

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030917\
 Data File : BG026163.D
 Acq On : 9 Mar 2017 23:53
 Operator : SJ/MA
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02018

Quant Time: Mar 15 07:24:51 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 07:23:43 2017
 Response via : Initial Calibration

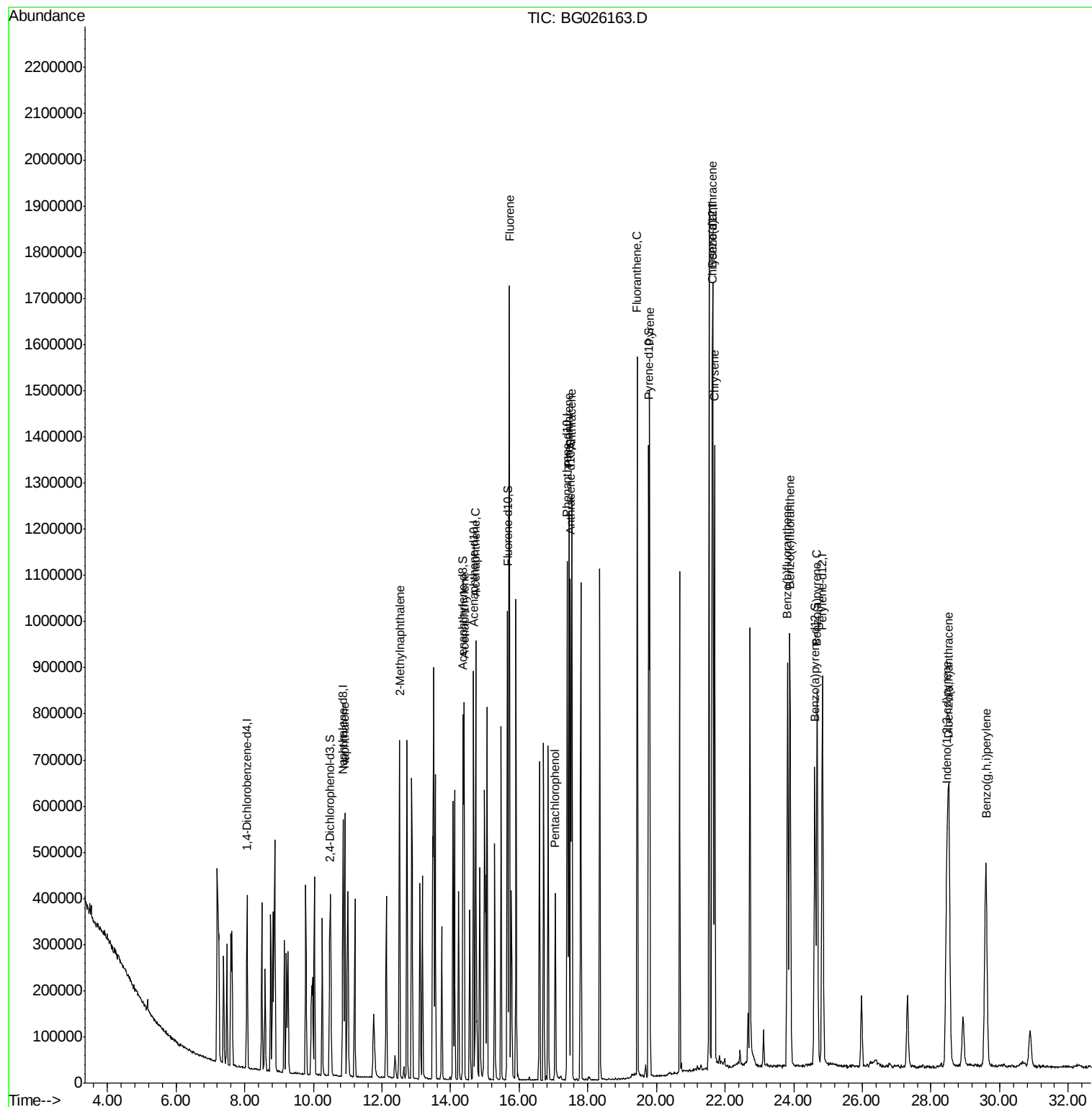
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	113246	20.00	ng/ul	0.00
2) Naphthalene-d8	10.87	136	508818	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	300921	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	730562	20.00	ng/ul	0.00
18) Chrysene-d12	21.65	240	785336	20.00	ng/ul	0.00
23) Perylene-d12	24.84	264	749775	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	153029	20.30	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	598987	23.35	ng/ul	0.00
10) Fluorene-d10	15.65	176	435559	23.27	ng/ul	0.00
15) Anthracene-d10	17.49	188	676311	20.83	ng/ul	0.00
19) Pyrene-d10	19.77	212	730258	18.22	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	676673	20.93	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	503727	20.24	ng/ul	99
5) 2-Methylnaphthalene	12.51	142	382431	20.71	ng/ul	100
8) Acenaphthylene	14.39	152	599562	22.88	ng/ul	98
9) Acenaphthene	14.73	153	421705	22.77	ng/ul	97
11) Fluorene	15.71	166	491144	23.49	ng/ul	96
13) Pentachlorophenol	17.05	265	4700	17.23	ng/uL	94
14) Phenanthrene	17.44	178	788247	20.36	ng/ul	99
16) Anthracene	17.53	178	796100	20.35	ng/ul	99
17) Fluoranthene	19.44	202	914383	22.75	ng/ul	98
20) Pyrene	19.80	202	918143	18.36	ng/ul	99
21) Benzo(a)anthracene	21.62	228	883887	20.22	ng/ul	99
22) Chrysene	21.69	228	840780	20.62	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	858955	20.18	ng/ul	99
25) Benzo(k)fluoranthene	23.89	252	889251	21.88	ng/ul	100
27) Benzo(a)pyrene	24.69	252	855309	21.62	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.46	276	1009708	22.91	ng/ul	98
29) Dibenzo(a,h)anthracene	28.52	278	827274	23.88	ng/ul	98
30) Benzo(g,h,i)perylene	29.60	276	833234	22.17	ng/ul	99

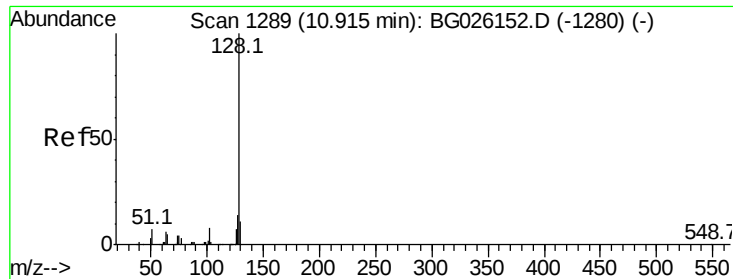
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Naphthalene

Concen: 20.24 ng/ul

RT: 10.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

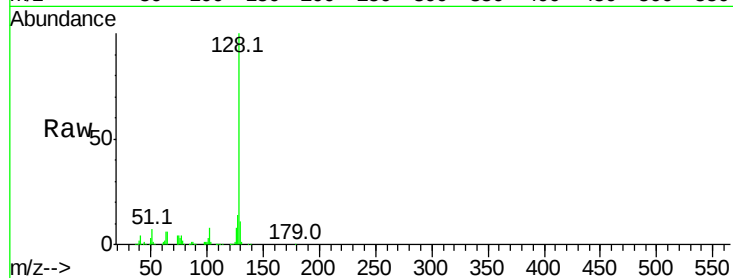
Tot Ion:128 Resp: 503727

Ion Ratio Lower Upper

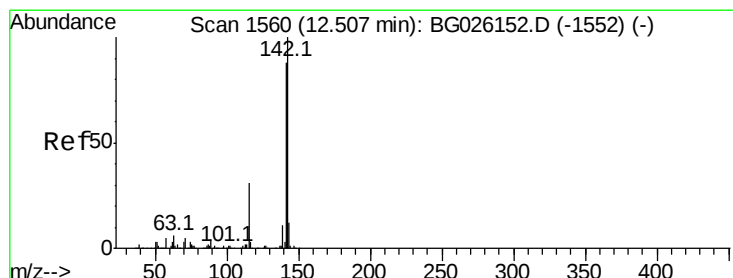
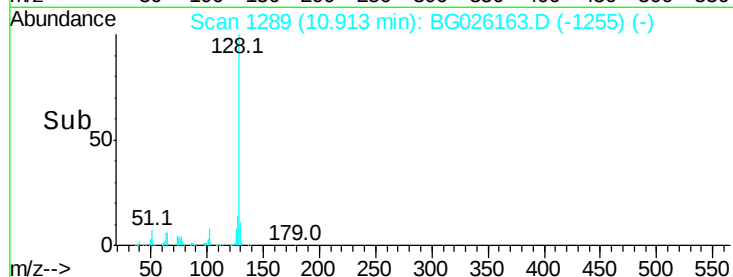
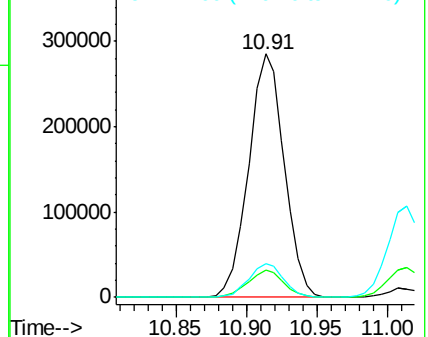
128 100

129 11.2 9.1 13.7

127 14.1 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: 20.71 ng/ul

RT: 12.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BG026163.D

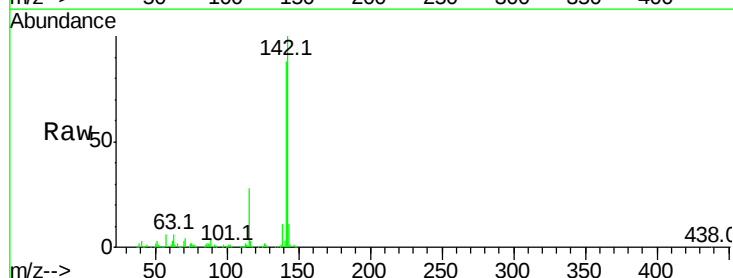
Acq: 9 Mar 2017 23:53

Tgt Ion:142 Resp: 382431

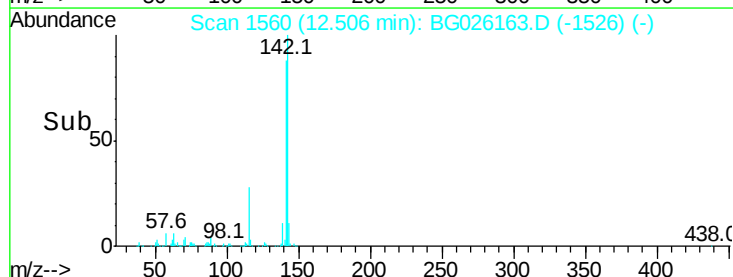
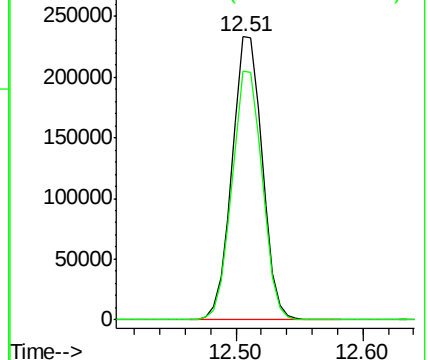
Ion Ratio Lower Upper

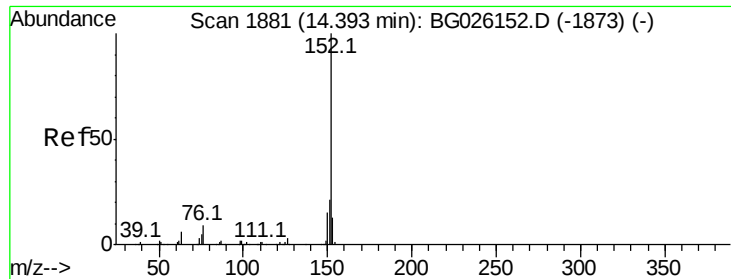
142 100

141 87.8 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: 22.88 ng/ul

RT: 14.39 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

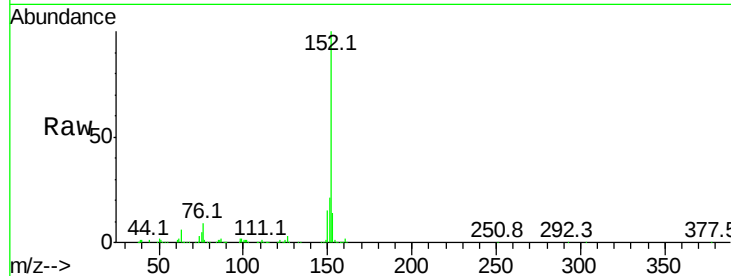
Tot Ion:152 Resp: 599562

Ion Ratio Lower Upper

152 100

151 21.3 17.5 26.3

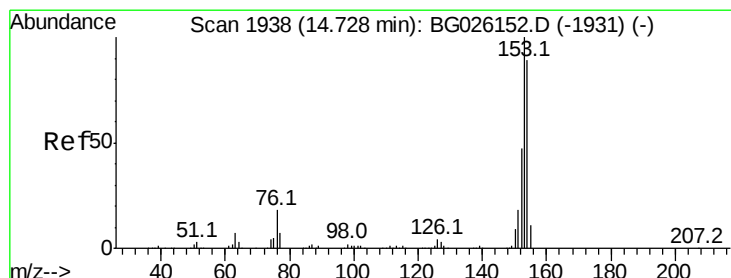
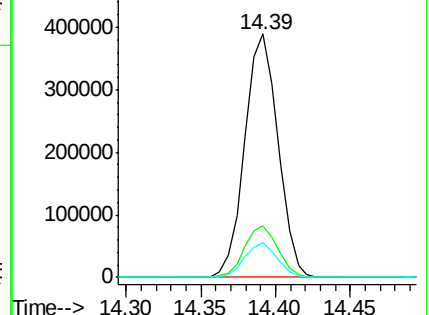
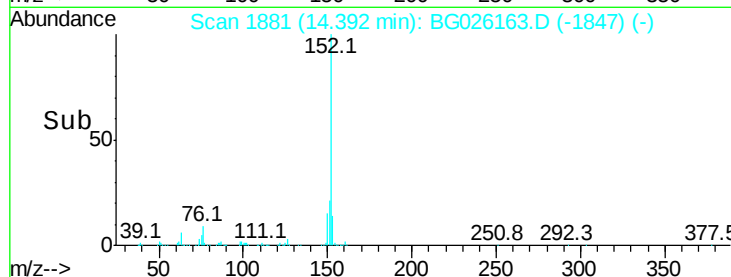
153 14.3 10.6 16.0



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: 22.77 ng/ul

RT: 14.73 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

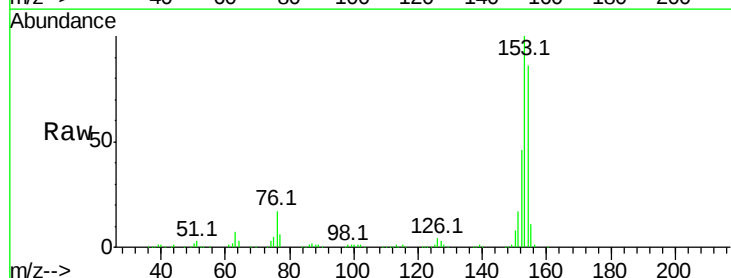
Tgt Ion:153 Resp: 421705

Ion Ratio Lower Upper

153 100

152 46.3 37.9 56.9

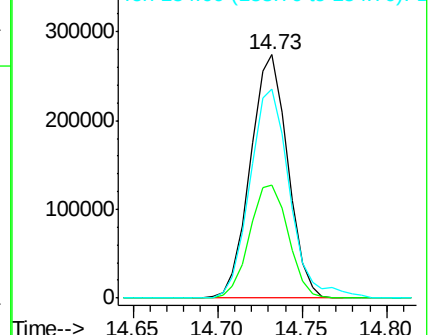
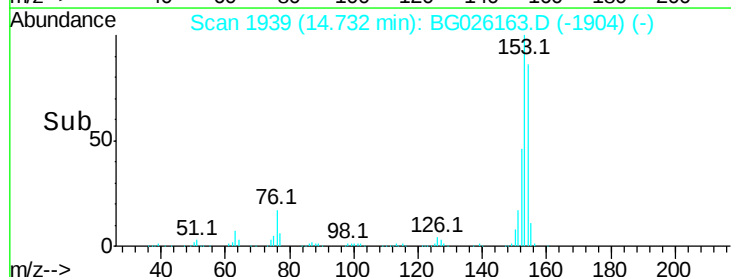
154 85.8 71.6 107.4

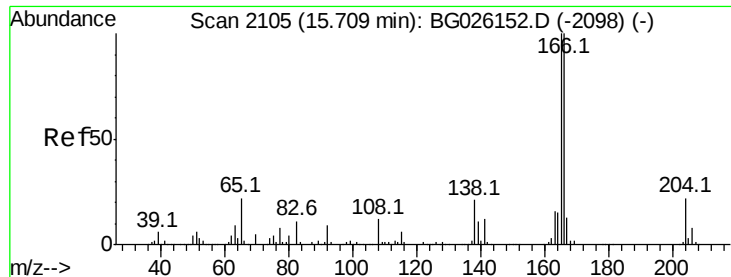


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 23.49 ng/ul

RT: 15.71 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

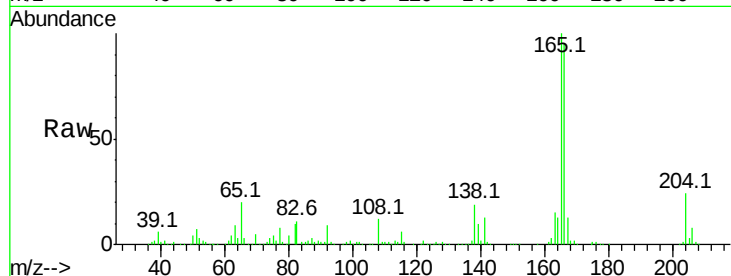
Tot Ion:166 Resp: 491144

Ion Ratio Lower Upper

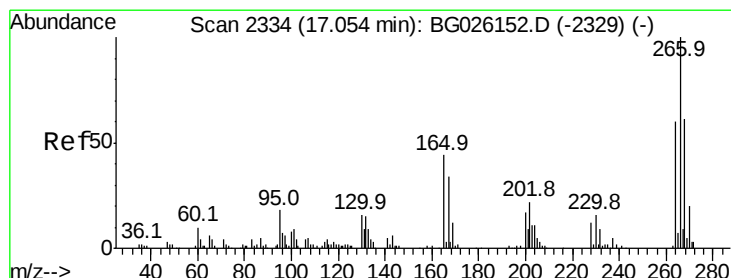
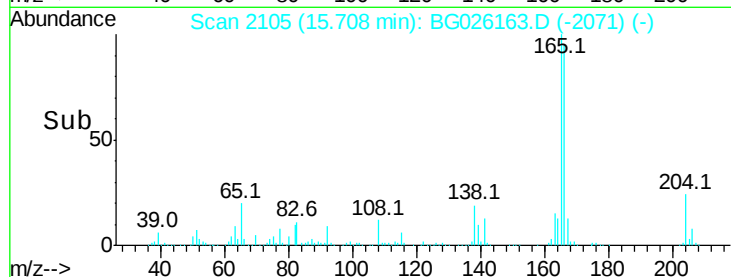
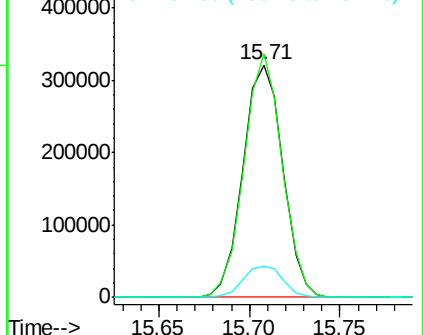
166 100

165 104.8 80.0 120.0

167 13.6 11.6 17.4



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: 17.23 ng/uL

RT: 17.05 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

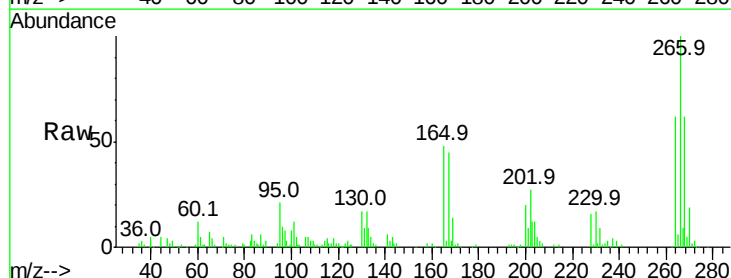
Tgt Ion:265 Resp: 4700

Ion Ratio Lower Upper

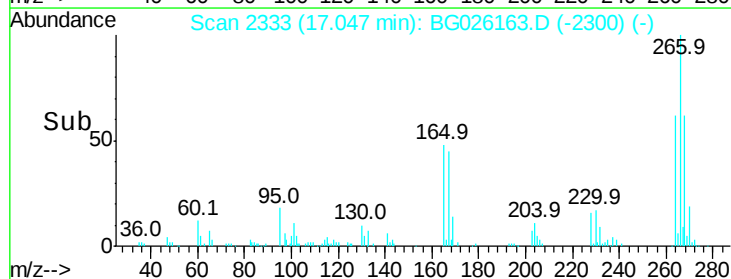
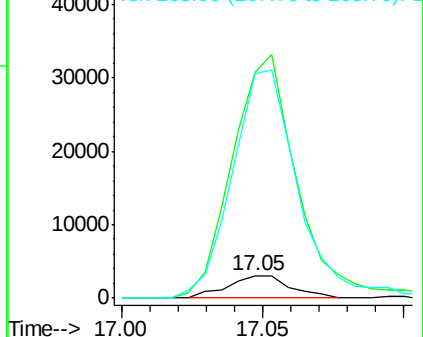
265 100

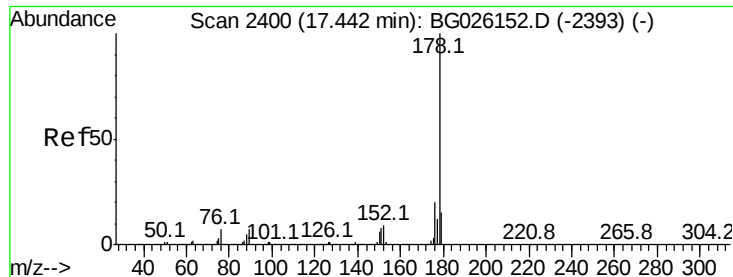
264 991.2 768.4 1152.6

268 987.6 806.4 1209.6



Abundance Ion 265.10 (264.80 to 265.80): E
Ion 264.10 (263.80 to 264.80): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.36 ng/ul

RT: 17.44 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

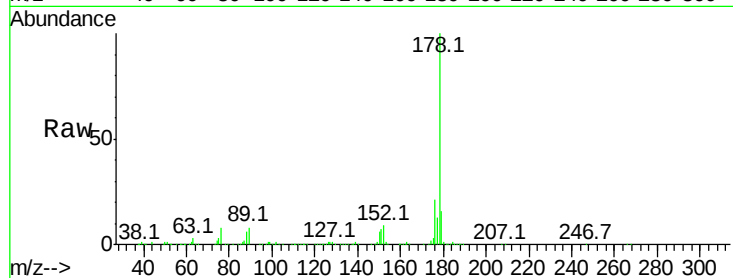
Tot Ion:178 Resp: 788247

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

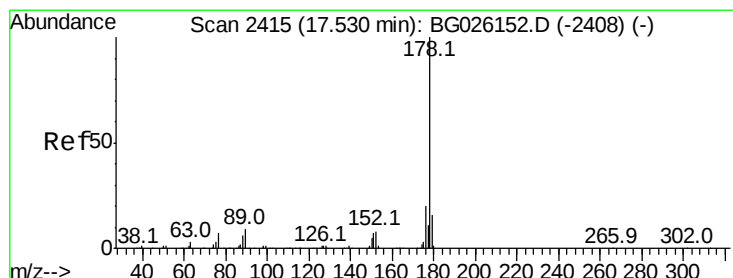
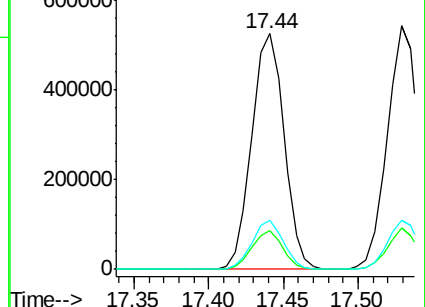
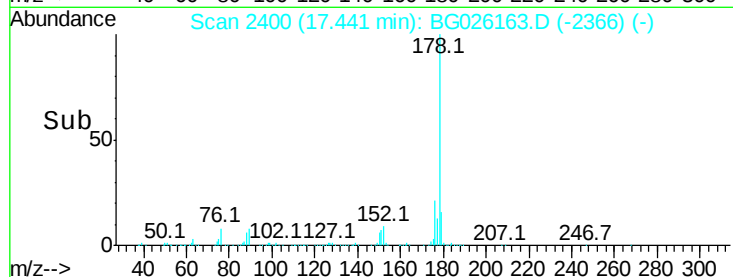
176 20.7 16.4 24.6



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: 20.35 ng/ul

RT: 17.53 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

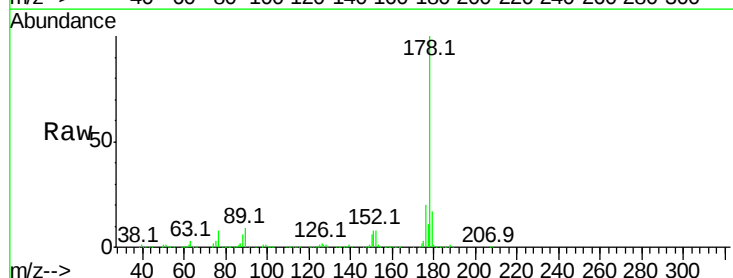
Tgt Ion:178 Resp: 796100

Ion Ratio Lower Upper

178 100

179 16.7 12.7 19.1

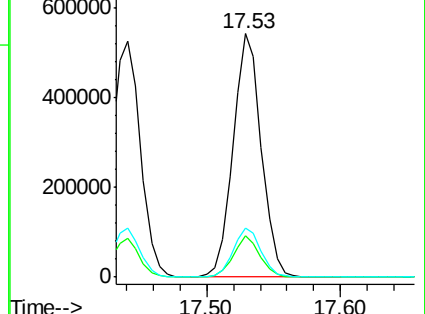
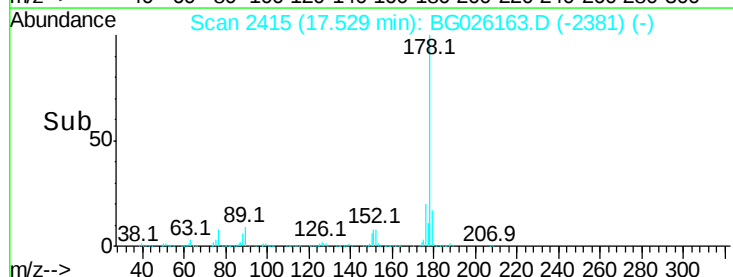
176 20.0 15.8 23.8

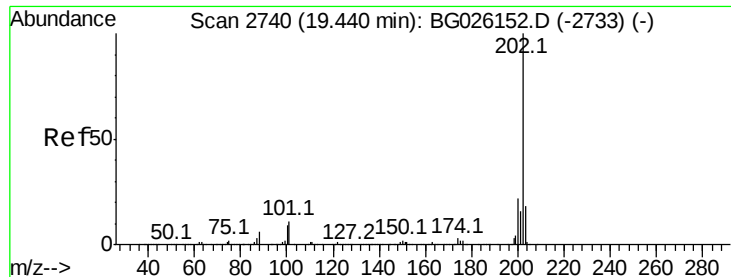


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

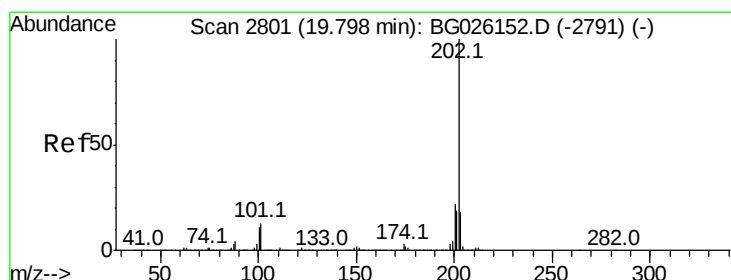
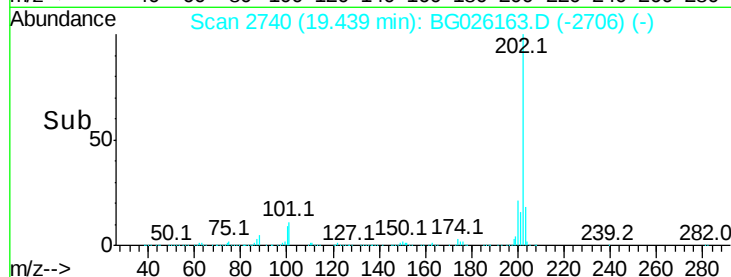
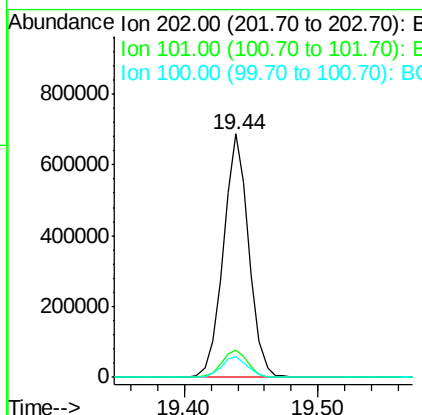
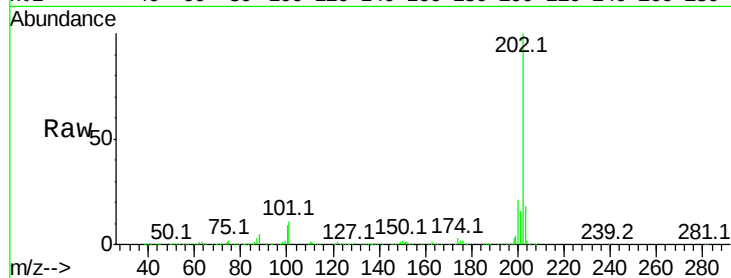




#17
Fluoranthene
 Concen: 22.75 ng/ul
 RT: 19.44 min Scan# 2740
 Delta R.T. -0.00 min
 Lab File: BG026163.D
 Acq: 9 Mar 2017 23:53

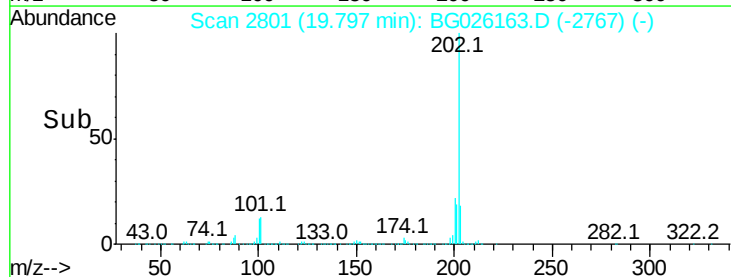
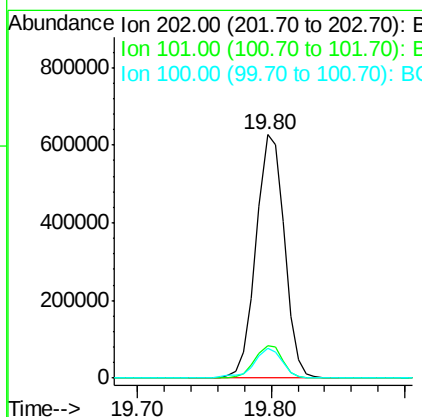
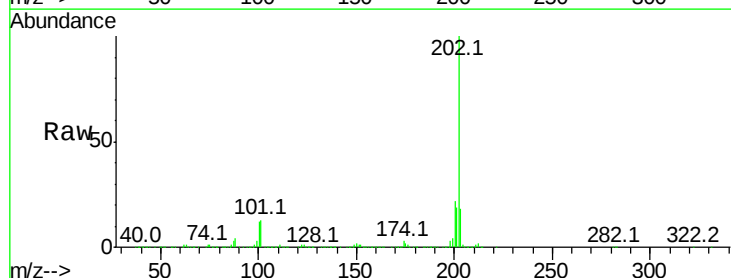
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02018

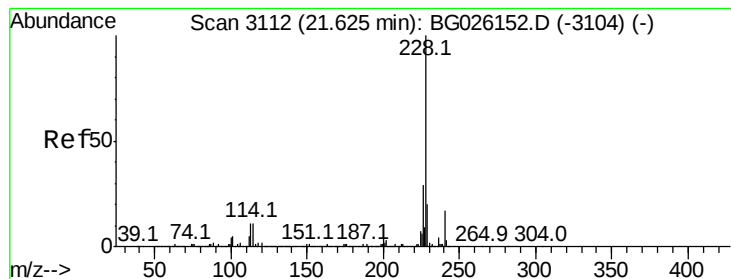
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
100	8.8	7.5	11.3



#20
Pyrene
 Concen: 18.36 ng/ul
 RT: 19.80 min Scan# 2801
 Delta R.T. -0.00 min
 Lab File: BG026163.D
 Acq: 9 Mar 2017 23:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.2	16.8
100	12.0	9.8	14.6





#21

Benzo(a)anthracene

Concen: 20.22 ng/ul

RT: 21.62 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

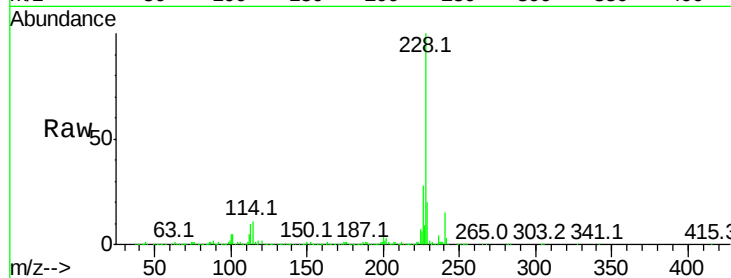
Tot Ion:228 Resp: 883887

Ion Ratio Lower Upper

228 100

229 20.3 15.9 23.9

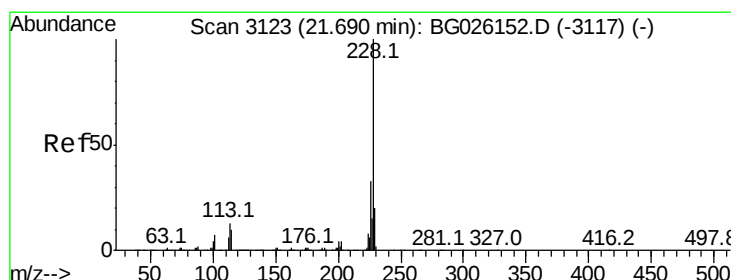
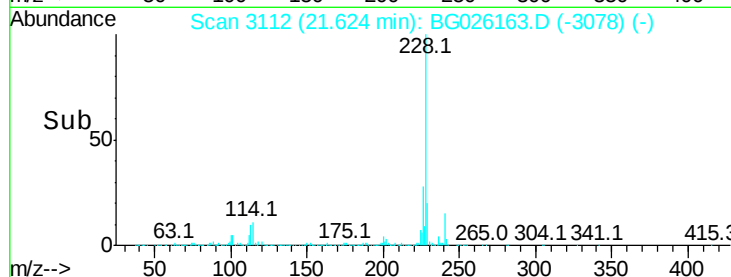
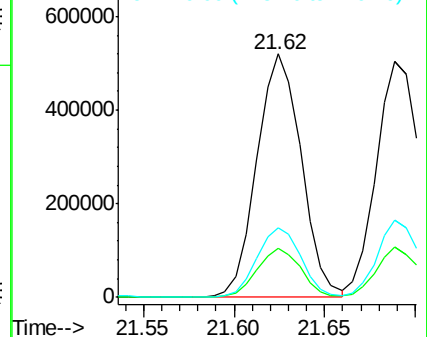
226 28.5 22.1 33.1



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: 20.62 ng/ul

RT: 21.69 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

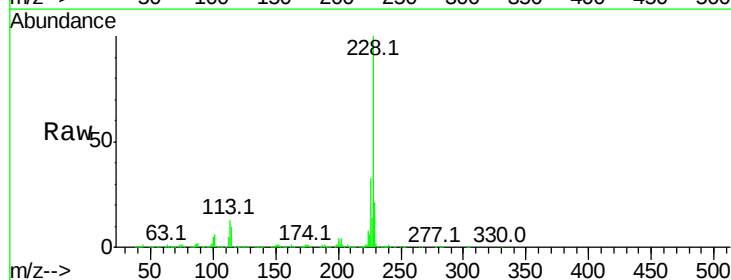
Tgt Ion:228 Resp: 840780

Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

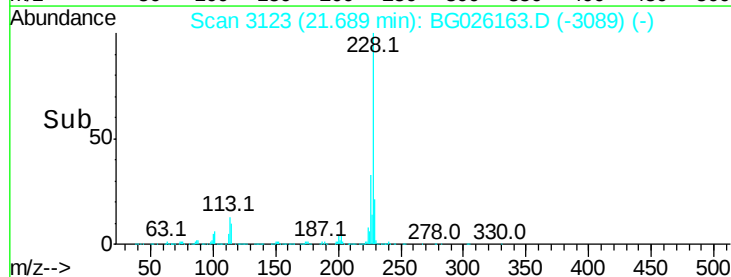
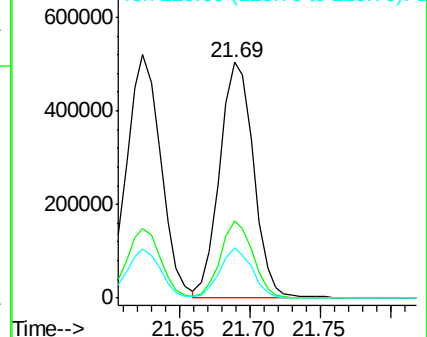
229 21.3 16.6 25.0

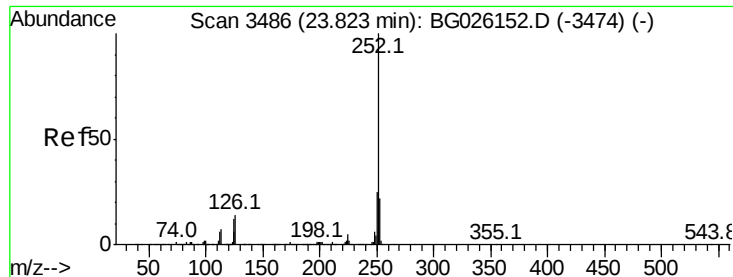


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 20.18 ng/ul

RT: 23.82 min Scan# 3486

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

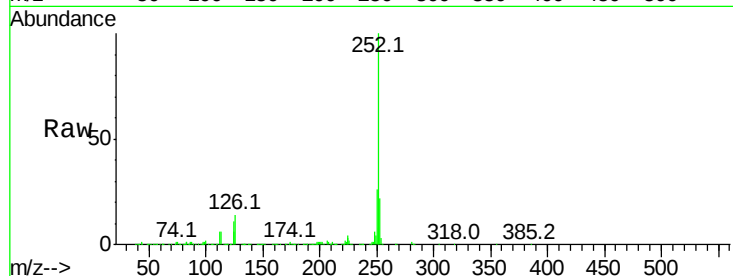
Tot Ion:252 Resp: 858955

Ion Ratio Lower Upper

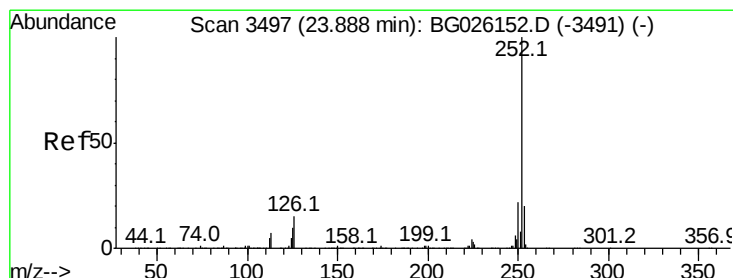
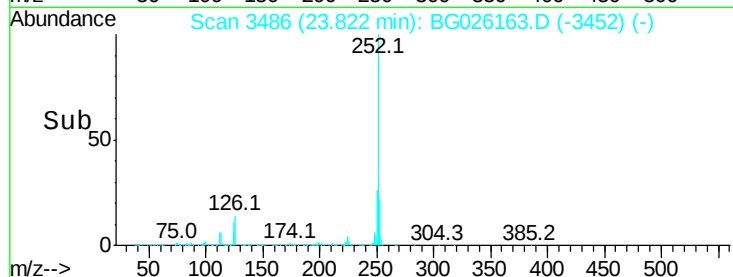
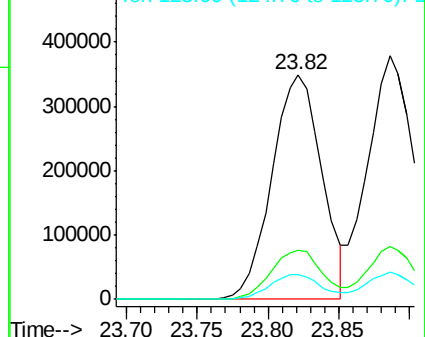
252 100

253 22.1 17.8 26.6

125 10.8 9.4 14.0



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: 21.88 ng/ul

RT: 23.89 min Scan# 3497

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

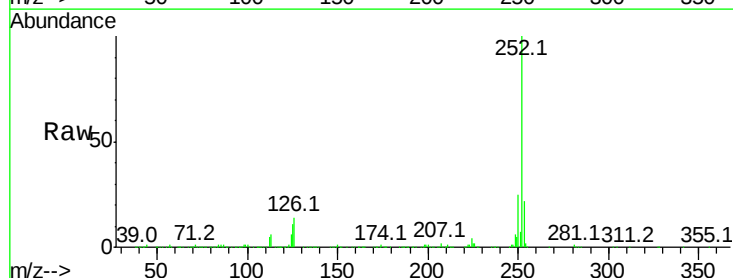
Tgt Ion:252 Resp: 889251

Ion Ratio Lower Upper

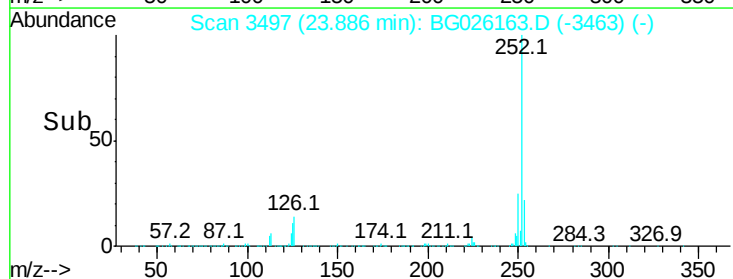
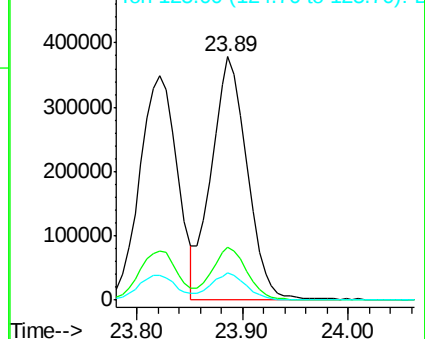
252 100

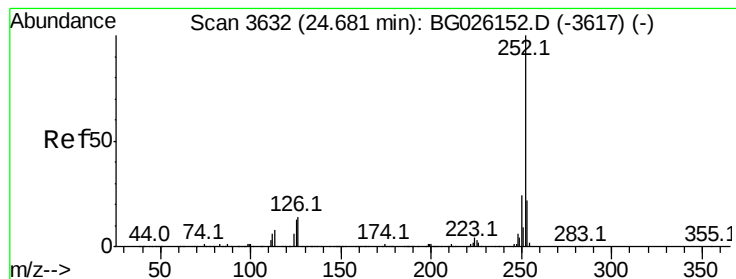
253 21.6 17.4 26.2

125 11.0 8.8 13.2



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





#27

Benzo(a)pyrene

Concen: 21.62 ng/ul

RT: 24.69 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

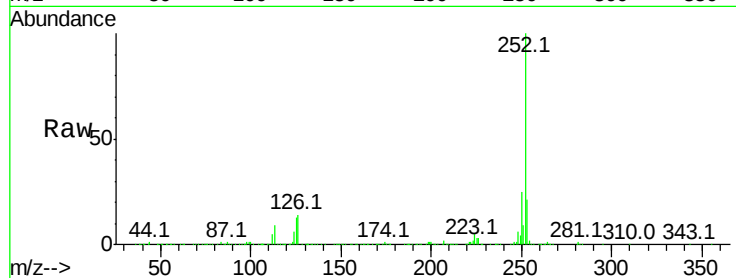
Tot Ion:252 Resp: 855309

Ion Ratio Lower Upper

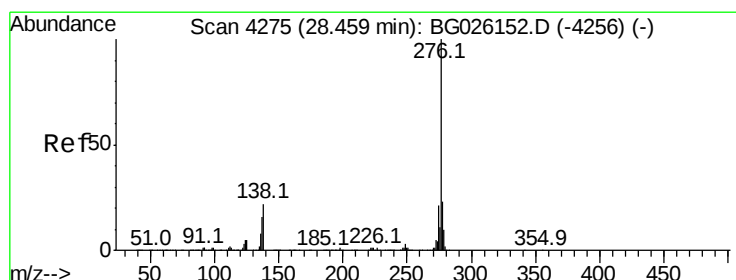
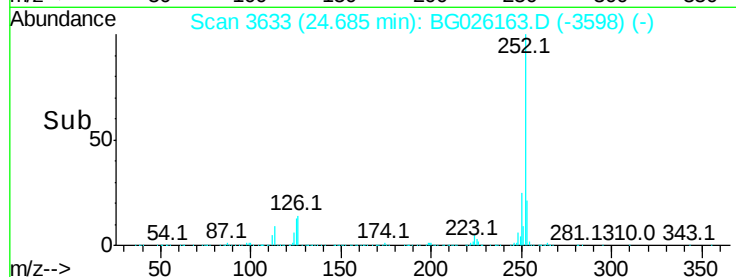
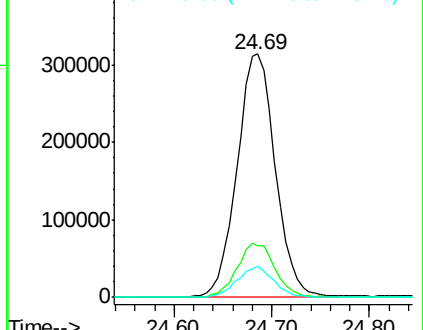
252 100

253 21.1 17.1 25.7

125 12.8 9.4 14.2



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: 22.91 ng/ul

RT: 28.46 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

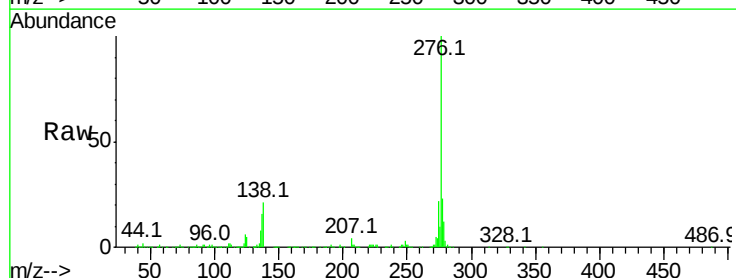
Tgt Ion:276 Resp: 1009708

Ion Ratio Lower Upper

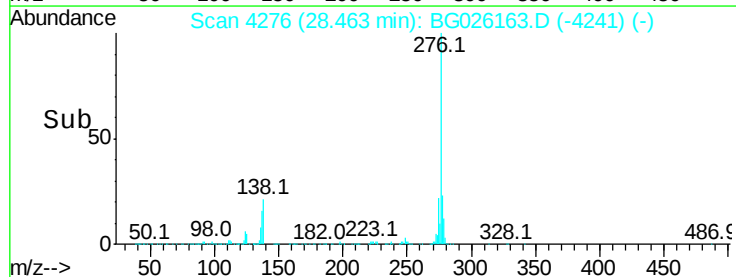
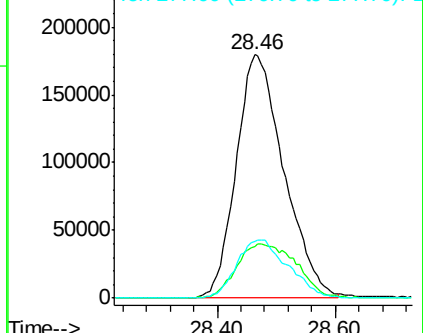
276 100

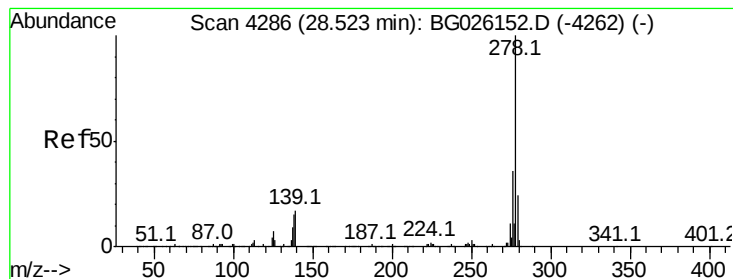
138 21.2 17.8 26.6

277 23.5 19.4 29.0



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: 23.88 ng/ul

RT: 28.52 min Scan# 4286

Delta R.T. -0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

Instrument :

BNA_G

ClientSampleId :

SSTD02018

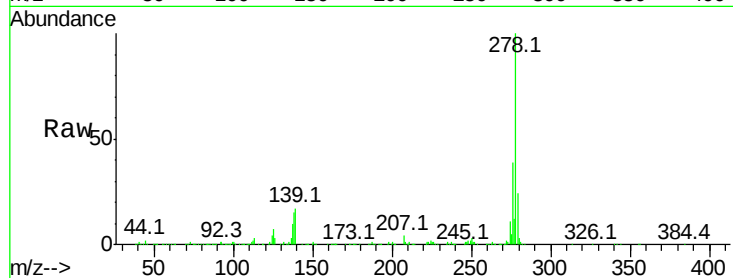
Tot Ion:278 Resp: 827274

Ion Ratio Lower Upper

278 100

139 17.1 14.0 21.0

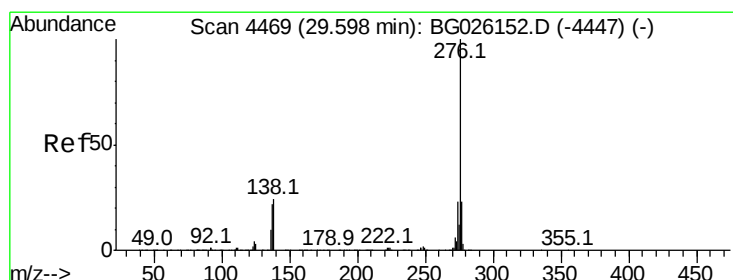
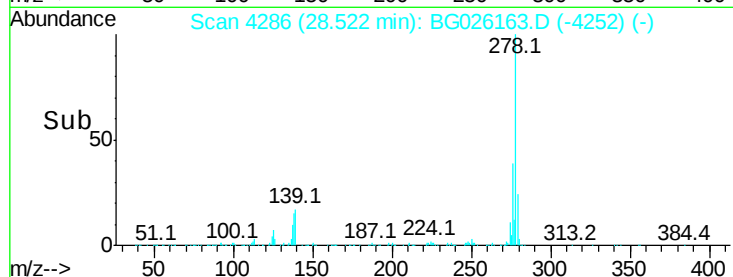
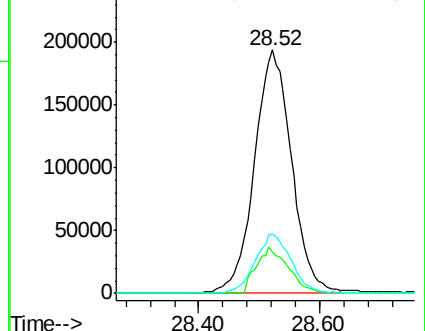
279 24.1 20.6 31.0



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: 22.17 ng/ul

RT: 29.60 min Scan# 4470

Delta R.T. 0.00 min

Lab File: BG026163.D

Acq: 9 Mar 2017 23:53

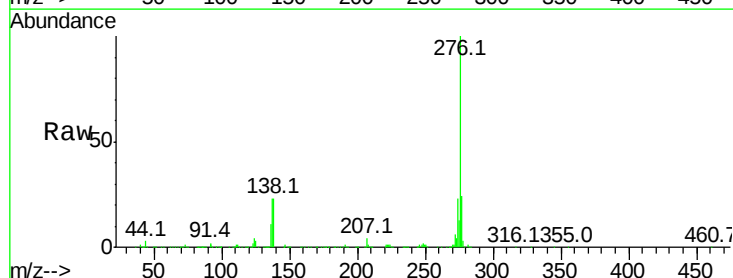
Tgt Ion:276 Resp: 833234

Ion Ratio Lower Upper

276 100

138 22.8 19.0 28.4

277 24.3 19.7 29.5



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

