

Data Path : Z:\HPCHEM1\BNA G\Data\BG100717\
 Data File : BG029051.D
 Acq On : 7 Oct 2017 16:42
 Operator : SJ/JU
 Sample : SST008056
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 07 17:31:11 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	8.220	152	80211	20.00	ng/ul	0.00
2) Naphthalene-d8	11.040	136	365469	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.829	164	235658	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.567	188	535386	20.00	ng/ul	0.00
17) Chrysene-d12	21.851	240	530298	20.00	ng/ul	0.00
22) Perylene-d12	25.200	264	506199	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.530	160	1860923	76.99	ng/ul	0.00
10) Fluorene-d10	15.822	176	1338825	83.02	ng/ul	0.00
14) Anthracene-d10	17.673	188	1923614	73.69	ng/ul	0.00
18) Pyrene-d10	19.941	212	2025031	73.14	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.976	264	1980215	78.73	ng/ul	0.02

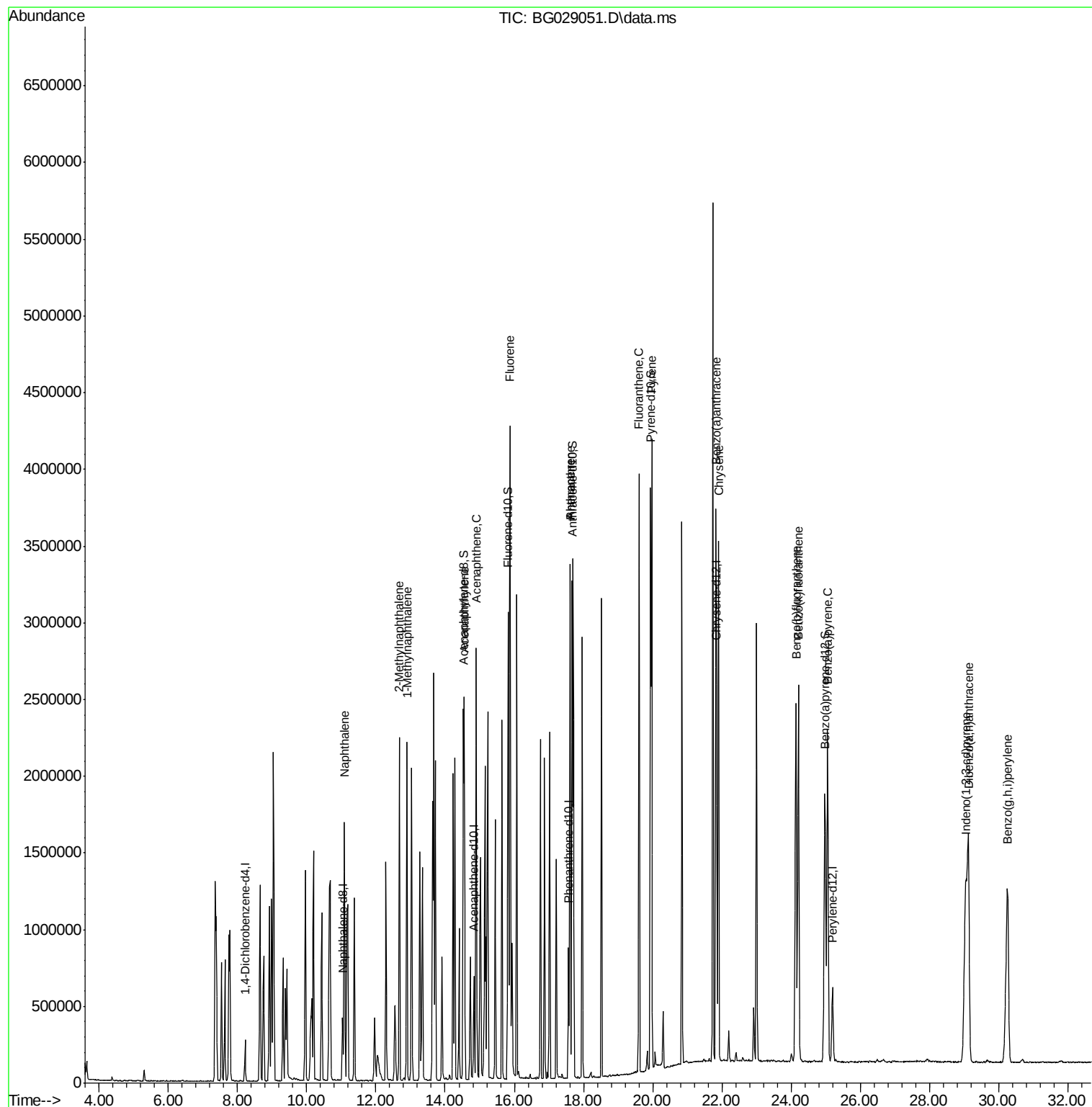
Target Compounds				Ovalue		
3) Naphthalene	11.087	128	1476910	77.89	ng/ul	97
4) 2-Methylnaphthalene	12.679	142	1110605	79.05	ng/ul	100
5) 1-Methylnaphthalene	12.896	142	1071085	70.82	ng/ul#	95
8) Acenaphthylene	14.559	152	1753503	72.18	ng/ul	94
9) Acenaphthene	14.894	153	1230503	73.99	ng/ul	96
11) Fluorene	15.875	166	1349355	76.15	ng/ul	97
13) Phenanthrene	17.614	178	2079441	69.48	ng/ul	94
15) Anthracene	17.614	178	2079441	67.62	ng/ul	93
16) Fluoranthene	19.606	202	2378875	77.75	ng/ul#	96
19) Pyrene	19.971	202	2355124	67.95	ng/ul#	94
20) Benzo(a)anthracene	21.833	228	2365527	74.03	ng/ul#	91
21) Chrysene	21.904	228	2150663	73.32	ng/ul	93
23) Benzo(b)fluoranthene	24.142	252	2417818	80.37	ng/ul	96
24) Benzo(k)fluoranthene	24.213	252	2323734	75.09	ng/ul	96
26) Benzo(a)pyrene	25.053	252	2364458	80.33	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	29.048	276	2765739	102.16	ng/ul#	93
28) Dibenzo(a,h)anthracene	29.124	278	2267167	97.04	ng/ul	96
29) Benzo(g,h,i)perylene	30.253	276	2281880	105.98	ng/ul#	94

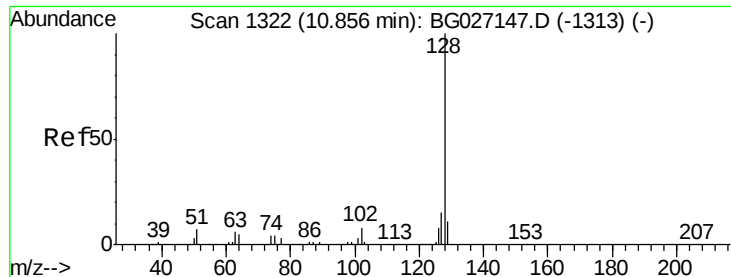
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\Data\BG100717\
Data File : BG029051.D
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 07 17:31:11 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





#3

Naphthalene

Concen: 77.89 ng/ul

RT: 11.087 min Scan# 12

Delta R.T. 0.002 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

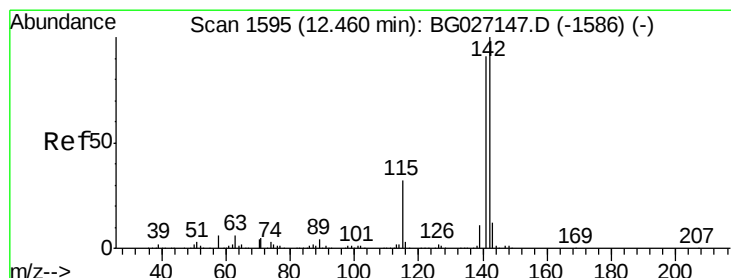
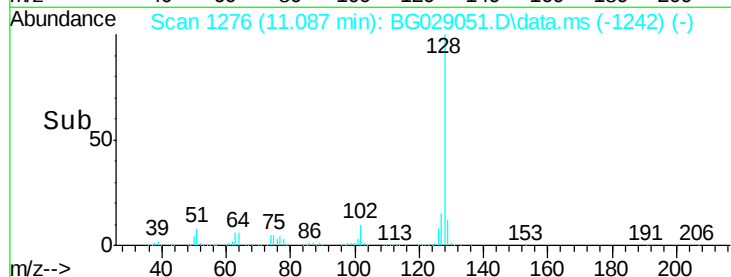
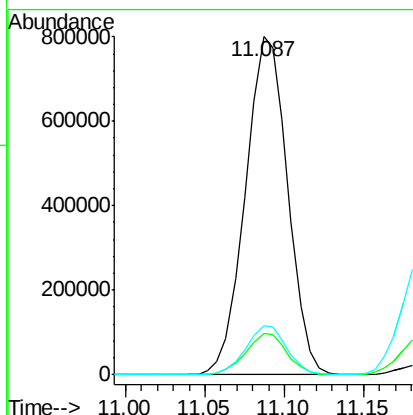
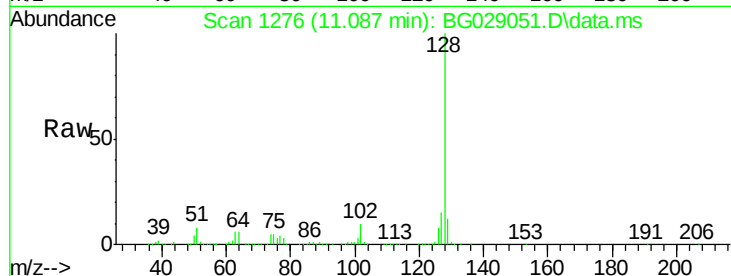
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 1476910

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.7	13.1
127	14.6	10.6	16.0



#4

2-Methylnaphthalene

Concen: 79.05 ng/ul

RT: 12.679 min Scan# 1547

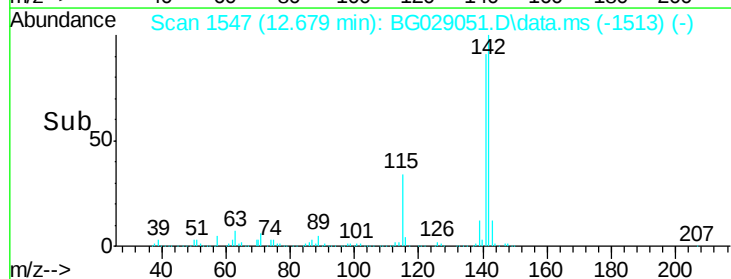
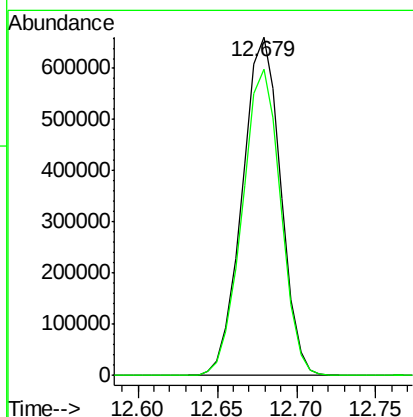
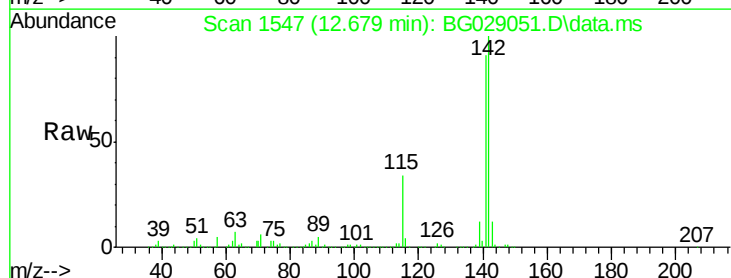
Delta R.T. 0.002 min

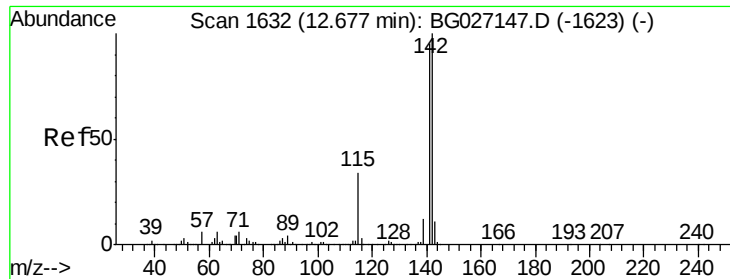
Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Tgt Ion:142 Resp: 1110605

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.7	109.1





#5

1-Methylnaphthalene

Concen: 70.82 ng/ul

RT: 12.896 min Scan# 15

Delta R.T. 0.002 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

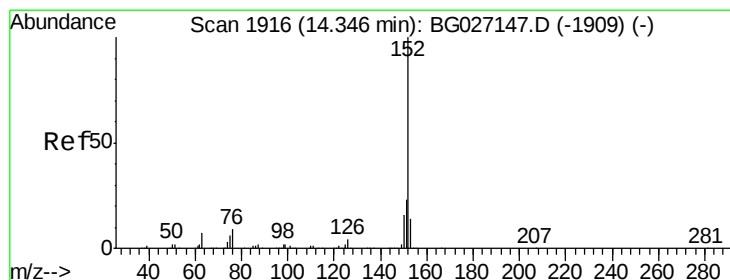
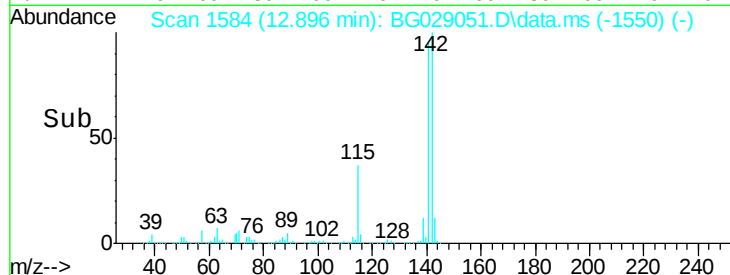
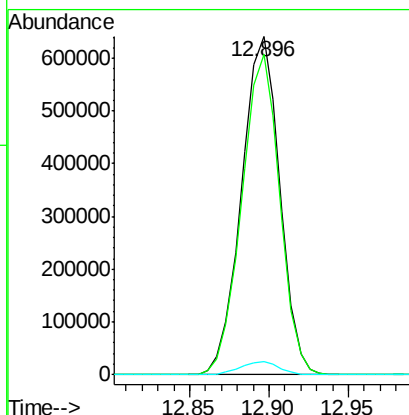
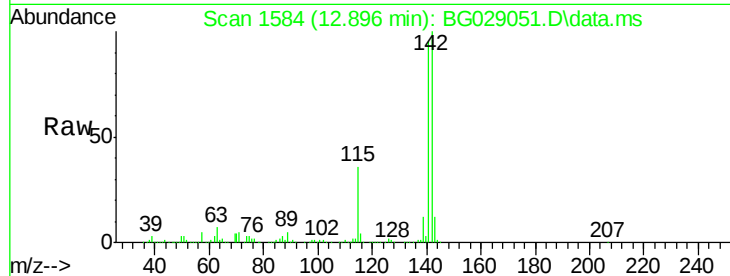
Tot Ion:142 Resp: 1071085

Ion Ratio Lower Upper

142 100

141 94.6 79.3 118.9

116 3.8 4.2 6.2#



#8

Acenaphthylene

Concen: 72.18 ng/ul

RT: 14.559 min Scan# 1867

Delta R.T. 0.008 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

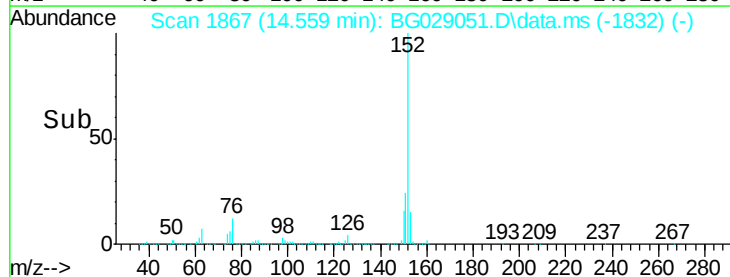
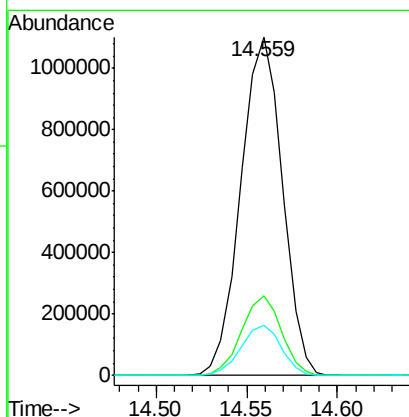
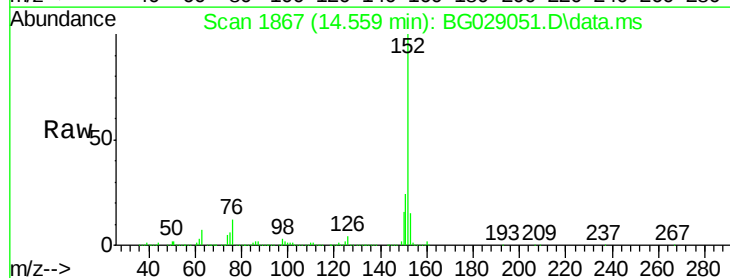
Tgt Ion:152 Resp: 1753503

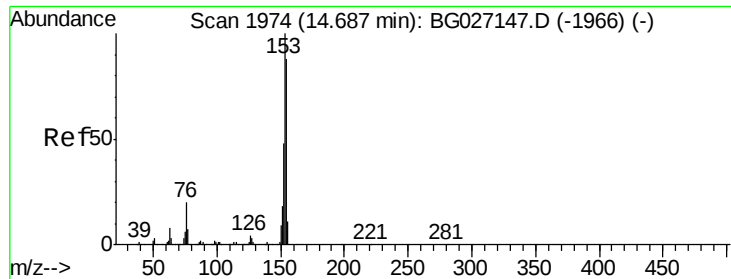
Ion Ratio Lower Upper

152 100

151 23.6 16.7 25.1

153 14.8 10.2 15.4





#9

Acenaphthene

Concen: 73.99 ng/ul

RT: 14.894 min Scan# 19

Delta R.T. 0.002 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

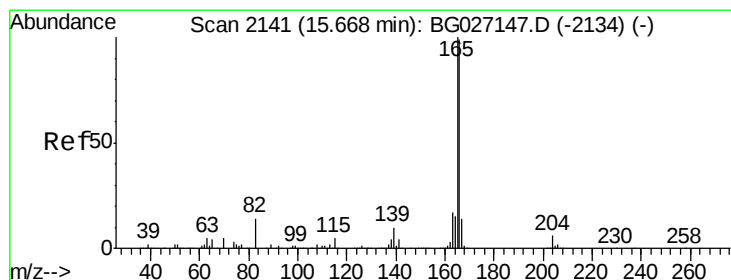
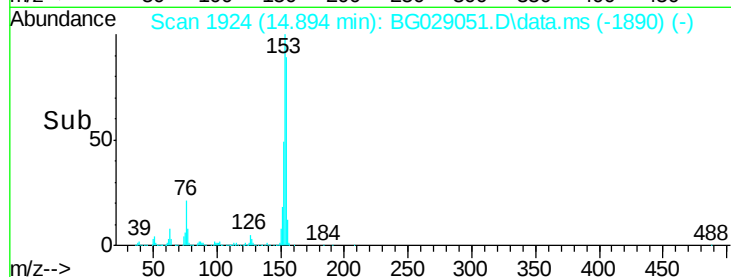
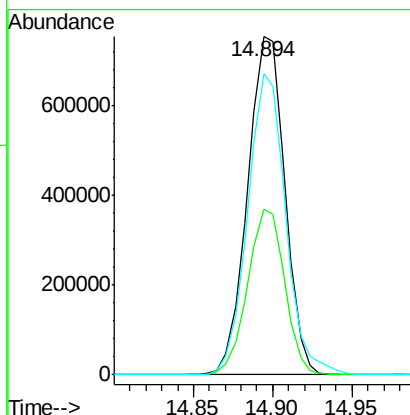
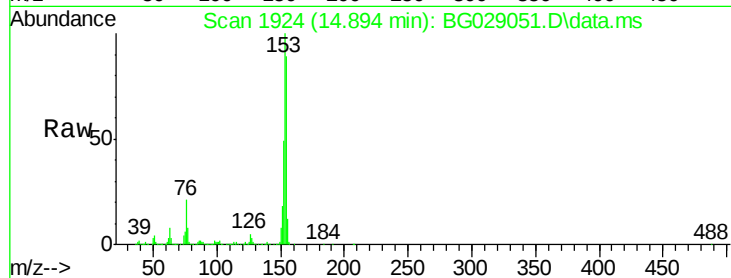
Tot Ion:153 Resp: 1230503

Ion Ratio Lower Upper

153 100

152 49.1 39.0 58.6

154 89.2 66.8 100.2



#11

Fluorene

Concen: 76.15 ng/ul

RT: 15.875 min Scan# 2091

Delta R.T. 0.002 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

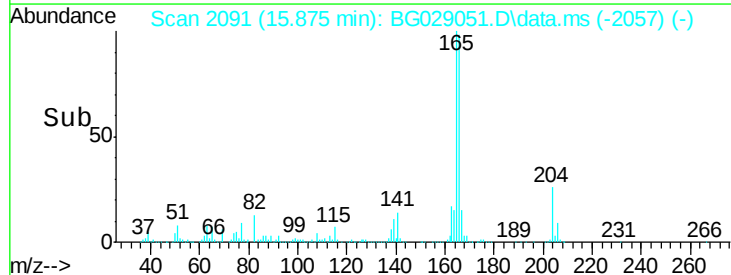
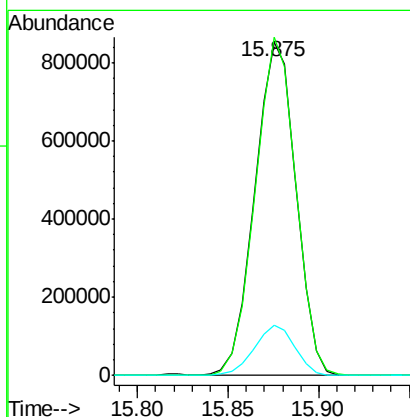
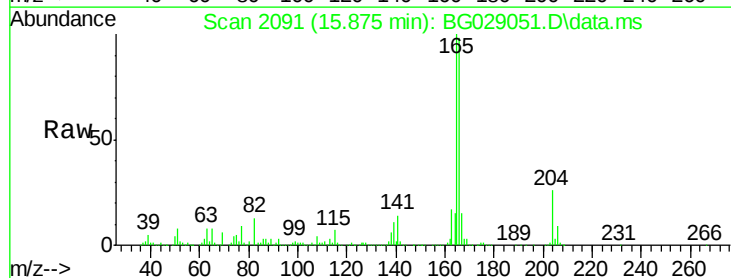
Tgt Ion:166 Resp: 1349355

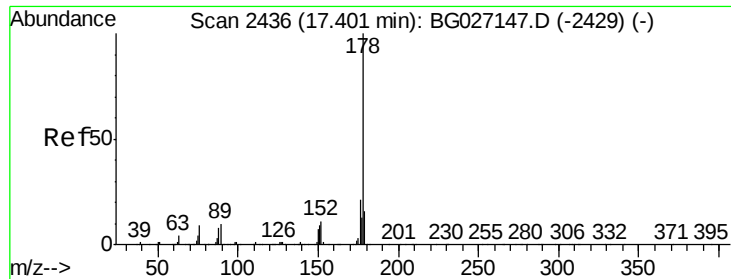
Ion Ratio Lower Upper

166 100

165 101.5 83.8 125.8

167 15.2 11.5 17.3





#13

Phenanthrene

Concen: 69.48 ng/ul

RT: 17.614 min Scan# 2387

Delta R.T. 0.008 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

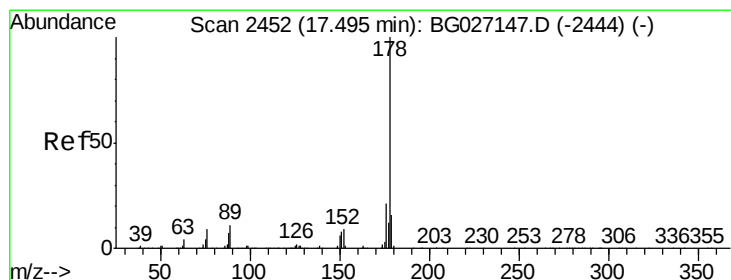
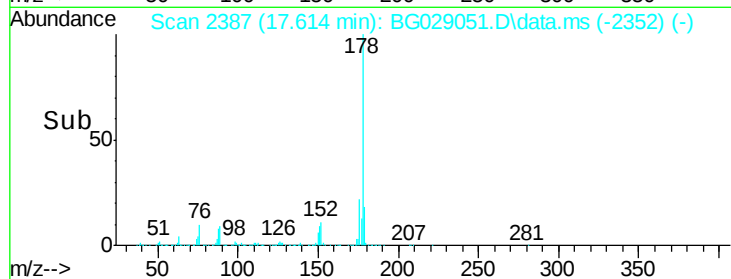
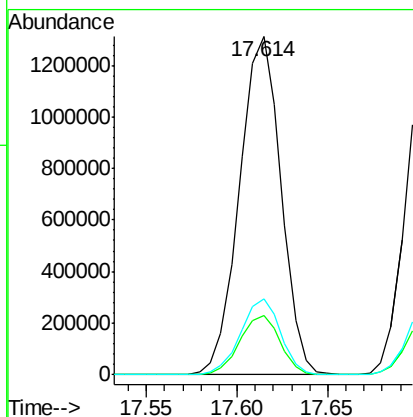
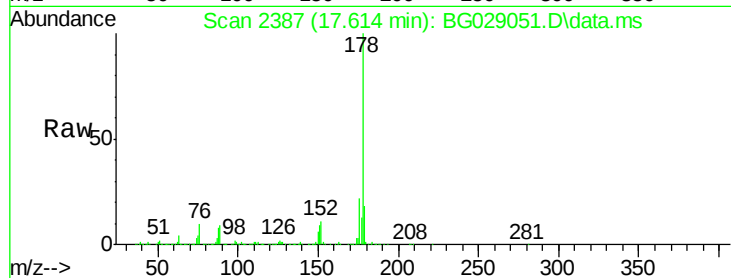
Tot Ion:178 Resp: 2079441

Ion Ratio Lower Upper

178 100

179 17.6 12.3 18.5

176 22.2 15.1 22.7



#15

Anthracene

Concen: 67.62 ng/ul

RT: 17.614 min Scan# 2387

Delta R.T. -0.086 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

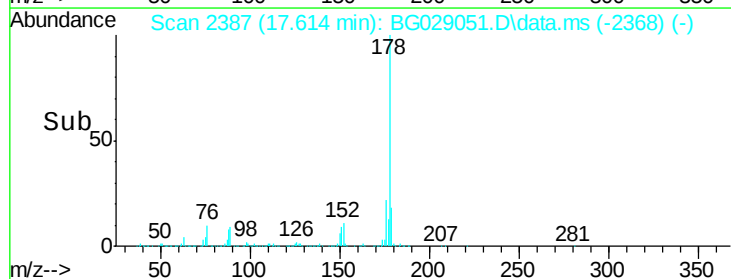
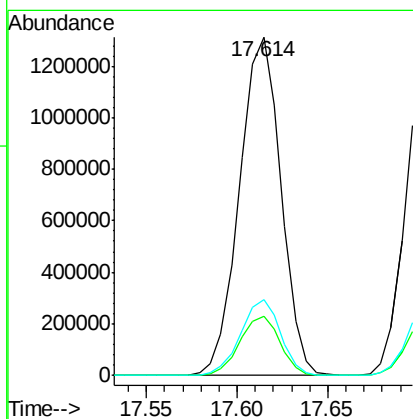
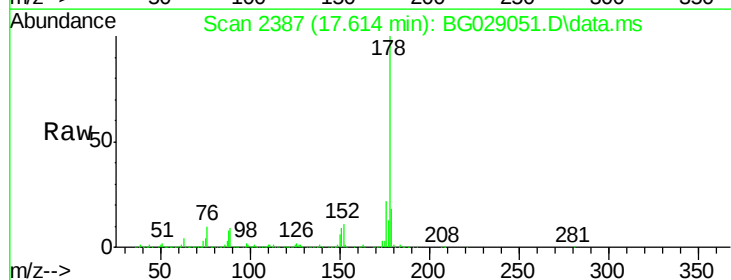
Tgt Ion:178 Resp: 2079441

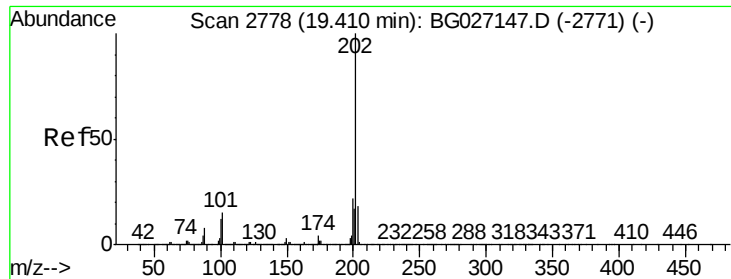
Ion Ratio Lower Upper

178 100

179 17.6 11.8 17.8

176 22.2 15.2 22.8

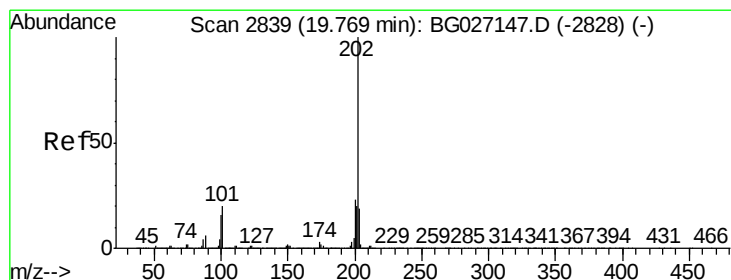
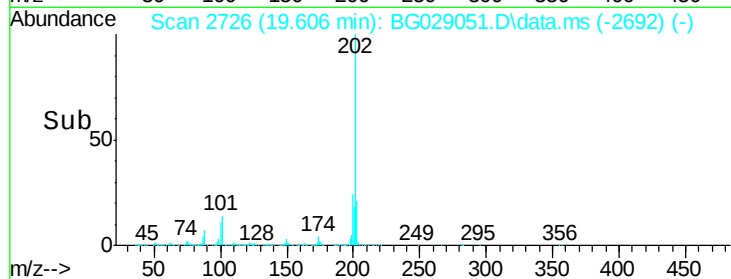
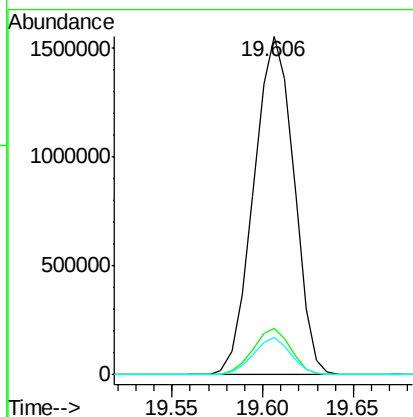
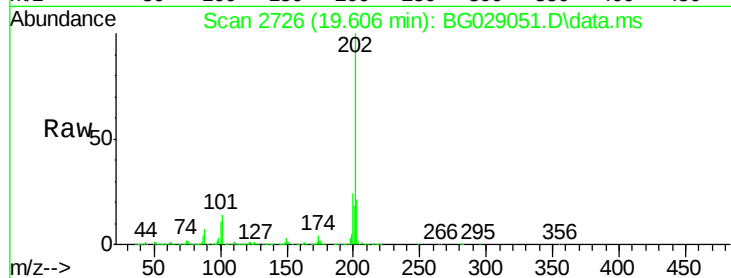




#16
Fluoranthene
Concen: 77.75 ng/ul
RT: 19.606 min Scan# 2778
Delta R.T. 0.002 min
Lab File: BG029051.D
Acq: 7 Oct 2017 16:42

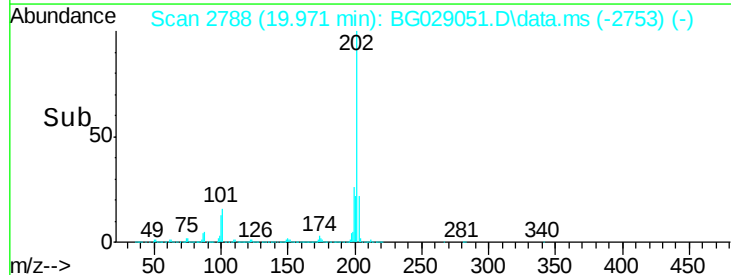
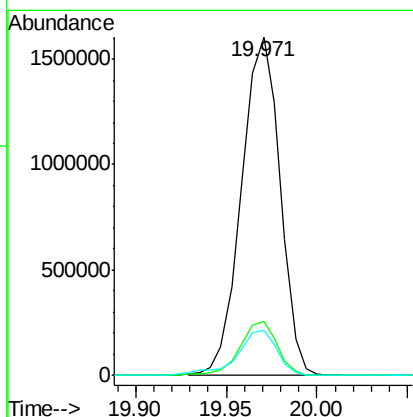
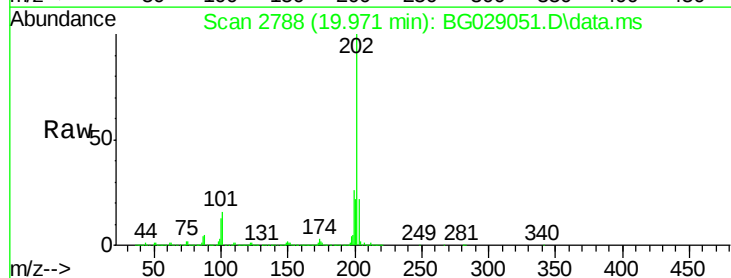
Instrument :
BNA_G
ClientSampled :

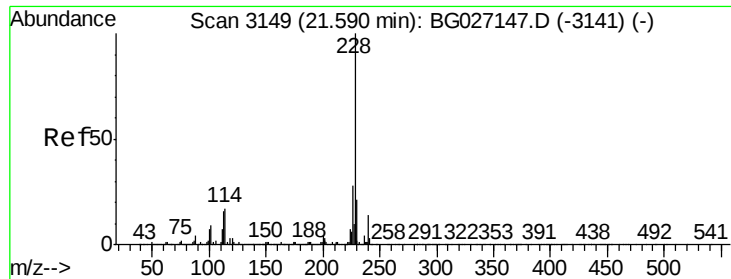
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	9.9	14.9
100	11.2	7.4	11.0



#19
Pyrene
Concen: 67.95 ng/ul
RT: 19.971 min Scan# 2788
Delta R.T. 0.008 min
Lab File: BG029051.D
Acq: 7 Oct 2017 16:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	11.0	16.4
100	13.1	8.1	12.1





#20

Benzo(a)anthracene

Concen: 74.03 ng/ul

RT: 21.833 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

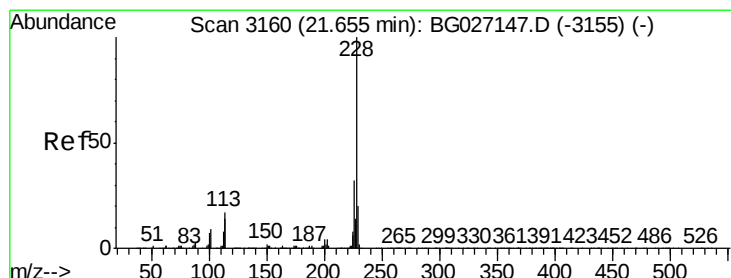
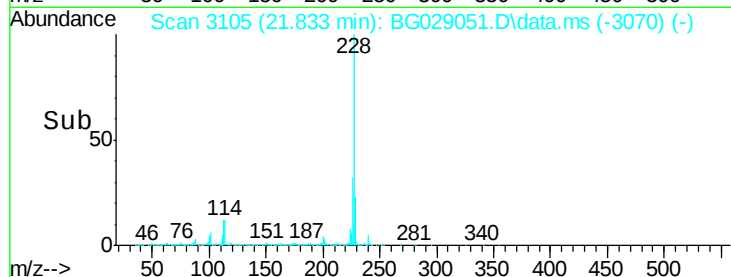
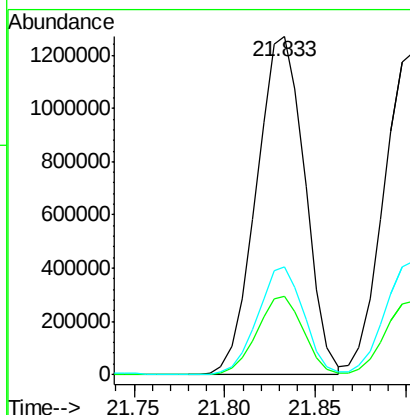
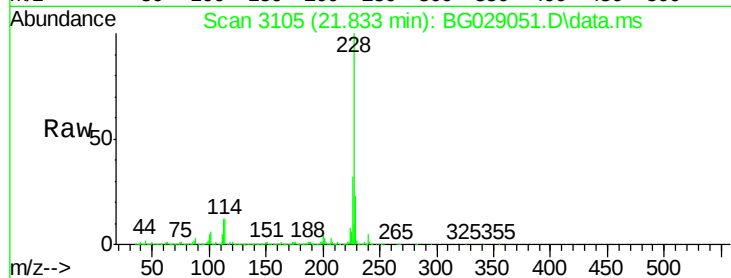
Tot Ion:228 Resp: 2365527

Ion Ratio Lower Upper

228 100

229 23.3 15.7 23.5

226 31.7 21.1 31.7#



#21

Chrysene

Concen: 73.32 ng/ul

RT: 21.904 min Scan# 3117

Delta R.T. 0.008 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

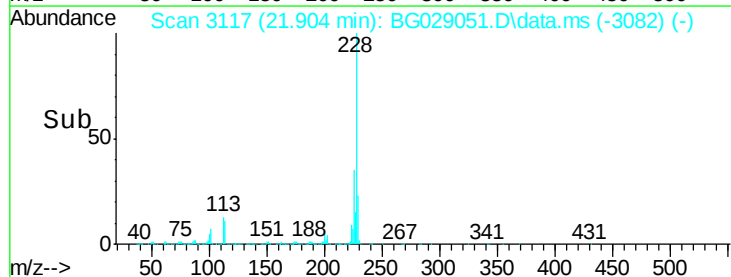
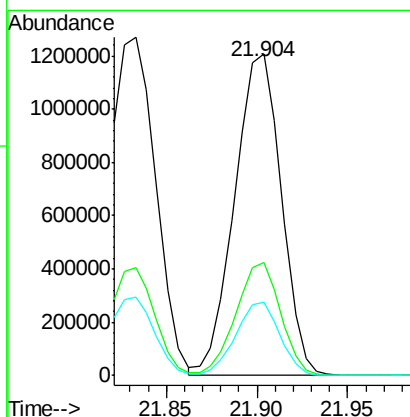
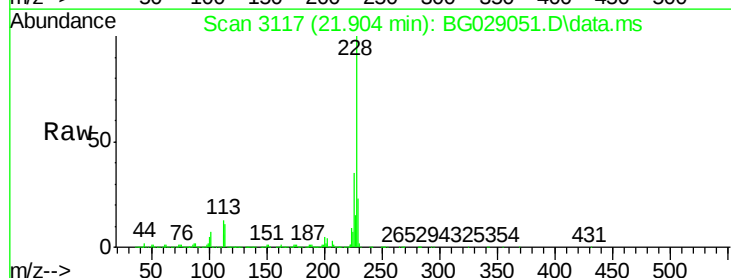
Tgt Ion:228 Resp: 2150663

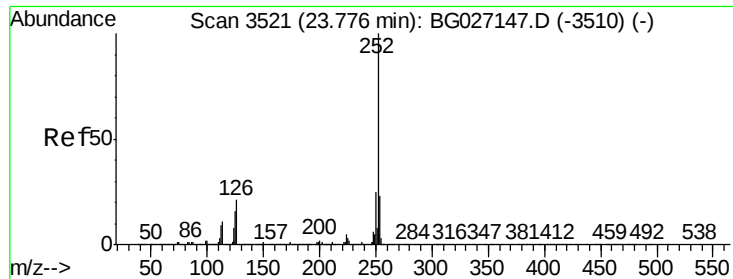
Ion Ratio Lower Upper

228 100

226 34.9 24.5 36.7

229 22.8 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 80.37 ng/ul

RT: 24.142 min Scan# 34

Delta R.T. 0.014 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

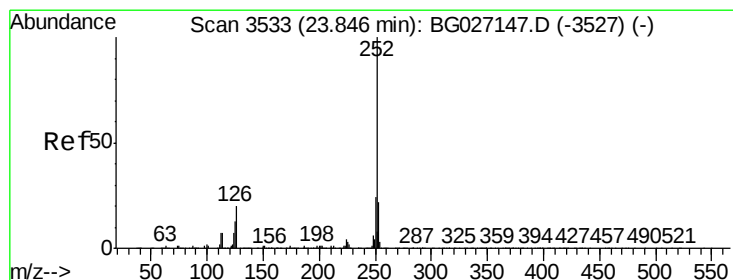
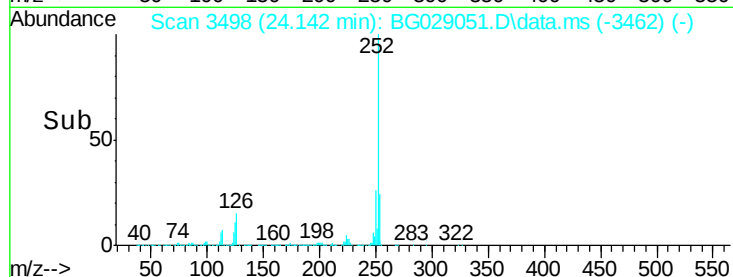
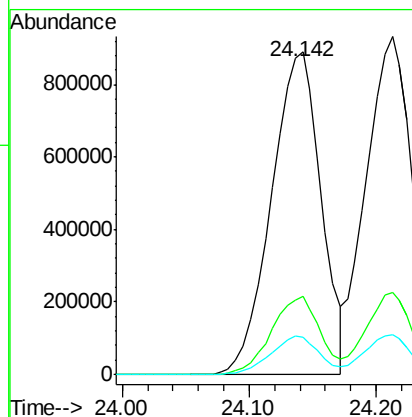
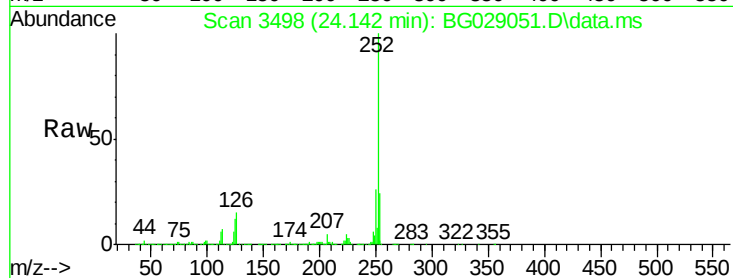
Tot Ion:252 Resp: 2417818

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 11.5 8.0 12.0



#24

Benzo(k)fluoranthene

Concen: 75.09 ng/ul

RT: 24.213 min Scan# 3510

Delta R.T. 0.014 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

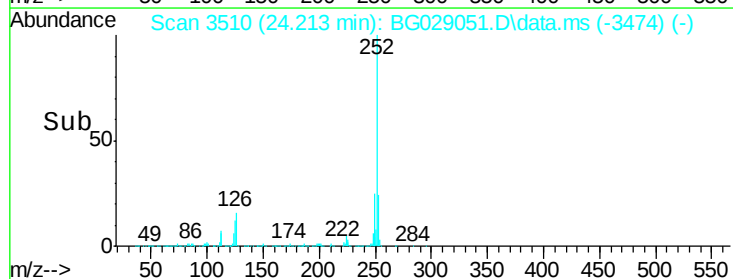
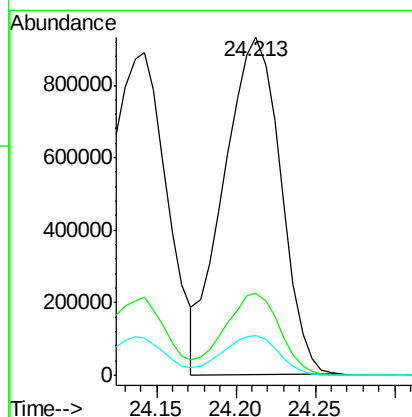
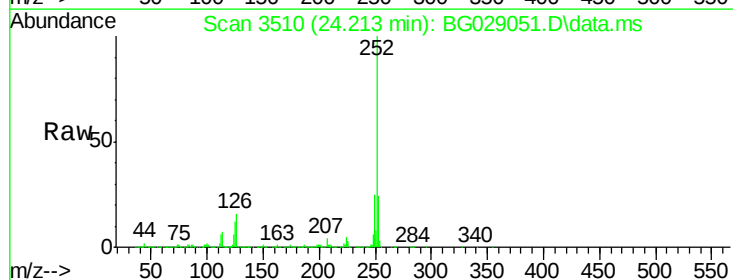
Tgt Ion:252 Resp: 2323734

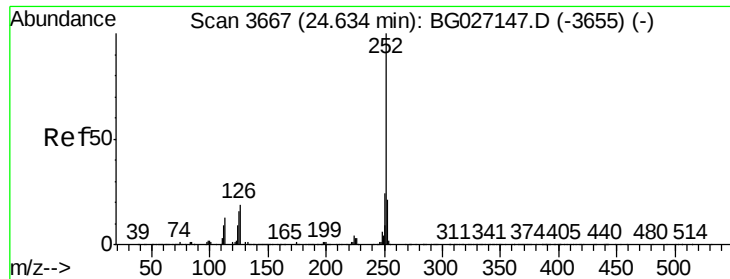
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 11.8 8.1 12.1





#26

Benzo(a)pyrene

Concen: 80.33 ng/ul

RT: 25.053 min Scan# 36

Delta R.T. 0.014 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

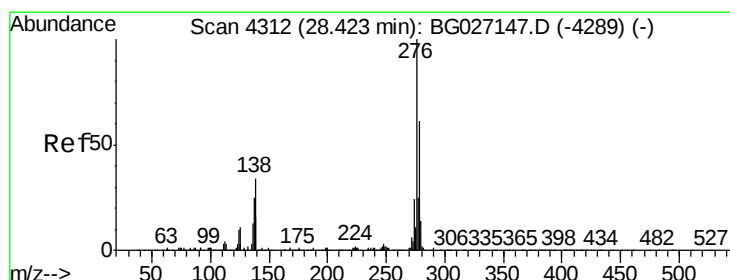
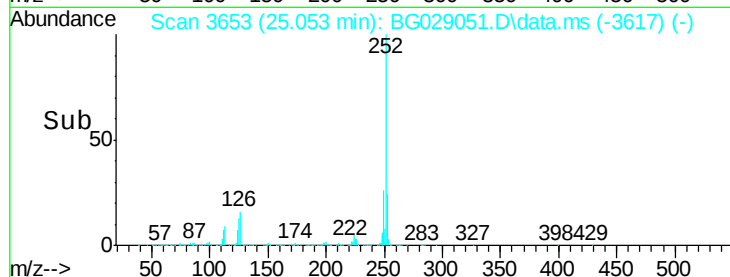
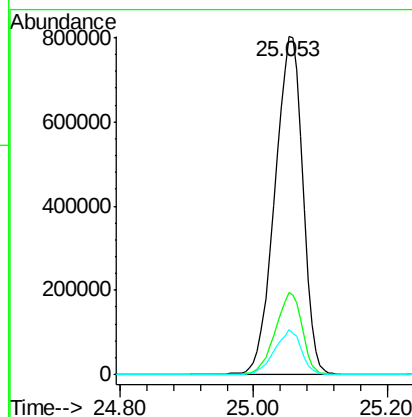
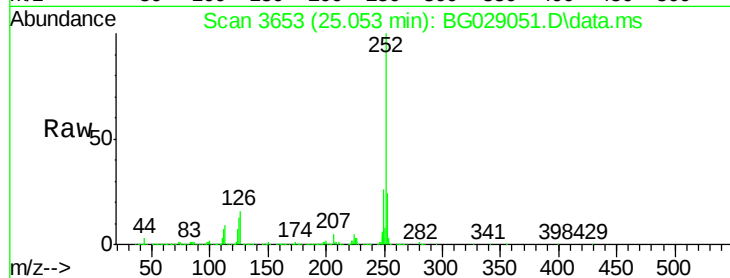
Tot Ion:252 Resp: 2364458

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 13.2 8.2 12.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 102.16 ng/ul

RT: 29.048 min Scan# 4333

Delta R.T. 0.025 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

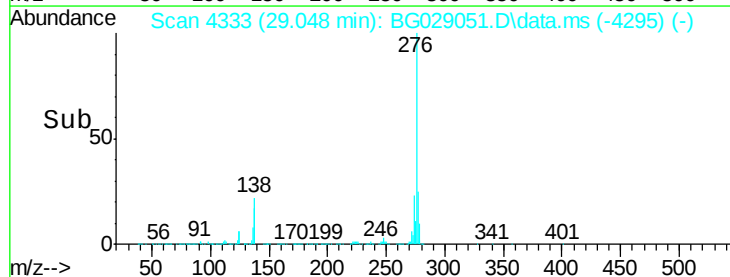
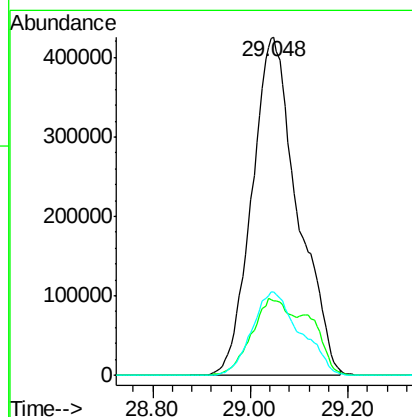
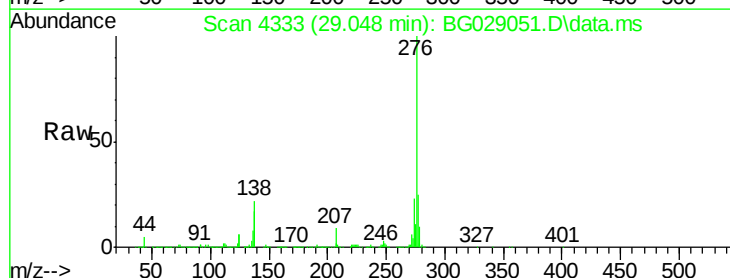
Tgt Ion:276 Resp: 2765739

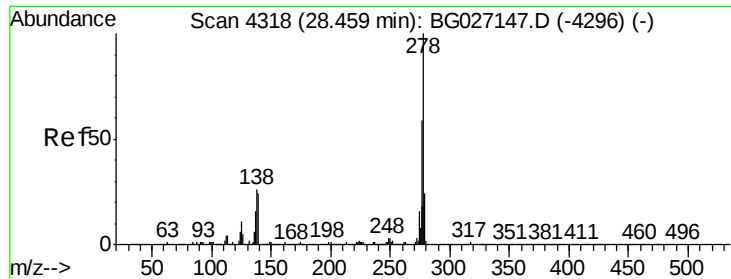
Ion Ratio Lower Upper

276 100

138 22.2 14.4 21.6#

277 24.7 18.0 27.0





#28

Dibenzo(a,h)anthracene

Concen: 97.04 ng/ul

RT: 29.124 min Scan# 4318

Delta R.T. 0.031 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Instrument :

BNA_G

ClientSampleId :

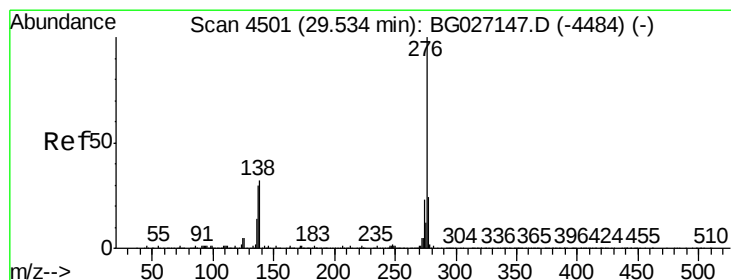
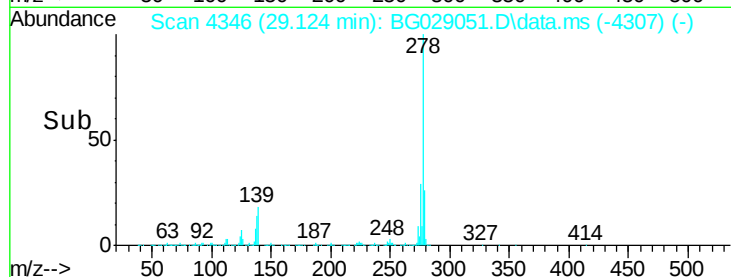
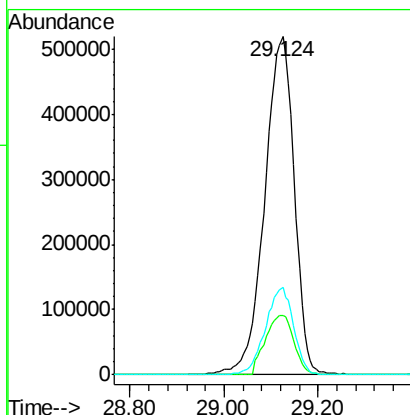
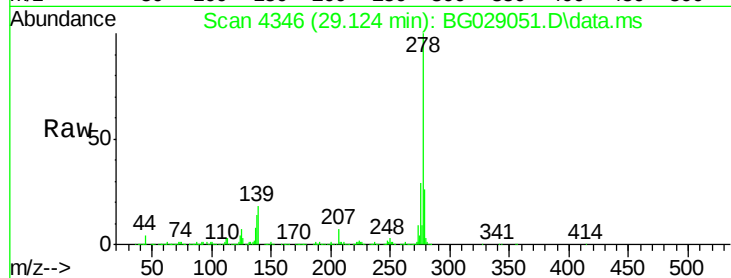
Tot Ion:278 Resp: 2267167

Ion Ratio Lower Upper

278 100

139 17.6 12.2 18.4

279 25.7 19.2 28.8



#29

Benzo(g,h,i)perylene

Concen: 105.98 ng/ul

RT: 30.253 min Scan# 4538

Delta R.T. 0.043 min

Lab File: BG029051.D

Acq: 7 Oct 2017 16:42

Tgt Ion:276 Resp: 2281880

Ion Ratio Lower Upper

276 100

138 25.0 15.3 22.9#

277 23.9 19.0 28.4

