

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
 Data File : BG024927.D
 Acq On : 24 Nov 2016 4:17
 Operator : UM/SJ
 Sample : H5701-10MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4WD7MS

Quant Time: Nov 24 05:57:02 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 24 01:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	85603	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	369019	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	312190	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	712867	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	872398	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	911164	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	7028	3.89	ng/uL	0.00
5) Phenol-d5	7.39	99	164658	20.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	104089	21.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	112014	20.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	123135	18.08	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	60328	20.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	70447	20.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	133424	19.46	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	131088	17.30	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	499458	21.76	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	557909	22.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	67762	16.78	ng/ul	0.00
57) Fluorene-d10	15.86	176	449194	21.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	73621	14.55	ng/ul	0.00
70) Anthracene-d10	17.71	188	696946	21.49	ng/ul	0.00
76) Pyrene-d10	19.98	212	829865	21.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	848689	20.95	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.41	94	237459	29.10	ng/ul	97
10) 2-Chlorophenol	7.81	128	129799	23.88	ng/ul	91
15) N-Nitroso-di-n-propylamine	9.05	70	155652	26.57	ng/ul#	86
28) Naphthalene	11.13	128	27923	1.55	ng/ul#	89
33) 4-Chloro-3-methylphenol	12.33	107	205427	24.61	ng/ul	99
44) Dimethylphthalate	14.31	163	81284	3.62	ng/ul#	97
49) Acenaphthene	14.93	153	480233	28.59	ng/ul	99
52) 4-Nitrophenol	15.06	109	98740	20.96	ng/ul	90
53) Dibenzofuran	15.26	168	33044	1.27	ng/ul#	85
54) 2,4-Dinitrotoluene	15.22	165	191560	26.43	ng/ul#	91
56) Diethylphthalate	15.65	149	151700	6.59	ng/ul	98
58) Fluorene	15.90	166	39682	1.86	ng/ul	89
68) Pentachlorophenol	17.25	266	145759	25.26	ng/ul	95
69) Phenanthrene	17.65	178	483794	13.19	ng/ul	97
71) Anthracene	17.74	178	127194	3.37	ng/ul	97
72) Carbazole	18.01	167	49757	1.60	ng/ul	99
74) Fluoranthene	19.65	202	637129	15.06	ng/ul#	97
77) Pyrene	20.01	202	1646562	36.42	ng/ul	98
80) Benzo(a)anthracene	21.88	228	342024	7.13	ng/ul	97
82) Chrysene	21.95	228	307828	6.81	ng/ul	99
85) Benzo(b)fluoranthene	24.23	252	384783	7.92	ng/ul#	99
86) Benzo(k)fluoranthene	24.23	252	384783	8.27	ng/ul#	98
88) Benzo(a)pyrene	25.00	252	152509	3.23	ng/ul	92

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration

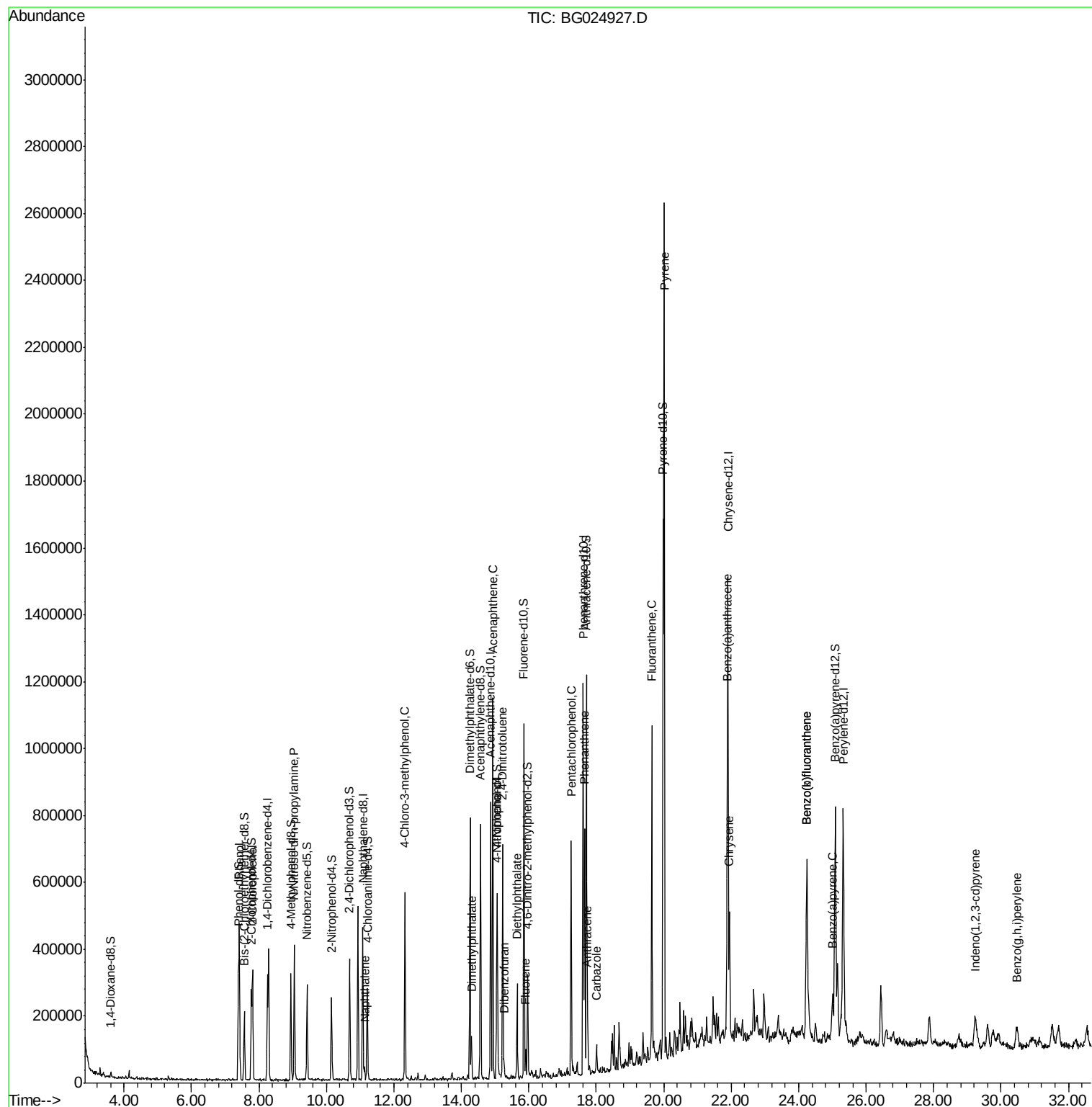
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	29.23	276	179259	3.09	ng/ul#	92
91) Benzo(g,h,i)perylene	30.47	276	132677	2.78	ng/ul#	87

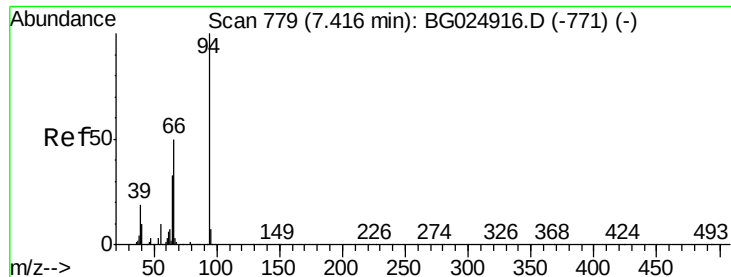
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 29.10 ng/ul

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

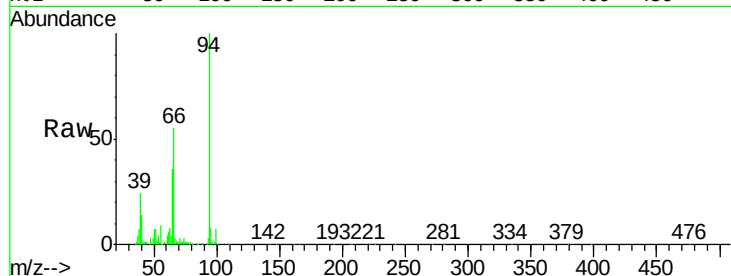
Tgt Ion: 94 Resp: 237459

Ion Ratio Lower Upper

94 100

65 36.2 26.8 40.2

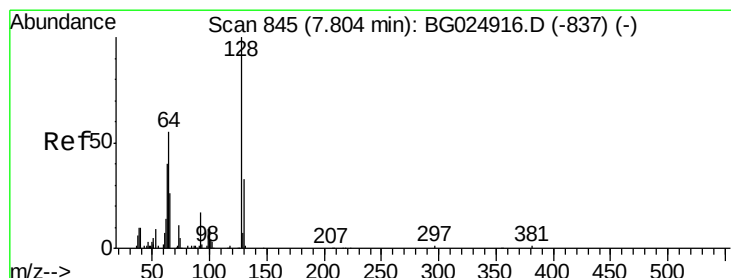
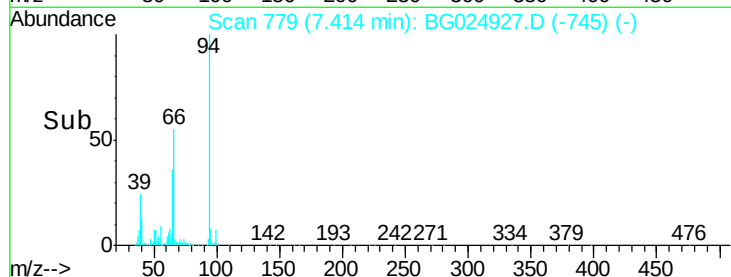
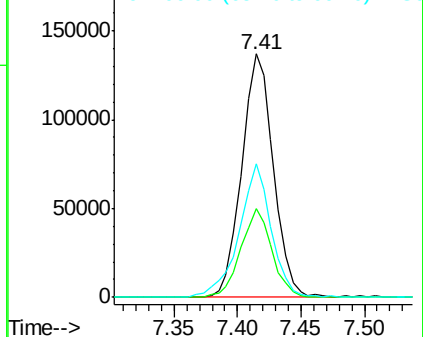
66 54.6 44.4 66.6



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: 23.88 ng/ul

RT: 7.81 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

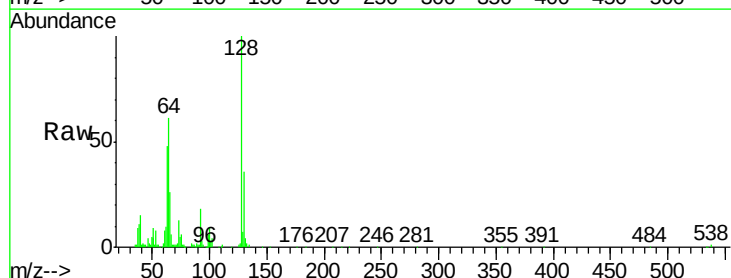
Tgt Ion: 128 Resp: 129799

Ion Ratio Lower Upper

128 100

64 61.2 56.3 84.5

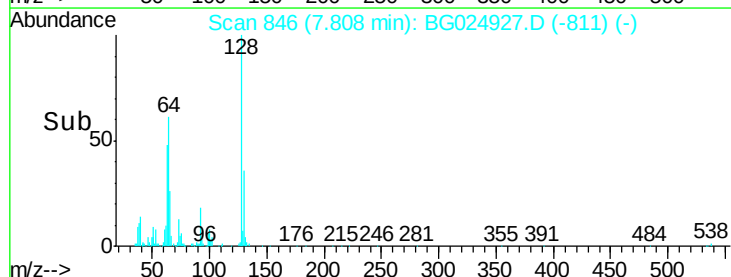
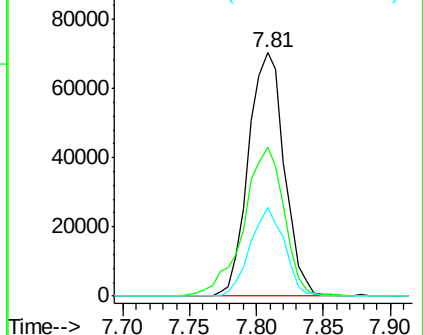
130 36.5 26.7 40.1

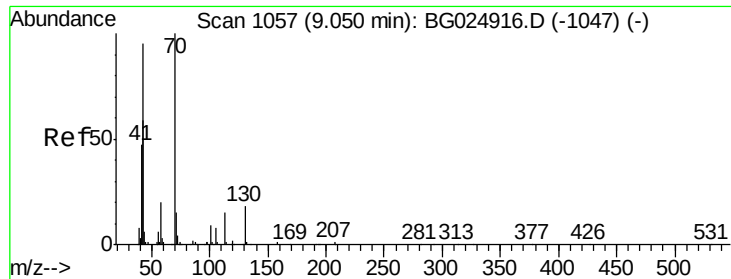


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

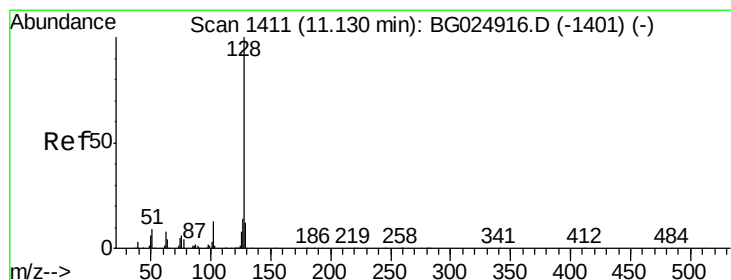
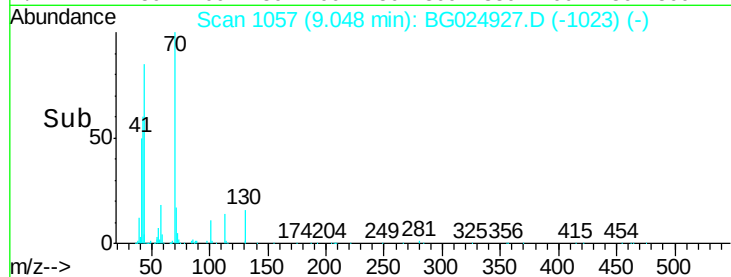
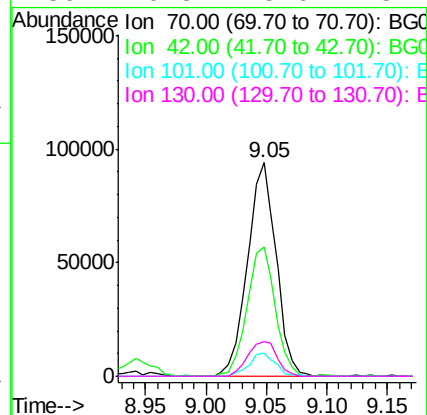
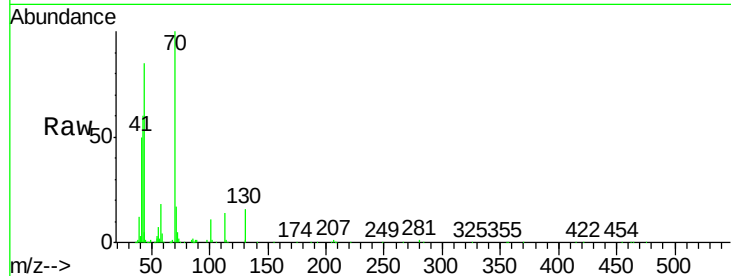




#15
N-Nitroso-di-n-propylamine
Concen: 26.57 ng/ul
RT: 9.05 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BG024927.D
Acq: 24 Nov 2016 4:17

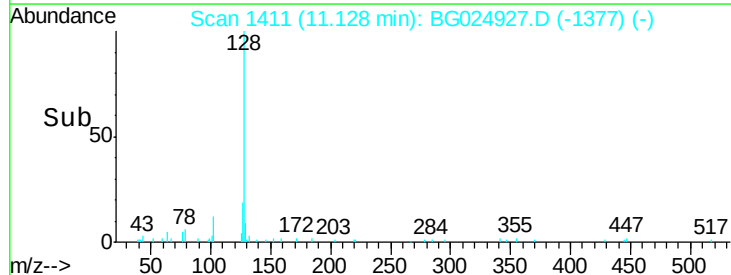
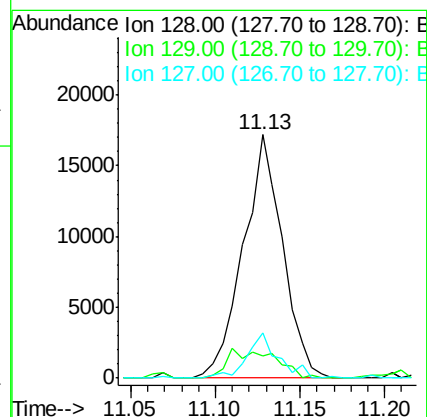
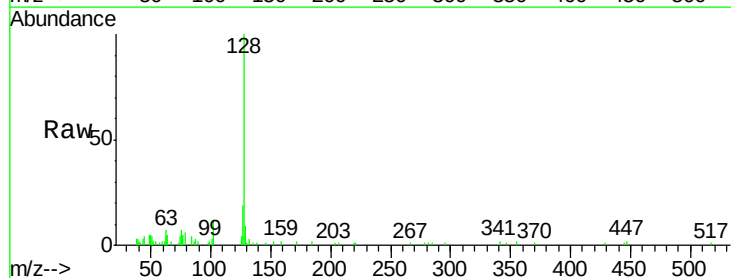
Instrument :
BNA_G
ClientSampleId :
A4WD7MS

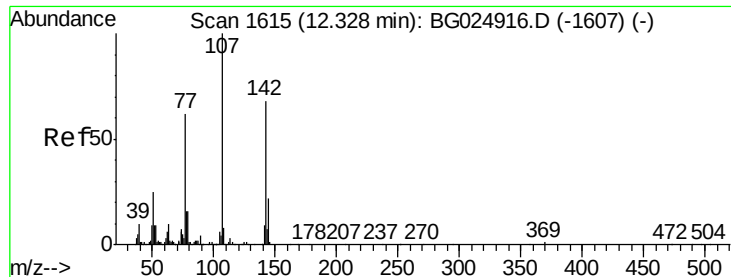
Tgt Ion:	70	Resp:	155652
Ion	Ratio	Lower	Upper
70	100		
42	60.3	59.0	88.6
101	10.8	6.6	9.8#
130	16.3	15.6	23.4



#28
Naphthalene
Concen: 1.55 ng/ul
RT: 11.13 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BG024927.D
Acq: 24 Nov 2016 4:17

Tgt Ion:	128	Resp:	27923
Ion	Ratio	Lower	Upper
128	100		
129	9.0	9.4	14.2#
127	18.6	10.3	15.5#

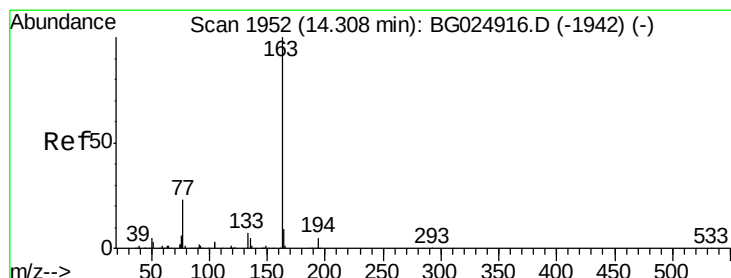
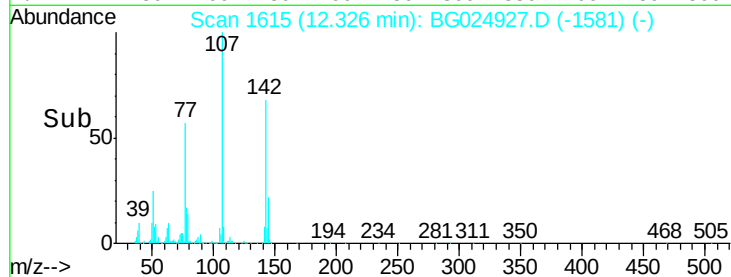
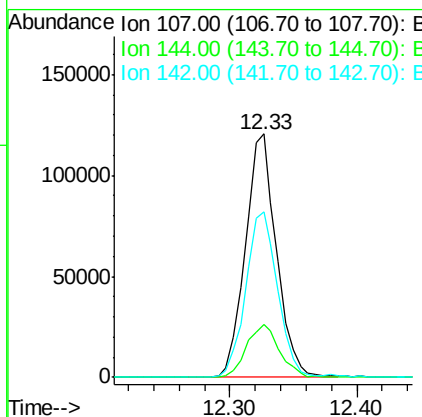
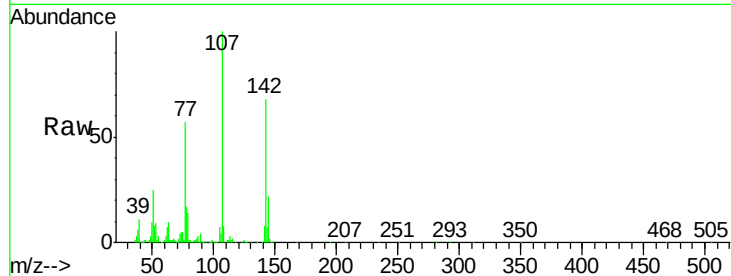




#33
 4-Chloro-3-methylphenol
 Concen: 24.61 ng/ul
 RT: 12.33 min Scan# 1615
 Delta R.T. -0.00 min
 Lab File: BG024927.D
 Acq: 24 Nov 2016 4:17

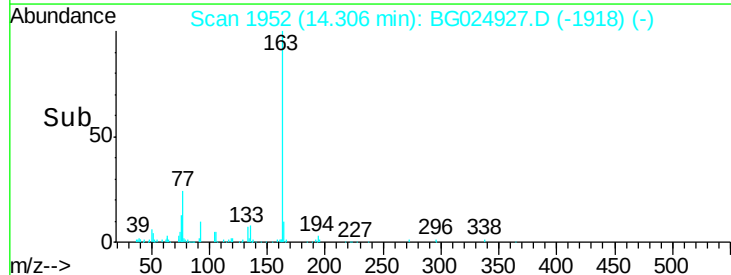
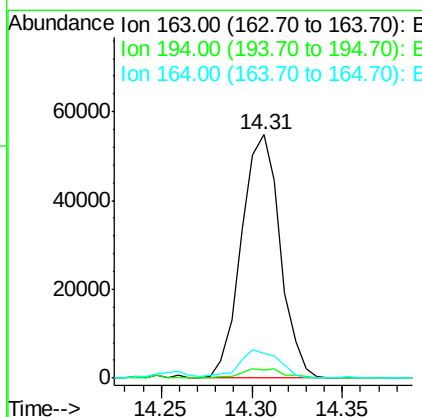
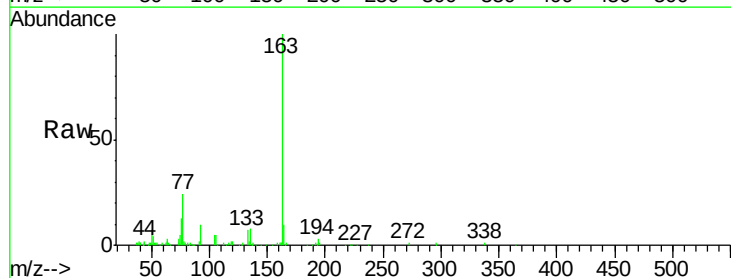
Instrument :
 BNA_G
 ClientSampleId :
 A4WD7MS

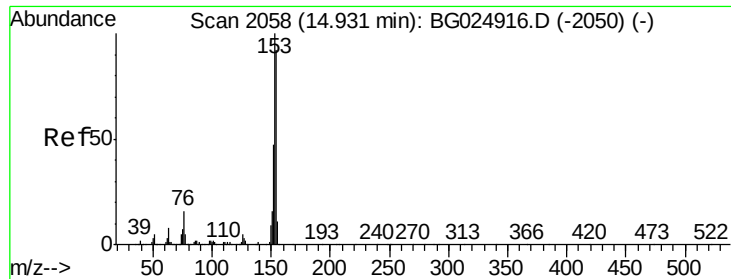
Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.9	18.2	27.4
142	68.0	55.0	82.4



#44
 Dimethylphthalate
 Concen: 3.62 ng/ul
 RT: 14.31 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG024927.D
 Acq: 24 Nov 2016 4:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.4	5.0#
164	10.0	9.0	13.4





#49

Acenaphthene

Concen: 28.59 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

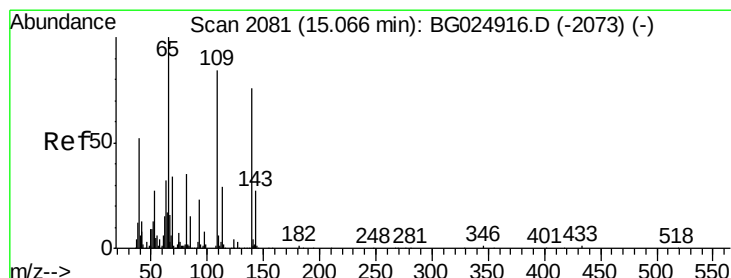
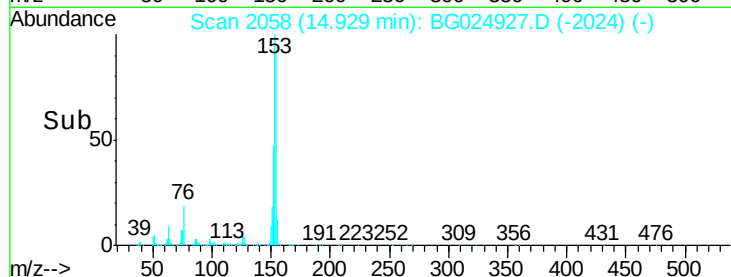
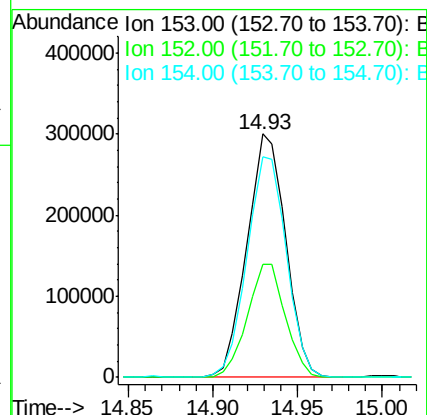
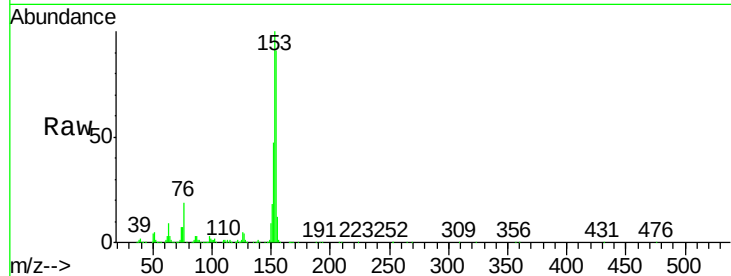
Tgt Ion:153 Resp: 480233

Ion Ratio Lower Upper

153 100

152 46.5 36.5 54.7

154 90.8 72.3 108.5



#52

4-Nitrophenol

Concen: 20.96 ng/ul

RT: 15.06 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

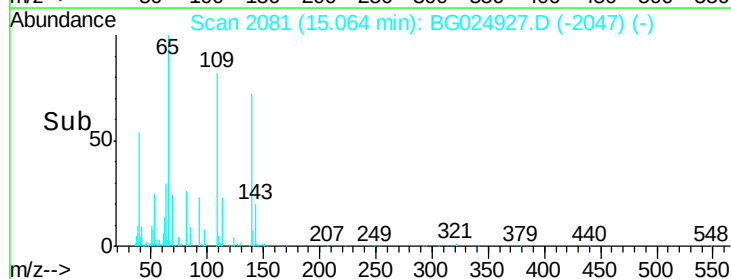
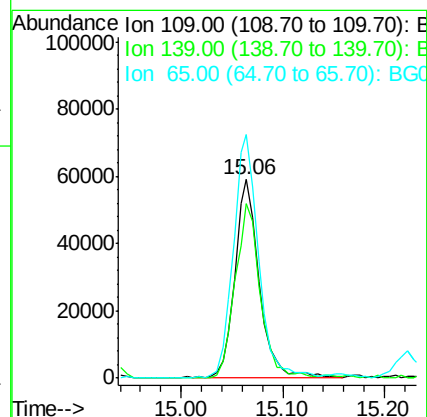
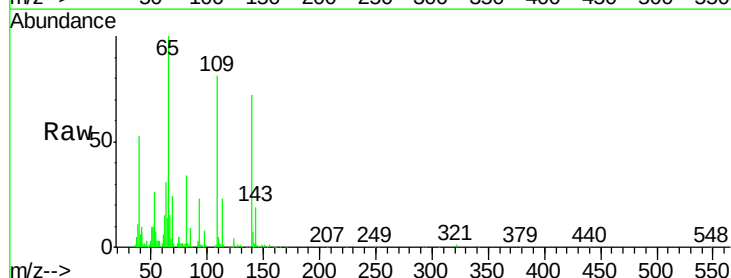
Tgt Ion:109 Resp: 98740

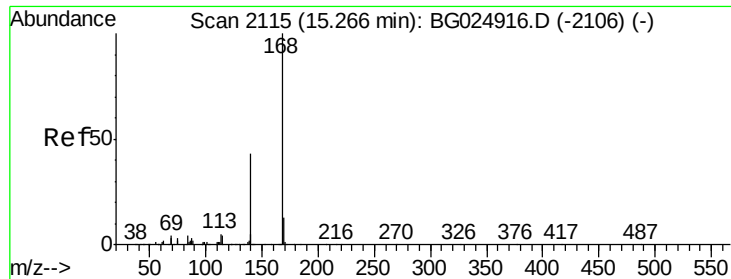
Ion Ratio Lower Upper

109 100

139 88.1 62.6 93.8

65 122.8 90.4 135.6





#53

Dibenzenofuran

Concen: 1.27 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

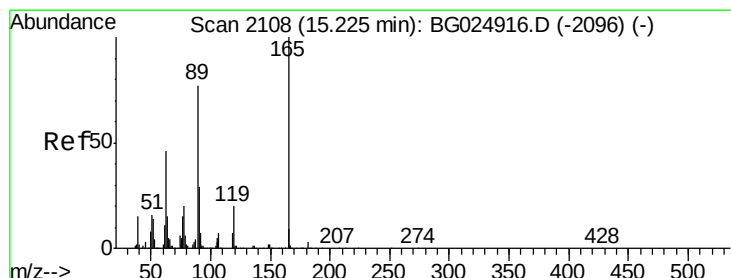
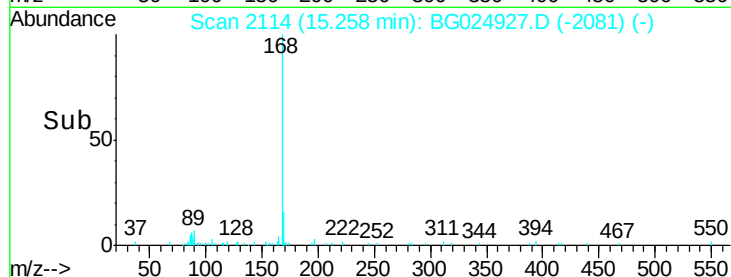
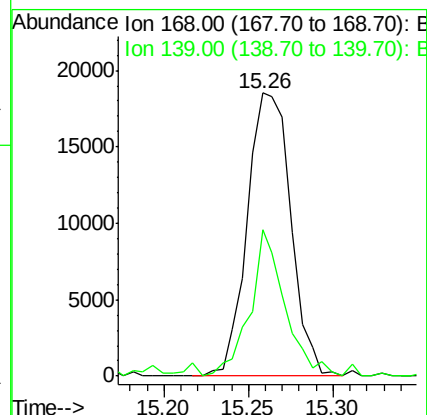
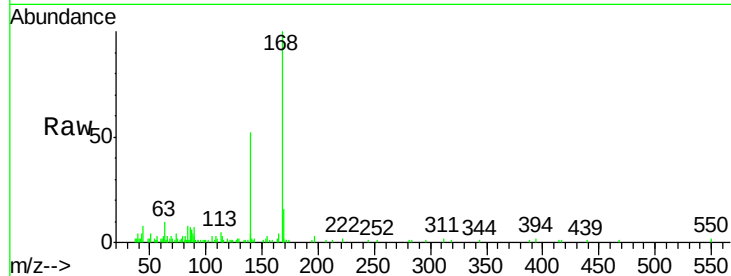
A4WD7MS

Tgt Ion:168 Resp: 33044

Ion Ratio Lower Upper

168 100

139 51.6 33.8 50.8#



#54

2,4-Dinitrotoluene

Concen: 26.43 ng/ul

RT: 15.22 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

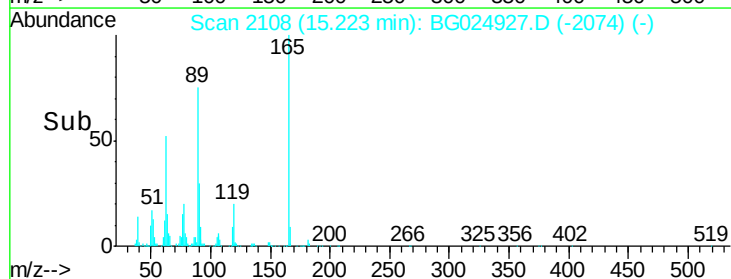
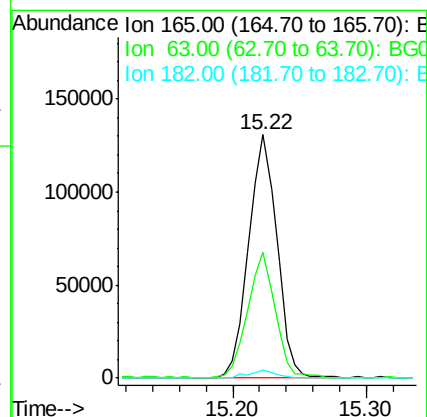
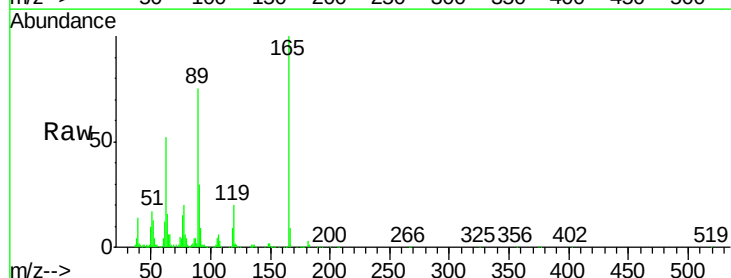
Tgt Ion:165 Resp: 191560

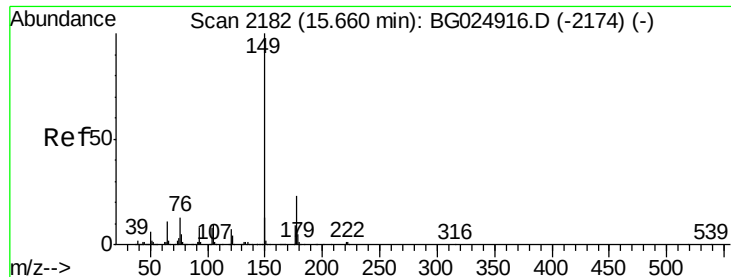
Ion Ratio Lower Upper

165 100

63 51.9 46.8 70.2

182 3.3 1.8 2.6#





#56

Diethylphthalate

Concen: 6.59 ng/ul

RT: 15.65 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

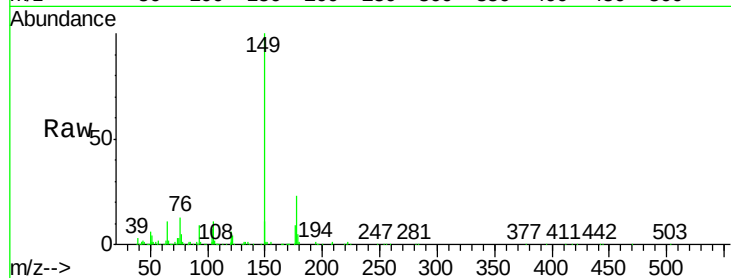
Tgt Ion:149 Resp: 151700

Ion Ratio Lower Upper

149 100

177 23.1 17.8 26.8

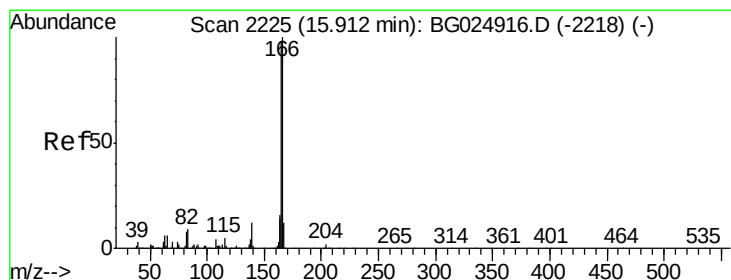
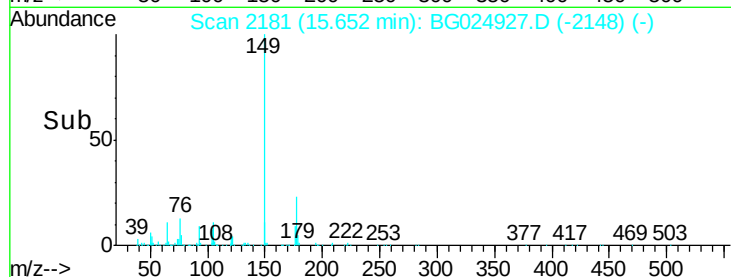
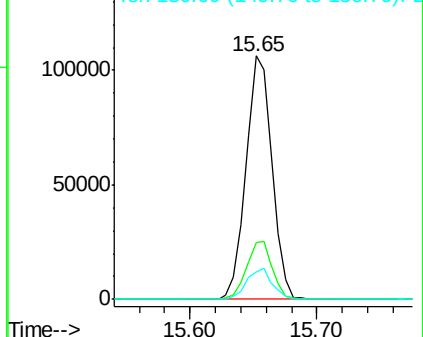
150 11.3 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 1.86 ng/ul

RT: 15.90 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

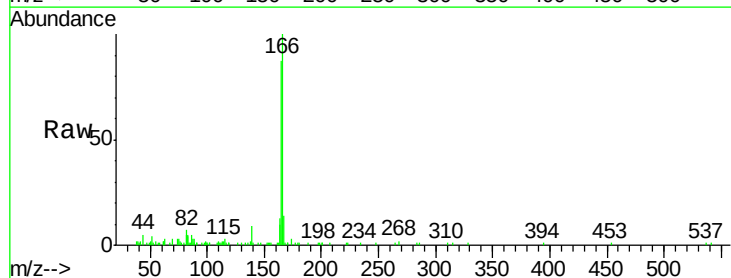
Tgt Ion:166 Resp: 39682

Ion Ratio Lower Upper

166 100

165 87.0 79.7 119.5

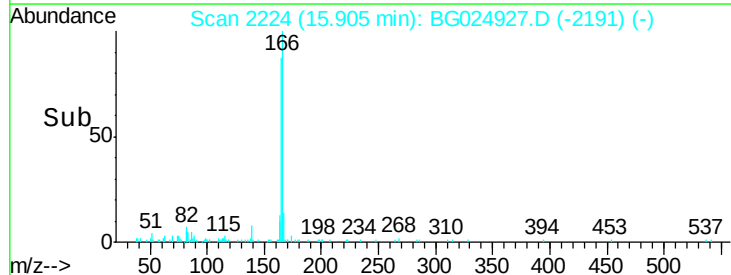
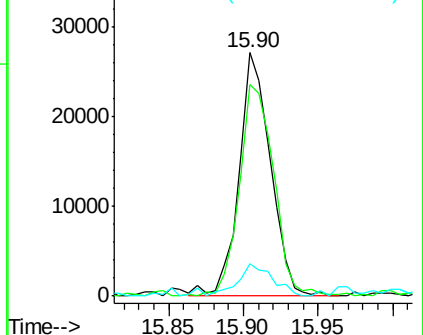
167 13.5 11.4 17.2

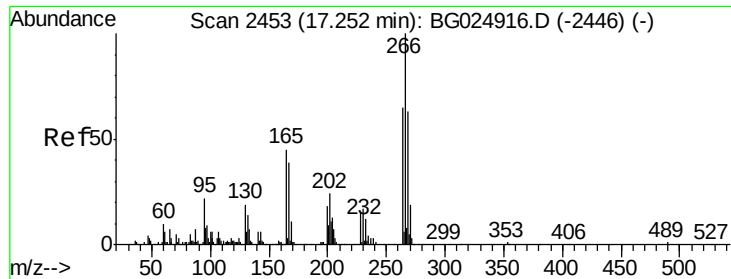


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

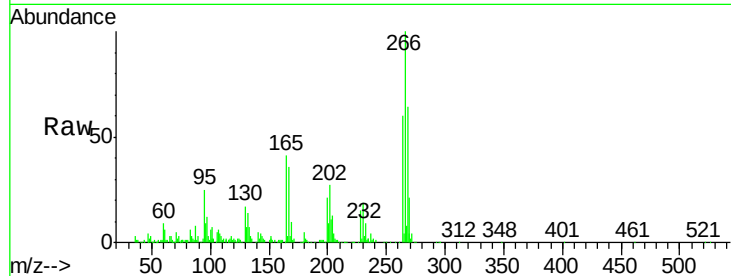




#68
 Pentachlorophenol
 Concen: 25.26 ng/ul
 RT: 17.25 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BG024927.D
 Acq: 24 Nov 2016 4:17

Instrument :
 BNA_G
 ClientSampleId :
 A4WD7MS

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.5	47.1	70.7
268	63.8	56.2	84.4

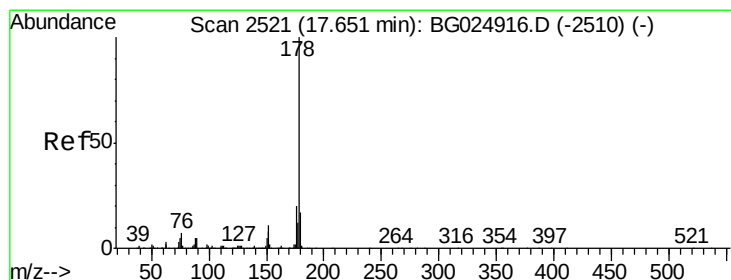
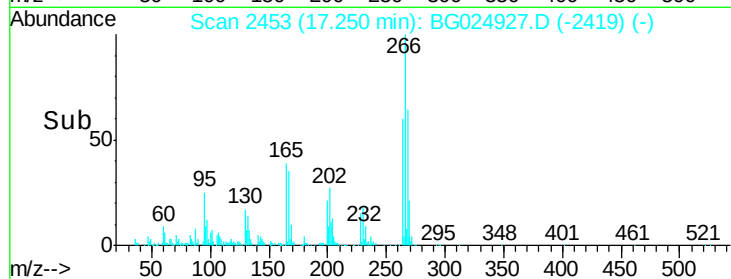
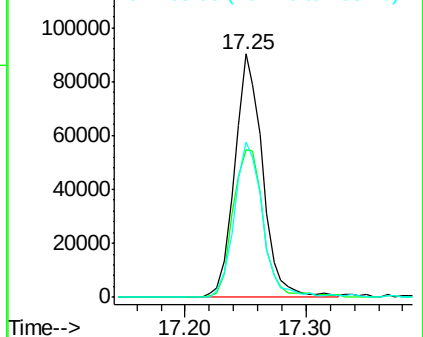


Abundance

Ion 265.70 (265.40 to 266.40): E

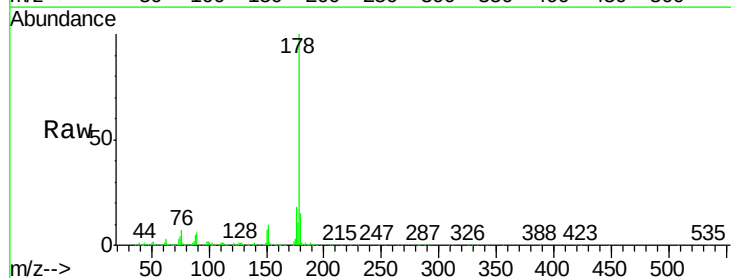
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 13.19 ng/ul
 RT: 17.65 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: BG024927.D
 Acq: 24 Nov 2016 4:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.0	16.5	24.7

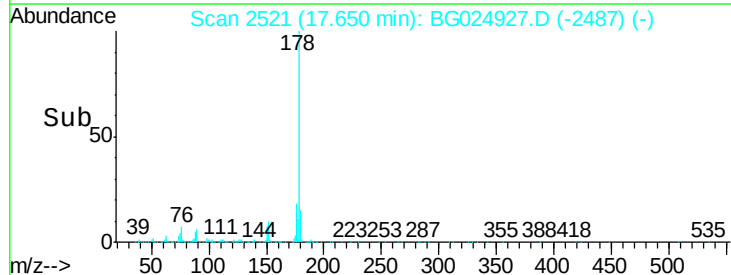
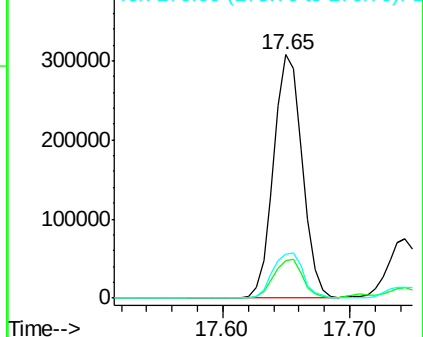


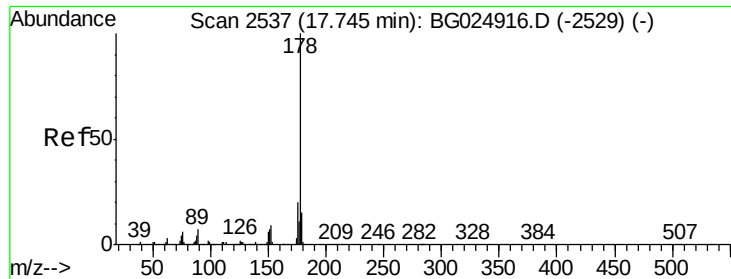
Abundance

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





#71

Anthracene

Concen: 3.37 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

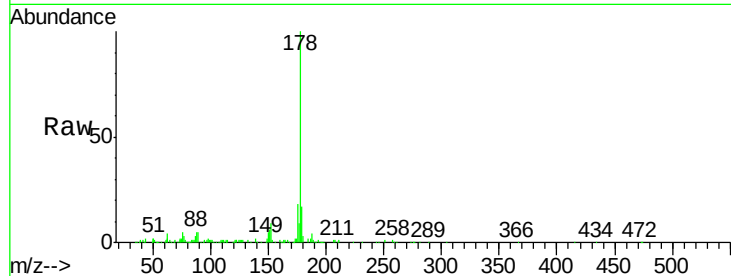
Tgt Ion:178 Resp: 127194

Ion Ratio Lower Upper

178 100

179 17.2 12.6 19.0

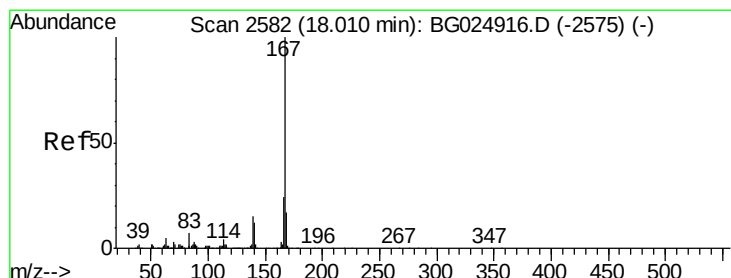
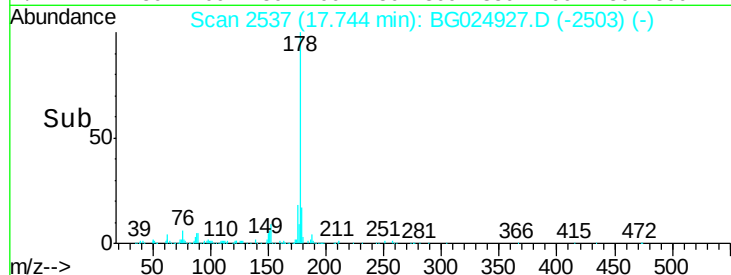
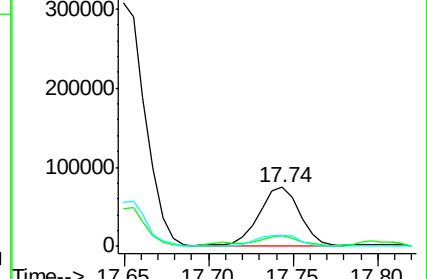
176 18.3 15.9 23.9



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



#72

Carbazole

Concen: 1.60 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

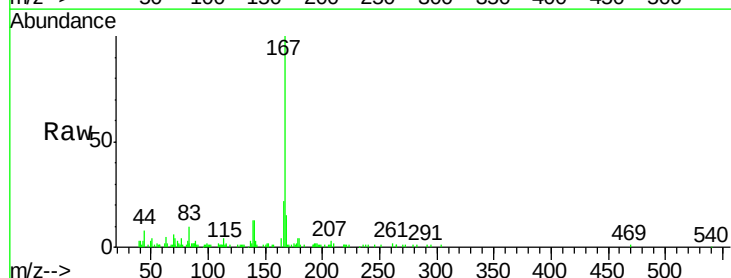
Tgt Ion:167 Resp: 49757

Ion Ratio Lower Upper

167 100

166 21.8 17.9 26.9

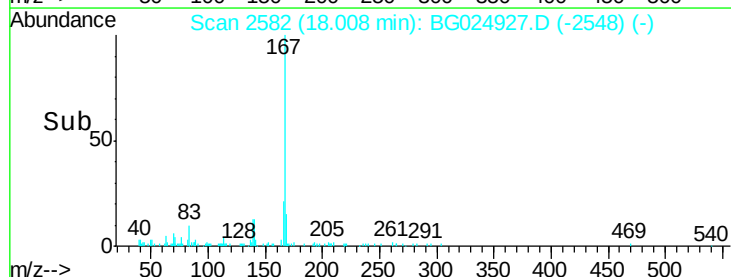
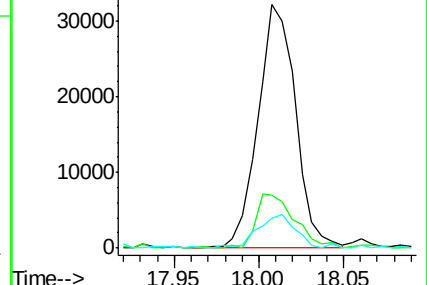
139 12.5 10.5 15.7

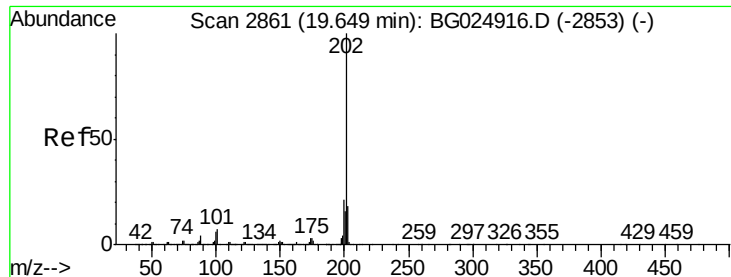


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 15.06 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

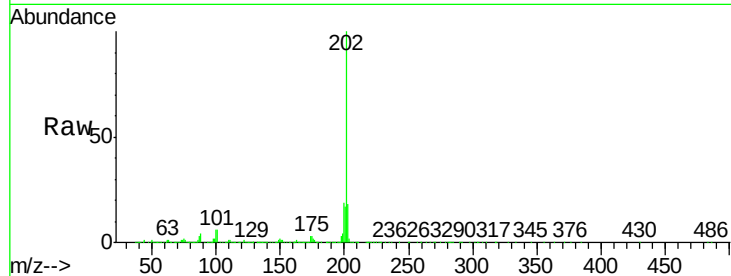
Tgt Ion:202 Resp: 637129

Ion Ratio Lower Upper

202 100

101 6.0 6.2 9.2#

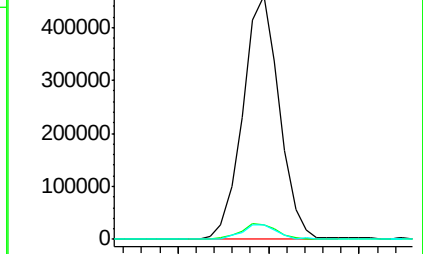
100 6.1 5.2 7.8



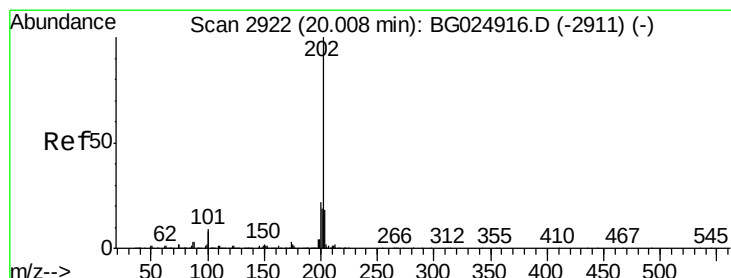
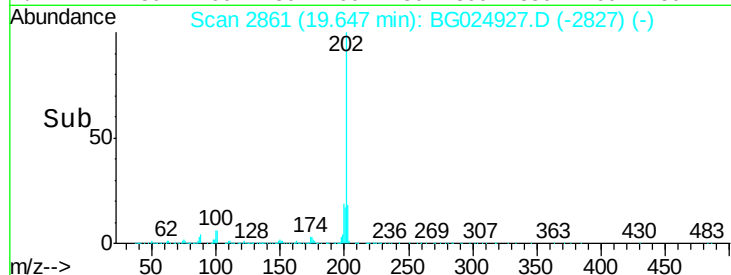
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 36.42 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

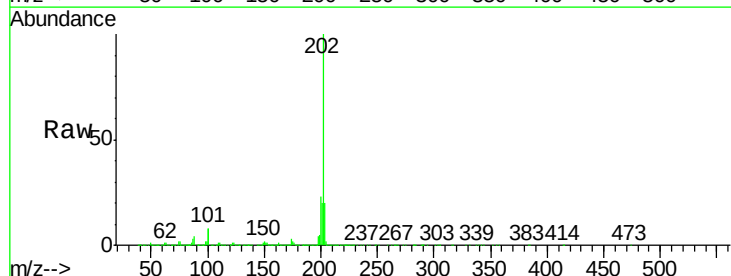
Tgt Ion:202 Resp: 1646562

Ion Ratio Lower Upper

202 100

101 8.2 6.9 10.3

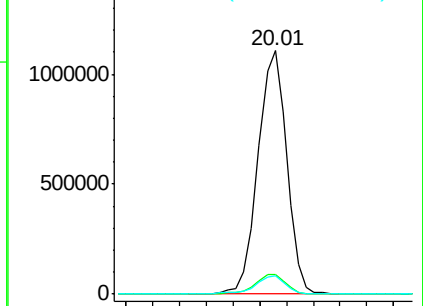
100 7.6 6.6 10.0



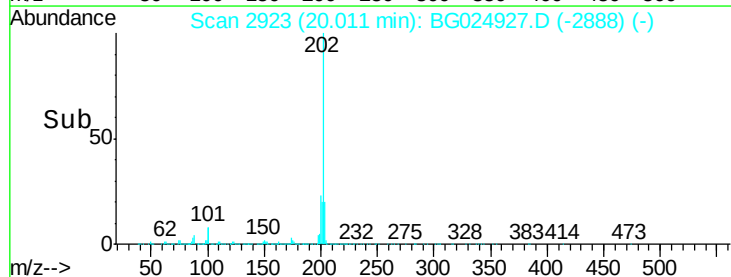
Abundance Ion 202.00 (201.70 to 202.70): E

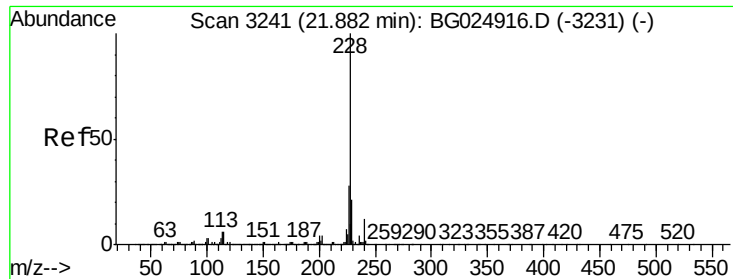
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#80

Benzo(a)anthracene

Concen: 7.13 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

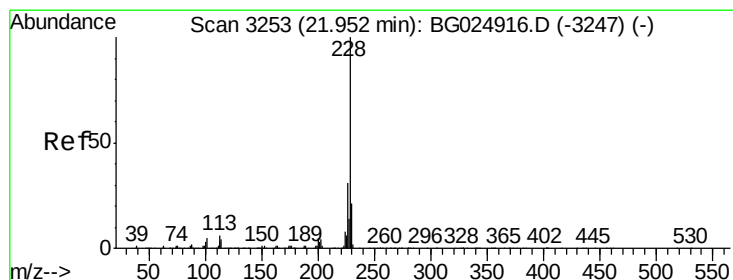
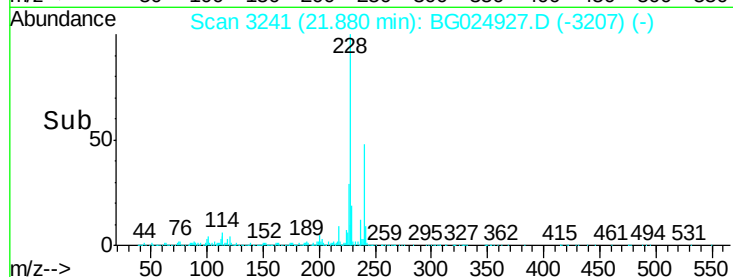
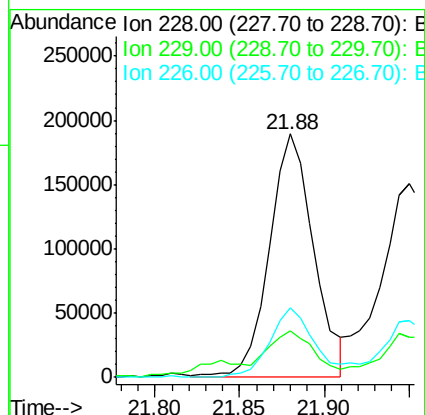
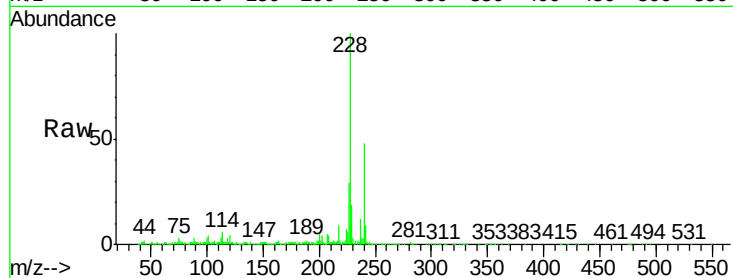
Tgt Ion:228 Resp: 342024

Ion Ratio Lower Upper

228 100

229 19.2 16.3 24.5

226 28.8 21.9 32.9



#82

Chrysene

Concen: 6.81 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. -0.00 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

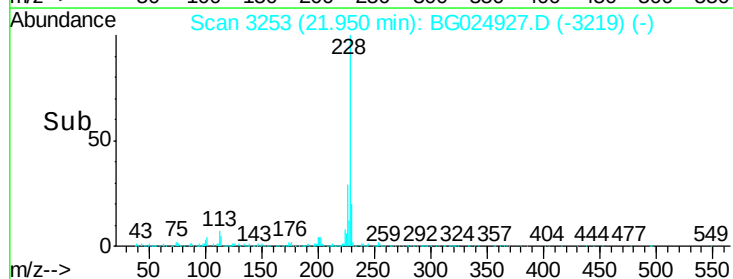
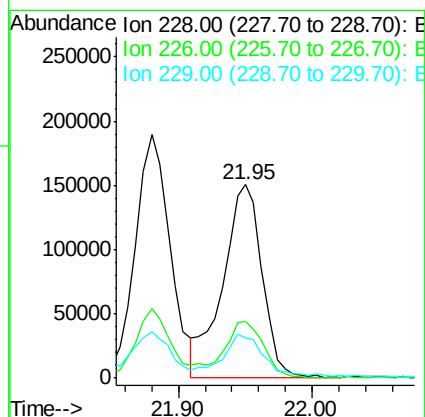
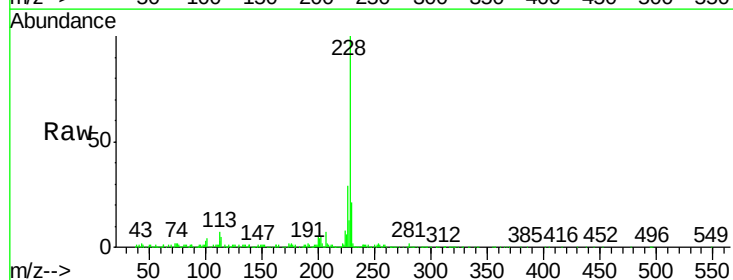
Tgt Ion:228 Resp: 307828

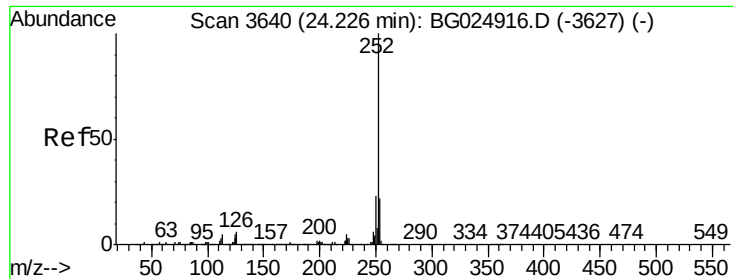
Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

229 21.0 16.9 25.3

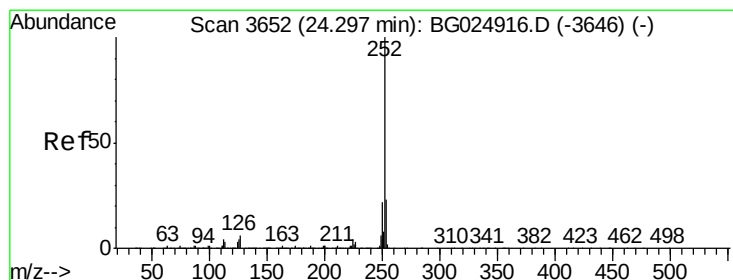
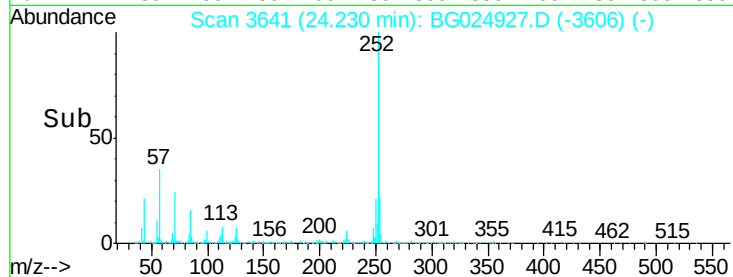
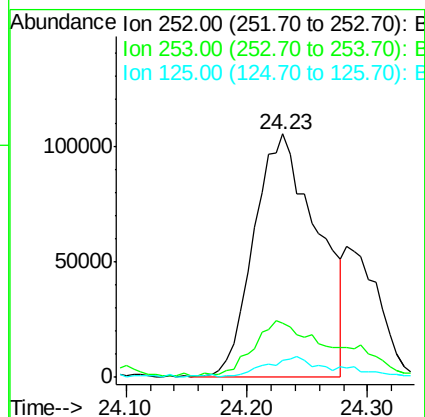
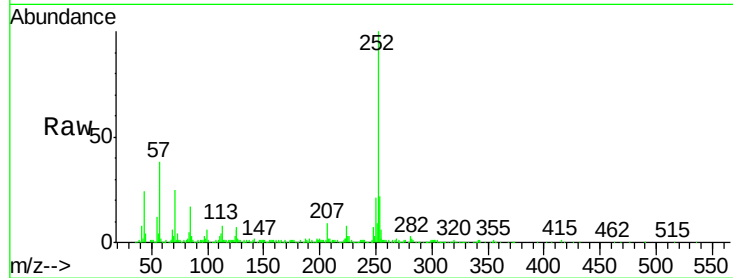




#85
Benzo(b)fluoranthene
Concen: 7.92 ng/ul
RT: 24.23 min Scan# 3641
Delta R.T. 0.00 min
Lab File: BG024927.D
Acq: 24 Nov 2016 4:17

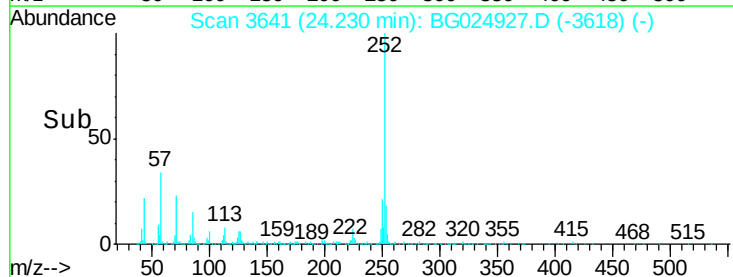
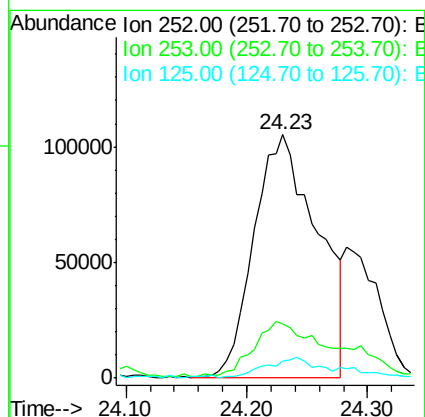
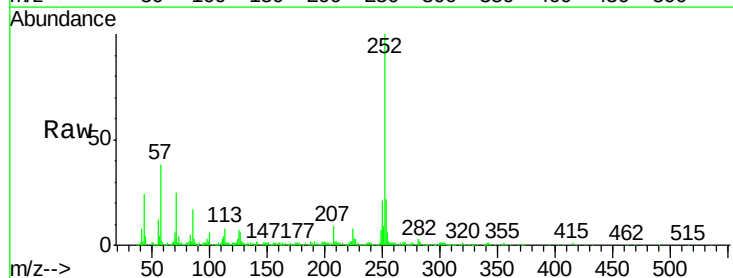
Instrument :
BNA_G
ClientSampleId :
A4WD7MS

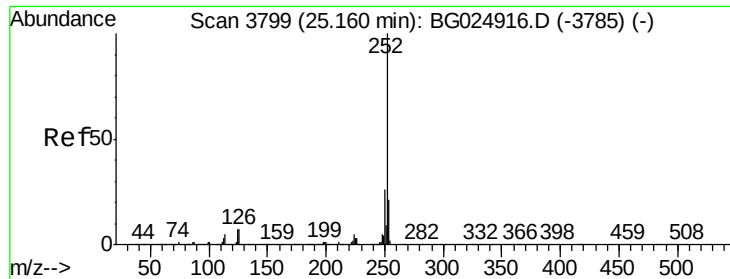
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	7.1	4.0	6.0



#86
Benzo(k)fluoranthene
Concen: 8.27 ng/ul
RT: 24.23 min Scan# 3641
Delta R.T. -0.07 min
Lab File: BG024927.D
Acq: 24 Nov 2016 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	7.1	4.1	6.1





#88

Benzo(a)pyrene

Concen: 3.23 ng/ul

RT: 25.00 min Scan# 3772

Delta R.T. -0.16 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

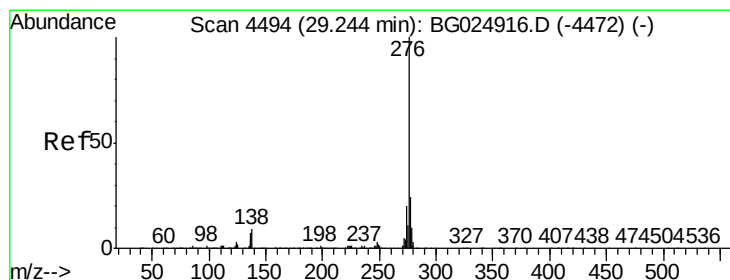
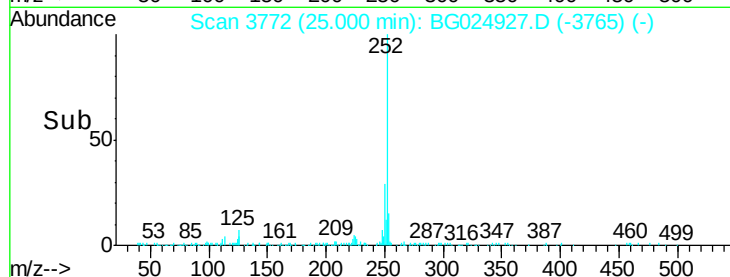
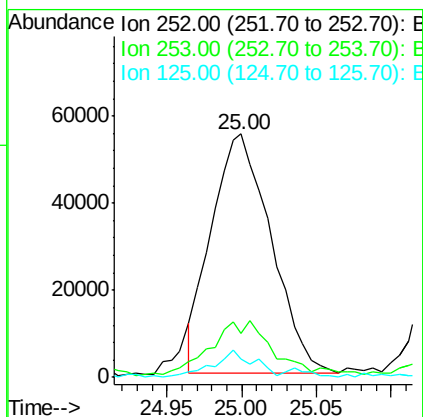
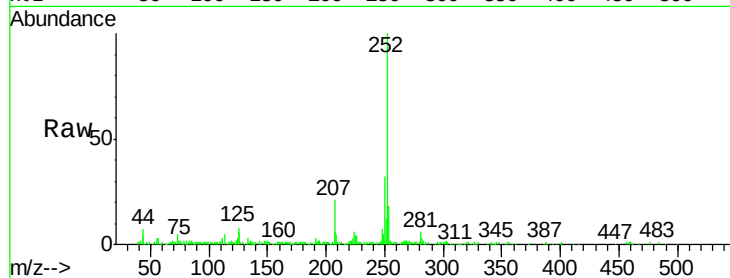
Instrument :

BNA_G

ClientSampleId :

A4WD7MS

Tgt Ion:	252	Resp:	152509
Ion Ratio	Lower	Upper	
252	100		
253	17.8	17.8	26.6
125	7.5	5.4	8.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.09 ng/ul

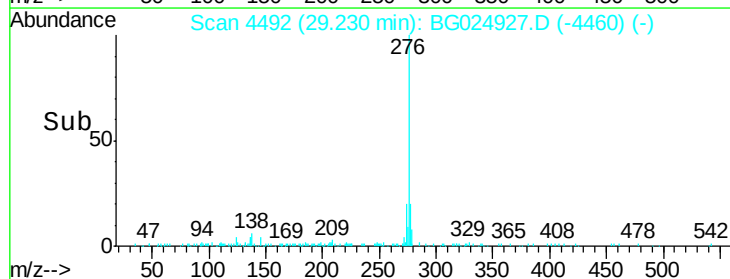
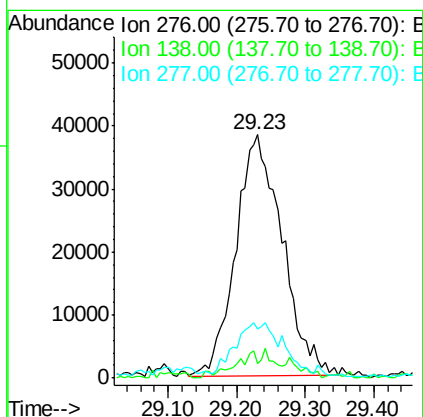
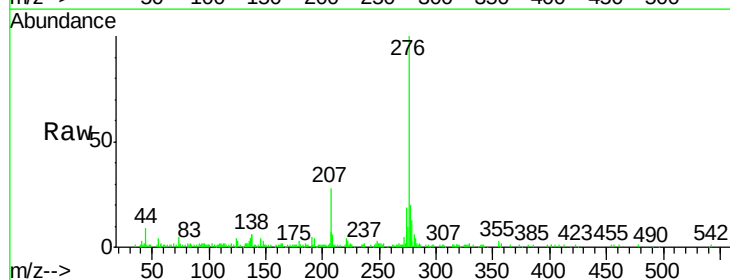
RT: 29.23 min Scan# 4492

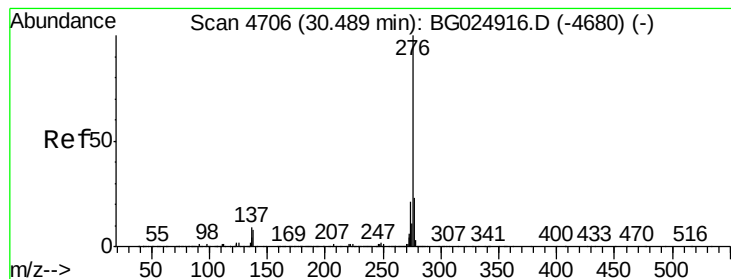
Delta R.T. -0.01 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Tgt Ion:	276	Resp:	179259
Ion Ratio	Lower	Upper	
276	100		
138	6.1	8.2	12.4#
277	20.3	18.6	28.0





#91

Benzo(g,h,i)perylene

Concen: 2.78 ng/ul

RT: 30.47 min Scan# 4703

Delta R.T. -0.02 min

Lab File: BG024927.D

Acq: 24 Nov 2016 4:17

Instrument :

BNA_G

ClientSampleId :

A4WD7MS

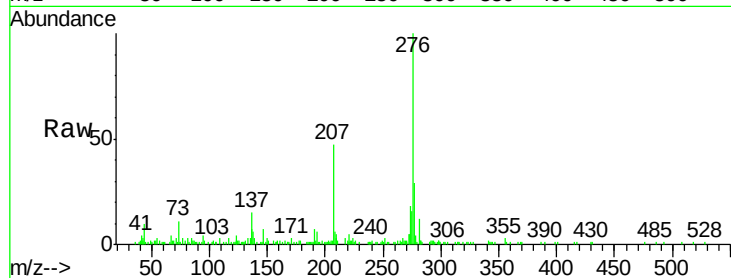
Tgt Ion: 276 Resp: 132677

Ion Ratio Lower Upper

276 100

138 6.2 8.6 12.8#

277 28.6 17.6 26.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

