

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029424.D
 Acq On : 24 Oct 2017 14:42
 Operator : SJ/JU
 Sample : I5925-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 19:15:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	71535	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	336976	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	231316	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	575050	20.00	ng/ul	-0.01
75) Chrysene-d12	21.79	240	610976	20.00	ng/ul	-0.01
83) Perylene-d12	25.10	264	618993	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	7620	4.33	ng/uL	0.00
5) Phenol-d5	7.31	99	154011	22.43	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	91126	21.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	119238	24.62	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	137245	24.75	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	62077	25.66	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.06	143	74635	30.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	143058	25.33	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	222005	33.83	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	483109	24.43	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	591817	24.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	64153	17.57	ng/ul	-0.01
57) Fluorene-d10	15.77	176	440650	27.21	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	53957	19.22	ng/ul	-0.01
70) Anthracene-d10	17.62	188	686208	25.23	ng/ul	-0.01
76) Pyrene-d10	19.89	212	788030	24.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	760377	25.94	ng/ul	-0.01

Target Compounds

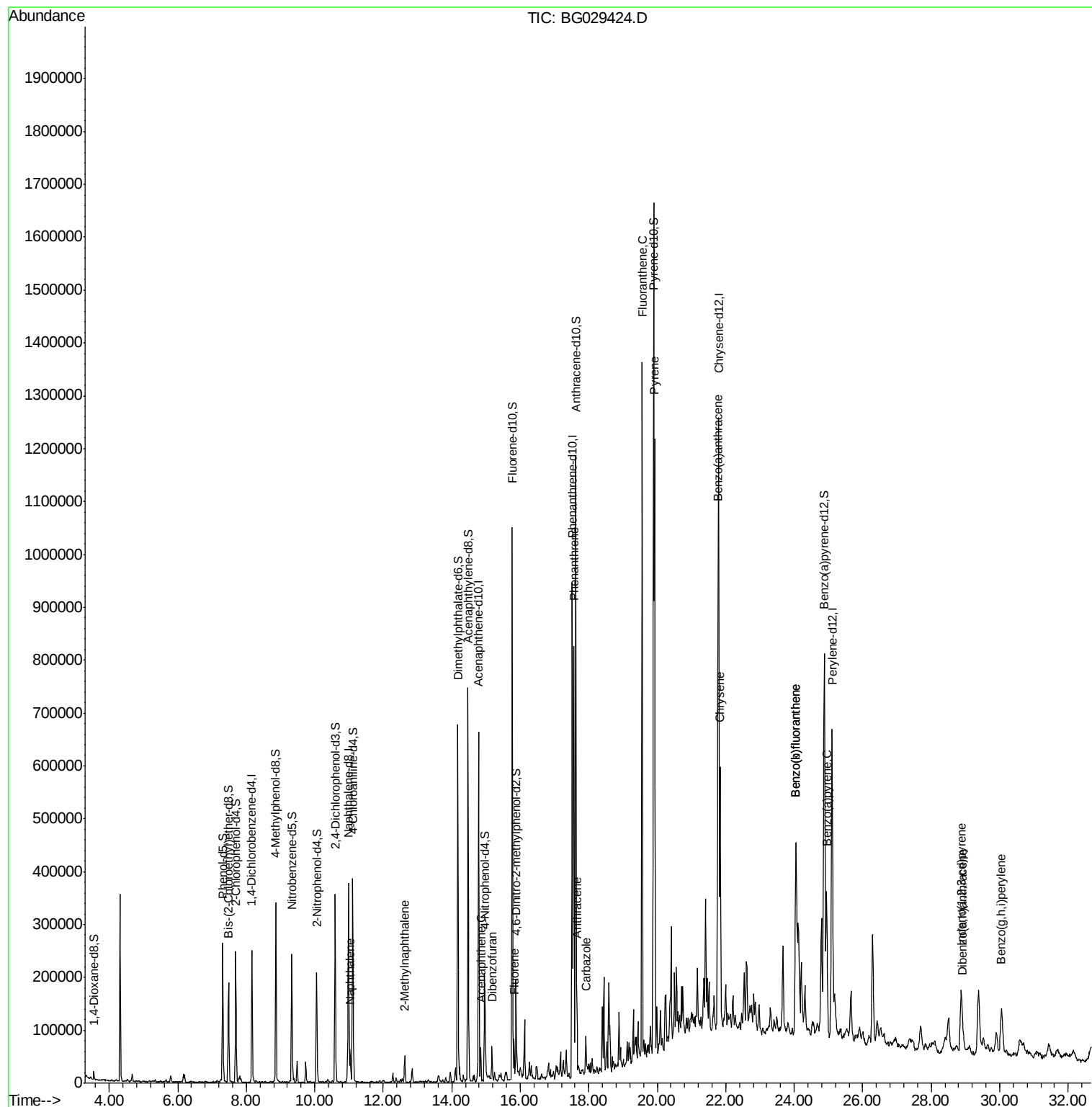
					Ovalue	
28) Naphthalene	11.03	128	50758	2.847	ng/ul	97
34) 2-Methylnaphthalene	12.62	142	25236	1.710	ng/ul	98
49) Acenaphthene	14.84	153	27240	1.623	ng/ul	95
53) Dibenzofuran	15.18	168	33781	1.472	ng/ul	91
58) Fluorene	15.83	166	34342	1.876	ng/ul	93
69) Phenanthrene	17.57	178	540942	17.401	ng/ul	98
71) Anthracene	17.65	178	109833	3.424	ng/ul	99
72) Carbazole	17.92	167	45112	1.565	ng/ul	97
74) Fluoranthene	19.56	202	839272	24.157	ng/ul	100
77) Pyrene	19.92	202	729499	17.815	ng/ul	99
80) Benzo(a)anthracene	21.77	228	414830	10.834	ng/ul	100
82) Chrysene	21.84	228	376721	10.828	ng/ul	97
85) Benzo(b)fluoranthene	24.05	252	485549	13.066	ng/ul	99
86) Benzo(k)fluoranthene	24.05	252	485549	13.514	ng/ul	99
88) Benzo(a)pyrene	24.94	252	312938	8.651	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.88	276	192307	4.699	ng/ul	97
90) Dibenzo(a,h)anthracene	28.92	278	58047	1.707	ng/ul	98
91) Benzo(g,h,i)perylene	30.05	276	176164	5.193	ng/ul	96

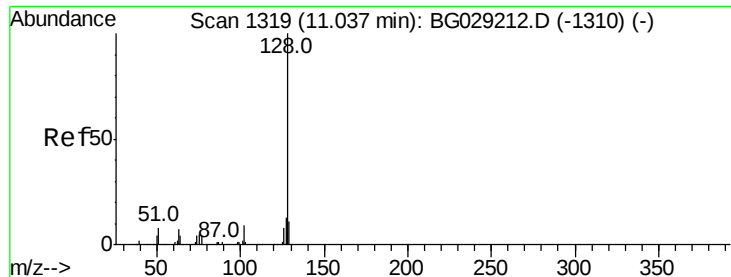
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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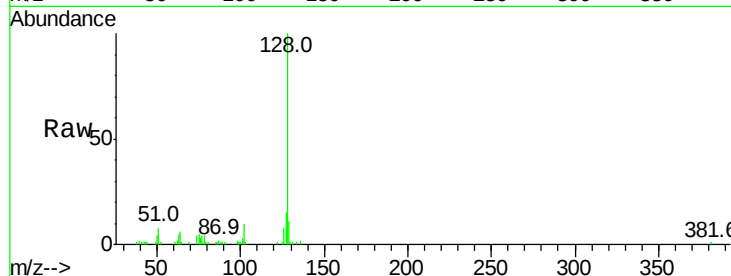




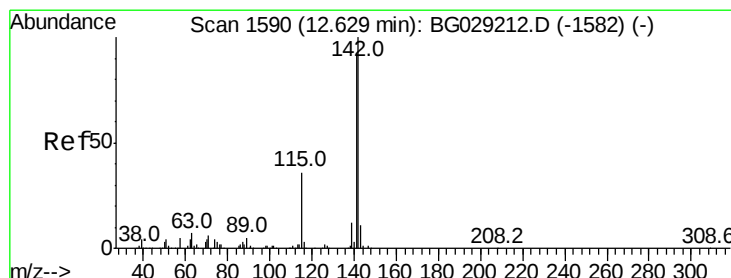
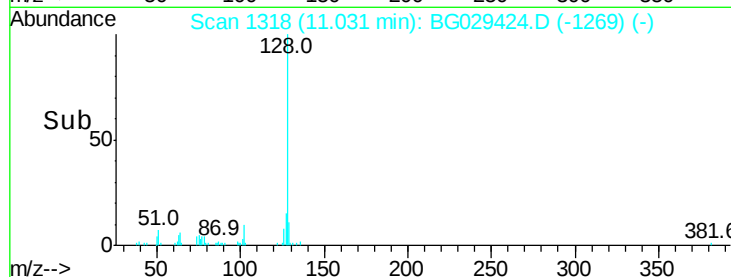
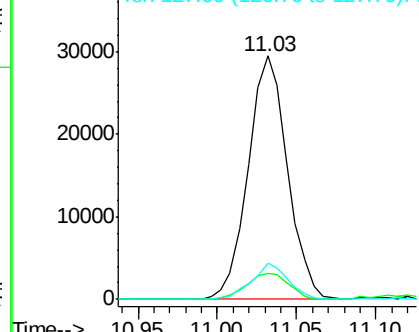
#28
Naphthalene
Concen: 2.847 ng/ul
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 50758
Ion Ratio Lower Upper
128 100
129 10.8 9.3 13.9
127 14.9 10.7 16.1

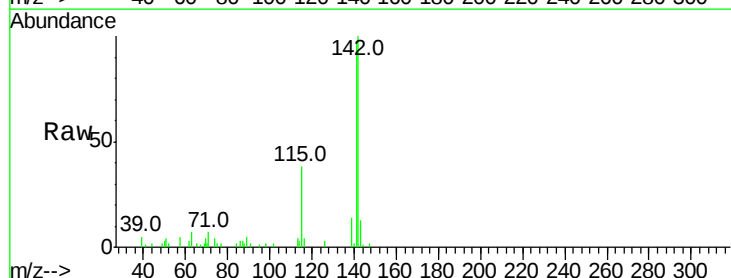


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

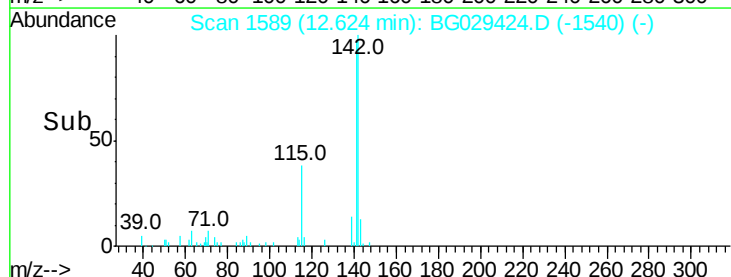
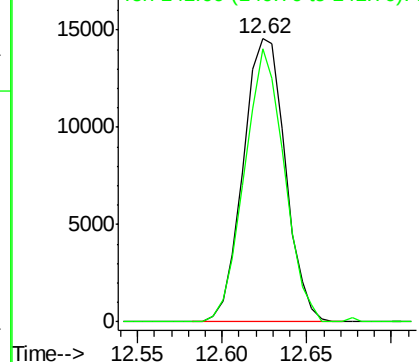


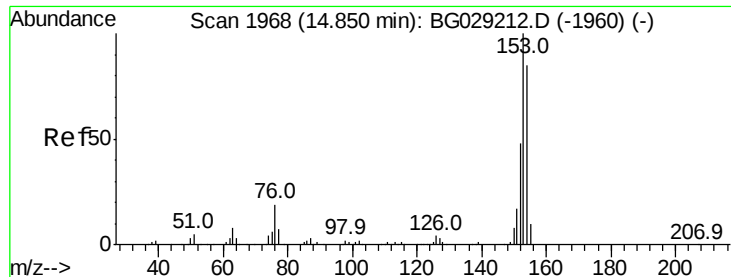
#34
2-Methylnaphthalene
Concen: 1.710 ng/ul
RT: 12.62 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion:142 Resp: 25236
Ion Ratio Lower Upper
142 100
141 96.6 75.4 113.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 1.623 ng/ul

RT: 14.84 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampleId :

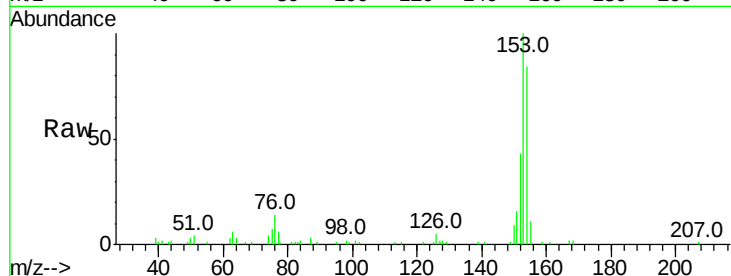
Tot Ion:153 Resp: 27240

Ion Ratio Lower Upper

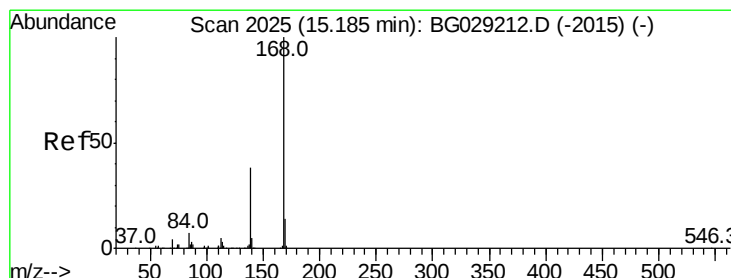
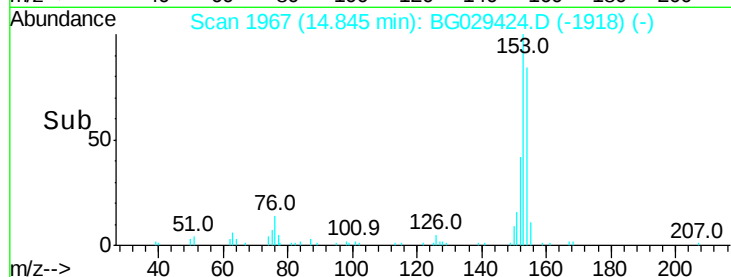
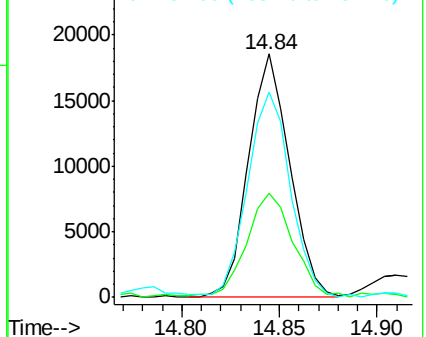
153 100

152 42.9 38.2 57.2

154 84.1 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



#53

Dibenzofuran

Concen: 1.472 ng/ul

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029424.D

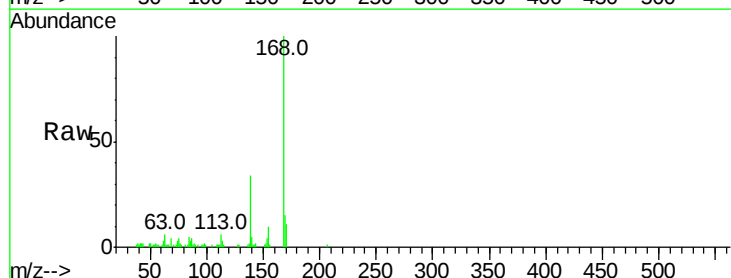
Acq: 24 Oct 2017 14:42

Tgt Ion:168 Resp: 33781

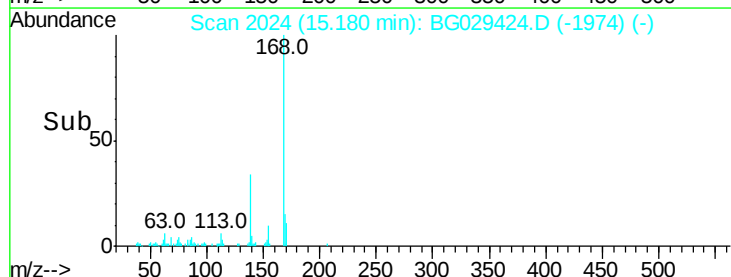
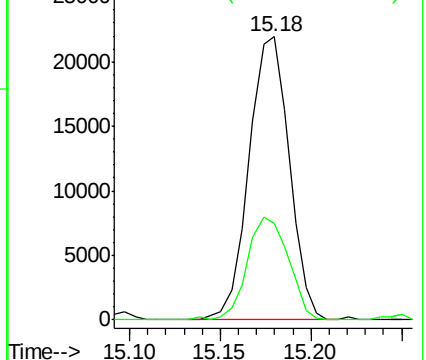
Ion Ratio Lower Upper

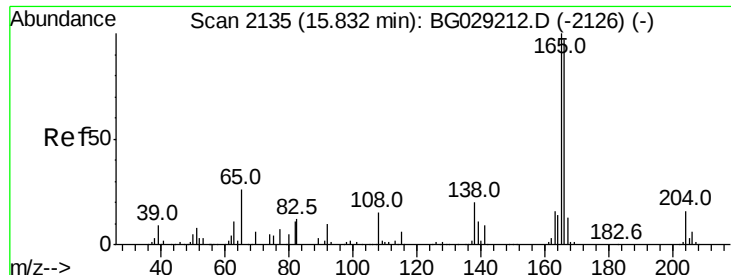
168 100

139 33.9 31.4 47.2



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





#58

Fluorene

Concen: 1.876 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampleId :

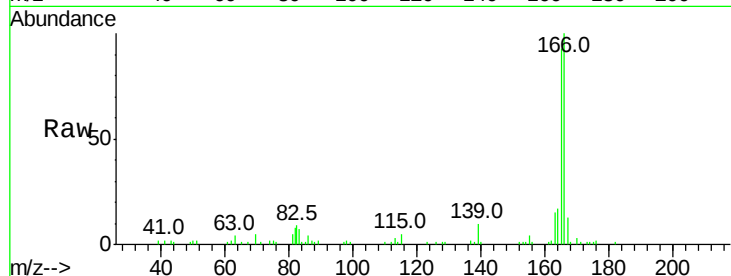
Tot Ion:166 Resp: 34342

Ion Ratio Lower Upper

166 100

165 92.5 79.9 119.9

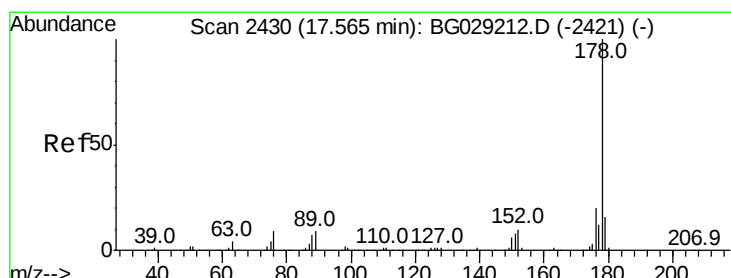
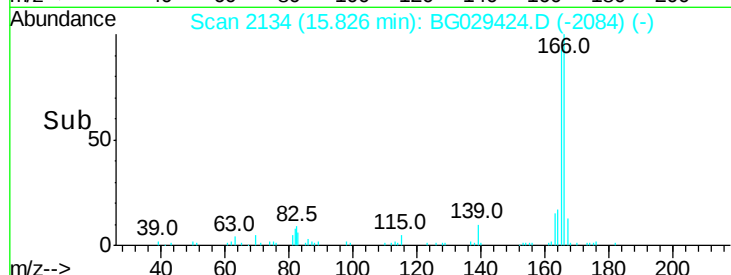
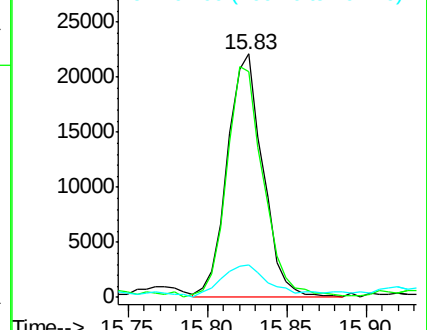
167 13.5 10.6 16.0



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: 17.401 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

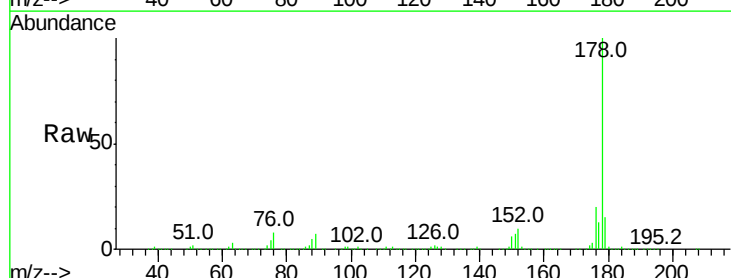
Tgt Ion:178 Resp: 540942

Ion Ratio Lower Upper

178 100

179 15.3 13.0 19.6

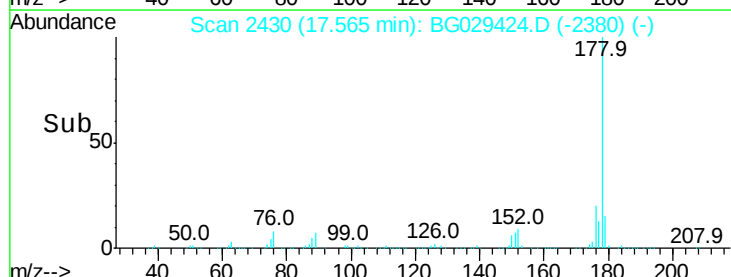
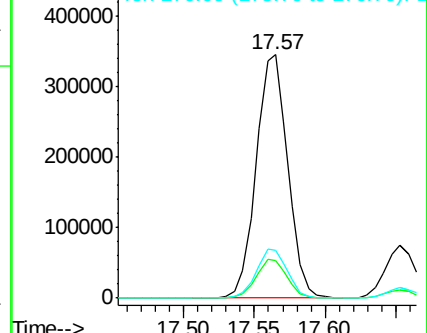
176 19.6 15.3 22.9

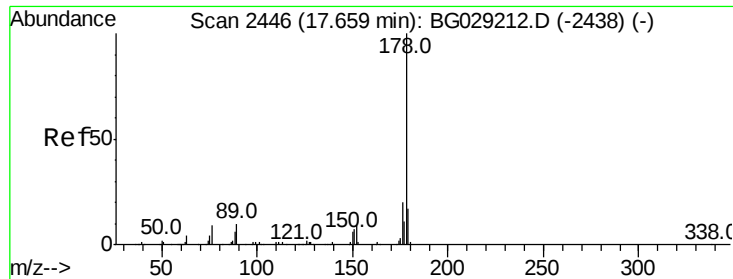


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

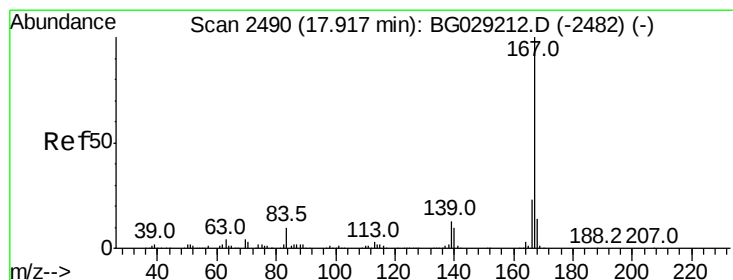
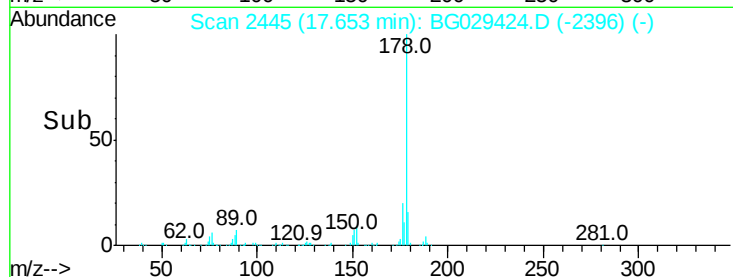
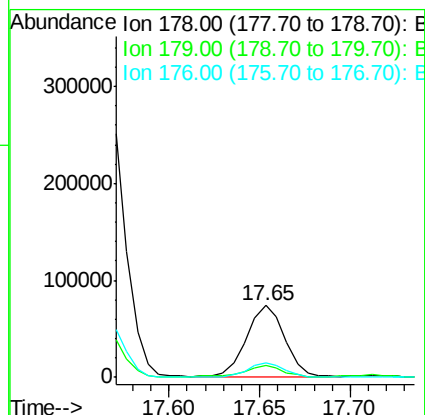
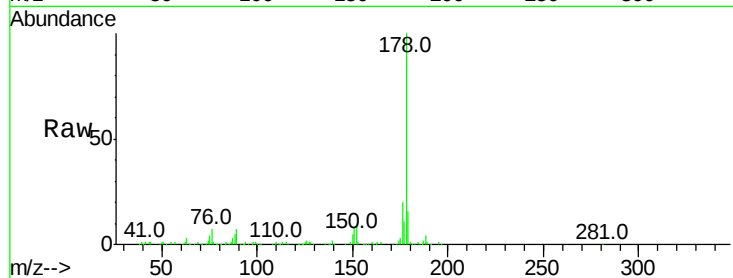




#71
 Anthracene
 Concen: 3.424 ng/ul
 RT: 17.65 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029424.D
 Acq: 24 Oct 2017 14:42

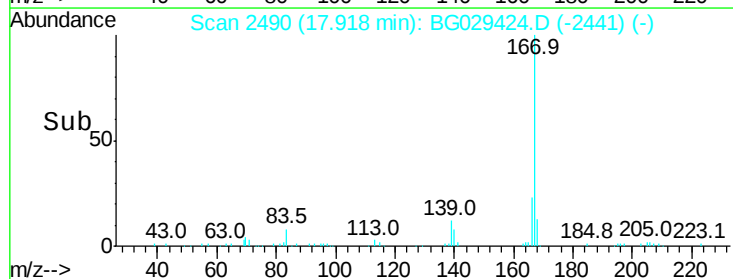
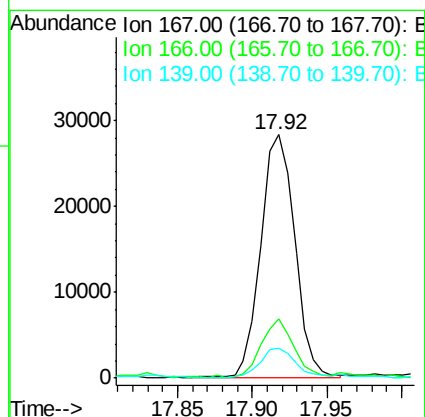
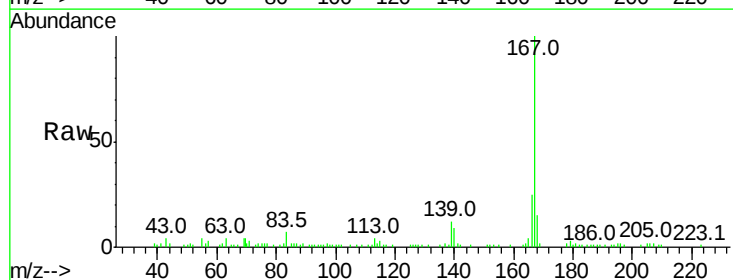
Instrument :
 BNA_G
 ClientSampleId :

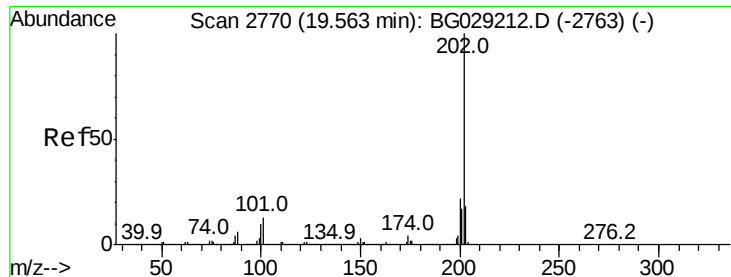
Tot Ion:178 Resp: 109833
 Ion Ratio Lower Upper
 178 100
 179 16.0 13.2 19.8
 176 20.0 16.0 24.0



#72
 Carbazole
 Concen: 1.565 ng/ul
 RT: 17.92 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BG029424.D
 Acq: 24 Oct 2017 14:42

Tgt Ion:167 Resp: 45112
 Ion Ratio Lower Upper
 167 100
 166 24.6 18.6 28.0
 139 12.3 10.6 16.0





#74

Fluoranthene

Concen: 24.157 ng/ul

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampleId :

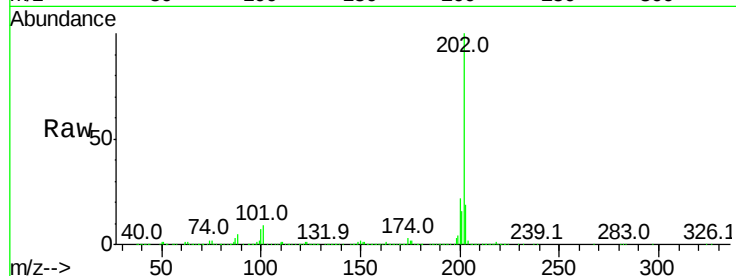
Tot Ion:202 Resp: 839272

Ion Ratio Lower Upper

202 100

101 9.4 7.4 11.2

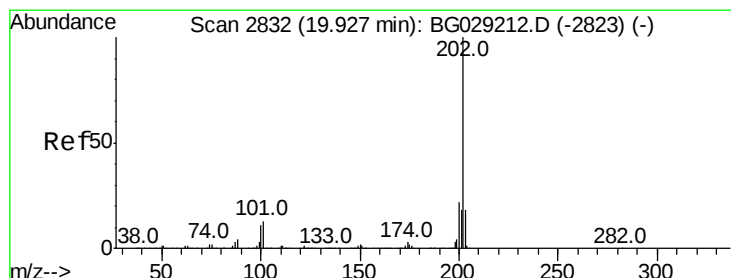
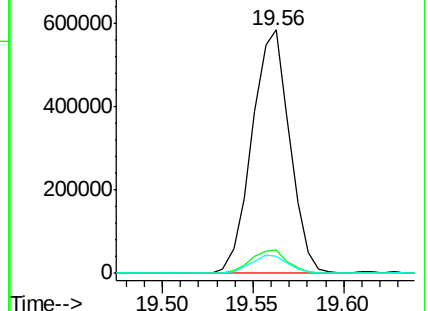
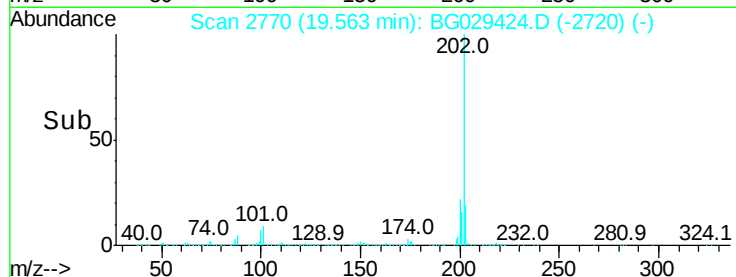
100 7.1 5.6 8.4



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: 17.815 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

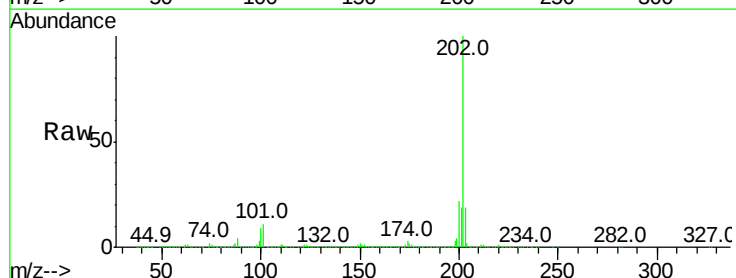
Tgt Ion:202 Resp: 729499

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

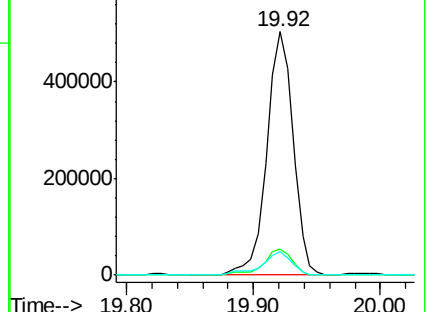
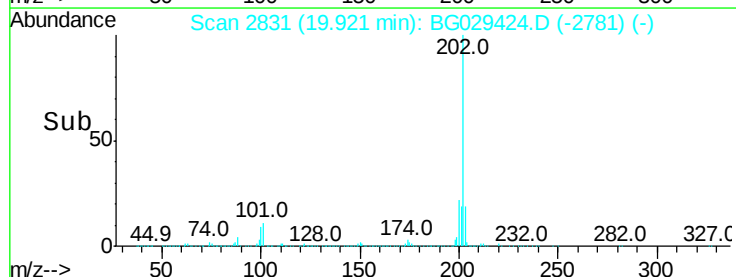
100 9.4 7.0 10.6

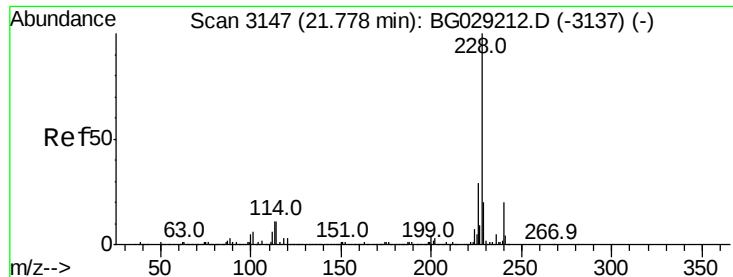


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

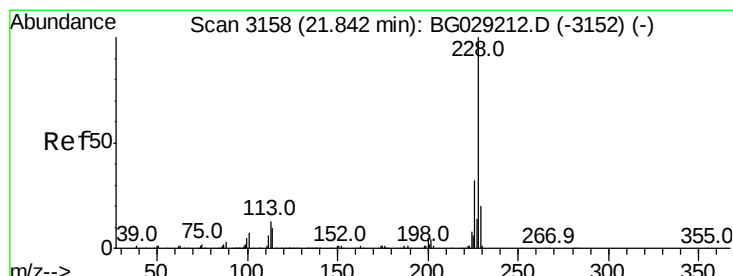
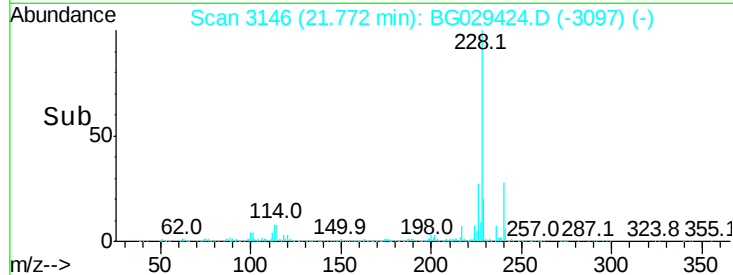
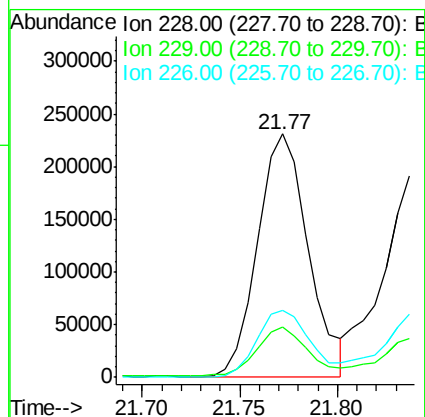
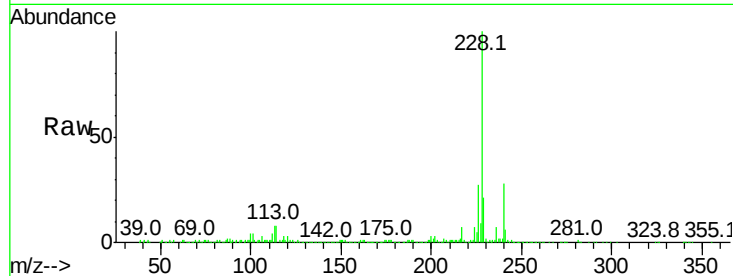




#80
Benzo(a)anthracene
Concen: 10.834 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

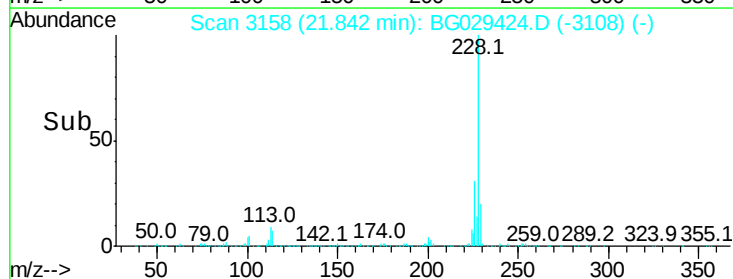
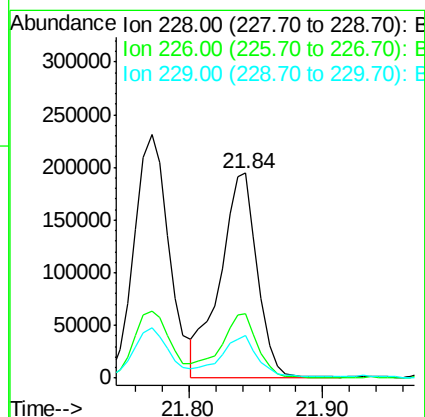
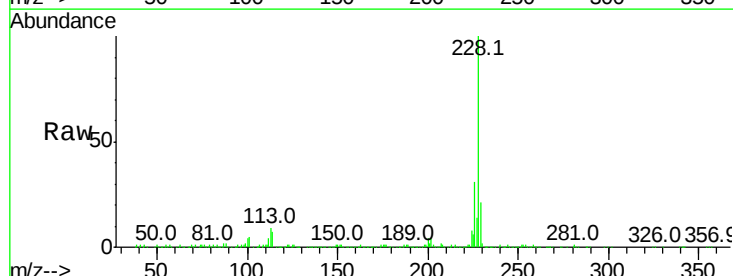
Instrument :
BNA_G
ClientSampleId :

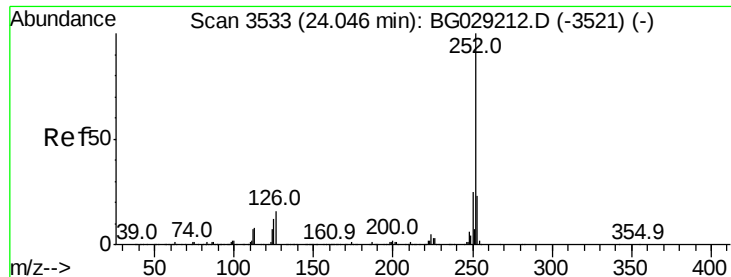
Tot Ion:228 Resp: 414830
Ion Ratio Lower Upper
228 100
229 20.5 16.2 24.4
226 27.5 22.2 33.2



#82
Chrysene
Concen: 10.828 ng/ul
RT: 21.84 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG029424.D
Acq: 24 Oct 2017 14:42

Tgt Ion:228 Resp: 376721
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 20.6 15.2 22.8





#85

Benzo(b)fluoranthene

Concen: 13.066 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampleId :

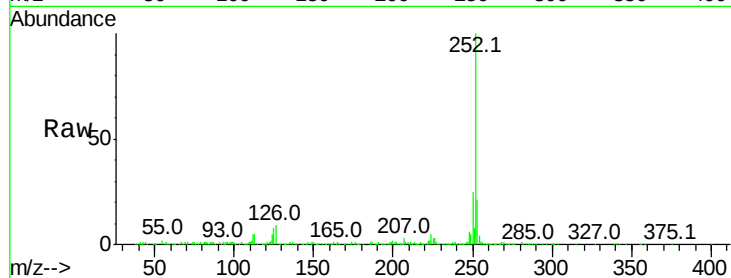
Tot Ion:252 Resp: 485549

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

125 8.2 7.5 11.3

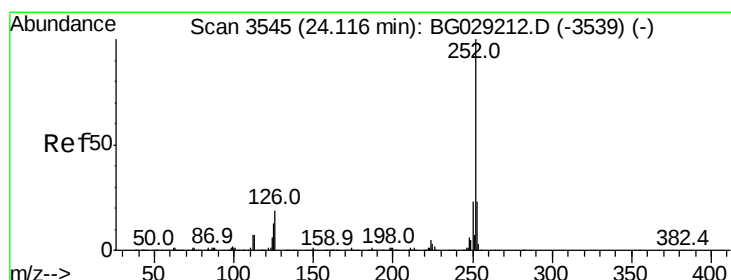
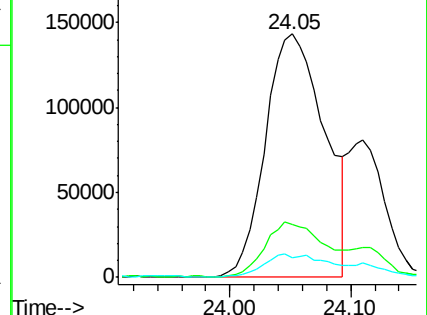
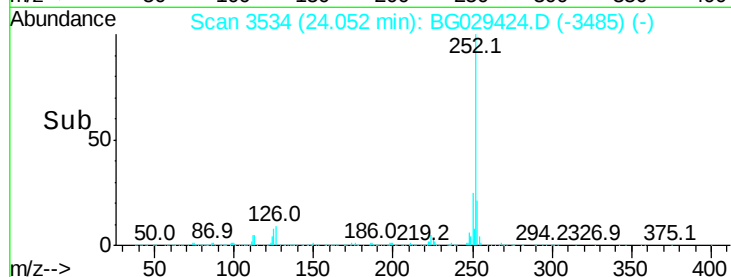


Abundance

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



#86

Benzo(k)fluoranthene

Concen: 13.514 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.08 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

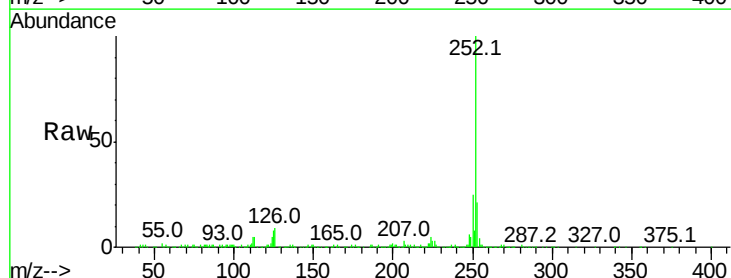
Tgt Ion:252 Resp: 485549

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.2 7.8 11.8

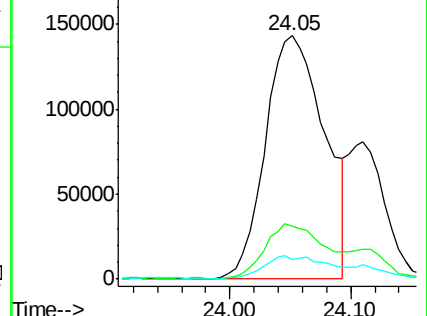
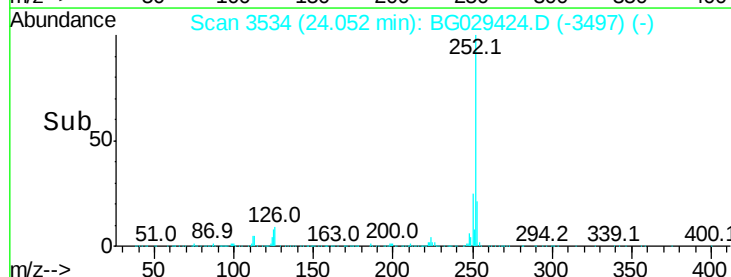


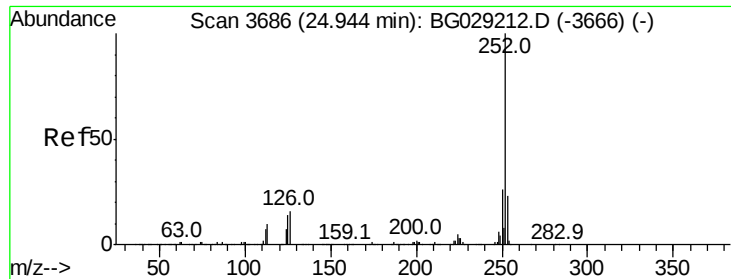
Abundance

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





#88

Benzo(a)pyrene

Concen: 8.651 ng/ul

RT: 24.94 min Scan# 3686

Delta R.T. -0.02 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampleId :

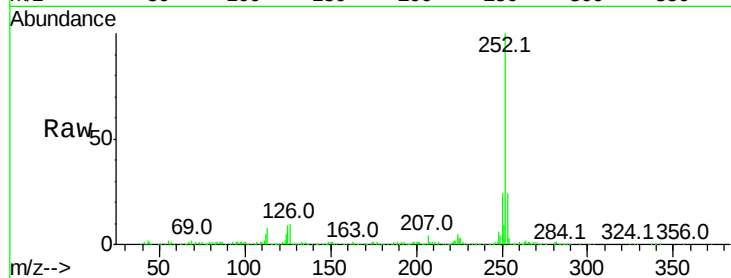
Tot Ion:252 Resp: 312938

Ion Ratio Lower Upper

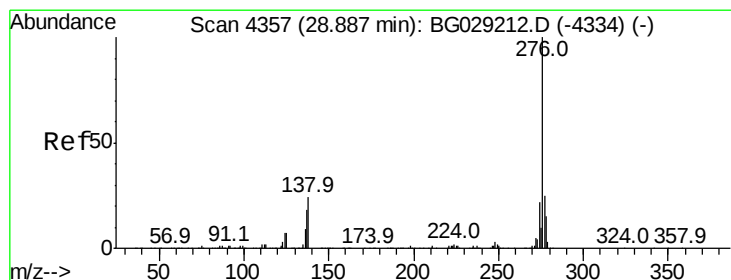
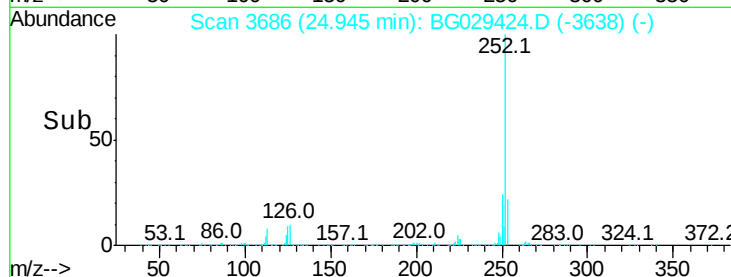
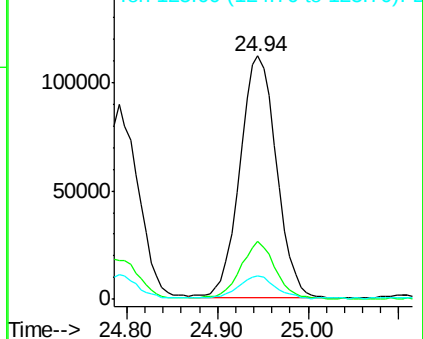
252 100

253 23.6 17.1 25.7

125 9.4 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



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng/ul

RT: 28.88 min Scan# 4355

Delta R.T. -0.04 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

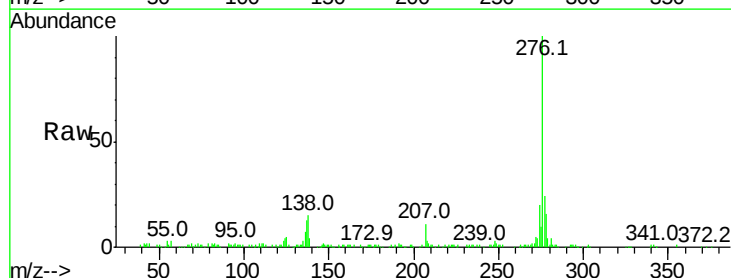
Tgt Ion:276 Resp: 192307

Ion Ratio Lower Upper

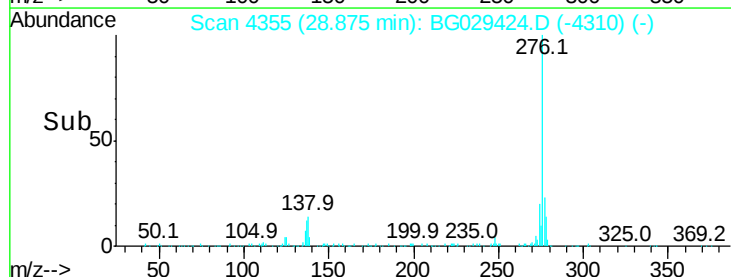
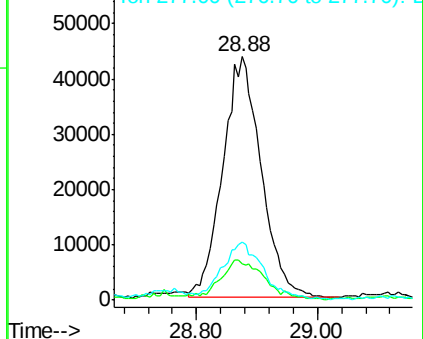
276 100

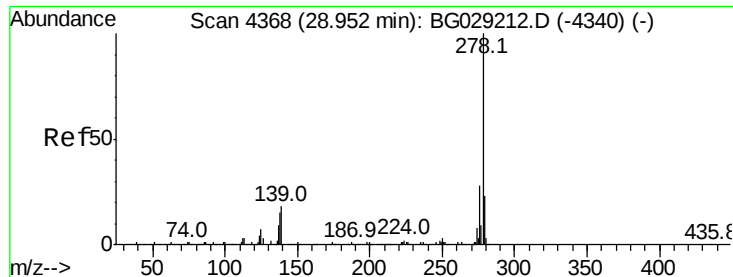
138 19.4 13.4 20.0

277 23.7 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: 1.707 ng/ul

RT: 28.92 min Scan# 4363

Delta R.T. -0.06 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

Instrument :

BNA_G

ClientSampled :

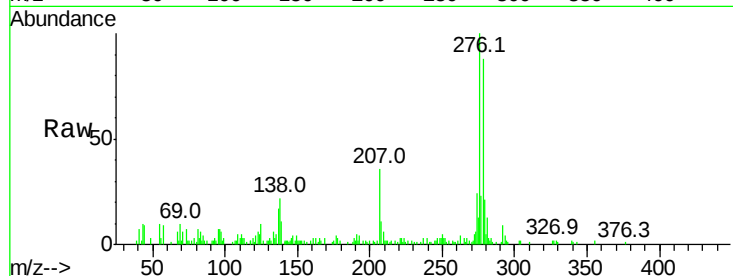
Tot Ion:278 Resp: 58047

Ion Ratio Lower Upper

278 100

139 12.8 9.4 14.2

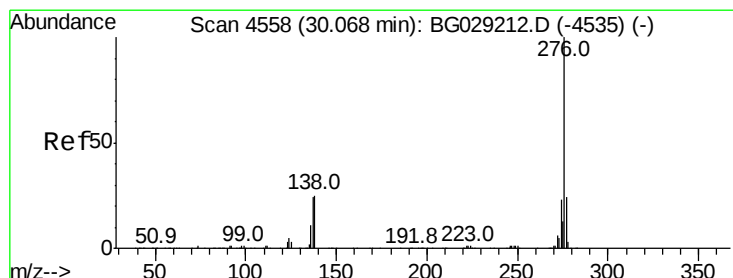
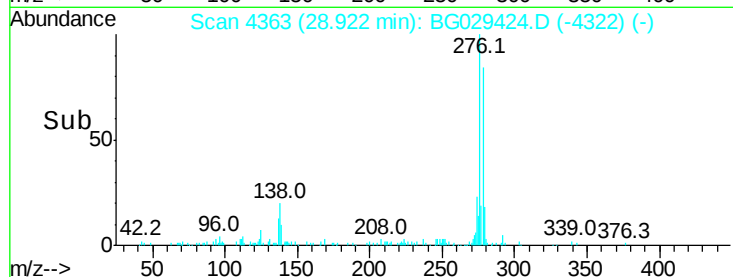
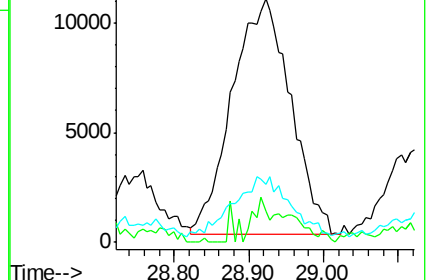
279 23.7 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.193 ng/ul

RT: 30.05 min Scan# 4555

Delta R.T. -0.05 min

Lab File: BG029424.D

Acq: 24 Oct 2017 14:42

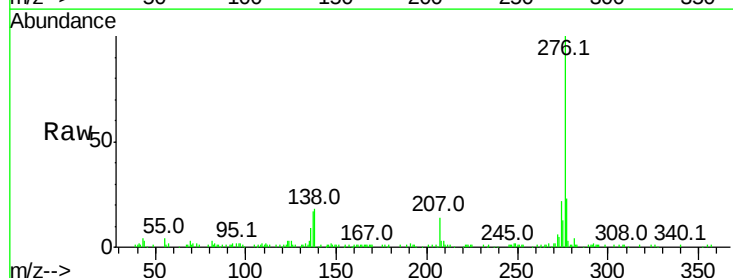
Tgt Ion:276 Resp: 176164

Ion Ratio Lower Upper

276 100

138 17.6 12.1 18.1

277 23.4 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

