

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029153.D
 Acq On : 11 Oct 2017 00:41
 Operator : SJ/JU
 Sample : SSTD04071
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04071

Quant Time: Oct 11 04:04:41 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

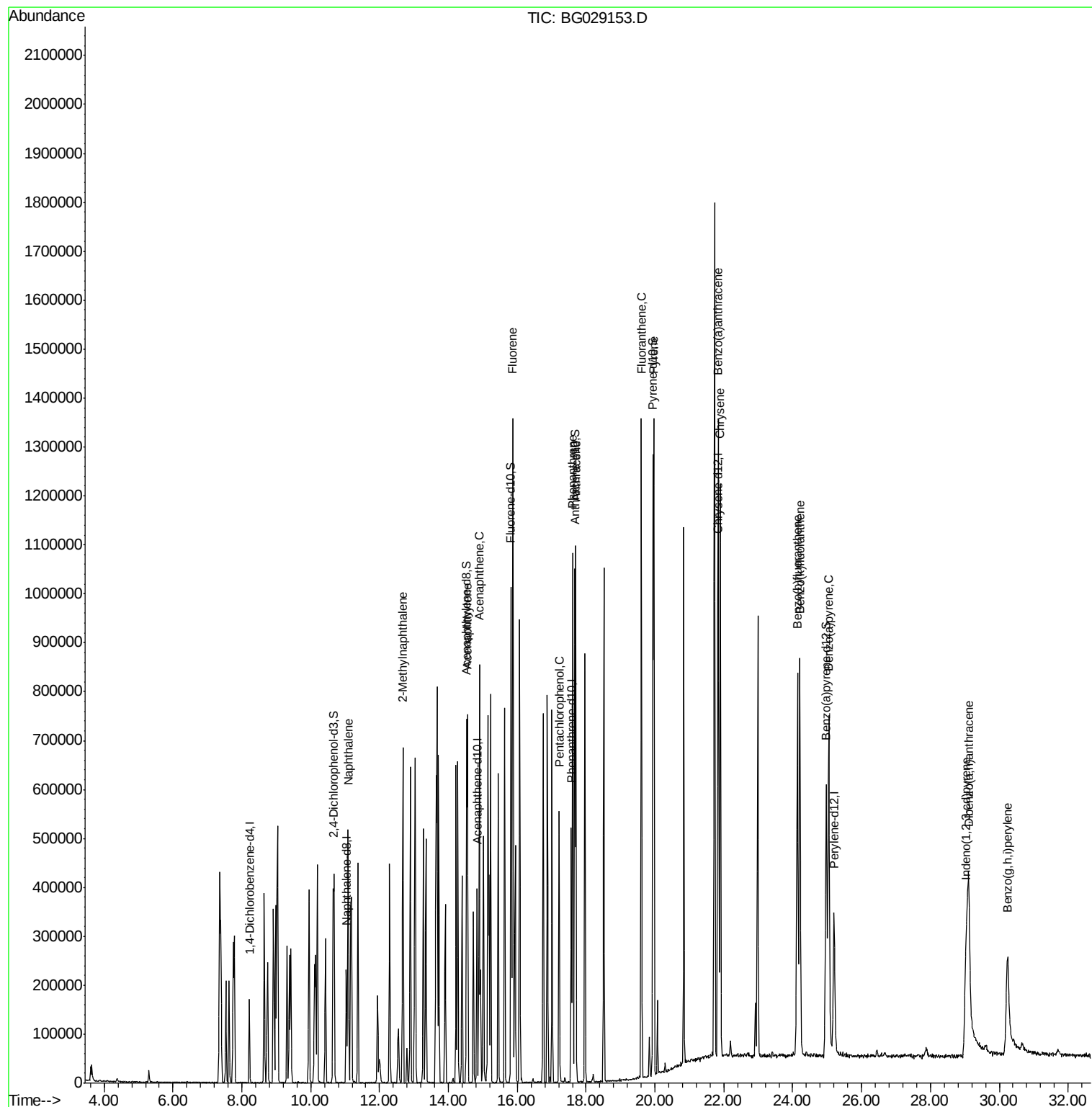
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	46084	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	199258	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	138776	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	328706	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	365207	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	350903	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	153753	42.22	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	549071	38.72	ng/ul	0.00
10) Fluorene-d10	15.82	176	428984	38.11	ng/ul	0.00
15) Anthracene-d10	17.67	188	631489	38.98	ng/ul	0.00
19) Pyrene-d10	19.94	212	746181	38.99	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	703906	41.49	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	11.09	128	420370	41.359	ng/ul	100
5) 2-Methylnaphthalene	12.67	142	323870	40.092	ng/ul	99
8) Acenaphthylene	14.55	152	522769	38.557	ng/ul	99
9) Acenaphthene	14.90	153	365658	39.682	ng/ul	97
11) Fluorene	15.88	166	421165	36.054	ng/ul	98
13) Pentachlorophenol	17.22	266	107552	49.959	ng/ul	98
14) Phenanthrene	17.61	178	692235	40.550	ng/ul	98
16) Anthracene	17.70	178	711444	40.495	ng/ul	99
17) Fluoranthene	19.61	202	851160	41.135	ng/ul	100
20) Pyrene	19.96	202	857614	38.430	ng/ul	98
21) Benzo(a)anthracene	21.83	228	860049	39.355	ng/ul	98
22) Chrysene	21.90	228	780157	39.712	ng/ul	98
24) Benzo(b)fluoranthene	24.14	252	870668	40.190	ng/ul	99
25) Benzo(k)fluoranthene	24.21	252	843621	40.202	ng/ul	98
27) Benzo(a)pyrene	25.05	252	857410	41.085	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	29.04	276	817903	34.751	ng/ul	97
29) Dibenzo(a,h)anthracene	29.11	278	731512	36.817	ng/ul	97
30) Benzo(g,h,i)perylene	30.25	276	551417	29.279	ng/ul	99

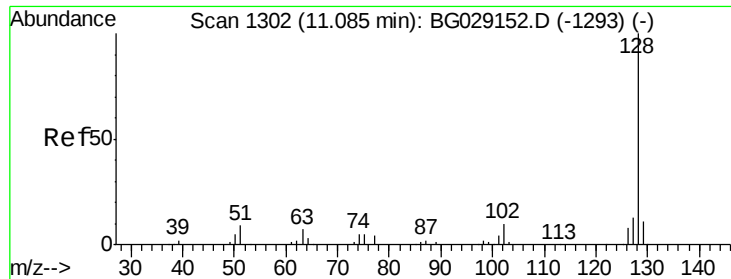
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 41.359 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

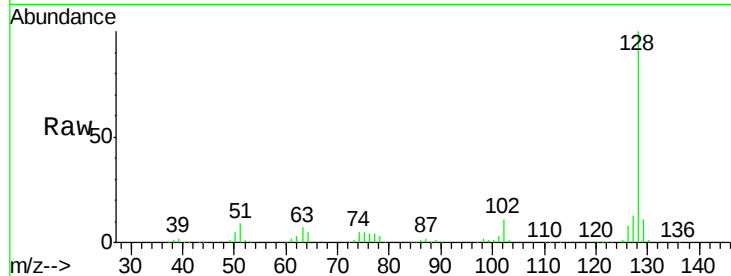
Tgt Ion:128 Resp: 420370

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

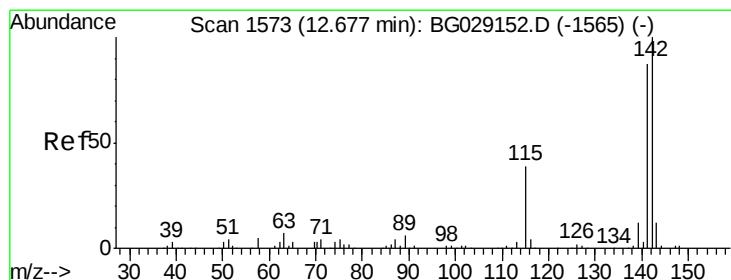
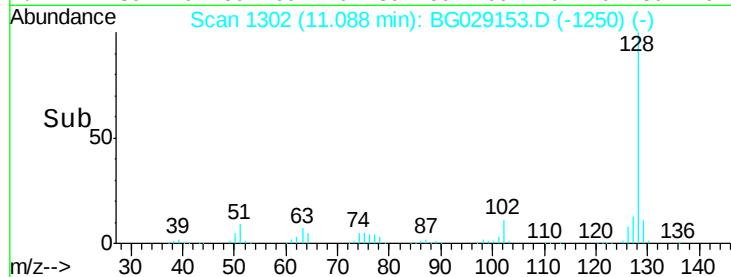
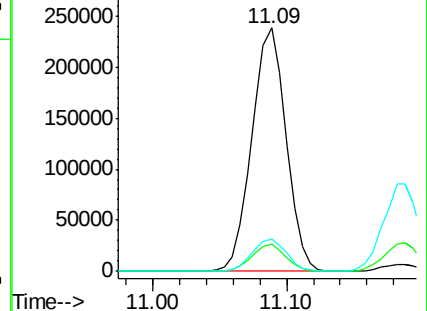
127 13.3 10.6 15.8



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: 40.092 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BG029153.D

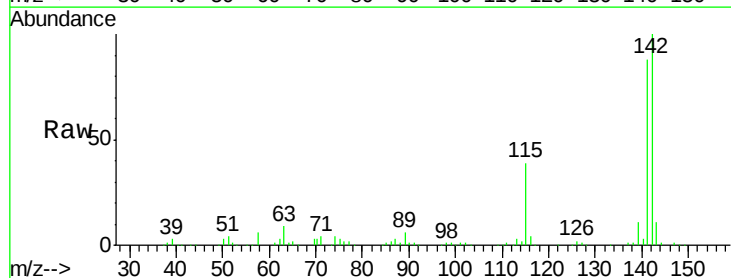
Acq: 11 Oct 2017 00:41

Tgt Ion:142 Resp: 323870

Ion Ratio Lower Upper

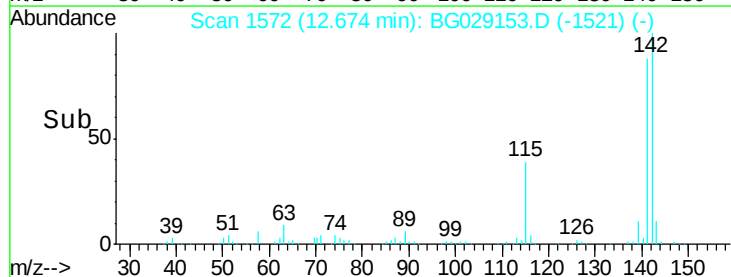
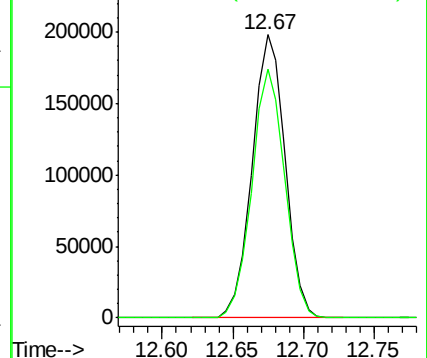
142 100

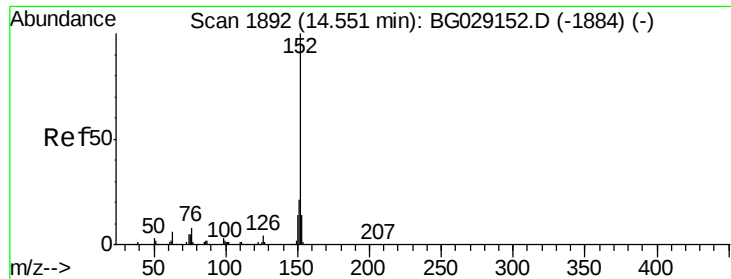
141 88.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 38.557 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

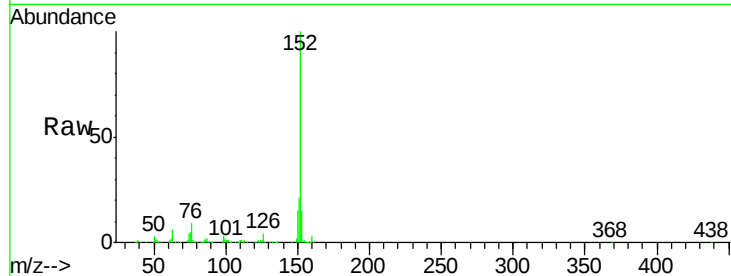
Tgt Ion:152 Resp: 522769

Ion Ratio Lower Upper

152 100

151 21.4 16.5 24.7

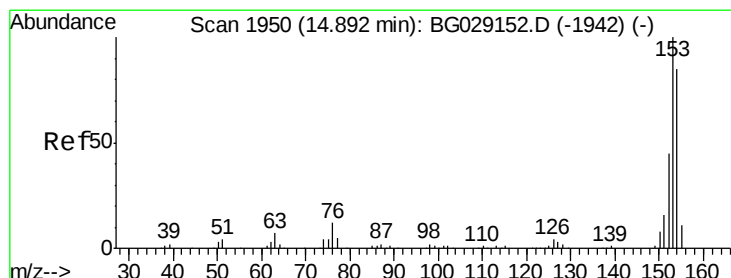
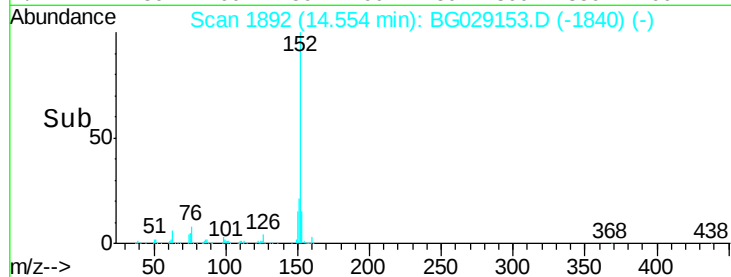
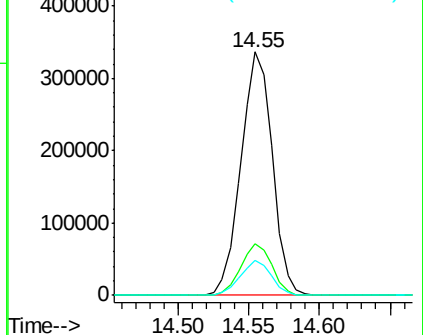
153 14.6 11.3 16.9



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: 39.682 ng/ul

RT: 14.90 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

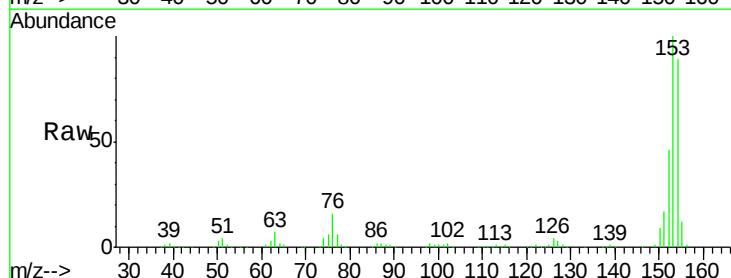
Tgt Ion:153 Resp: 365658

Ion Ratio Lower Upper

153 100

152 46.3 36.2 54.4

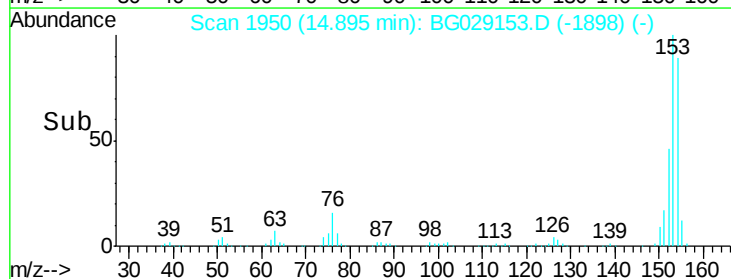
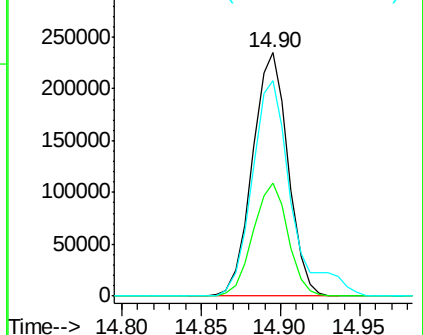
154 88.7 68.4 102.6

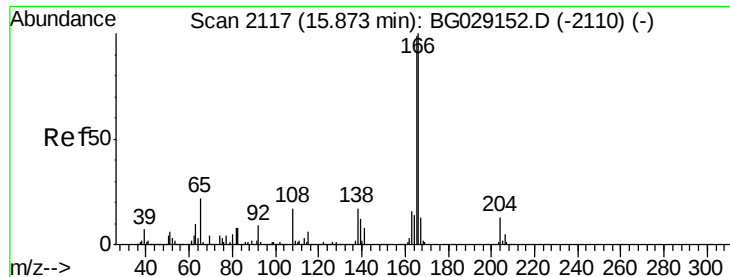


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 36.054 ng/ul

RT: 15.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

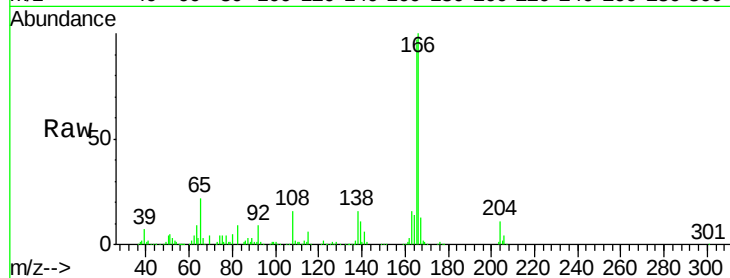
Tgt Ion:166 Resp: 421165

Ion Ratio Lower Upper

166 100

165 97.3 79.4 119.0

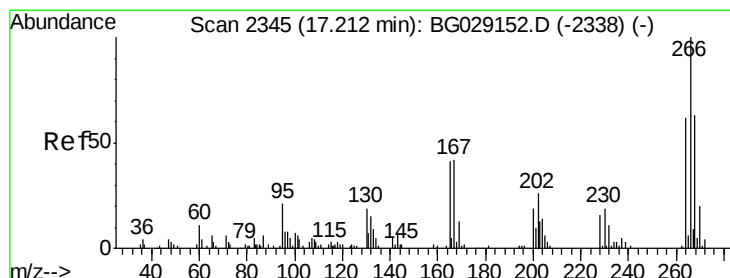
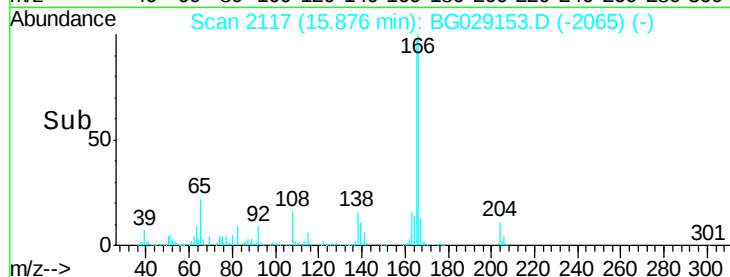
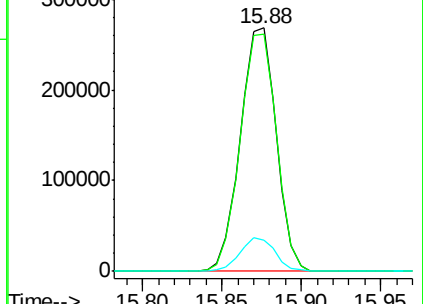
167 12.7 10.2 15.4



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: 49.959 ng/ul

RT: 17.22 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

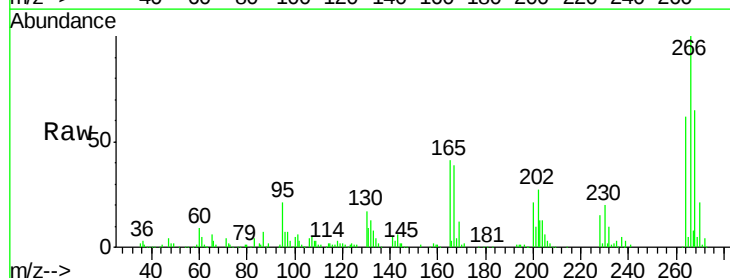
Tgt Ion:266 Resp: 107552

Ion Ratio Lower Upper

266 100

264 62.1 49.8 74.8

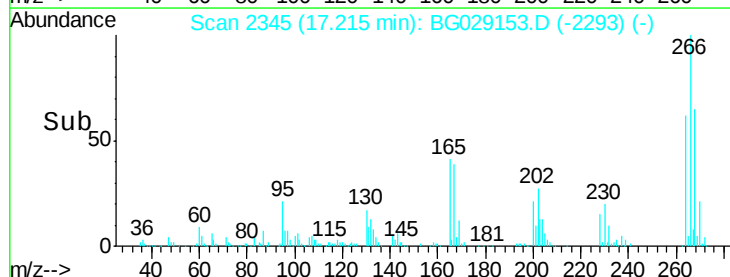
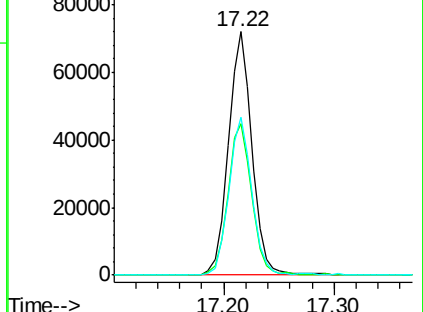
268 64.7 50.0 75.0

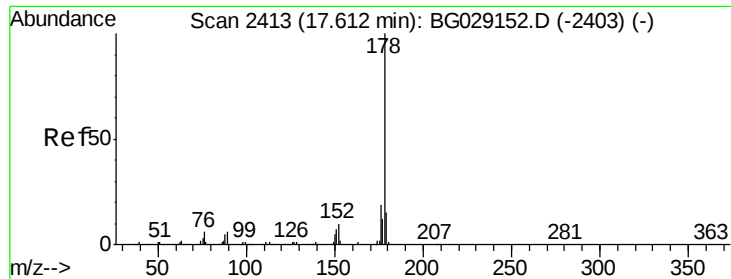


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 40.550 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

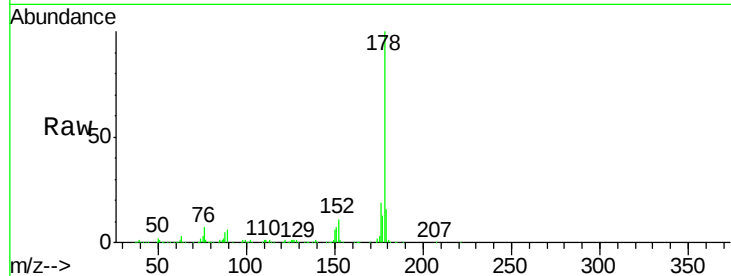
Tgt Ion:178 Resp: 692235

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.2

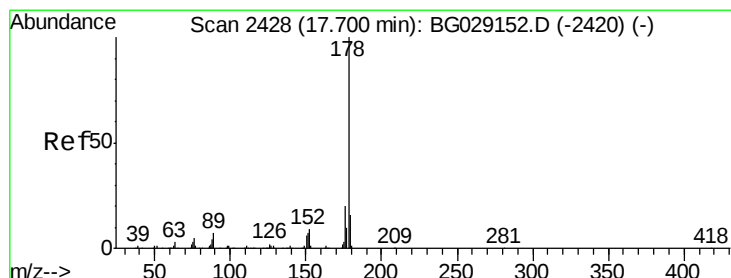
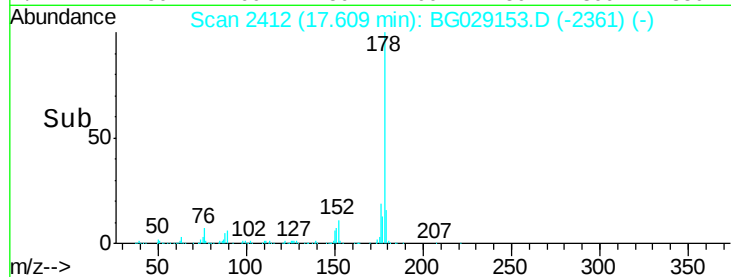
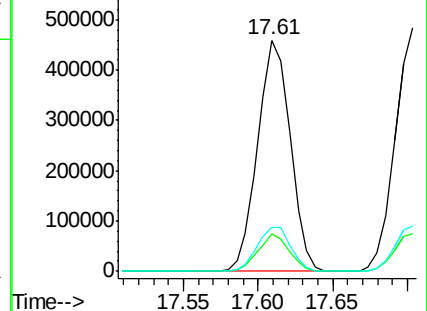
176 19.2 15.0 22.6



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



#16

Anthracene

Concen: 40.495 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

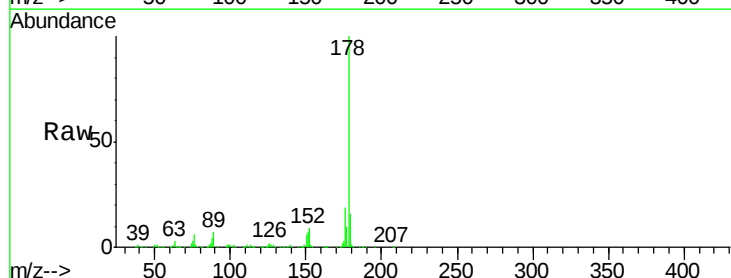
Tgt Ion:178 Resp: 711444

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

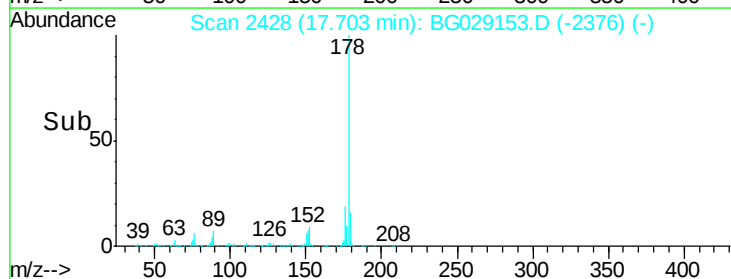
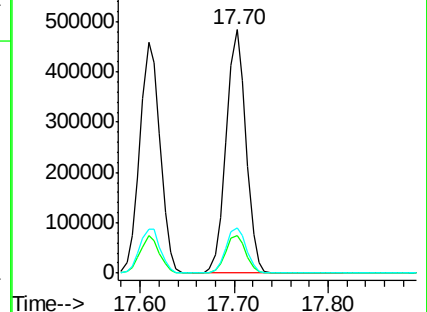
176 18.7 15.7 23.5

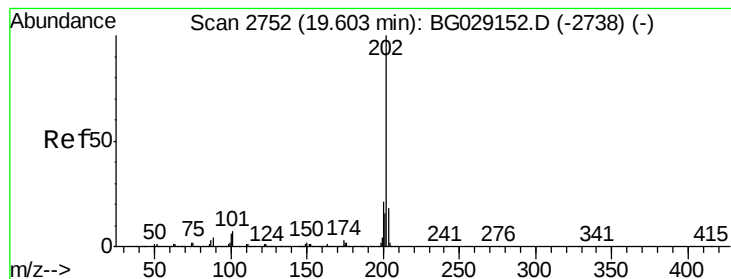


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 41.135 ng/ul

RT: 19.61 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

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ClientSampleId :

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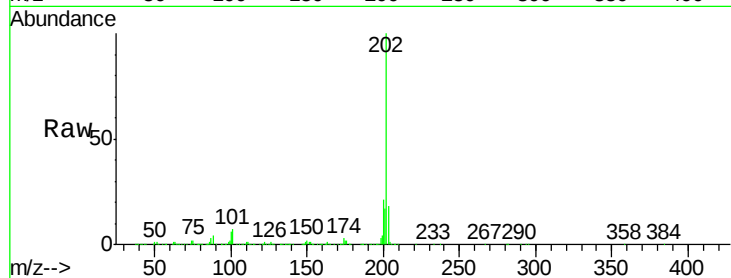
Tgt Ion:202 Resp: 851160

Ion Ratio Lower Upper

202 100

101 7.1 5.6 8.4

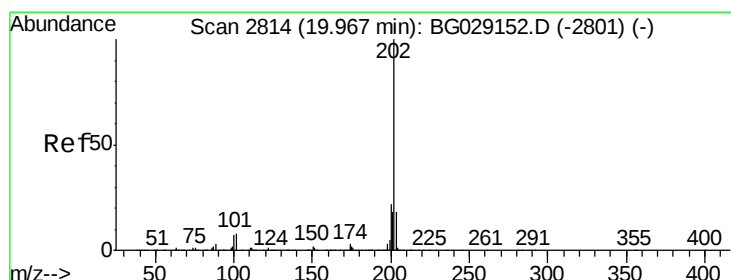
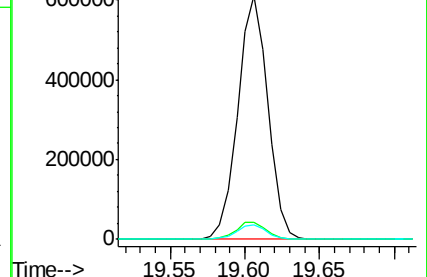
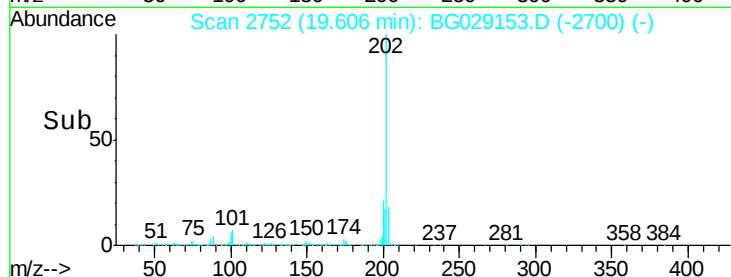
100 5.9 4.7 7.1



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



#20

Pyrene

Concen: 38.430 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

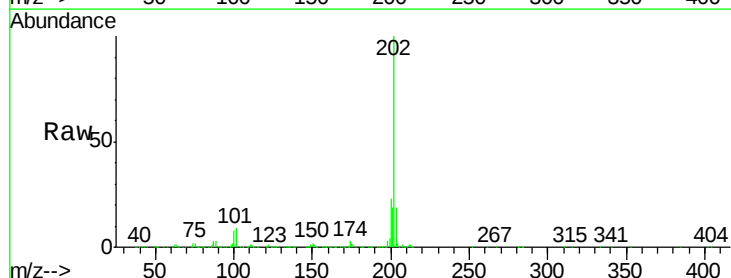
Tgt Ion:202 Resp: 857614

Ion Ratio Lower Upper

202 100

101 8.9 6.5 9.7

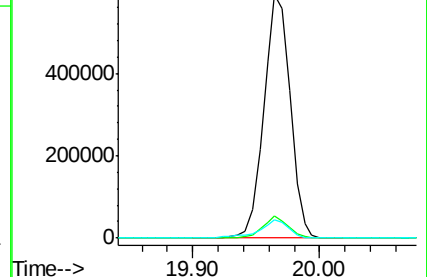
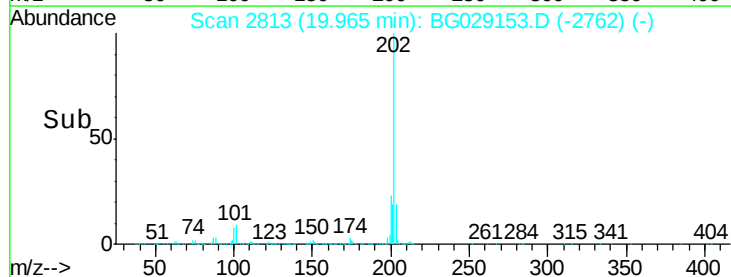
100 7.7 5.5 8.3

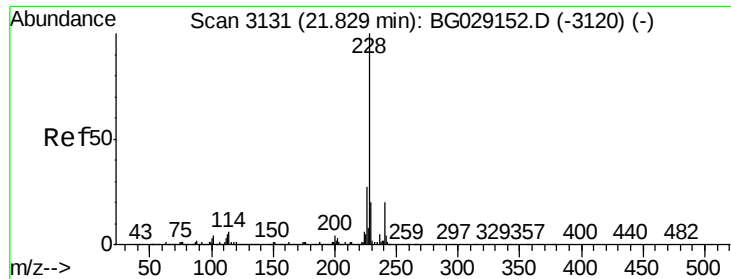


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 39.355 ng/ul

RT: 21.83 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

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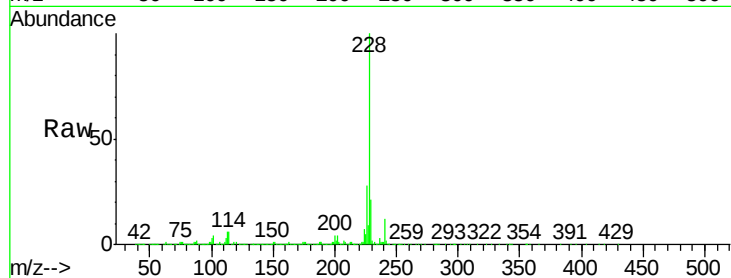
Tgt Ion:228 Resp: 860049

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.8

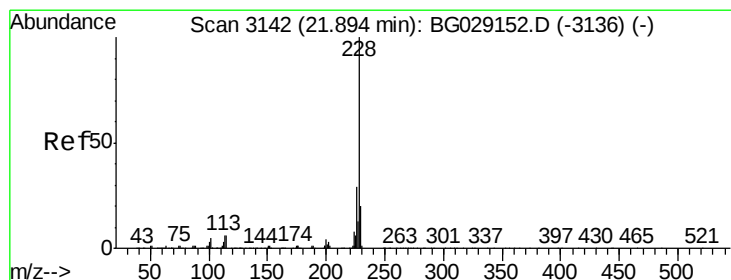
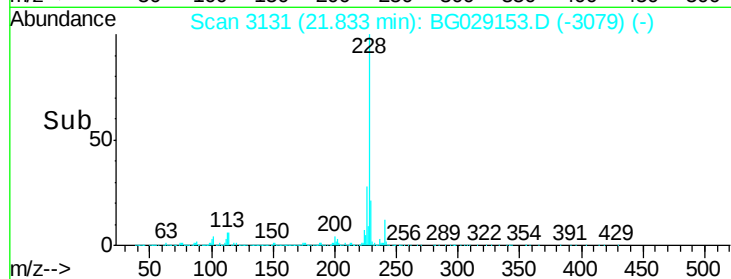
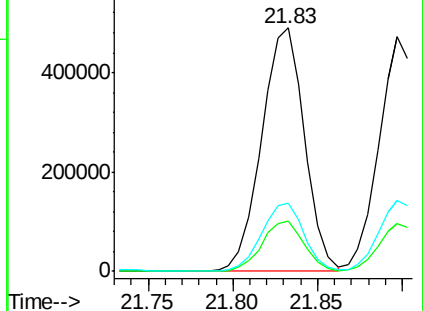
226 27.8 21.6 32.4



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: 39.712 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

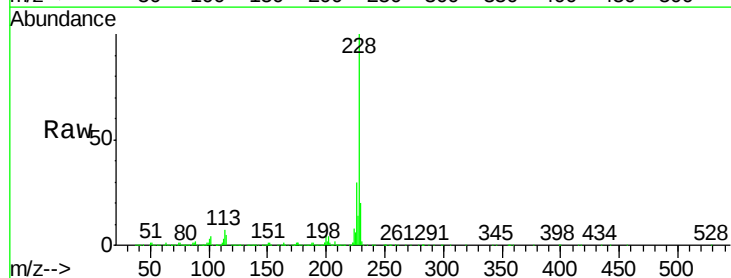
Tgt Ion:228 Resp: 780157

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

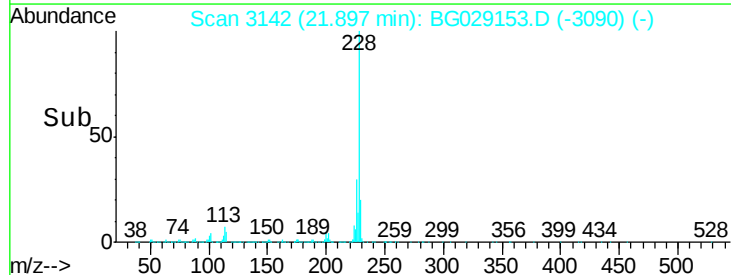
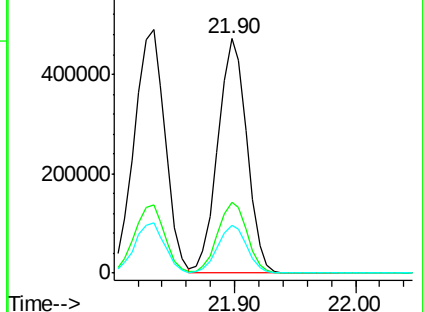
229 20.4 15.7 23.5

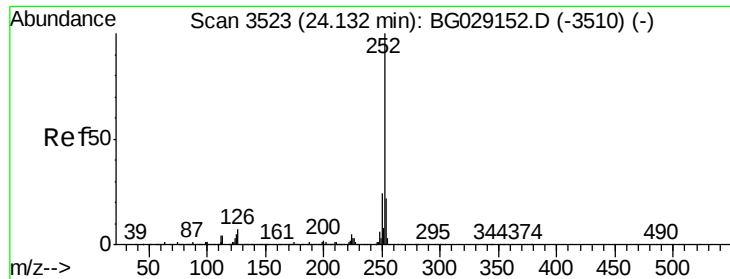


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 40.190 ng/u1

RT: 24.14 min Scan# 3523

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

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SSTD04071

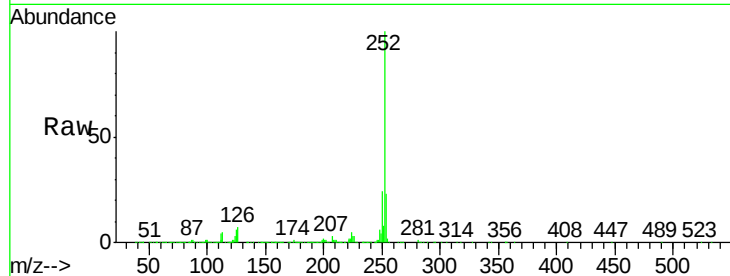
Tgt Ion:252 Resp: 870668

Ion Ratio Lower Upper

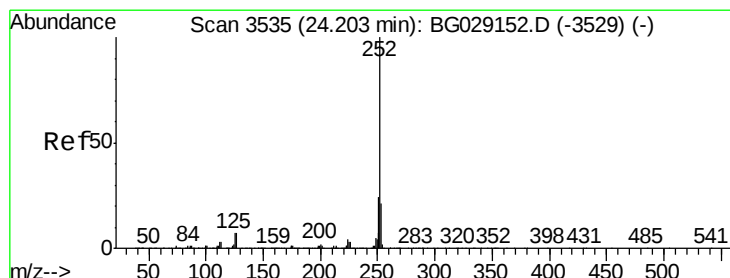
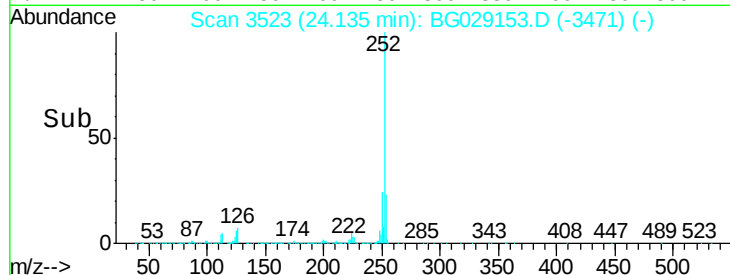
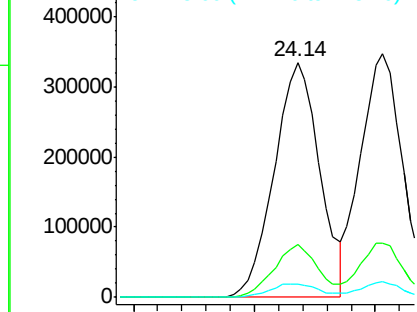
252 100

253 22.7 17.6 26.4

125 5.9 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: 40.202 ng/u1

RT: 24.21 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

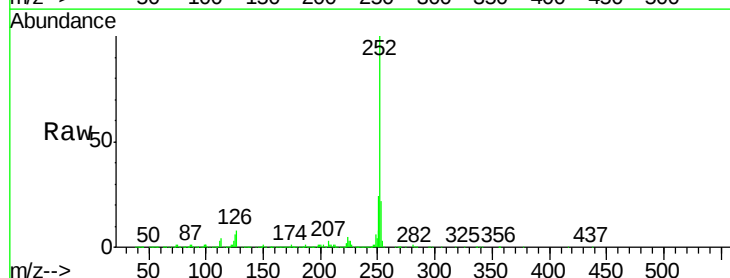
Tgt Ion:252 Resp: 843621

Ion Ratio Lower Upper

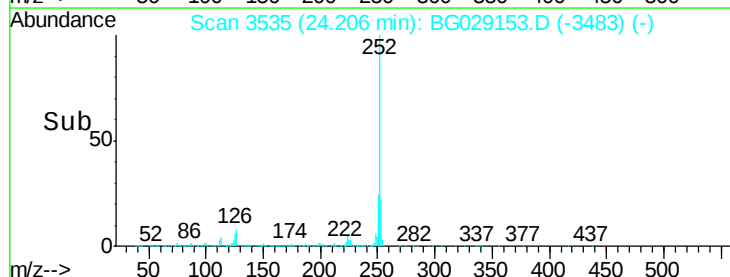
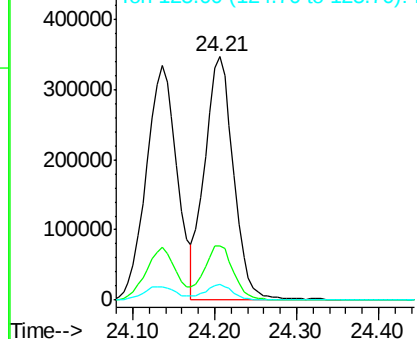
252 100

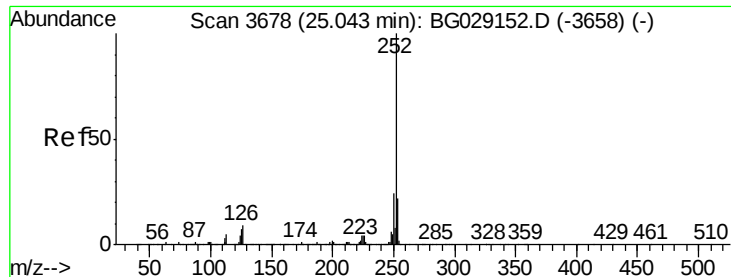
253 22.3 16.8 25.2

125 6.5 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: 41.085 ng/ul

RT: 25.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

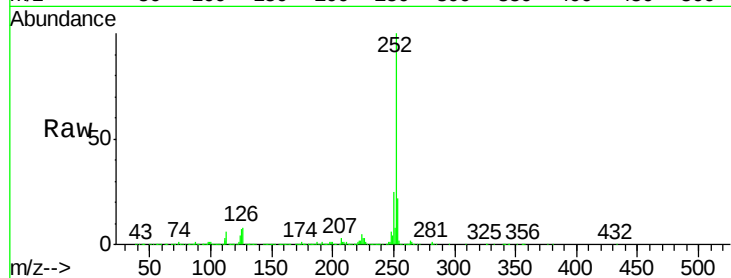
Tgt Ion:252 Resp: 857410

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

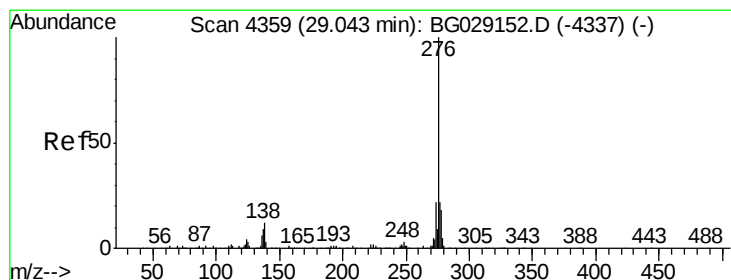
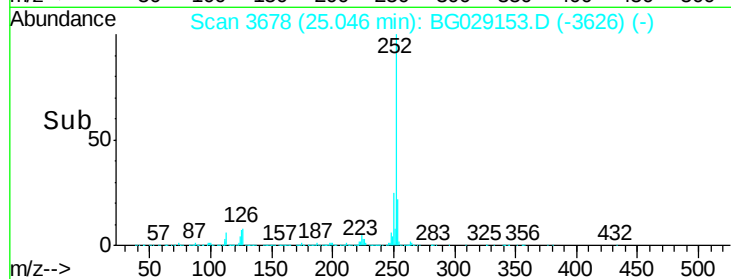
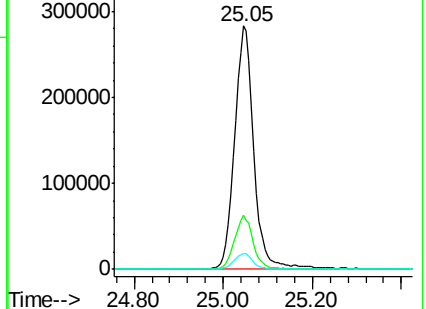
125 6.6 5.4 8.2



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: 34.751 ng/ul

RT: 29.04 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

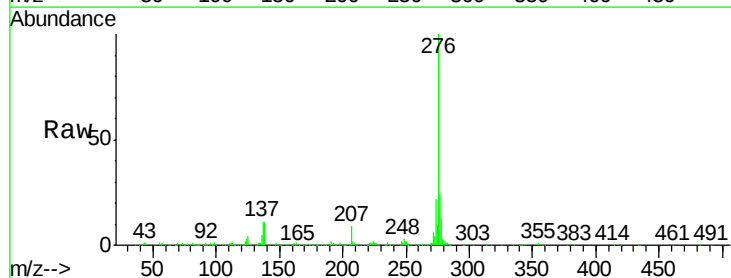
Tgt Ion:276 Resp: 817903

Ion Ratio Lower Upper

276 100

138 11.5 9.5 14.3

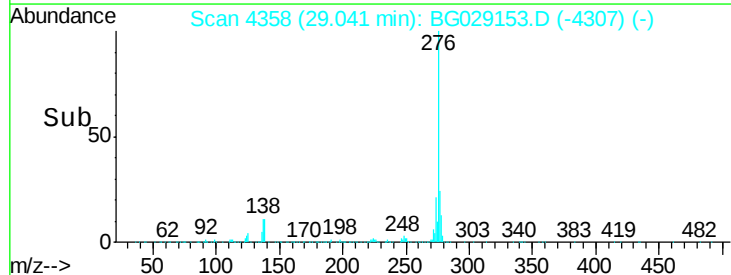
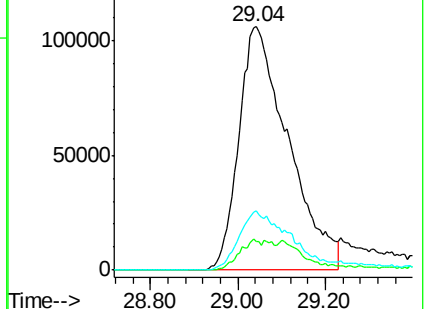
277 24.2 18.1 27.1

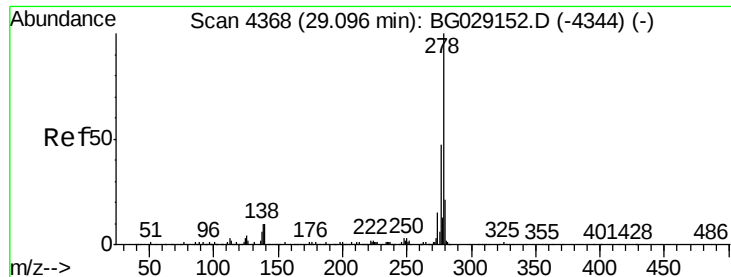


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 36.817 ng/ul

RT: 29.11 min Scan# 4370

Delta R.T. 0.02 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

Instrument :

BNA_G

ClientSampleId :

SSTD04071

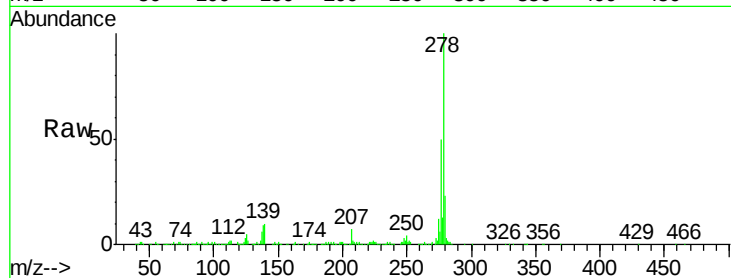
Tgt Ion:278 Resp: 731512

Ion Ratio Lower Upper

278 100

139 10.2 8.3 12.5

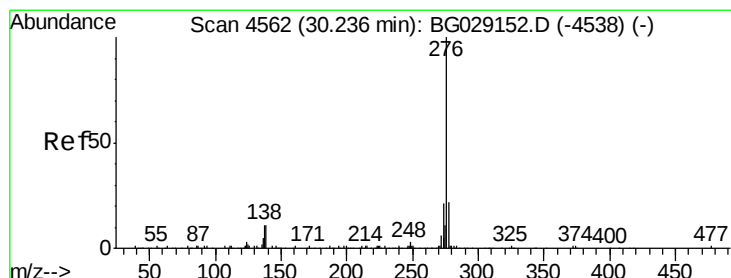
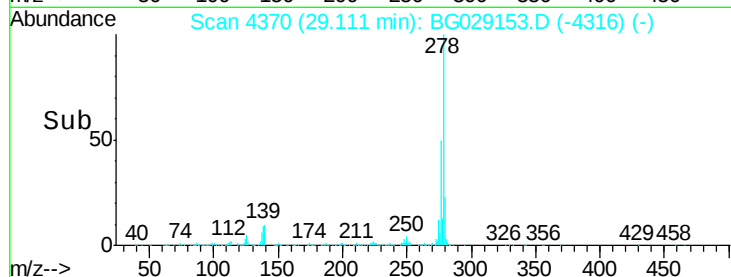
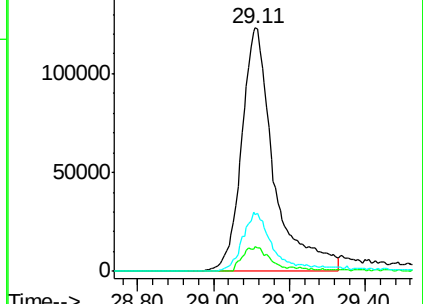
279 23.4 17.1 25.7



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: 29.279 ng/ul

RT: 30.25 min Scan# 4564

Delta R.T. 0.02 min

Lab File: BG029153.D

Acq: 11 Oct 2017 00:41

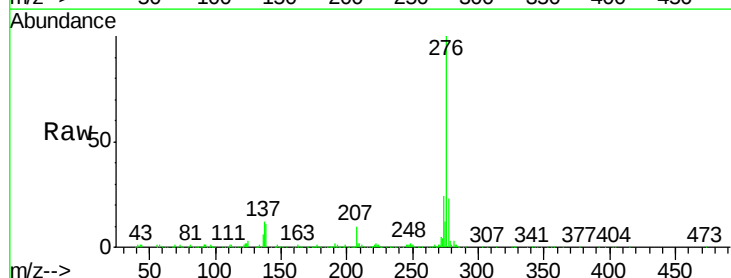
Tgt Ion:276 Resp: 551417

Ion Ratio Lower Upper

276 100

138 10.9 9.3 13.9

277 22.9 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

