

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030917\
 Data File : BG026152.D
 Acq On : 9 Mar 2017 16:39
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02017

Quant Time: Mar 15 05:49:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 05:48:36 2017
 Response via : Initial Calibration

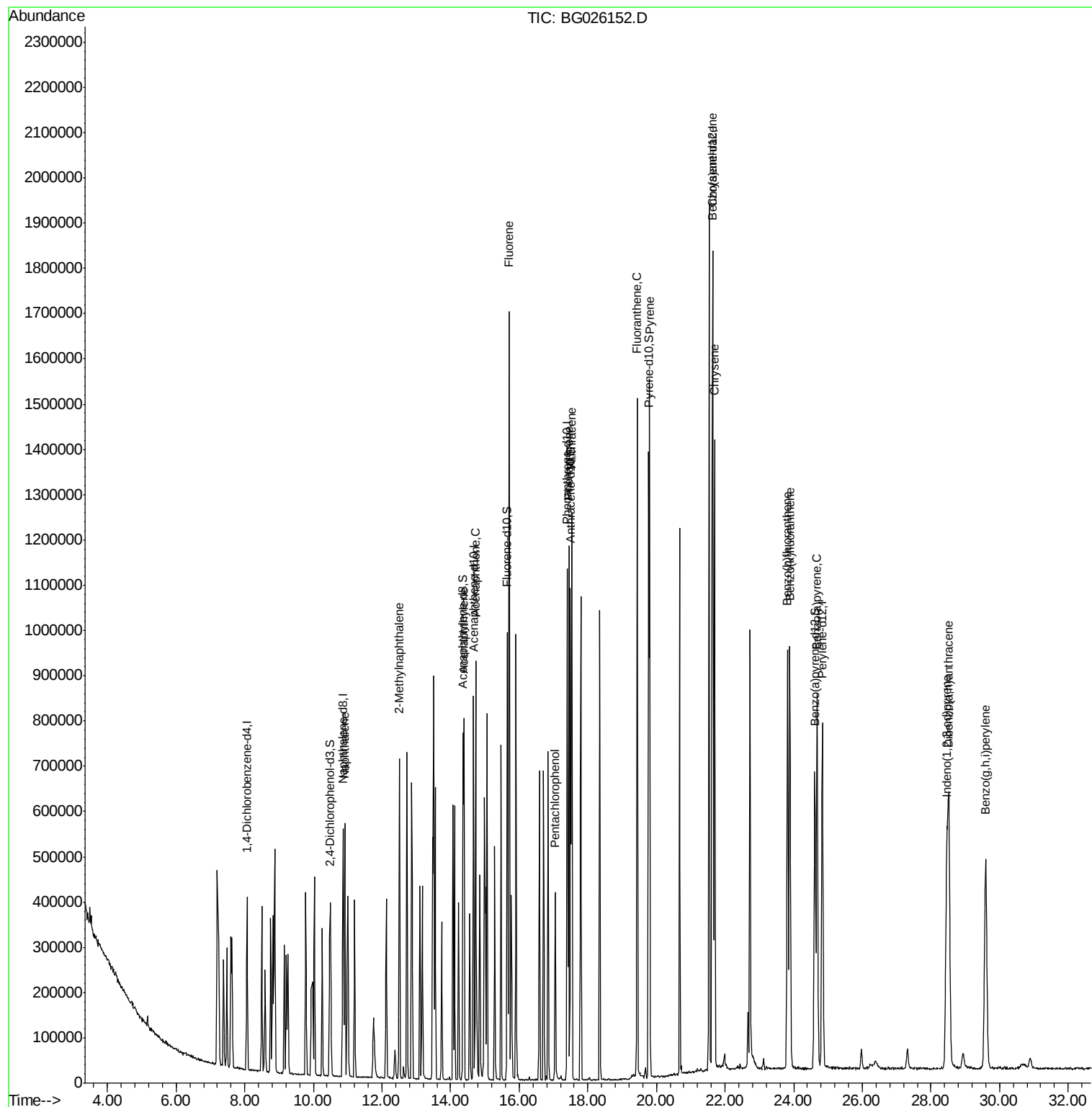
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	114899	20.00	ng/ul	0.00
2) Naphthalene-d8	10.87	136	505172	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	299543	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	712914	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	804643	20.00	ng/ul	0.00
23) Perylene-d12	24.84	264	778109	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	150774	20.15	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	582065	22.79	ng/ul	0.00
10) Fluorene-d10	15.65	176	428005	22.97	ng/ul	0.00
15) Anthracene-d10	17.50	188	660184	20.84	ng/ul	0.00
19) Pyrene-d10	19.77	212	747686	18.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	702402	20.93	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	495706	20.06	ng/ul	98
5) 2-Methylnaphthalene	12.51	142	378407	20.64	ng/ul	99
8) Acenaphthylene	14.39	152	588614	22.56	ng/ul	98
9) Acenaphthene	14.73	153	416214	22.57	ng/ul	99
11) Fluorene	15.71	166	481715	23.15	ng/ul	99
13) Pentachlorophenol	17.05	265	5114	19.22	ng/uL	83
14) Phenanthrene	17.44	178	775696	20.53	ng/ul	99
16) Anthracene	17.53	178	792200	20.76	ng/ul	99
17) Fluoranthene	19.44	202	916964	23.38	ng/ul	98
20) Pyrene	19.80	202	939699	18.34	ng/ul	98
21) Benzo(a)anthracene	21.63	228	908490	20.29	ng/ul	98
22) Chrysene	21.69	228	865366	20.71	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	898373	20.34	ng/ul	100
25) Benzo(k)fluoranthene	23.89	252	898137	21.29	ng/ul	99
27) Benzo(a)pyrene	24.68	252	875859	21.34	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	1031052	22.54	ng/ul	98
29) Dibenzo(a,h)anthracene	28.52	278	849657	23.63	ng/ul	97
30) Benzo(g,h,i)perylene	29.60	276	856413	21.96	ng/ul	98

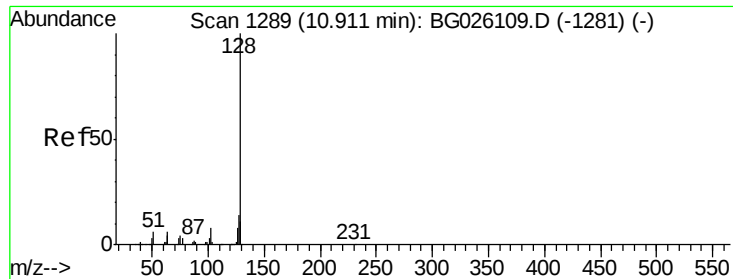
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030917\
Data File : BG026152.D
Acq On : 9 Mar 2017 16:39
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
Client Sample Id :
SSTD02017

Quant Time: Mar 15 05:49:17 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 05:48:36 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.06 ng/ul

RT: 10.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Instrument :

BNA_G

ClientSampleId :

SSTD02017

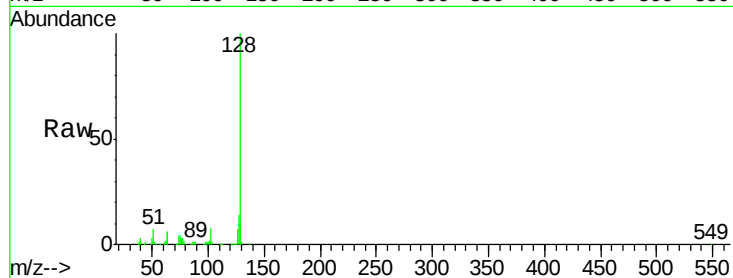
Tot Ion:128 Resp: 495706

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

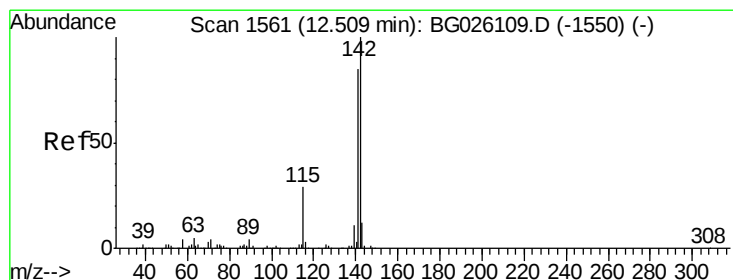
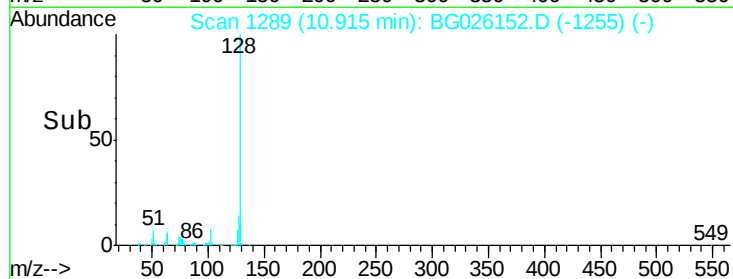
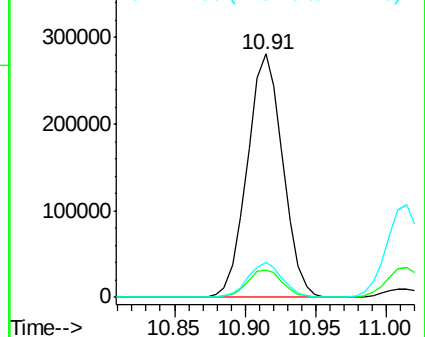
127 14.2 10.6 15.8



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: 20.64 ng/ul

RT: 12.51 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BG026152.D

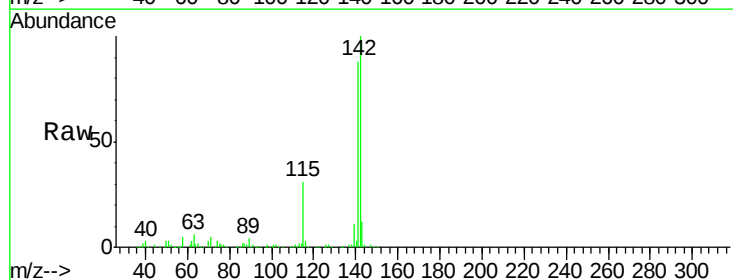
Acq: 9 Mar 2017 16:39

Tgt Ion:142 Resp: 378407

Ion Ratio Lower Upper

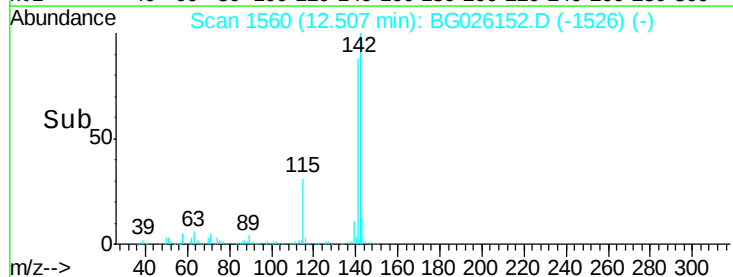
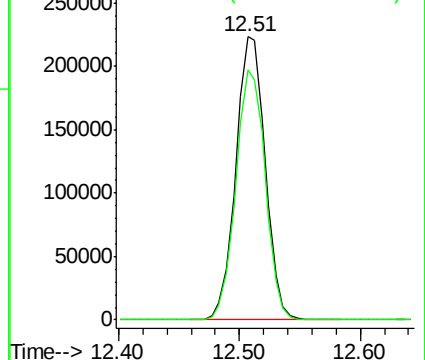
142 100

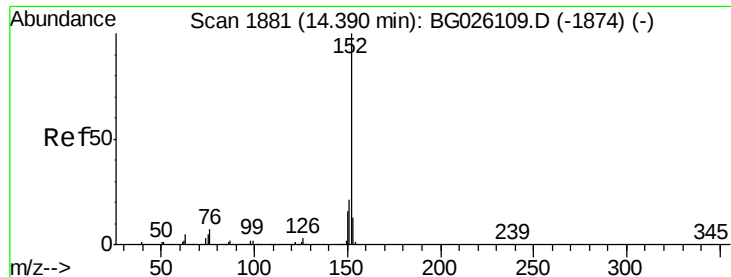
141 88.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.56 ng/ul

RT: 14.39 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Instrument :

BNA_G

ClientSampleId :

SSTD02017

Tot Ion:152 Resp: 588614

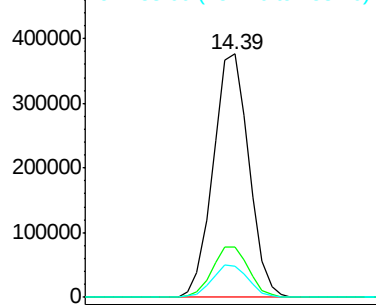
Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.5	26.3
153	13.0	10.6	16.0

Abundance

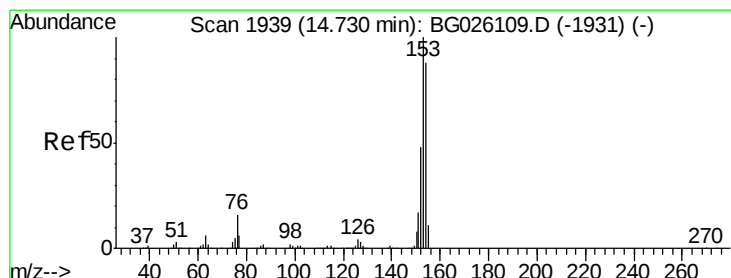
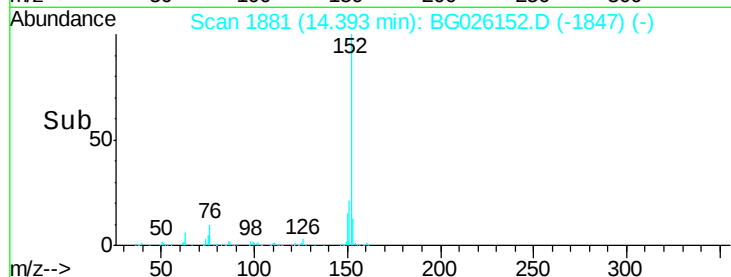
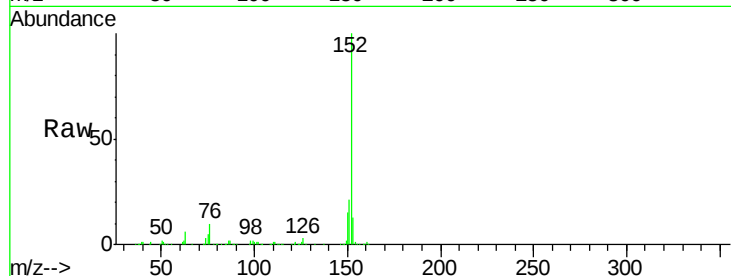
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 14.30 14.35 14.40 14.45



#9

Acenaphthene

Concen: 22.57 ng/ul

RT: 14.73 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Tgt Ion:153 Resp: 416214

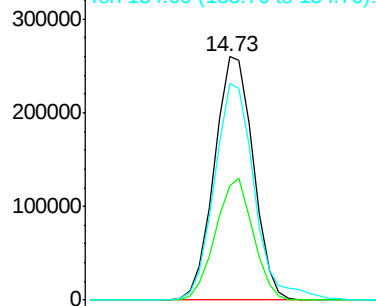
Ion	Ratio	Lower	Upper
153	100		
152	46.7	37.9	56.9
154	89.1	71.6	107.4

Abundance

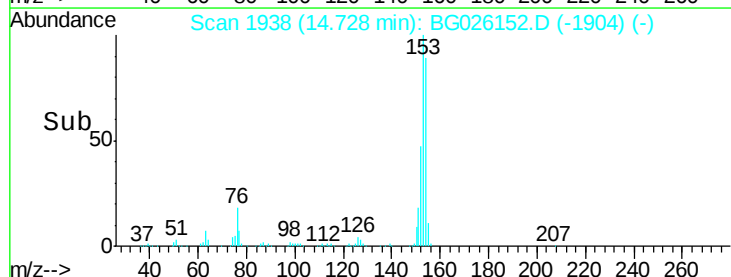
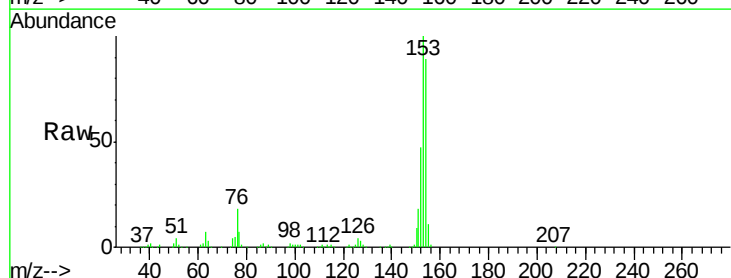
Ion 153.00 (152.70 to 153.70): E

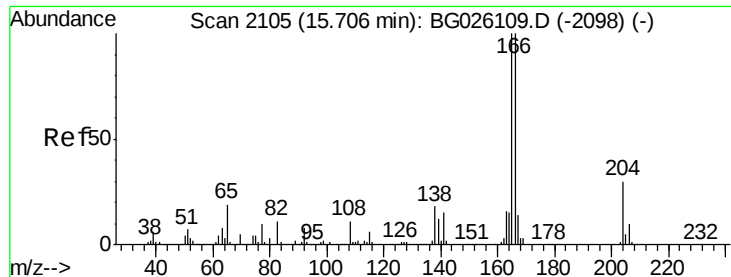
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.65 14.70 14.75 14.80





#11

Fluorene

Concen: 23.15 ng/ul

RT: 15.71 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Instrument :

BNA_G

ClientSampleId :

SSTD02017

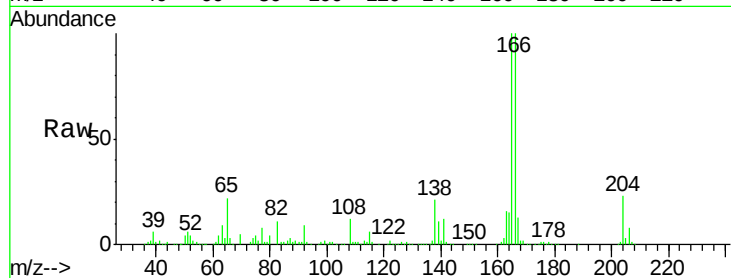
Tot Ion:166 Resp: 481715

Ion Ratio Lower Upper

166 100

165 99.6 80.0 120.0

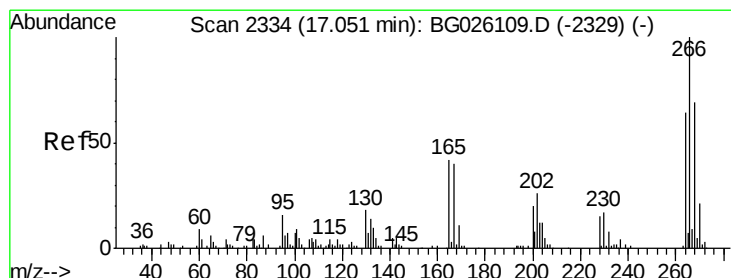
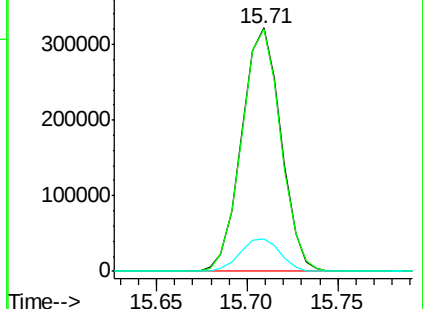
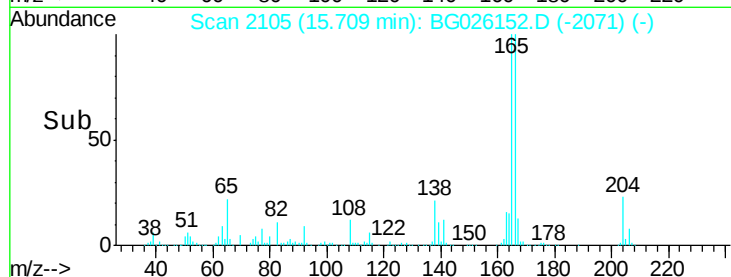
167 13.4 11.6 17.4



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: 19.22 ng/uL

RT: 17.05 min Scan# 2334

Delta R.T. 0.01 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

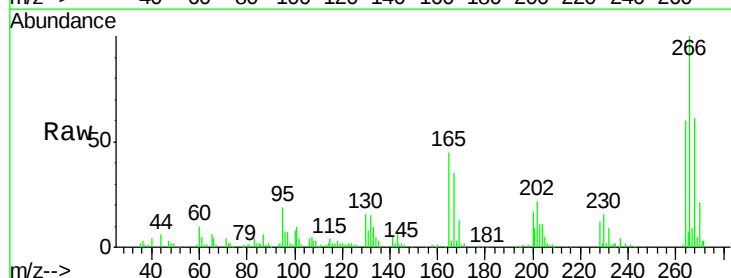
Tgt Ion:265 Resp: 5114

Ion Ratio Lower Upper

265 100

264 899.4 768.4 1152.6

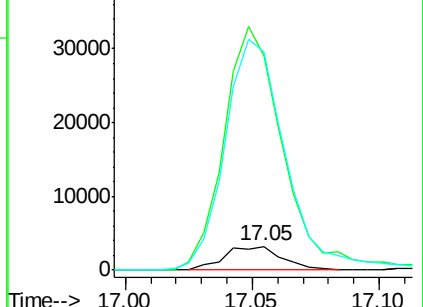
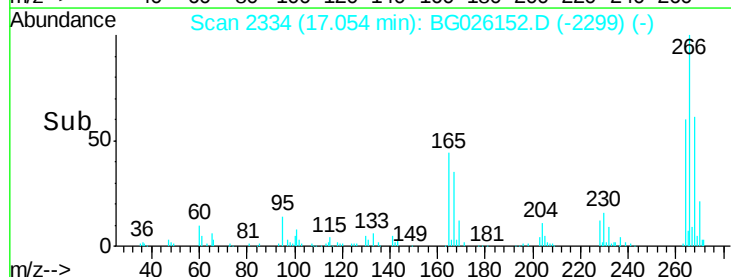
268 915.8 806.4 1209.6

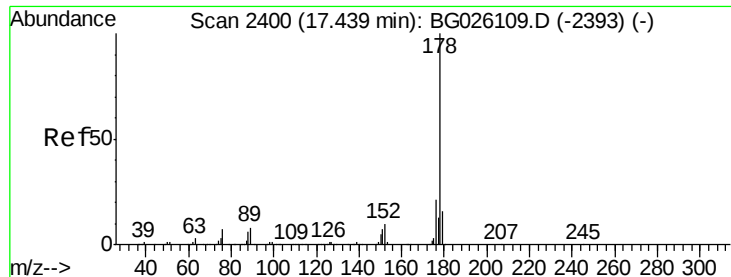


Abundance Ion 265.10 (264.80 to 265.80): E

Ion 264.10 (263.80 to 264.80): E

Ion 268.00 (267.70 to 268.70): E

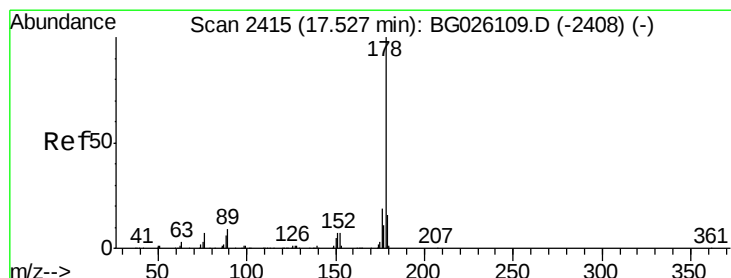
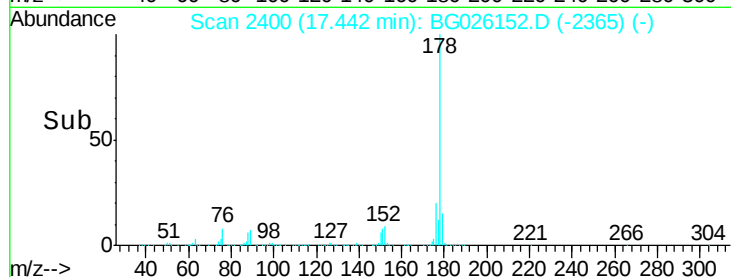
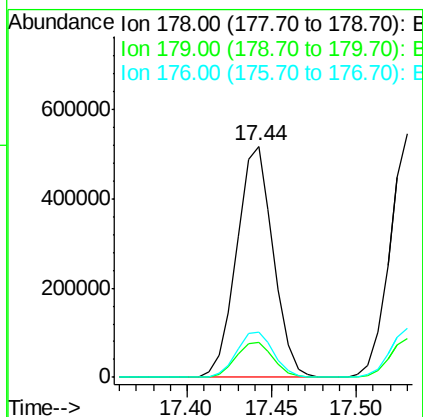
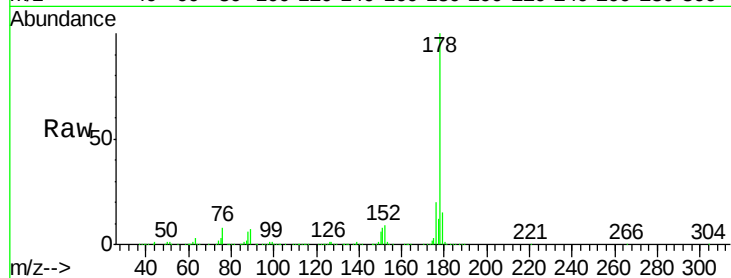




#14
 Phenanthrene
 Concen: 20.53 ng/ul
 RT: 17.44 min Scan# 2400
 Delta R.T. 0.01 min
 Lab File: BG026152.D
 Acq: 9 Mar 2017 16:39

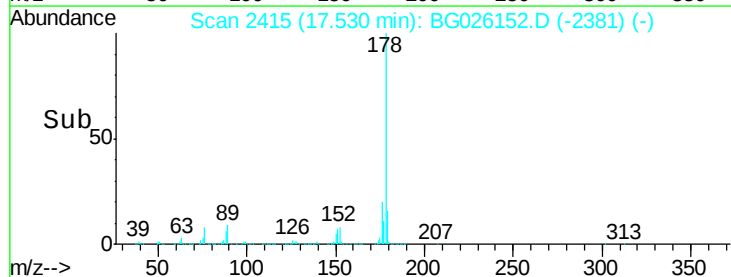
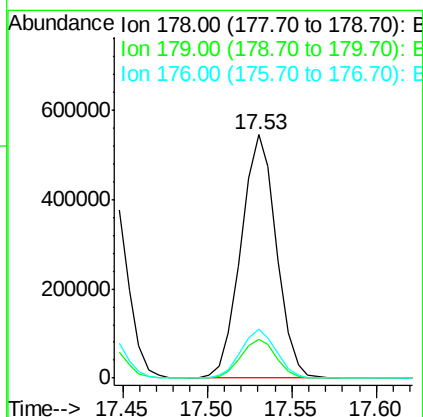
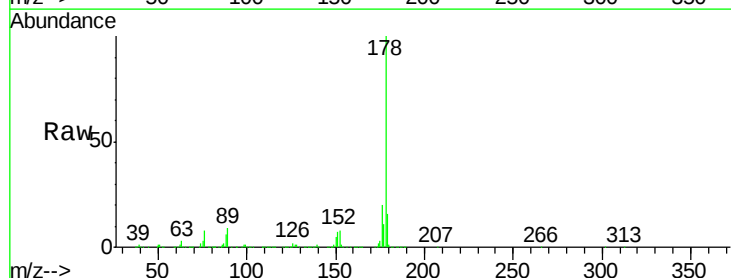
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02017

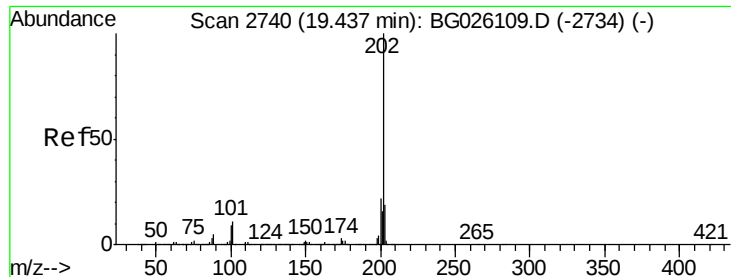
Tot Ion:178 Resp: 775696
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.2 18.4
 176 19.6 16.4 24.6



#16
 Anthracene
 Concen: 20.76 ng/ul
 RT: 17.53 min Scan# 2415
 Delta R.T. 0.00 min
 Lab File: BG026152.D
 Acq: 9 Mar 2017 16:39

Tgt Ion:178 Resp: 792200
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.7 19.1
 176 20.3 15.8 23.8

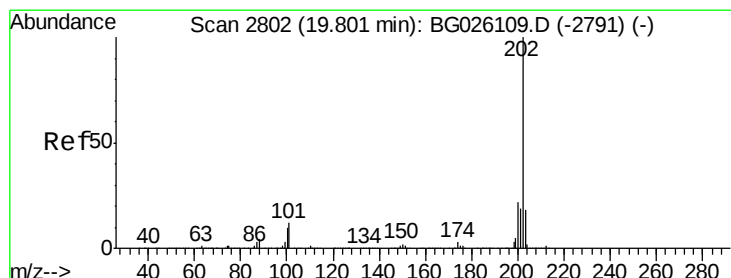
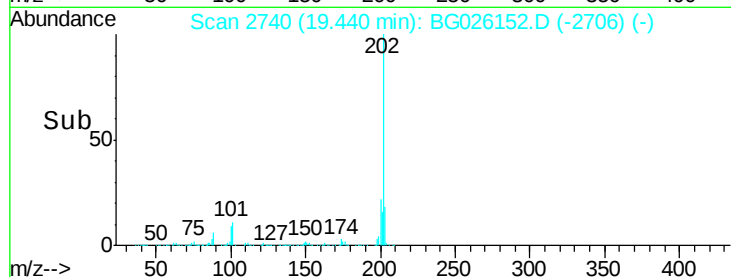
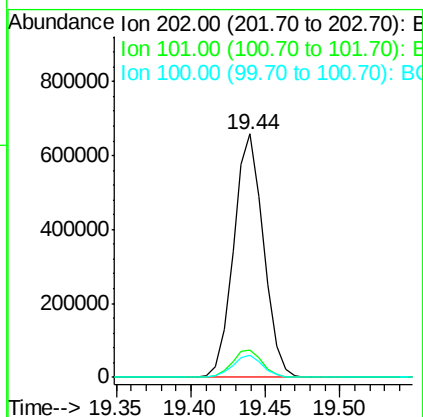
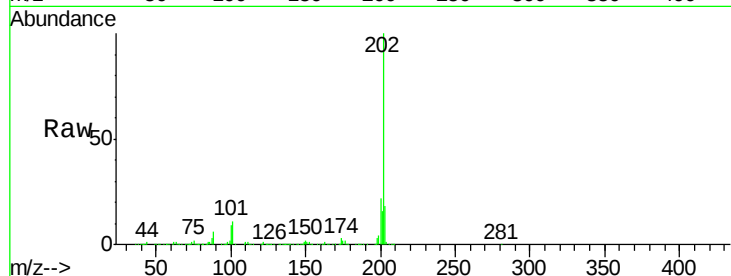




#17
Fluoranthene
 Concen: 23.38 ng/ul
 RT: 19.44 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: BG026152.D
 Acq: 9 Mar 2017 16:39

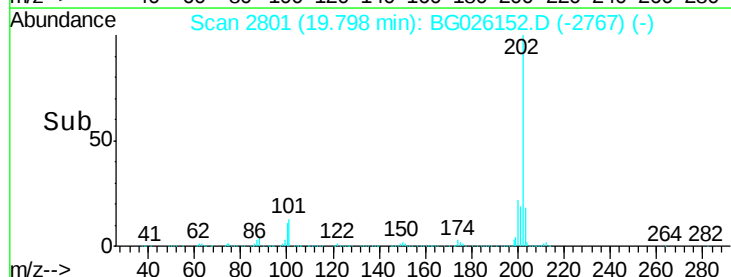
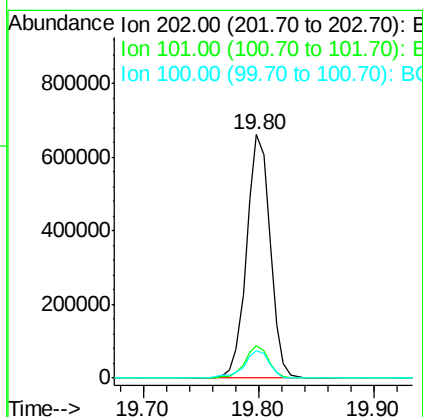
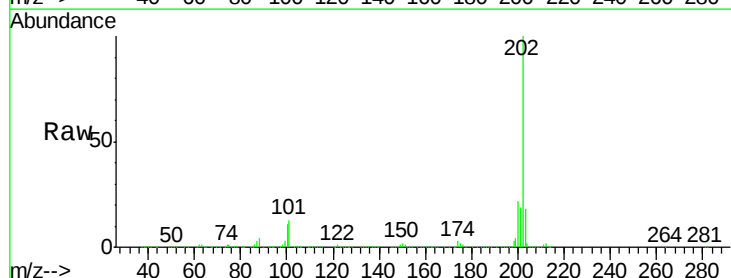
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02017

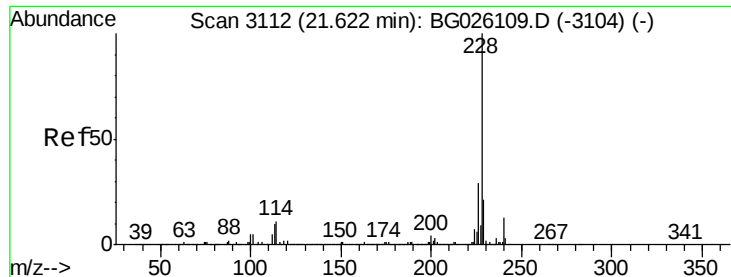
Tot Ion:202 Resp: 916964
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.8 14.8
 100 9.0 7.5 11.3



#20
Pyrene
 Concen: 18.34 ng/ul
 RT: 19.80 min Scan# 2801
 Delta R.T. 0.00 min
 Lab File: BG026152.D
 Acq: 9 Mar 2017 16:39

Tgt Ion:202 Resp: 939699
 Ion Ratio Lower Upper
 202 100
 101 13.4 11.2 16.8
 100 11.1 9.8 14.6

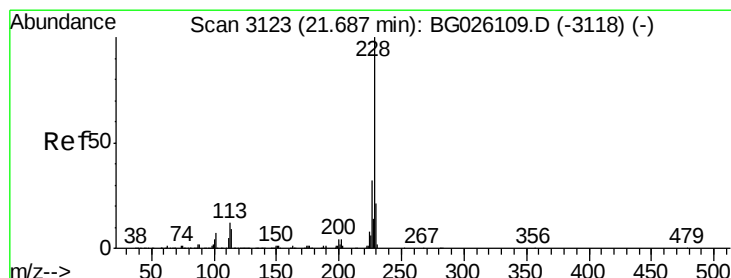
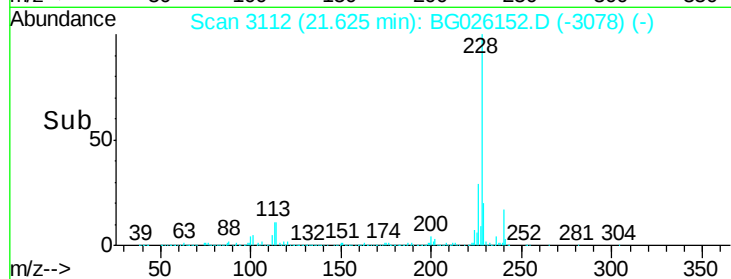
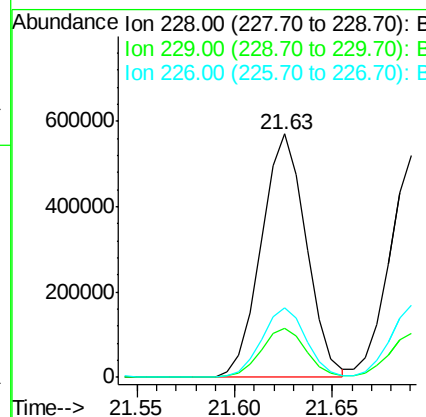
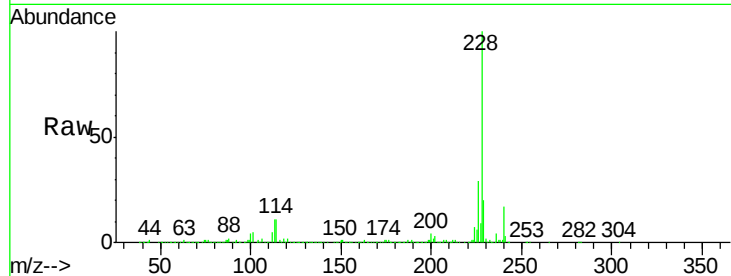




#21
Benzo(a)anthracene
Concen: 20.29 ng/ul
RT: 21.63 min Scan# 3112
Delta R.T. 0.00 min
Lab File: BG026152.D
Acq: 9 Mar 2017 16:39

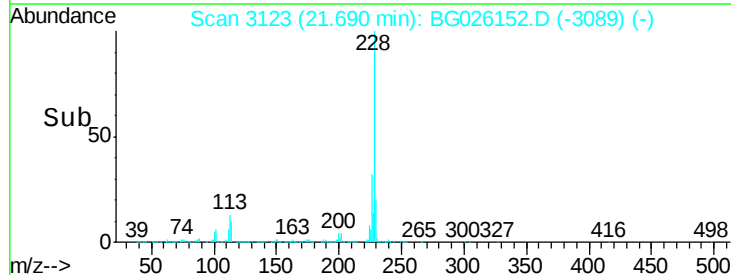
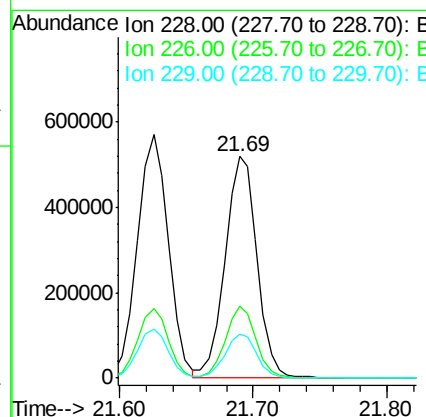
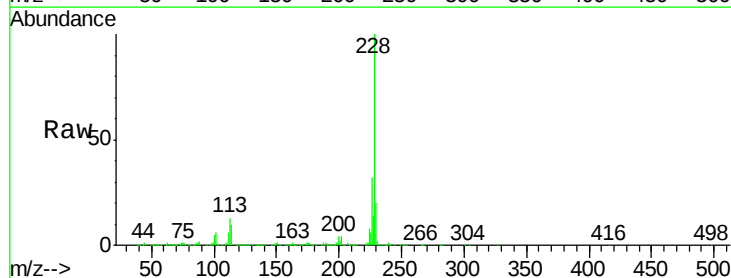
Instrument :
BNA_G
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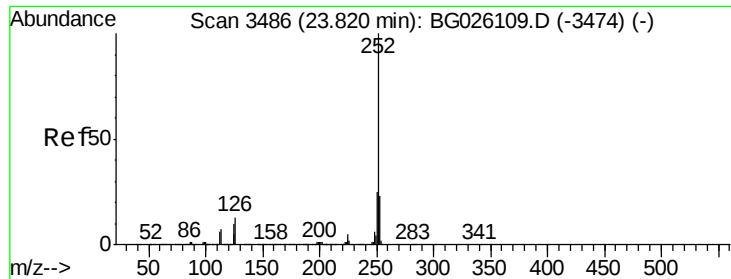
Tot Ion:228 Resp: 908490
Ion Ratio Lower Upper
228 100
229 20.4 15.9 23.9
226 28.7 22.1 33.1



#22
Chrysene
Concen: 20.71 ng/ul
RT: 21.69 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BG026152.D
Acq: 9 Mar 2017 16:39

Tgt Ion:228 Resp: 865366
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 20.0 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 20.34 ng/ul

RT: 23.82 min Scan# 3486

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Instrument :

BNA_G

ClientSampleId :

SSTD02017

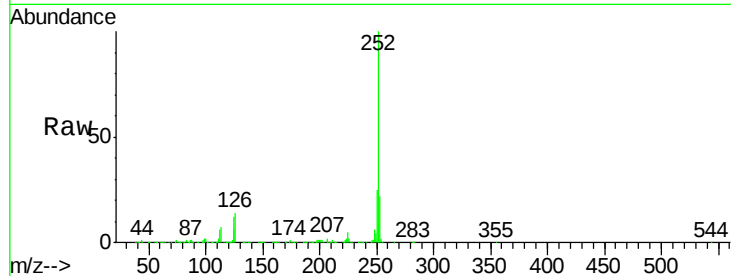
Tot Ion:252 Resp: 898373

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

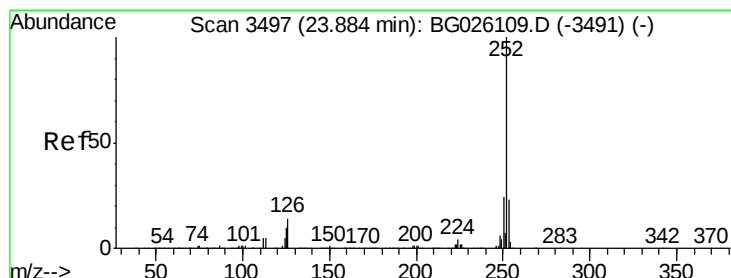
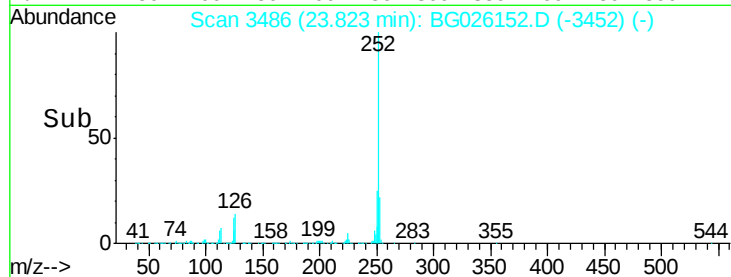
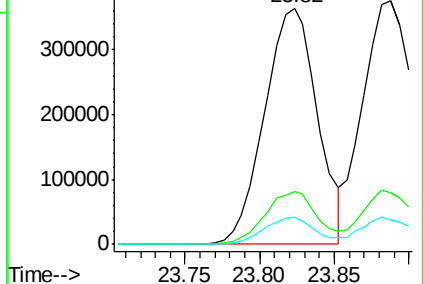
125 11.5 9.4 14.0



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: 21.29 ng/ul

RT: 23.89 min Scan# 3497

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

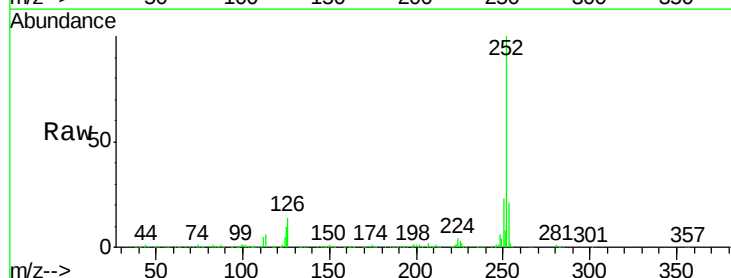
Tgt Ion:252 Resp: 898137

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

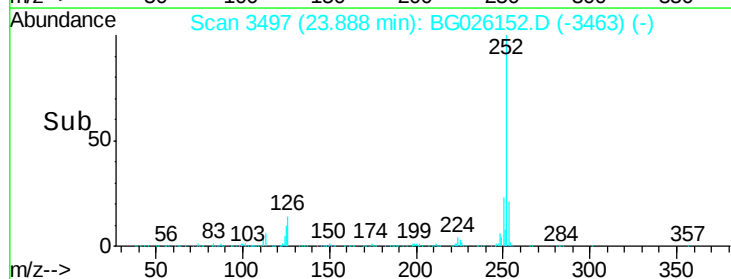
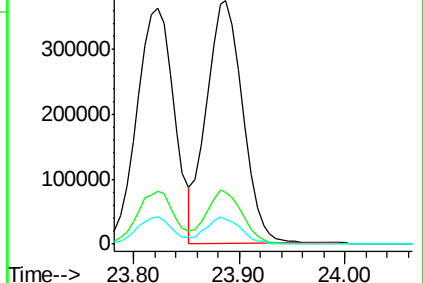
125 10.3 8.8 13.2

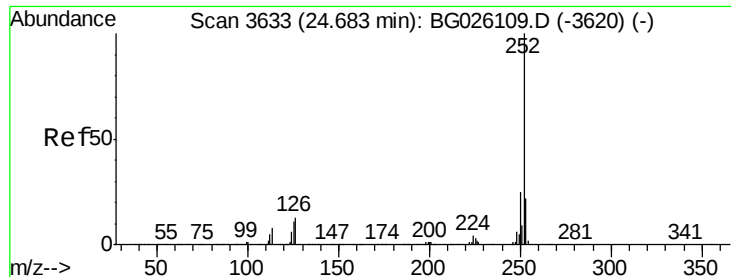


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

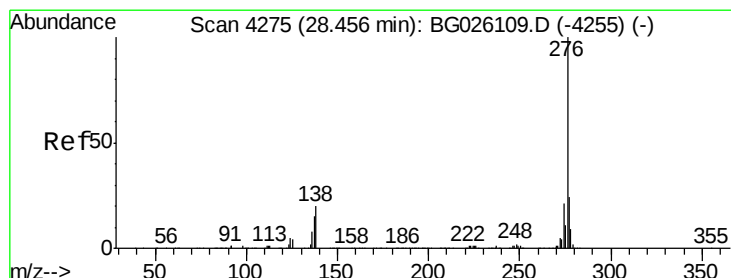
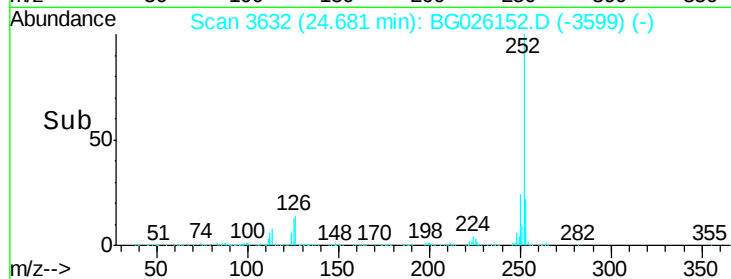
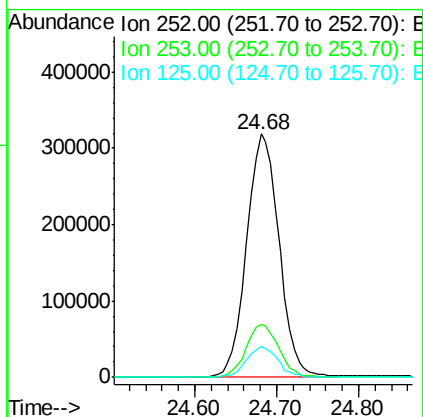
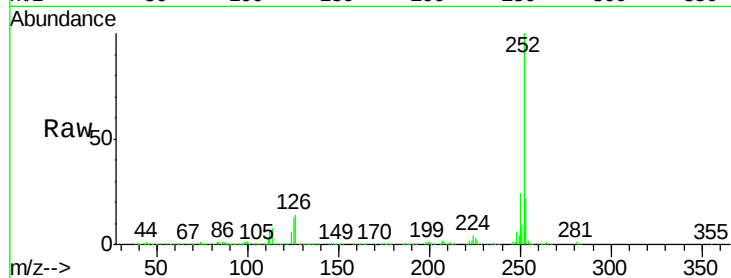




#27
Benzo(a)pyrene
Concen: 21.34 ng/ul
RT: 24.68 min Scan# 3632
Delta R.T. -0.01 min
Lab File: BG026152.D
Acq: 9 Mar 2017 16:39

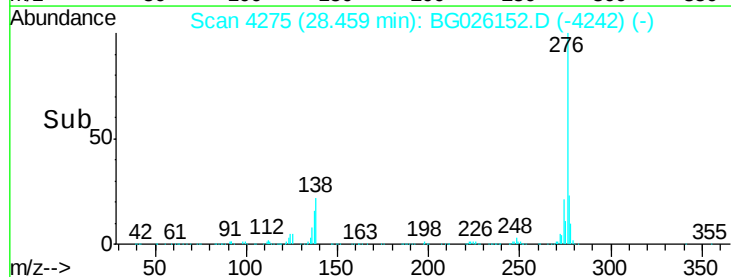
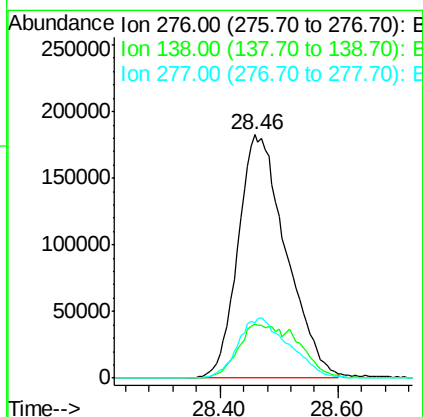
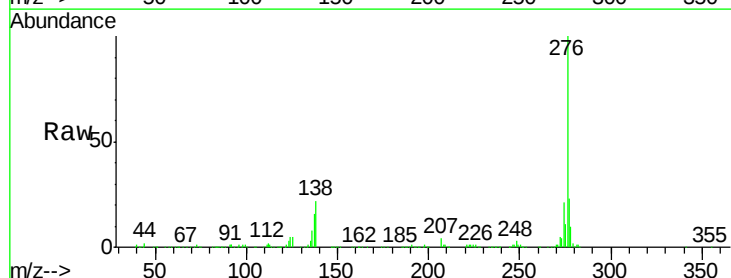
Instrument :
BNA_G
ClientSampleId :
SSTD02017

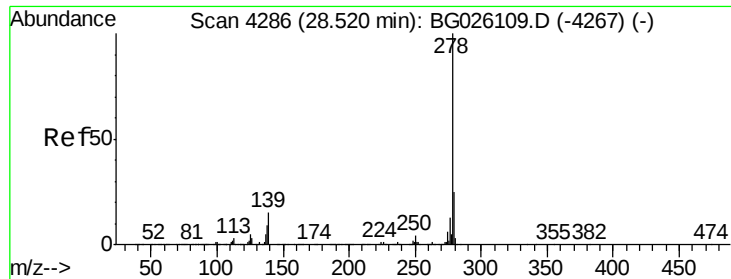
Tot Ion:252 Resp: 875859
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 12.7 9.4 14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 22.54 ng/ul
RT: 28.46 min Scan# 4275
Delta R.T. -0.01 min
Lab File: BG026152.D
Acq: 9 Mar 2017 16:39

Tgt Ion:276 Resp: 1031052
Ion Ratio Lower Upper
276 100
138 22.0 17.8 26.6
277 22.8 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 23.63 ng/ul

RT: 28.52 min Scan# 4286

Delta R.T. 0.00 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

Instrument :

BNA_G

ClientSampleId :

SSTD02017

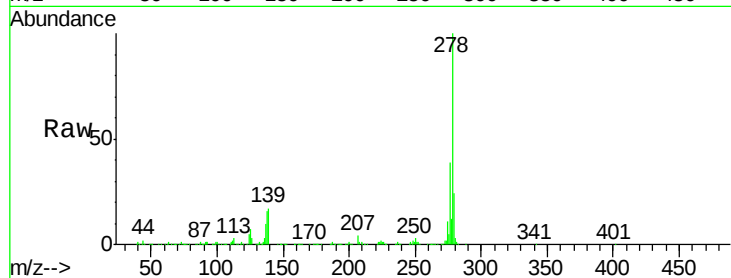
Tot Ion:278 Resp: 849657

Ion Ratio Lower Upper

278 100

139 16.6 14.0 21.0

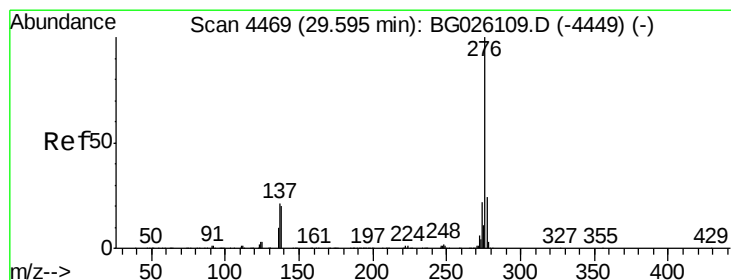
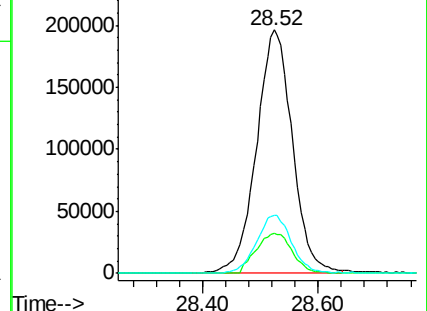
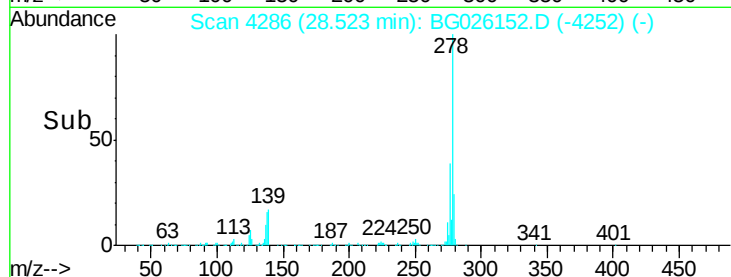
279 24.0 20.6 31.0



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: 21.96 ng/ul

RT: 29.60 min Scan# 4469

Delta R.T. -0.01 min

Lab File: BG026152.D

Acq: 9 Mar 2017 16:39

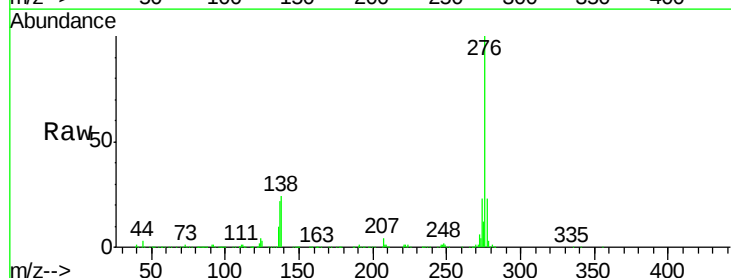
Tgt Ion:276 Resp: 856413

Ion Ratio Lower Upper

276 100

138 23.8 19.0 28.4

277 22.8 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

