

Data Path : Z:\HPCHEM1\BNA G\Data\BG100717\
 Data File : BG029050.D
 Acq On : 7 Oct 2017 16:02
 Operator : SJ/JU
 Sample : SST04055
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 07 16:57:15 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 16:55:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.218	152	74568	20.00	ng/ul	0.00
2) Naphthalene-d8	11.038	136	336414	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.833	164	217702	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.565	188	511170	20.00	ng/ul	0.00
17) Chrysene-d12	21.849	240	525581	20.00	ng/ul	0.00
22) Perylene-d12	25.192	264	503182	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.528	160	905066	40.53	ng/ul	0.00
10) Fluorene-d10	15.815	176	646178	43.38	ng/ul	0.00
14) Anthracene-d10	17.665	188	982696	39.43	ng/ul	0.00
18) Pyrene-d10	19.939	212	1052622	38.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.969	264	972243	38.89	ng/ul	0.01

Target Compounds

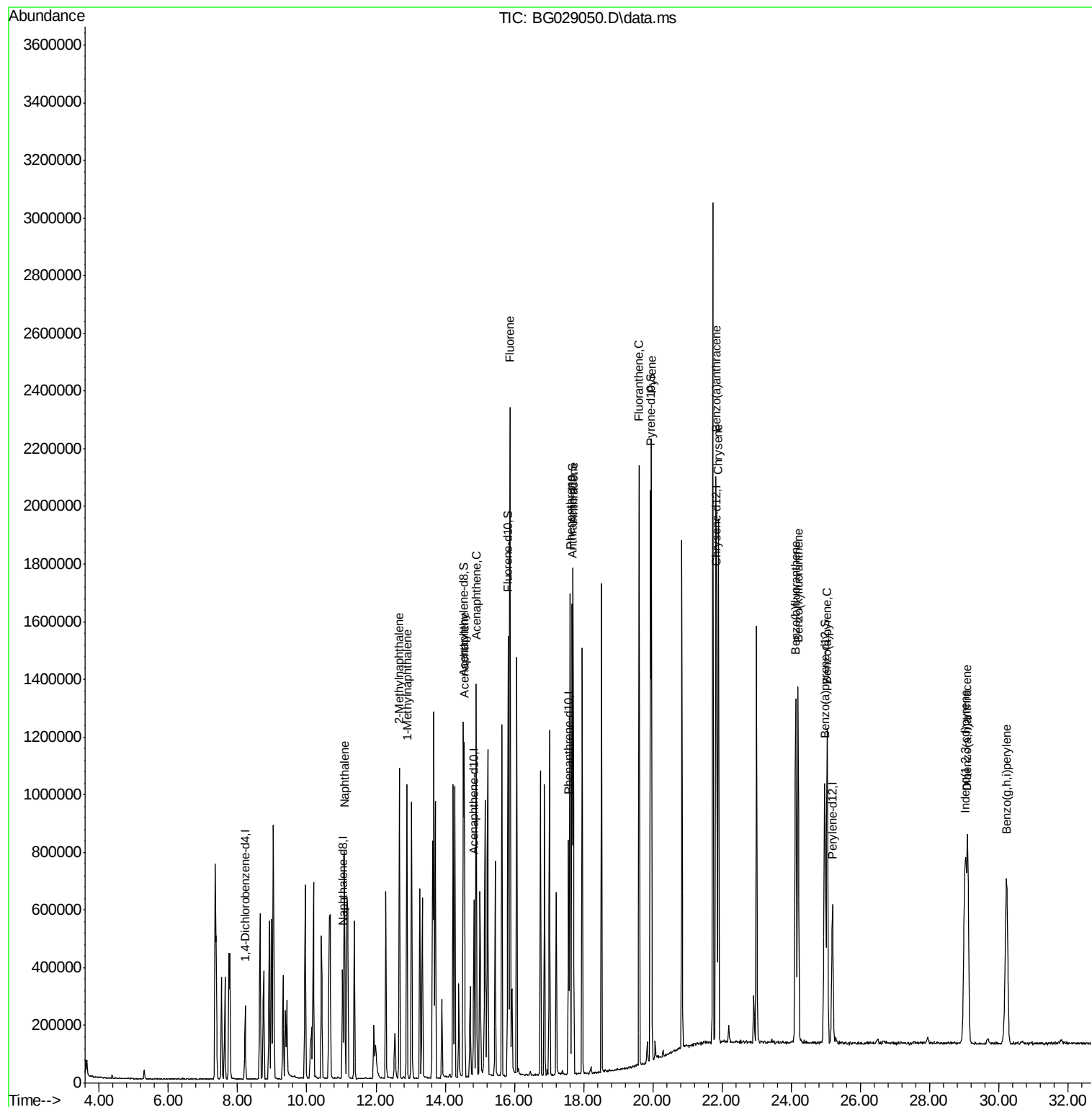
						Ovalue
3) Naphthalene	11.085	128	693249	39.72	ng/ul	99
4) 2-Methylnaphthalene	12.677	142	526984	40.75	ng/ul	99
5) 1-Methylnaphthalene	12.894	142	502122	36.07	ng/ul#	95
8) Acenaphthylene	14.557	152	851973	37.96	ng/ul	98
9) Acenaphthene	14.892	153	585235	38.09	ng/ul	97
11) Fluorene	15.873	166	671965	41.05	ng/ul	95
13) Phenanthrene	17.612	178	1067850	37.37	ng/ul	96
15) Anthracene	17.701	178	1092708	37.22	ng/ul	96
16) Fluoranthene	19.604	202	1262579	43.22	ng/ul	99
19) Pyrene	19.963	202	1267297	36.89	ng/ul	97
20) Benzo(a)anthracene	21.825	228	1240611	39.18	ng/ul	95
21) Chrysene	21.896	228	1126637	38.75	ng/ul	97
23) Benzo(b)fluoranthene	24.128	252	1221322	40.84	ng/ul	98
24) Benzo(k)fluoranthene	24.199	252	1192601	38.77	ng/ul	98
26) Benzo(a)pyrene	25.039	252	1186882	40.57	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	29.028	276	1352285	50.25	ng/ul#	95
28) Dibenzo(a,h)anthracene	29.099	278	1124434	48.42	ng/ul	98
29) Benzo(g,h,i)perylene	30.221	276	1112397	51.97	ng/ul#	95

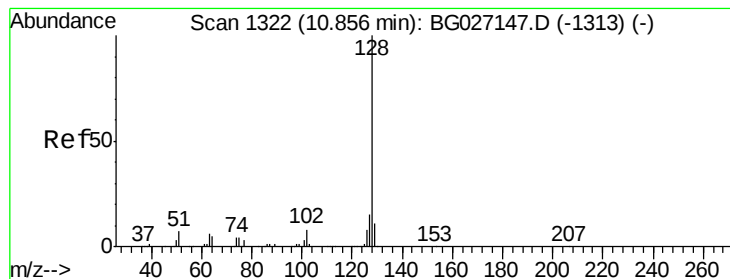
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 39.72 ng/ul

RT: 11.085 min Scan# 12

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

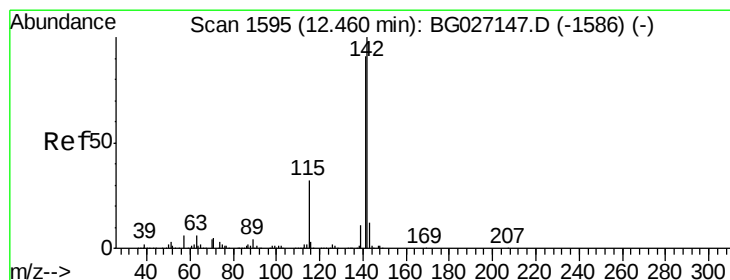
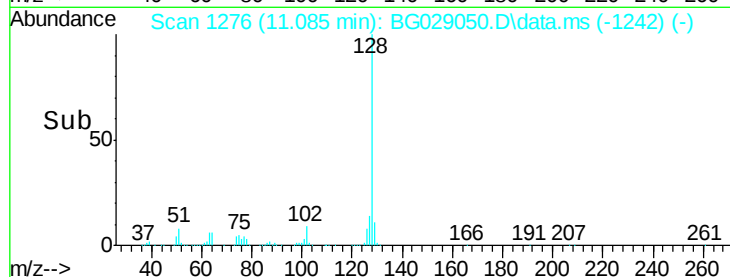
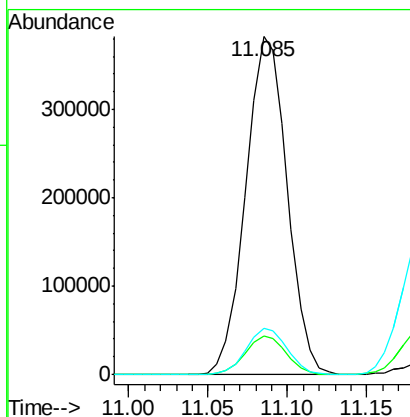
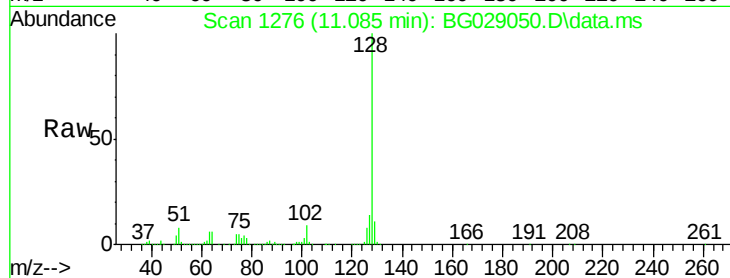
Tot Ion:128 Resp: 693249

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.5 10.6 16.0



#4

2-Methylnaphthalene

Concen: 40.75 ng/ul

RT: 12.677 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BG029050.D

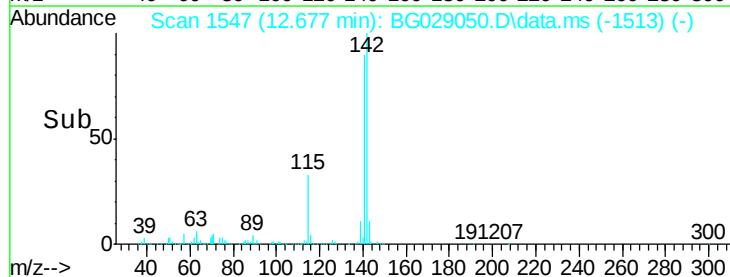
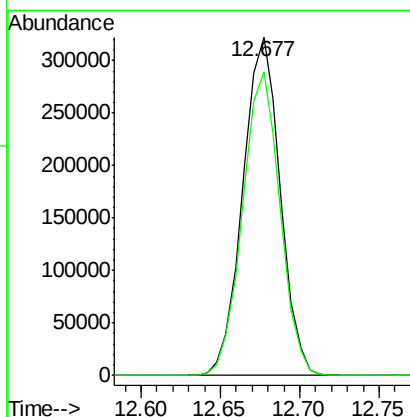
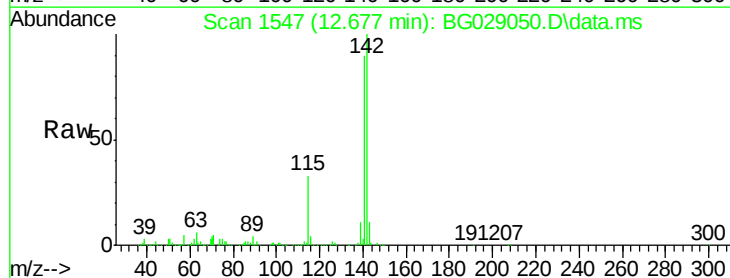
Acq: 7 Oct 2017 16:02

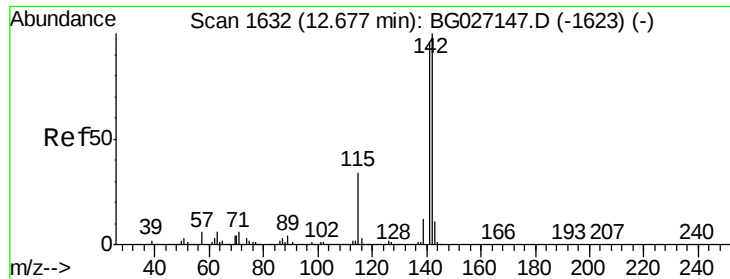
Tgt Ion:142 Resp: 526984

Ion Ratio Lower Upper

142 100

141 89.6 72.7 109.1





#5

1-Methylnaphthalene

Concen: 36.07 ng/ul

RT: 12.894 min Scan# 15

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

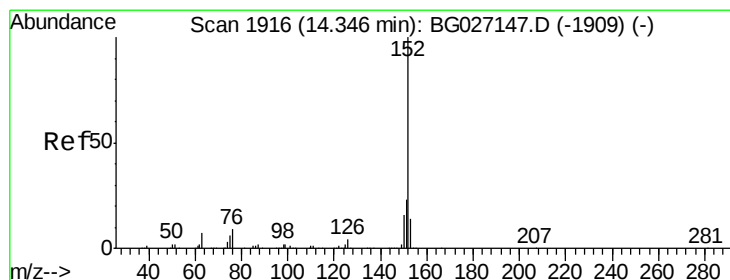
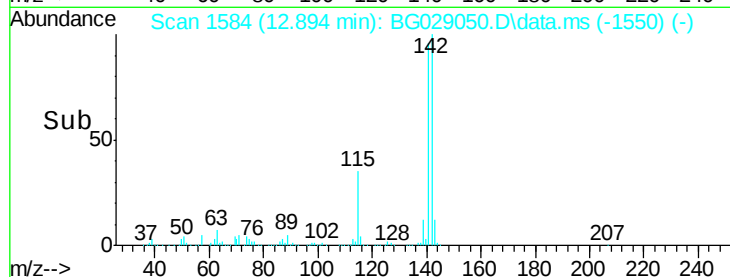
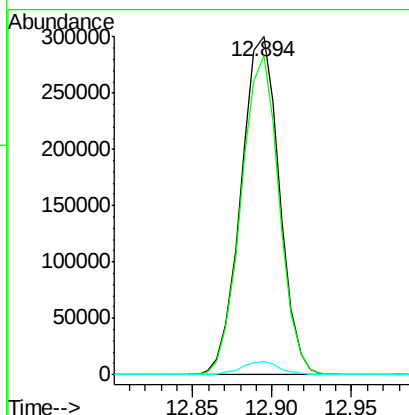
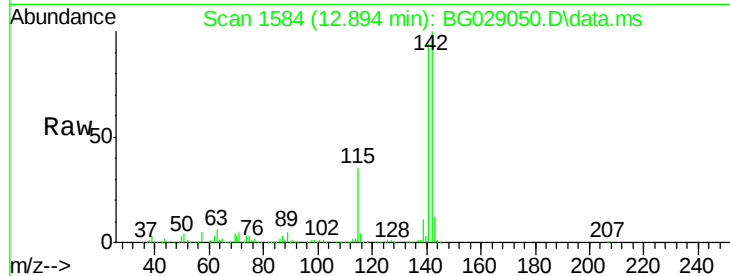
Tot Ion:142 Resp: 502122

Ion Ratio Lower Upper

142 100

141 94.2 79.3 118.9

116 3.6 4.2 6.2#



#8

Acenaphthylene

Concen: 37.96 ng/ul

RT: 14.557 min Scan# 1867

Delta R.T. 0.006 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

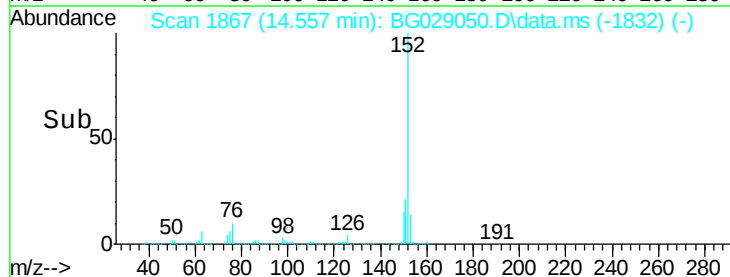
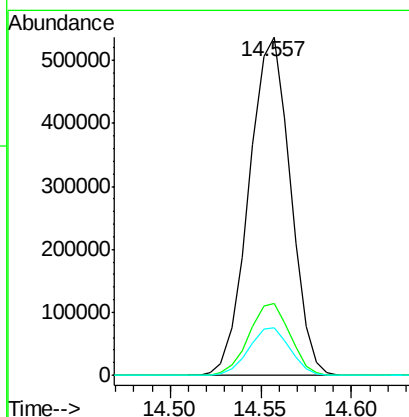
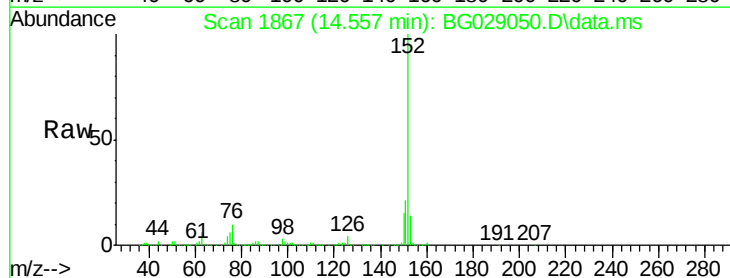
Tgt Ion:152 Resp: 851973

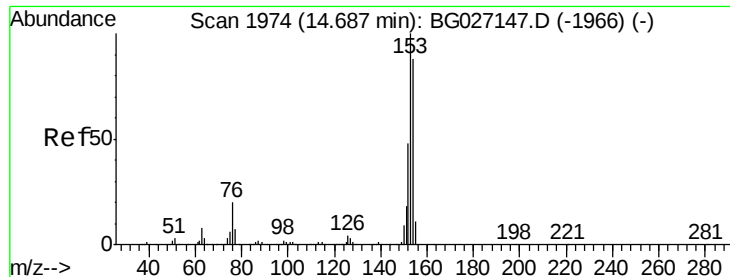
Ion Ratio Lower Upper

152 100

151 21.3 16.7 25.1

153 13.9 10.2 15.4





#9

Acenaphthene

Concen: 38.09 ng/ul

RT: 14.892 min Scan# 19

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

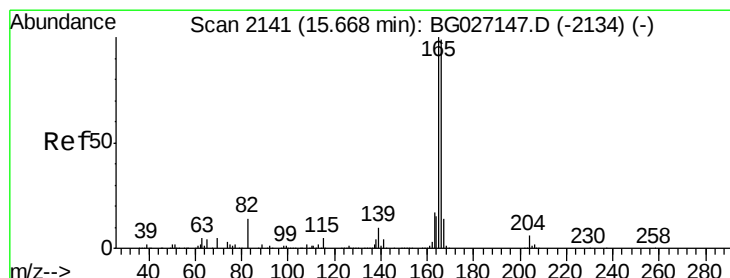
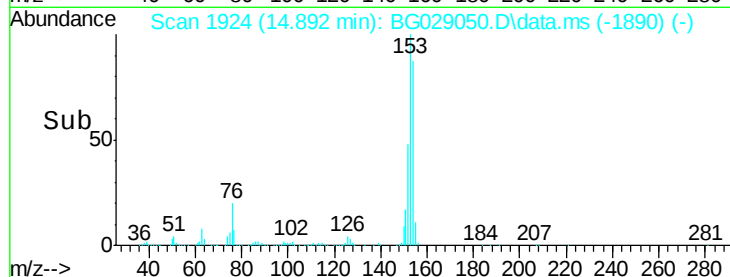
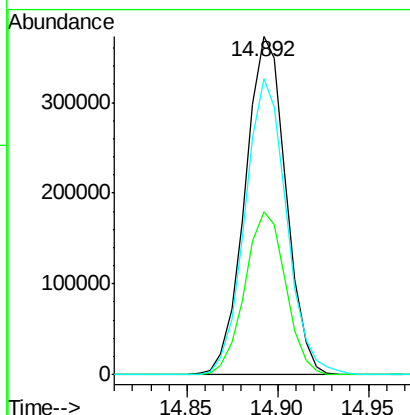
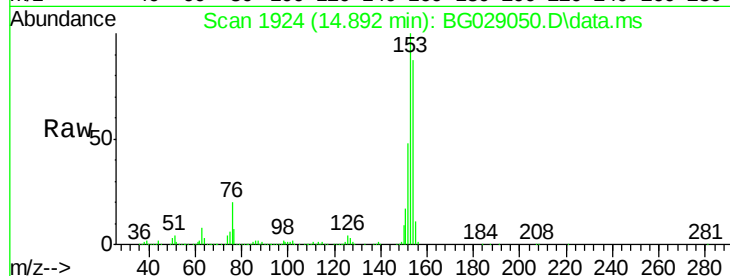
Tot Ion:153 Resp: 585235

Ion Ratio Lower Upper

153 100

152 48.2 39.0 58.6

154 87.5 66.8 100.2



#11

Fluorene

Concen: 41.05 ng/ul

RT: 15.873 min Scan# 2091

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

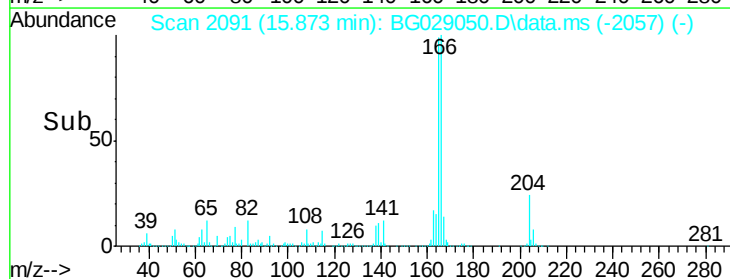
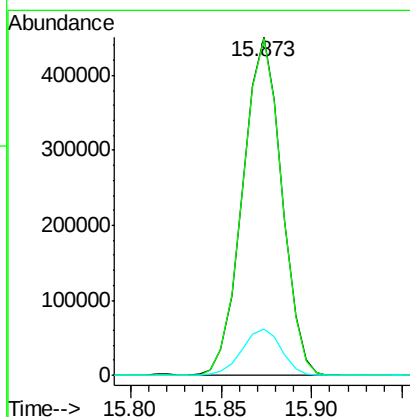
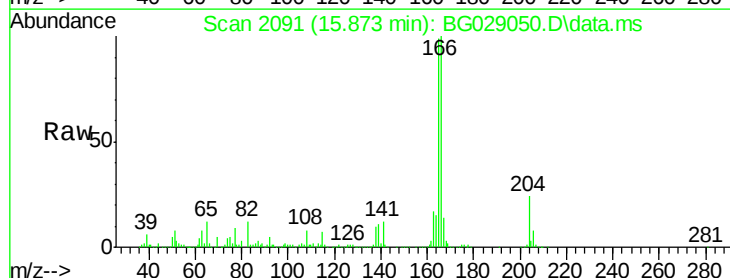
Tgt Ion:166 Resp: 671965

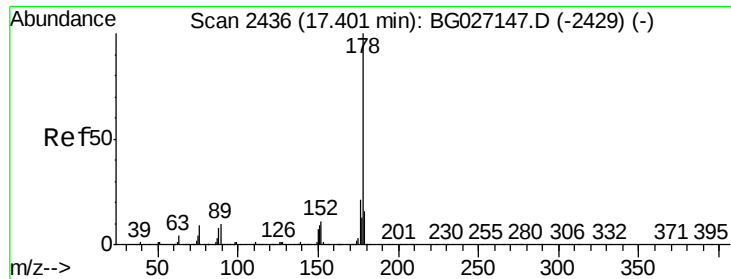
Ion Ratio Lower Upper

166 100

165 99.4 83.8 125.8

167 13.5 11.5 17.3





#13

Phenanthrene

Concen: 37.37 ng/ul

RT: 17.612 min Scan# 23

Delta R.T. 0.006 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

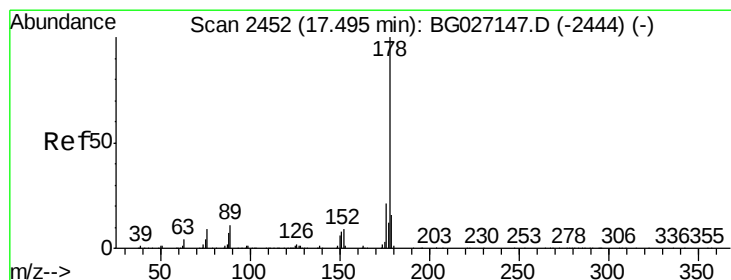
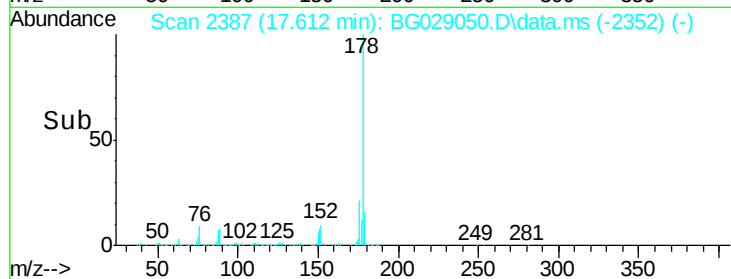
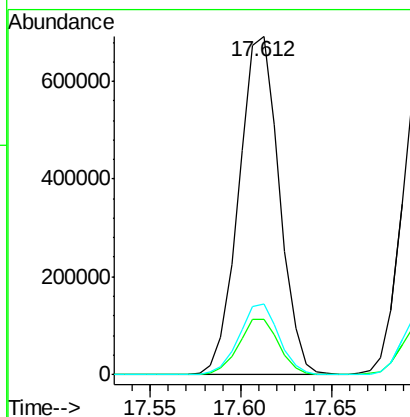
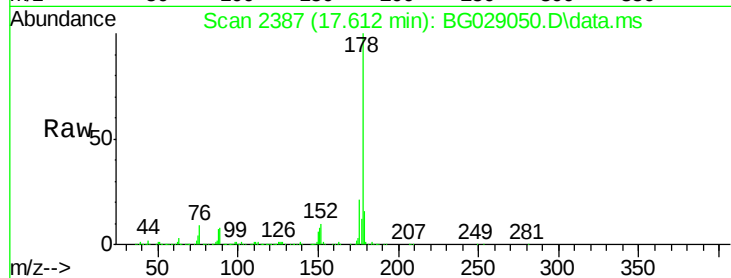
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 1067850

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	21.0	15.1	22.7



#15

Anthracene

Concen: 37.22 ng/ul

RT: 17.701 min Scan# 2402

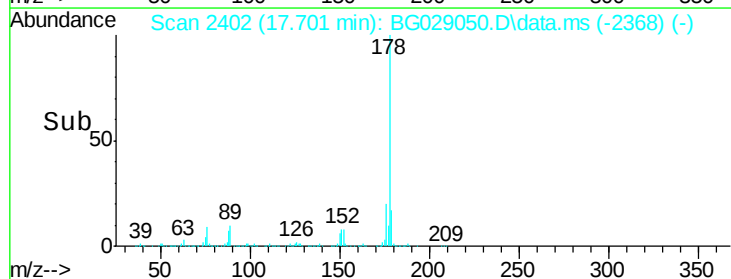
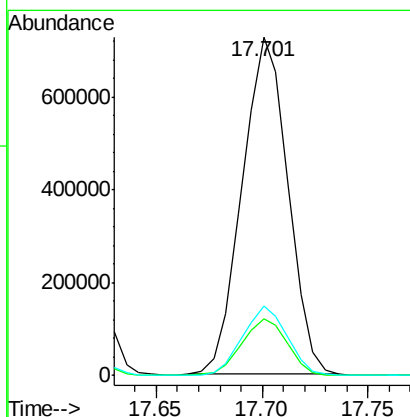
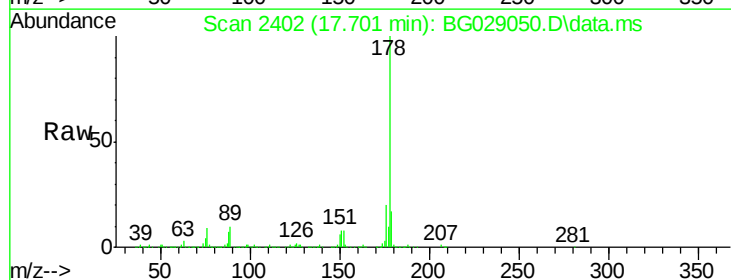
Delta R.T. 0.000 min

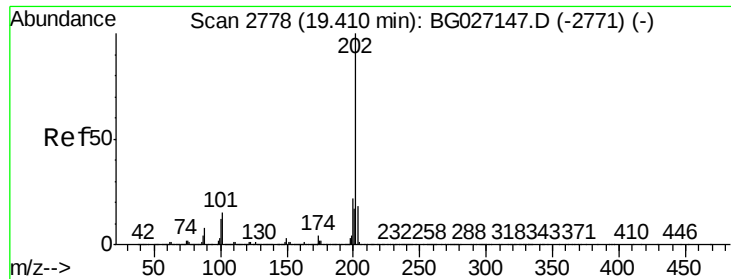
Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Tgt Ion:178 Resp: 1092708

Ion	Ratio	Lower	Upper
178	100		
179	16.9	11.8	17.8
176	20.4	15.2	22.8

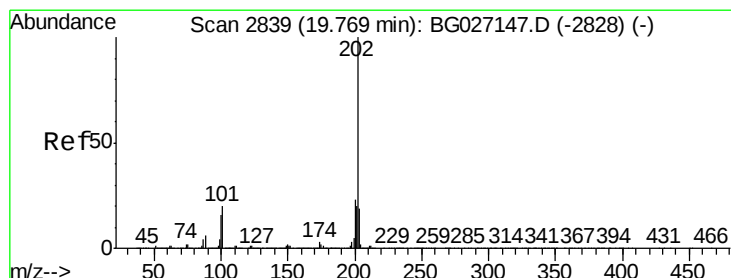
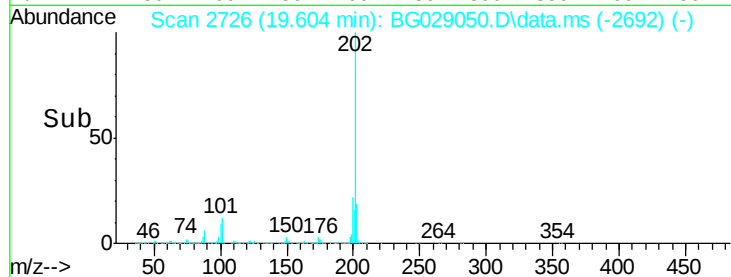
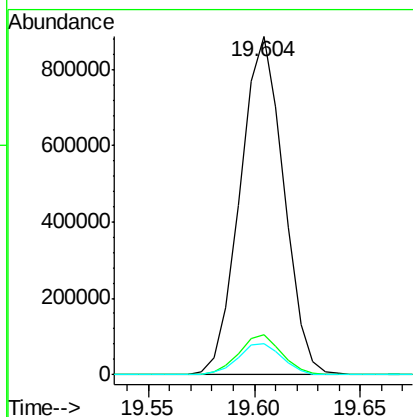
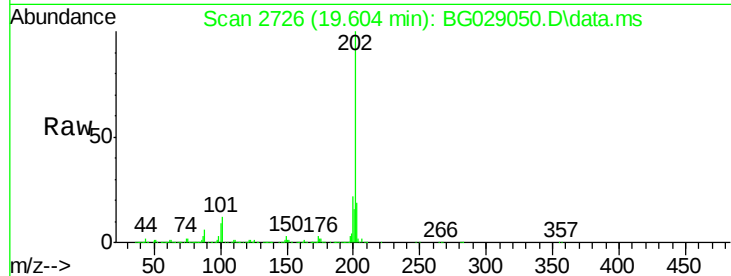




#16
 Fluoranthene
 Concen: 43.22 ng/ul
 RT: 19.604 min Scan# 2778
 Delta R.T. 0.000 min
 Lab File: BG029050.D
 Acq: 7 Oct 2017 16:02

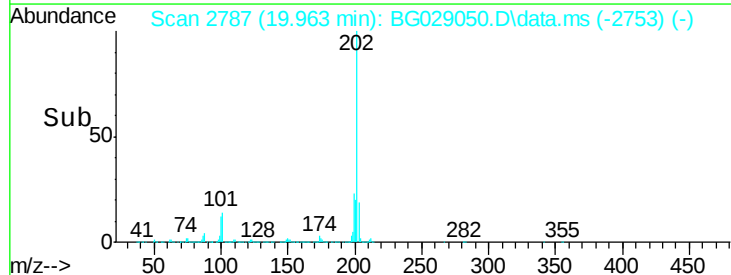
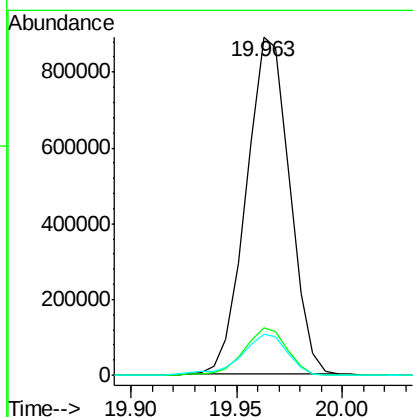
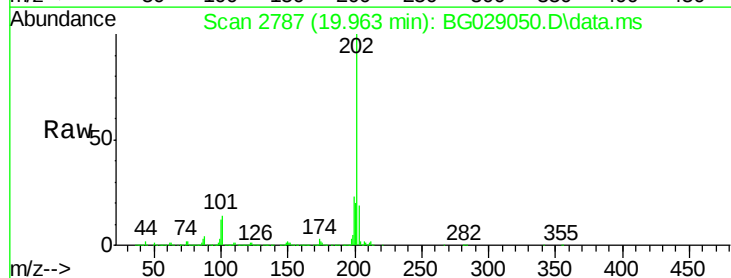
Instrument :
 BNA_G
 ClientSampleId :

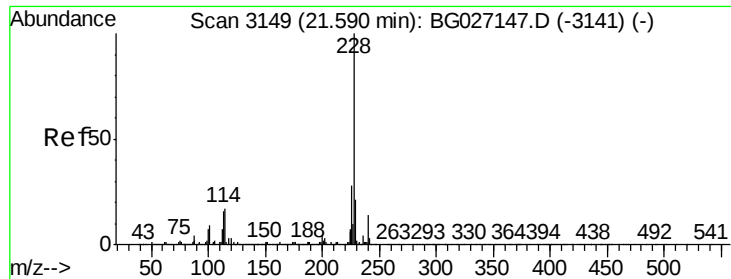
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.9	14.9
100	9.2	7.4	11.0



#19
 Pyrene
 Concen: 36.89 ng/ul
 RT: 19.963 min Scan# 2787
 Delta R.T. 0.000 min
 Lab File: BG029050.D
 Acq: 7 Oct 2017 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.4
100	12.1	8.1	12.1





#20

Benzo(a)anthracene

Concen: 39.18 ng/ul

RT: 21.825 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

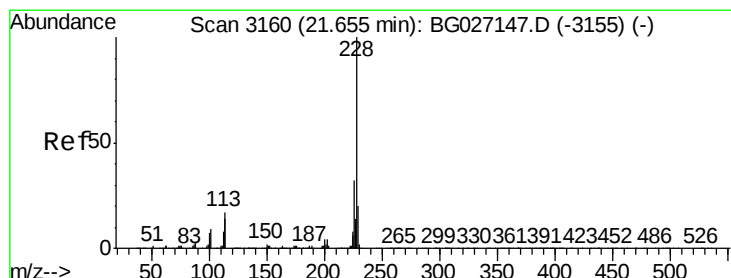
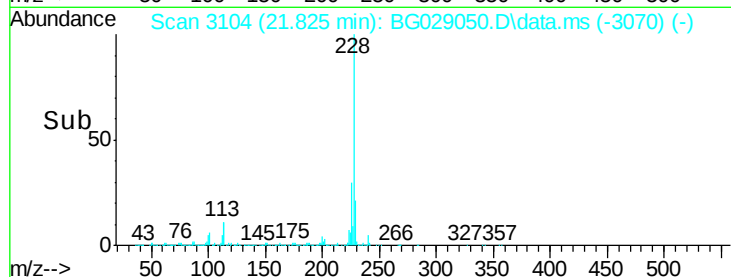
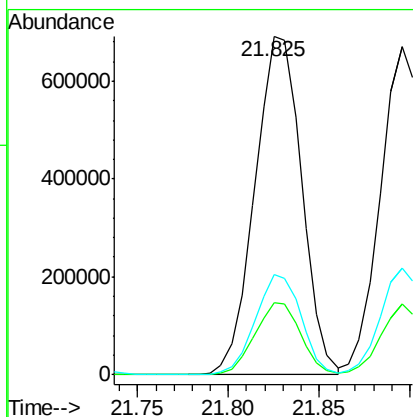
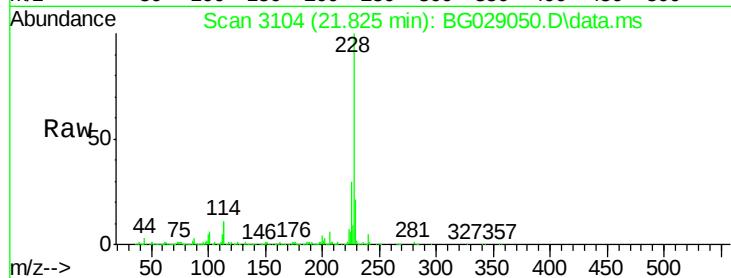
Tot Ion:228 Resp: 1240611

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

226 29.6 21.1 31.7



#21

Chrysene

Concen: 38.75 ng/ul

RT: 21.896 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

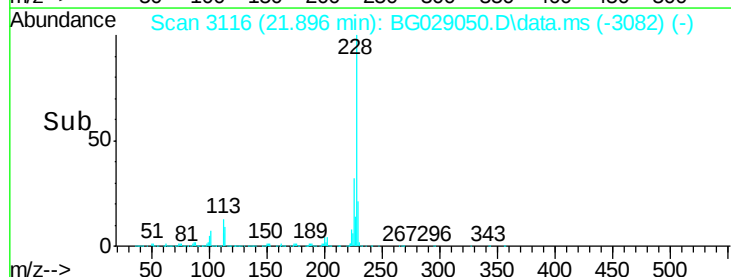
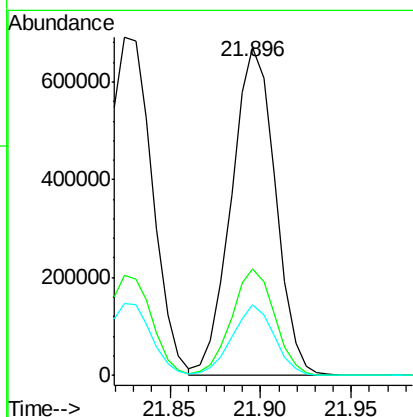
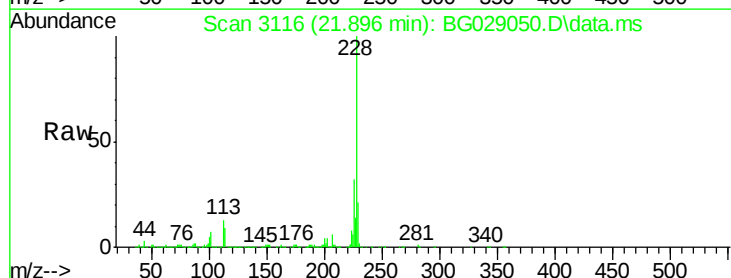
Tgt Ion:228 Resp: 1126637

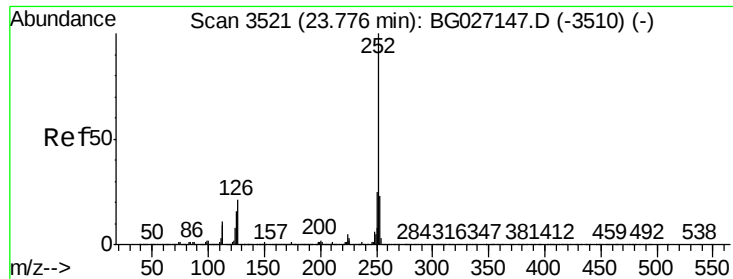
Ion Ratio Lower Upper

228 100

226 32.3 24.5 36.7

229 21.5 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 40.84 ng/ul

RT: 24.128 min Scan# 34

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

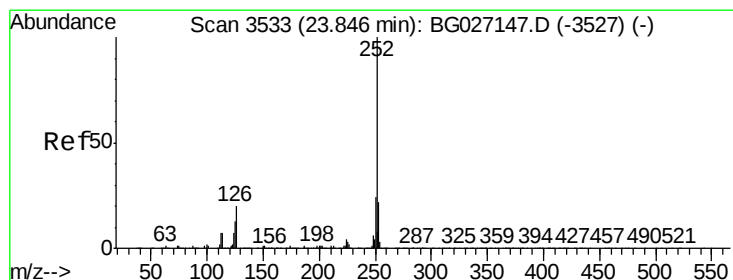
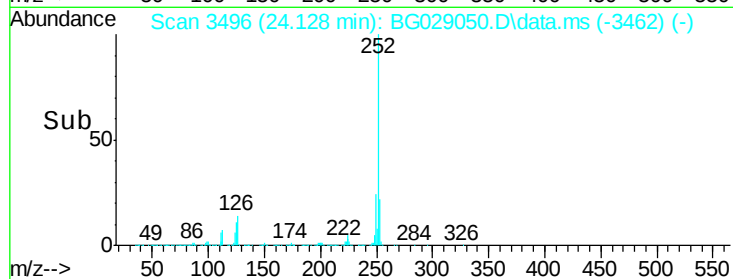
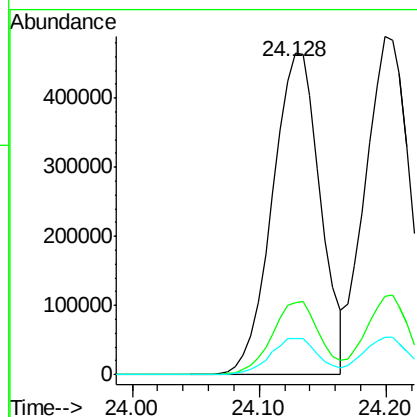
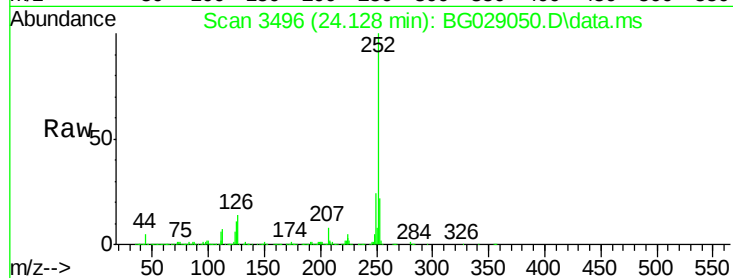
Tot Ion:252 Resp: 1221322

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 11.4 8.0 12.0



#24

Benzo(k)fluoranthene

Concen: 38.77 ng/ul

RT: 24.199 min Scan# 3508

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

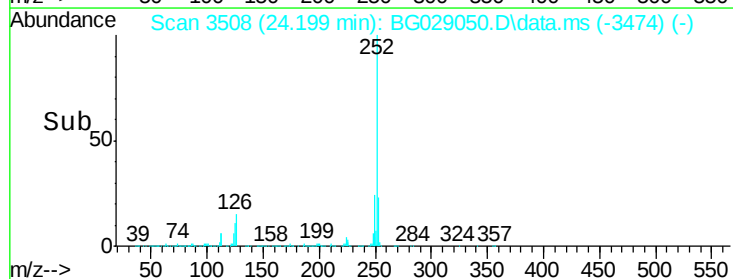
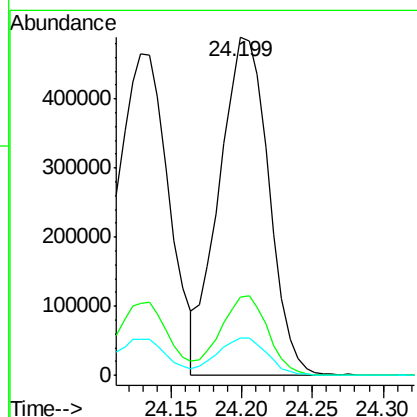
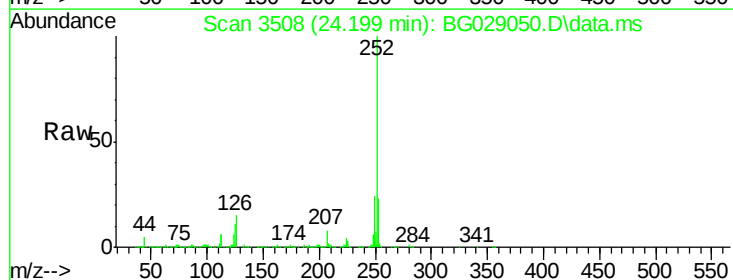
Tgt Ion:252 Resp: 1192601

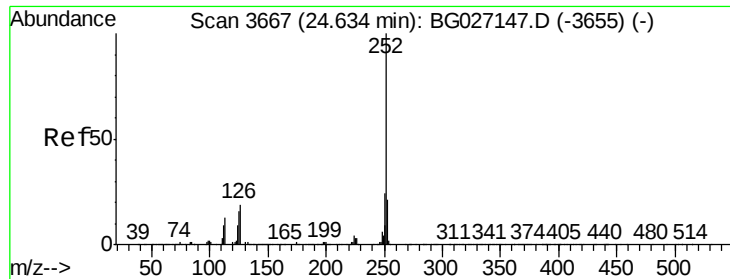
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 11.2 8.1 12.1





#26

Benzo(a)pyrene

Concen: 40.57 ng/ul

RT: 25.039 min Scan# 36

Delta R.T. 0.000 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

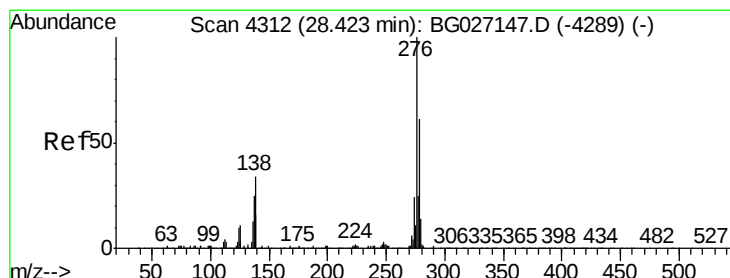
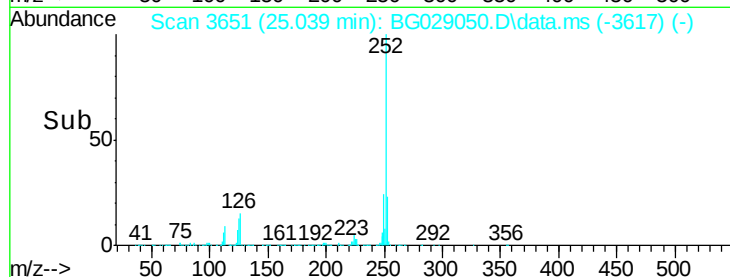
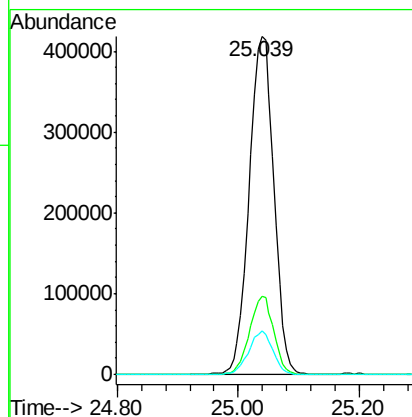
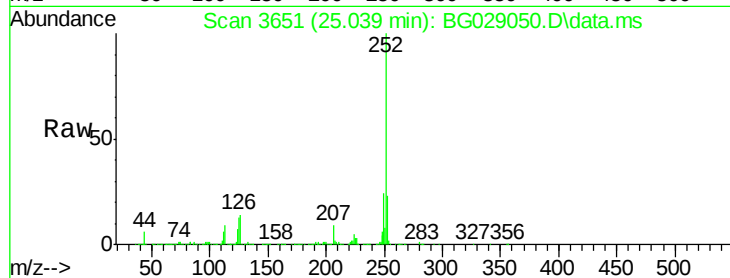
Tot Ion:252 Resp: 1186882

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 12.8 8.2 12.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 50.25 ng/ul

RT: 29.028 min Scan# 4330

Delta R.T. 0.006 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

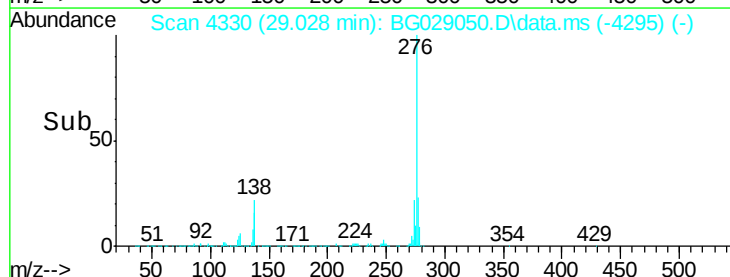
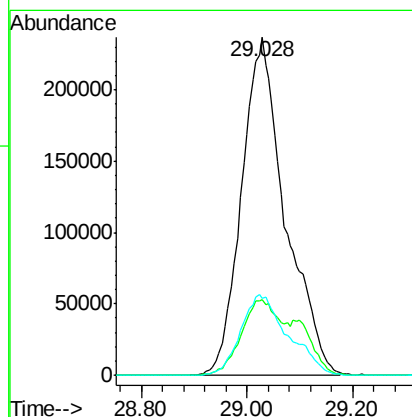
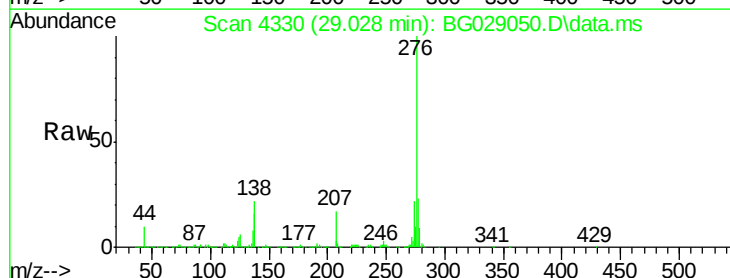
Tgt Ion:276 Resp: 1352285

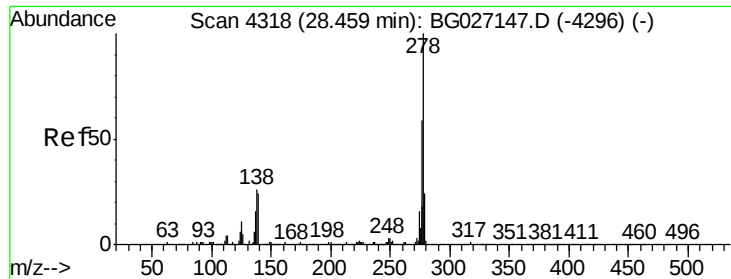
Ion Ratio Lower Upper

276 100

138 22.4 14.4 21.6#

277 22.7 18.0 27.0





#28

Dibenzo(a,h)anthracene

Concen: 48.42 ng/ul

RT: 29.099 min Scan# 4318

Delta R.T. 0.006 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Instrument :

BNA_G

ClientSampleId :

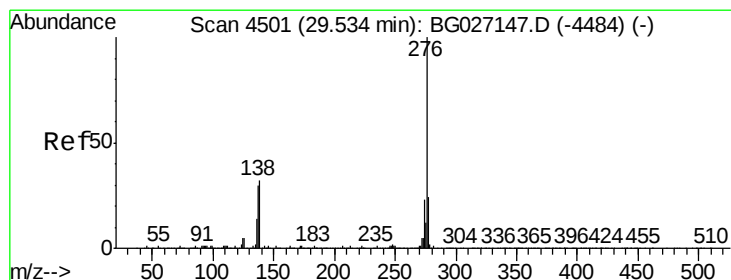
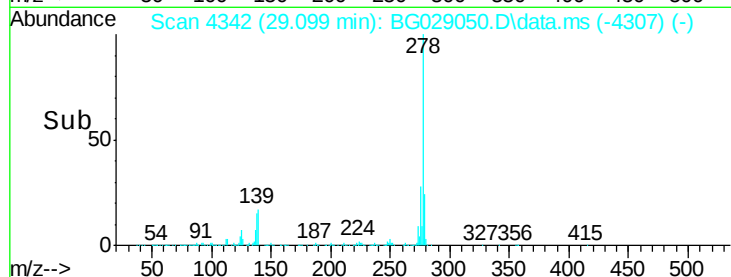
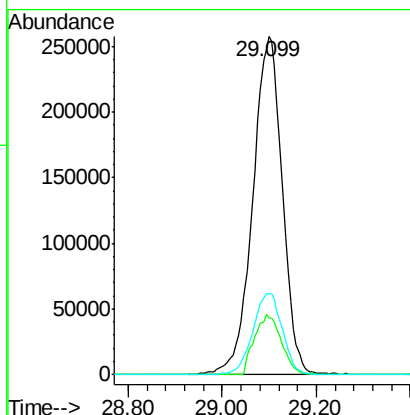
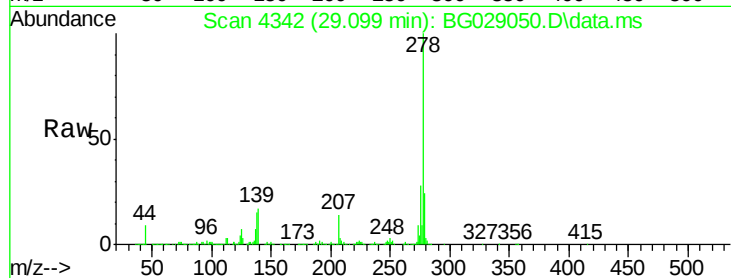
Tot Ion:278 Resp: 1124434

Ion Ratio Lower Upper

278 100

139 16.9 12.2 18.4

279 23.9 19.2 28.8



#29

Benzo(g,h,i)perylene

Concen: 51.97 ng/ul

RT: 30.221 min Scan# 4533

Delta R.T. 0.012 min

Lab File: BG029050.D

Acq: 7 Oct 2017 16:02

Tgt Ion:276 Resp: 1112397

Ion Ratio Lower Upper

276 100

138 23.0 15.3 22.9#

277 24.6 19.0 28.4

