

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029231.D
 Acq On : 14 Oct 2017 20:13
 Operator : SJ/JU
 Sample : I5548-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 01:40:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 01:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	106374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	460033	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	251888	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	512926	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	436553	20.00	ng/ul	0.00
83) Perylene-d12	25.15	264	395347	20.00	ng/ul	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.55	96	9789	3.74	ng/uL	0.00
5) Phenol-d5	7.32	99	203819	19.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	129939	20.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	154862	21.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	147411	17.88	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	75143	22.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	80458	23.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	152832	19.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	61232	6.84	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	457376	21.24	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	603524	23.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	64379	16.19	ng/ul	0.00
57) Fluorene-d10	15.77	176	399219	22.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	34732	13.87	ng/ul	0.00
70) Anthracene-d10	17.62	188	572191	23.59	ng/ul	0.00
76) Pyrene-d10	19.90	212	568016	25.14	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.91	264	445027	23.77	ng/ul	0.04

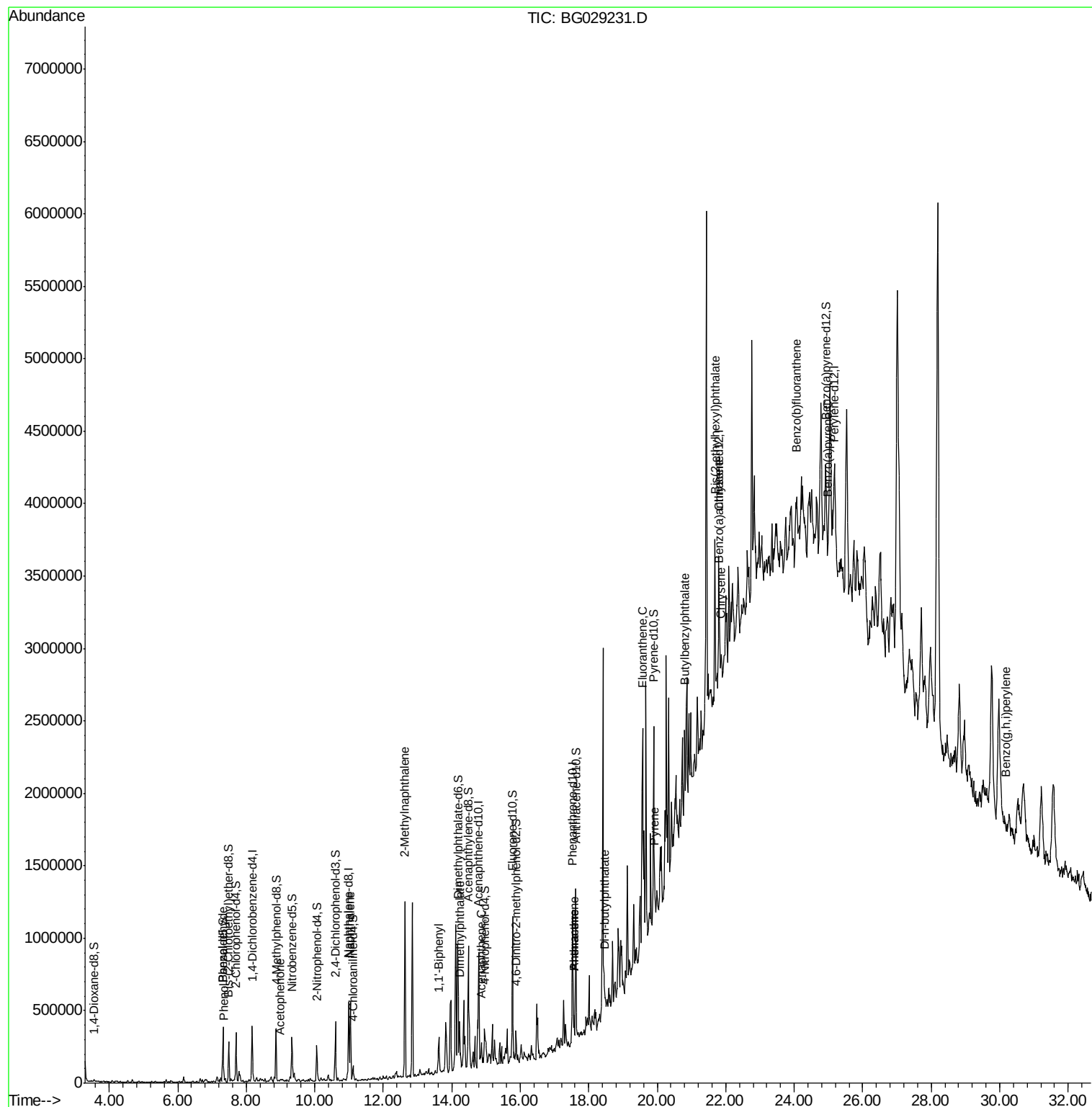
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Benzaldehyde	7.31	77	6596	1.05	ng/ul#	17
6) Phenol	7.34	94	22021	2.08	ng/ul	91
14) Acetophenone	8.99	105	13494	1.07	ng/ul#	72
28) Naphthalene	11.04	128	439385	18.05	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	576010	28.59	ng/ul	96
40) 1,1'-Biphenyl	13.62	154	104440	5.03	ng/ul	96
44) Dimethylphthalate	14.23	163	154507	7.36	ng/ul#	95
49) Acenaphthene	14.86	153	22387	1.22	ng/ul#	48
69) Phenanthrene	17.56	178	102030	3.68	ng/ul	94
71) Anthracene	17.56	178	102030	3.57	ng/ul	95
73) Di-n-butylphthalate	18.47	149	40280	1.30	ng/ul#	96
74) Fluoranthene	19.56	202	84124	2.71	ng/ul#	64
77) Pyrene	19.93	202	85053	2.91	ng/ul#	82
78) Butylbenzylphthalate	20.80	149	149210	12.58	ng/ul#	76
80) Benzo(a)anthracene	21.78	228	43089	1.57	ng/ul#	60
81) Bis(2-ethylhexyl)phthalate	21.68	149	439483	25.56	ng/ul	96
82) Chrysene	21.85	228	45613	1.83	ng/ul#	65
85) Benzo(b)fluoranthene	24.08	252	53327	2.25	ng/ul#	1
88) Benzo(a)pyrene	24.98	252	30304	1.31	ng/ul#	1
91) Benzo(g,h,i)perylene	30.17	276	26222	1.21	ng/ul#	2

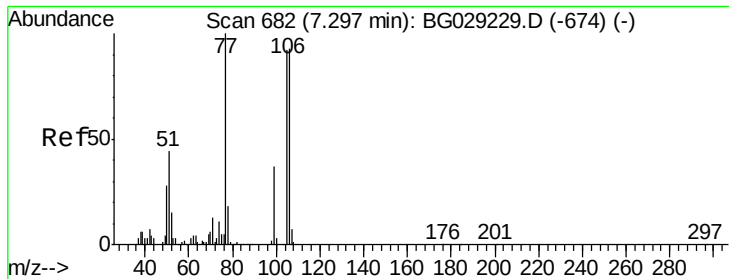
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.05 ng/ul

RT: 7.31 min Scan# 685

Delta R.T. 0.02 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampled :

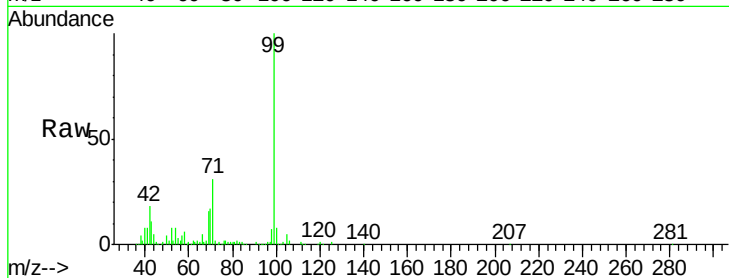
Tot Ion: 77 Resp: 6596

Ion Ratio Lower Upper

77 100

105 229.4 70.5 105.7#

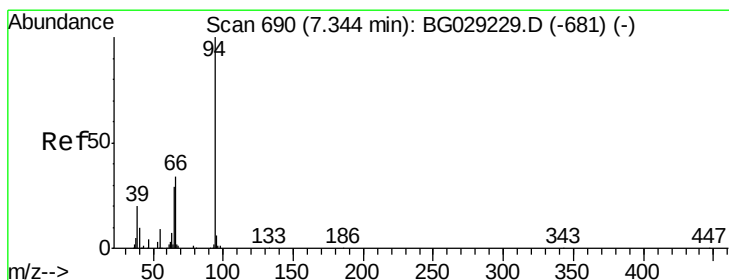
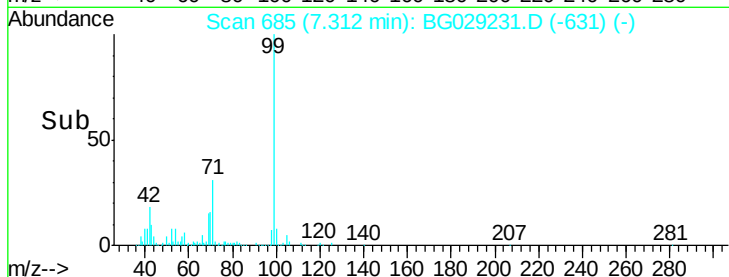
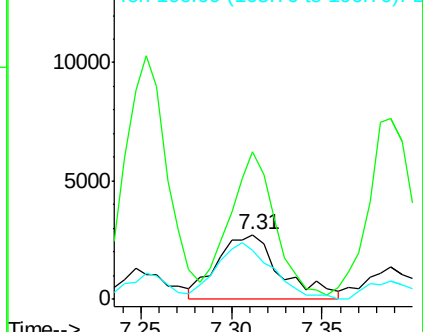
106 76.2 74.1 111.1



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



#6

Phenol

Concen: 2.08 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

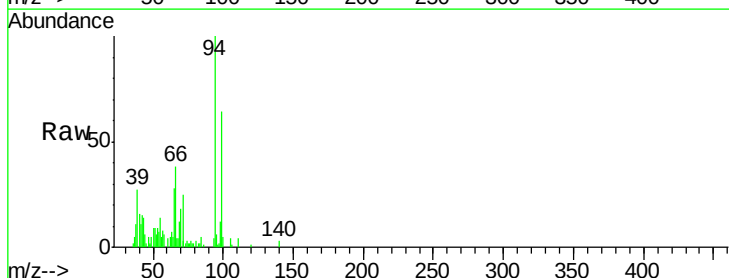
Tgt Ion: 94 Resp: 22021

Ion Ratio Lower Upper

94 100

65 28.3 27.1 40.7

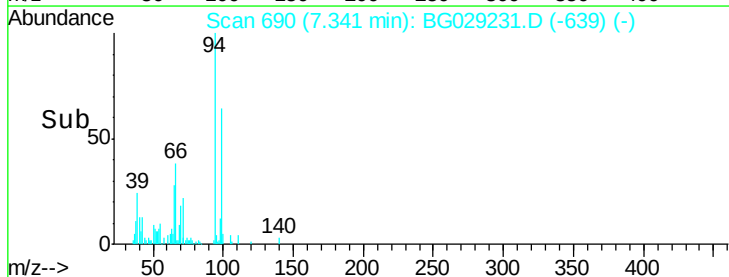
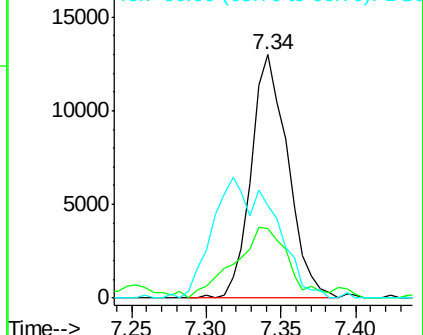
66 38.0 34.6 52.0

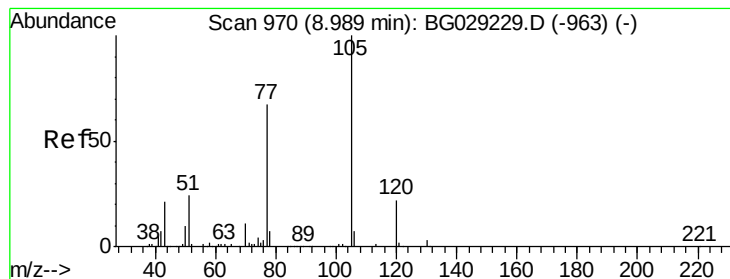


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#14

Acetophenone

Concen: 1.07 ng/ul

RT: 8.99 min Scan# 971

Delta R.T. 0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampleId :

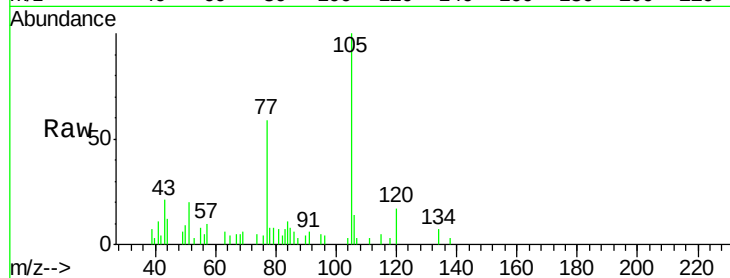
Tot Ion:105 Resp: 13494

Ion Ratio Lower Upper

105 100

77 59.1 70.2 105.2#

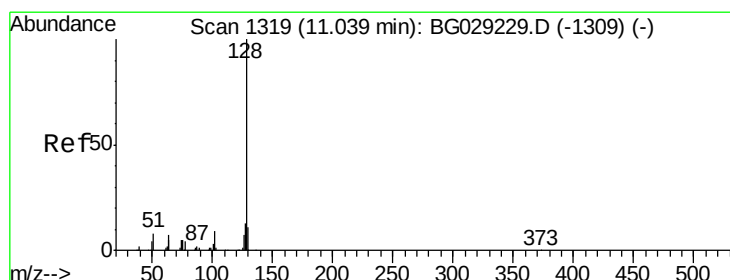
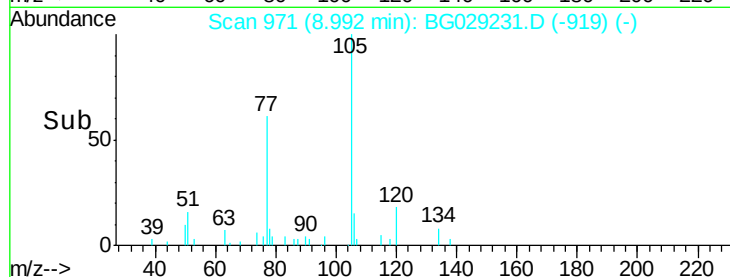
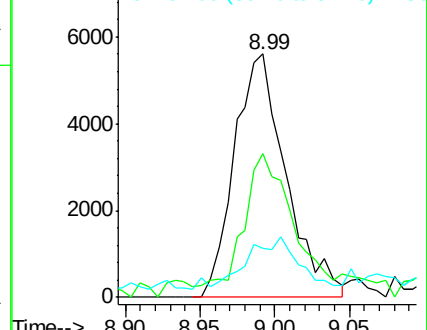
51 20.1 24.6 36.8#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG029229.D (-963) (-)

Ion 51.00 (50.70 to 51.70): BG029229.D (-963) (-)



#28

Naphthalene

Concen: 18.05 ng/ul

RT: 11.04 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

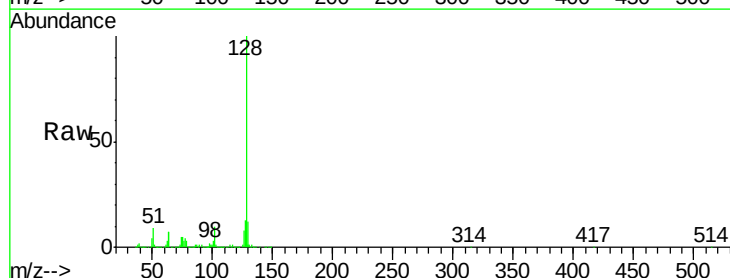
Tgt Ion:128 Resp: 439385

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

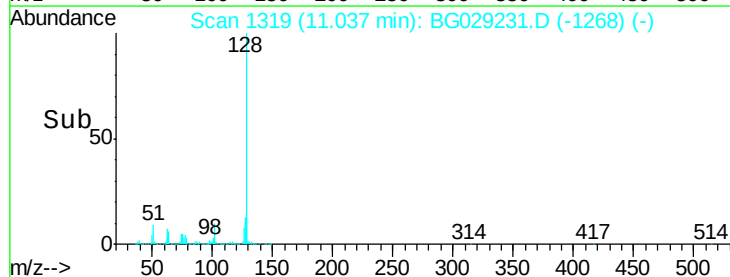
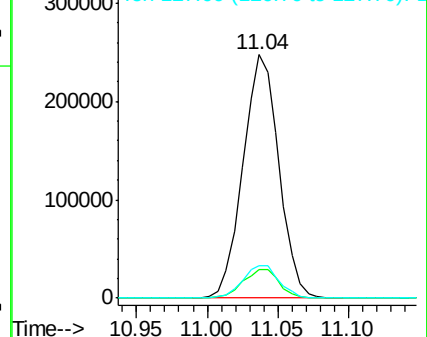
127 13.1 10.7 16.1

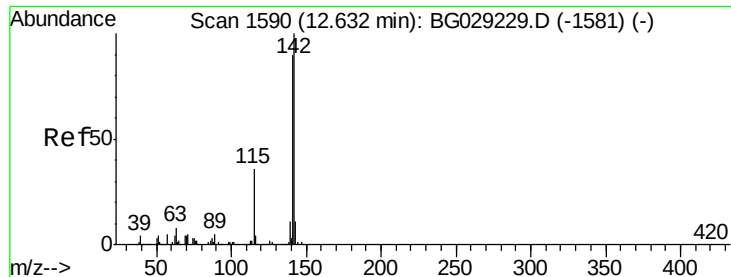


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

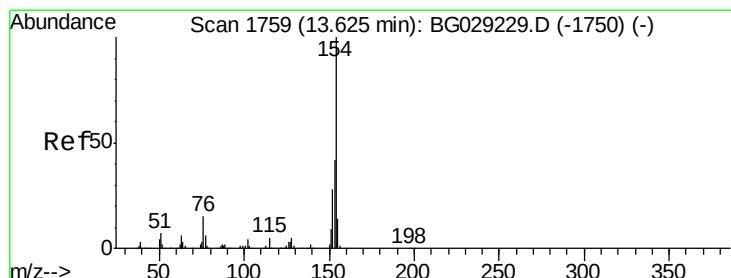
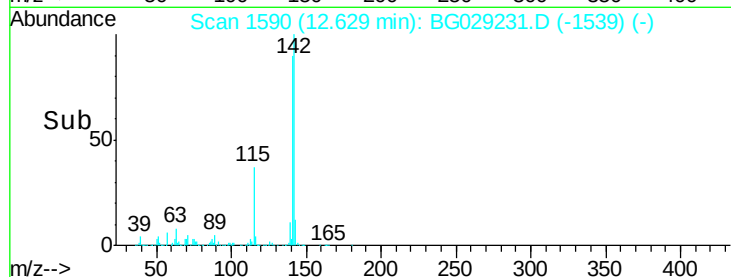
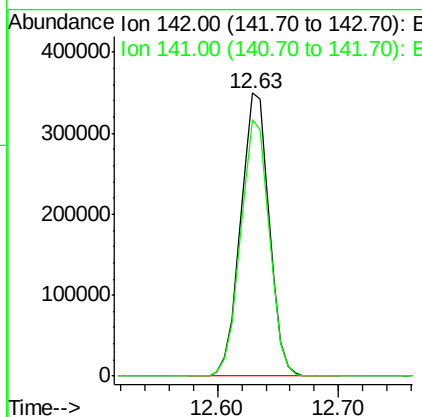
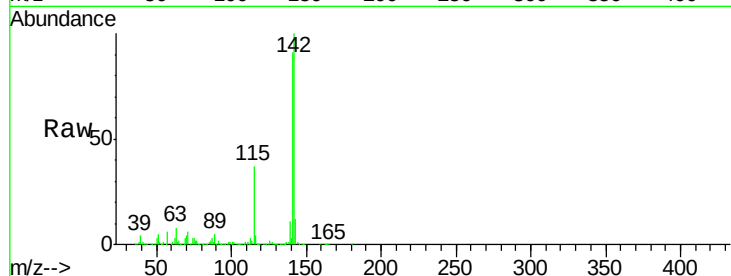




#34
 2-Methylnaphthalene
 Concen: 28.59 ng/ul
 RT: 12.63 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BG029231.D
 Acq: 14 Oct 2017 20:13

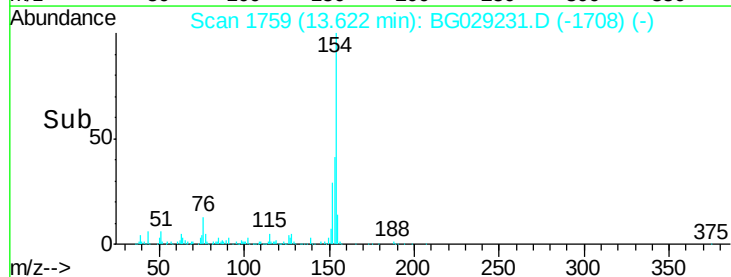
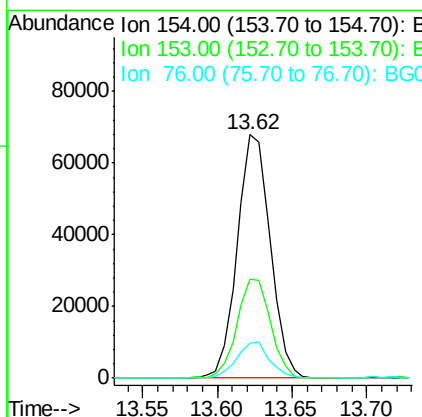
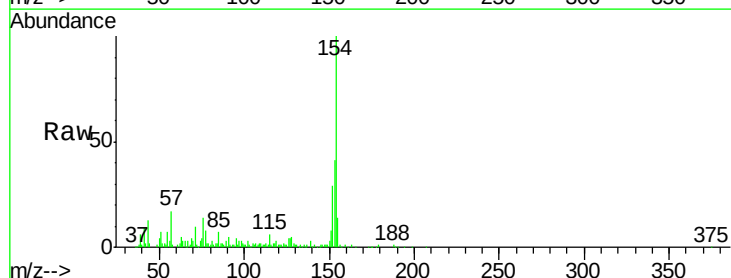
Instrument :
 BNA_G
 ClientSampleId :

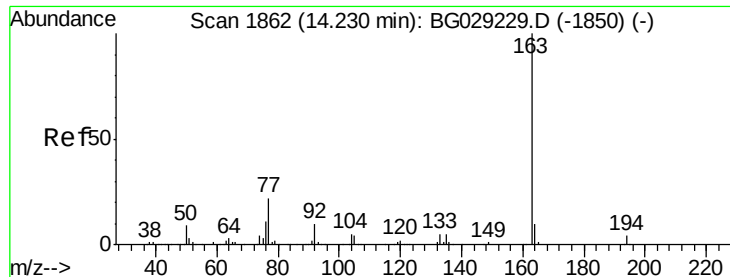
Tot Ion:142 Resp: 576010
 Ion Ratio Lower Upper
 142 100
 141 90.6 75.4 113.0



#40
 1,1'-Biphenyl
 Concen: 5.03 ng/ul
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG029231.D
 Acq: 14 Oct 2017 20:13

Tgt Ion:154 Resp: 104440
 Ion Ratio Lower Upper
 154 100
 153 40.8 34.6 52.0
 76 14.3 10.6 15.8





#44

Dimethylphthalate

Concen: 7.36 ng/ul

RT: 14.23 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampled :

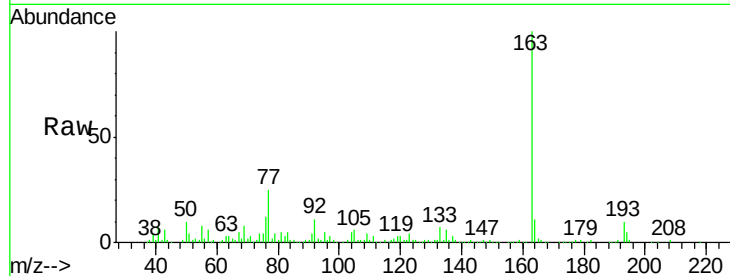
Tot Ion:163 Resp: 154507

Ion Ratio Lower Upper

163 100

194 5.5 3.5 5.3#

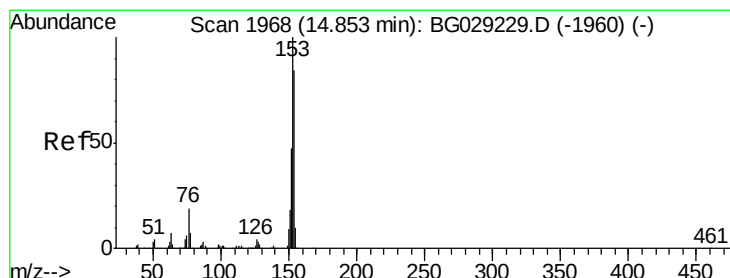
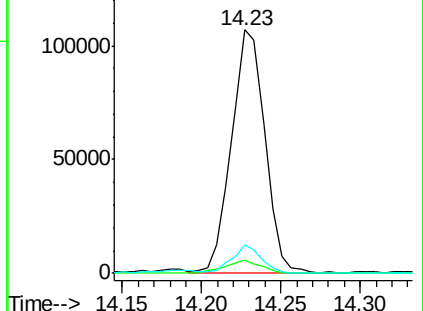
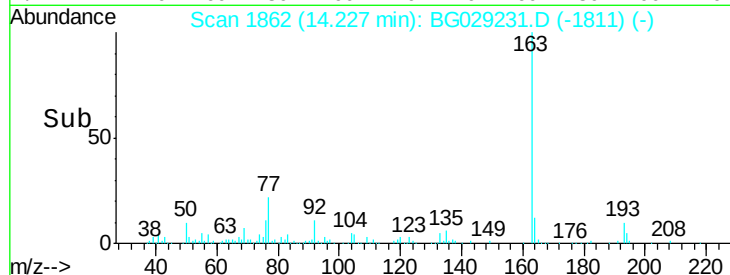
164 11.5 7.6 11.4#



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: 1.22 ng/ul

RT: 14.86 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

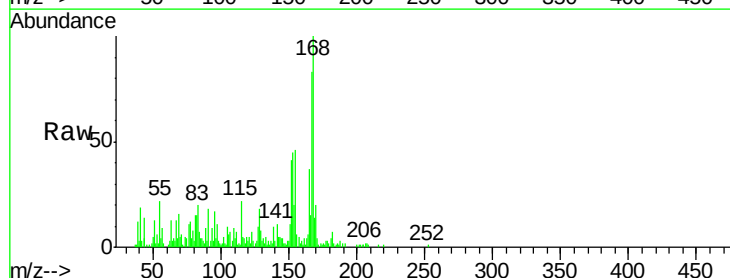
Tgt Ion:153 Resp: 22387

Ion Ratio Lower Upper

153 100

152 89.6 38.2 57.2#

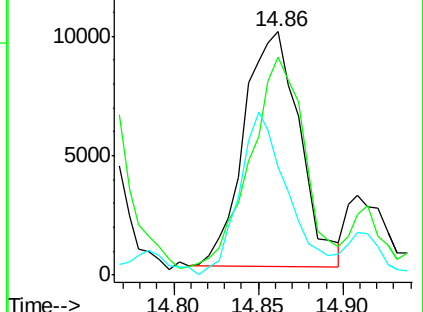
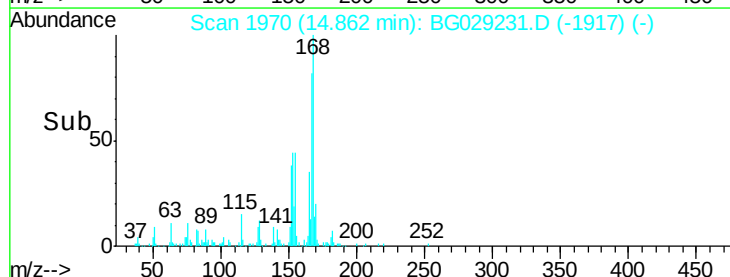
154 44.5 70.6 105.8#

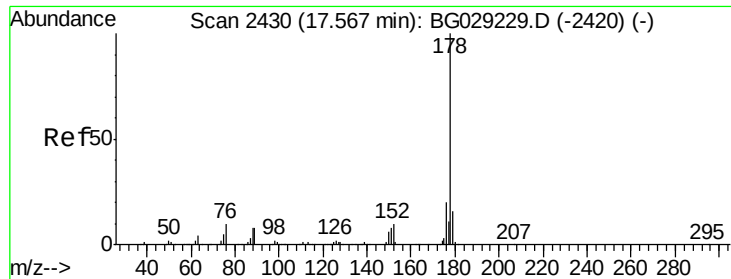


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#69

Phenanthrene

Concen: 3.68 ng/ul

RT: 17.56 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampleId :

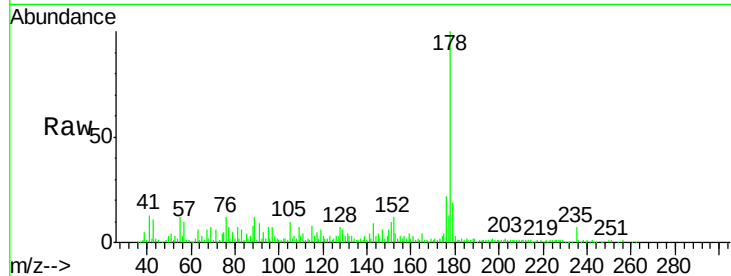
Tot Ion:178 Resp: 102030

Ion Ratio Lower Upper

178 100

179 18.7 13.0 19.6

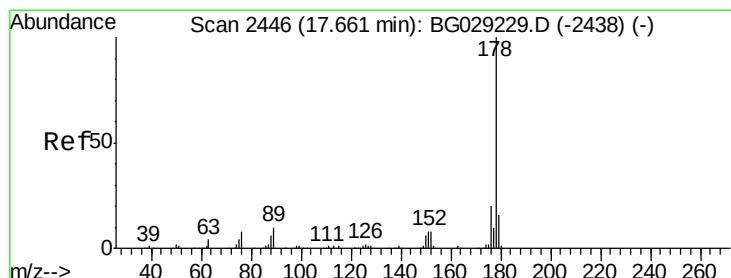
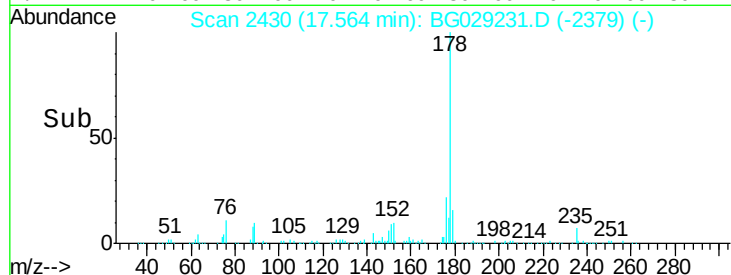
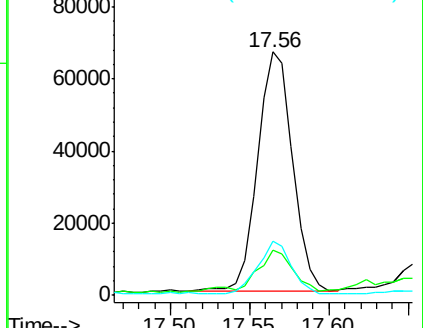
176 22.3 15.3 22.9



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



#71

Anthracene

Concen: 3.57 ng/ul

RT: 17.56 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

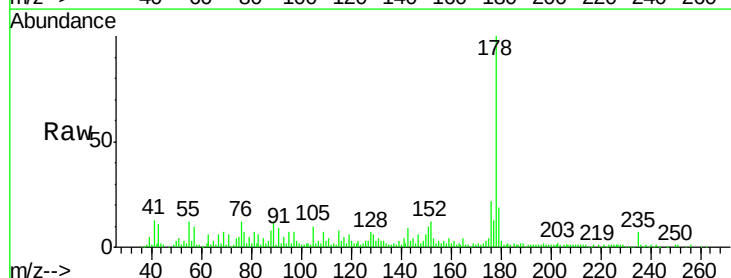
Tgt Ion:178 Resp: 102030

Ion Ratio Lower Upper

178 100

179 18.7 13.2 19.8

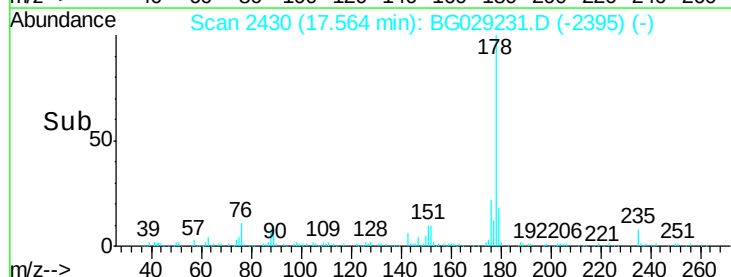
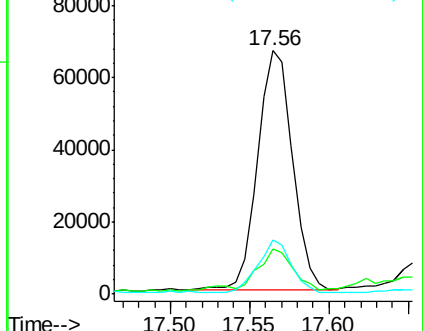
176 22.3 16.0 24.0

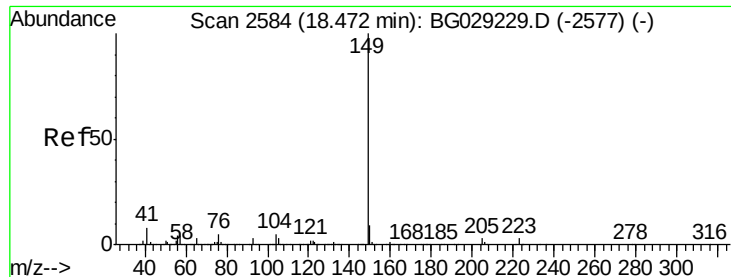


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

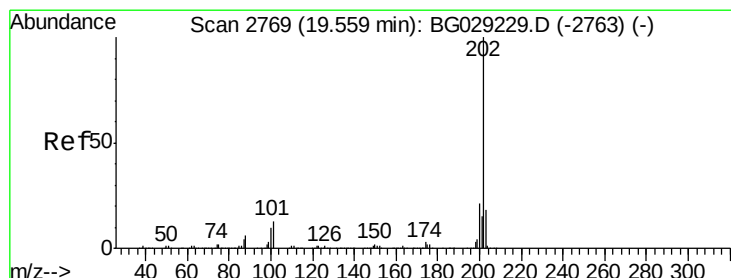
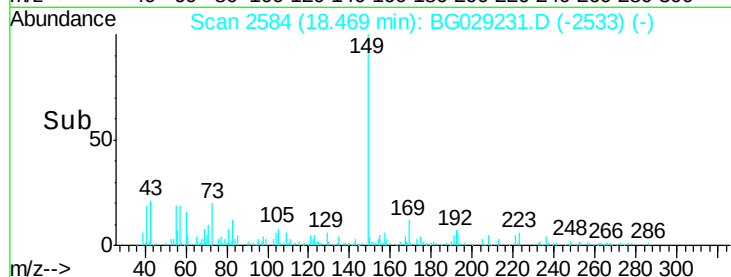
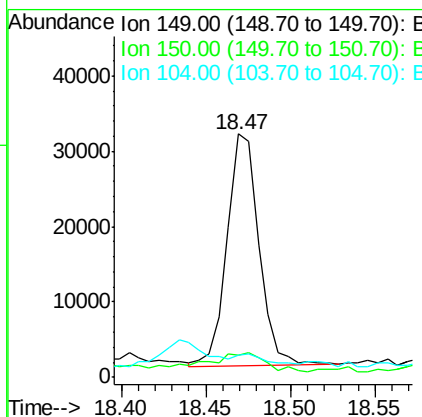
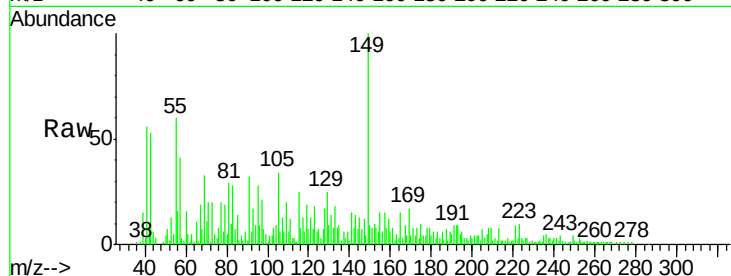




#73
Di-n-butylphthalate
Concen: 1.30 ng/ul
RT: 18.47 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BG029231.D
Acq: 14 Oct 2017 20:13

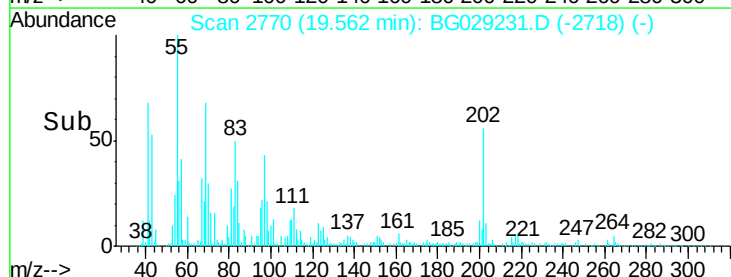
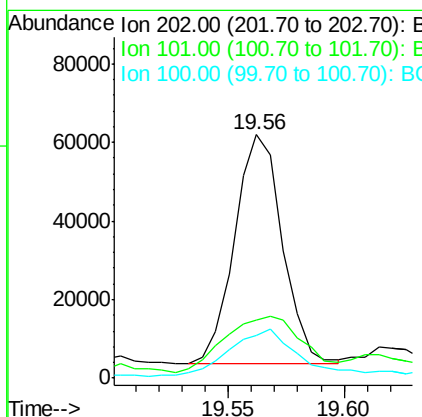
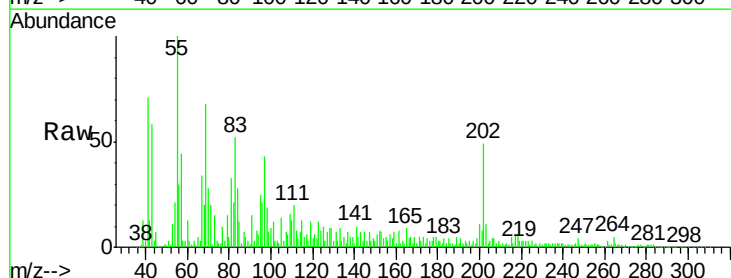
Instrument :
BNA_G
ClientSampleId :

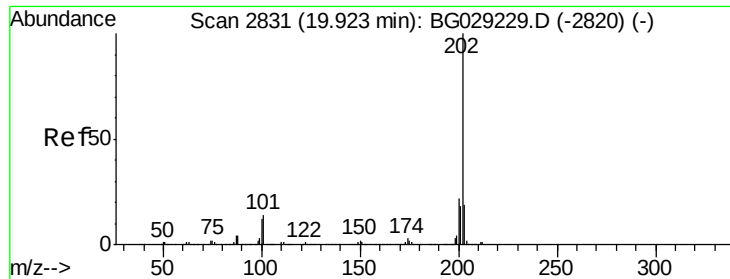
Tot Ion:149 Resp: 40280
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 9.4 4.6 7.0#



#74
Fluoranthene
Concen: 2.71 ng/ul
RT: 19.56 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BG029231.D
Acq: 14 Oct 2017 20:13

Tgt Ion:202 Resp: 84124
Ion Ratio Lower Upper
202 100
101 23.7 7.4 11.2#
100 17.5 5.6 8.4#

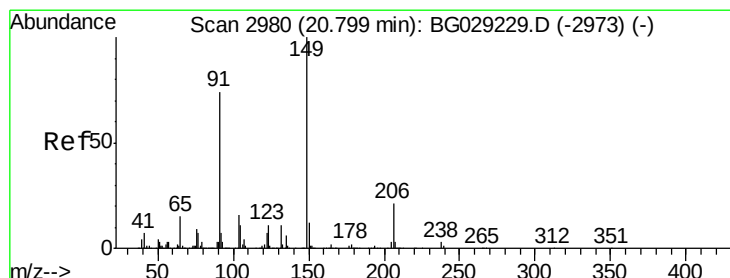
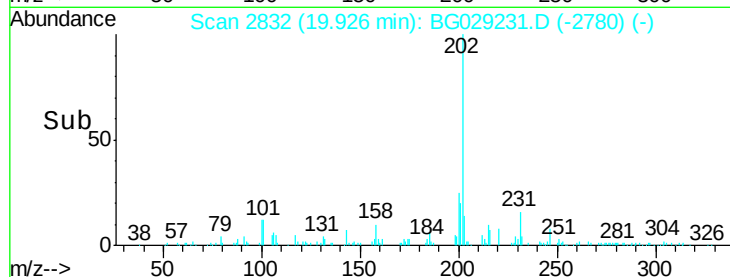
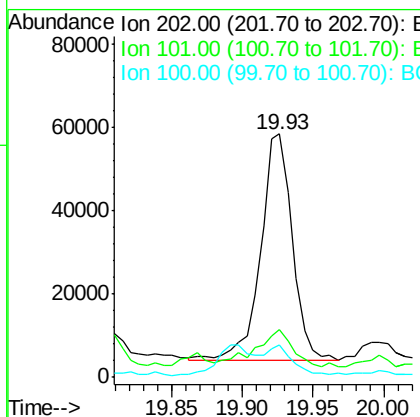
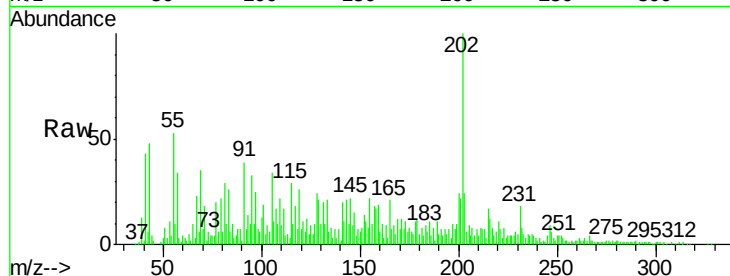




#77
Pvrene
Concen: 2.91 ng/ul
RT: 19.93 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG029231.D
Acq: 14 Oct 2017 20:13

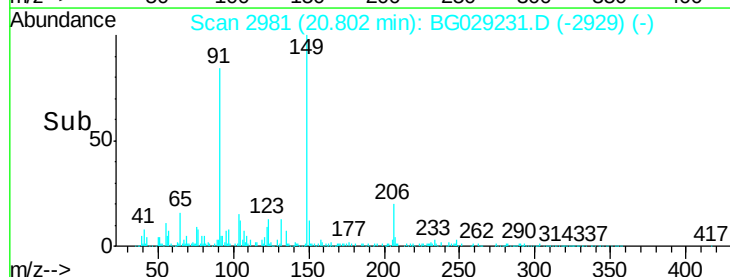
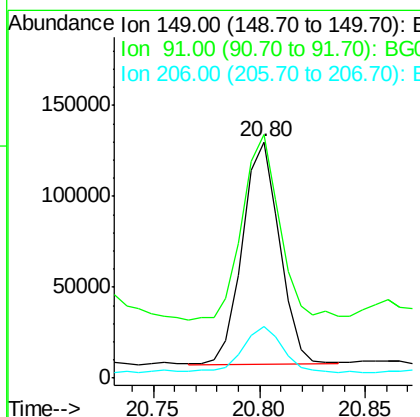
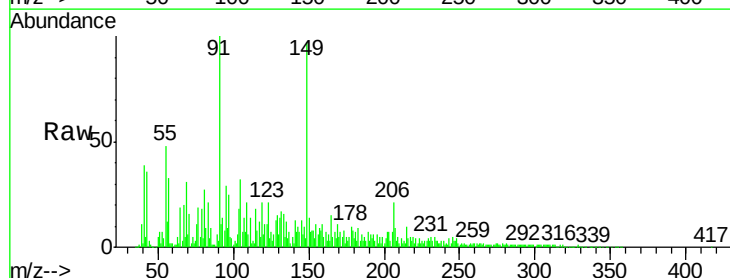
Instrument :
BNA_G
ClientSampleId :

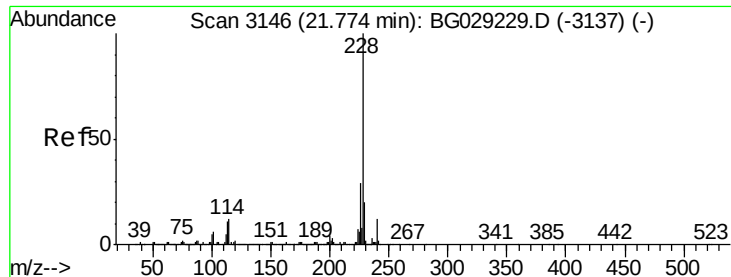
Tot Ion	Ratio	Lower	Upper
202	100		
101	19.4	8.4	12.6#
100	13.1	7.0	10.6#



#78
Butylbenzylphthalate
Concen: 12.58 ng/ul
RT: 20.80 min Scan# 2981
Delta R.T. 0.00 min
Lab File: BG029231.D
Acq: 14 Oct 2017 20:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	102.9	61.3	91.9#
206	22.0	19.5	29.3





#80

Benzo(a)anthracene

Concen: 1.57 ng/ul

RT: 21.78 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampleId :

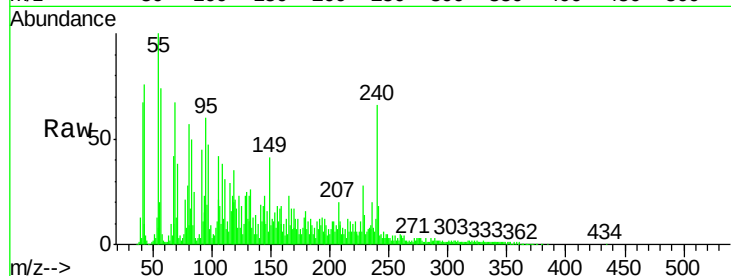
Tot Ion:228 Resp: 43089

Ion Ratio Lower Upper

228 100

229 49.6 16.2 24.4#

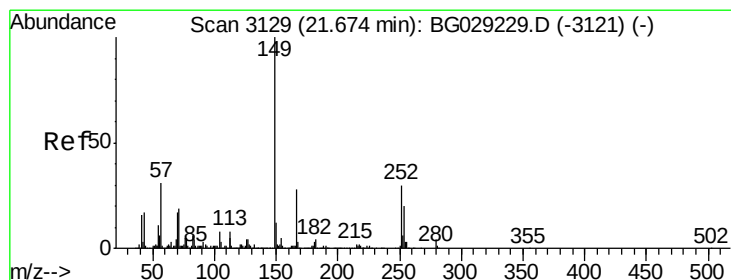
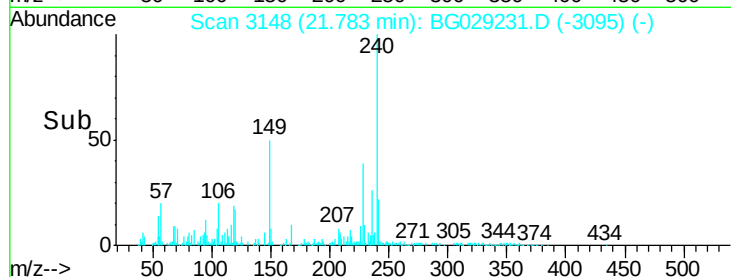
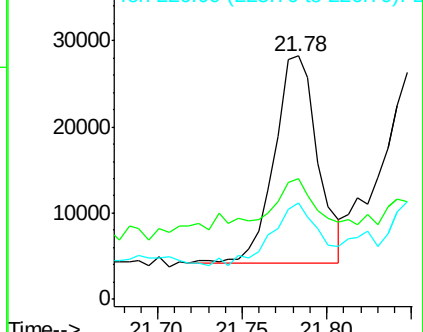
226 39.4 22.2 33.2#



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: 25.56 ng/ul

RT: 21.68 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

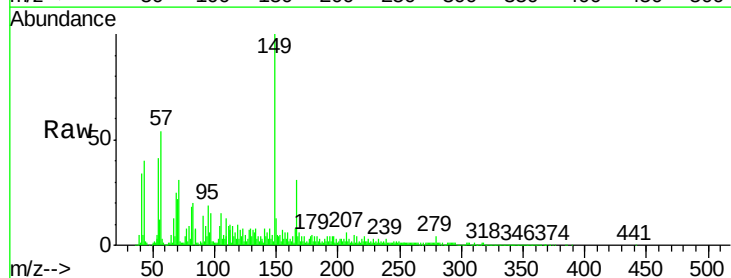
Tgt Ion:149 Resp: 439483

Ion Ratio Lower Upper

149 100

167 31.4 23.2 34.8

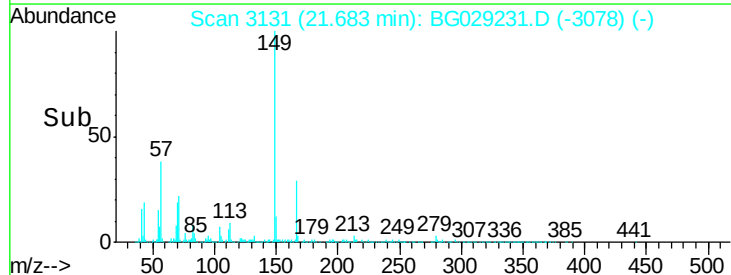
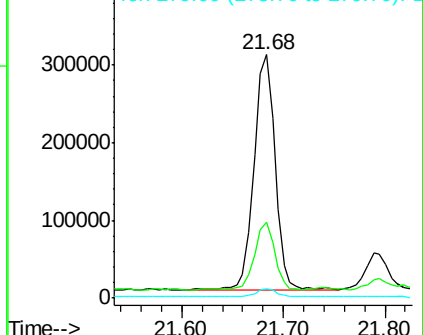
279 3.9 3.1 4.7

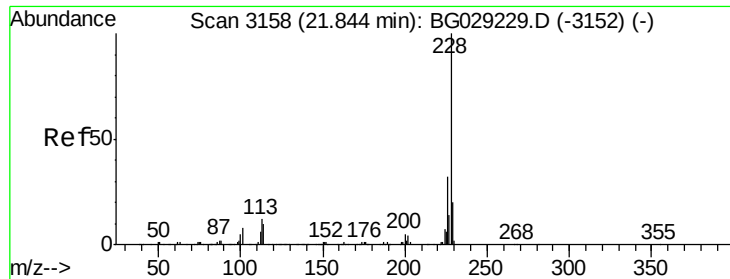


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 1.83 ng/ul

RT: 21.85 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampleId :

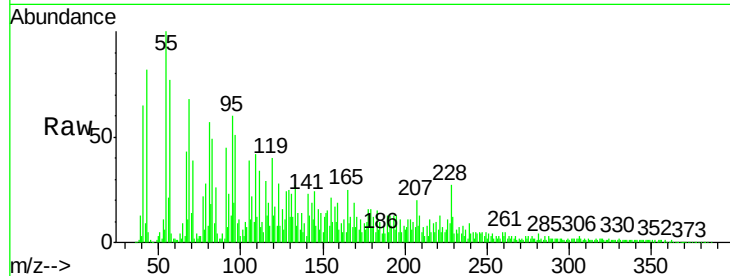
Tot Ion:228 Resp: 45613

Ion Ratio Lower Upper

228 100

226 42.8 24.2 36.2#

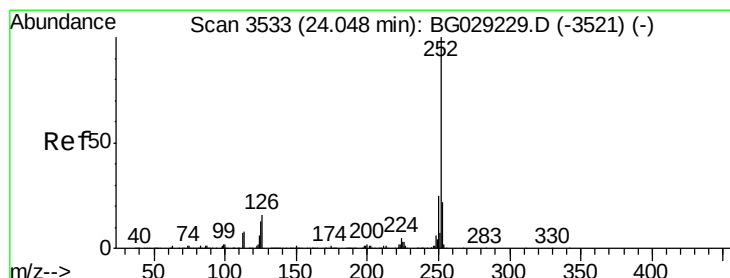
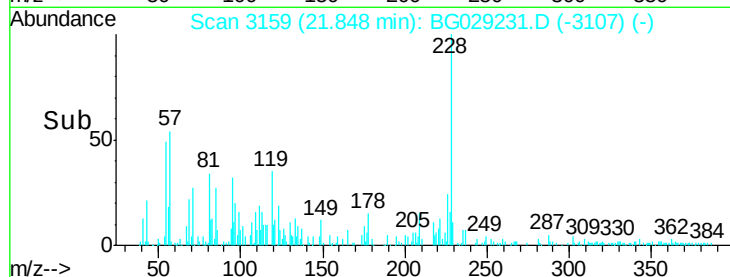
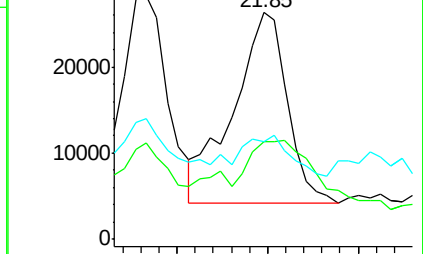
229 43.4 15.2 22.8#



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: 2.25 ng/ul

RT: 24.08 min Scan# 3539

Delta R.T. 0.03 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

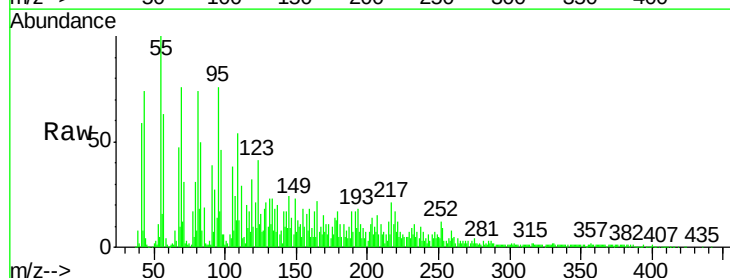
Tgt Ion:252 Resp: 53327

Ion Ratio Lower Upper

252 100

253 74.3 17.0 25.4#

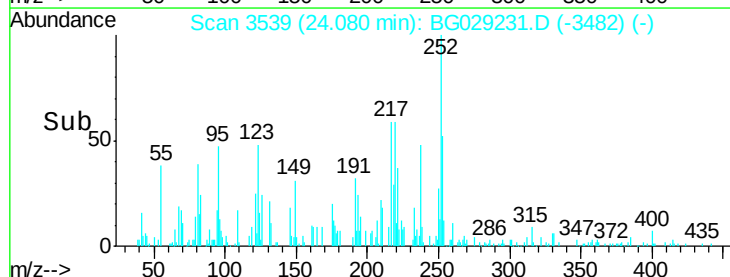
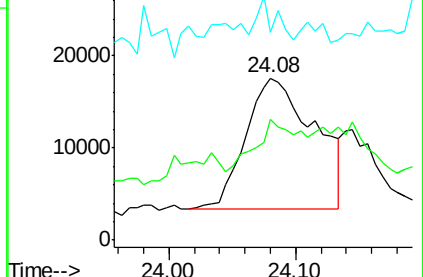
125 128.7 7.5 11.3#

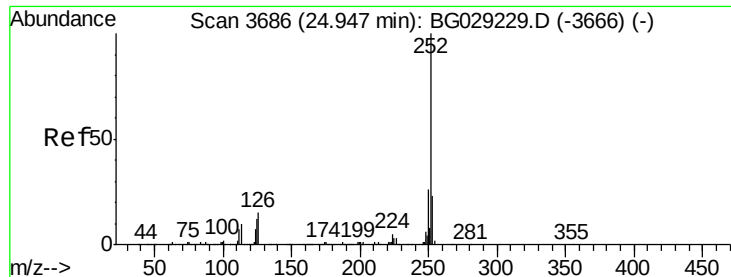


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.31 ng/ul

RT: 24.98 min Scan# 3692

Delta R.T. 0.03 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

Instrument :

BNA_G

ClientSampleId :

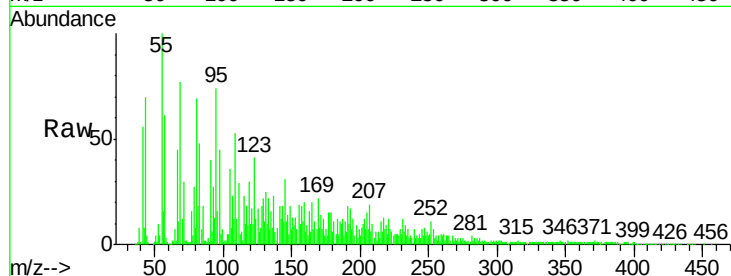
Tot Ion:252 Resp: 30304

Ion Ratio Lower Upper

252 100

253 66.1 17.1 25.7#

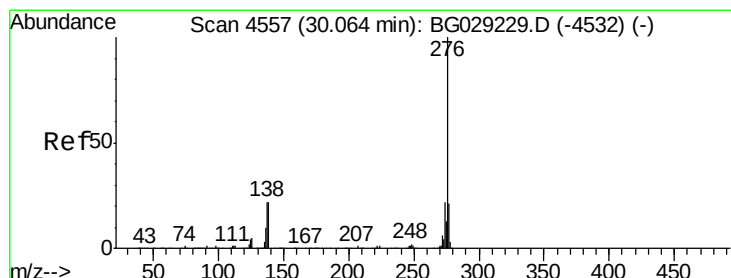
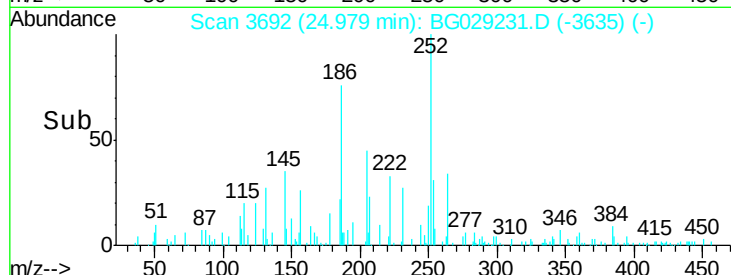
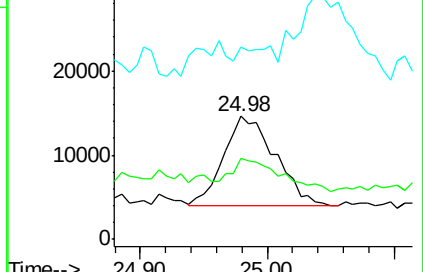
125 155.9 7.8 11.8#



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



#91

Benzo(g,h,i)perylene

Concen: 1.21 ng/ul

RT: 30.17 min Scan# 4575

Delta R.T. 0.10 min

Lab File: BG029231.D

Acq: 14 Oct 2017 20:13

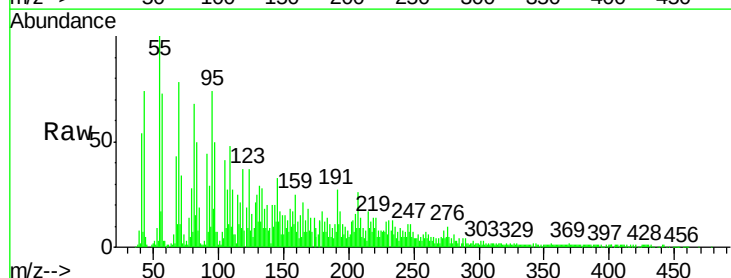
Tgt Ion:276 Resp: 26222

Ion Ratio Lower Upper

276 100

138 83.3 12.1 18.1#

277 47.4 17.7 26.5#



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

