

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026248.D
 Acq On : 16 Mar 2017 00:17
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02027

Quant Time: Mar 16 03:55:07 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 03:52:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56038	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	296410	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	206341	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	510592	20.00	ng/ul	0.00
17) Chrysene-d12	21.64	240	510098	20.00	ng/ul	0.00
22) Perylene-d12	24.81	264	468527	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.36	160	407419	23.84	ng/ul	0.00
10) Fluorene-d10	15.64	176	303006	23.09	ng/ul	0.00
14) Anthracene-d10	17.49	188	462274	20.03	ng/ul	0.00
18) Pyrene-d10	19.76	212	472935	19.24	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	413324	19.93	ng/ul	0.00

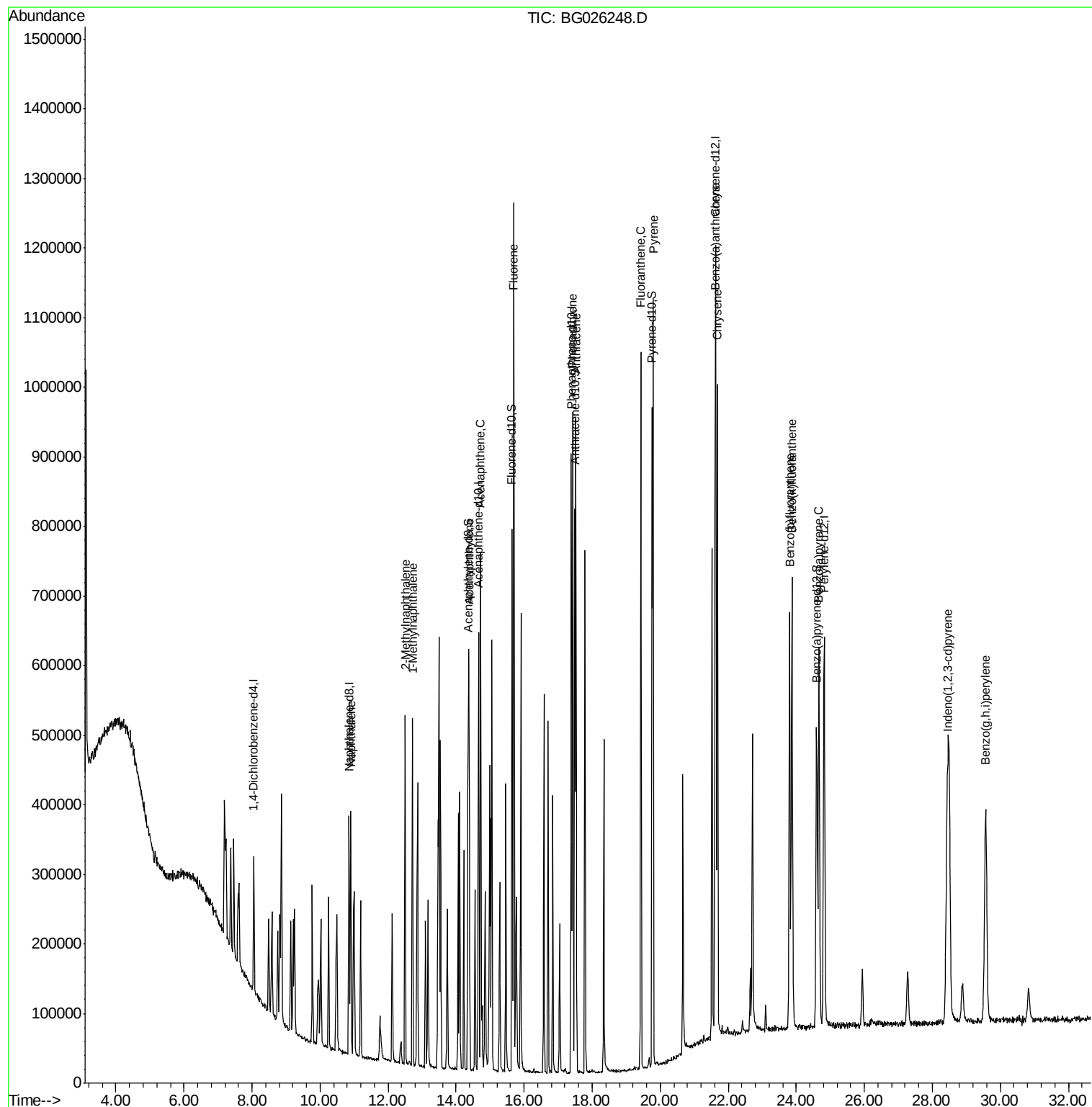
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.90	128	302573	20.70	ng/ul	99
4) 2-Methylnaphthalene	12.50	142	237385	20.61	ng/ul	100
5) 1-Methylnaphthalene	12.72	142	235088	20.93	ng/ul#	95
8) Acenaphthylene	14.38	152	416792	23.81	ng/ul	98
9) Acenaphthene	14.72	153	299569	23.95	ng/ul	97
11) Fluorene	15.70	166	362066	24.67	ng/ul	96
13) Phenanthrene	17.43	178	587679	21.58	ng/ul	97
15) Anthracene	17.52	178	573259	20.72	ng/ul	97
16) Fluoranthene	19.43	202	595789	19.90	ng/ul	98
19) Pyrene	19.79	202	622416	20.16	ng/ul#	95
20) Benzo(a)anthracene	21.61	228	577168	20.11	ng/ul	98
21) Chrysene	21.68	228	560473	20.44	ng/ul	98
23) Benzo(b)fluoranthene	23.80	252	565080	20.87	ng/ul#	95
24) Benzo(k)fluoranthene	23.87	252	541978	20.73	ng/ul#	96
26) Benzo(a)pyrene	24.67	252	536243	20.47	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	28.43	276	642828	20.95	ng/ul#	90
29) Benzo(g,h,i)perylene	29.57	276	534513	21.11	ng/ul#	91

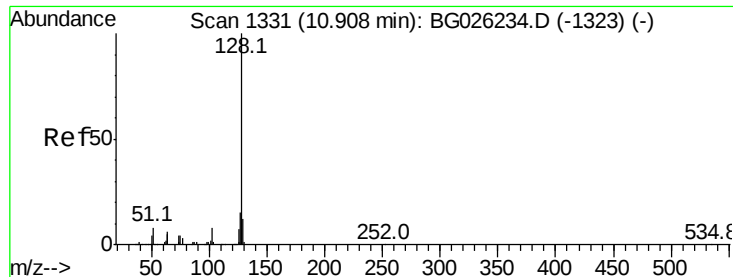
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.70 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

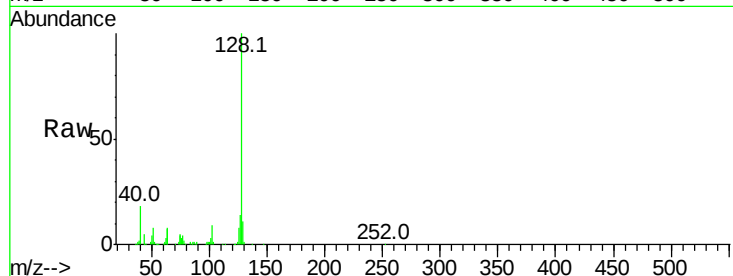
Tot Ion:128 Resp: 302573

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

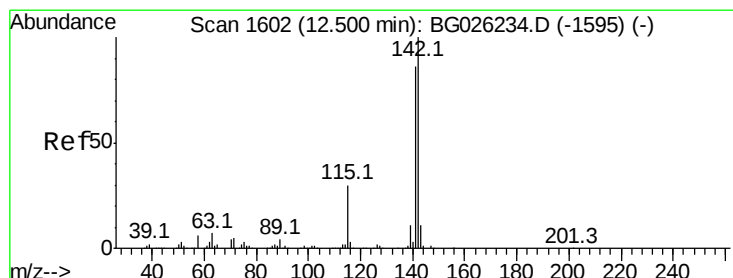
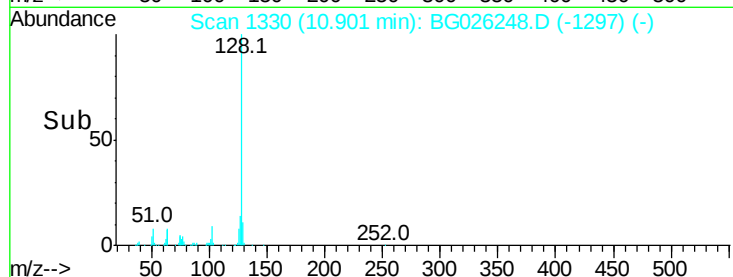
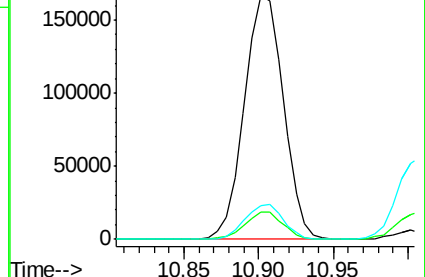
127 13.8 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.61 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BG026248.D

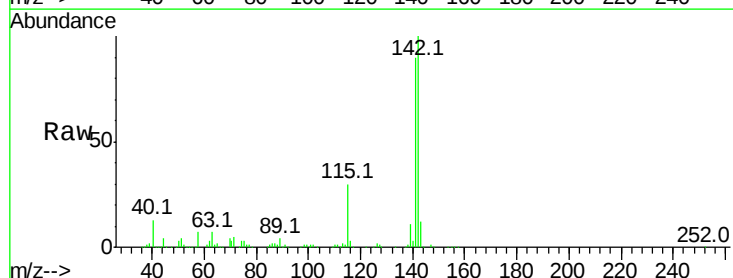
Acq: 16 Mar 2017 00:17

Tgt Ion:142 Resp: 237385

Ion Ratio Lower Upper

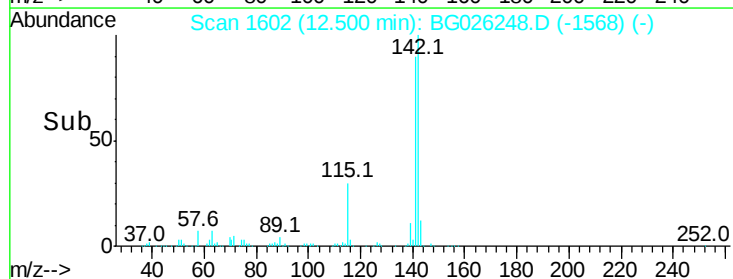
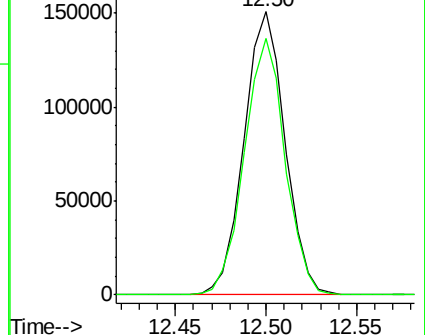
142 100

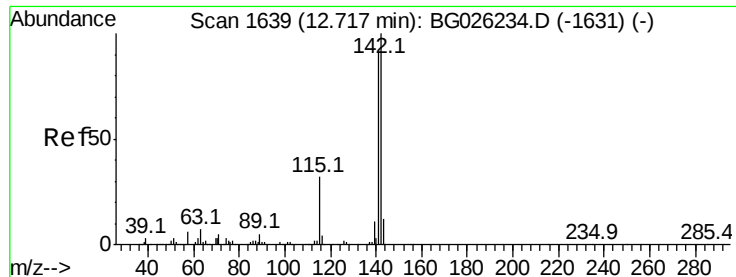
141 90.4 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.93 ng/ul

RT: 12.72 min Scan# 1639

Delta R.T. -0.00 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

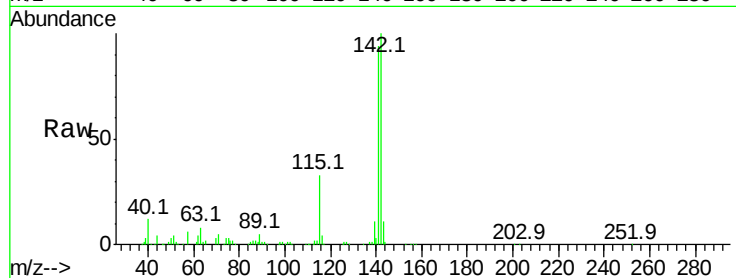
Tot Ion:142 Resp: 235088

Ion Ratio Lower Upper

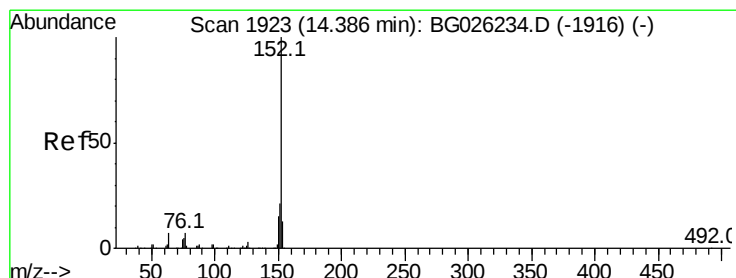
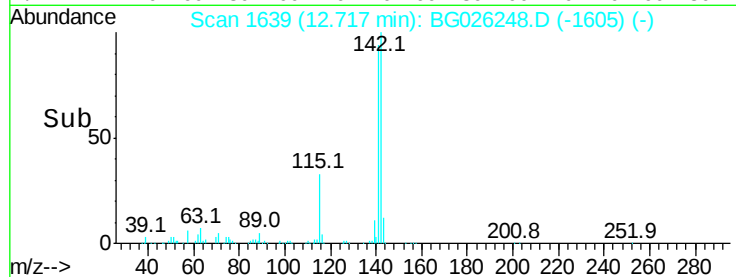
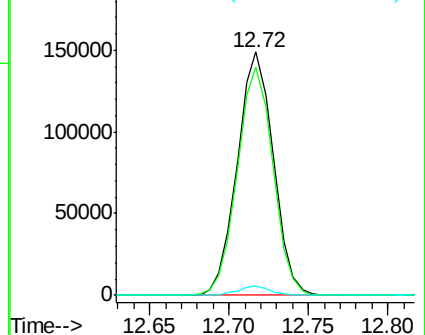
142 100

141 93.9 79.3 118.9

116 3.7 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 23.81 ng/ul

RT: 14.38 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

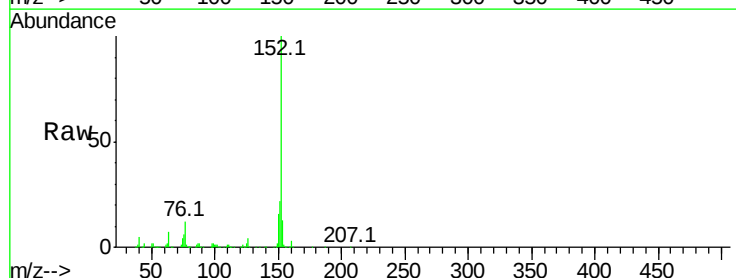
Tgt Ion:152 Resp: 416792

Ion Ratio Lower Upper

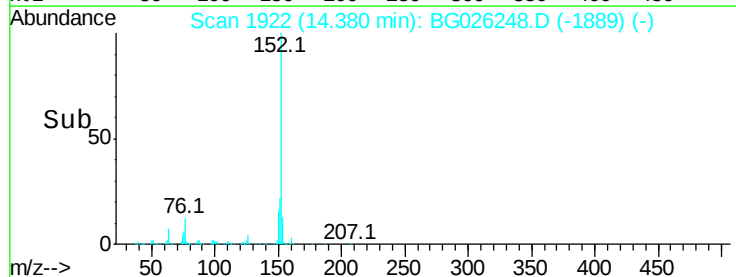
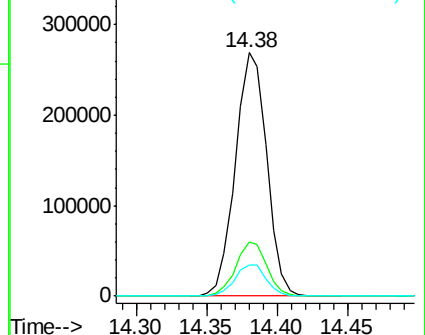
152 100

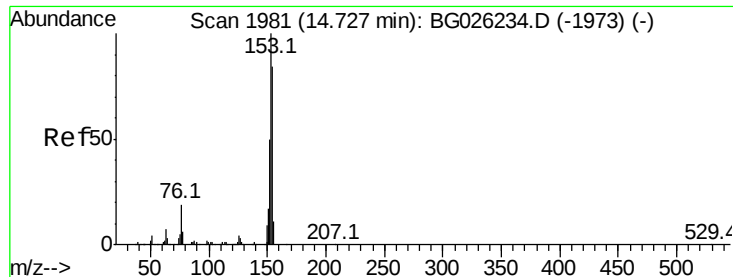
151 22.0 16.7 25.1

153 13.0 10.2 15.4



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: 23.95 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

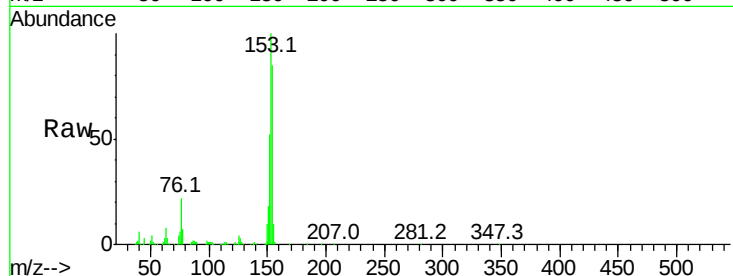
Tot Ion:153 Resp: 299569

Ion Ratio Lower Upper

153 100

152 51.7 39.0 58.6

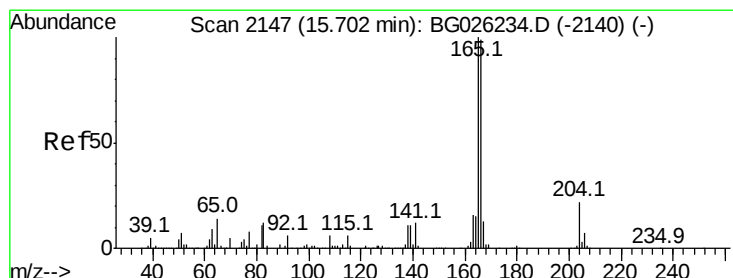
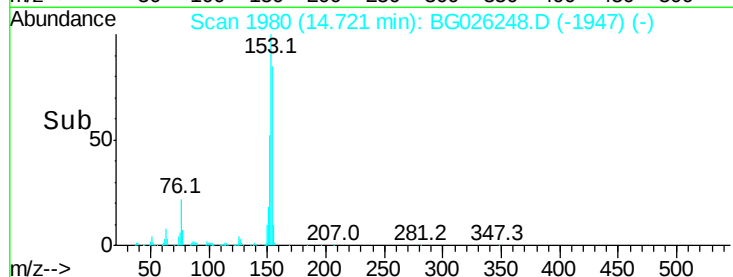
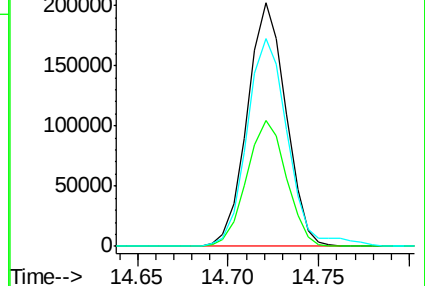
154 85.2 66.8 100.2



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: 24.67 ng/ul

RT: 15.70 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

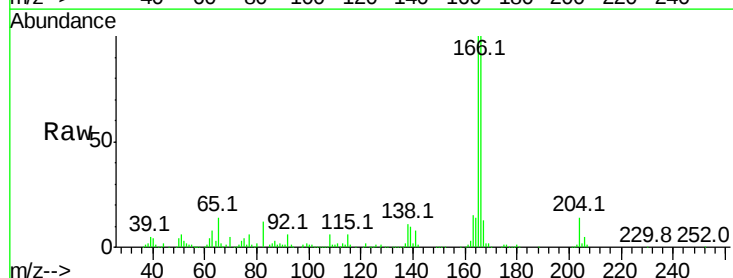
Tgt Ion:166 Resp: 362066

Ion Ratio Lower Upper

166 100

165 100.3 83.8 125.8

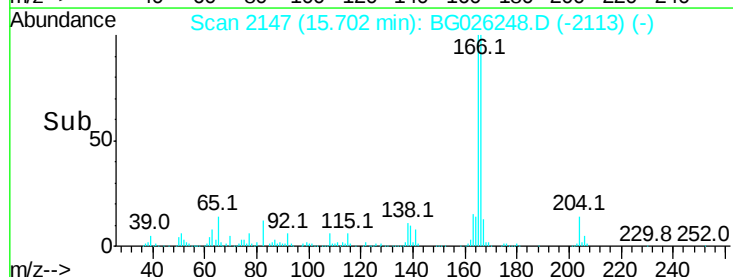
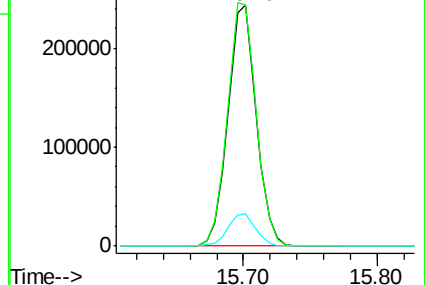
167 13.4 11.5 17.3

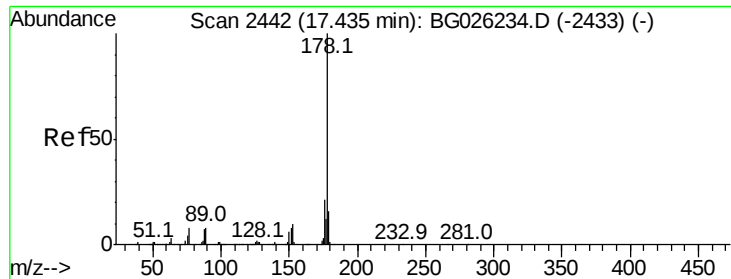


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 21.58 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

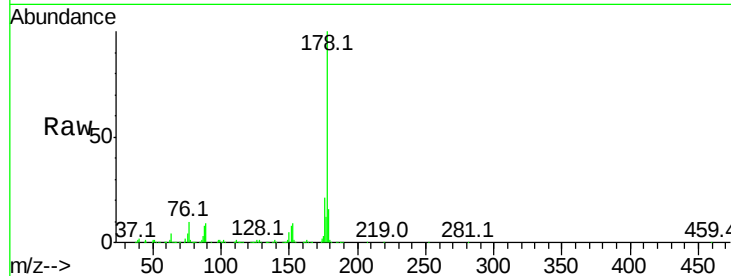
Tot Ion:178 Resp: 587679

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

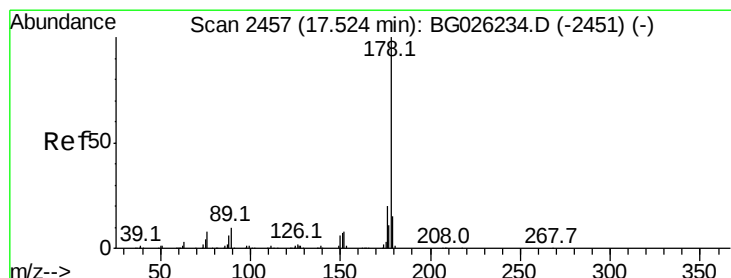
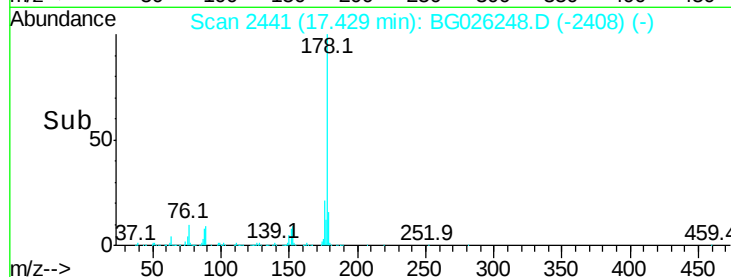
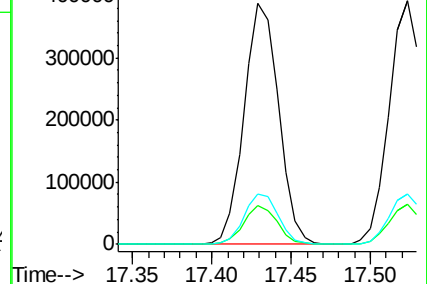
176 21.0 15.1 22.7



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



#15

Anthracene

Concen: 20.72 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

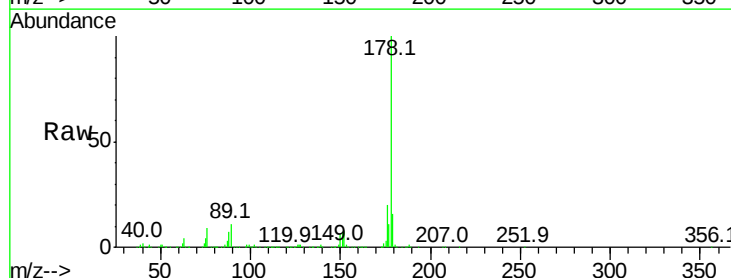
Tgt Ion:178 Resp: 573259

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

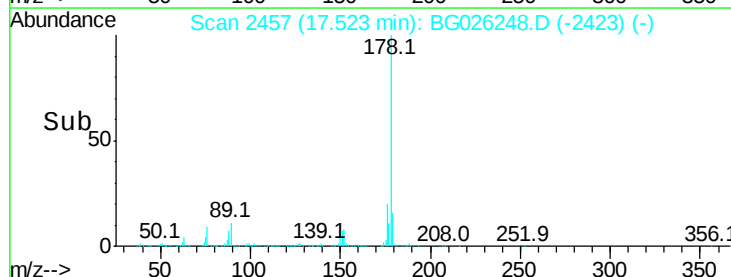
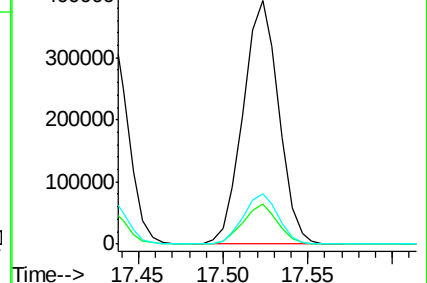
176 20.5 15.2 22.8

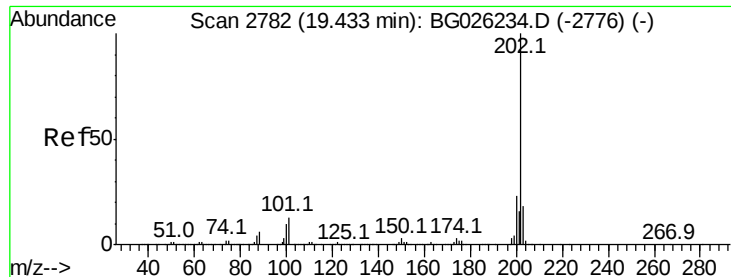


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

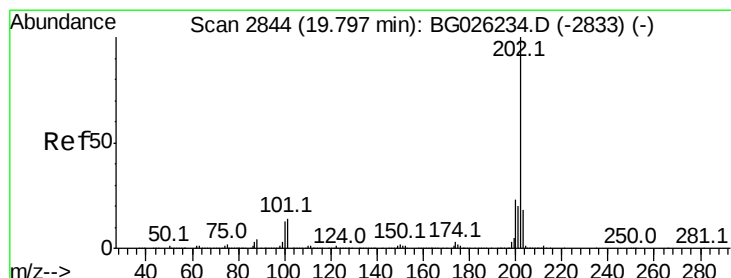
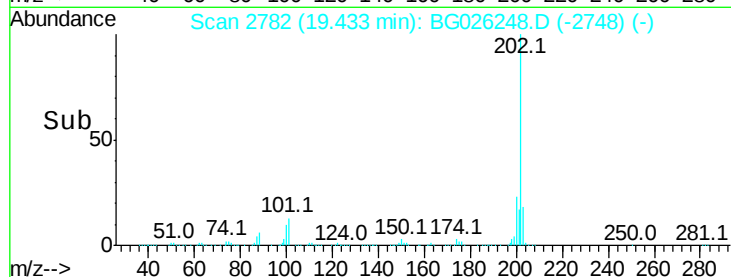
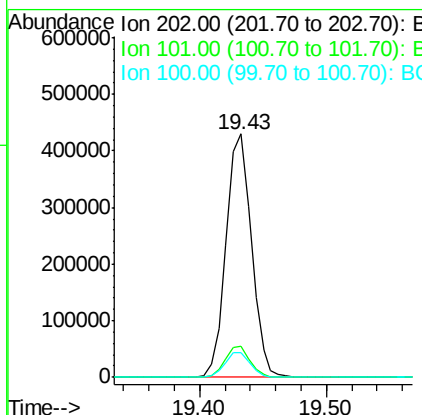
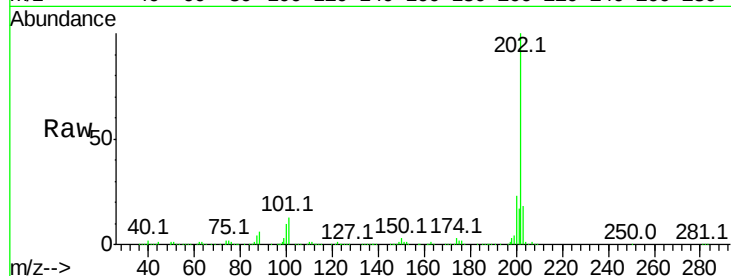




#16
 Fluoranthene
 Concen: 19.90 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026248.D
 Acq: 16 Mar 2017 00:17

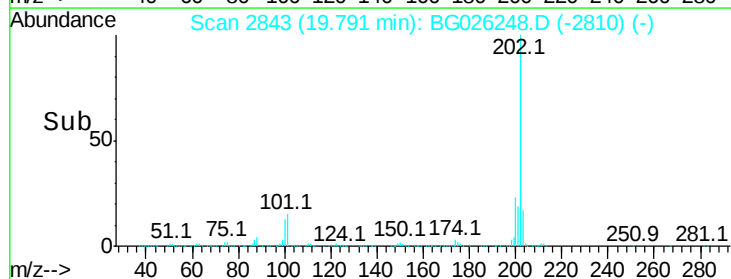
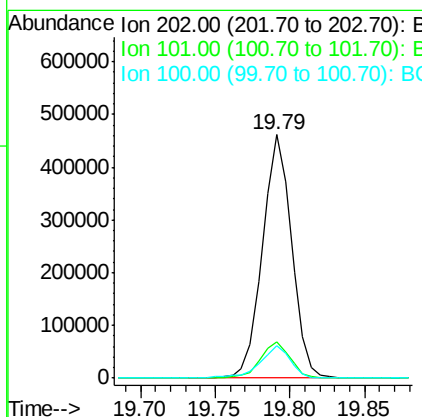
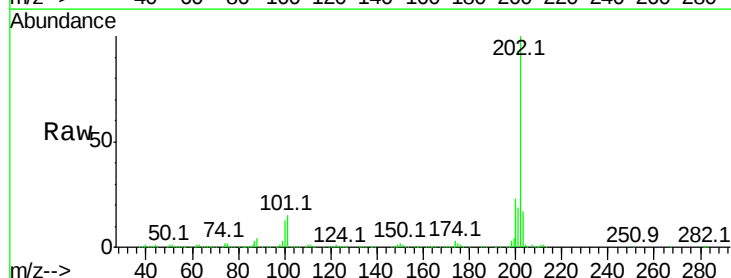
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02027

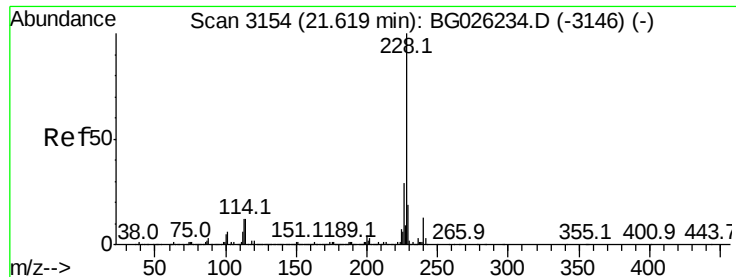
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.9	14.9
100	10.0	7.4	11.0



#19
 Pyrene
 Concen: 20.16 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG026248.D
 Acq: 16 Mar 2017 00:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.0	16.4
100	13.2	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 20.11 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

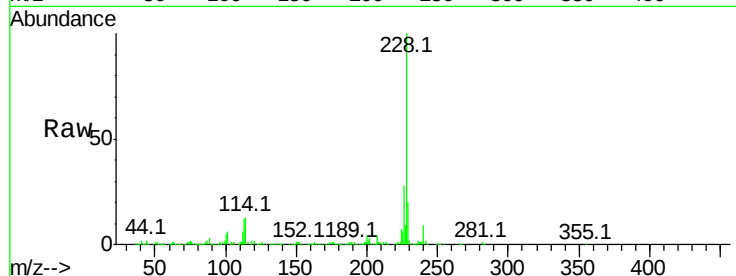
Tot Ion:228 Resp: 577168

Ion Ratio Lower Upper

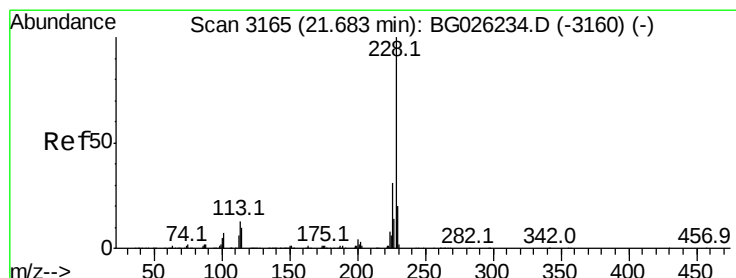
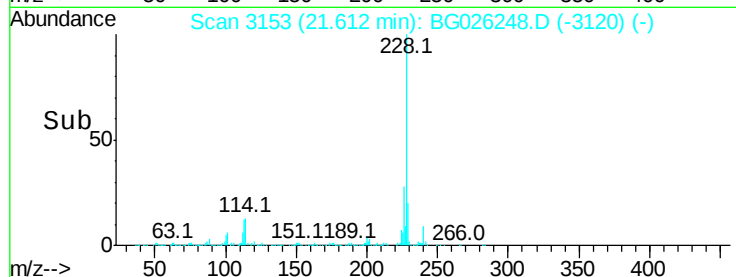
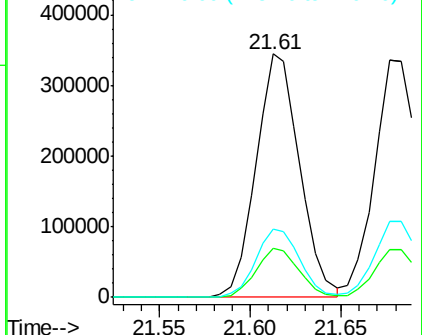
228 100

229 20.1 15.7 23.5

226 28.1 21.1 31.7



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



#21

Chrysene

Concen: 20.44 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

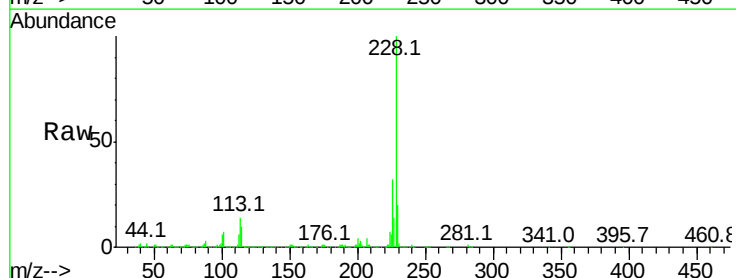
Tgt Ion:228 Resp: 560473

Ion Ratio Lower Upper

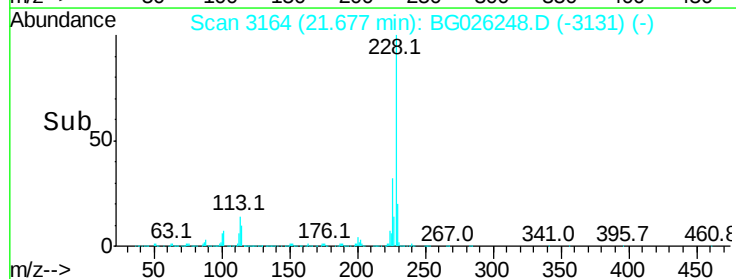
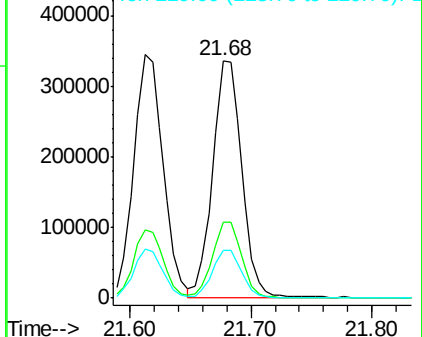
228 100

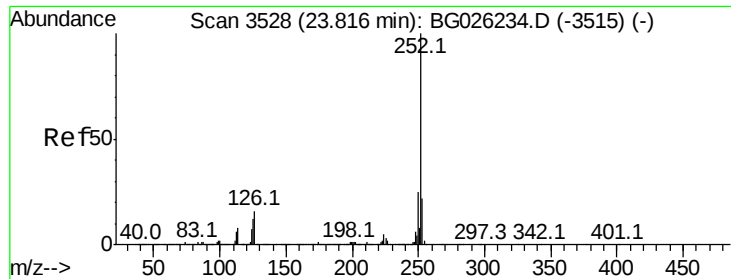
226 31.9 24.5 36.7

229 20.2 15.8 23.8



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

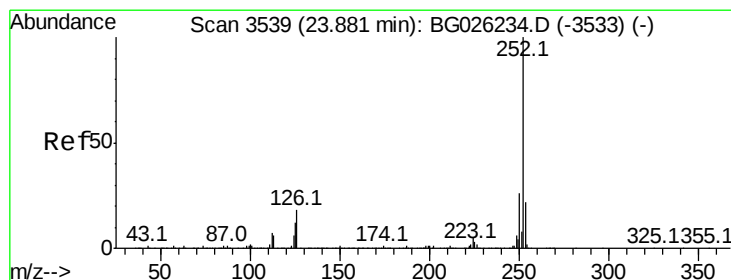
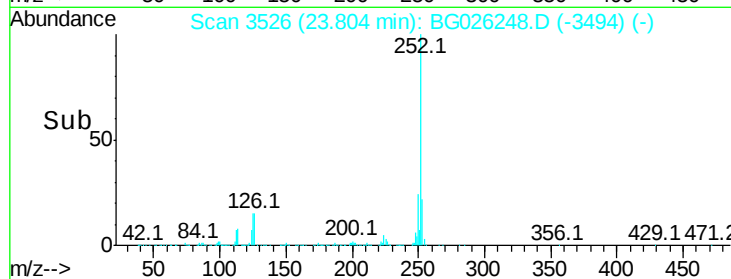
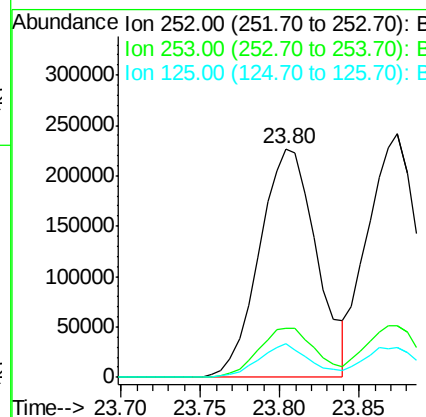
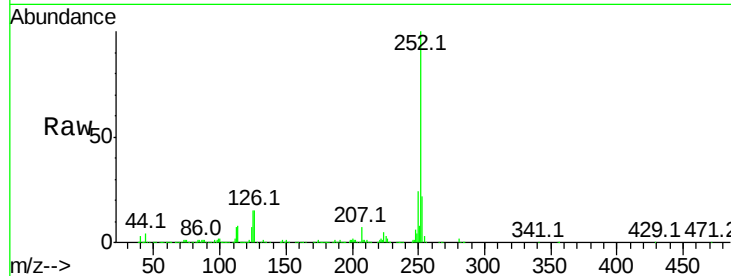




#23
Benzo(b)fluoranthene
Concen: 20.87 ng/ul
RT: 23.80 min Scan# 3526
Delta R.T. -0.01 min
Lab File: BG026248.D
Acq: 16 Mar 2017 00:17

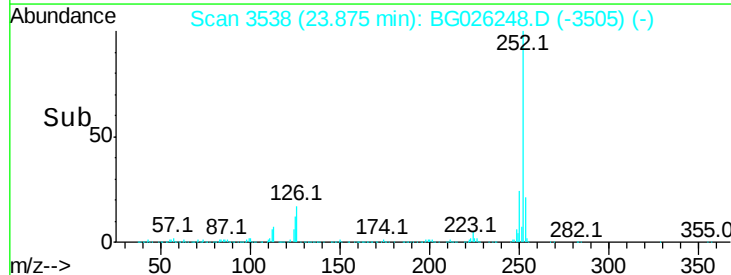
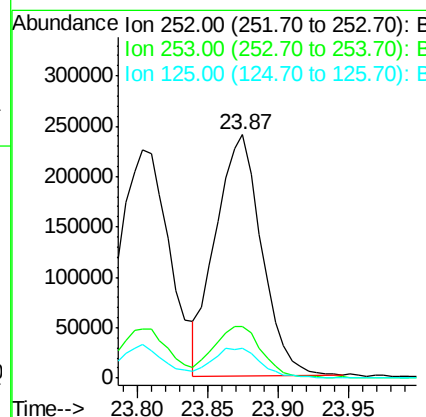
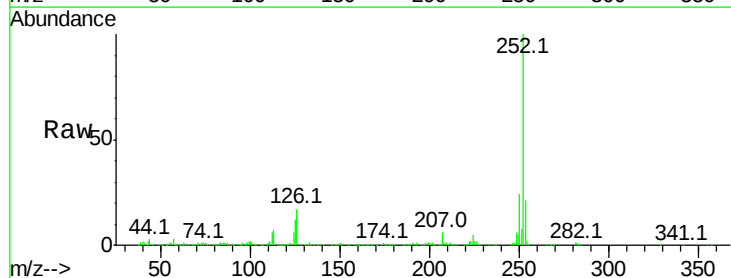
Instrument :
BNA_G
ClientSampleId :
SSTD02027

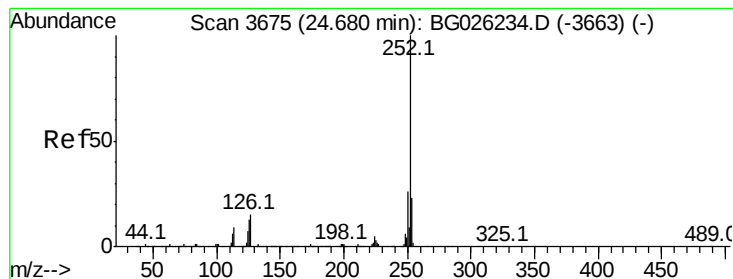
Tot Ion:252 Resp: 565080
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 14.7 8.0 12.0#



#24
Benzo(k)fluoranthene
Concen: 20.73 ng/ul
RT: 23.87 min Scan# 3538
Delta R.T. -0.01 min
Lab File: BG026248.D
Acq: 16 Mar 2017 00:17

Tgt Ion:252 Resp: 541978
Ion Ratio Lower Upper
252 100
253 21.3 18.0 27.0
125 12.3 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 20.47 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

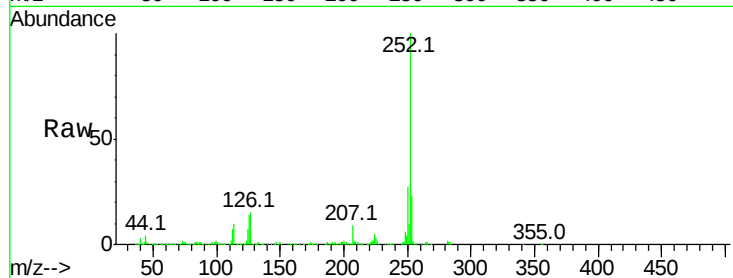
Tot Ion:252 Resp: 536243

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

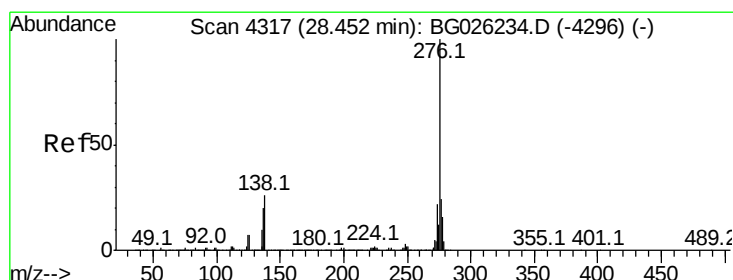
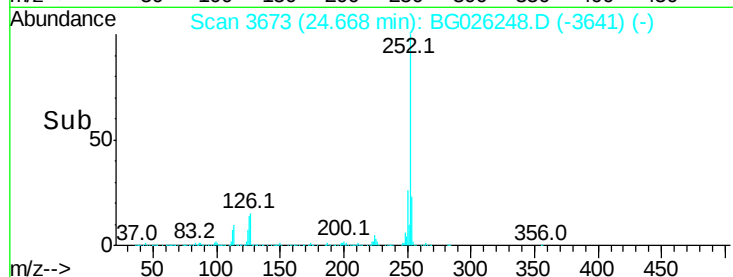
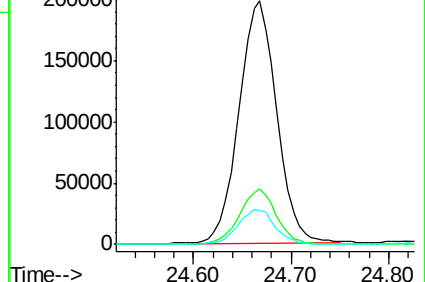
125 13.7 8.2 12.4#



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

Indeno(1,2,3-cd)pyrene

Concen: 20.95 ng/ul

RT: 28.43 min Scan# 4314

Delta R.T. -0.02 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

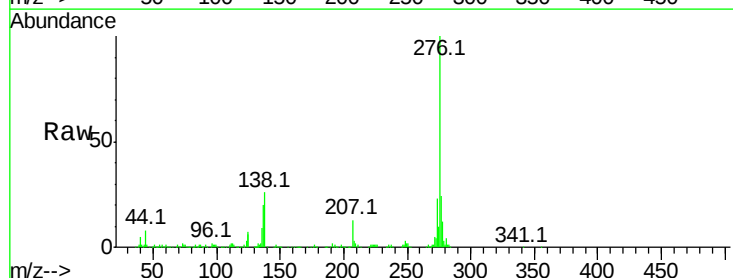
Tgt Ion:276 Resp: 642828

Ion Ratio Lower Upper

276 100

138 25.8 14.4 21.6#

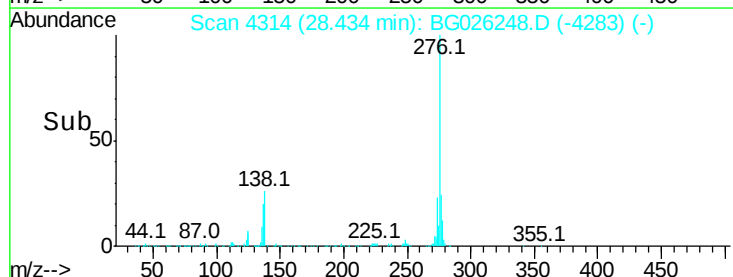
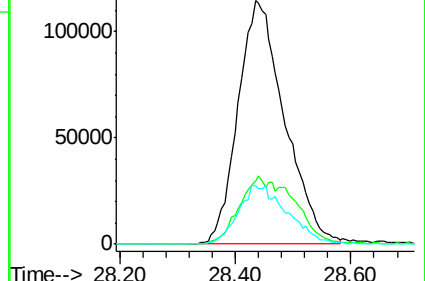
277 24.0 18.0 27.0

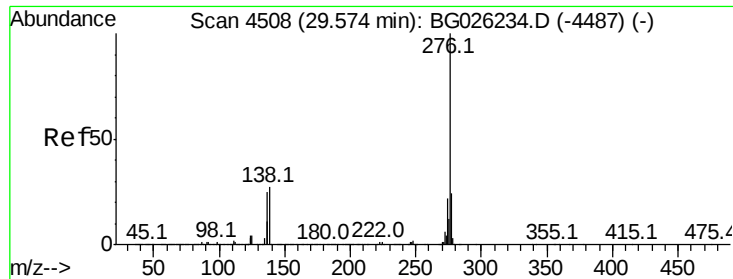


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 21.11 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. -0.01 min

Lab File: BG026248.D

Acq: 16 Mar 2017 00:17

Instrument :

BNA_G

ClientSampleId :

SSTD02027

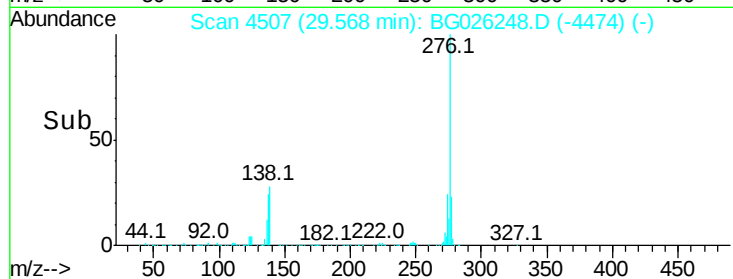
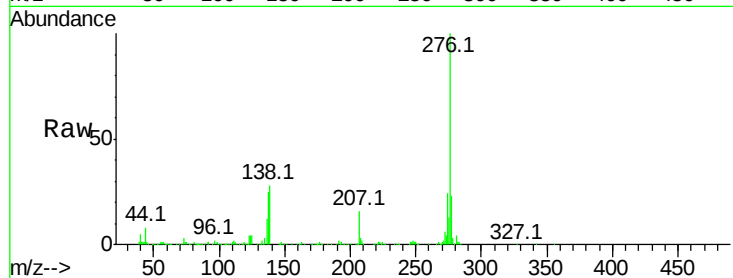
Tot Ion: 276 Resp: 534513

Ion Ratio Lower Upper

276 100

138 27.9 15.3 22.9#

277 23.2 19.0 28.4



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

