

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
 Data File : BG028449.D
 Acq On : 23 Aug 2017 14:05
 Operator : SJ/JU
 Sample : I4827-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AC2

Quant Time: Aug 24 01:31:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	45734	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	201362	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	127394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.80	188	199455	20.00	ng/ul	0.10
75) Chrysene-d12	22.04	240	325393	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	311940	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	1900	1.93	ng/uL	0.00
5) Phenol-d5	7.50	99	51362	10.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	33615	10.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	41452	13.08	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	41803	9.96	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	22792	14.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	25554	14.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	45841	12.83	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	20879	5.25	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	155301	13.71	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	175533	13.74	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	10557	5.86	ng/ul	0.02
57) Fluorene-d10	15.94	176	132494	13.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.14	200	228	0.18	ng/ul	0.08
70) Anthracene-d10	17.80	188	199455	20.85	ng/ul	0.00
76) Pyrene-d10	20.08	212	236954	14.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	224127	15.35	ng/ul	0.02

Target Compounds

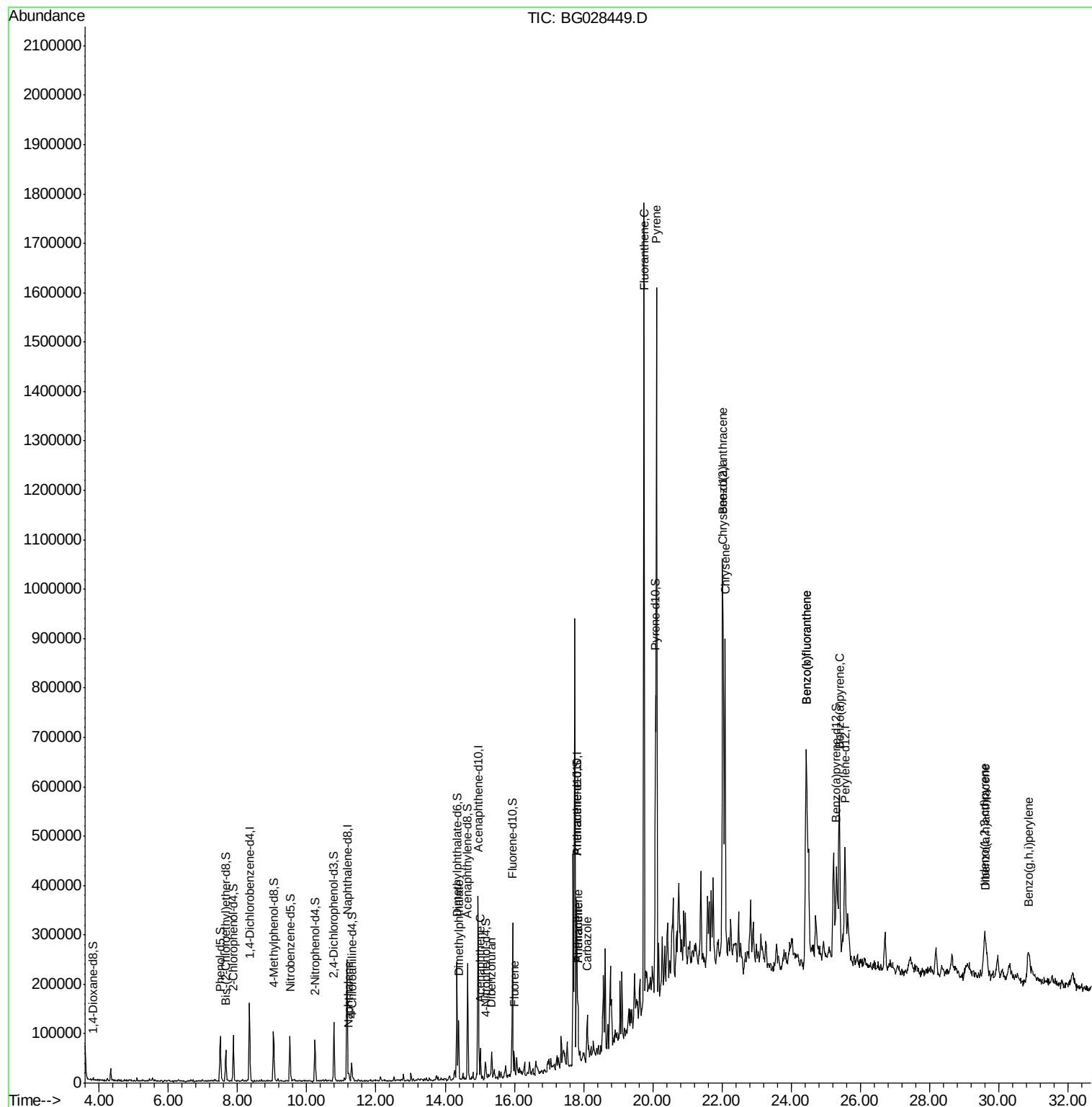
					Ovalue	
28) Naphthalene	11.21	128	12890	1.292	ng/ul#	96
44) Dimethylphthalate	14.39	163	69615	6.673	ng/ul#	96
49) Acenaphthene	15.02	153	24525	2.977	ng/ul	99
53) Dibenzofuran	15.35	168	22202	1.849	ng/ul	98
58) Fluorene	16.00	166	20992	1.974	ng/ul	99
69) Phenanthrene	17.84	178	77249	7.696	ng/ul	95
71) Anthracene	17.84	178	77513	7.556	ng/ul	96
72) Carbazole	18.11	167	52734	5.911	ng/ul	97
74) Fluoranthene	19.75	202	1039613	85.223	ng/ul	99
77) Pyrene	20.11	202	927276	47.765	ng/ul	98
80) Benzo(a)anthracene	22.02	228	508188	27.030	ng/ul	99
82) Chrysene	22.09	228	503343	29.727	ng/ul	97
85) Benzo(b)fluoranthene	24.43	252	862016	46.179	ng/ul#	99
86) Benzo(k)fluoranthene	24.43	252	862016	47.276	ng/ul	97
88) Benzo(a)pyrene	25.39	252	443348	24.530	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.59	276	215305	10.173	ng/ul#	91
90) Dibenzo(a,h)anthracene	29.61	278	23607	1.331	ng/ul#	91
91) Benzo(g,h,i)perylene	30.86	276	176924	10.161	ng/ul#	93

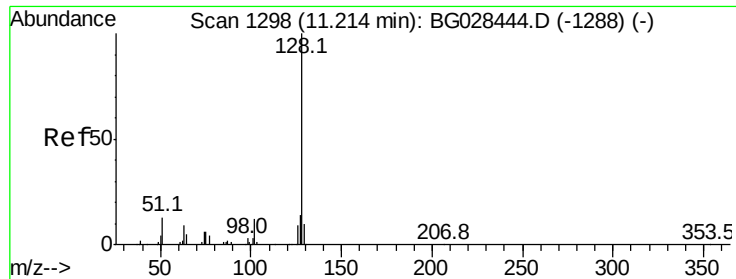
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
Data File : BG028449.D
Acq On : 23 Aug 2017 14:05
Operator : SJ/JU
Sample : I4827-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AC2

Quant Time: Aug 24 01:31:17 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 24 01:29:02 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.292 ng/ul

RT: 11.21 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

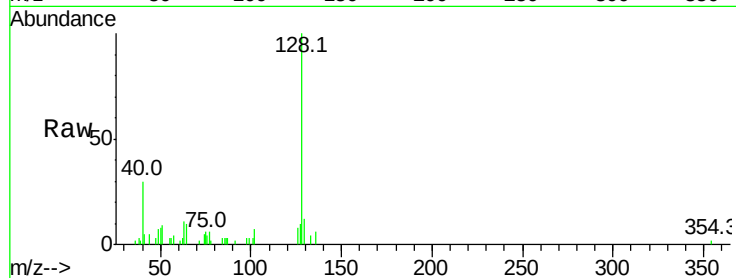
Tot Ion:128 Resp: 12890

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

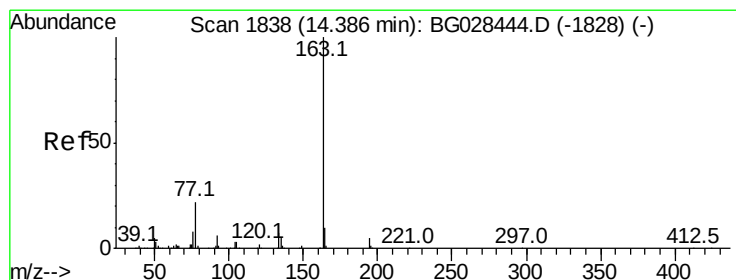
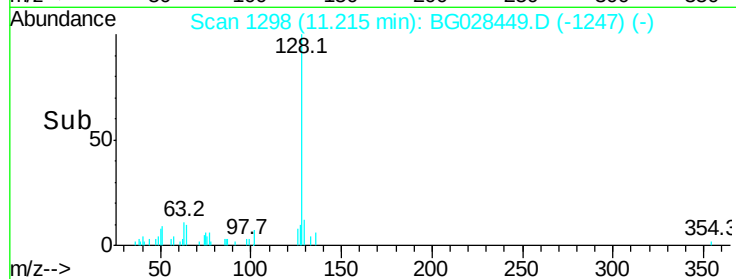
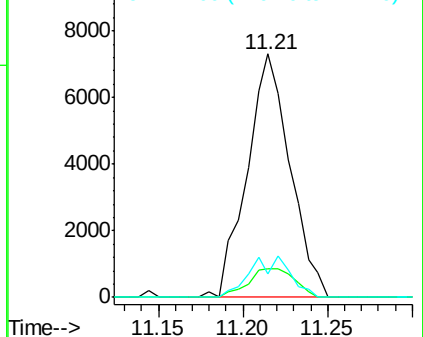
127 9.8 10.3 15.5#



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



#44

Dimethylphthalate

Concen: 6.673 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

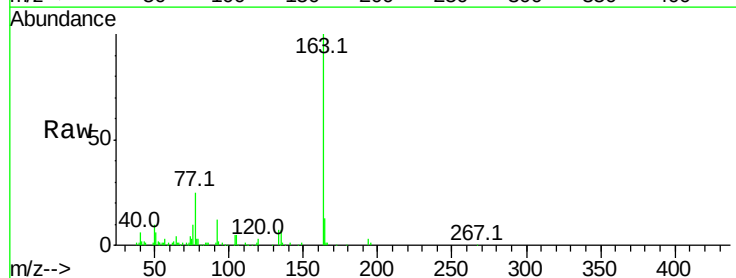
Tgt Ion:163 Resp: 69615

Ion Ratio Lower Upper

163 100

194 3.1 3.4 5.0#

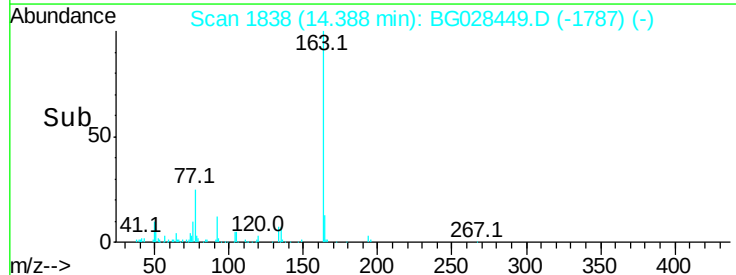
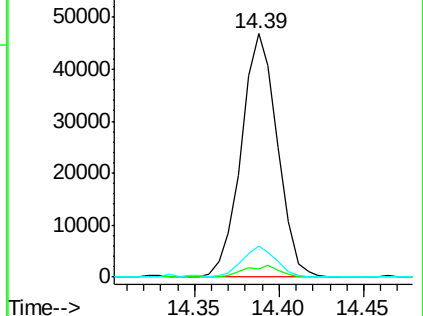
164 13.0 9.0 13.4

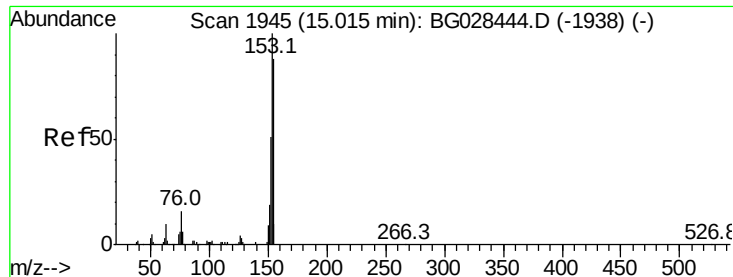


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.977 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

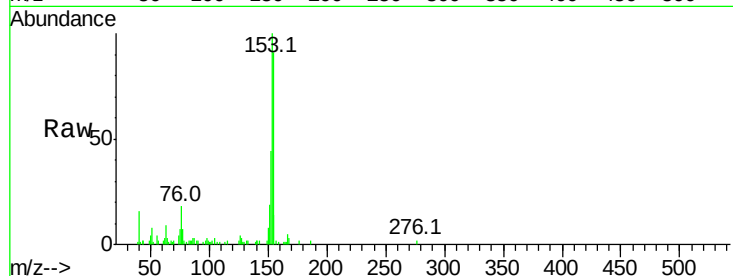
Tot Ion:153 Resp: 24525

Ion Ratio Lower Upper

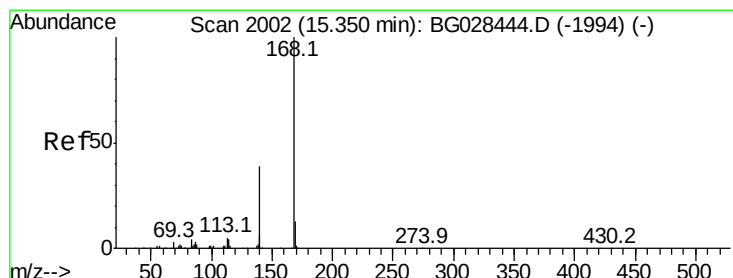
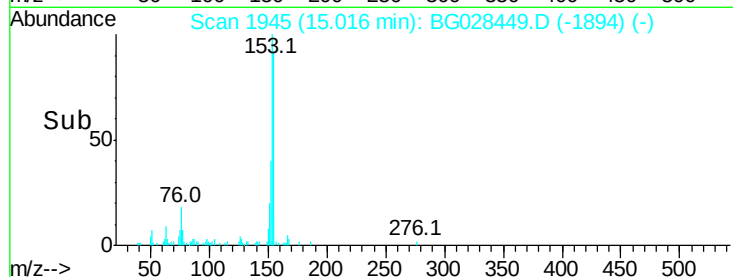
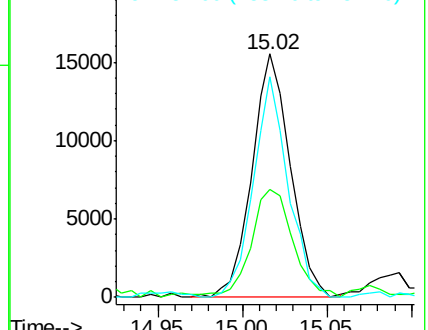
153 100

152 44.2 36.5 54.7

154 90.7 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



#53

Dibenzofuran

Concen: 1.849 ng/ul

RT: 15.35 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG028449.D

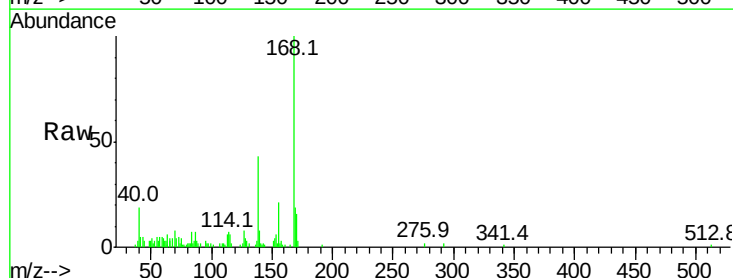
Acq: 23 Aug 2017 14:05

Tgt Ion:168 Resp: 22202

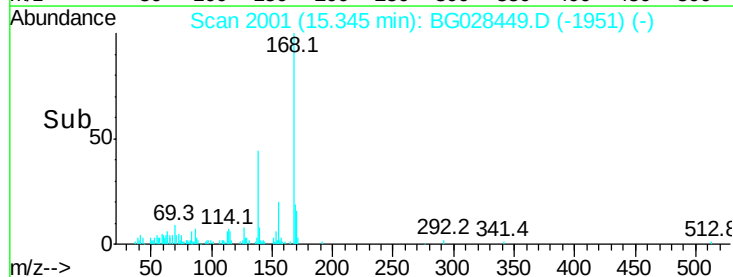
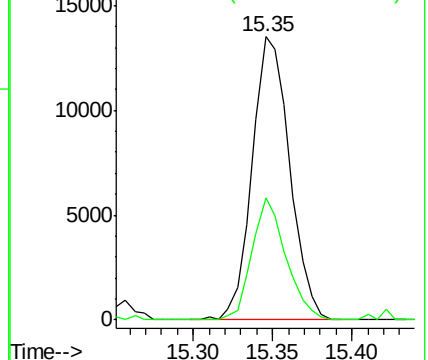
Ion Ratio Lower Upper

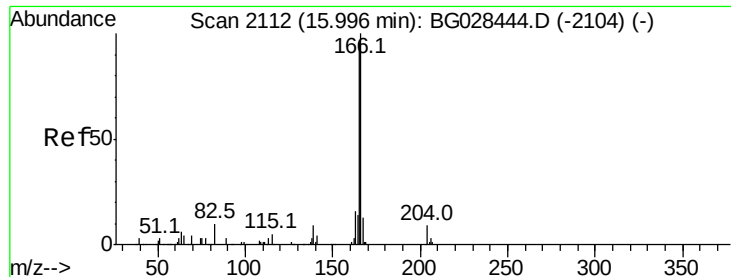
168 100

139 43.3 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.974 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

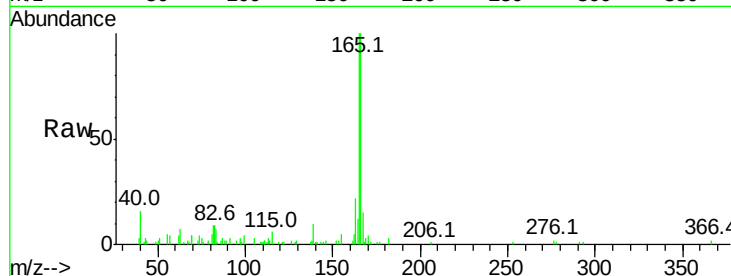
Tot Ion:166 Resp: 20992

Ion Ratio Lower Upper

166 100

165 100.2 79.7 119.5

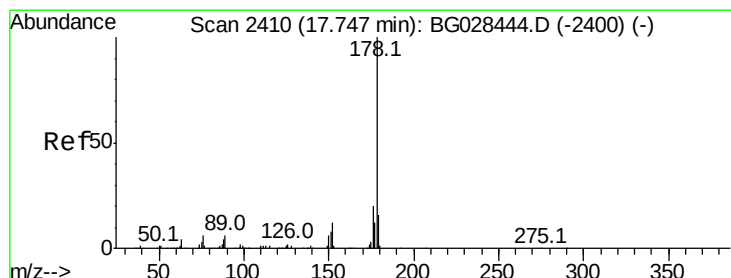
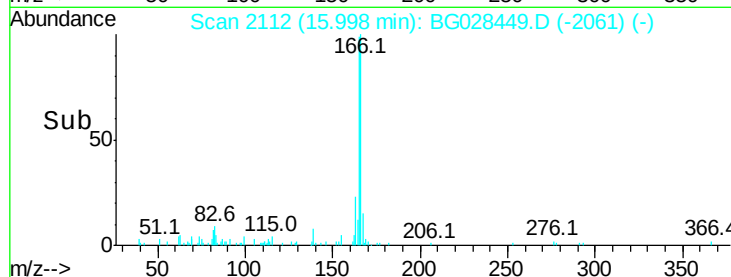
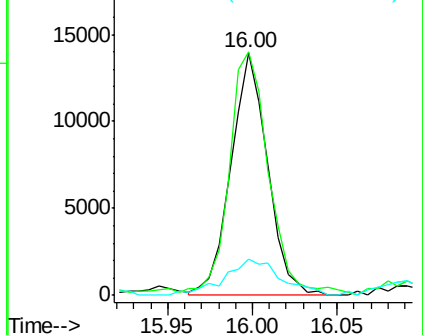
167 14.8 11.4 17.2



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



#69

Phenanthrene

Concen: 7.696 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.09 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

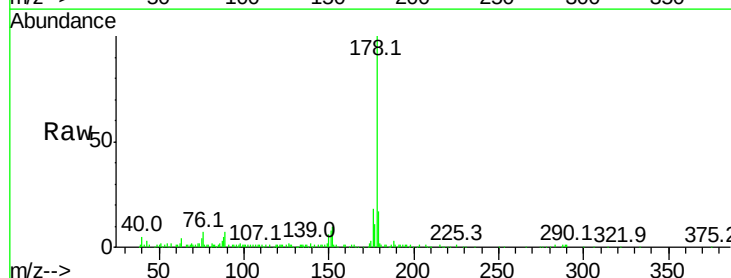
Tgt Ion:178 Resp: 77249

Ion Ratio Lower Upper

178 100

179 17.3 12.4 18.6

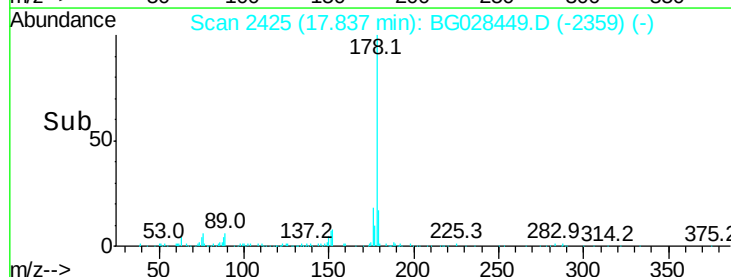
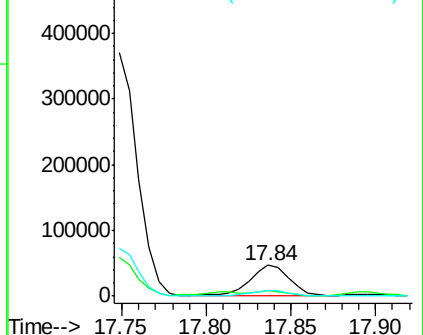
176 17.9 16.5 24.7

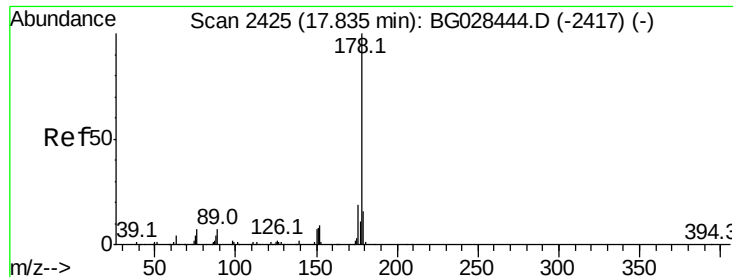


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.556 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

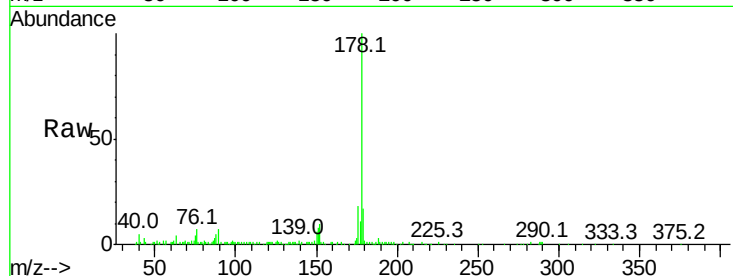
Tot Ion:178 Resp: 77513

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.6	19.0
176	17.9	15.9	23.9

178 100

179 17.3 12.6 19.0

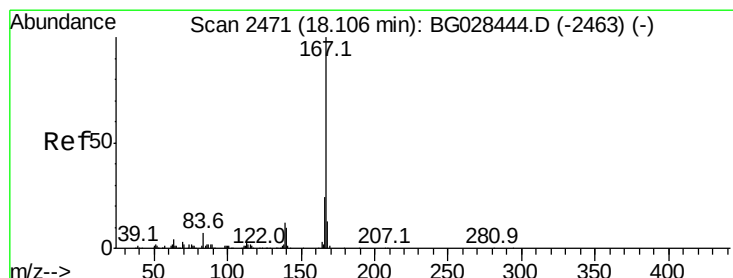
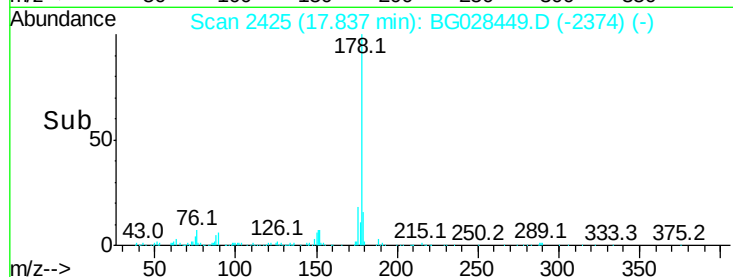
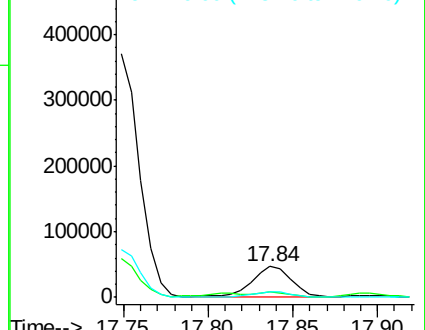
176 17.9 15.9 23.9



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: 5.911 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

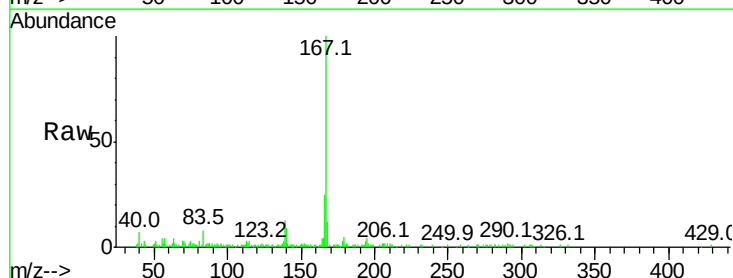
Tgt Ion:167 Resp: 52734

Ion	Ratio	Lower	Upper
167	100		
166	24.7	17.9	26.9
139	13.2	10.5	15.7

167 100

166 24.7 17.9 26.9

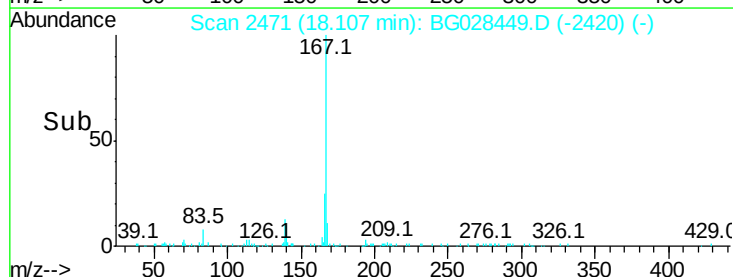
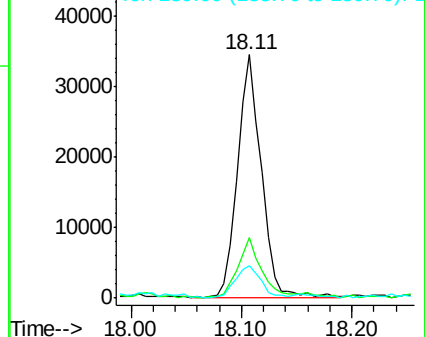
139 13.2 10.5 15.7

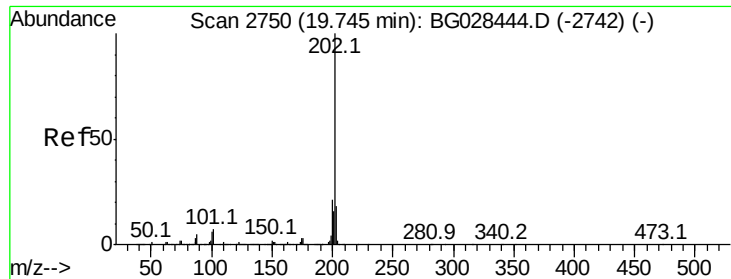


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

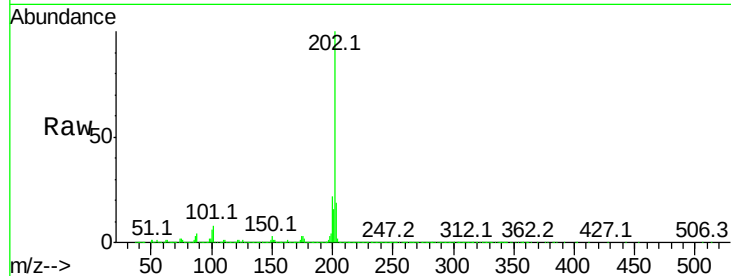




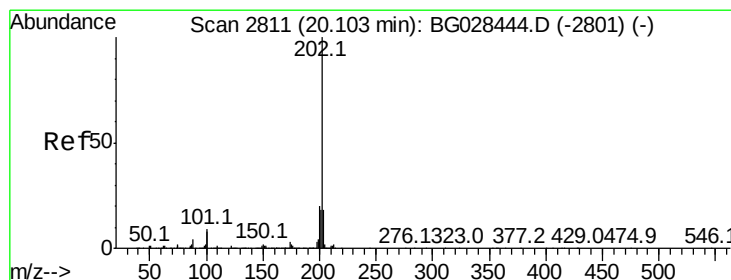
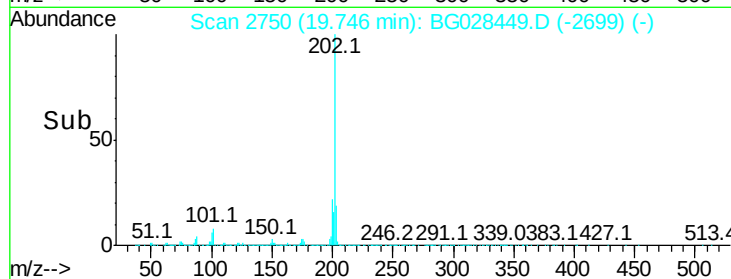
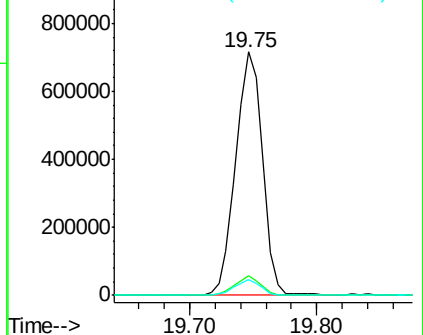
#74
Fluoranthene
Concen: 85.223 ng/ul
RT: 19.75 min Scan# 2750
Delta R.T. 0.00 min
Lab File: BG028449.D
Acq: 23 Aug 2017 14:05

Instrument :
BNA_G
ClientSampleId :
B0AC2

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.2	9.2
100	6.3	5.2	7.8

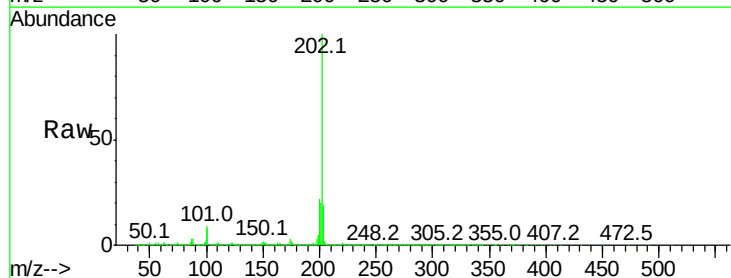


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

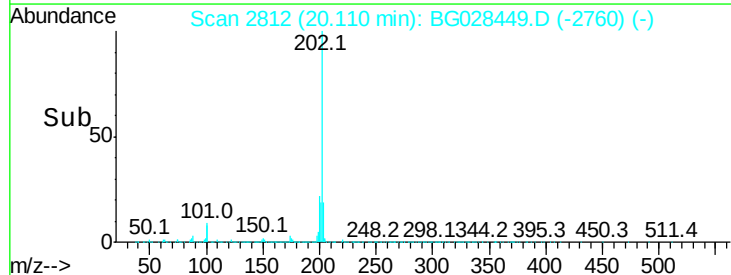
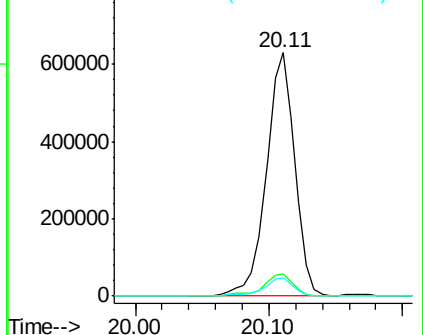


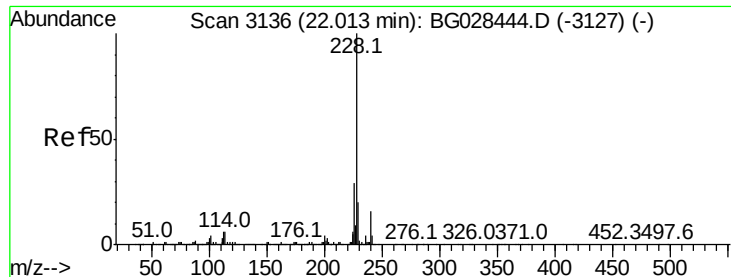
#77
Pyrene
Concen: 47.765 ng/ul
RT: 20.11 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BG028449.D
Acq: 23 Aug 2017 14:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.9	10.3
100	7.7	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: 27.030 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

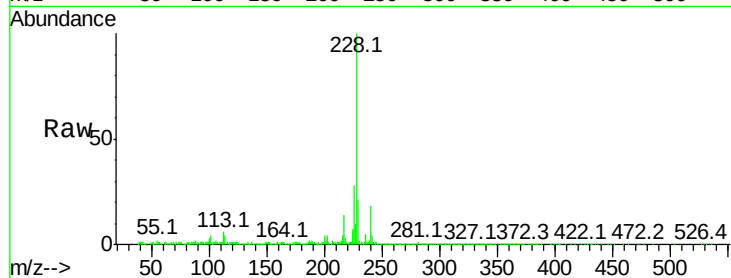
Tot Ion:228 Resp: 508188

Ion Ratio Lower Upper

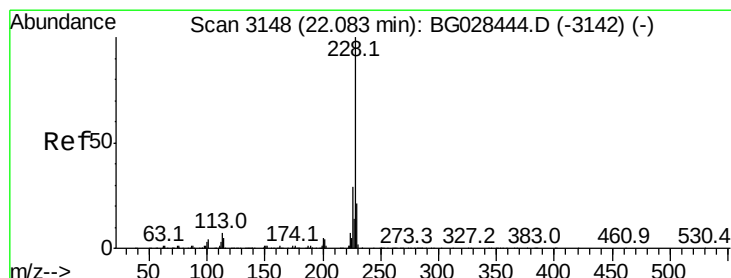
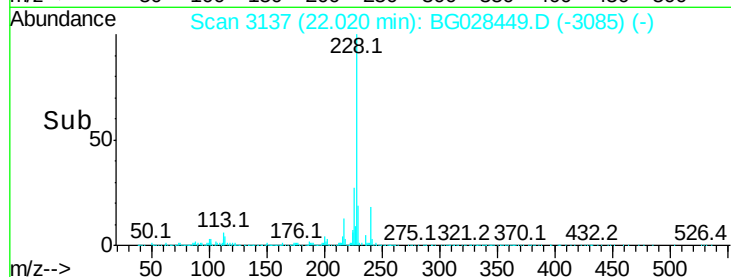
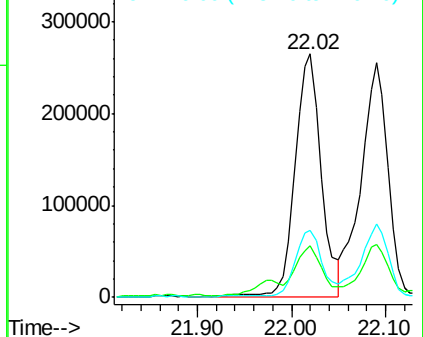
228 100

229 21.3 16.3 24.5

226 27.5 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



#82

Chrysene

Concen: 29.727 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

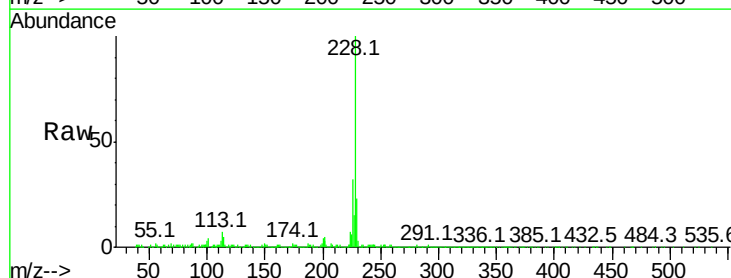
Tgt Ion:228 Resp: 503343

Ion Ratio Lower Upper

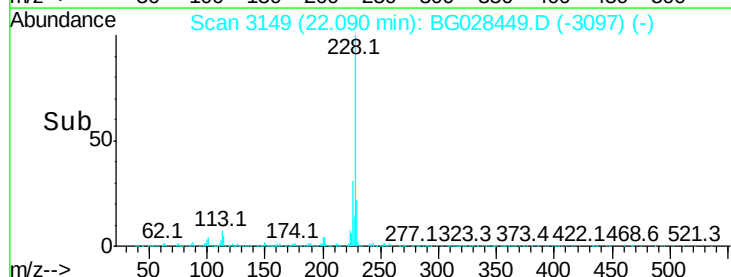
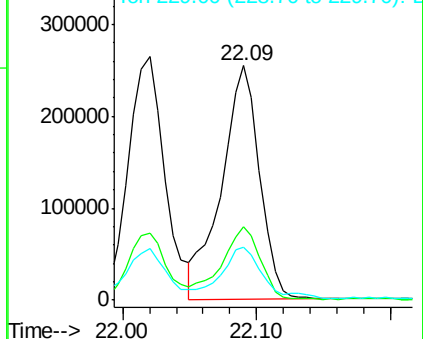
228 100

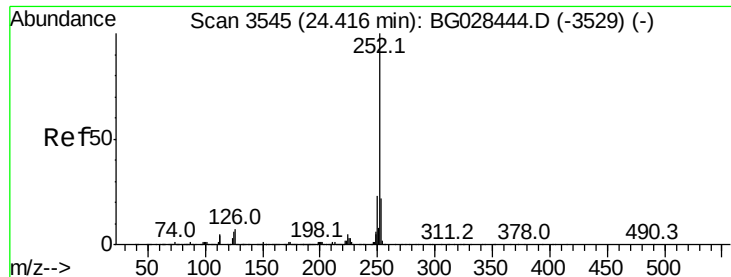
226 31.6 24.0 36.0

229 22.8 16.9 25.3



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: 46.179 ng/ul

RT: 24.43 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

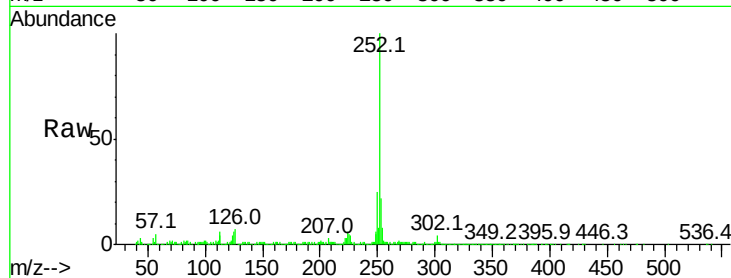
Tot Ion:252 Resp: 862016

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

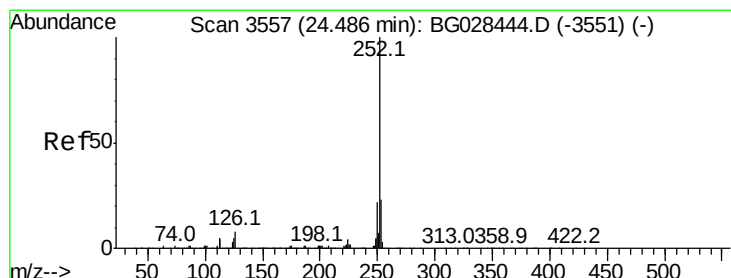
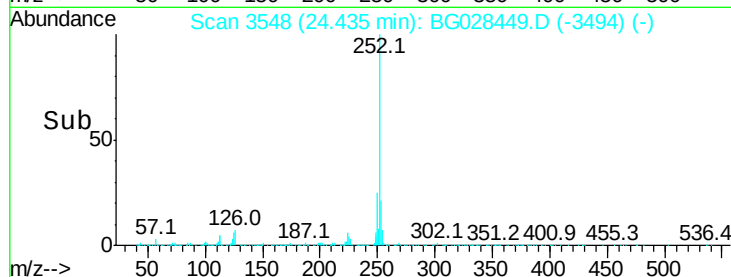
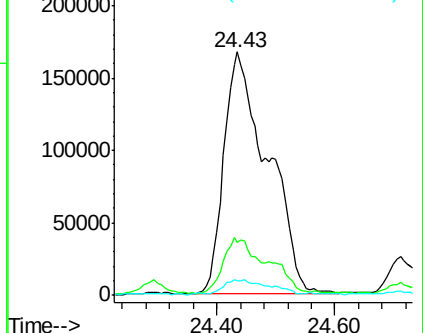
125 6.1 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 47.276 ng/ul

RT: 24.43 min Scan# 3548

Delta R.T. -0.05 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

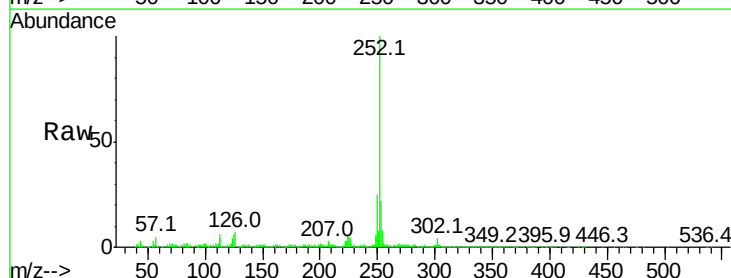
Tgt Ion:252 Resp: 862016

Ion Ratio Lower Upper

252 100

253 21.7 18.5 27.7

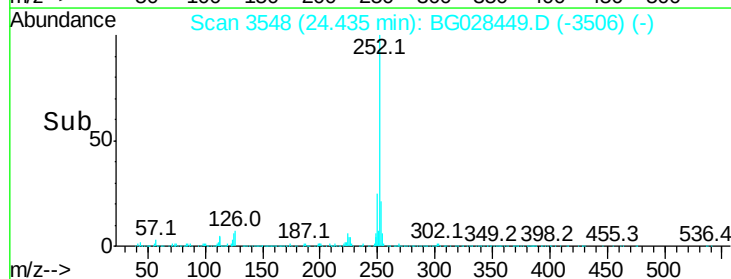
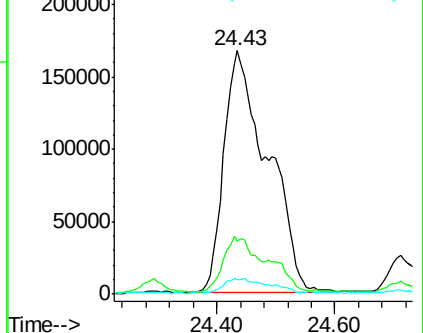
125 6.1 4.1 6.1

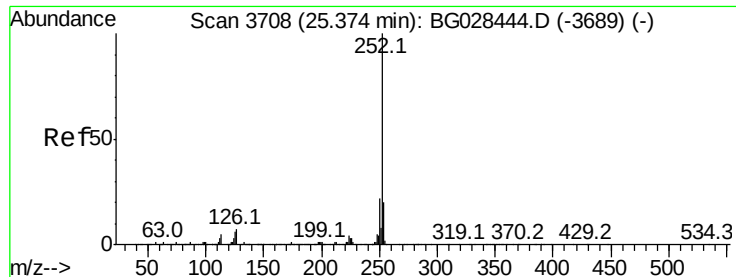


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 24.530 ng/ul

RT: 25.39 min Scan# 3711

Delta R.T. 0.02 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

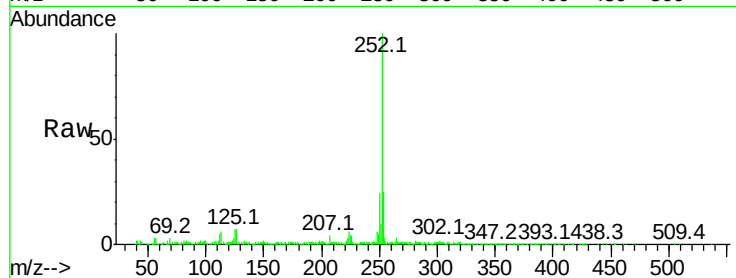
Tot Ion:252 Resp: 443348

Ion Ratio Lower Upper

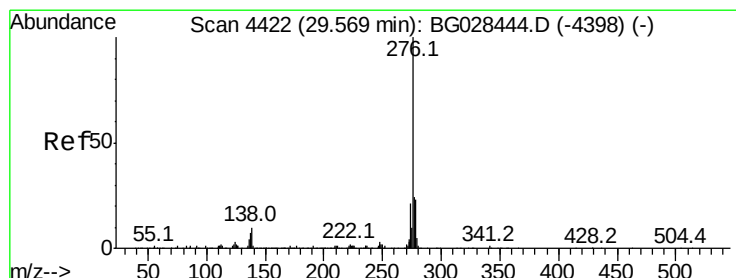
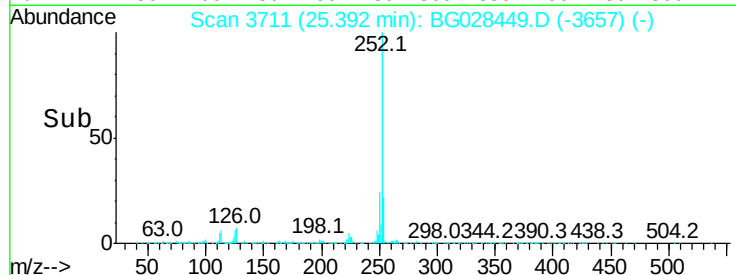
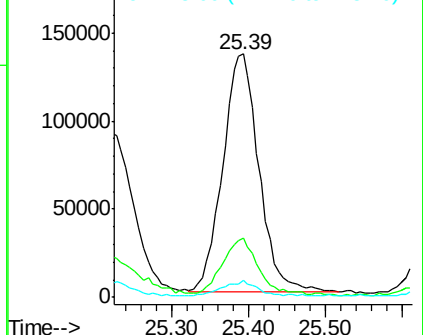
252 100

253 24.5 17.8 26.6

125 7.1 5.4 8.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.173 ng/ul

RT: 29.59 min Scan# 4425

Delta R.T. 0.02 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

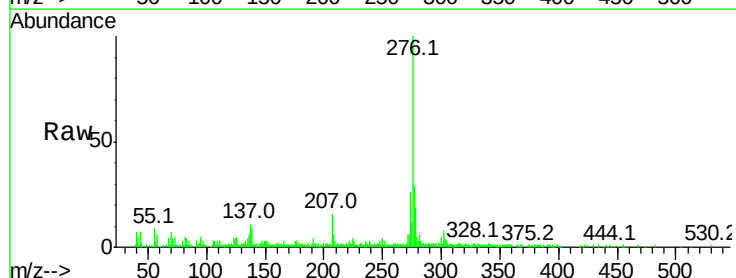
Tgt Ion:276 Resp: 215305

Ion Ratio Lower Upper

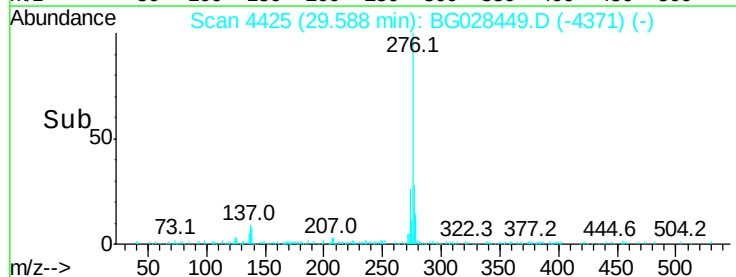
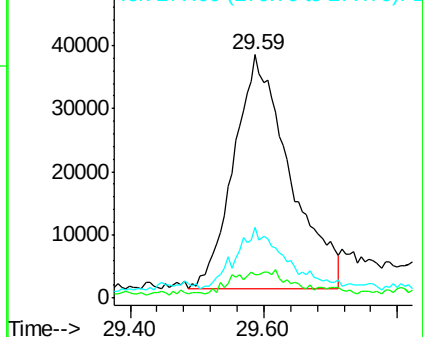
276 100

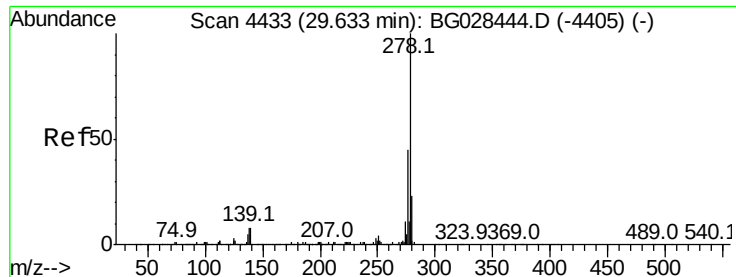
138 9.5 8.2 12.4

277 29.2 18.6 28.0#



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





#90

Dibenzo(a,h)anthracene

Concen: 1.331 ng/ul

RT: 29.61 min Scan# 4429

Delta R.T. -0.02 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Instrument :

BNA_G

ClientSampleId :

B0AC2

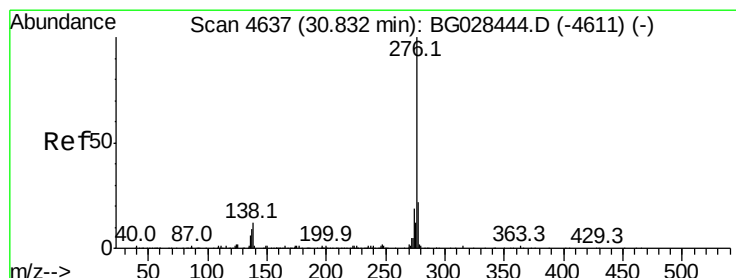
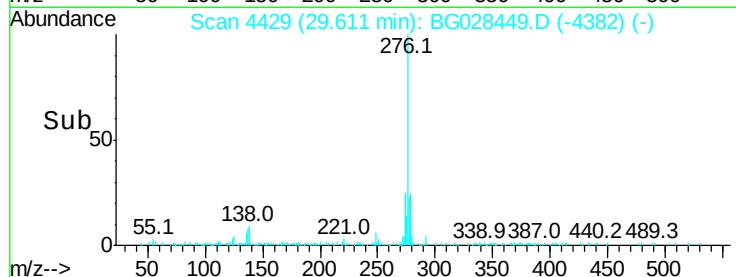
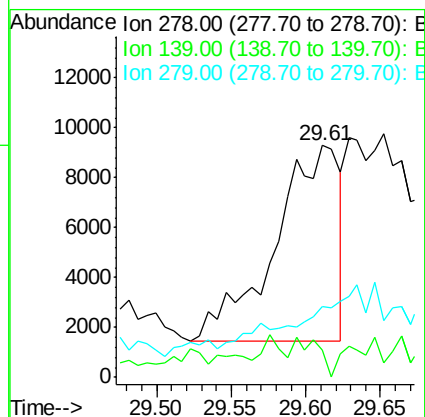
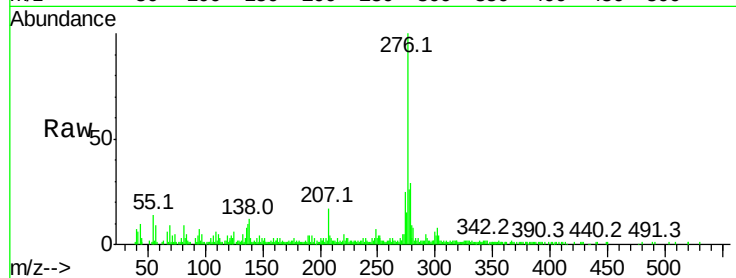
Tot Ion:278 Resp: 23607

Ion Ratio Lower Upper

278 100

139 11.9 6.7 10.1#

279 30.5 20.9 31.3



#91

Benzo(g,h,i)perylene

Concen: 10.161 ng/ul

RT: 30.86 min Scan# 4642

Delta R.T. 0.03 min

Lab File: BG028449.D

Acq: 23 Aug 2017 14:05

Tgt Ion:276 Resp: 176924

Ion Ratio Lower Upper

276 100

138 11.6 8.6 12.8

277 26.4 17.6 26.4#

