

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029152.D
 Acq On : 11 Oct 2017 00:01
 Operator : SJ/JU
 Sample : SSTD02070
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02070

Quant Time: Oct 11 04:04:27 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:00:54 2017
 Response via : Initial Calibration

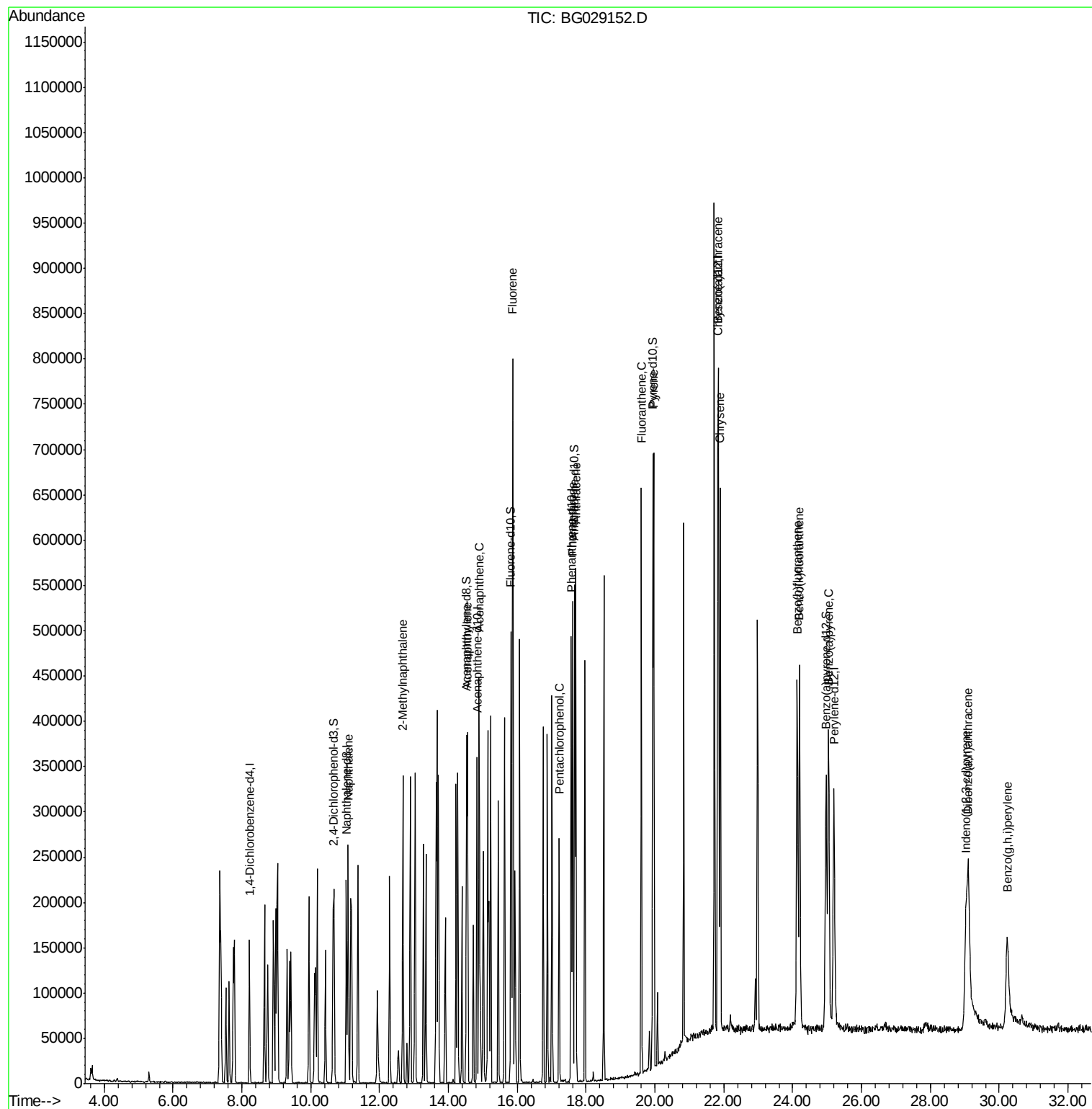
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	43013	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	192389	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	131104	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	307251	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	326752	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	326994	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	77211	21.96	ng/ul	0.00
7) Acenaphthylene-d8	14.53	160	284427	21.23	ng/ul	0.00
10) Fluorene-d10	15.81	176	223986	21.06	ng/ul	0.00
15) Anthracene-d10	17.66	188	325259	21.48	ng/ul	0.00
19) Pyrene-d10	19.94	212	379368	22.15	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	352161	22.27	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.09	128	217810	22.195	ng/ul	100
5) 2-Methylnaphthalene	12.68	142	166225	21.312	ng/ul	100
8) Acenaphthylene	14.55	152	272926	21.308	ng/ul	100
9) Acenaphthene	14.89	153	193744	22.256	ng/ul	100
11) Fluorene	15.87	166	224007	20.298	ng/ul	100
13) Pentachlorophenol	17.21	266	53291	26.483	ng/ul	100
14) Phenanthrene	17.61	178	354903	22.241	ng/ul	100
16) Anthracene	17.70	178	370545	22.564	ng/ul	100
17) Fluoranthene	19.60	202	430371	22.252	ng/ul	100
20) Pyrene	19.97	202	440209	22.047	ng/ul	100
21) Benzo(a)anthracene	21.83	228	441376	22.574	ng/ul	100
22) Chrysene	21.89	228	397898	22.638	ng/ul	100
24) Benzo(b)fluoranthene	24.13	252	443016	21.945	ng/ul	100
25) Benzo(k)fluoranthene	24.20	252	431301	22.056	ng/ul	100
27) Benzo(a)pyrene	25.04	252	423268	21.765	ng/ul	100
28) Indeno(1,2,3-cd)pyrene	29.04	276	401485	18.305	ng/ul	100
29) Dibenzo(a,h)anthracene	29.10	278	352407	19.034	ng/ul	100
30) Benzo(g,h,i)perylene	30.24	276	286531	16.327	ng/ul	100

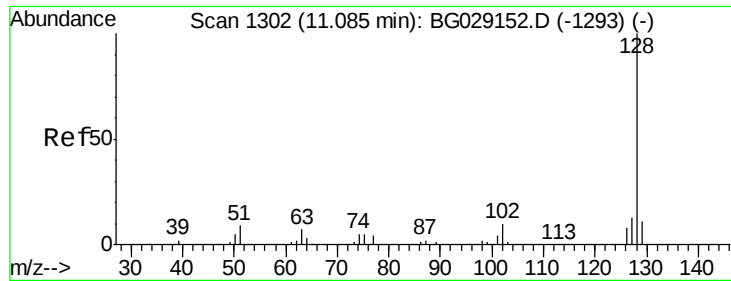
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 22.195 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

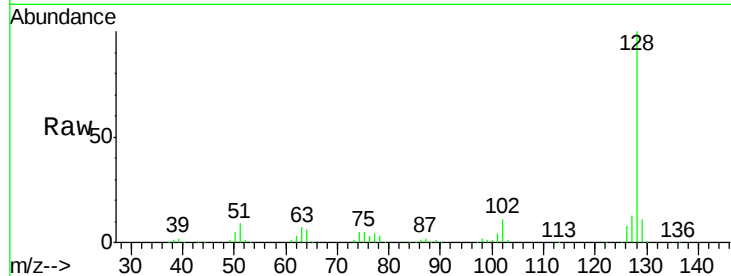
Tgt Ion:128 Resp: 217810

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

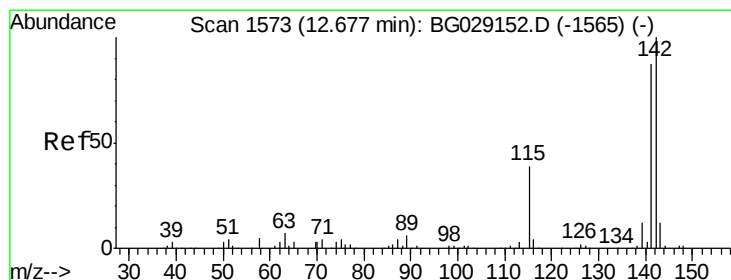
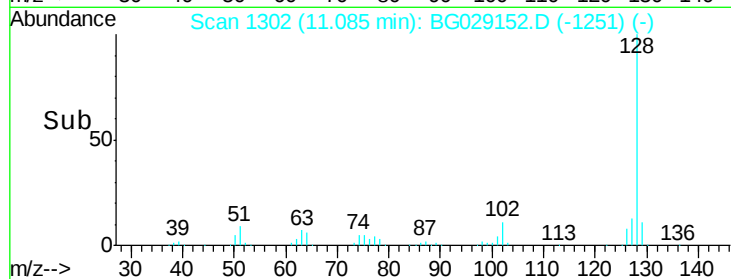
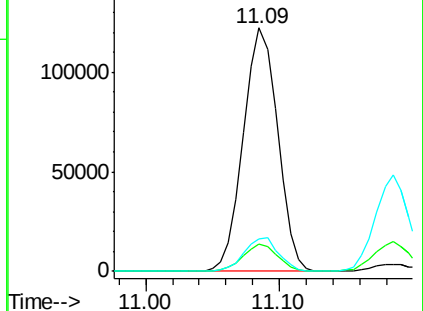
127 13.2 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 21.312 ng/ul

RT: 12.68 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BG029152.D

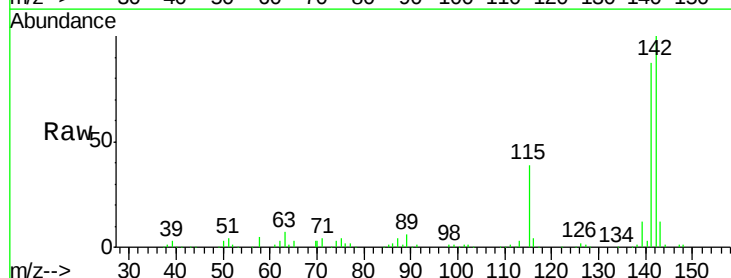
Acq: 11 Oct 2017 00:01

Tgt Ion:142 Resp: 166225

Ion Ratio Lower Upper

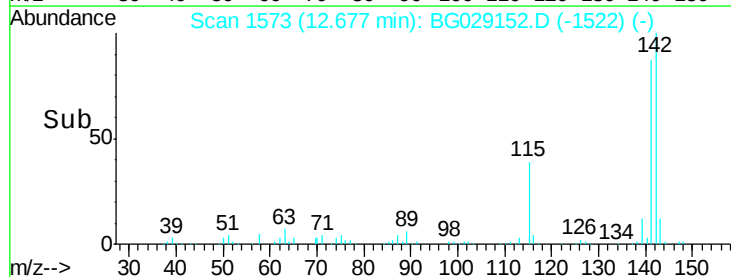
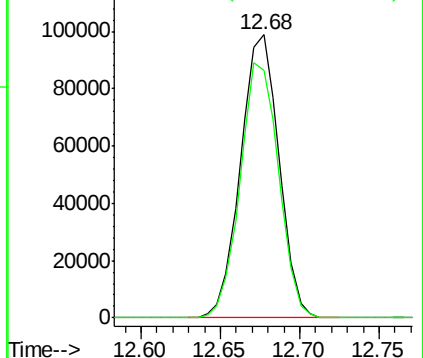
142 100

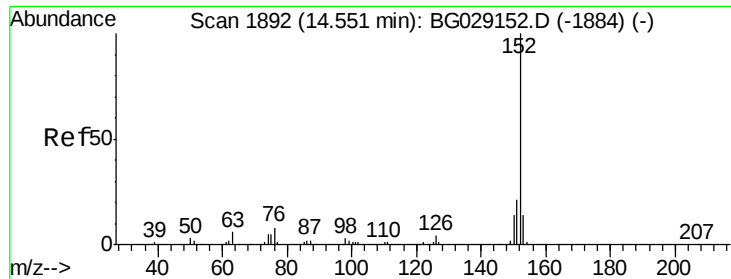
141 87.3 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.308 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

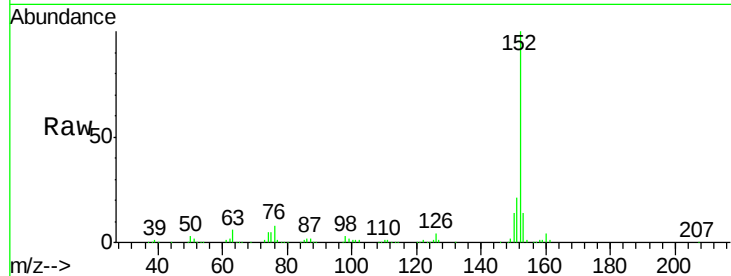
Tgt Ion:152 Resp: 272926

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7

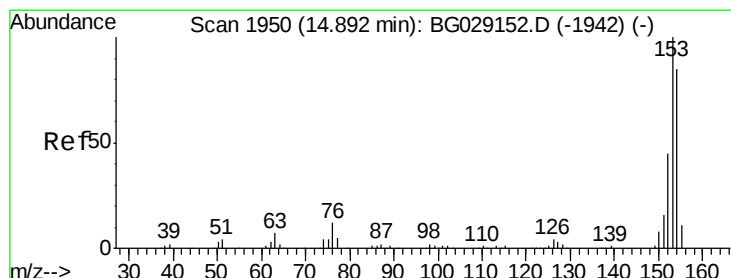
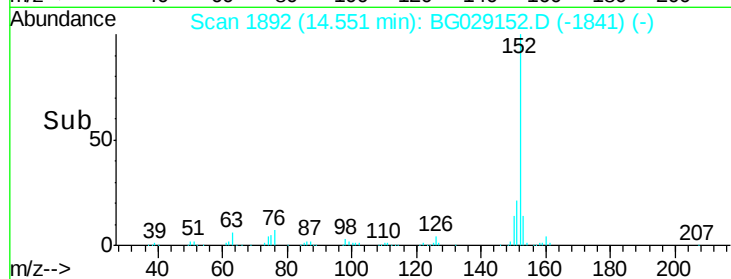
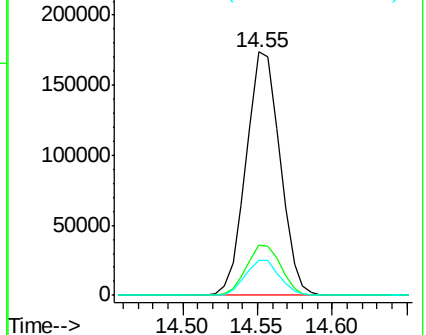
153 14.1 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 22.256 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

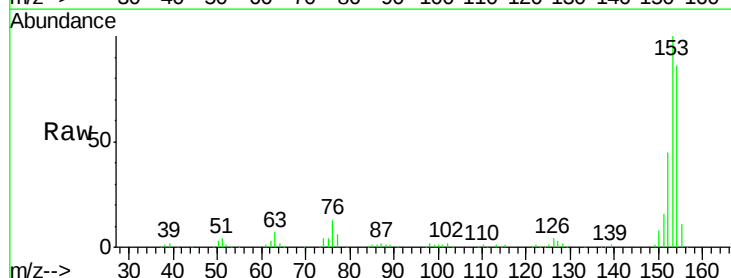
Tgt Ion:153 Resp: 193744

Ion Ratio Lower Upper

153 100

152 45.3 36.2 54.4

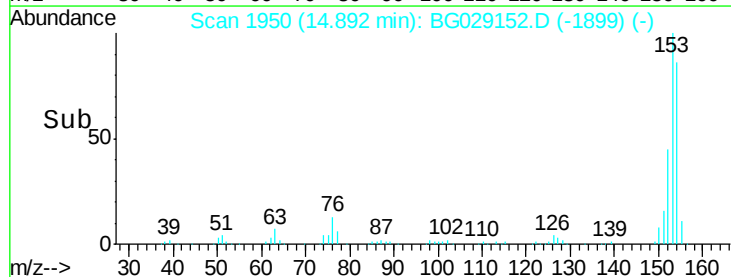
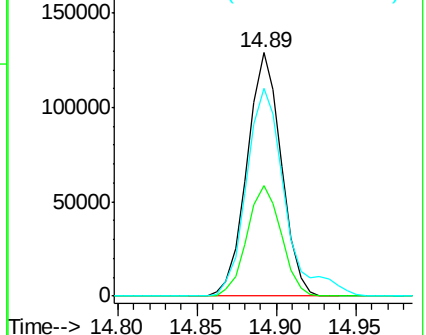
154 85.5 68.4 102.6

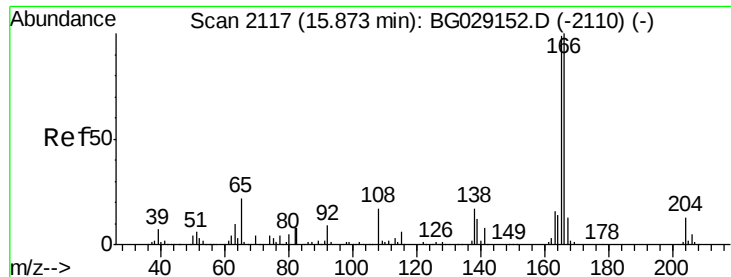


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 20.298 ng/ul

RT: 15.87 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

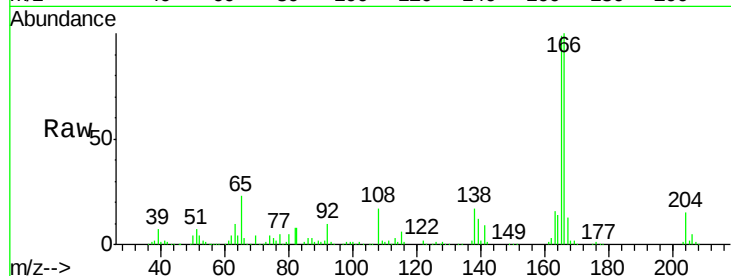
Tgt Ion:166 Resp: 224007

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

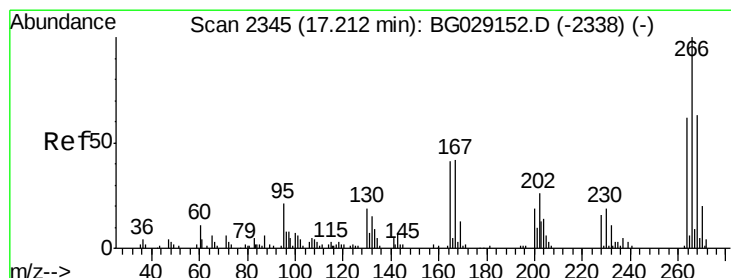
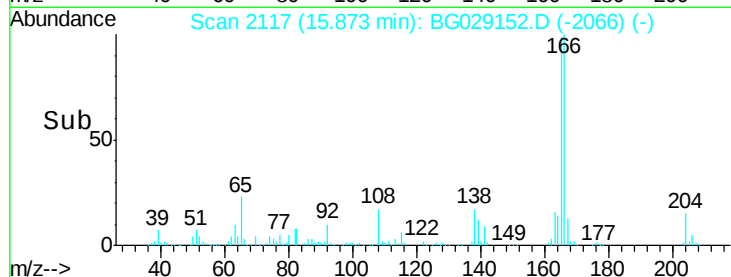
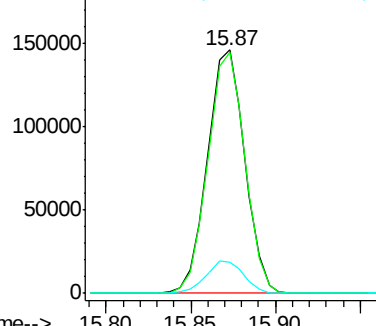
167 12.8 10.2 15.4



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



#13

Pentachlorophenol

Concen: 26.483 ng/ul

RT: 17.21 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

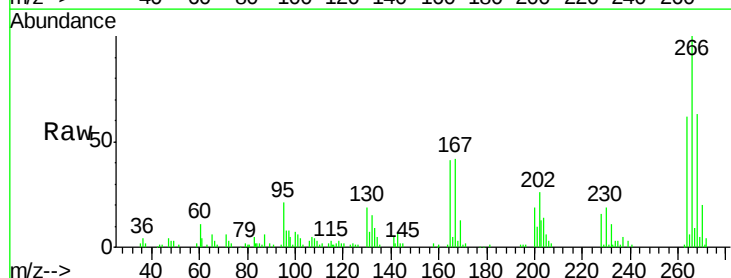
Tgt Ion:266 Resp: 53291

Ion Ratio Lower Upper

266 100

264 62.3 49.8 74.8

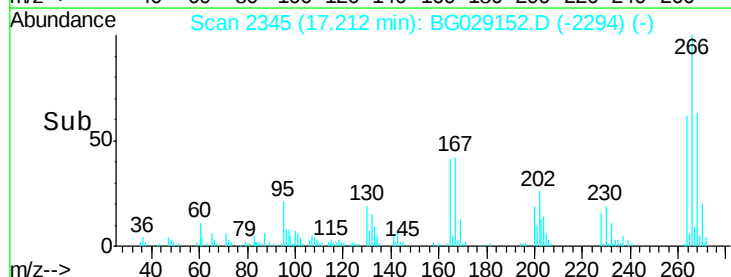
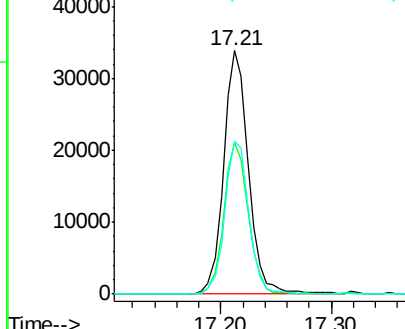
268 62.5 50.0 75.0

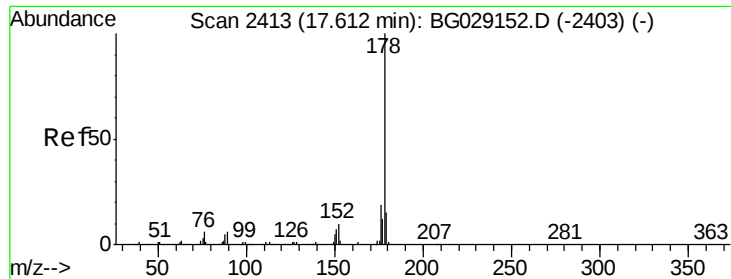


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 22.241 ng/ul

RT: 17.61 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

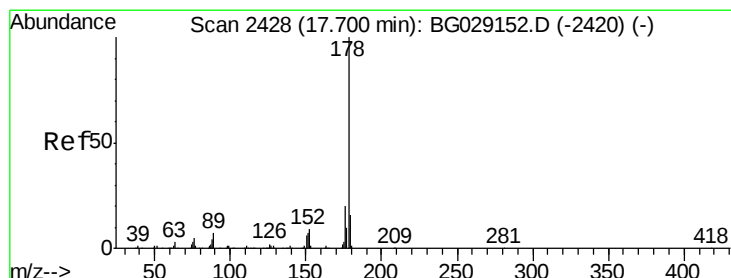
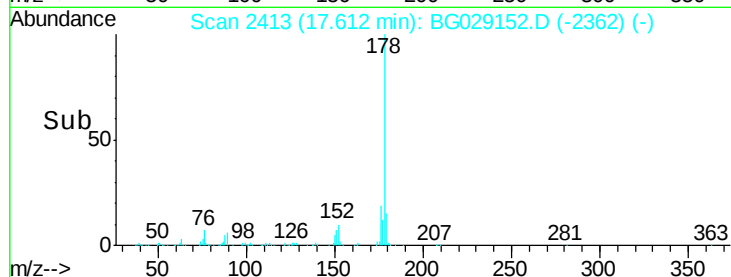
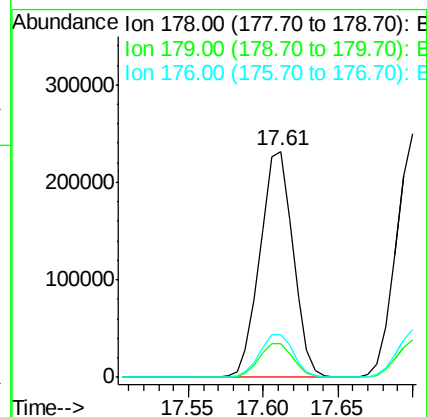
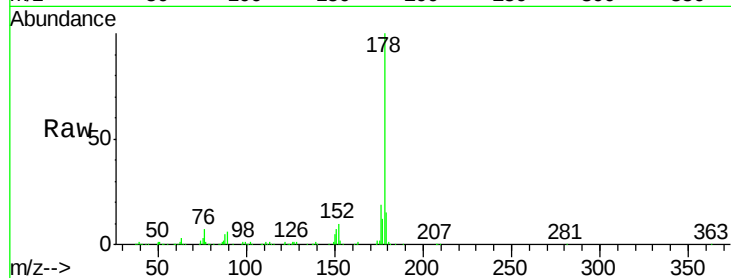
Tgt Ion:178 Resp: 354903

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

176 18.8 15.0 22.6



#16

Anthracene

Concen: 22.564 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

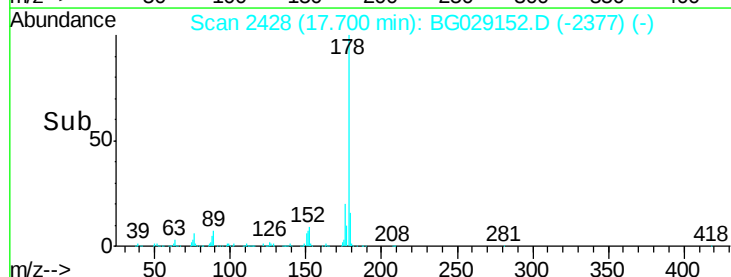
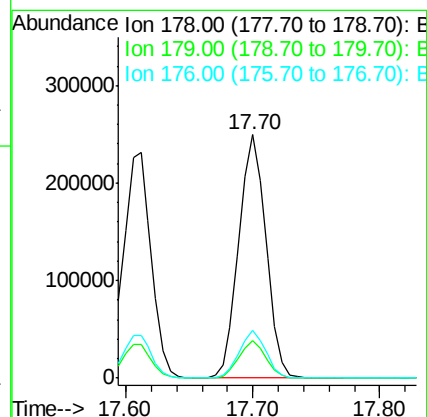
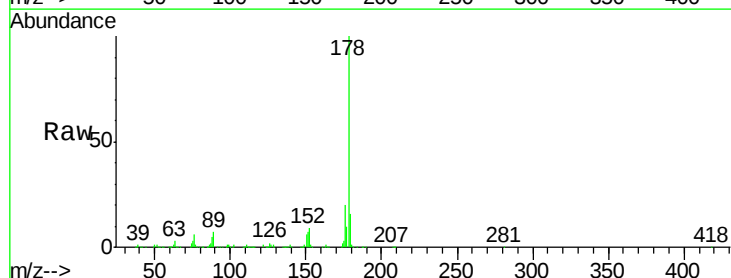
Tgt Ion:178 Resp: 370545

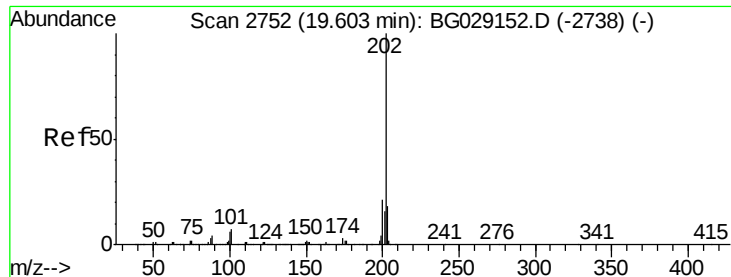
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 19.6 15.7 23.5

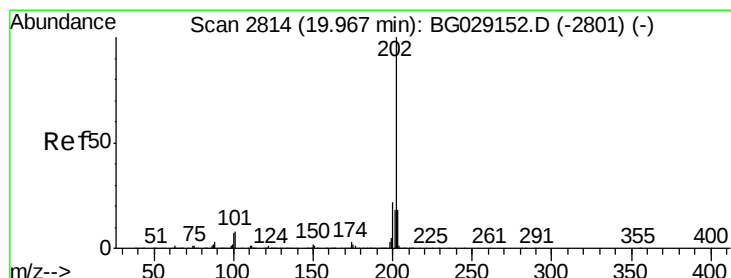
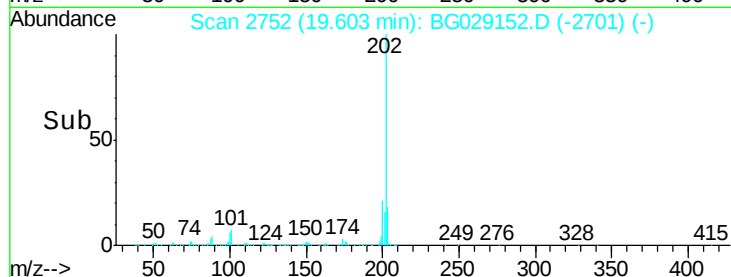
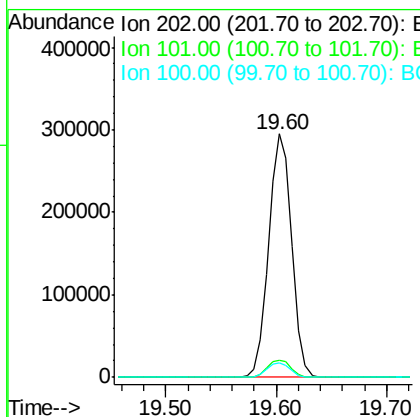
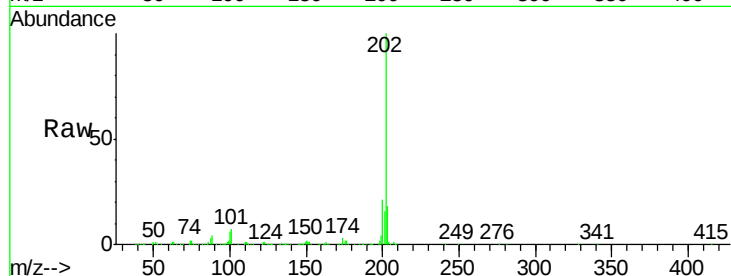




#17
 Fluoranthene
 Concen: 22.252 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BG029152.D
 Acq: 11 Oct 2017 00:01

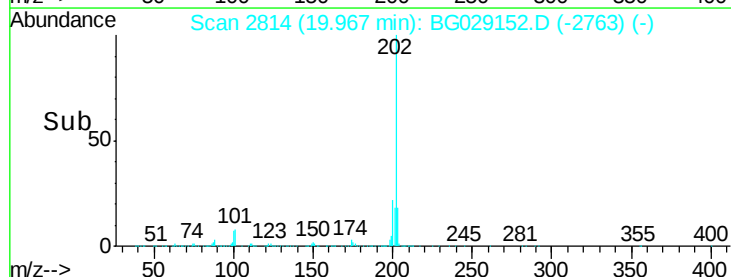
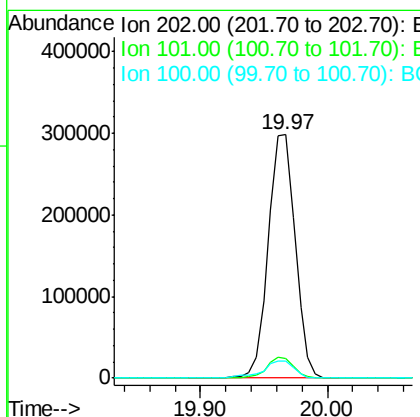
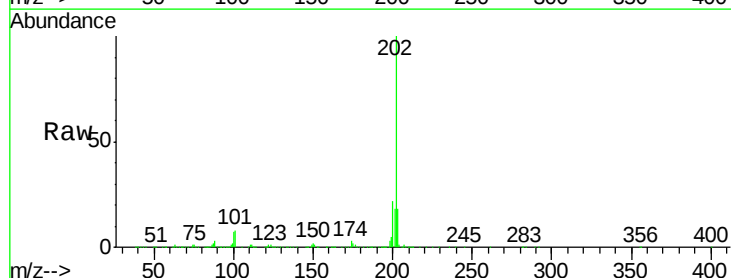
Instrument :
 BNA_G
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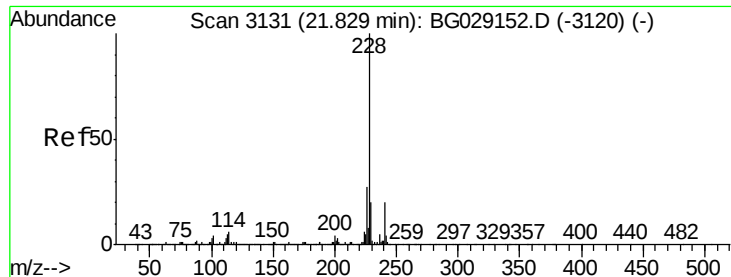
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.6	8.4
100	5.9	4.7	7.1



#20
 Pyrene
 Concen: 22.047 ng/ul
 RT: 19.97 min Scan# 2814
 Delta R.T. 0.00 min
 Lab File: BG029152.D
 Acq: 11 Oct 2017 00:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.5	9.7
100	6.9	5.5	8.3





#21

Benzo(a)anthracene

Concen: 22.574 ng/ul

RT: 21.83 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

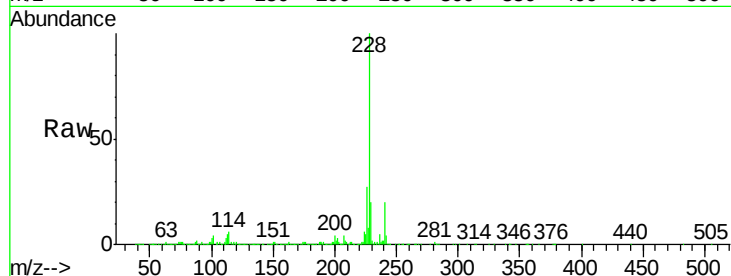
Tgt Ion:228 Resp: 441376

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.8

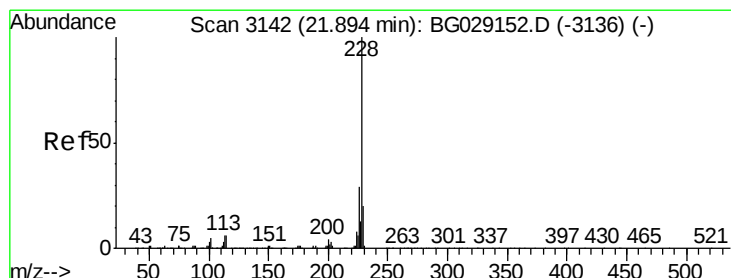
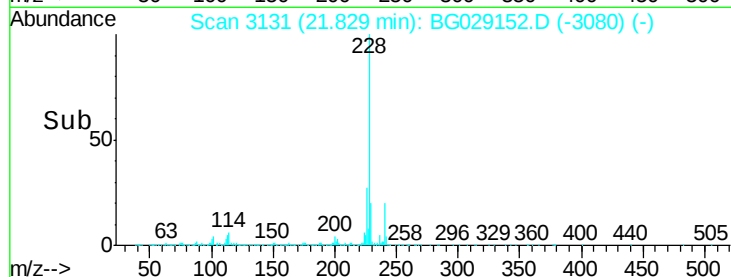
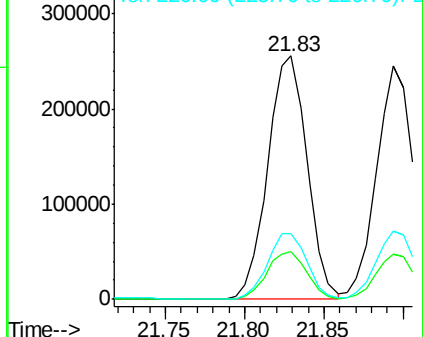
226 27.0 21.6 32.4



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



#22

Chrysene

Concen: 22.638 ng/ul

RT: 21.89 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

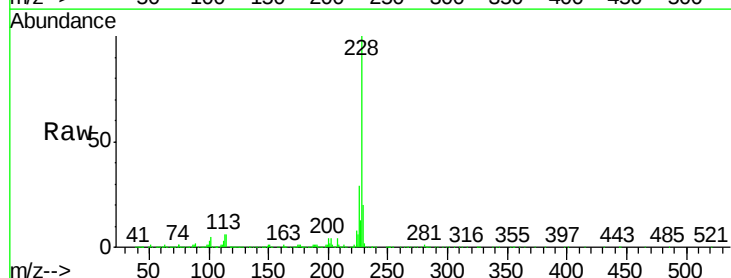
Tgt Ion:228 Resp: 397898

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

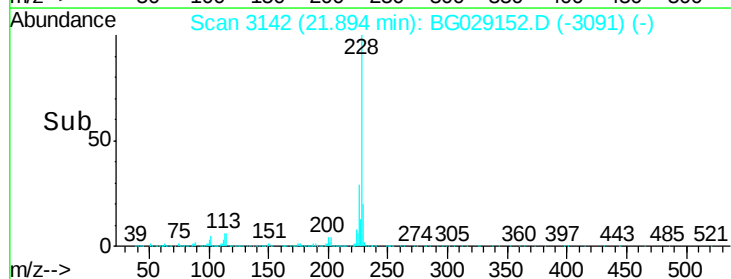
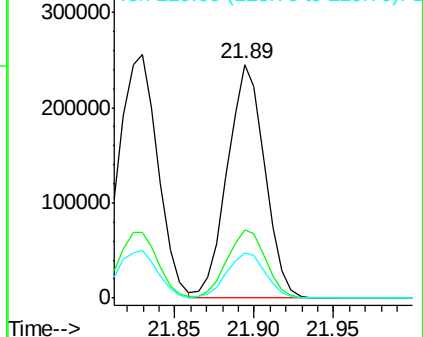
229 19.6 15.7 23.5

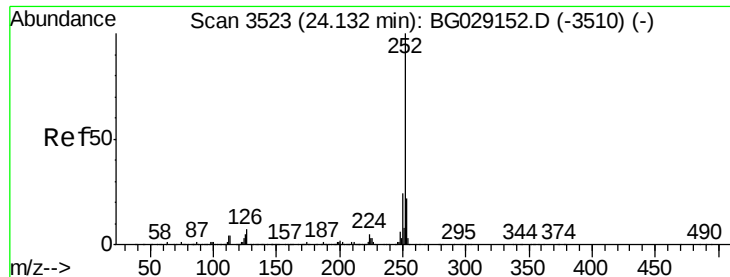


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 21.945 ng/u1

RT: 24.13 min Scan# 3523

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

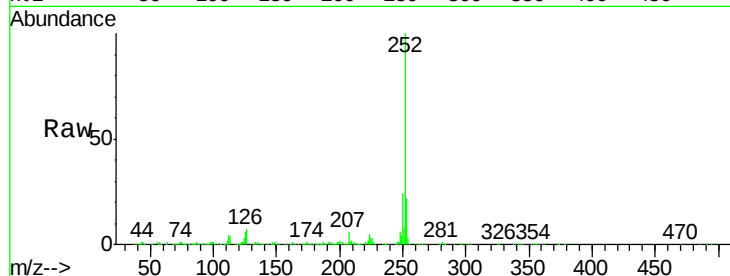
Tgt Ion:252 Resp: 443016

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

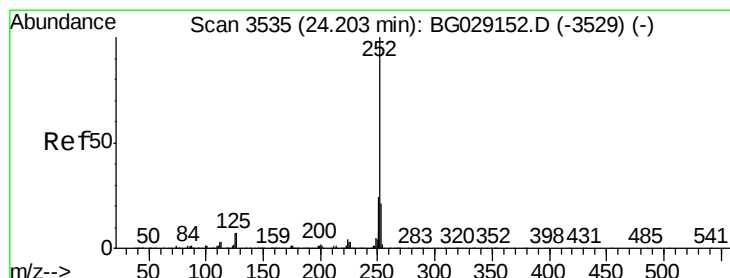
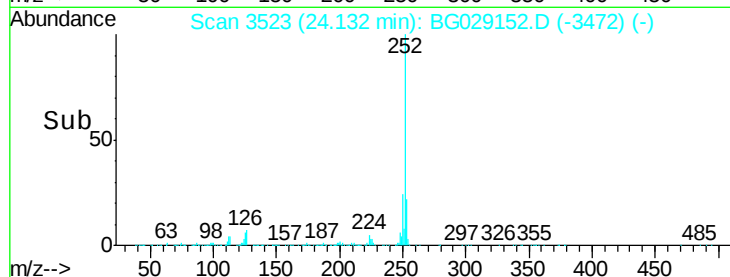
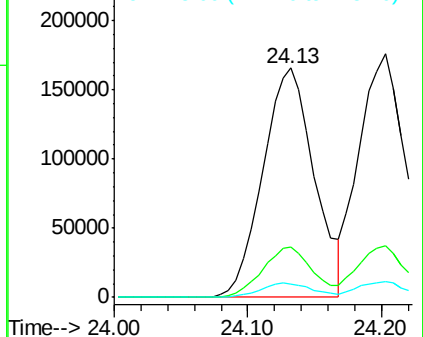
125 5.6 4.5 6.7



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



#25

Benzo(k)fluoranthene

Concen: 22.056 ng/u1

RT: 24.20 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

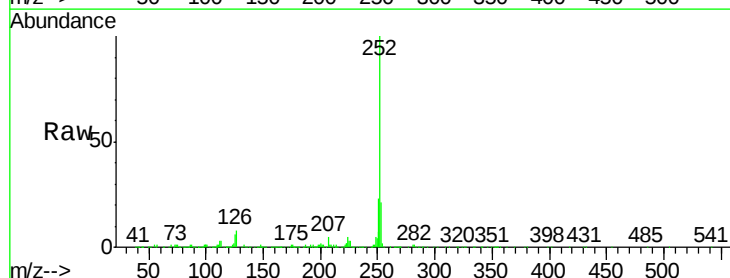
Tgt Ion:252 Resp: 431301

Ion Ratio Lower Upper

252 100

253 21.0 16.8 25.2

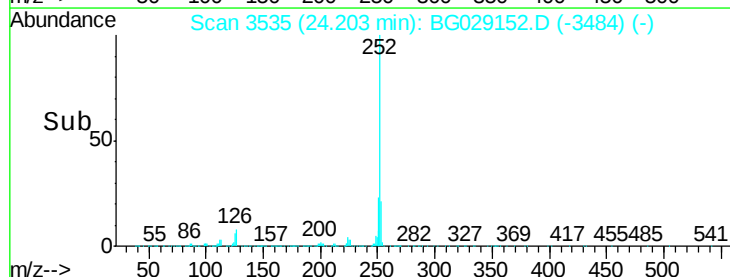
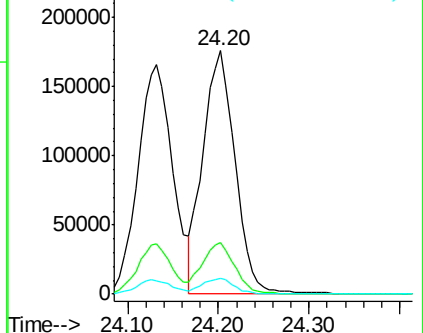
125 6.4 5.1 7.7

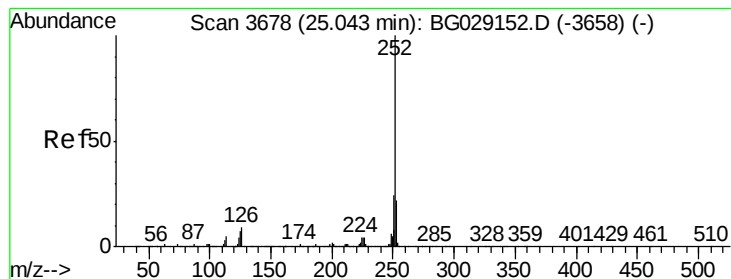


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 21.765 ng/ul

RT: 25.04 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

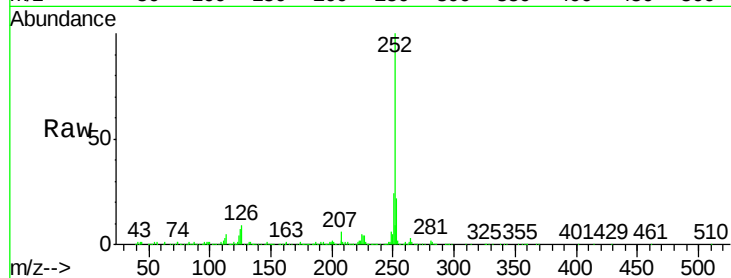
Tgt Ion:252 Resp: 423268

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

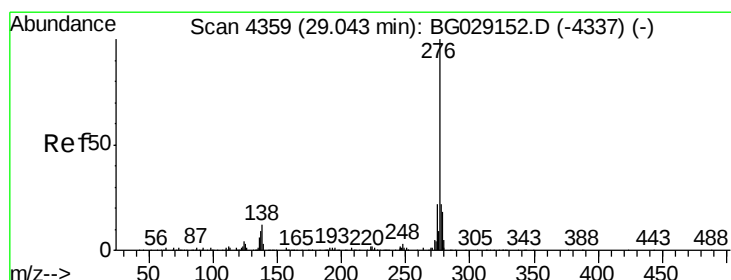
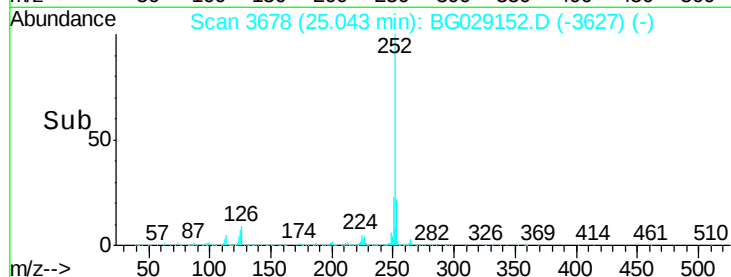
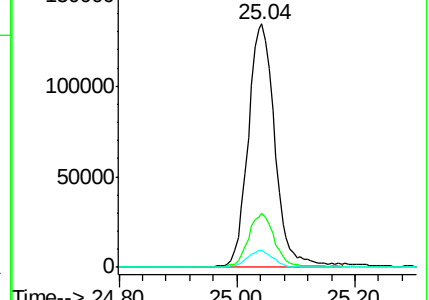
125 6.8 5.4 8.2



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 18.305 ng/ul

RT: 29.04 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

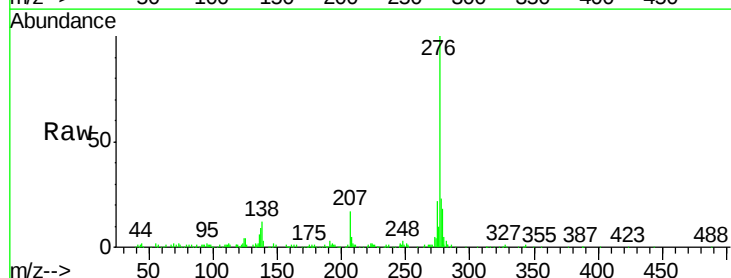
Tgt Ion:276 Resp: 401485

Ion Ratio Lower Upper

276 100

138 11.9 9.5 14.3

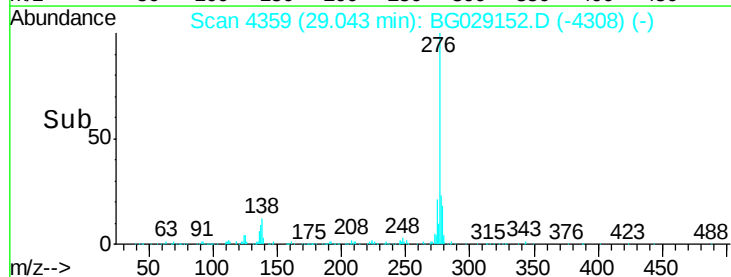
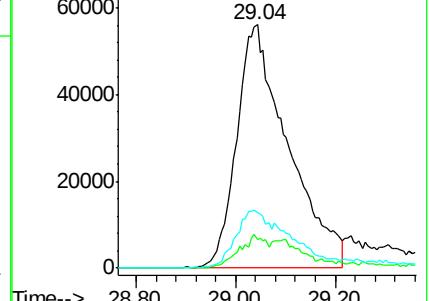
277 22.6 18.1 27.1

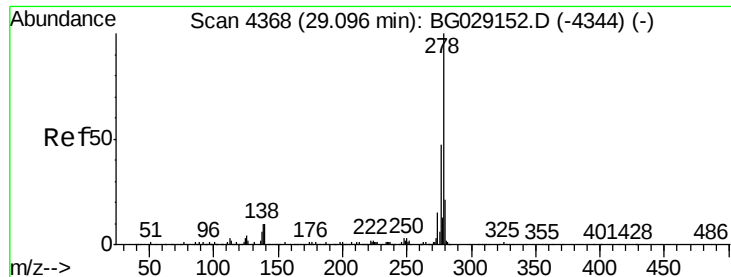


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.034 ng/ul

RT: 29.10 min Scan# 4368

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

Instrument :

BNA_G

ClientSampleId :

SSTD02070

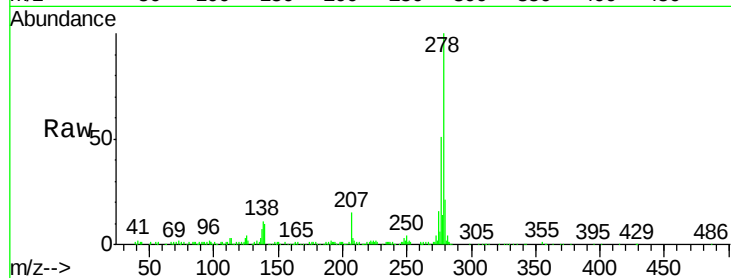
Tgt Ion:278 Resp: 352407

Ion Ratio Lower Upper

278 100

139 10.4 8.3 12.5

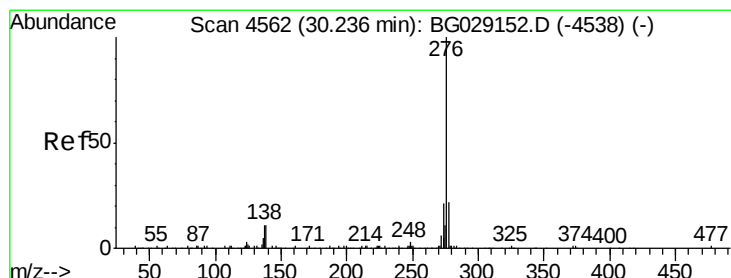
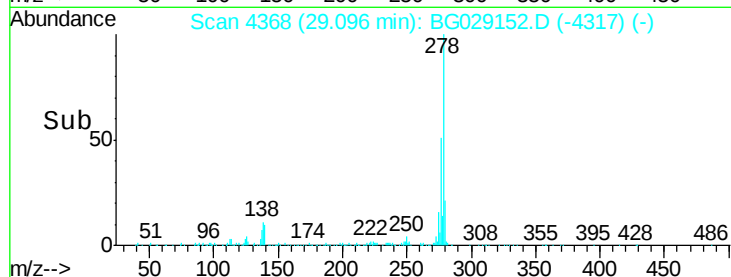
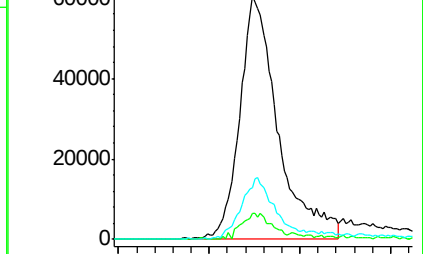
279 21.4 17.1 25.7



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



#30

Benzo(g,h,i)perylene

Concen: 16.327 ng/ul

RT: 30.24 min Scan# 4562

Delta R.T. 0.00 min

Lab File: BG029152.D

Acq: 11 Oct 2017 00:01

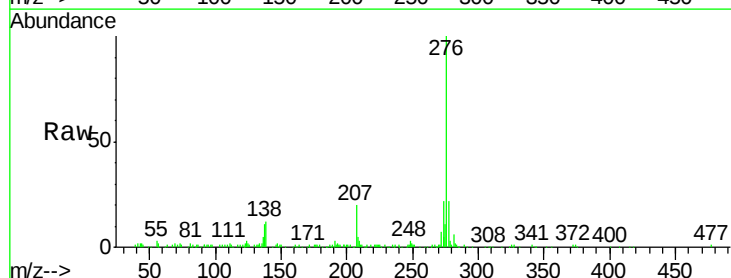
Tgt Ion:276 Resp: 286531

Ion Ratio Lower Upper

276 100

138 11.6 9.3 13.9

277 22.4 17.9 26.9



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

