

Data Path : Z:\HPCHEM1\BNA G\Data\BG052717\
 Data File : BG027174.D
 Acq On : 27 May 2017 18:10
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 29 03:21:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 27 17:00:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	56838	20.00	ng/ul	0.00
2) Naphthalene-d8	10.76	136	289421	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.58	164	173106	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	406218	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	433997	20.00	ng/ul	0.00
23) Perylene-d12	24.70	264	470530	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.39	165	81768	20.29	ng/uL	0.00
7) Acenaphthylene-d8	14.28	160	357425	20.72	ng/ul	0.00
10) Fluorene-d10	15.57	176	250666	21.23	ng/ul	0.00
15) Anthracene-d10	17.41	188	391441	19.97	ng/ul	0.00
19) Pyrene-d10	19.70	212	398591	16.71	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.48	264	427666	22.00	ng/ul	0.00

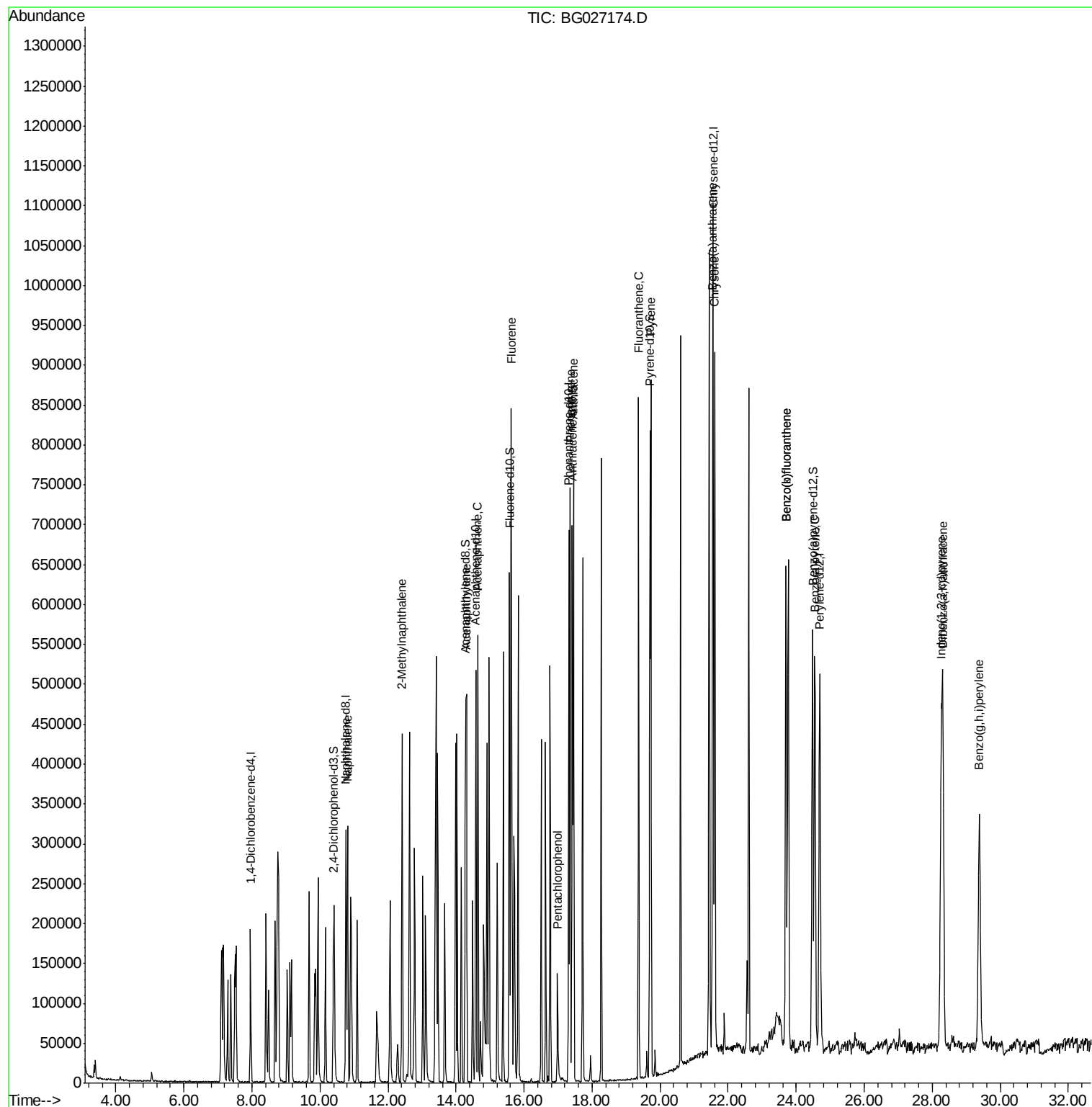
Target Compounds				Qvalue		
4) Naphthalene	10.81	128	286629	20.23	ng/ul	100
5) 2-Methylnaphthalene	12.41	142	216050	20.15	ng/ul	98
8) Acenaphthylene	14.31	152	360150	21.33	ng/ul	97
9) Acenaphthene	14.64	153	244161	21.23	ng/ul	96
11) Fluorene	15.62	166	280027	21.26	ng/ul	98
13) Pentachlorophenol	16.98	266	28637	16.49	ng/uL	97
14) Phenanthrene	17.36	178	445599	19.96	ng/ul	98
16) Anthracene	17.45	178	472171	20.31	ng/ul	97
17) Fluoranthene	19.36	202	498533	22.69	ng/ul	97
20) Pyrene	19.73	202	506336	17.07	ng/ul	97
21) Benzo(a)anthracene	21.54	228	503704	19.88	ng/ul	99
22) Chrysene	21.60	228	487792	21.26	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	523482	20.88	ng/ul	99
25) Benzo(k)fluoranthene	23.70	252	523482	21.57	ng/ul	98
27) Benzo(a)pyrene	24.55	252	483376	20.39	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	28.27	276	606941	19.43	ng/ul#	95
29) Dibenzo(a,h)anthracene	28.32	278	511289	19.56	ng/ul	96
30) Benzo(g,h,i)perylene	29.39	276	466541	18.74	ng/ul	94

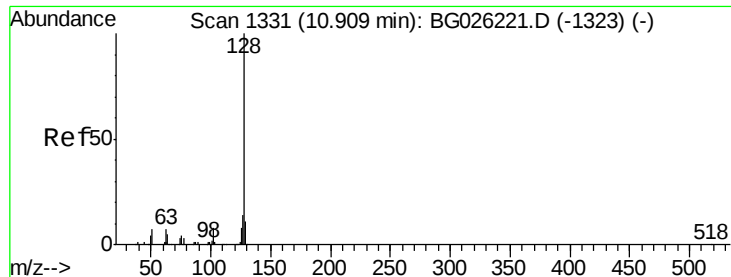
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\Data\BG052717\
Data File : BG027174.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 29 03:21:40 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 27 17:00:58 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.23 ng/ul

RT: 10.81 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampleId :

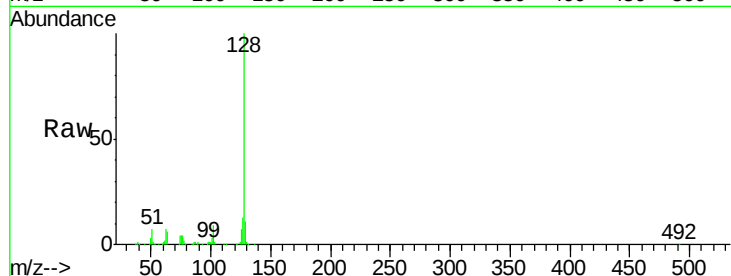
Tot Ion:128 Resp: 286629

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

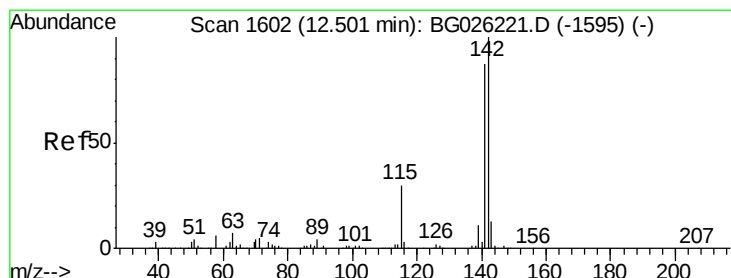
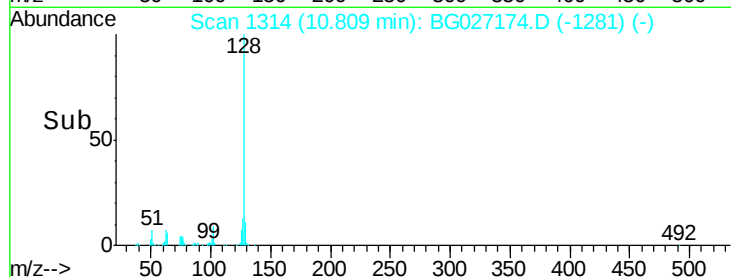
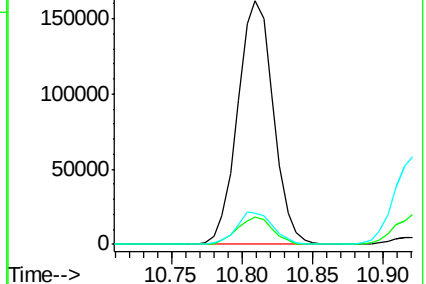
127 12.8 10.6 15.8



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: 20.15 ng/ul

RT: 12.41 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BG027174.D

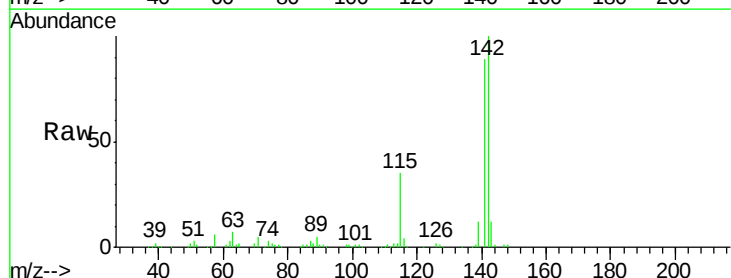
Acq: 27 May 2017 18:10

Tgt Ion:142 Resp: 216050

Ion Ratio Lower Upper

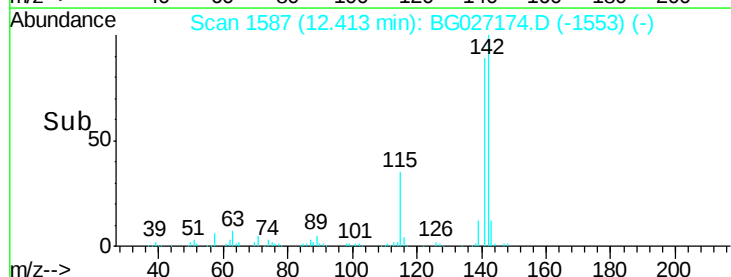
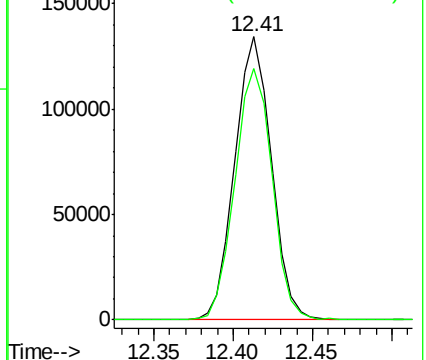
142 100

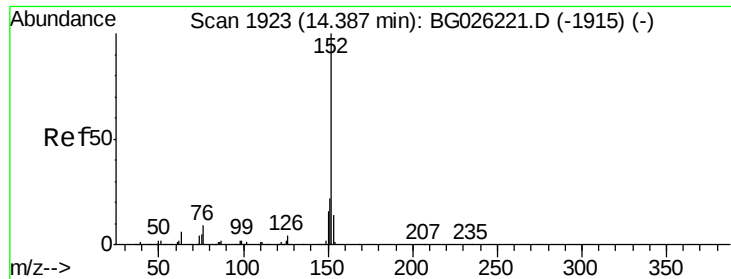
141 89.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.33 ng/ul

RT: 14.31 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BG027174.D

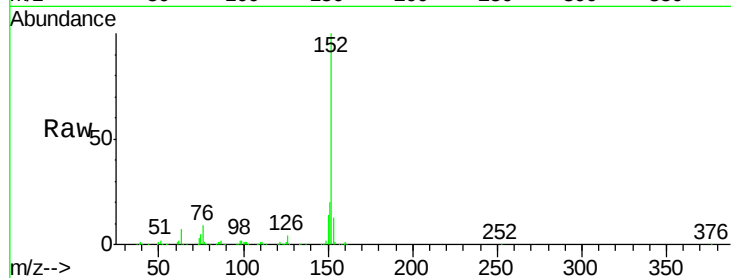
Acq: 27 May 2017 18:10

Instrument :

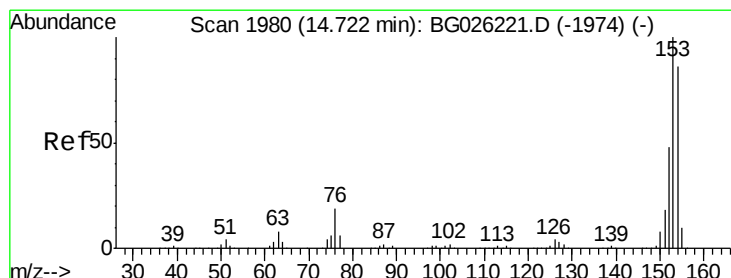
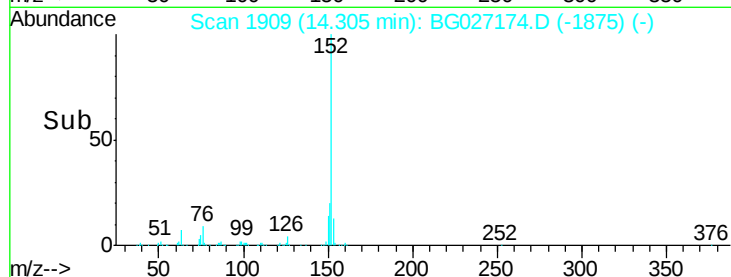
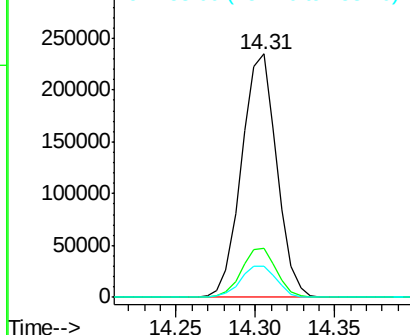
BNA_G

ClientSampleId :

Tot Ion:	152	Resp:	360150
Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.5	26.3
153	12.8	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: 21.23 ng/ul

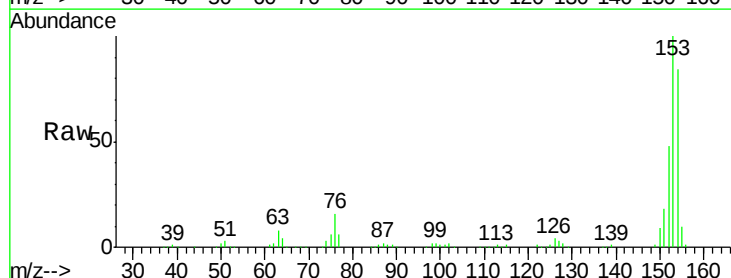
RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

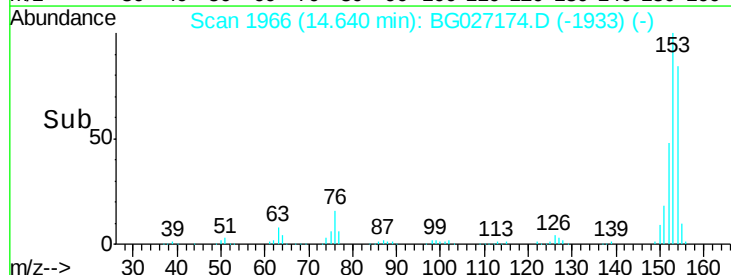
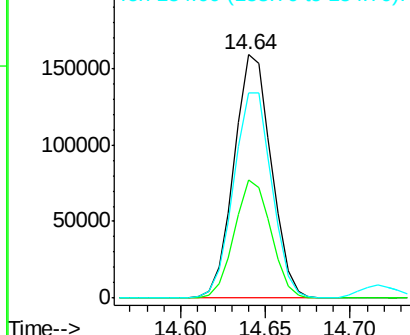
Lab File: BG027174.D

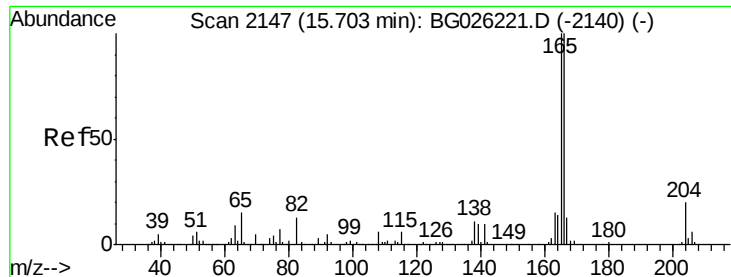
Acq: 27 May 2017 18:10

Tgt Ion:	153	Resp:	244161
Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.9	56.9
154	84.2	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: 21.26 ng/ul

RT: 15.62 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampled :

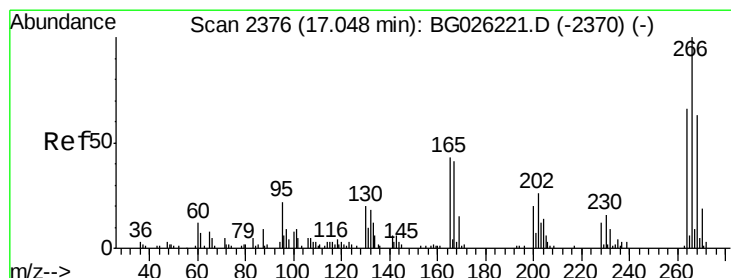
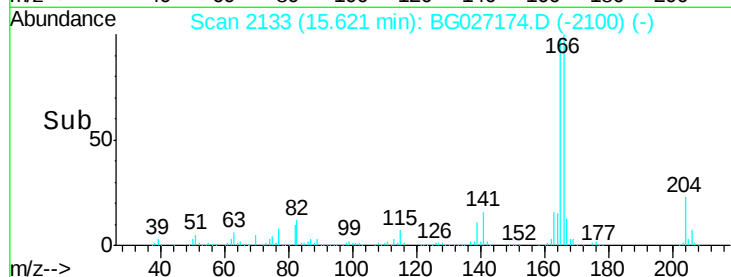
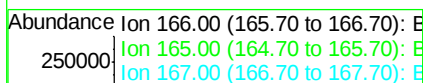
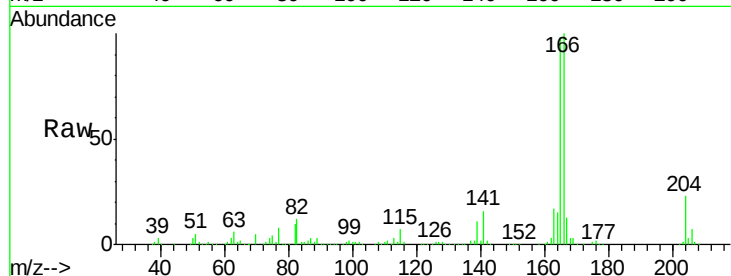
Tot Ion:166 Resp: 280027

Ion Ratio Lower Upper

166 100

165 98.2 80.0 120.0

167 12.7 11.6 17.4



#13

Pentachlorophenol

Concen: 16.49 ng/uL

RT: 16.98 min Scan# 2365

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

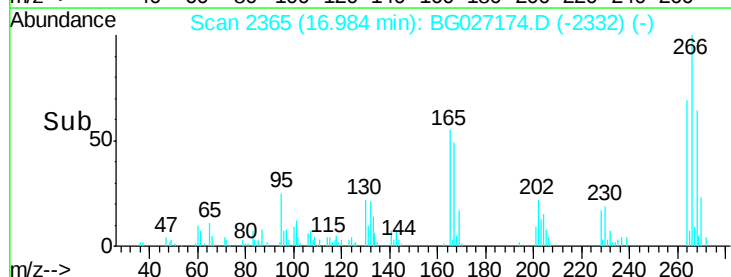
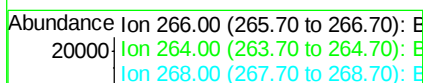
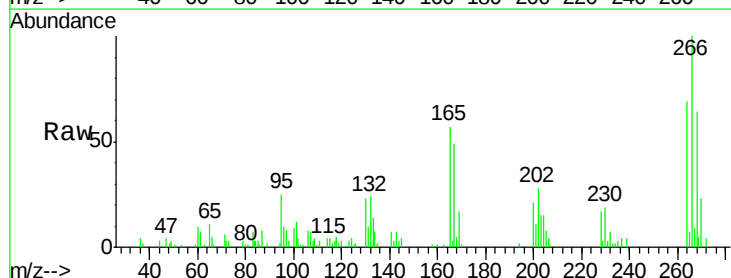
Tgt Ion:266 Resp: 28637

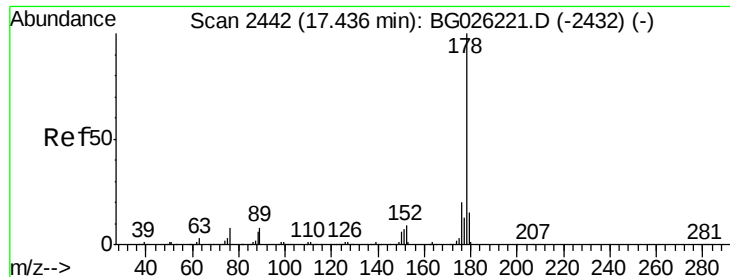
Ion Ratio Lower Upper

266 100

264 68.9 52.0 78.0

268 64.0 51.2 76.8

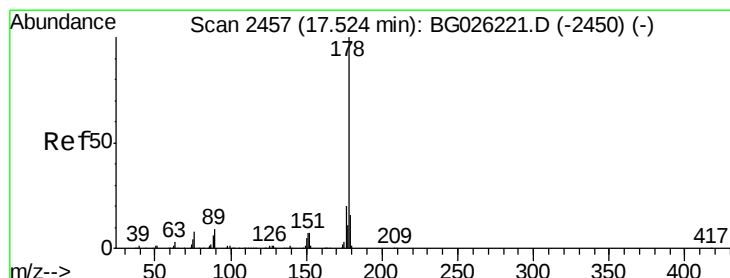
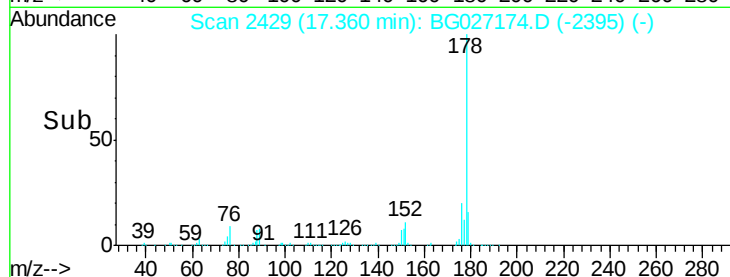
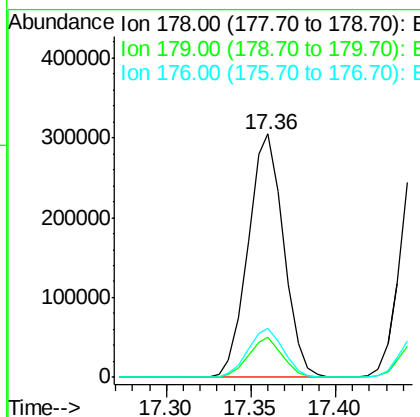
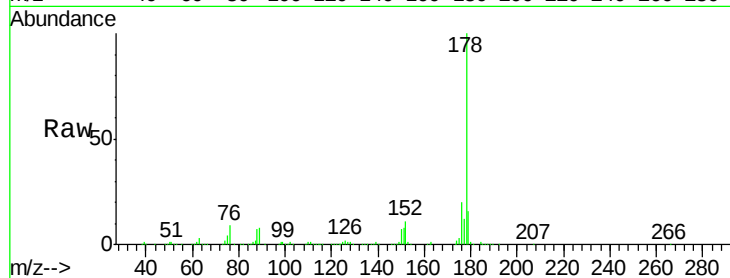




#14
Phenanthrene
Concen: 19.96 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BG027174.D
Acq: 27 May 2017 18:10

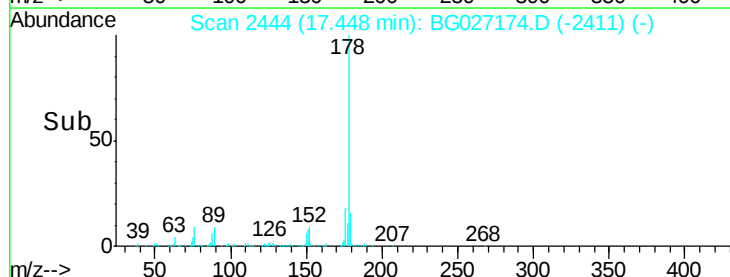
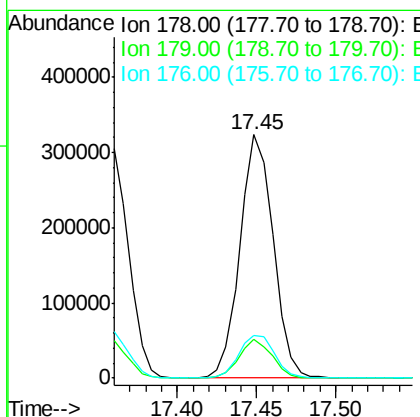
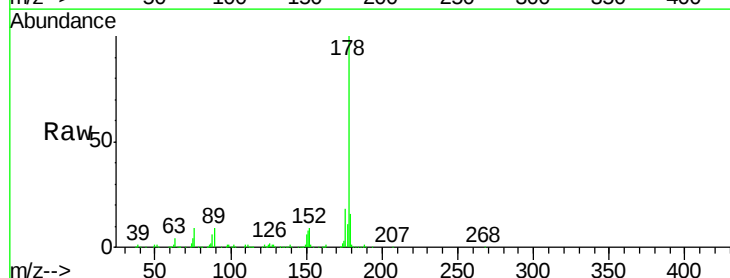
Instrument :
BNA_G
ClientSampleId :

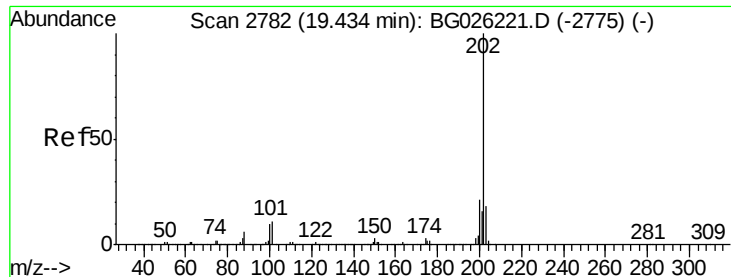
Tot Ion:178 Resp: 445599
Ion Ratio Lower Upper
178 100
179 16.5 12.2 18.4
176 20.2 16.4 24.6



#16
Anthracene
Concen: 20.31 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG027174.D
Acq: 27 May 2017 18:10

Tgt Ion:178 Resp: 472171
Ion Ratio Lower Upper
178 100
179 16.2 12.7 19.1
176 17.7 15.8 23.8

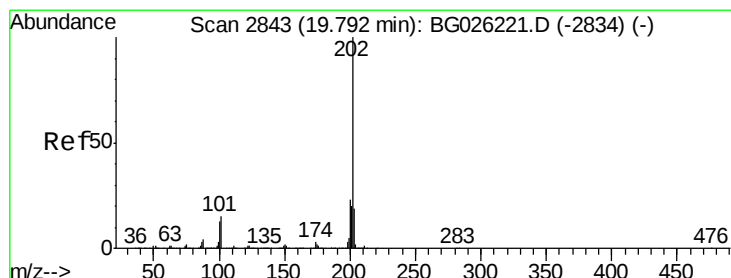
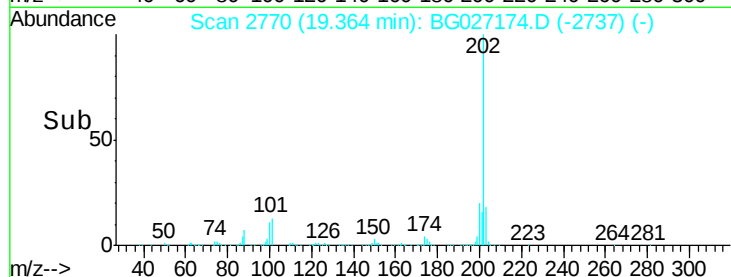
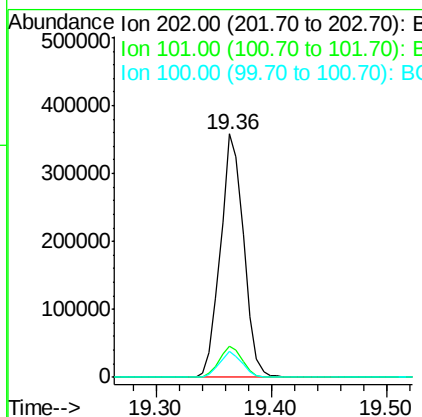
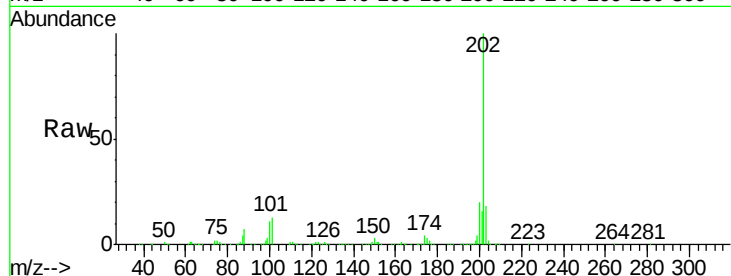




#17
Fluoranthene
Concen: 22.69 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BG027174.D
Acq: 27 May 2017 18:10

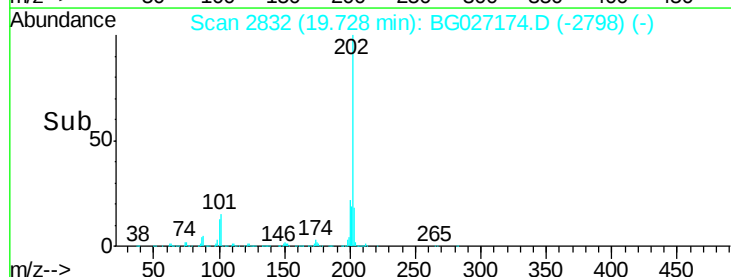
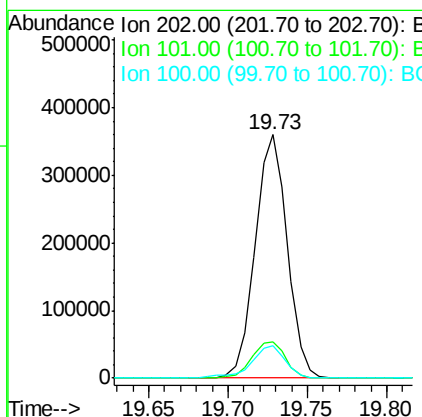
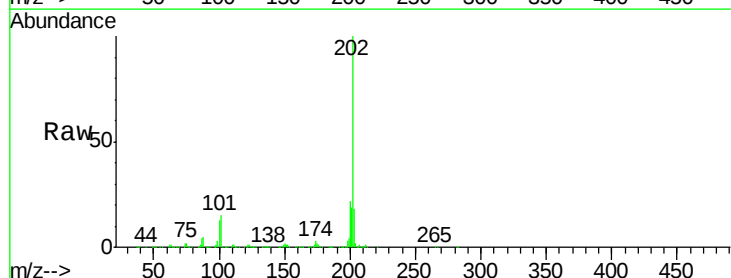
Instrument :
BNA_G
ClientSampled :

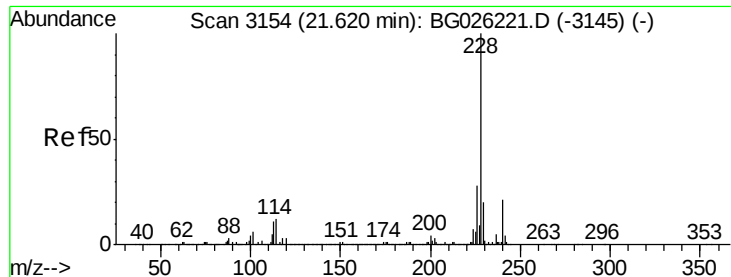
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.8	14.8
100	10.8	7.5	11.3



#20
Pyrene
Concen: 17.07 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG027174.D
Acq: 27 May 2017 18:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.2	16.8
100	13.2	9.8	14.6





#21

Benzo(a)anthracene

Concen: 19.88 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampleId :

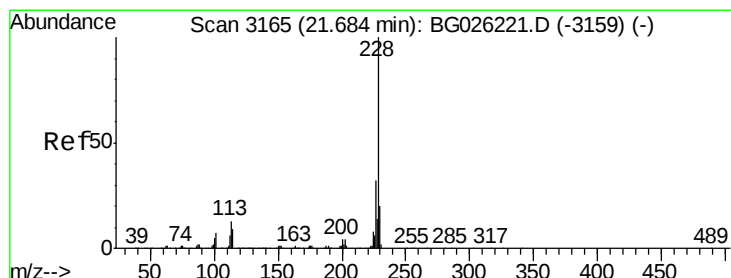
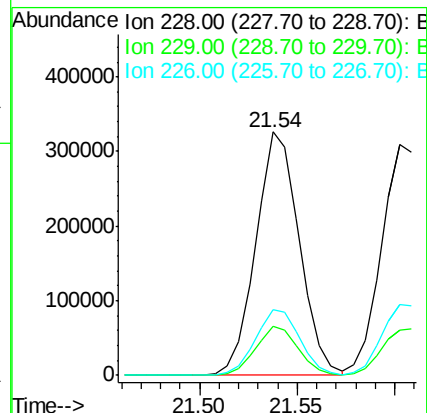
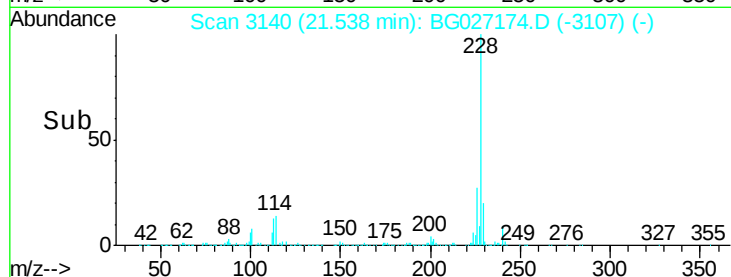
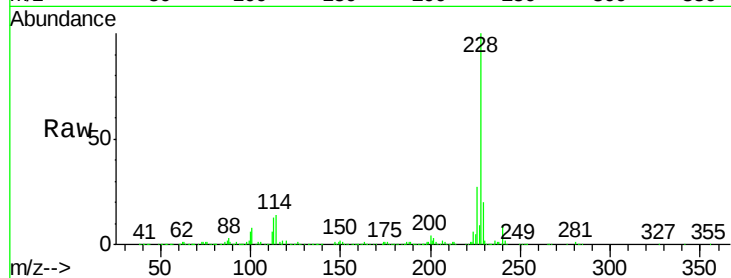
Tot Ion:228 Resp: 503704

Ion Ratio Lower Upper

228 100

229 20.1 15.9 23.9

226 27.2 22.1 33.1



#22

Chrysene

Concen: 21.26 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

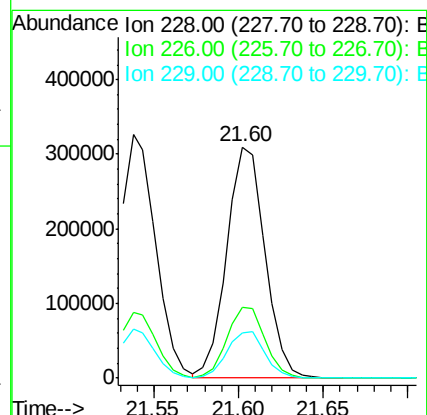
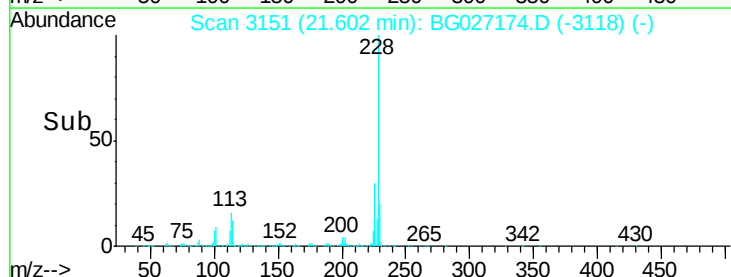
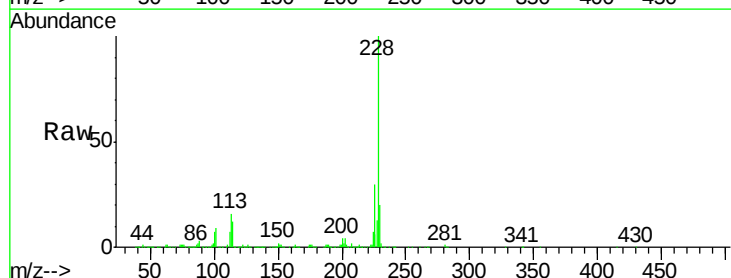
Tgt Ion:228 Resp: 487792

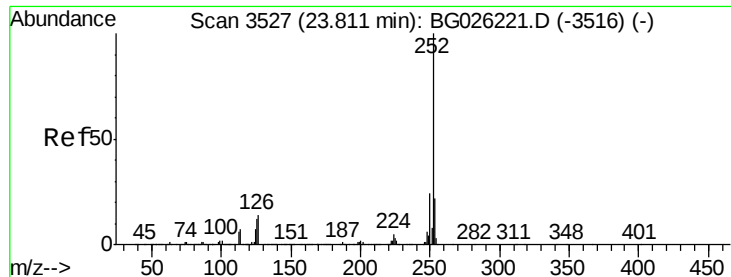
Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 19.9 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 20.88 ng/ul

RT: 23.70 min Scan# 3508

Delta R.T. 0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampled :

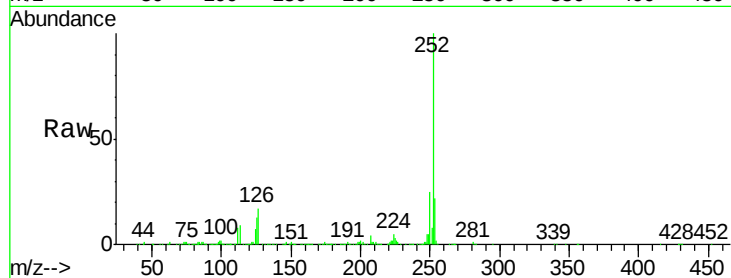
Tot Ion:252 Resp: 523482

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

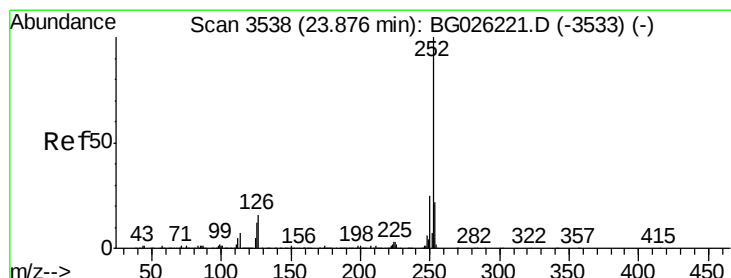
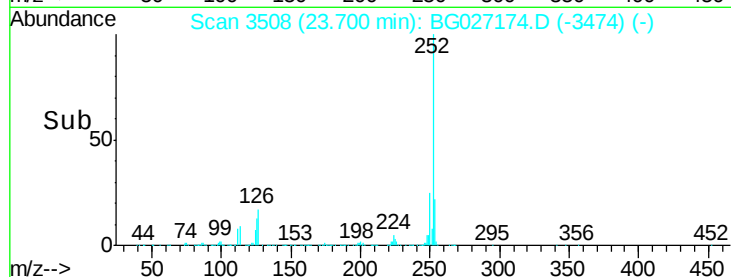
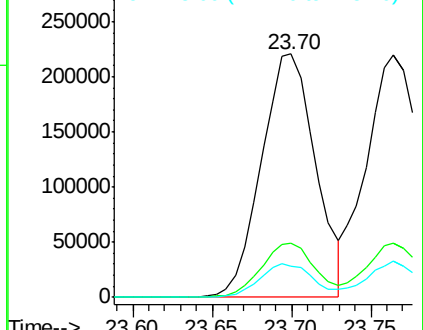
125 12.8 9.4 14.0



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: 21.57 ng/ul

RT: 23.70 min Scan# 3508

Delta R.T. -0.06 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

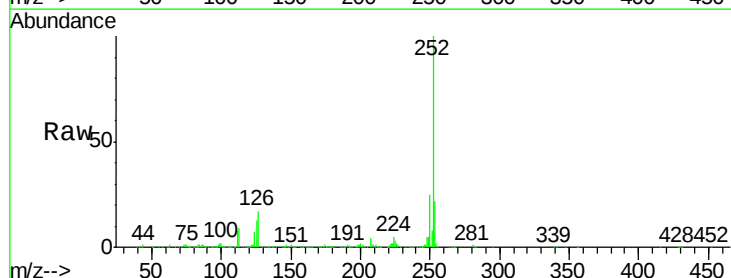
Tgt Ion:252 Resp: 523482

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

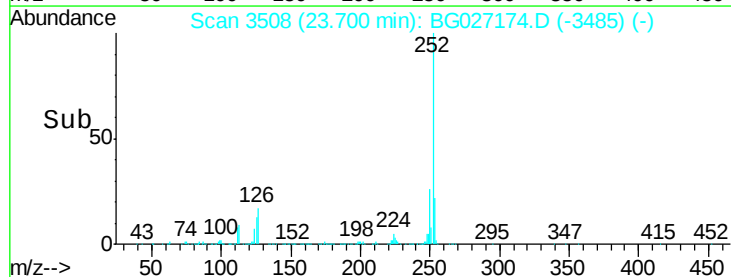
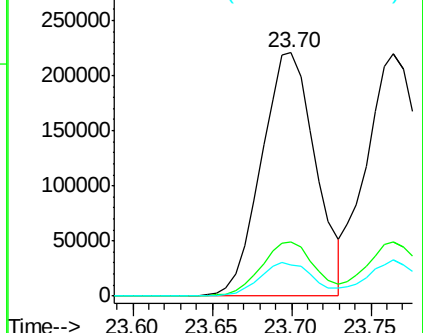
125 12.8 8.8 13.2

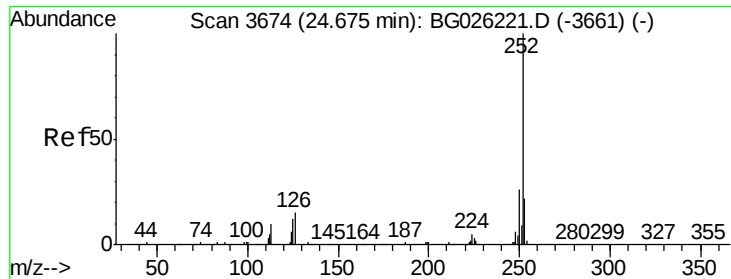


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.39 ng/ul

RT: 24.55 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampled :

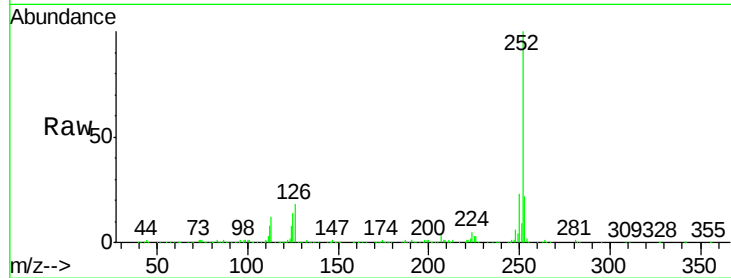
Tot Ion:252 Resp: 483376

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

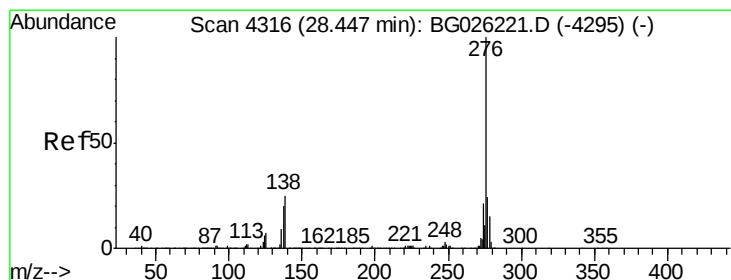
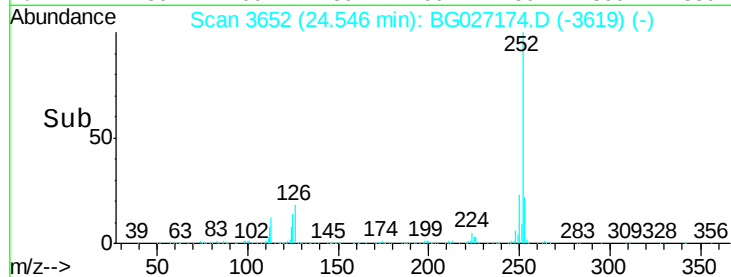
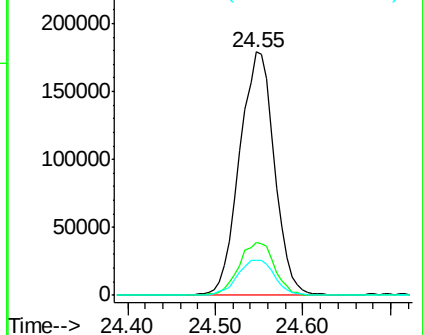
125 14.2 9.4 14.2#



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: 19.43 ng/ul

RT: 28.27 min Scan# 4285

Delta R.T. -0.00 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

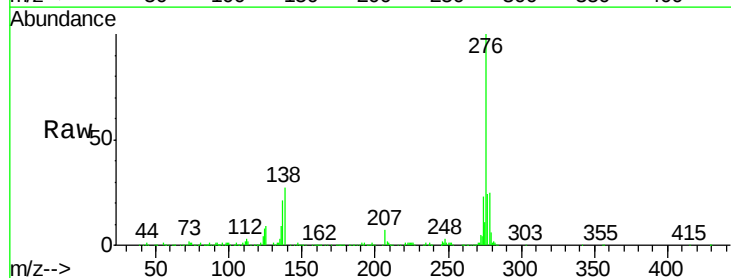
Tgt Ion:276 Resp: 606941

Ion Ratio Lower Upper

276 100

138 26.8 17.8 26.6#

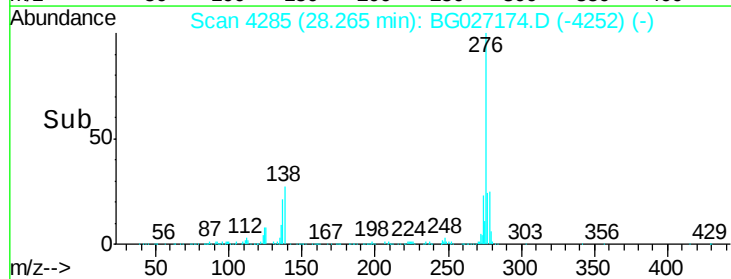
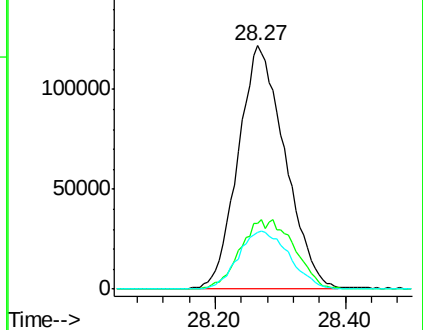
277 23.6 19.4 29.0

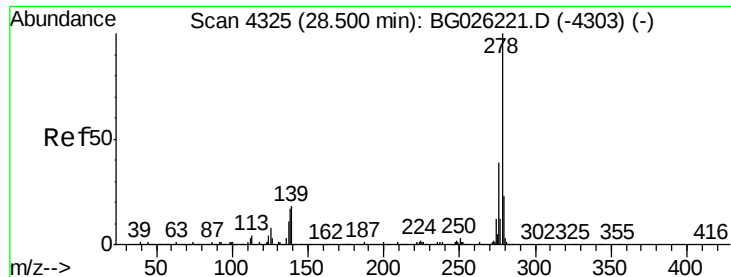


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.56 ng/ul

RT: 28.32 min Scan# 4294

Delta R.T. 0.01 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

Instrument :

BNA_G

ClientSampleId :

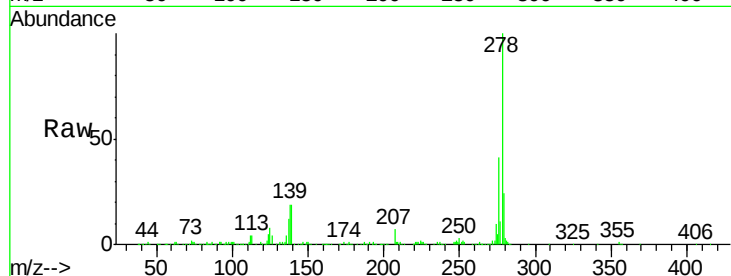
Tot Ion:278 Resp: 511289

Ion Ratio Lower Upper

278 100

139 18.5 14.0 21.0

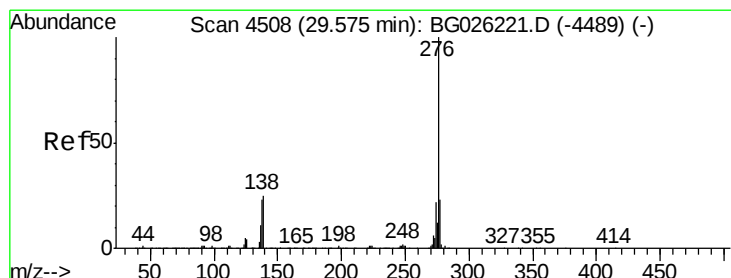
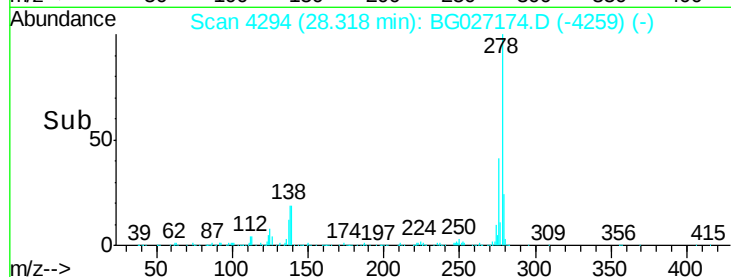
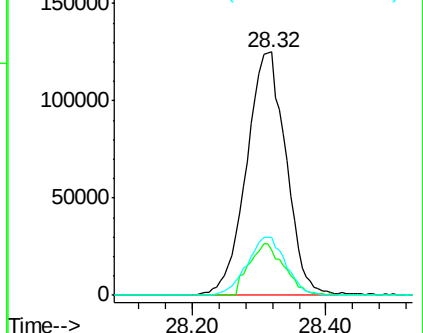
279 23.6 20.6 31.0



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: 18.74 ng/ul

RT: 29.39 min Scan# 4476

Delta R.T. 0.01 min

Lab File: BG027174.D

Acq: 27 May 2017 18:10

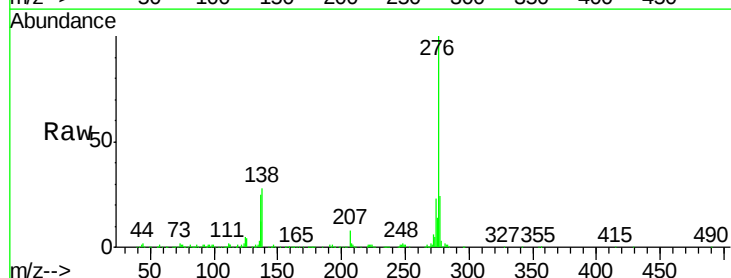
Tgt Ion:276 Resp: 466541

Ion Ratio Lower Upper

276 100

138 28.4 19.0 28.4

277 23.8 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

