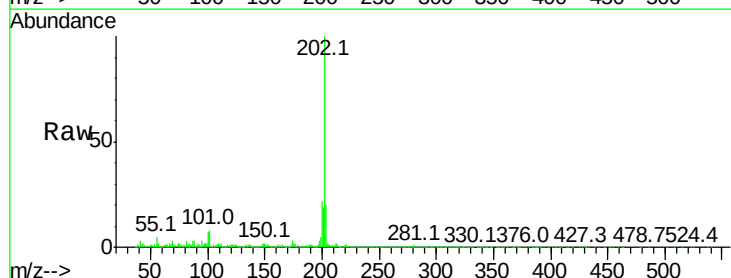
RT: 20.00 min Scan# 2921

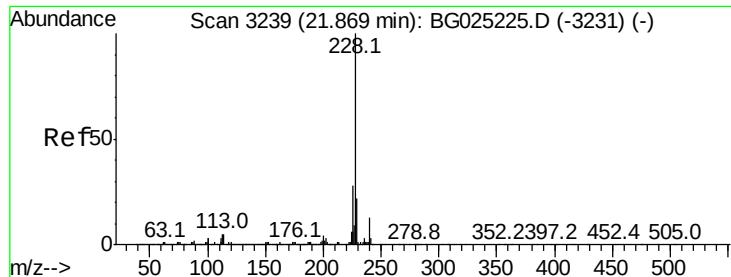
Delta R.T. 0.00 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Tgt Ion:	202	Resp:	806665
Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.9	10.3
100	6.6	6.6	10.0#





#80

Benzo(a)anthracene

Concen: 1.91 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

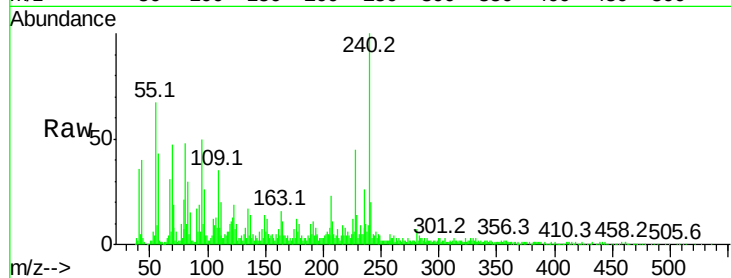
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 68449

Ion	Ratio	Lower	Upper
228	100		
229	31.1	16.3	24.5#
226	26.0	21.9	32.9

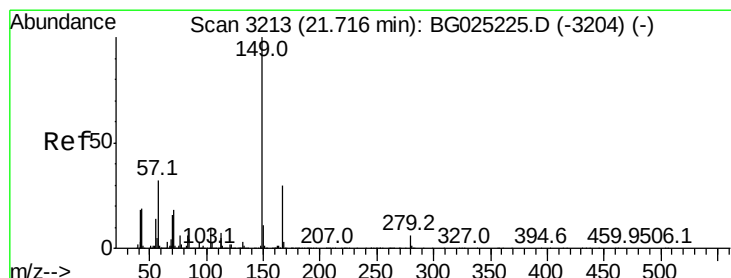
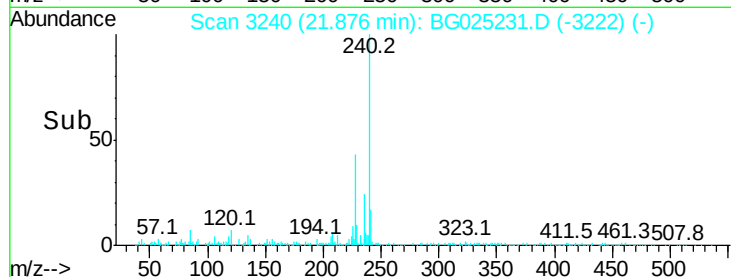
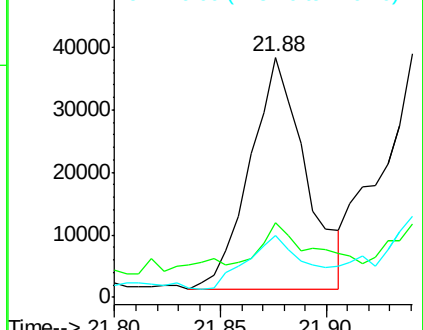


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 48.89 ng/ul

RT: 21.72 min Scan# 3214

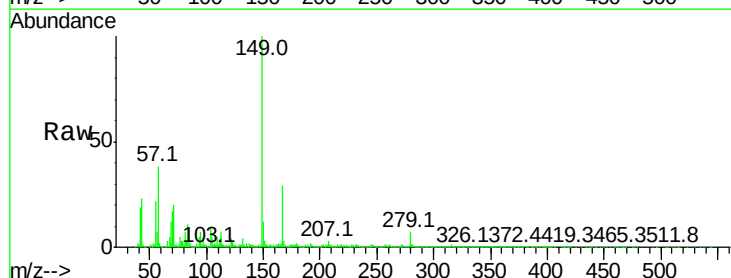
Delta R.T. 0.01 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Tgt Ion:149 Resp: 872728

Ion	Ratio	Lower	Upper
149	100		
167	28.7	21.8	32.8
279	6.9	4.5	6.7#

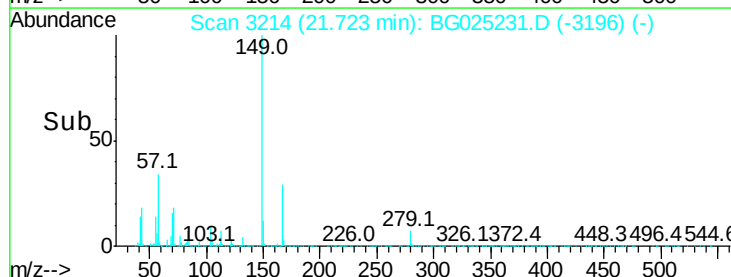
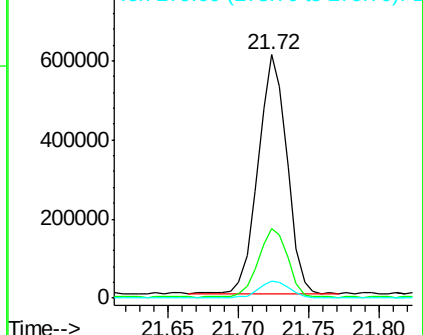


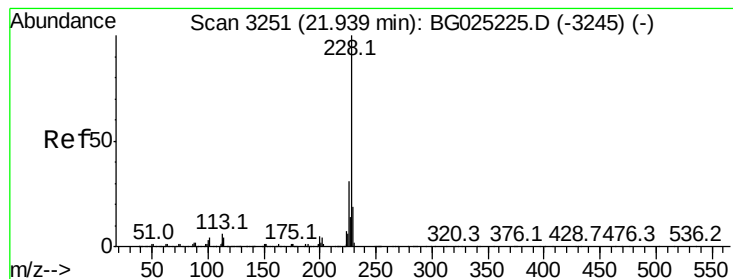
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 2.49 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Instrument :

BNA_G

ClientSampled :

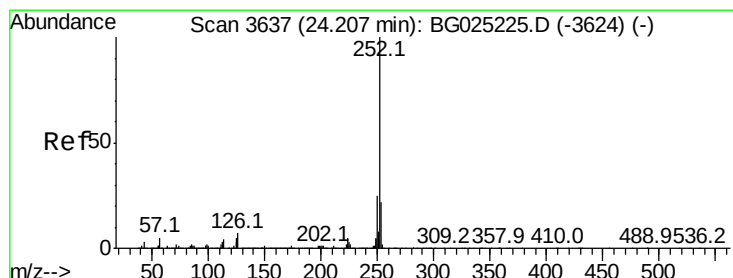
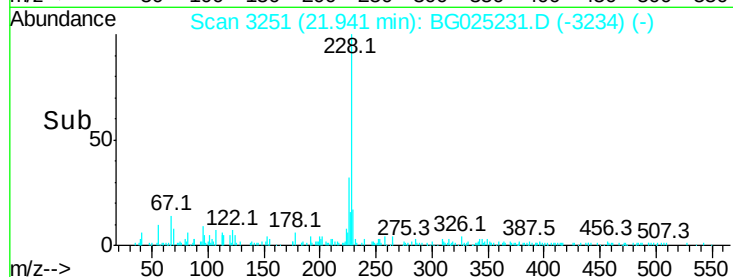
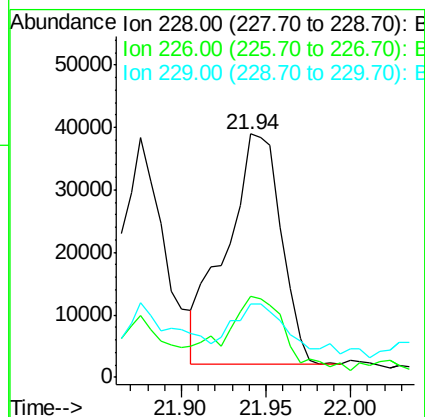
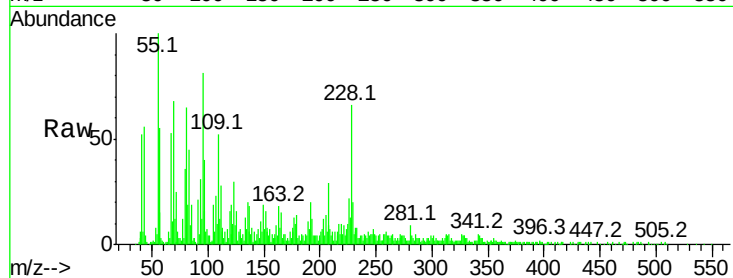
Tot Ion:228 Resp: 83526

Ion Ratio Lower Upper

228 100

226 33.5 24.0 36.0

229 30.4 16.9 25.3#



#85

Benzo(b)fluoranthene

Concen: 3.23 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.02 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

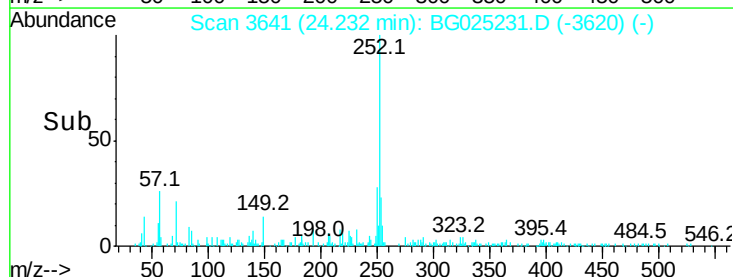
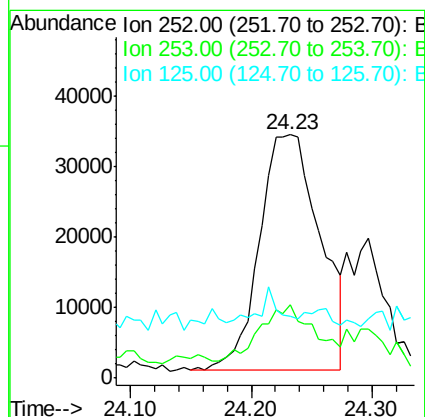
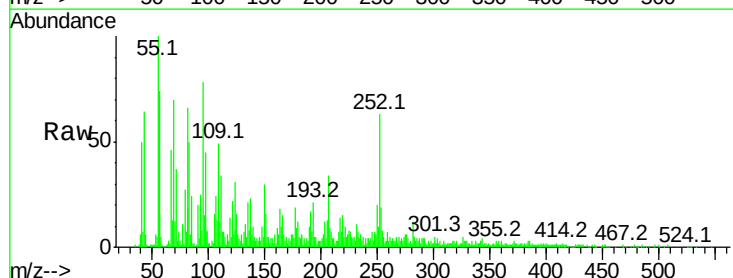
Tgt Ion:252 Resp: 116343

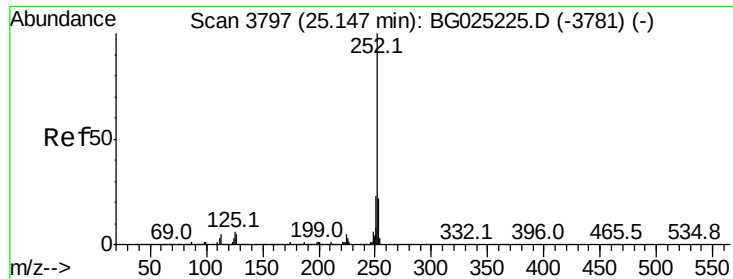
Ion Ratio Lower Upper

252 100

253 29.9 17.7 26.5#

125 25.2 4.0 6.0#





#88

Benzo(a)pyrene

Concen: 1.93 ng/ul

RT: 25.15 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Instrument :

BNA_G

ClientSampleId :

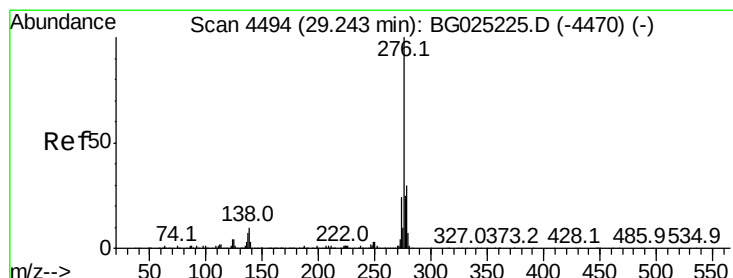
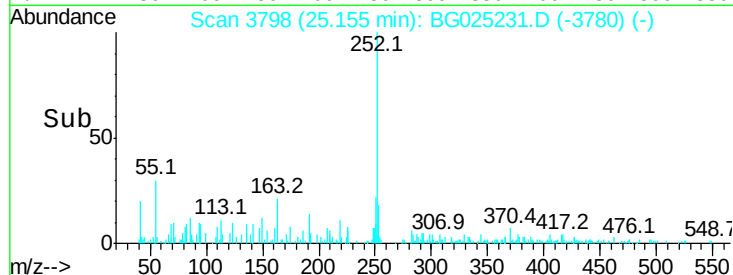
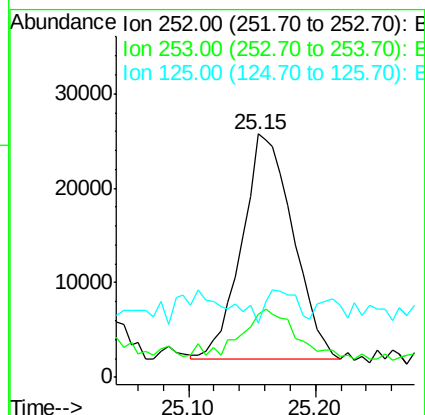
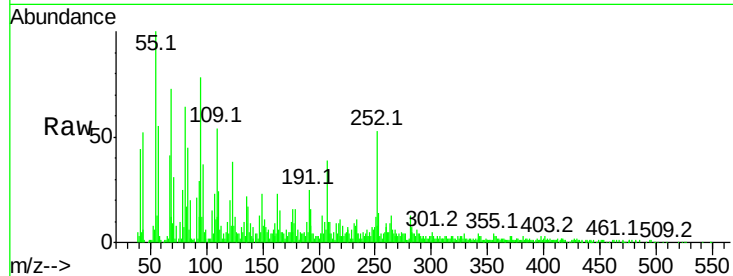
Tot Ion:252 Resp: 66601

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 22.2 5.4 8.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.31 ng/ul

RT: 29.27 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BG025231.D

Acq: 16 Dec 2016 3:48

Tgt Ion:276 Resp: 56333

Ion Ratio Lower Upper

276 100

138 13.8 8.2 12.4#

277 27.6 18.6 28.0

