

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029156.D
 Acq On : 11 Oct 2017 2:41
 Operator : SJ/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV74

Quant Time: Oct 11 04:17:43 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:16:53 2017
 Response via : Initial Calibration

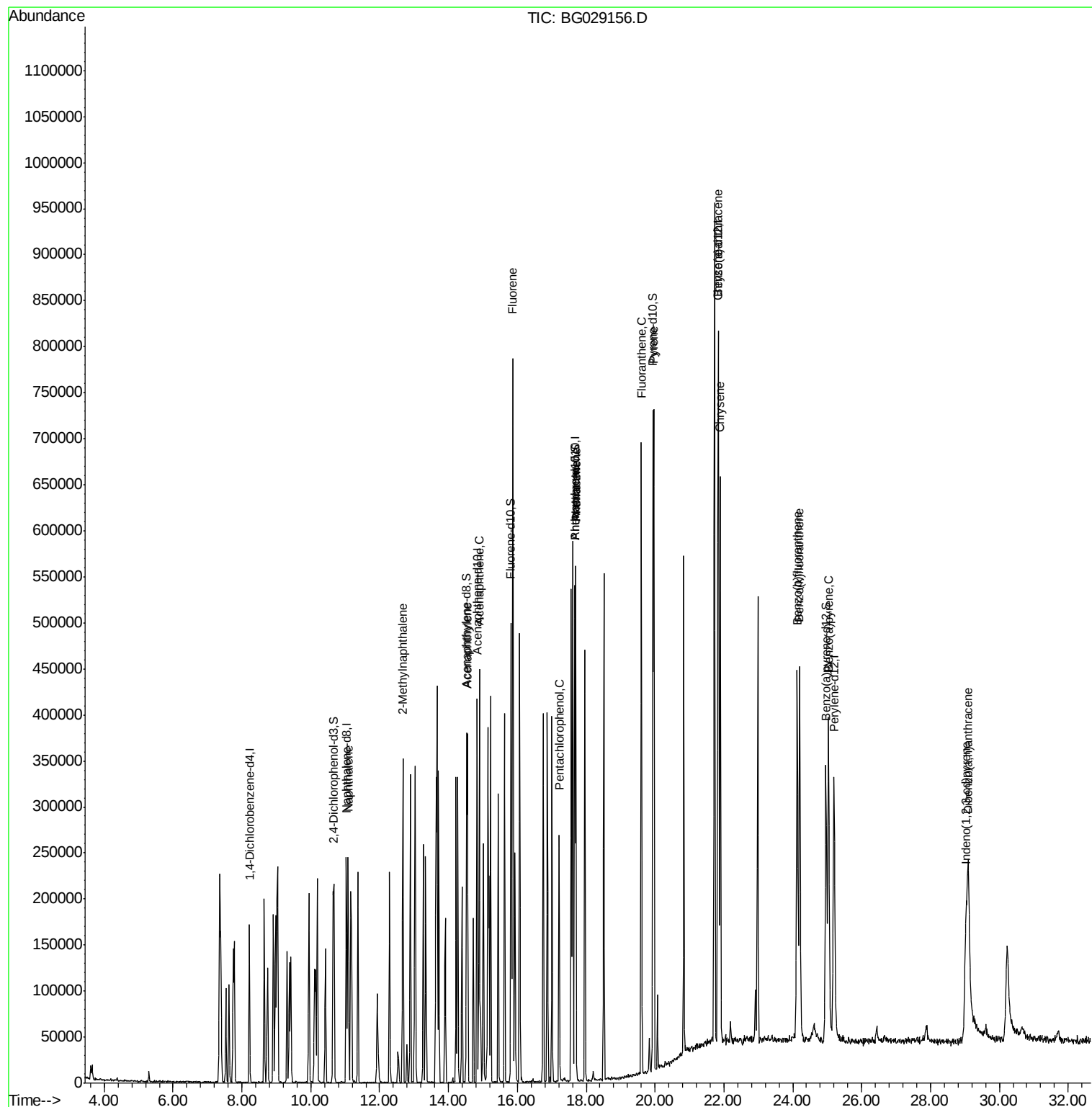
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	48803	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	206590	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	140840	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.67	188	333315	20.00	ng/ul	0.10
18) Chrysene-d12	21.85	240	378005	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	368930	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	77531	19.63	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	281801	19.96	ng/ul	0.00
10) Fluorene-d10	15.82	176	220405	19.90	ng/ul	0.00
15) Anthracene-d10	17.67	188	333315	20.23	ng/ul	0.00
19) Pyrene-d10	19.93	212	394561	19.87	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	362910	19.67	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.09	128	209686	19.309	ng/ul	98
5) 2-Methylnaphthalene	12.67	142	162464	19.556	ng/ul	96
8) Acenaphthylene	14.55	152	268979	19.958	ng/ul	100
9) Acenaphthene	14.89	153	189594	19.962	ng/ul	97
11) Fluorene	15.87	166	219326	20.040	ng/ul	98
13) Pentachlorophenol	17.21	266	51329	18.527	ng/ul	97
14) Phenanthrene	17.70	178	374464	20.740	ng/ul	99
16) Anthracene	17.70	178	374464	20.232	ng/ul	98
17) Fluoranthene	19.60	202	442283	20.818	ng/ul	98
20) Pyrene	19.96	202	458305	19.997	ng/ul	98
21) Benzo(a)anthracene	21.83	228	451516	19.605	ng/ul	98
22) Chrysene	21.90	228	409152	19.682	ng/ul	99
24) Benzo(b)fluoranthene	24.13	252	442034	19.445	ng/ul	99
25) Benzo(k)fluoranthene	24.20	252	447920	20.002	ng/ul	99
27) Benzo(a)pyrene	25.04	252	431046	19.428	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	29.03	276	397063	18.776	ng/ul	97
29) Dibenzo(a,h)anthracene	29.10	278	368592	19.640	ng/ul#	94

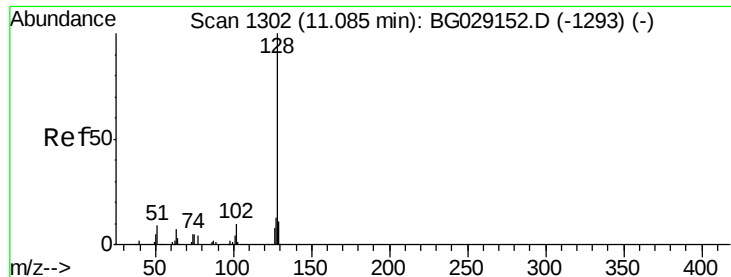
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 19.309 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampled :

SICV74

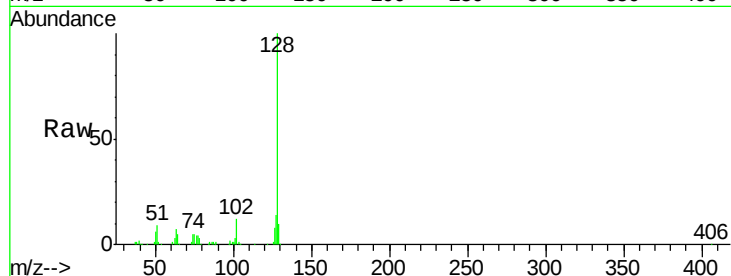
Tgt Ion:128 Resp: 209686

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.4

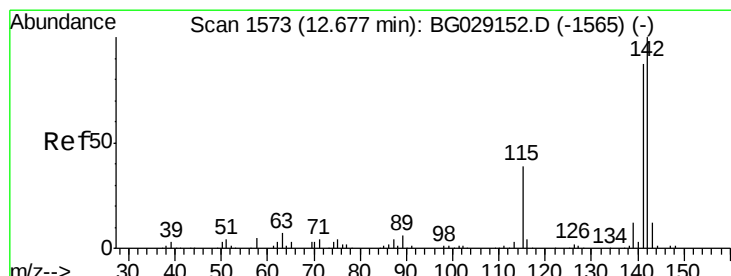
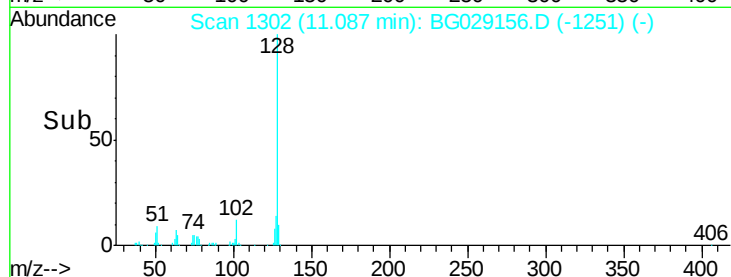
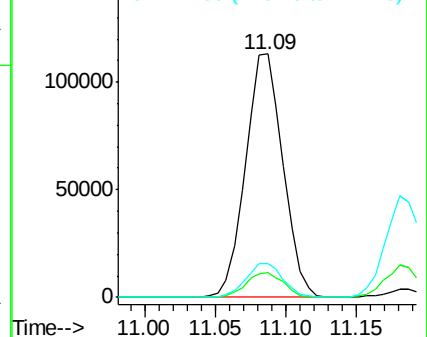
127 14.0 10.6 15.8



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: 19.556 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BG029156.D

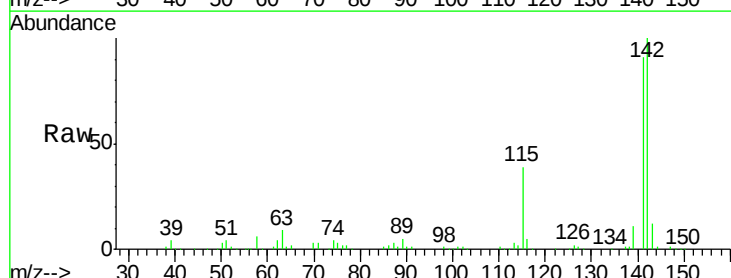
Acq: 11 Oct 2017 2:41

Tgt Ion:142 Resp: 162464

Ion Ratio Lower Upper

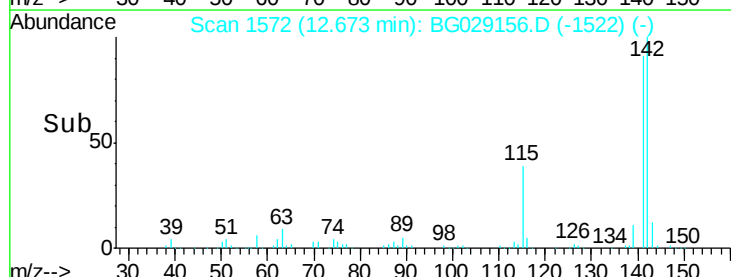
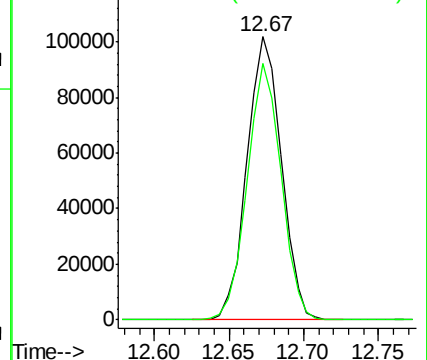
142 100

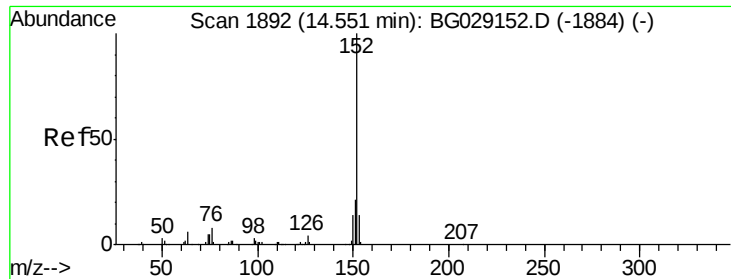
141 90.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.958 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

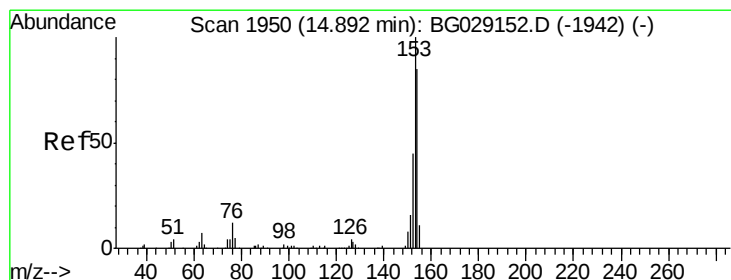
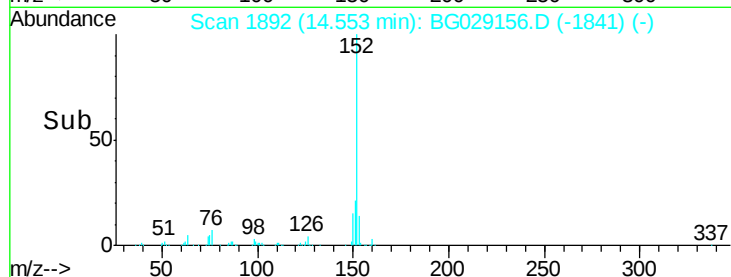
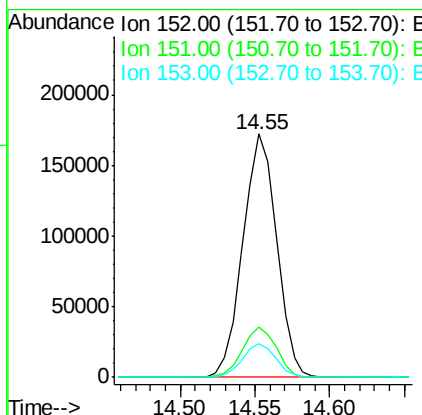
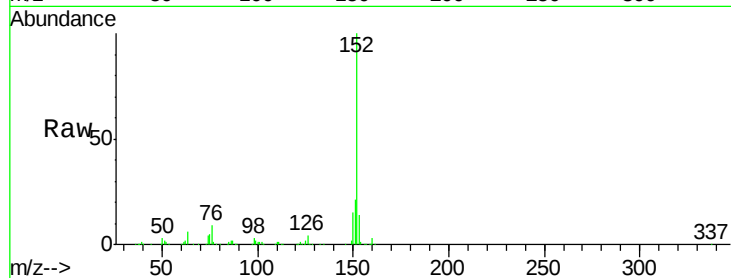
Instrument :

BNA_G

ClientSampleId :

SICV74

Tgt Ion:	152	Resp:	268979
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.5	24.7
153	13.8	11.3	16.9



#9

Acenaphthene

Concen: 19.962 ng/ul

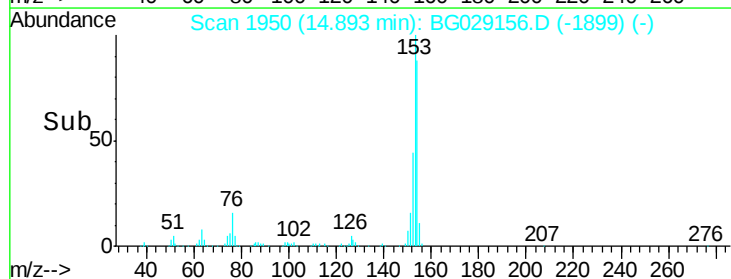
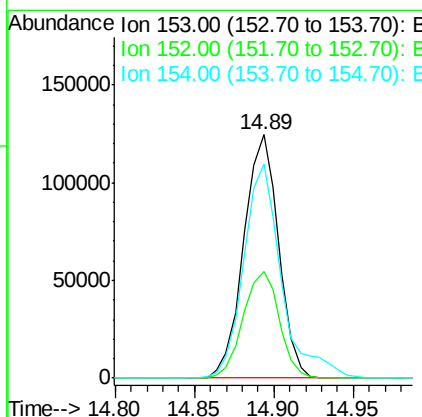
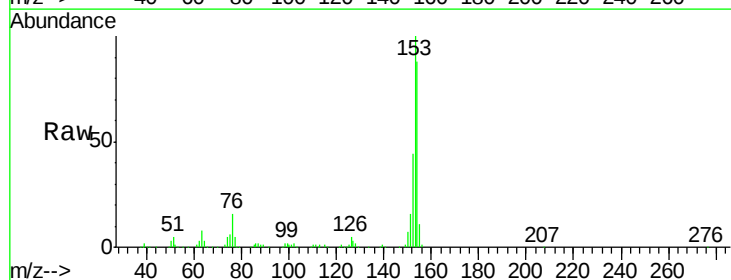
RT: 14.89 min Scan# 1950

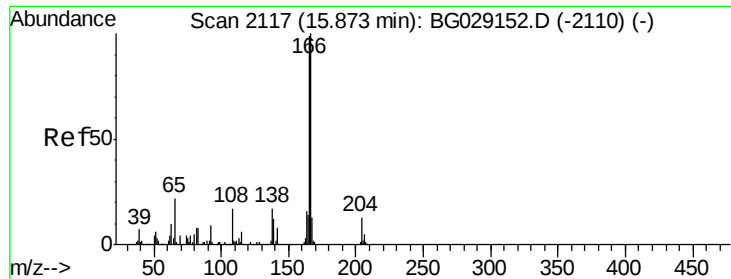
Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Tgt Ion:	153	Resp:	189594
Ion	Ratio	Lower	Upper
153	100		
152	43.9	36.2	54.4
154	88.2	68.4	102.6





#11

Fluorene

Concen: 20.040 ng/ul

RT: 15.87 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

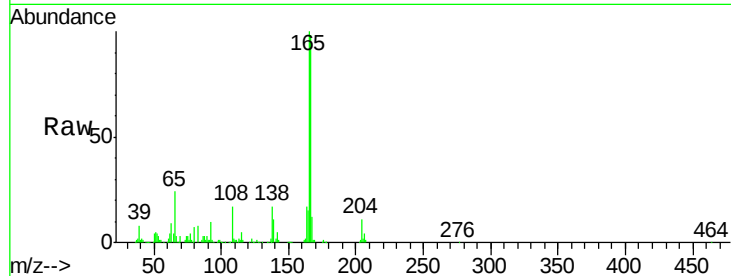
Tgt Ion:166 Resp: 219326

Ion Ratio Lower Upper

166 100

165 101.7 79.4 119.0

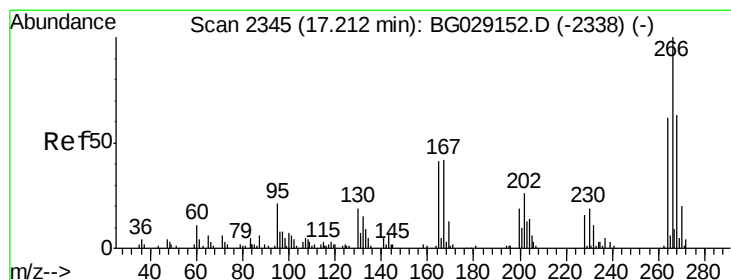
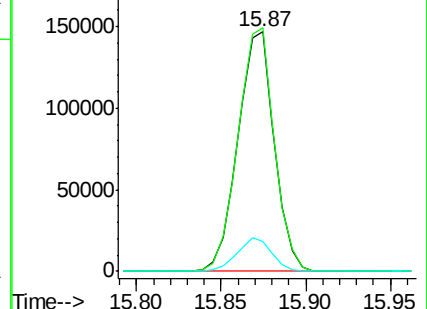
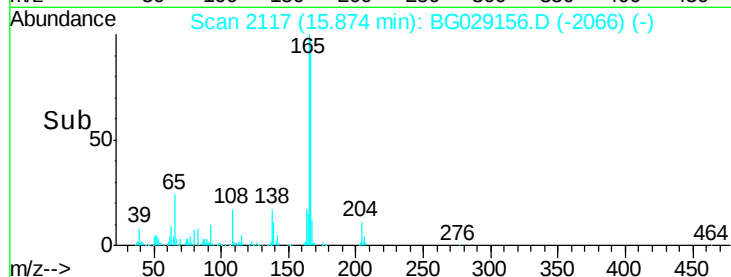
167 12.6 10.2 15.4



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: 18.527 ng/ul

RT: 17.21 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

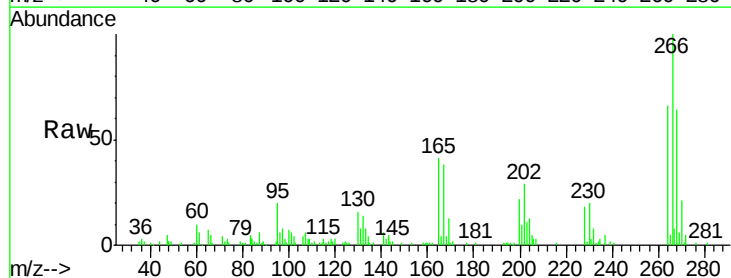
Tgt Ion:266 Resp: 51329

Ion Ratio Lower Upper

266 100

264 65.8 49.8 74.8

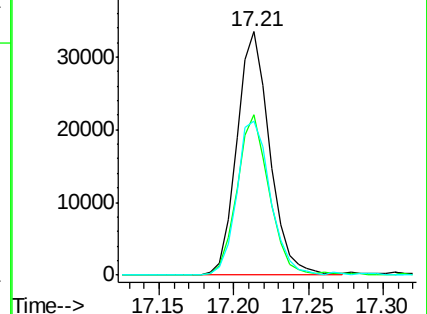
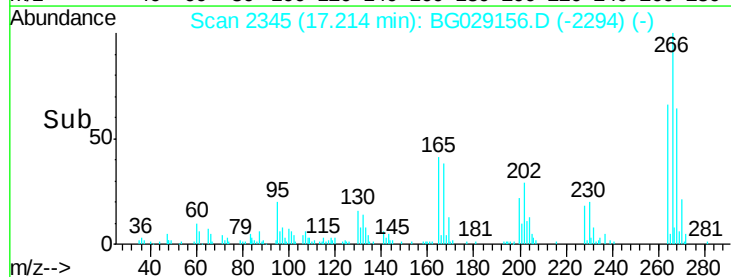
268 63.5 50.0 75.0

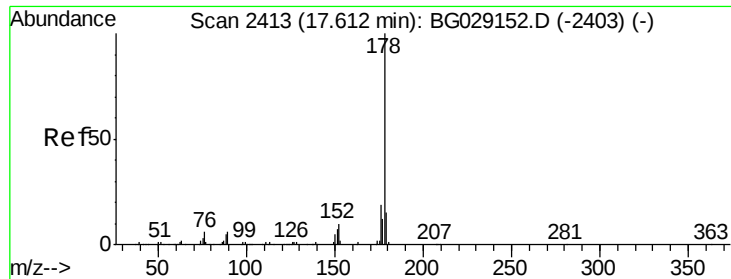


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.740 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.09 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

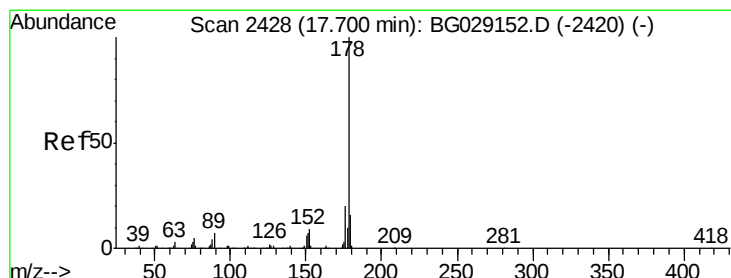
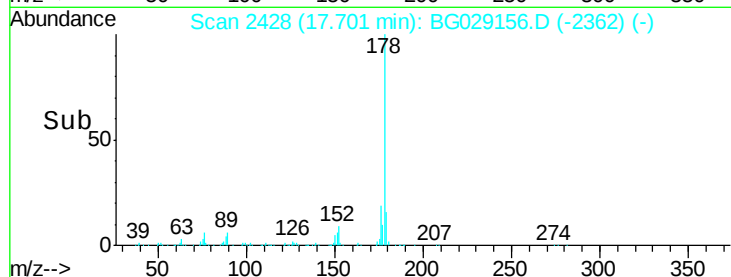
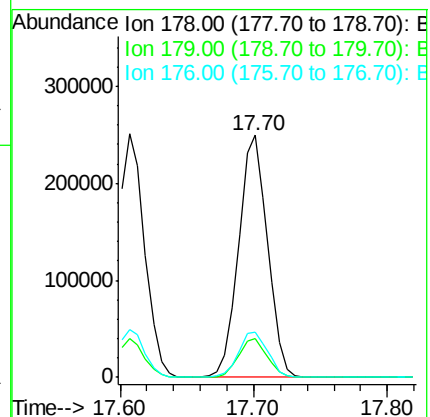
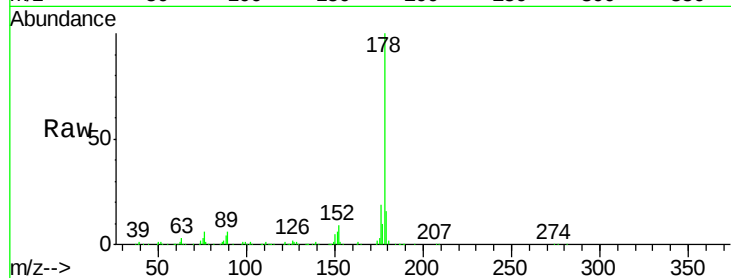
Tgt Ion:178 Resp: 374464

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.2

176 18.5 15.0 22.6



#16

Anthracene

Concen: 20.232 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

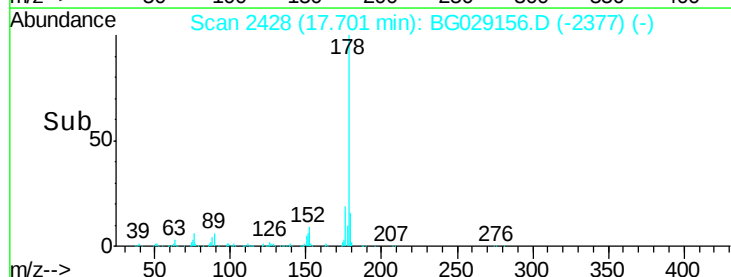
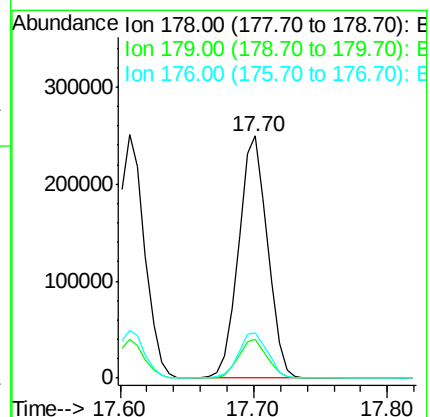
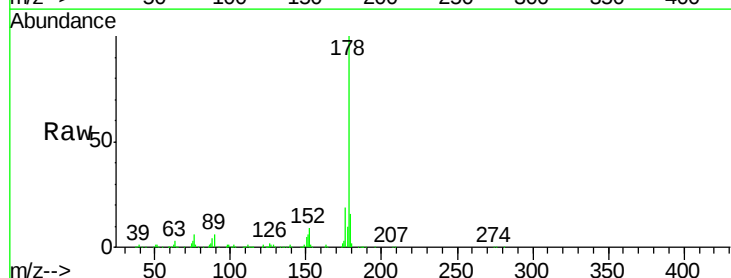
Tgt Ion:178 Resp: 374464

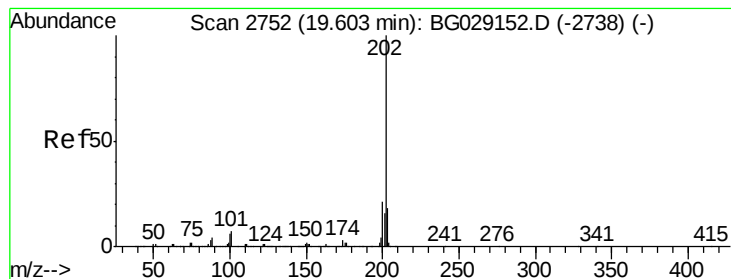
Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

176 18.5 15.7 23.5





#17

Fluoranthene

Concen: 20.818 ng/ul

RT: 19.60 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

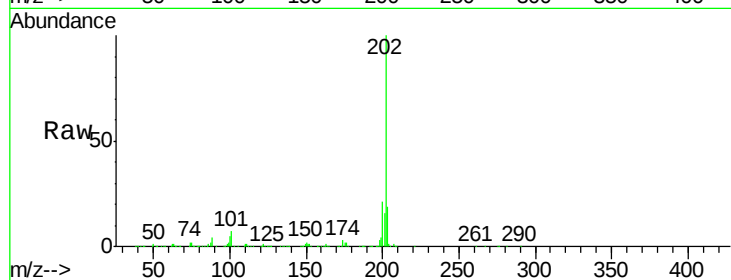
Tgt Ion:202 Resp: 442283

Ion Ratio Lower Upper

202 100

101 6.8 5.6 8.4

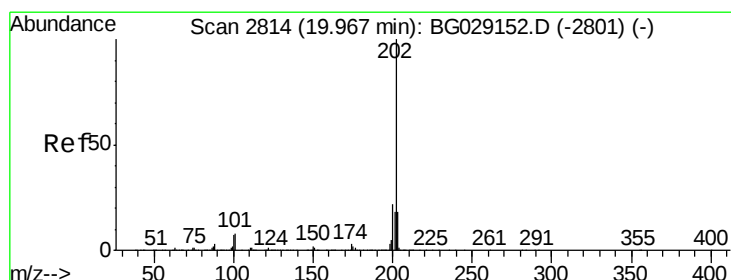
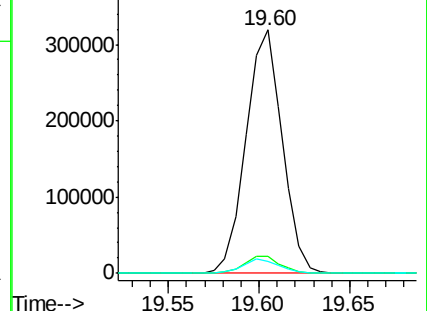
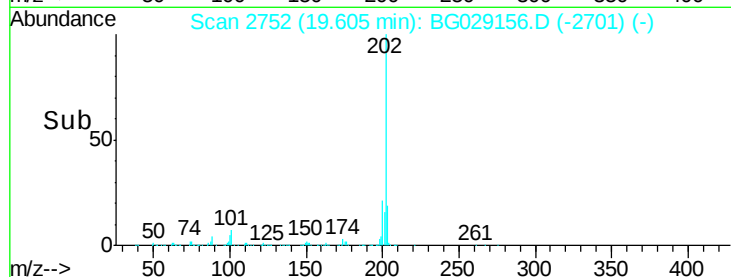
100 5.0 4.7 7.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 19.997 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

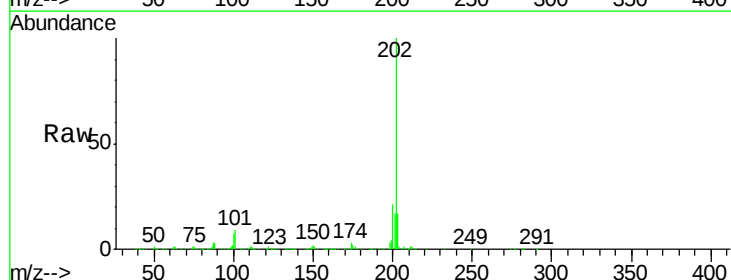
Tgt Ion:202 Resp: 458305

Ion Ratio Lower Upper

202 100

101 9.2 6.5 9.7

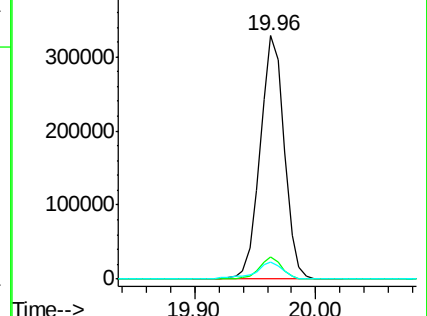
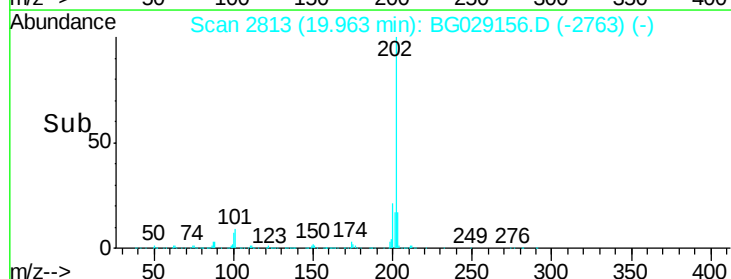
100 7.2 5.5 8.3

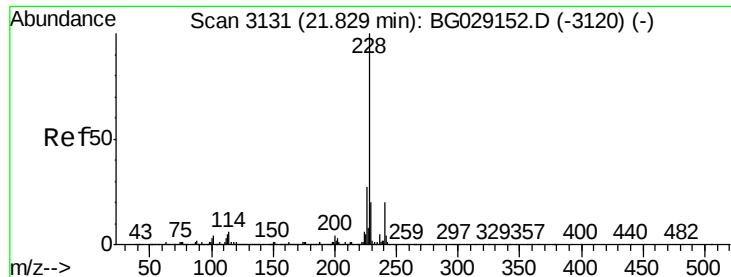


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.605 ng/ul

RT: 21.83 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

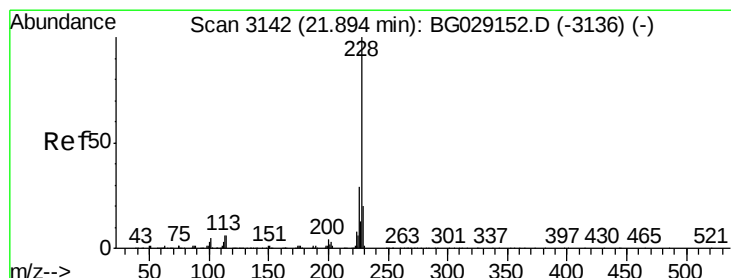
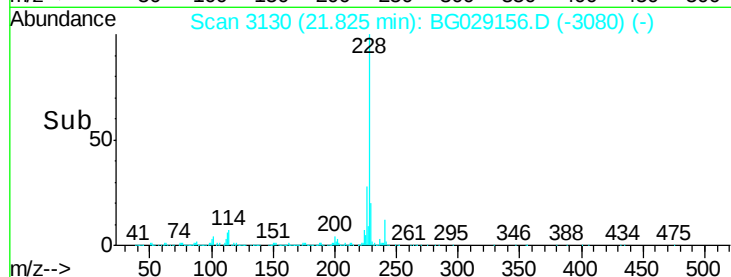
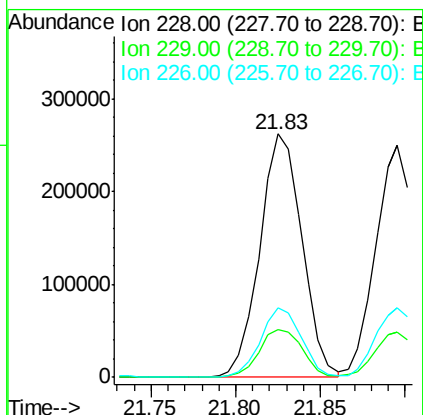
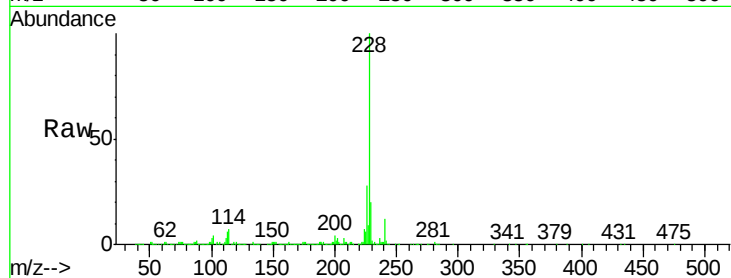
Instrument :

BNA_G

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SICV74

Tgt Ion:	228	Resp:	451516
Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8
226	28.5	21.6	32.4



#22

Chrysene

Concen: 19.682 ng/ul

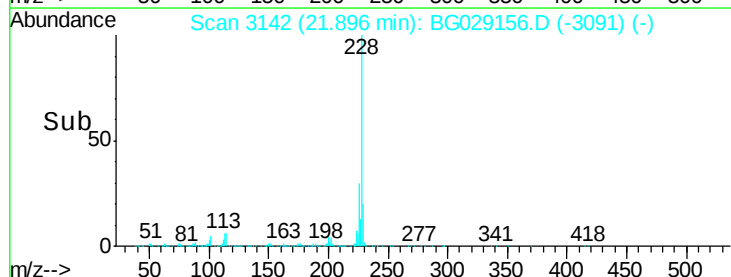
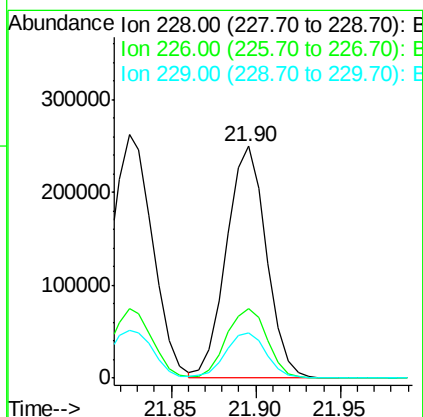
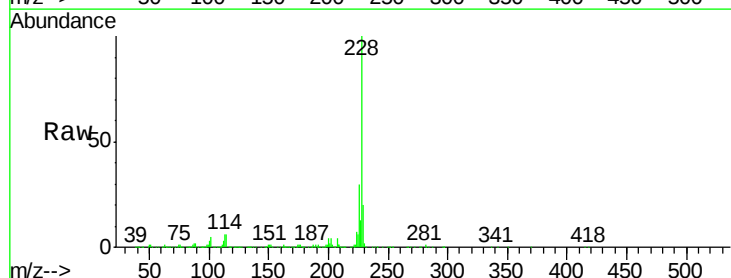
RT: 21.90 min Scan# 3142

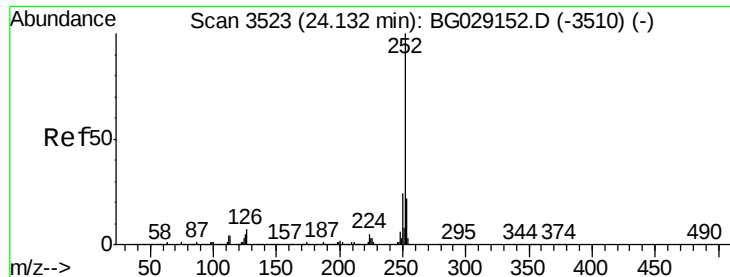
Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Tgt Ion:	228	Resp:	409152
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	19.8	15.7	23.5





#24

Benzo(b)fluoranthene

Concen: 19.445 ng/ul

RT: 24.13 min Scan# 3523

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

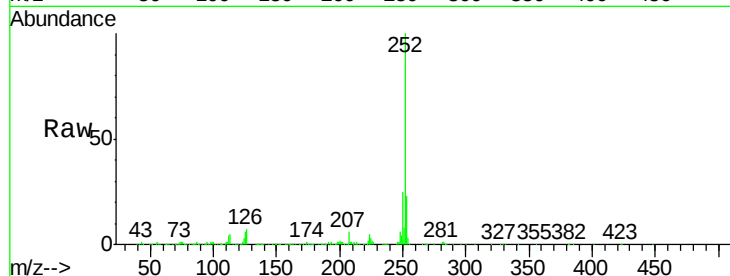
Tgt Ion:252 Resp: 442034

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

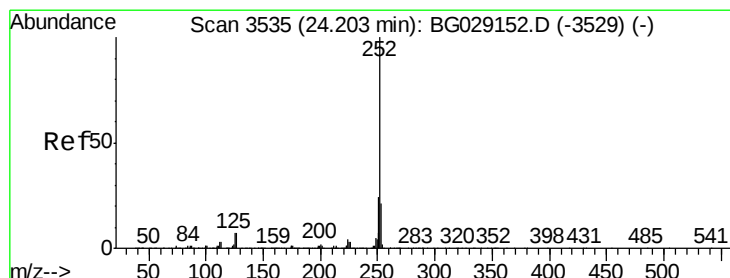
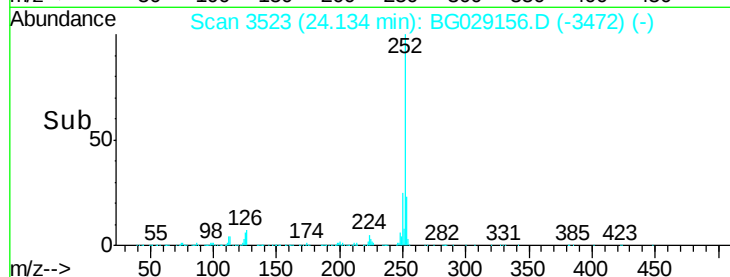
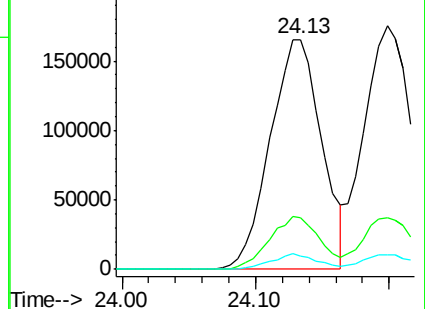
125 5.6 4.5 6.7



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: 20.002 ng/ul

RT: 24.20 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

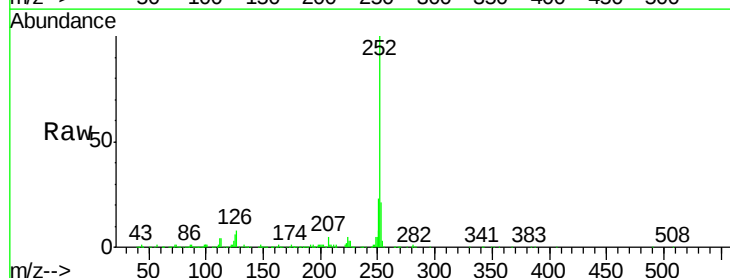
Tgt Ion:252 Resp: 447920

Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

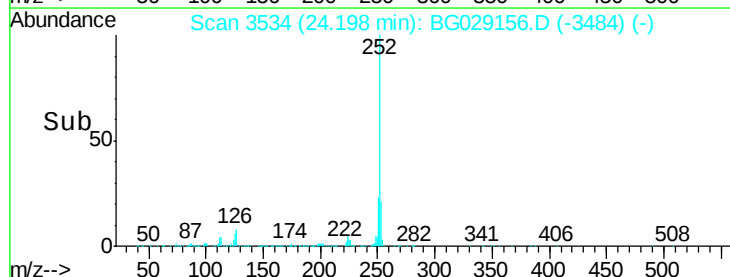
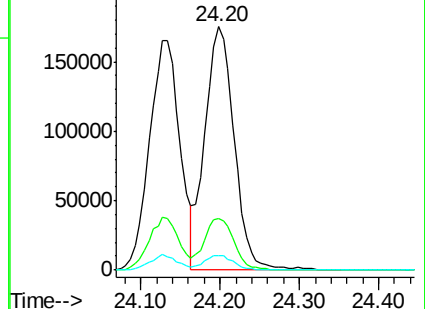
125 5.8 5.1 7.7

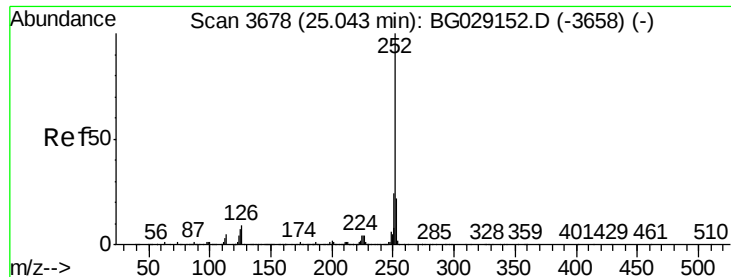


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.428 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

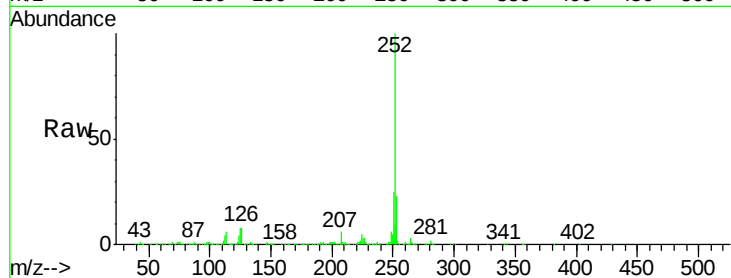
Tgt Ion:252 Resp: 431046

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

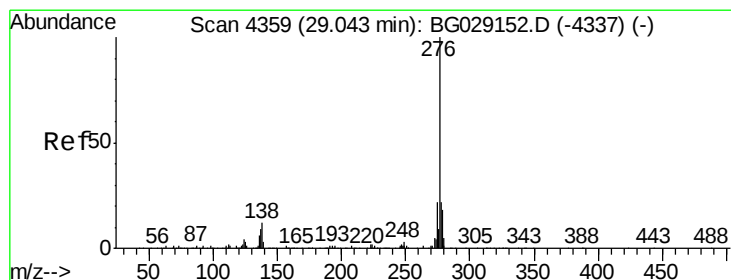
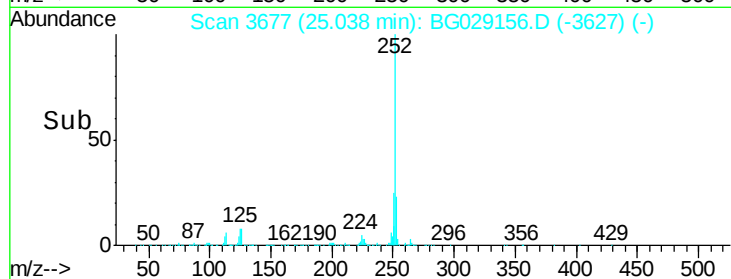
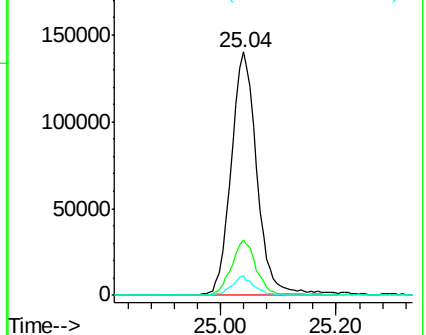
125 7.9 5.4 8.2



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: 18.776 ng/ul

RT: 29.03 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

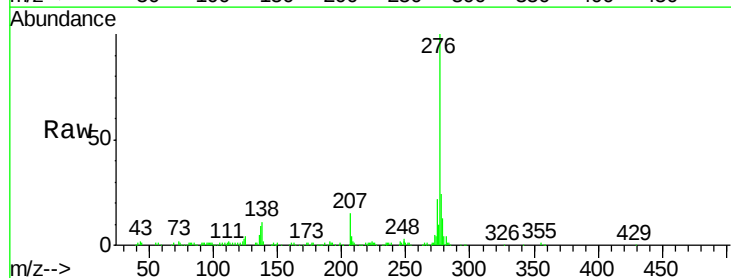
Tgt Ion:276 Resp: 397063

Ion Ratio Lower Upper

276 100

138 10.8 9.5 14.3

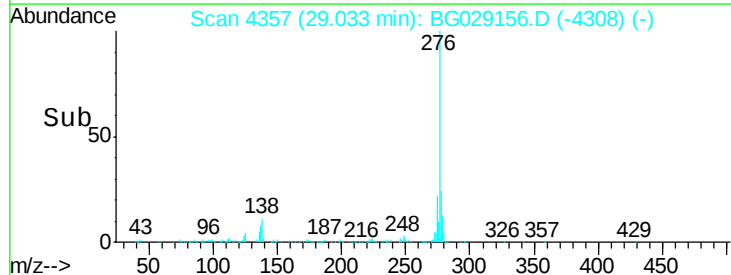
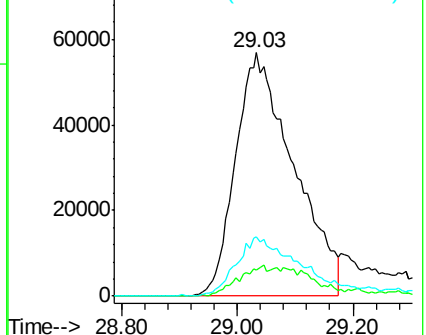
277 24.4 18.1 27.1

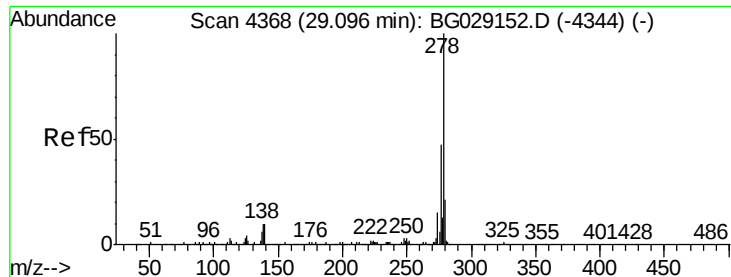


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.640 ng/ul

RT: 29.10 min Scan# 4368

Delta R.T. 0.00 min

Lab File: BG029156.D

Acq: 11 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

SICV74

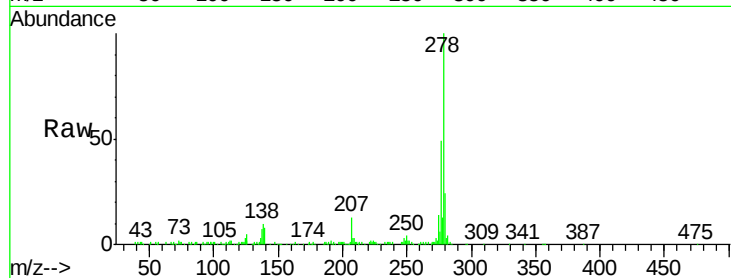
Tgt Ion: 278 Resp: 368592

Ion Ratio Lower Upper

278 100

139 8.1 8.3 12.5#

279 24.2 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

