

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029155.D
 Acq On : 11 Oct 2017 2:01
 Operator : SJ/JU
 Sample : SSTD16073
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD16073

Quant Time: Oct 11 04:05:07 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

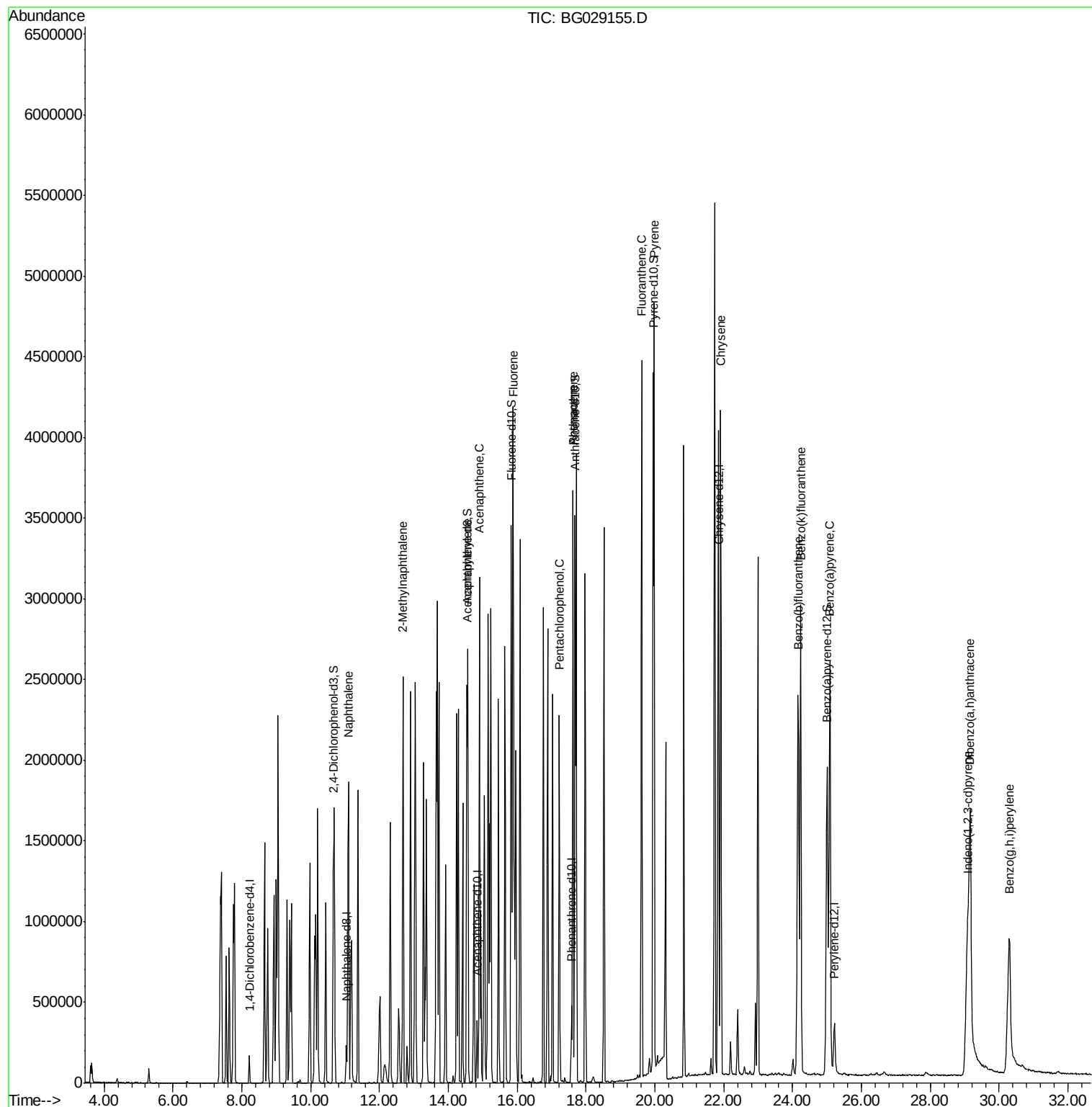
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	46934	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	201381	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	137551	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	325721	20.00	ng/ul	0.01
18) Chrysene-d12	21.86	240	360246	20.00	ng/ul	0.01
23) Perylene-d12	25.22	264	345476	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.66	165	598747	162.68	ng/ul	0.01
7) Acenaphthylene-d8	14.54	160	2007039	142.80	ng/ul	0.01
10) Fluorene-d10	15.82	176	1624010	145.56	ng/ul	0.01
15) Anthracene-d10	17.68	188	2259964	140.79	ng/ul	0.02
19) Pyrene-d10	19.95	212	2628955	139.24	ng/ul	0.01
26) Benzo(a)pyrene-d12	25.00	264	2701523	161.73	ng/ul	0.03
Target Compounds				Qvalue		
4) Naphthalene	11.10	128	1566572	152.506	ng/ul	98
5) 2-Methylnaphthalene	12.68	142	1194334	146.289	ng/ul	98
8) Acenaphthylene	14.57	152	1866123	138.864	ng/ul	94
9) Acenaphthene	14.90	153	1366531	149.619	ng/ul	96
11) Fluorene	15.88	166	1537961	132.829	ng/ul	99
13) Pentachlorophenol	17.22	266	443600	207.944	ng/ul	96
14) Phenanthrene	17.62	178	2437708	144.106	ng/ul#	92
16) Anthracene	17.62	178	2437708	140.025	ng/ul	93
17) Fluoranthene	19.61	202	2865120	139.736	ng/ul#	96
20) Pyrene	19.98	202	2830114	128.563	ng/ul#	93
22) Chrysene	21.91	228	2755591	142.198	ng/ul#	89
24) Benzo(b)fluoranthene	24.16	252	3300191	154.730	ng/ul	96
25) Benzo(k)fluoranthene	24.24	252	3035296	146.917	ng/ul	94
27) Benzo(a)pyrene	25.08	252	3142121	152.928	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	29.08	276	3458359	149.246	ng/ul	98
29) Dibenzo(a,h)anthracene	29.16	278	2871670	146.804	ng/ul	95
30) Benzo(g,h,i)perylene	30.29	276	2537292	136.842	ng/ul	98

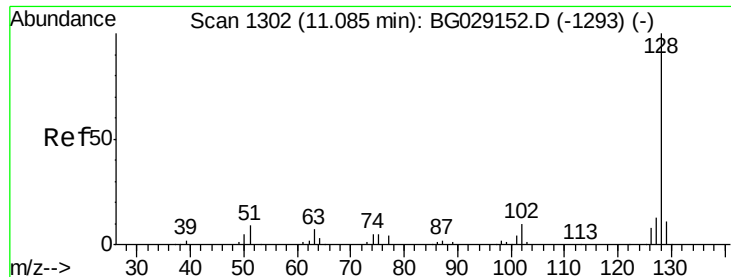
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 152.506 ng/ul

RT: 11.10 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

SSTD16073

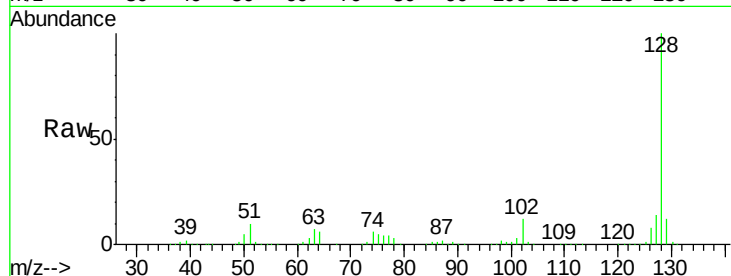
Tgt Ion:128 Resp: 1566572

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.4

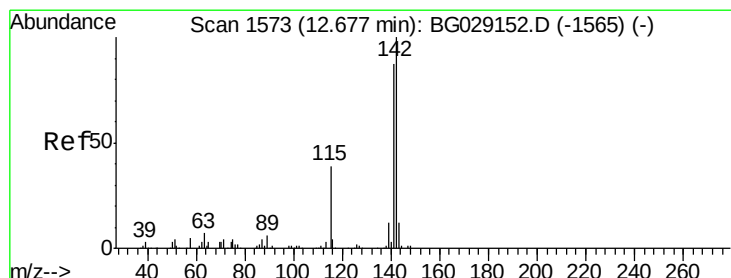
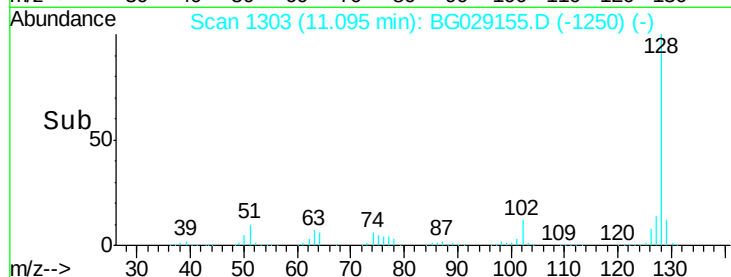
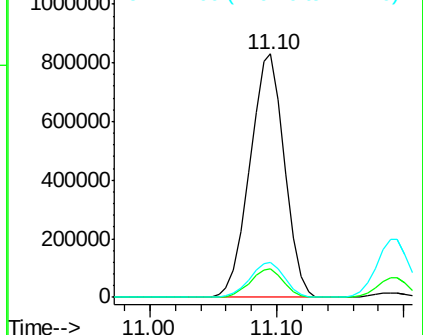
127 14.2 10.6 15.8



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: 146.289 ng/ul

RT: 12.68 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BG029155.D

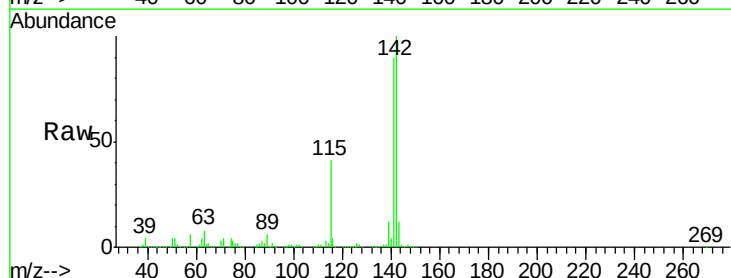
Acq: 11 Oct 2017 2:01

Tgt Ion:142 Resp: 1194334

Ion Ratio Lower Upper

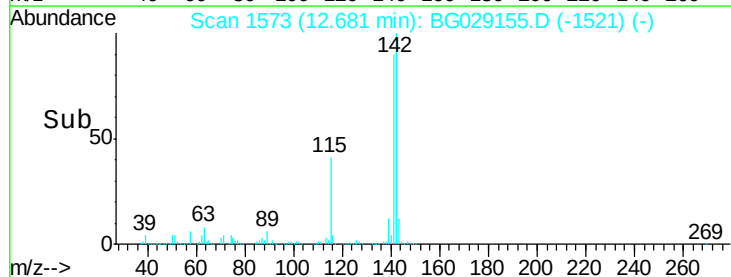
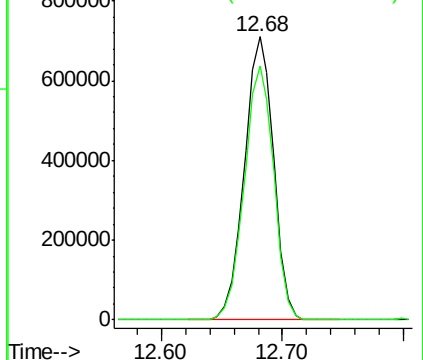
142 100

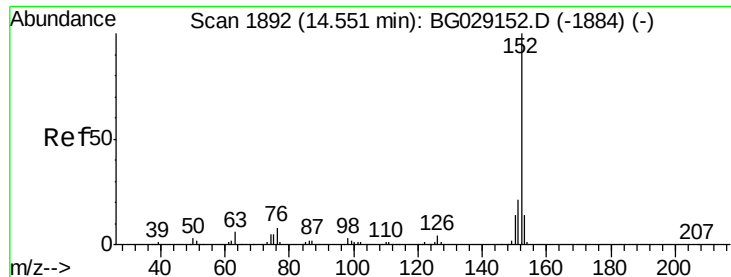
141 89.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 138.864 ng/ul

RT: 14.57 min Scan# 1894

Delta R.T. 0.02 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

SSTD16073

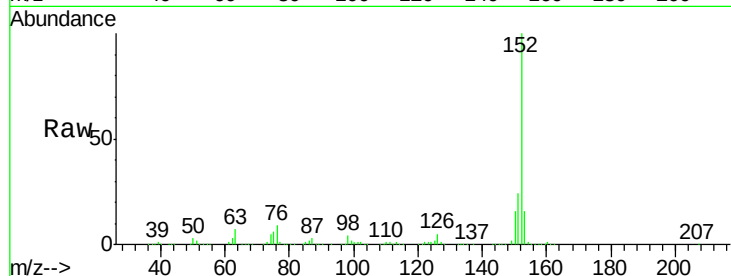
Tgt Ion:152 Resp: 1866123

Ion Ratio Lower Upper

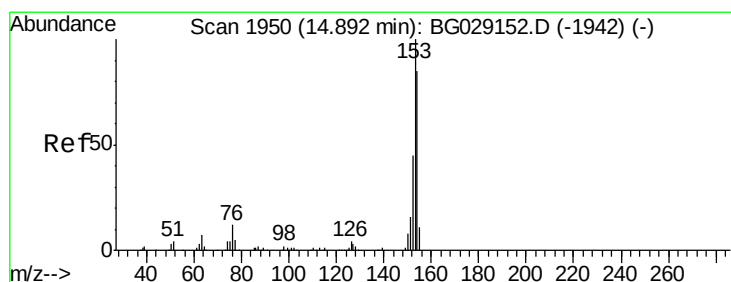
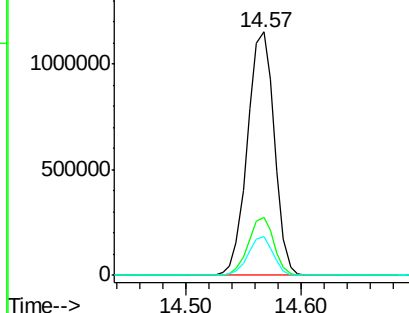
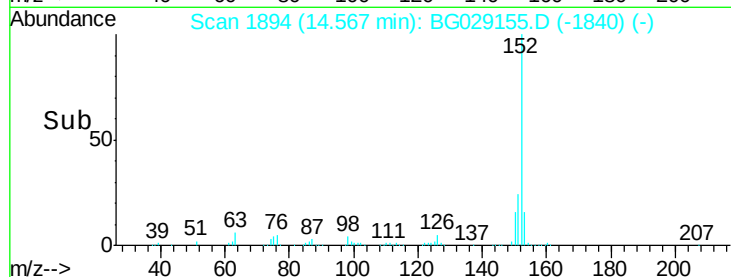
152 100

151 24.0 16.5 24.7

153 15.7 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: 149.619 ng/ul

RT: 14.90 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

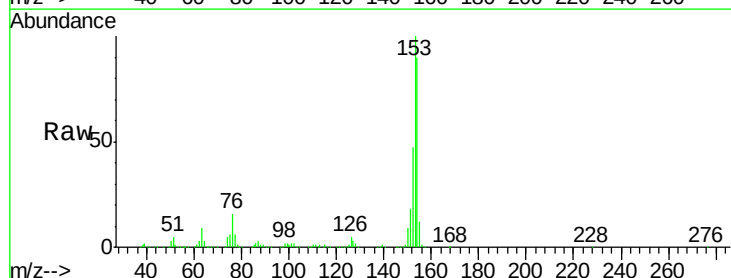
Tgt Ion:153 Resp: 1366531

Ion Ratio Lower Upper

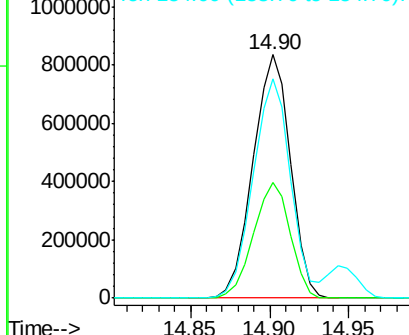
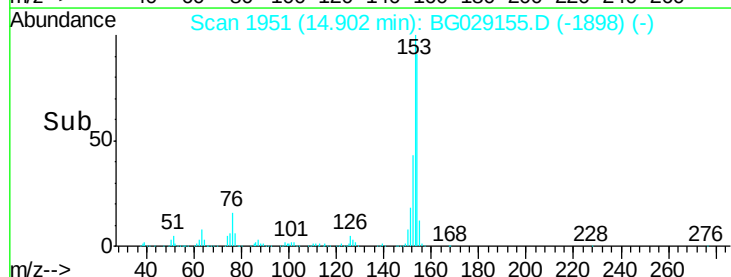
153 100

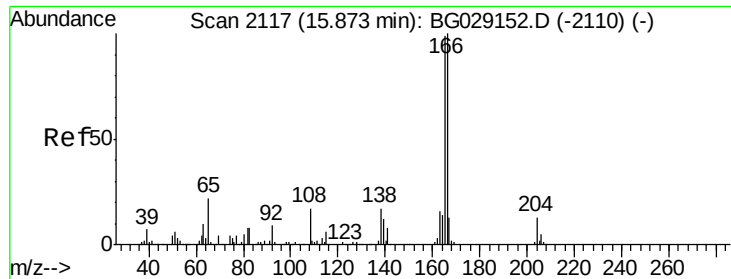
152 47.2 36.2 54.4

154 90.2 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

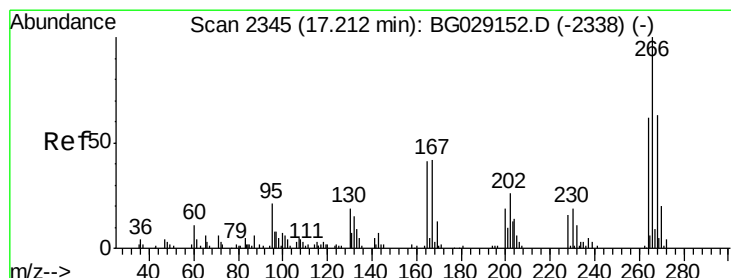
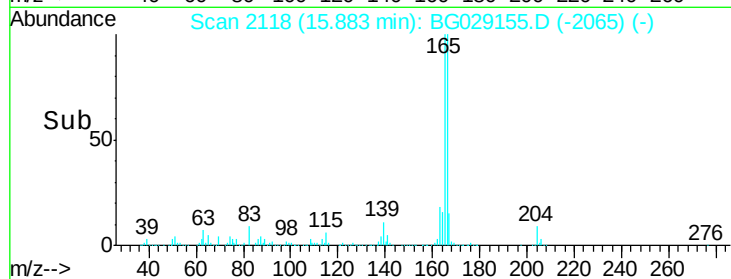
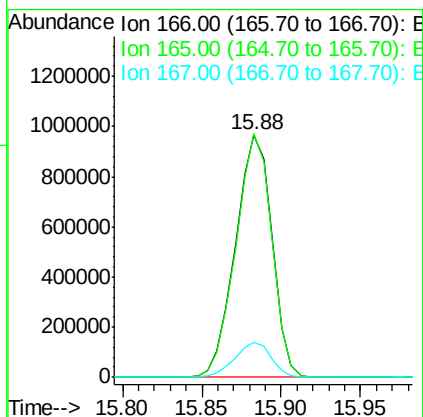
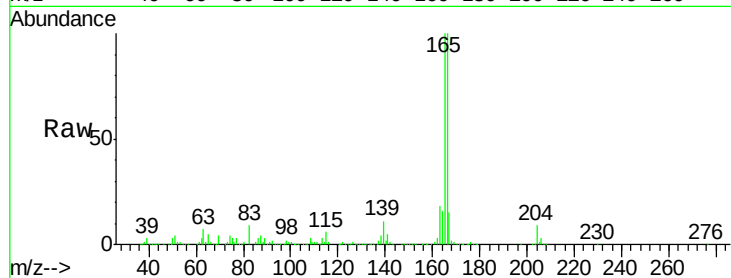




#11
 Fluorene
 Concen: 132.829 ng/ul
 RT: 15.88 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: BG029155.D
 Acq: 11 Oct 2017 2:01

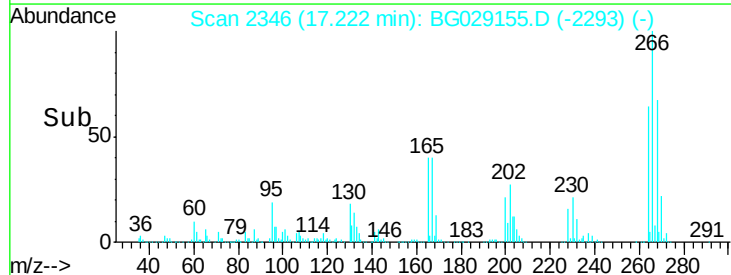
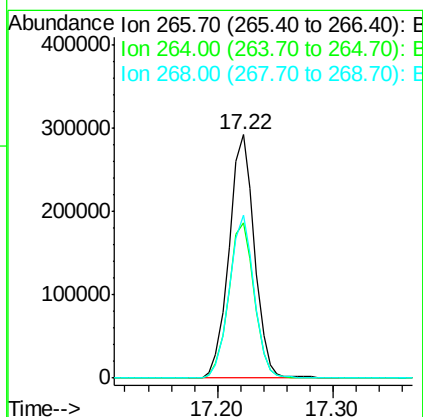
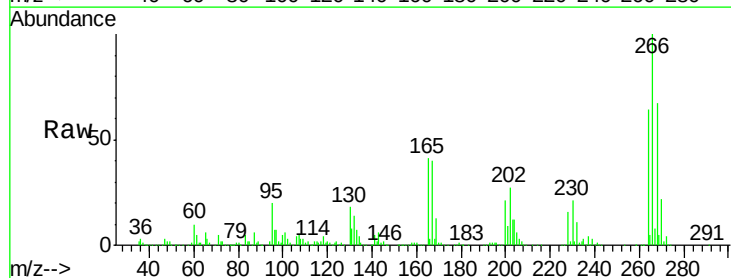
Instrument :
 BNA_G
 ClientSampleId :
 SSTD16073

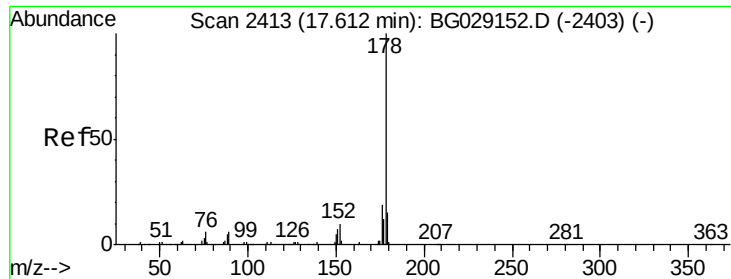
Tgt Ion:166 Resp: 1537961
 Ion Ratio Lower Upper
 166 100
 165 100.2 79.4 119.0
 167 14.6 10.2 15.4



#13
 Pentachlorophenol
 Concen: 207.944 ng/ul
 RT: 17.22 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: BG029155.D
 Acq: 11 Oct 2017 2:01

Tgt Ion:266 Resp: 443600
 Ion Ratio Lower Upper
 266 100
 264 63.8 49.8 74.8
 268 66.7 50.0 75.0

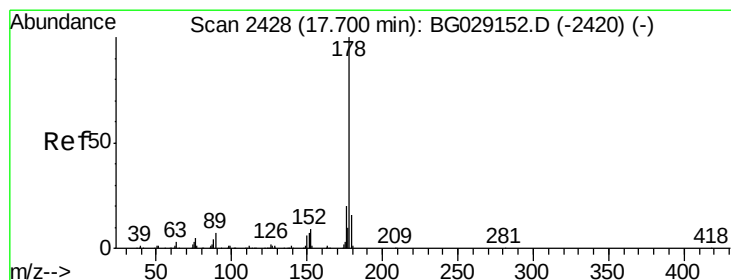
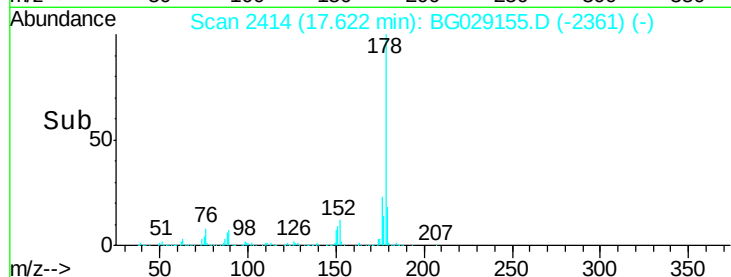
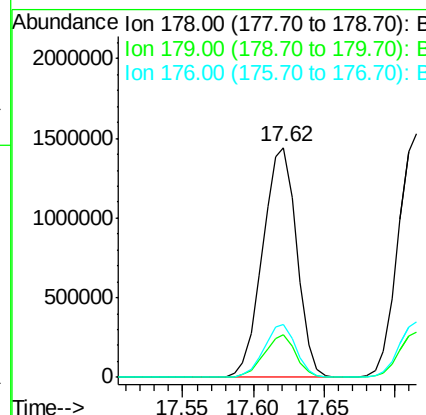
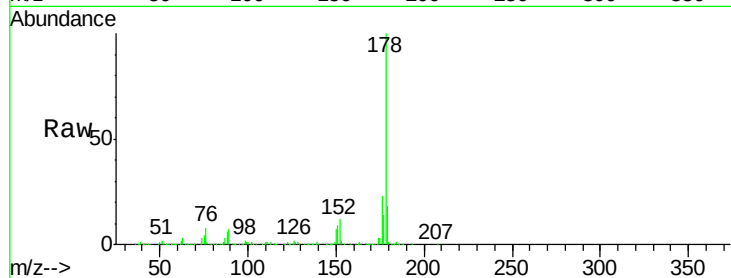




#14
Phenanthrene
Concen: 144.106 ng/ul
RT: 17.62 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BG029155.D
Acq: 11 Oct 2017 2:01

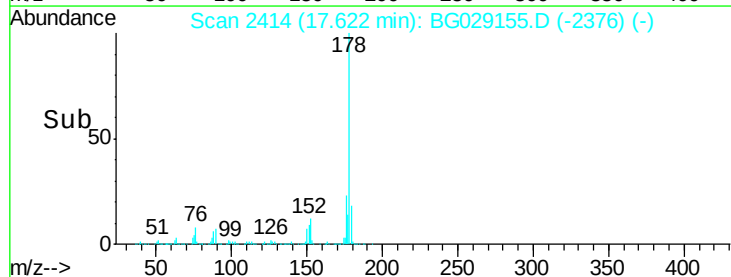
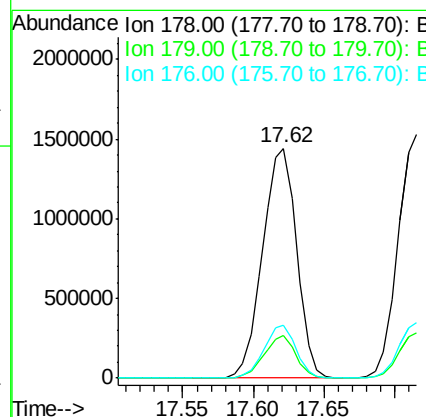
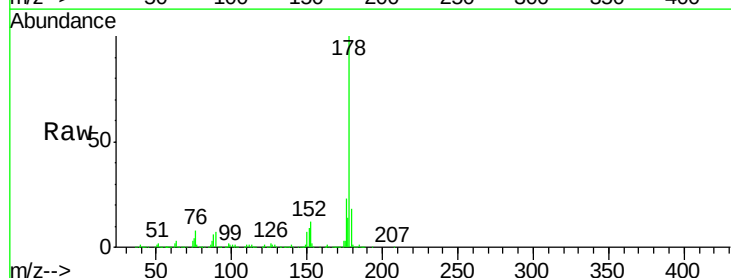
Instrument :
BNA_G
ClientSampleId :
SSTD16073

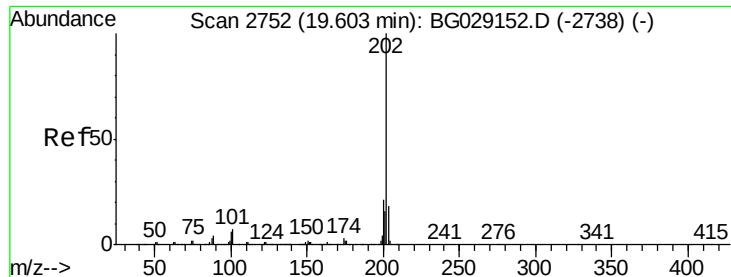
Tgt Ion:178 Resp: 2437708
Ion Ratio Lower Upper
178 100
179 18.5 12.2 18.2#
176 22.8 15.0 22.6#



#16
Anthracene
Concen: 140.025 ng/ul
RT: 17.62 min Scan# 2414
Delta R.T. -0.08 min
Lab File: BG029155.D
Acq: 11 Oct 2017 2:01

Tgt Ion:178 Resp: 2437708
Ion Ratio Lower Upper
178 100
179 18.5 12.5 18.7
176 22.8 15.7 23.5

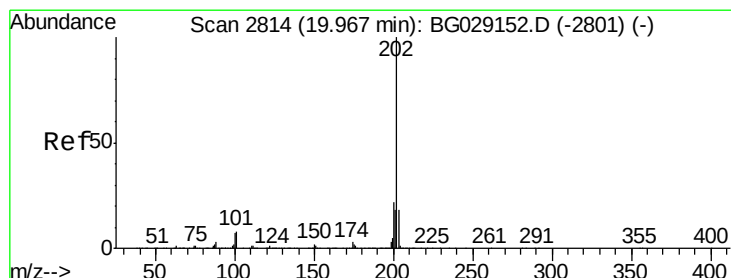
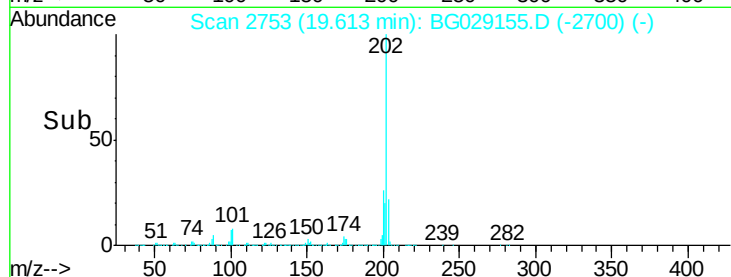
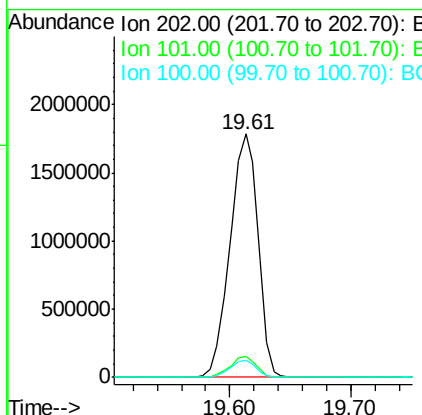
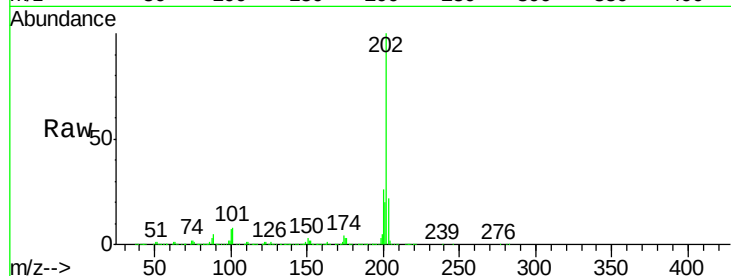




#17
 Fluoranthene
 Concen: 139.736 ng/ul
 RT: 19.61 min Scan# 2753
 Delta R.T. 0.01 min
 Lab File: BG029155.D
 Acq: 11 Oct 2017 2:01

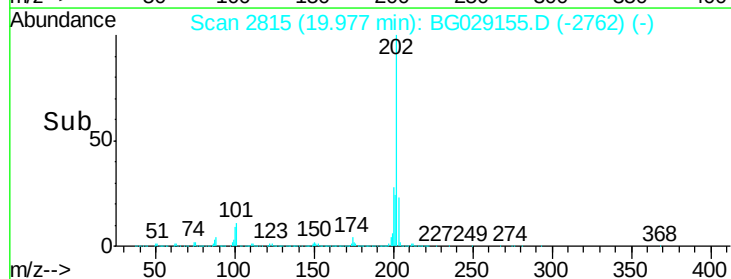
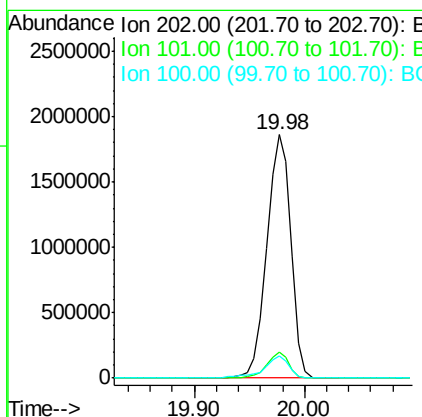
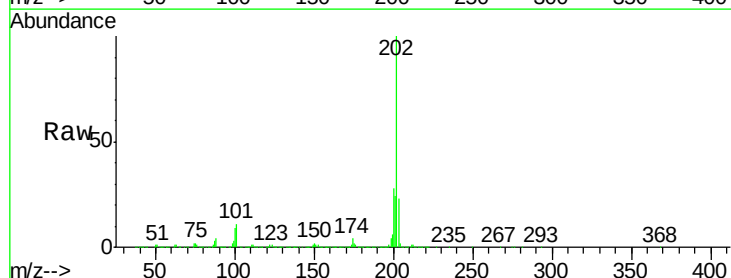
Instrument :
 BNA_G
 ClientSampleId :
 SSTD16073

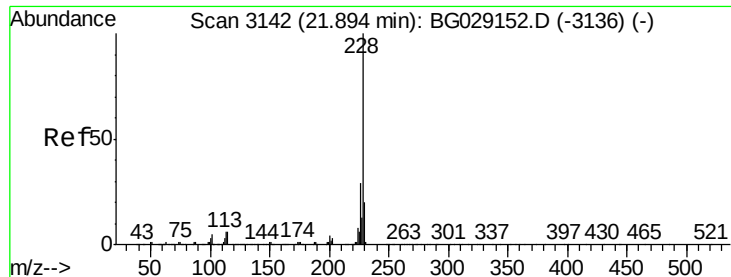
Tgt Ion:202 Resp: 2865120
 Ion Ratio Lower Upper
 202 100
 101 8.5 5.6 8.4#
 100 7.0 4.7 7.1



#20
 Pyrene
 Concen: 128.563 ng/ul
 RT: 19.98 min Scan# 2815
 Delta R.T. 0.01 min
 Lab File: BG029155.D
 Acq: 11 Oct 2017 2:01

Tgt Ion:202 Resp: 2830114
 Ion Ratio Lower Upper
 202 100
 101 10.7 6.5 9.7#
 100 9.3 5.5 8.3#





#22

Chrysene

Concen: 142.198 ng/ul

RT: 21.91 min Scan# 3144

Delta R.T. 0.02 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

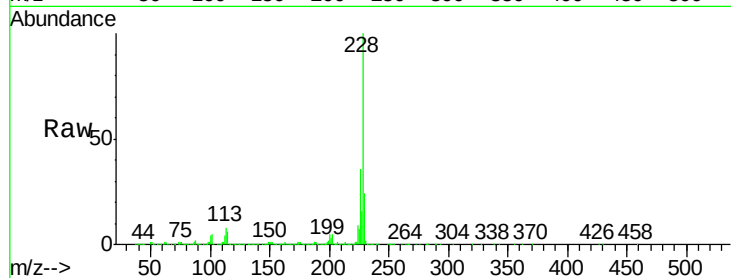
BNA_G

ClientSampleId :

SSTD16073

Tgt Ion:228 Resp: 2755591

Ion	Ratio	Lower	Upper
228	100		
226	35.5	23.4	35.0#
229	23.7	15.7	23.5#

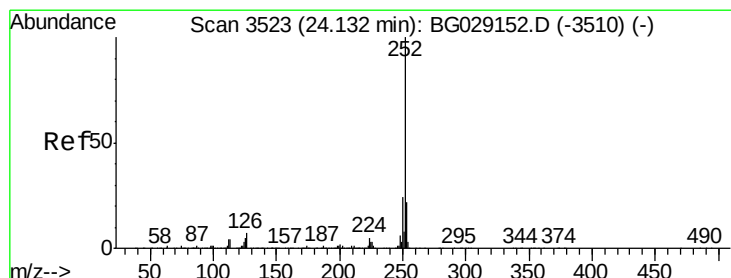
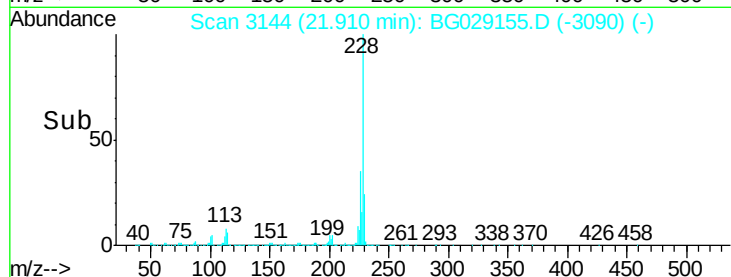
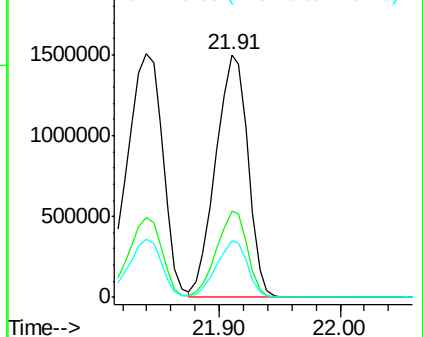


Abundance

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: 154.730 ng/ul

RT: 24.16 min Scan# 3527

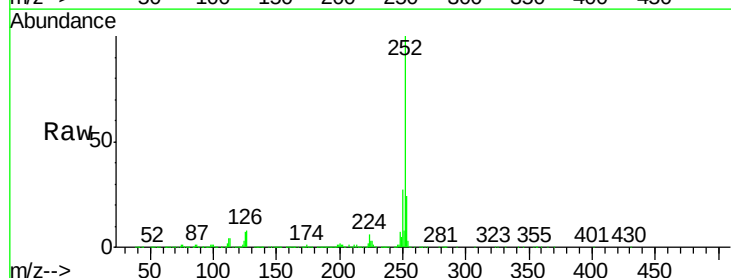
Delta R.T. 0.03 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Tgt Ion:252 Resp: 3300191

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	6.6	4.5	6.7

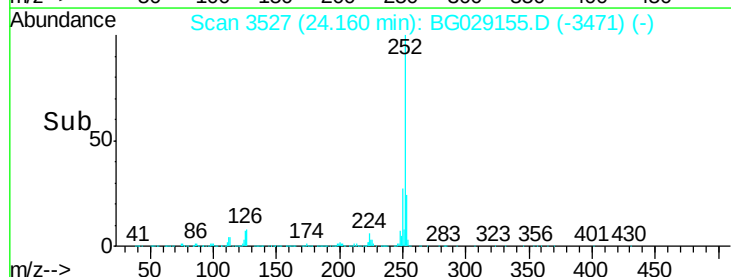
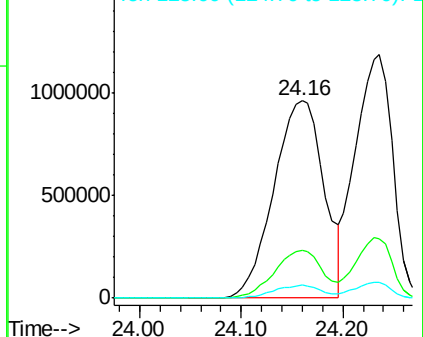


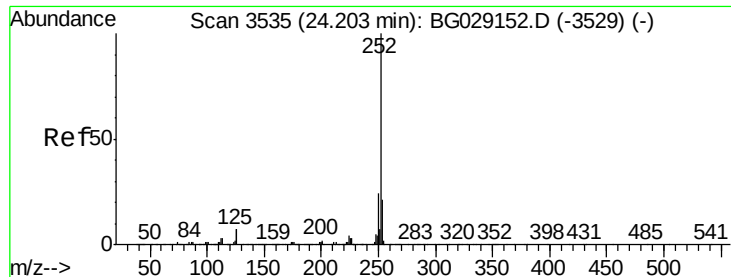
Abundance

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: 146.917 ng/ul

RT: 24.24 min Scan# 3540

Delta R.T. 0.03 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

SSTD16073

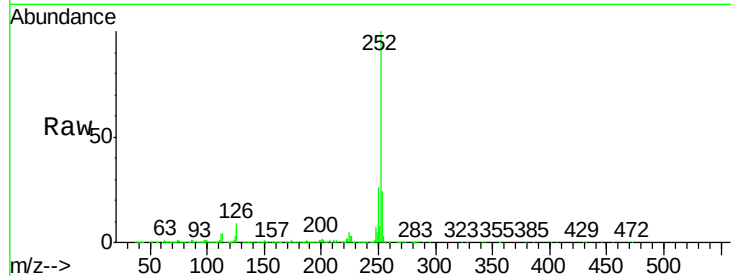
Tgt Ion:252 Resp: 3035296

Ion Ratio Lower Upper

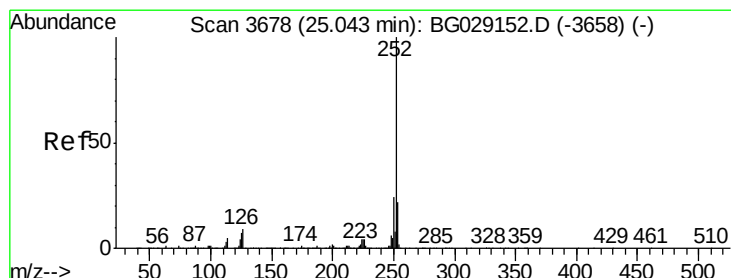
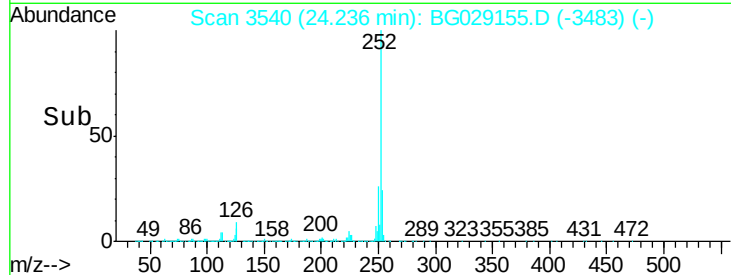
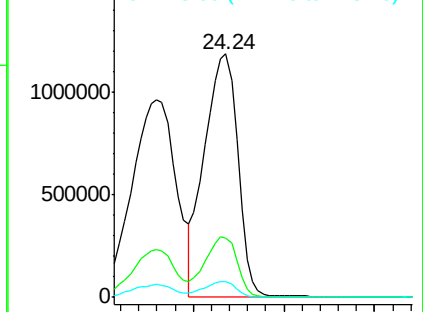
252 100

253 24.5 16.8 25.2

125 6.2 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: 152.928 ng/ul

RT: 25.08 min Scan# 3684

Delta R.T. 0.04 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

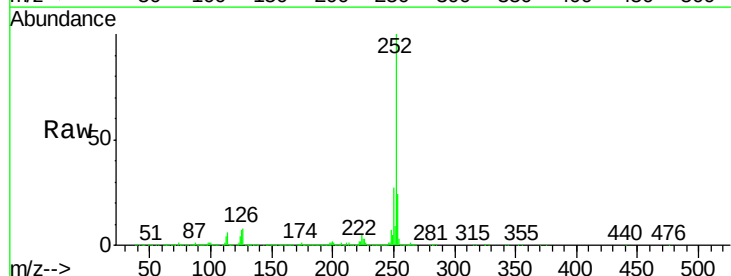
Tgt Ion:252 Resp: 3142121

Ion Ratio Lower Upper

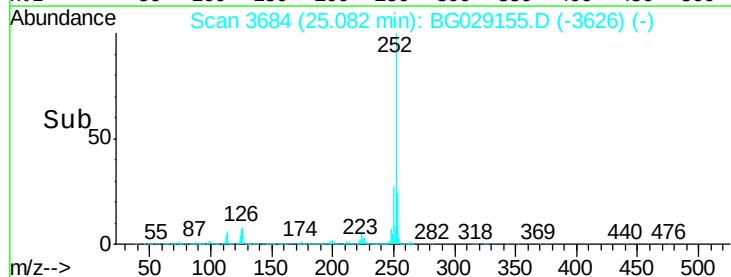
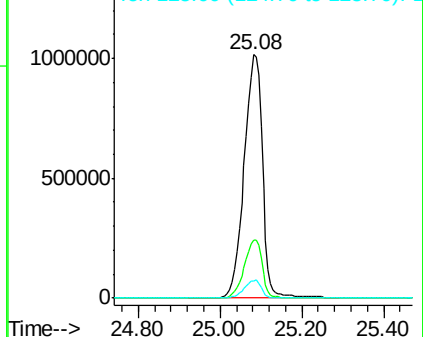
252 100

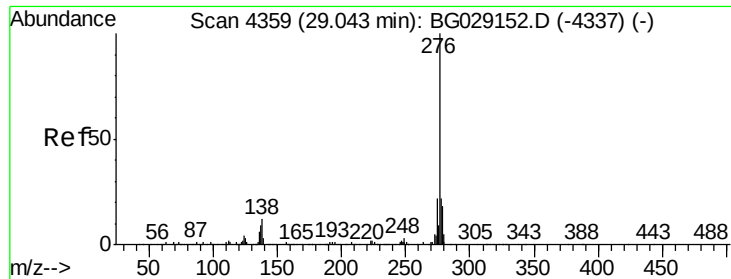
253 24.1 17.6 26.4

125 7.1 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: 149.246 ng/ul

RT: 29.08 min Scan# 4365

Delta R.T. 0.04 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

SSTD16073

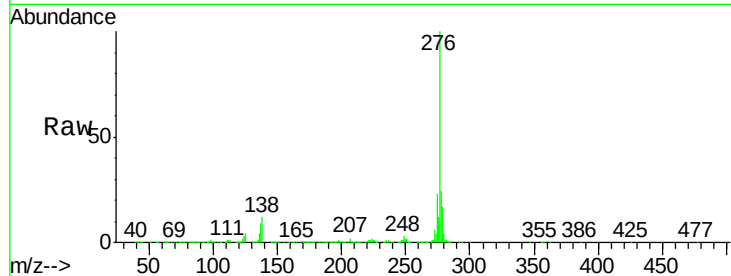
Tgt Ion:276 Resp: 3458359

Ion Ratio Lower Upper

276 100

138 11.8 9.5 14.3

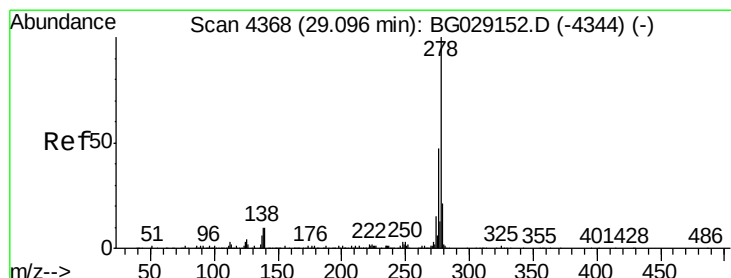
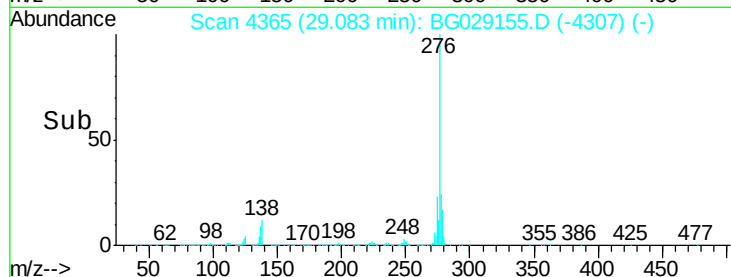
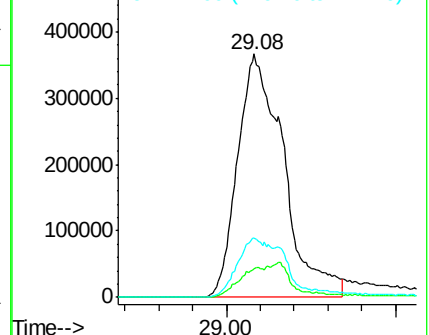
277 24.1 18.1 27.1



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: 146.804 ng/ul

RT: 29.16 min Scan# 4378

Delta R.T. 0.06 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

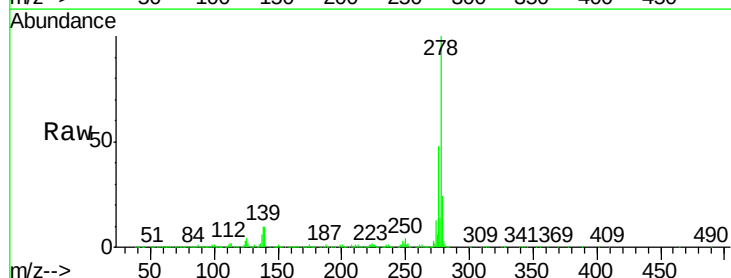
Tgt Ion:278 Resp: 2871670

Ion Ratio Lower Upper

278 100

139 9.6 8.3 12.5

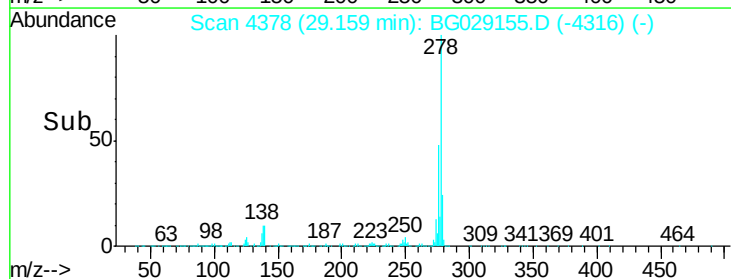
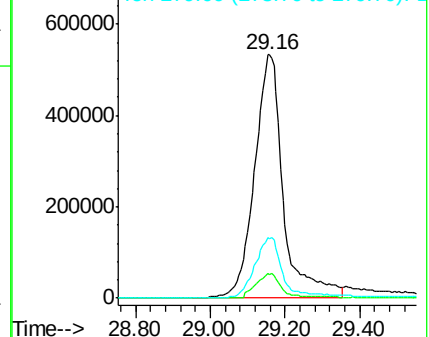
279 24.1 17.1 25.7

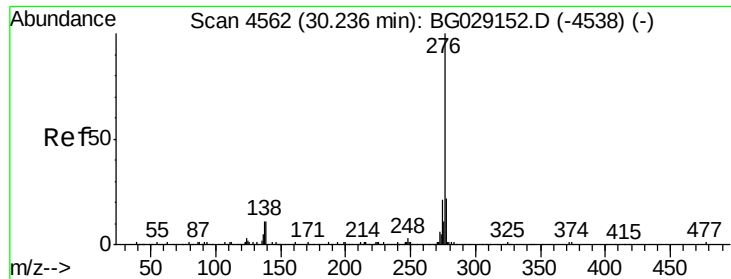


Abundance Ion 278.00 (277.70 to 278.70): E

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: 136.842 ng/ul

RT: 30.29 min Scan# 4570

Delta R.T. 0.05 min

Lab File: BG029155.D

Acq: 11 Oct 2017 2:01

Instrument :

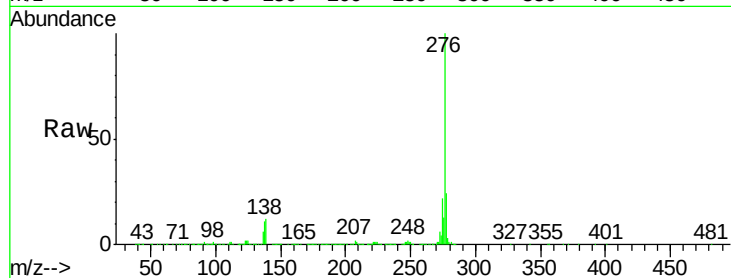
BNA_G

ClientSampleId :

SSTD16073

Tgt Ion:276 Resp: 2537292

Ion	Ratio	Lower	Upper
276	100		
138	12.3	9.3	13.9
277	23.7	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

