

Data Path : Z:\HPCHEM1\BNA G\Data\BG100717\
 Data File : BG029047.D
 Acq On : 7 Oct 2017 14:02
 Operator : SJ/JU
 Sample : SST00552
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 07 16:56:43 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	65071	20.00	ng/ul	0.00
2) Naphthalene-d8	11.038	136	293433	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.828	164	197846	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.565	188	487816	20.00	ng/ul	0.00
17) Chrysene-d12	21.843	240	509079	20.00	ng/ul	0.00
22) Perylene-d12	25.192	264	483467	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.522	160	102101	5.03	ng/ul	0.00
10) Fluorene-d10	15.815	176	74598	5.51	ng/ul	0.00
14) Anthracene-d10	17.665	188	121577	5.11	ng/ul	0.00
18) Pyrene-d10	19.933	212	131080	4.93	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.951	264	113886	4.74	ng/ul	0.00

Target Compounds

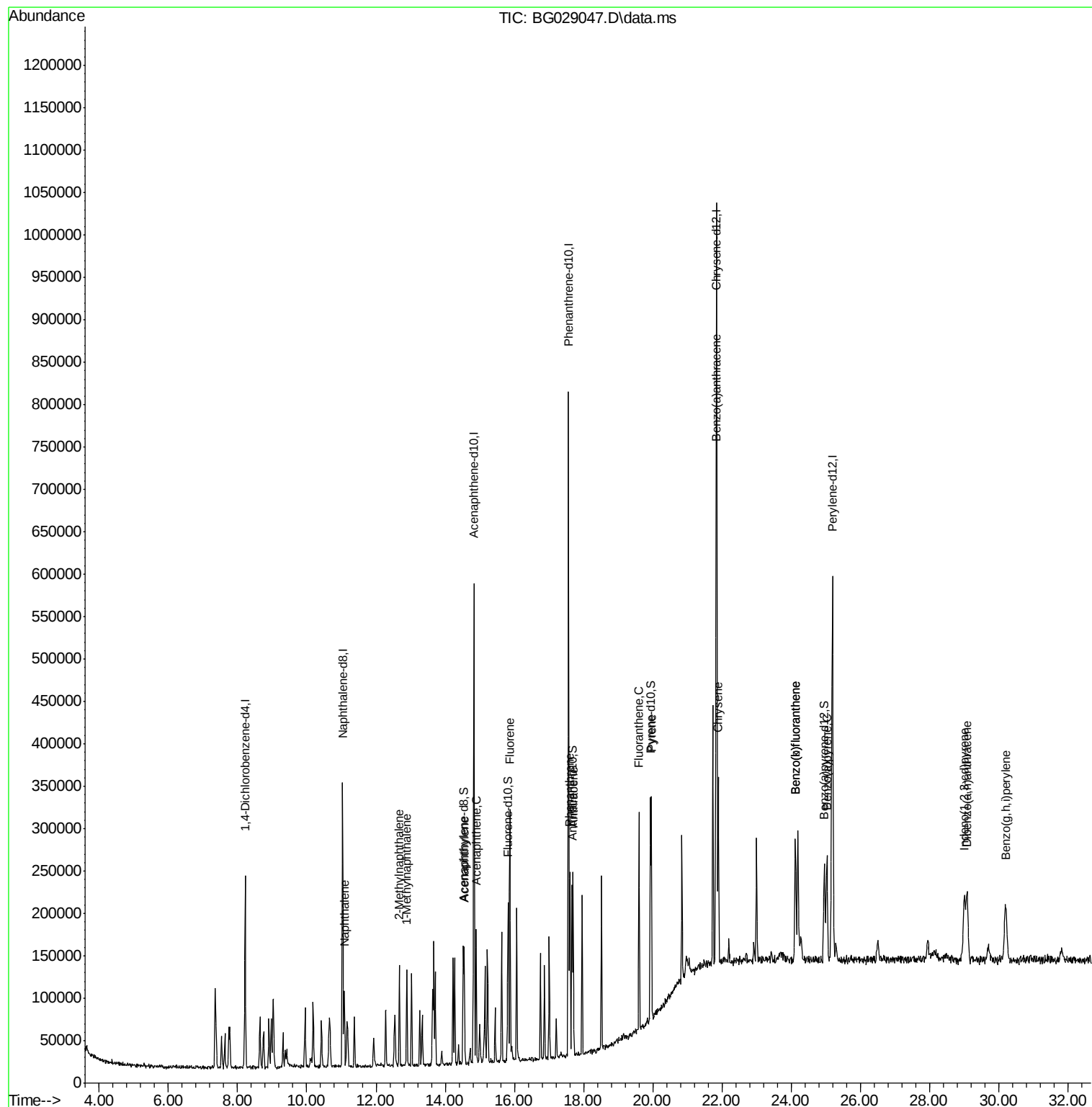
						Ovalue
3) Naphthalene	11.085	128	76839	5.05	ng/ul#	94
4) 2-Methylnaphthalene	12.671	142	58826	5.21	ng/ul	99
5) 1-Methylnaphthalene	12.889	142	55757	4.59	ng/ul#	94
8) Acenaphthylene	14.551	152	99268	4.87	ng/ul	96
9) Acenaphthene	14.892	153	67463	4.83	ng/ul	99
11) Fluorene	15.873	166	83142	5.59	ng/ul	92
13) Phenanthrene	17.607	178	134577	4.93	ng/ul	97
15) Anthracene	17.701	178	138918	4.96	ng/ul	98
16) Fluoranthene	19.604	202	157318	5.64	ng/ul	96
19) Pyrene	19.963	202	165612	4.98	ng/ul	97
20) Benzo(a)anthracene	21.825	228	148018	4.83	ng/ul	96
21) Chrysene	21.890	228	136521	4.85	ng/ul	99
23) Benzo(b)fluoranthene	24.122	252	136491	4.75	ng/ul	98
24) Benzo(k)fluoranthene	24.122	252	136491	4.62	ng/ul	98
26) Benzo(a)pyrene	25.033	252	134541	4.79	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	29.005	276	151990	5.88	ng/ul	96
28) Dibenzo(a,h)anthracene	29.081	278	125446	5.62	ng/ul	98
29) Benzo(g,h,i)perylene	30.192	276	125410	6.10	ng/ul#	90

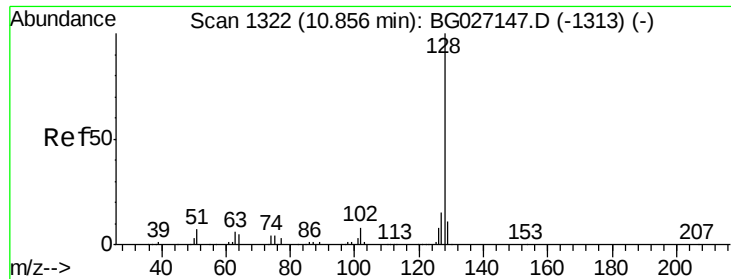
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampled :

Quant Time: Oct 07 16:56:43 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: 5.05 ng/ul

RT: 11.085 min Scan# 12

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

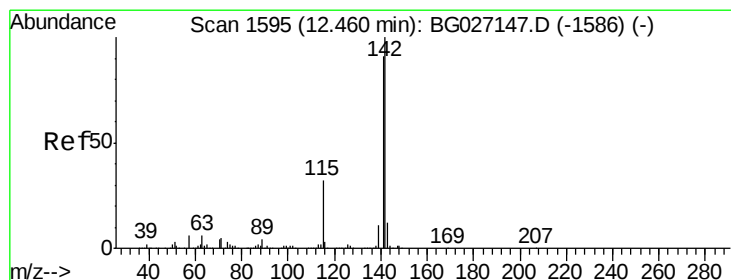
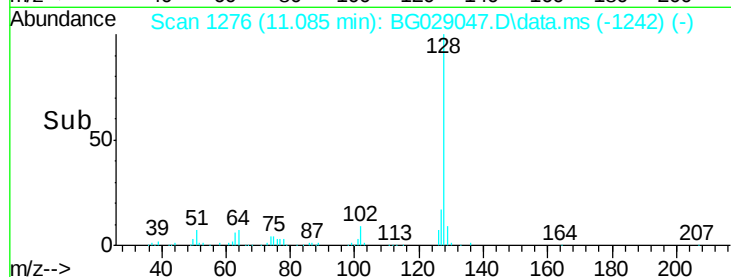
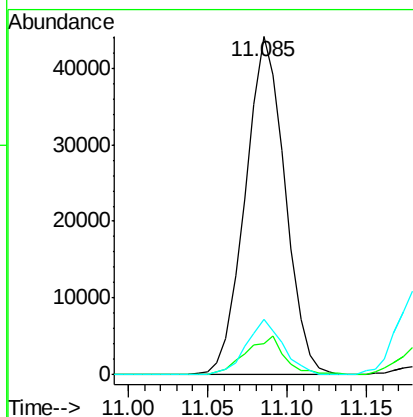
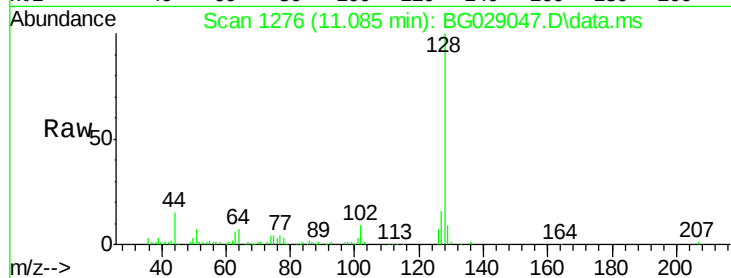
Tot Ion:128 Resp: 76839

Ion Ratio Lower Upper

128 100

129 9.3 8.7 13.1

127 16.5 10.6 16.0#



#4

2-Methylnaphthalene

Concen: 5.21 ng/ul

RT: 12.671 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BG029047.D

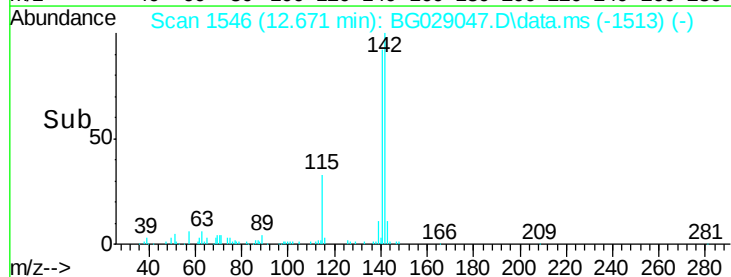
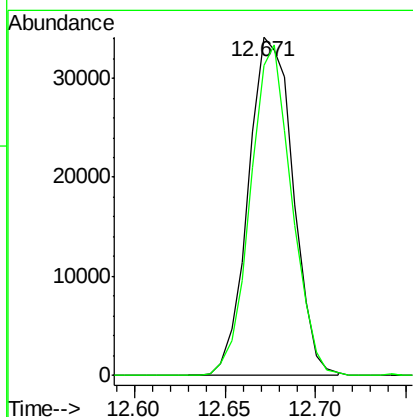
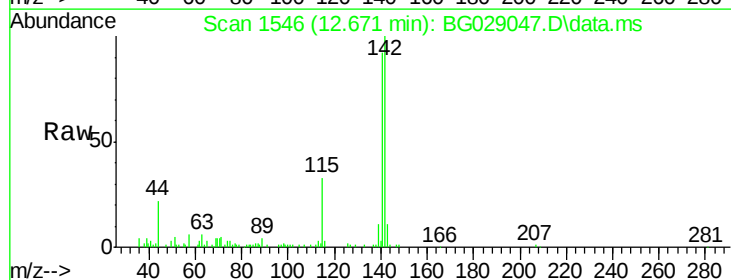
Acq: 7 Oct 2017 14:02

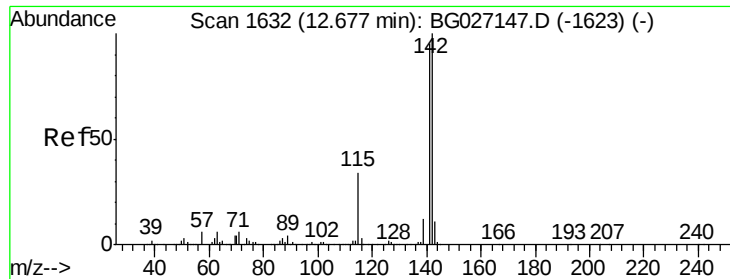
Tgt Ion:142 Resp: 58826

Ion Ratio Lower Upper

142 100

141 91.5 72.7 109.1





#5

1-Methylnaphthalene

Concen: 4.59 ng/ul

RT: 12.889 min Scan# 15

Delta R.T. -0.006 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

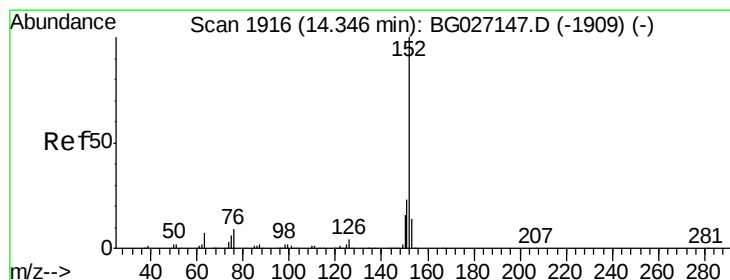
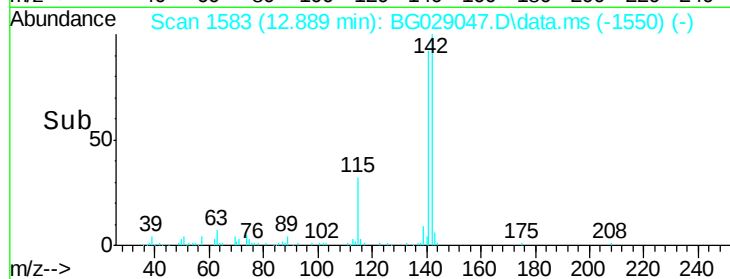
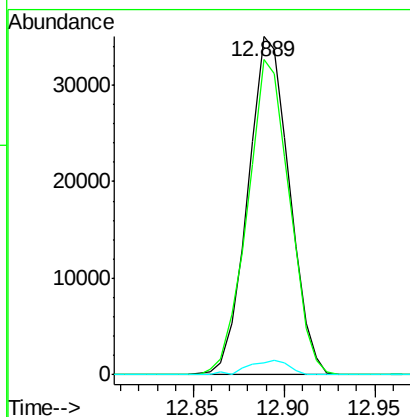
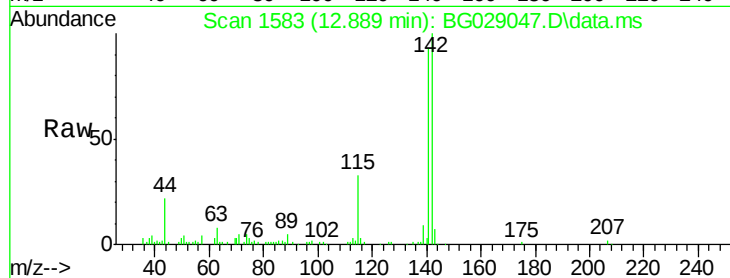
Tot Ion:142 Resp: 55757

Ion Ratio Lower Upper

142 100

141 93.2 79.3 118.9

116 3.3 4.2 6.2#



#8

Acenaphthylene

Concen: 4.87 ng/ul

RT: 14.551 min Scan# 1866

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

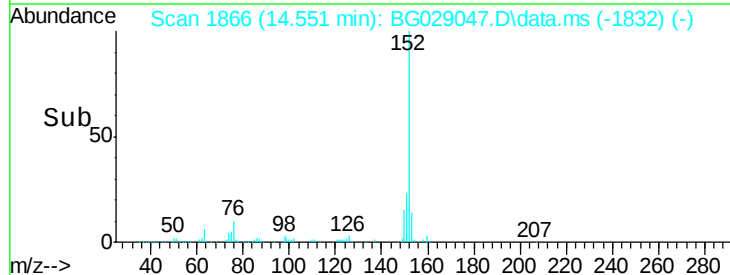
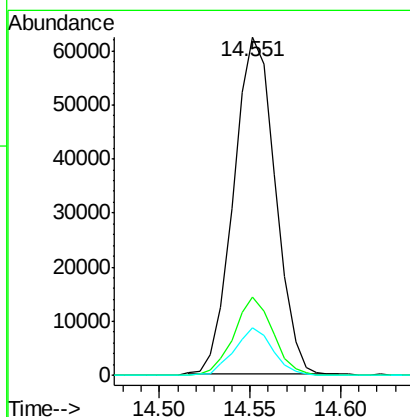
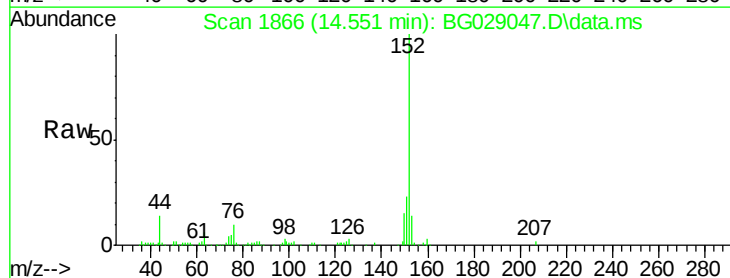
Tgt Ion:152 Resp: 99268

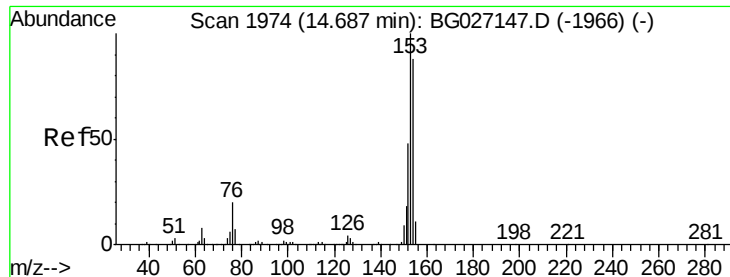
Ion Ratio Lower Upper

152 100

151 23.1 16.7 25.1

153 14.0 10.2 15.4





#9

Acenaphthene

Concen: 4.83 ng/ul

RT: 14.892 min Scan# 19

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

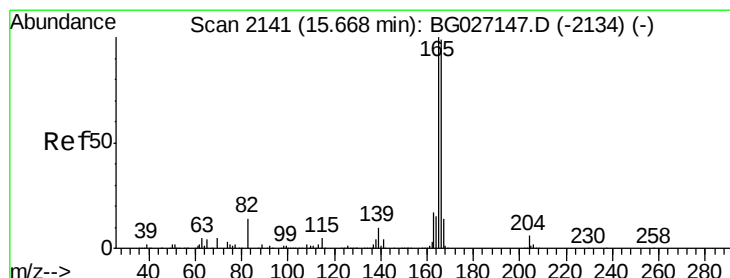
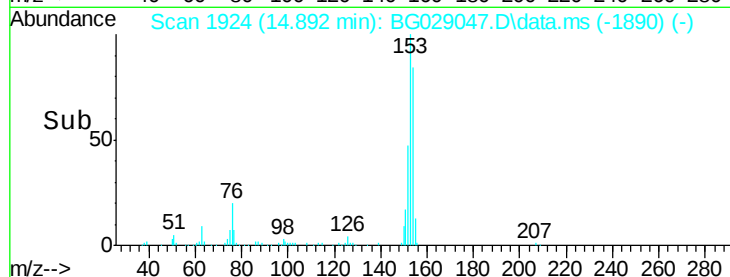
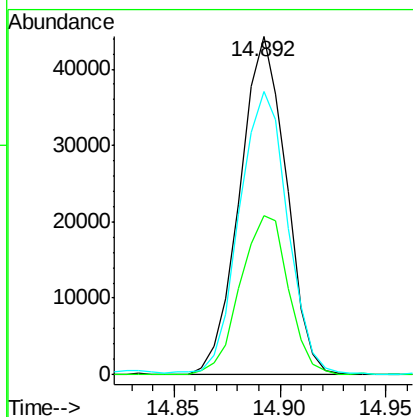
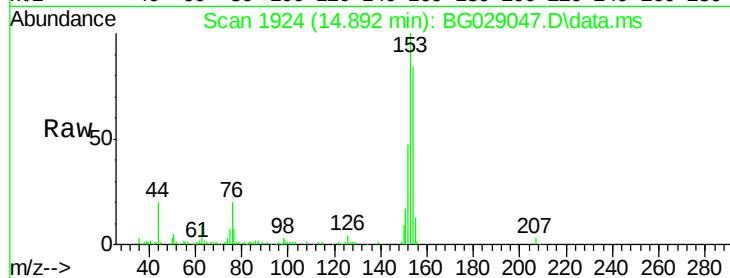
Tot Ion:153 Resp: 67463

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

154 83.6 66.8 100.2



#11

Fluorene

Concen: 5.59 ng/ul

RT: 15.873 min Scan# 2091

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

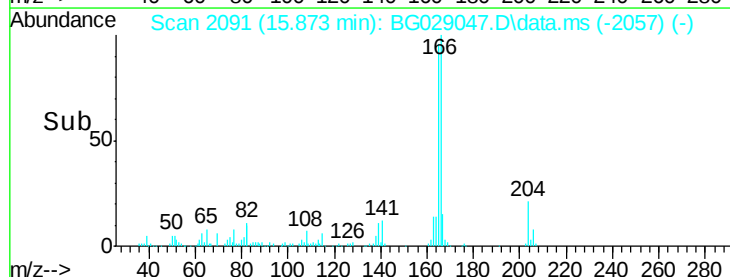
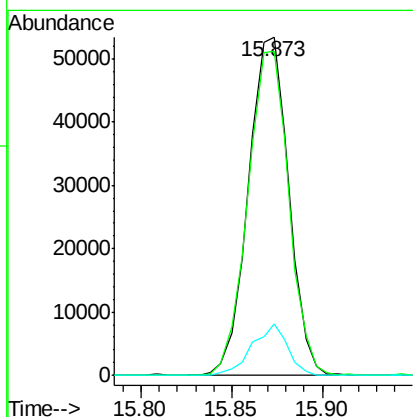
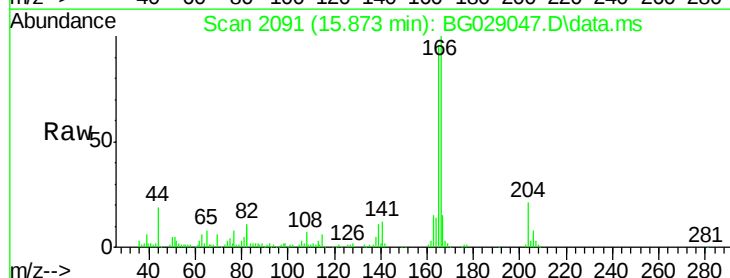
Tgt Ion:166 Resp: 83142

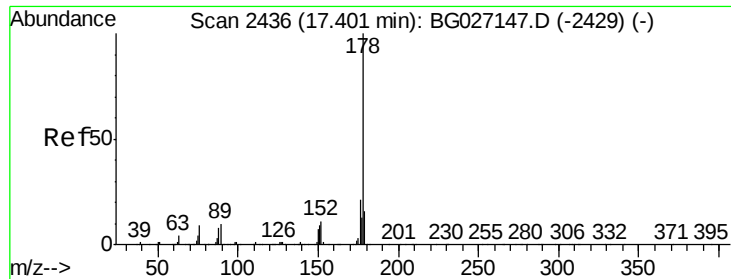
Ion Ratio Lower Upper

166 100

165 95.9 83.8 125.8

167 15.0 11.5 17.3





#13

Phenanthrene

Concen: 4.93 ng/ul

RT: 17.607 min Scan# 23

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

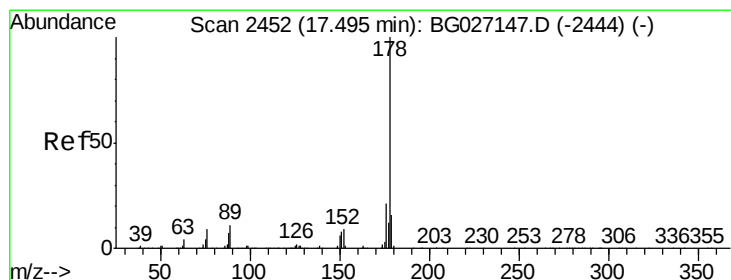
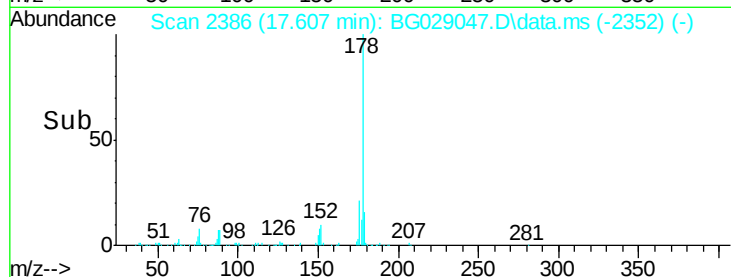
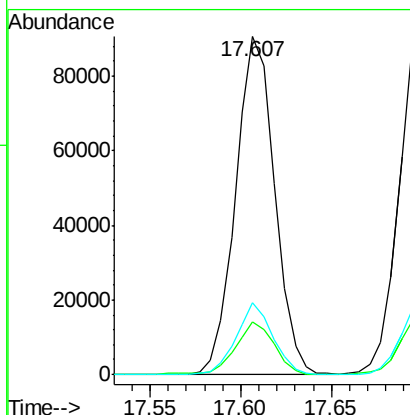
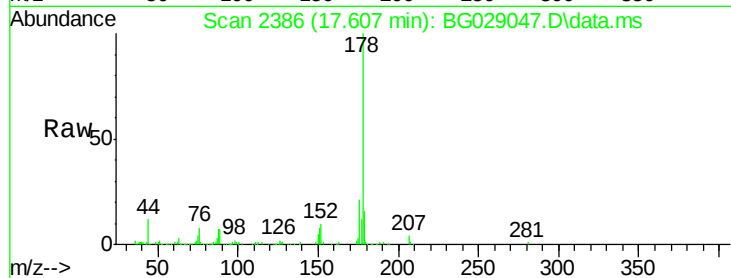
Tot Ion:178 Resp: 134577

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 21.4 15.1 22.7



#15

Anthracene

Concen: 4.96 ng/ul

RT: 17.701 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

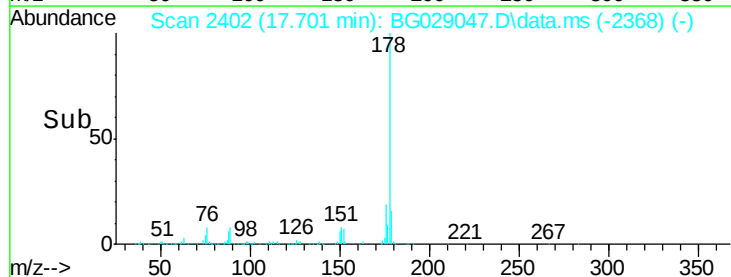
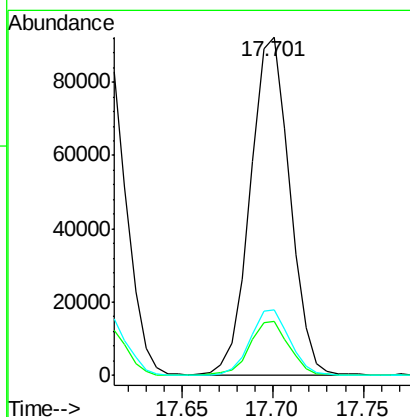
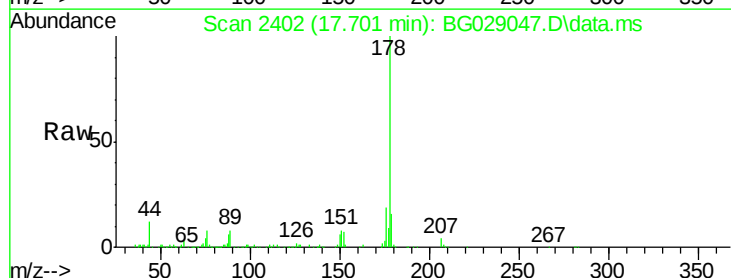
Tgt Ion:178 Resp: 138918

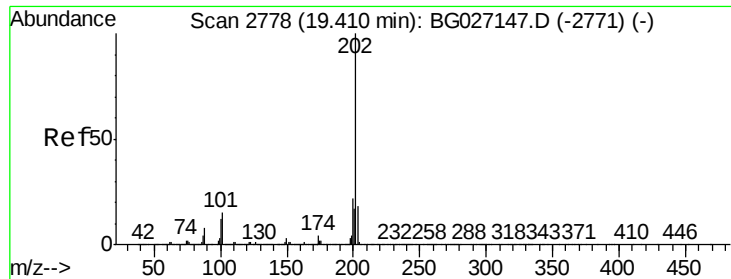
Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.8

176 19.3 15.2 22.8





#16

Fluoranthene

Concen: 5.64 ng/ul

RT: 19.604 min Scan# 27

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

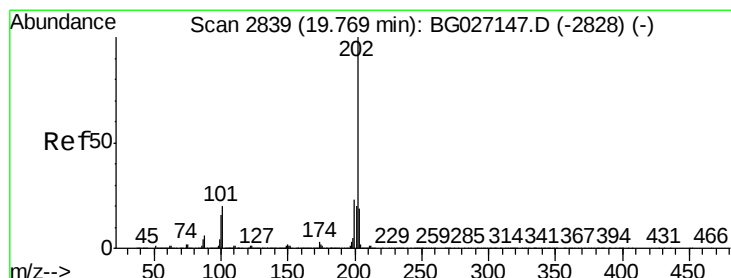
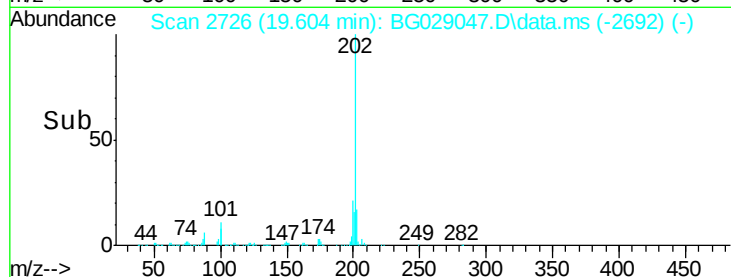
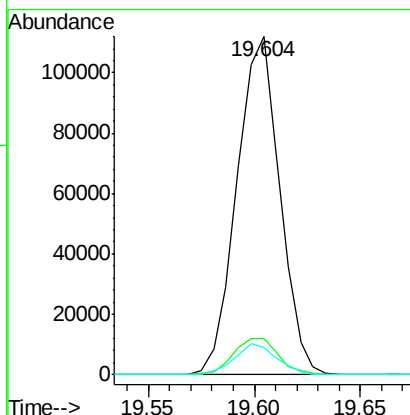
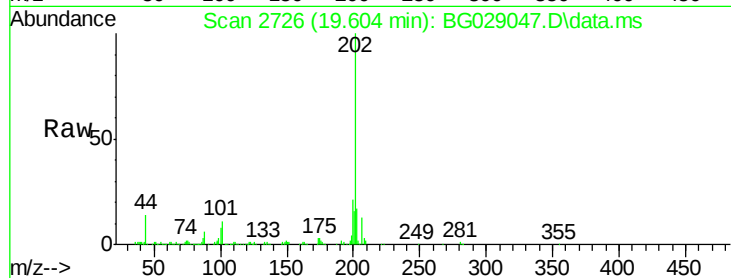
Tot Ion:202 Resp: 157318

Ion Ratio Lower Upper

202 100

101 10.7 9.9 14.9

100 8.1 7.4 11.0



#19

Pyrene

Concen: 4.98 ng/ul

RT: 19.963 min Scan# 2787

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

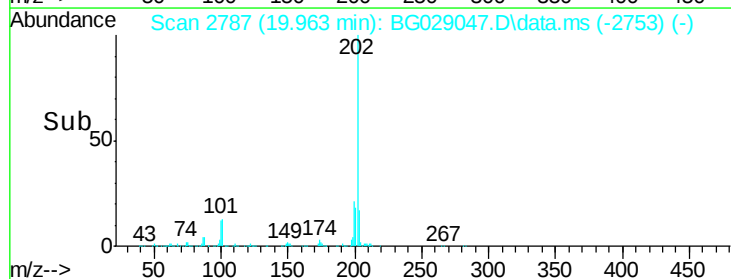
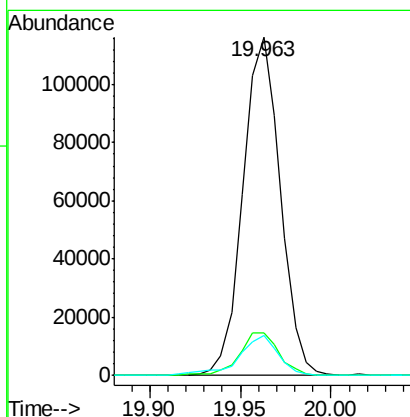
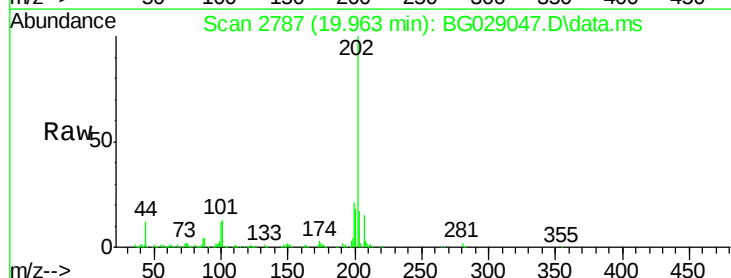
Tgt Ion:202 Resp: 165612

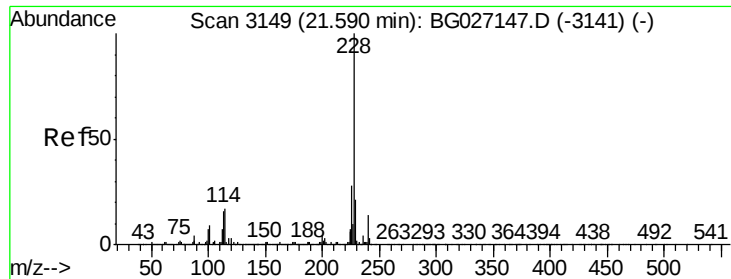
Ion Ratio Lower Upper

202 100

101 12.6 11.0 16.4

100 11.6 8.1 12.1





#20

Benzo(a)anthracene

Concen: 4.83 ng/ul

RT: 21.825 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

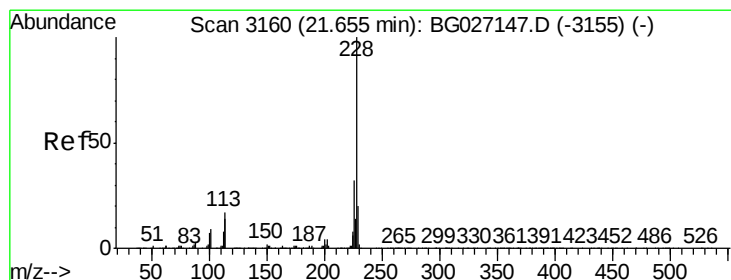
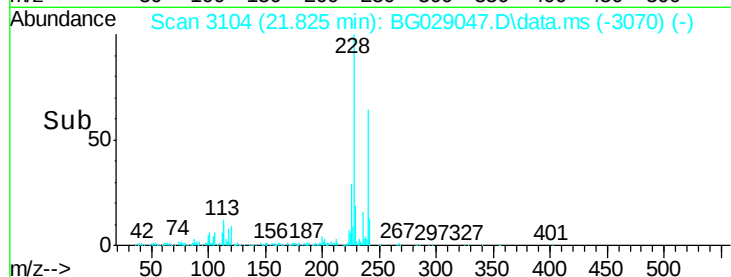
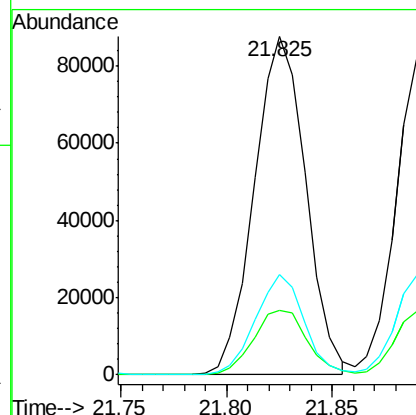
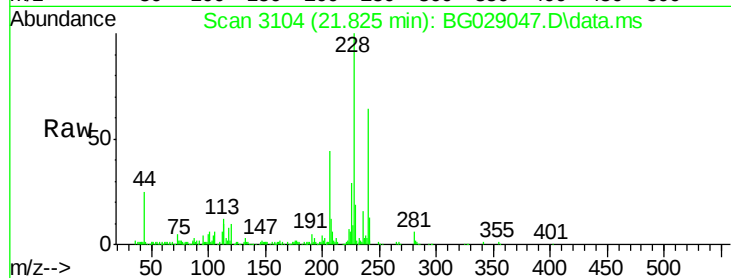
Tot Ion:228 Resp: 148018

Ion Ratio Lower Upper

228 100

229 19.2 15.7 23.5

226 29.4 21.1 31.7



#21

Chrysene

Concen: 4.85 ng/ul

RT: 21.890 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

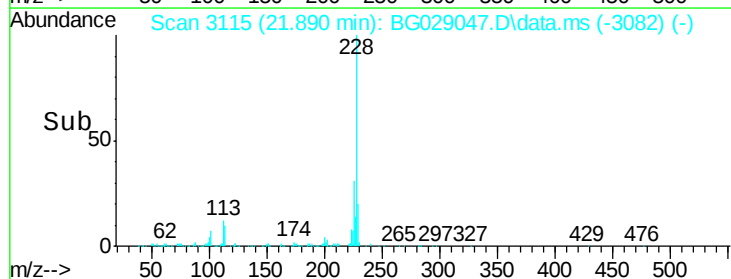
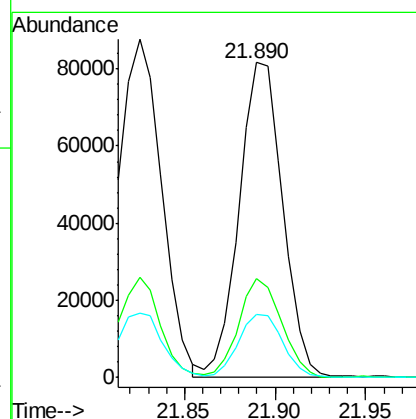
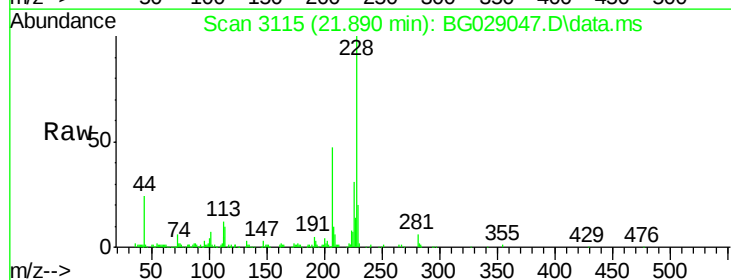
Tgt Ion:228 Resp: 136521

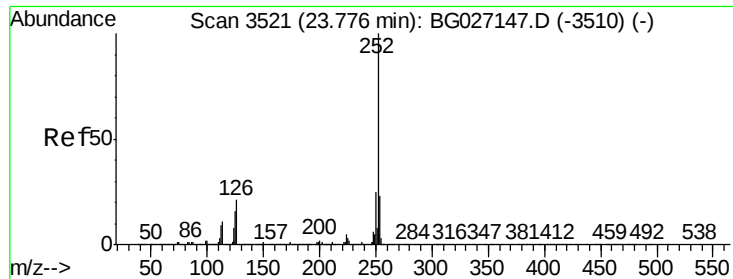
Ion Ratio Lower Upper

228 100

226 31.5 24.5 36.7

229 19.8 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 4.75 ng/ul

RT: 24.122 min Scan# 3495

Delta R.T. -0.006 min

Lab File: BG029047.D

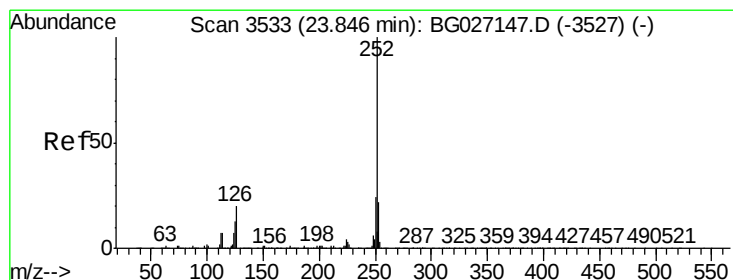
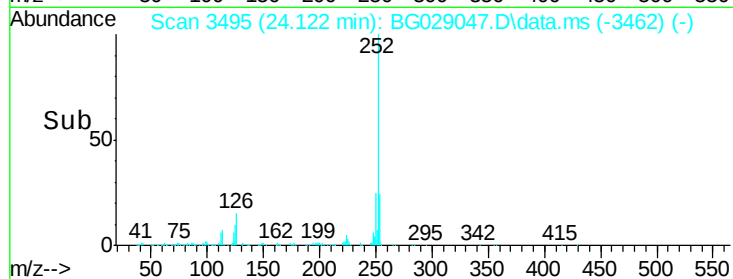
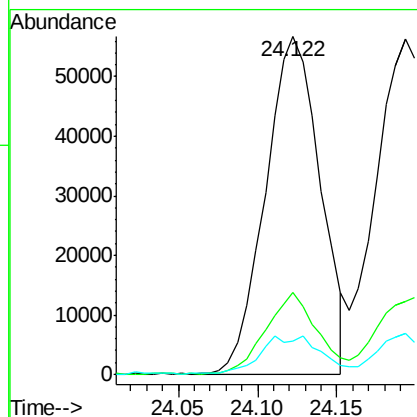
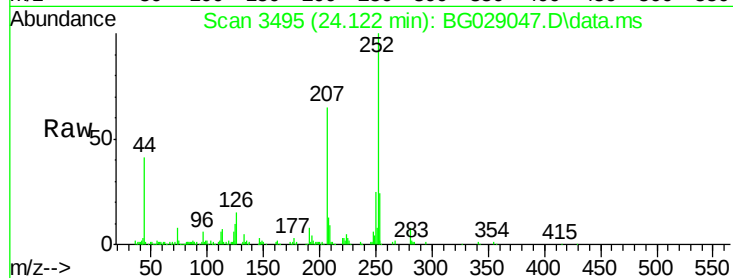
Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	136491
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.0 27.0
125	10.0	8.0 12.0



#24

Benzo(k)fluoranthene

Concen: 4.62 ng/ul

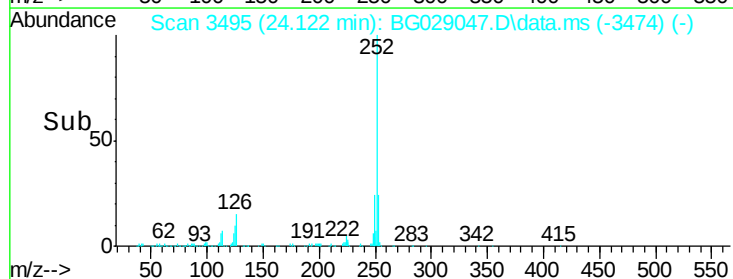
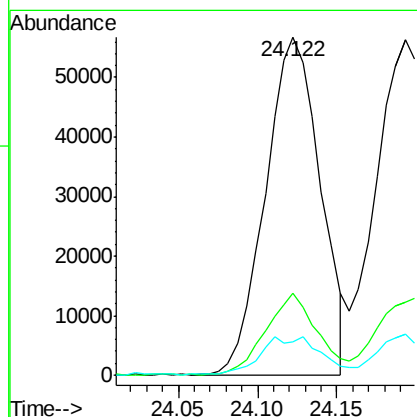
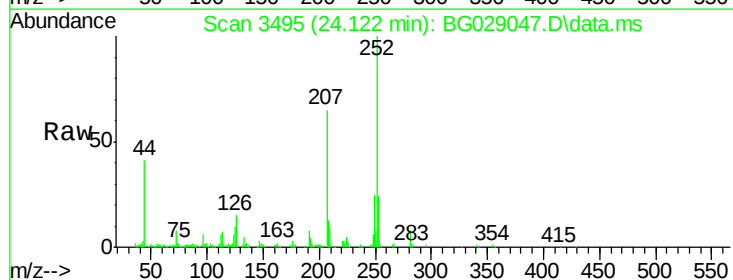
RT: 24.122 min Scan# 3495

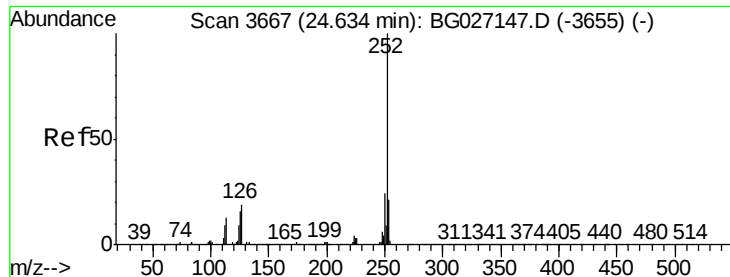
Delta R.T. -0.076 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Tgt Ion:252	Resp:	136491
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.0 27.0
125	10.0	8.1 12.1





#26

Benzo(a)pyrene

Concen: 4.79 ng/ul

RT: 25.033 min Scan# 36

Delta R.T. -0.006 min

Lab File: BG029047.D

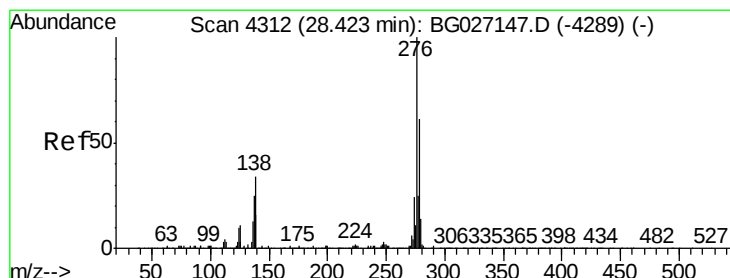
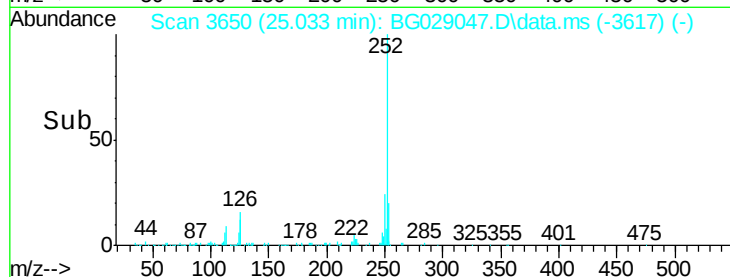
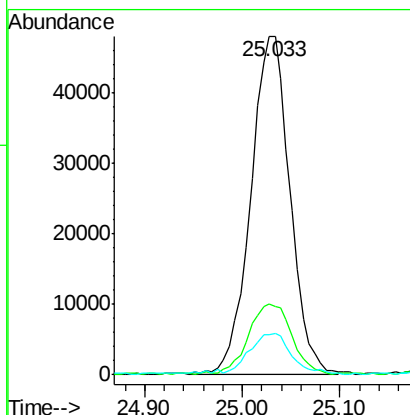
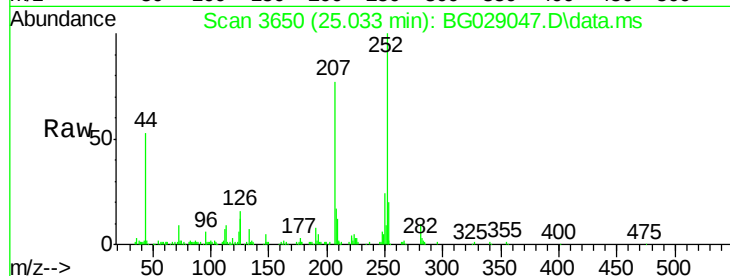
Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	134541
Ion Ratio		Lower	Upper
252	100		
253	19.9	17.2	25.8
125	12.1	8.2	12.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.88 ng/ul

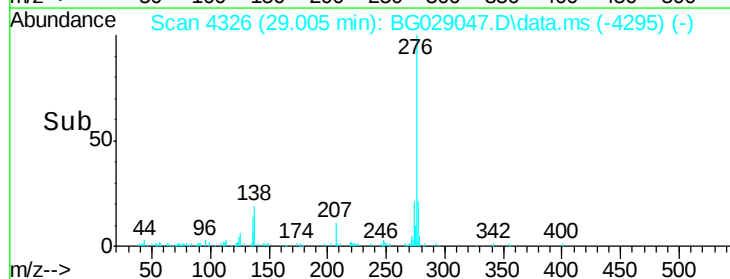
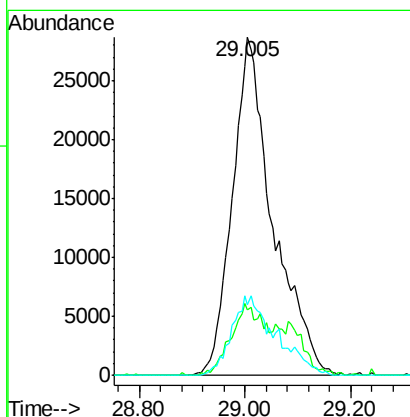
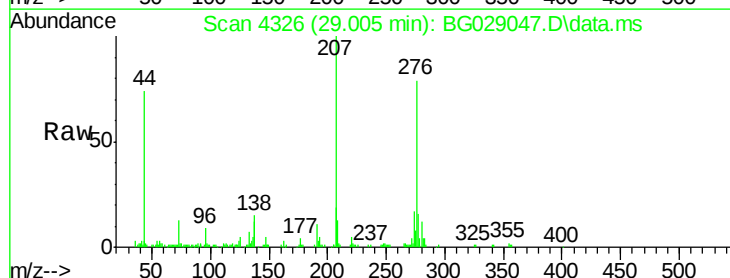
RT: 29.005 min Scan# 4326

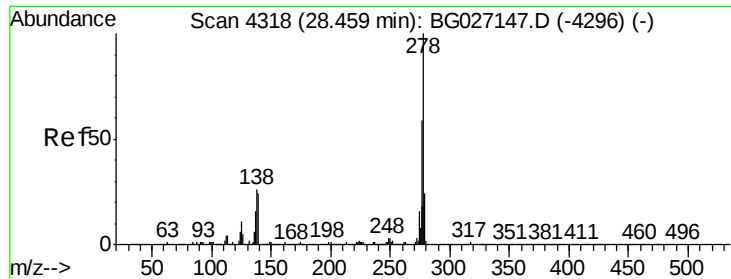
Delta R.T. -0.018 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Tgt Ion:	276	Resp:	151990
Ion Ratio		Lower	Upper
276	100		
138	19.5	14.4	21.6
277	20.7	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 5.62 ng/ul

RT: 29.081 min Scan# 4318

Delta R.T. -0.012 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Instrument :

BNA_G

ClientSampleId :

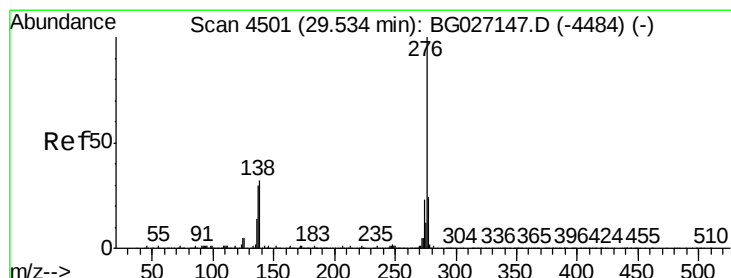
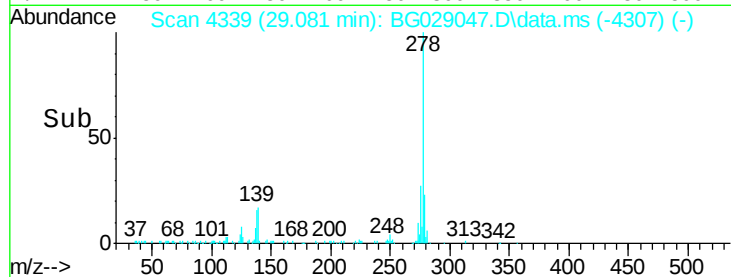
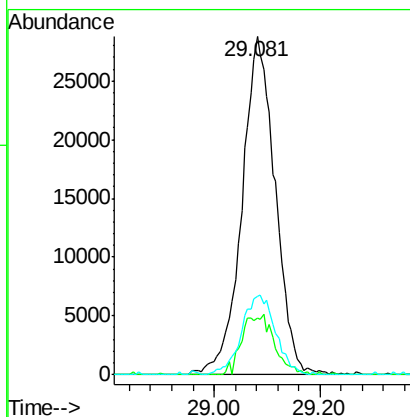
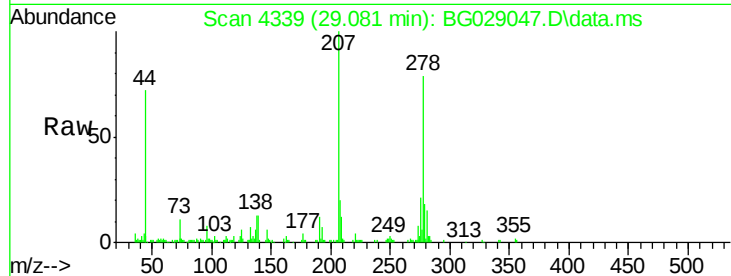
Tot Ion:278 Resp: 125446

Ion Ratio Lower Upper

278 100

139 16.9 12.2 18.4

279 23.2 19.2 28.8



#29

Benzo(g,h,i)perylene

Concen: 6.10 ng/ul

RT: 30.192 min Scan# 4528

Delta R.T. -0.018 min

Lab File: BG029047.D

Acq: 7 Oct 2017 14:02

Tgt Ion:276 Resp: 125410

Ion Ratio Lower Upper

276 100

138 25.5 15.3 22.9#

277 20.1 19.0 28.4

