

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029150.D
 Acq On : 10 Oct 2017 22:41
 Operator : SJ/JU
 Sample : SST00568
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST00568

Quant Time: Oct 11 04:03:59 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:00:54 2017
 Response via : Initial Calibration

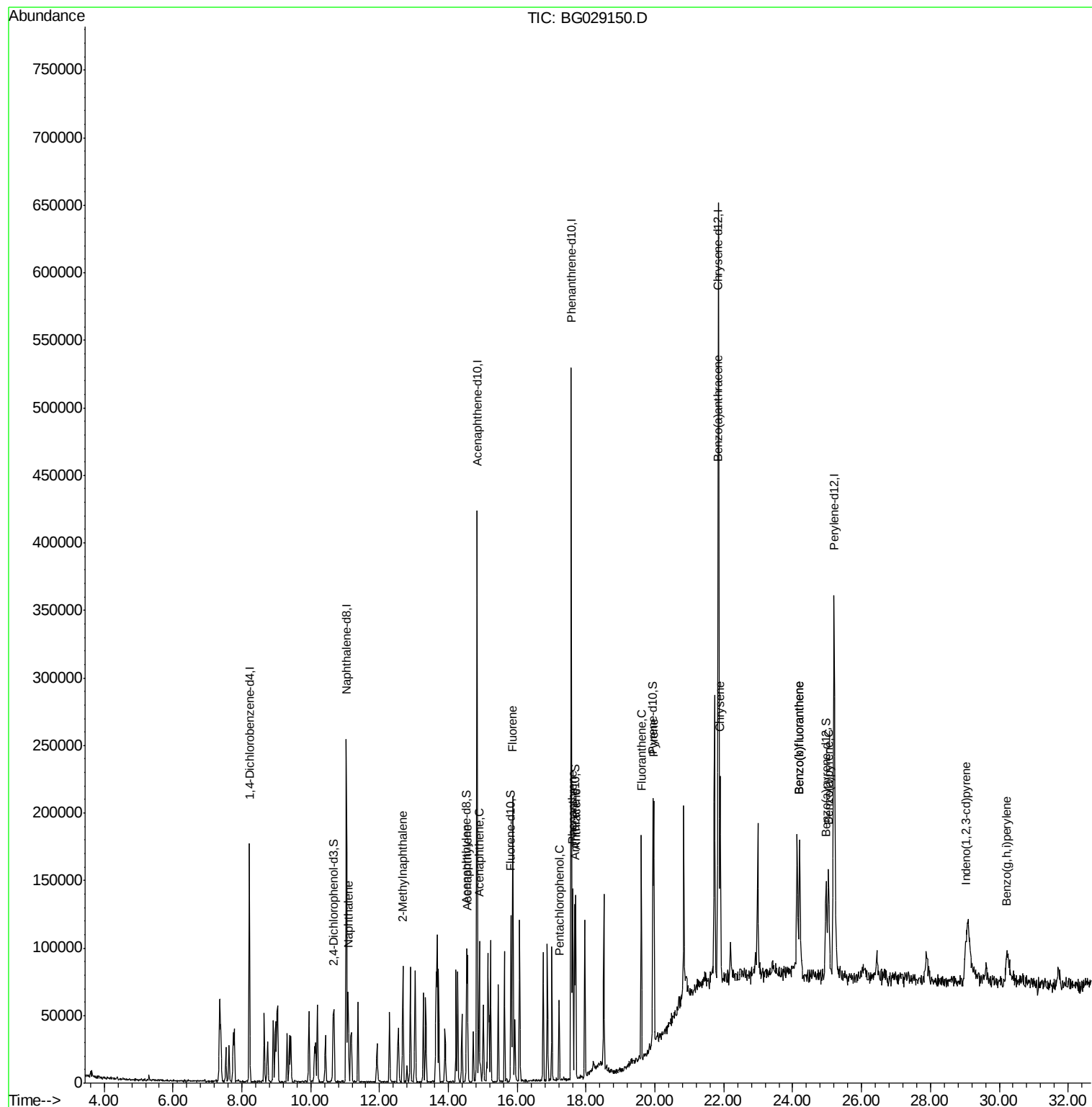
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	49592	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	212637	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	146050	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	333626	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	361749	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	361882	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	19499	5.02	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	70987	4.76	ng/ul	0.00
10) Fluorene-d10	15.81	176	54595	4.61	ng/ul	0.00
15) Anthracene-d10	17.67	188	82186	5.00	ng/ul	0.00
19) Pyrene-d10	19.93	212	93338	4.92	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	85468	4.88	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.09	128	54987	5.070	ng/ul	98
5) 2-Methylnaphthalene	12.67	142	41179	4.777	ng/ul	99
8) Acenaphthylene	14.55	152	67998	4.765	ng/ul	97
9) Acenaphthene	14.89	153	46865	4.833	ng/ul	100
11) Fluorene	15.87	166	55155	4.486	ng/ul	91
13) Pentachlorophenol	17.22	266	11602	5.310	ng/ul	91
14) Phenanthrene	17.61	178	90903	5.246	ng/ul	99
16) Anthracene	17.70	178	93400	5.238	ng/ul	97
17) Fluoranthene	19.61	202	109101	5.195	ng/ul	98
20) Pyrene	19.96	202	108719	4.918	ng/ul	100
21) Benzo(a)anthracene	21.83	228	110027	5.083	ng/ul	99
22) Chrysene	21.90	228	98417	5.058	ng/ul	97
24) Benzo(b)fluoranthene	24.19	252	104466	4.676	ng/ul	99
25) Benzo(k)fluoranthene	24.19	252	104474	4.828	ng/ul	99
27) Benzo(a)pyrene	25.04	252	103438	4.806	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	29.05	276	90171	3.715	ng/ul#	91
30) Benzo(g,h,i)perylene	30.23	276	58639	3.019	ng/ul	96

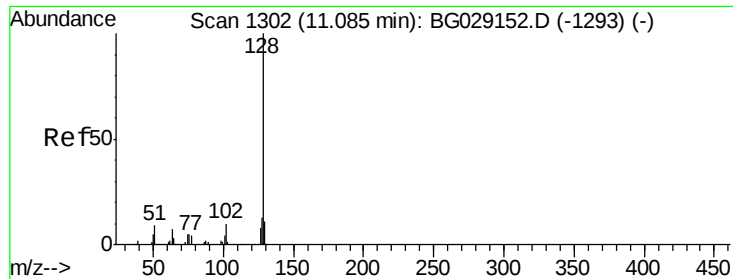
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 5.070 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

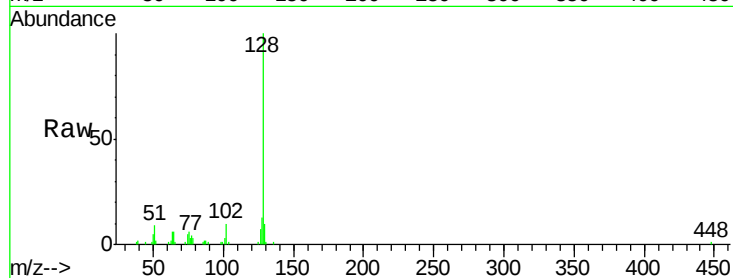
Tgt Ion:128 Resp: 54987

Ion Ratio Lower Upper

128 100

129 9.9 9.0 13.4

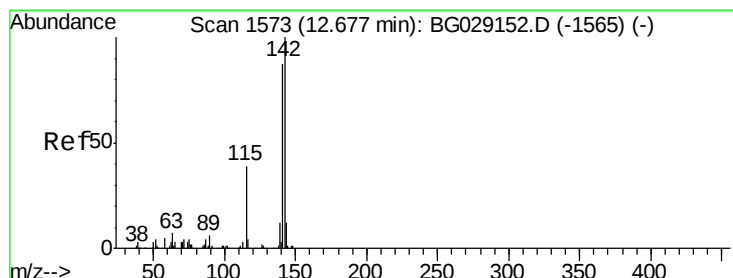
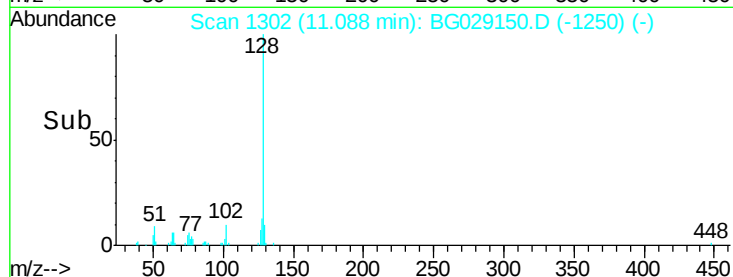
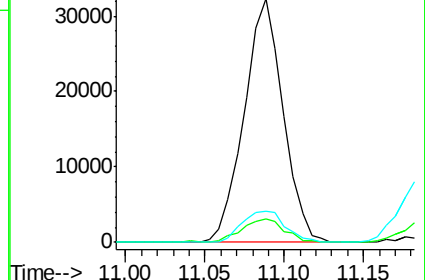
127 12.8 10.6 15.8



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: 4.777 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BG029150.D

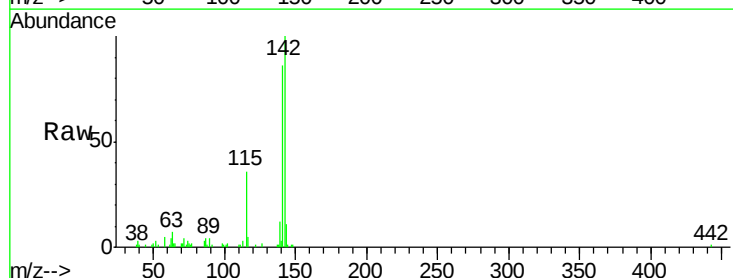
Acq: 10 Oct 2017 22:41

Tgt Ion:142 Resp: 41179

Ion Ratio Lower Upper

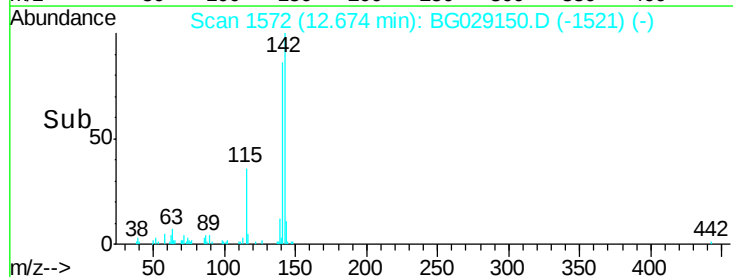
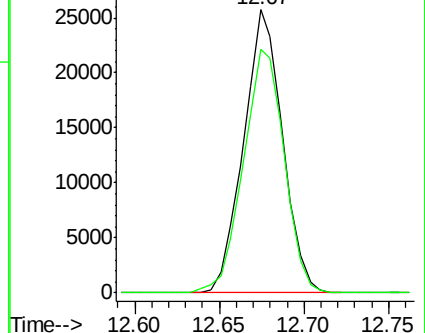
142 100

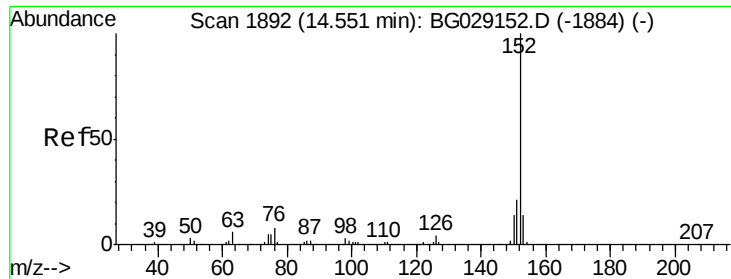
141 86.1 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 4.765 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

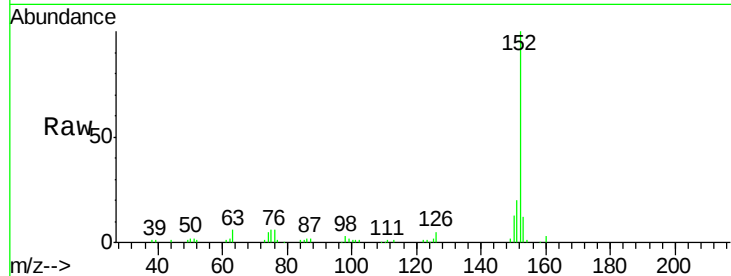
Tgt Ion:152 Resp: 67998

Ion Ratio Lower Upper

152 100

151 20.0 16.5 24.7

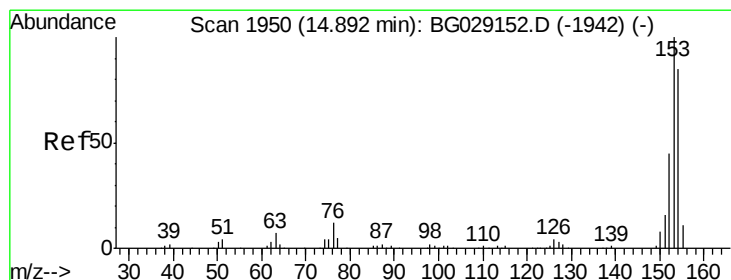
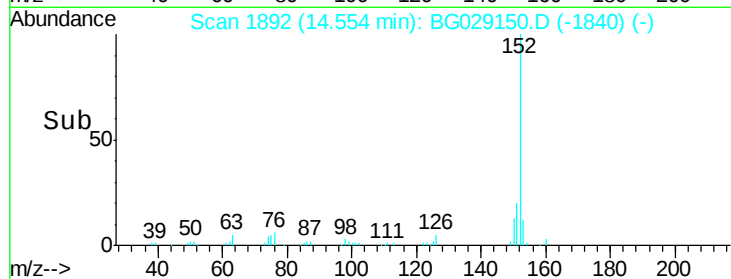
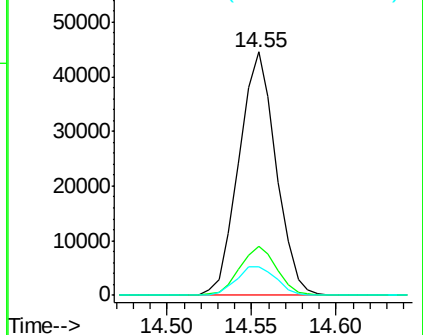
153 11.7 11.3 16.9



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: 4.833 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

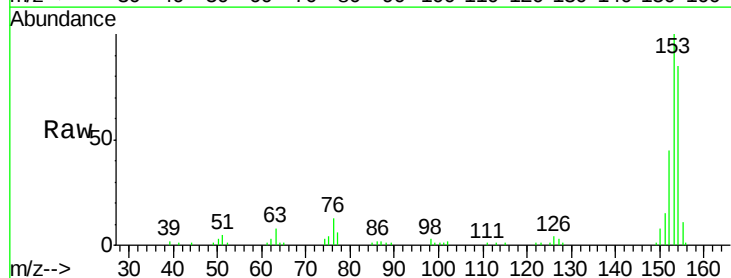
Tgt Ion:153 Resp: 46865

Ion Ratio Lower Upper

153 100

152 44.8 36.2 54.4

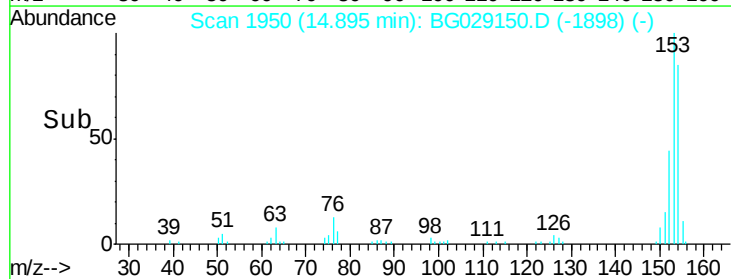
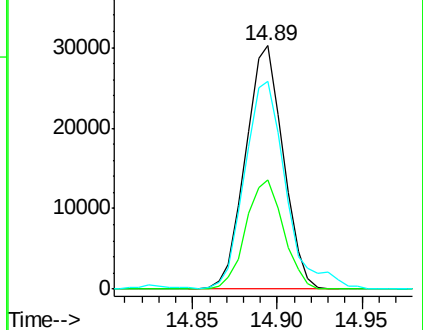
154 85.4 68.4 102.6

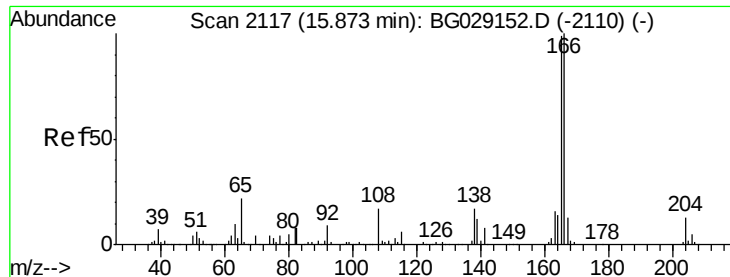


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 4.486 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

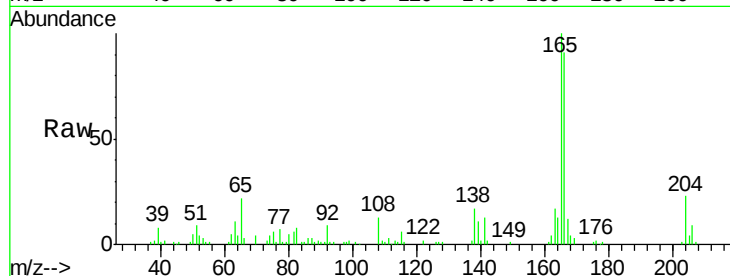
Tgt Ion:166 Resp: 55155

Ion Ratio Lower Upper

166 100

165 109.6 79.4 119.0

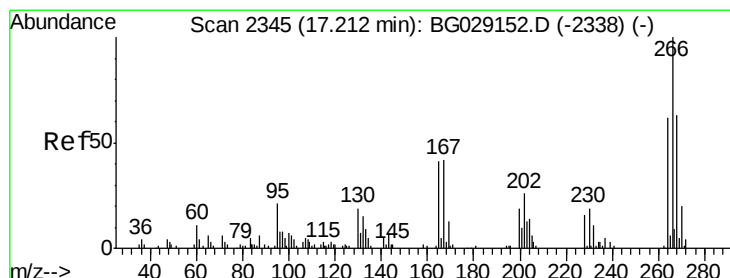
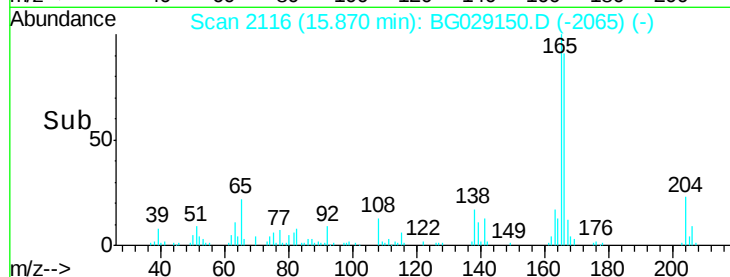
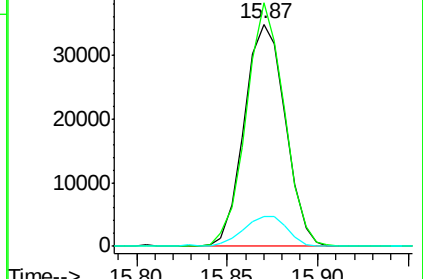
167 13.5 10.2 15.4



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: 5.310 ng/ul

RT: 17.22 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

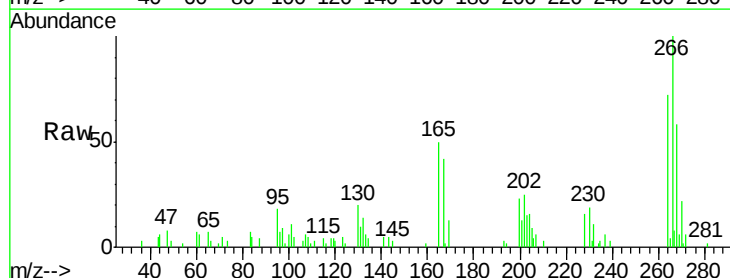
Tgt Ion:266 Resp: 11602

Ion Ratio Lower Upper

266 100

264 71.9 49.8 74.8

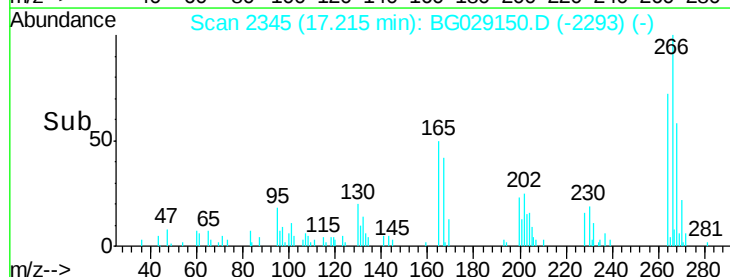
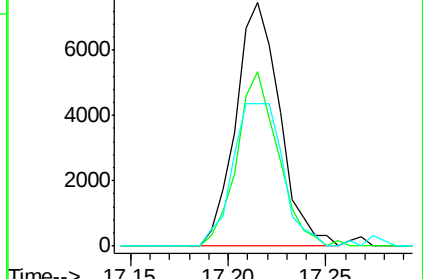
268 58.4 50.0 75.0

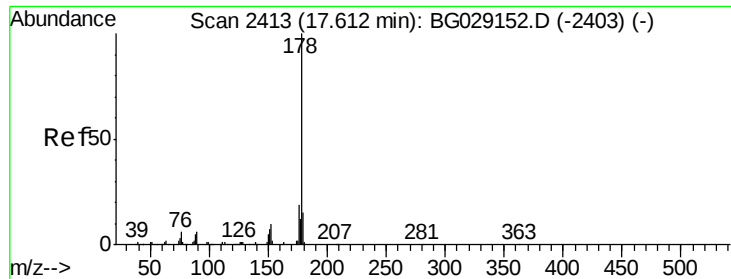


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 5.246 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

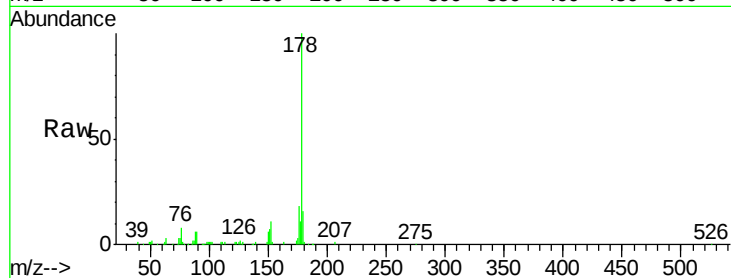
Tgt Ion:178 Resp: 90903

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

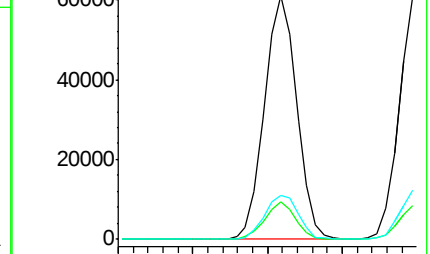
176 18.2 15.0 22.6



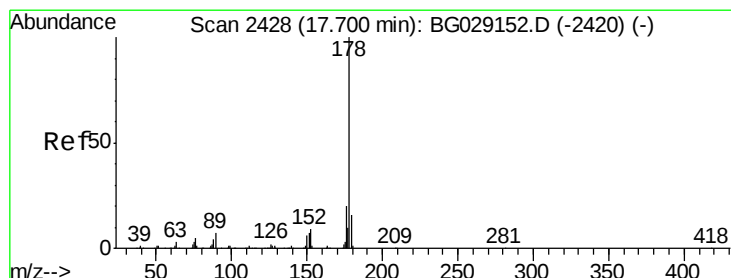
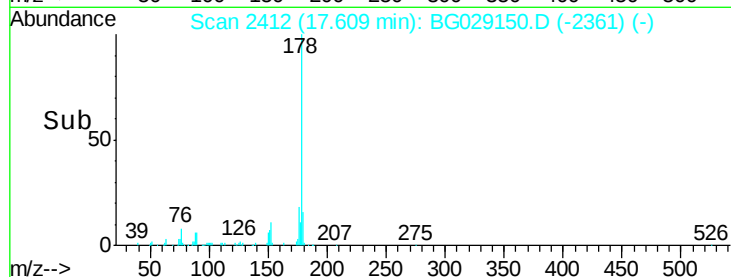
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.55 17.60 17.65



#16

Anthracene

Concen: 5.238 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

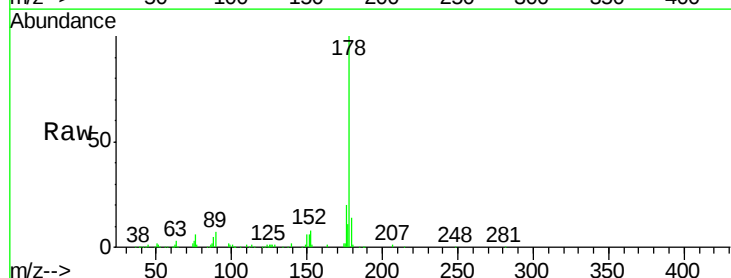
Tgt Ion:178 Resp: 93400

Ion Ratio Lower Upper

178 100

179 13.9 12.5 18.7

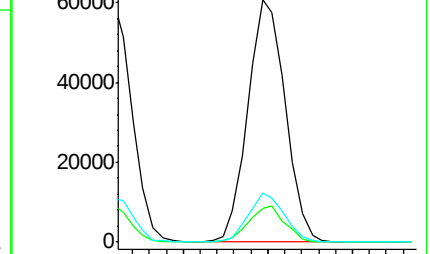
176 20.2 15.7 23.5



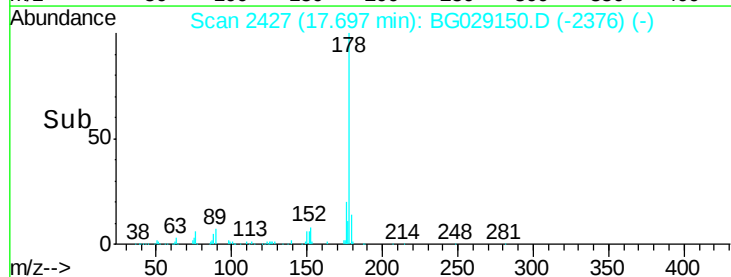
Abundance Ion 178.00 (177.70 to 178.70): E

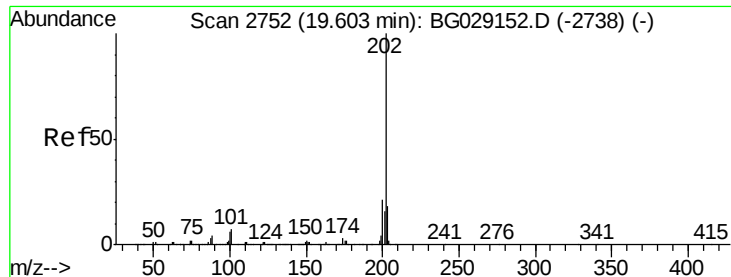
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.65 17.70 17.75

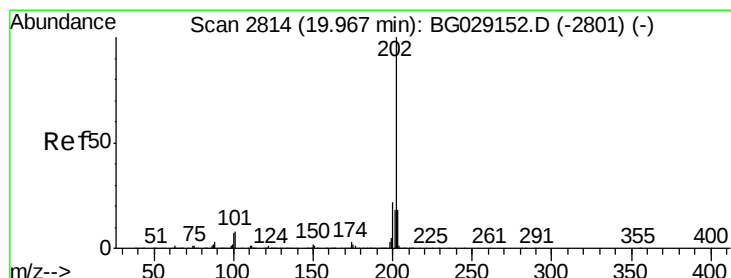
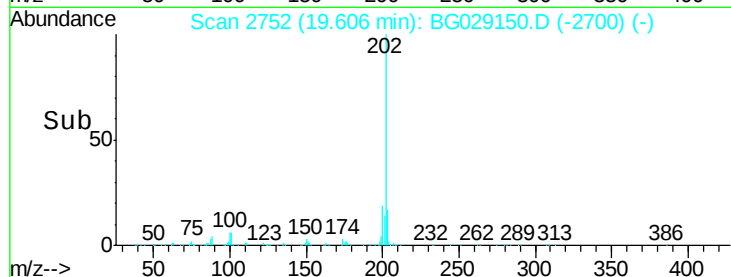
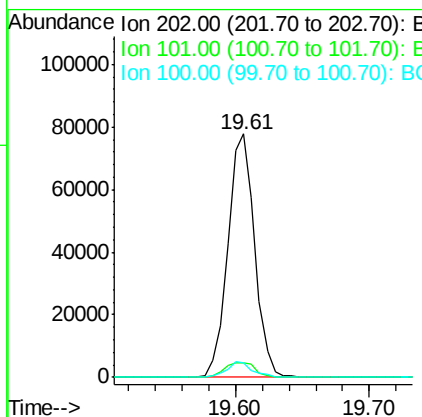
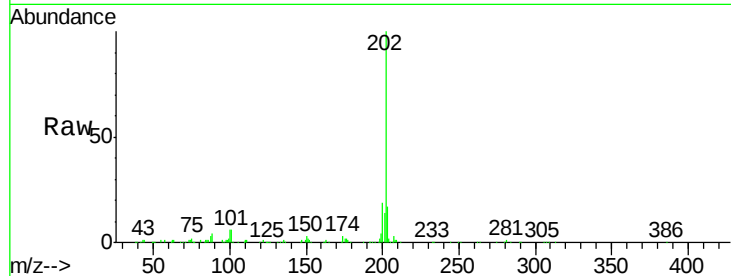




#17
Fluoranthene
 Concen: 5.195 ng/ul
 RT: 19.61 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BG029150.D
 Acq: 10 Oct 2017 22:41

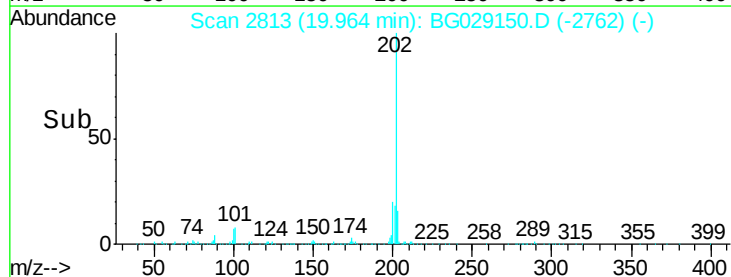
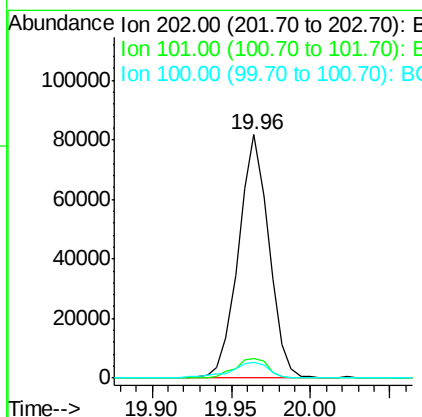
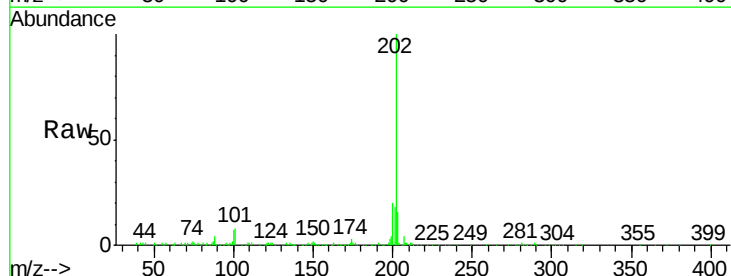
Instrument :
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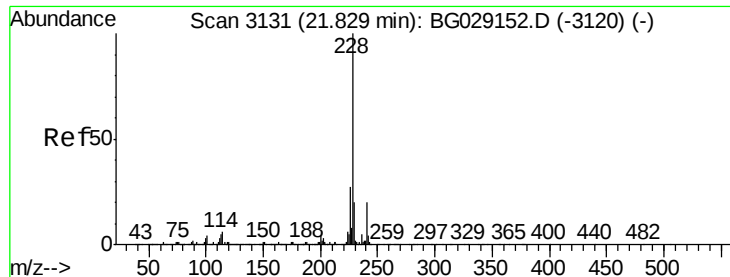
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.7	5.6	8.4
100	6.0	4.7	7.1



#20
Pyrene
 Concen: 4.918 ng/ul
 RT: 19.96 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG029150.D
 Acq: 10 Oct 2017 22:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.5	9.7
100	6.7	5.5	8.3





#21

Benzo(a)anthracene

Concen: 5.083 ng/ul

RT: 21.83 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

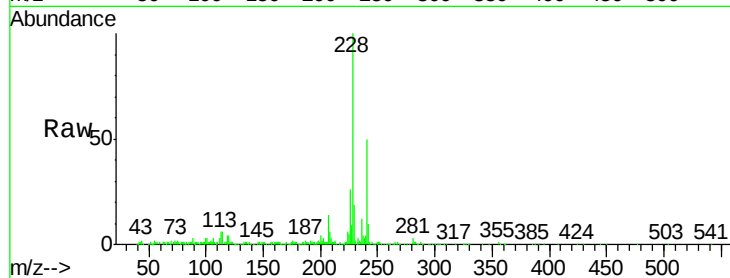
BNA_G

ClientSampleId :

SSTD00568

Tgt Ion:228 Resp: 110027

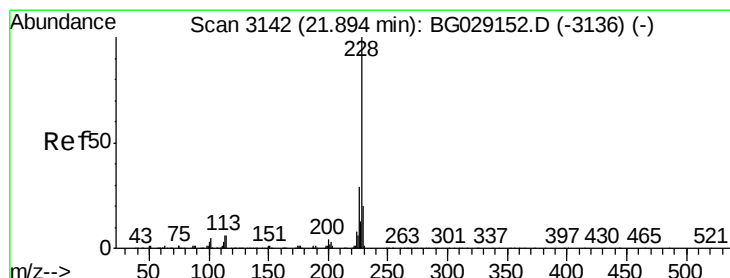
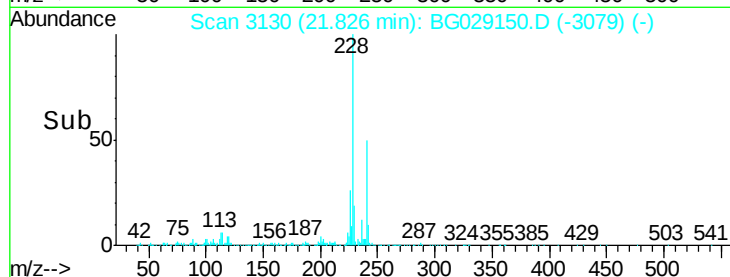
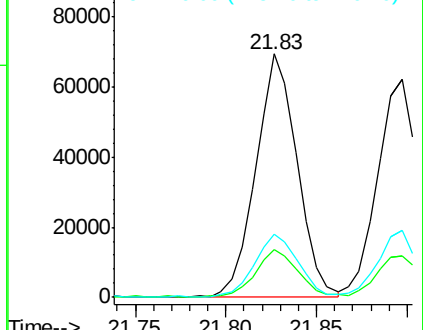
Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.8	23.8
226	26.1	21.6	32.4



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: 5.058 ng/ul

RT: 21.90 min Scan# 3142

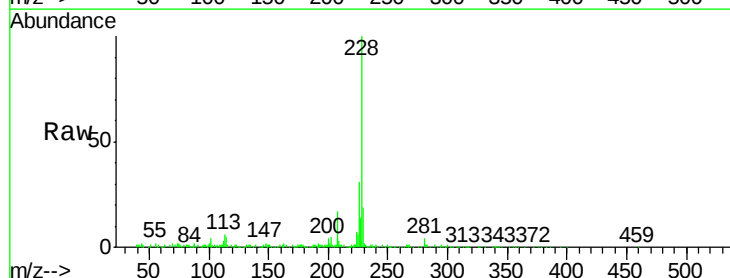
Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Tgt Ion:228 Resp: 98417

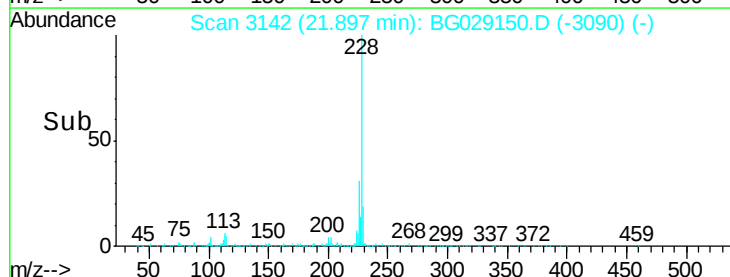
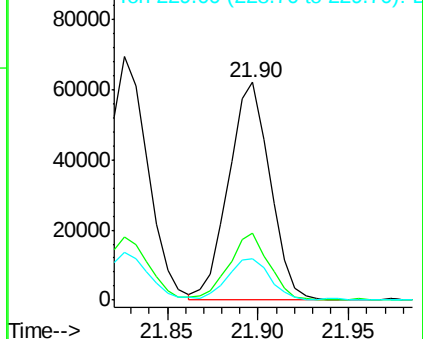
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.0
229	18.9	15.7	23.5

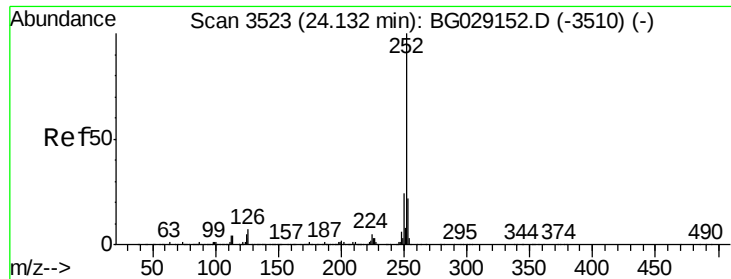


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 4.676 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. 0.06 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

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ClientSampleId :

SSTD00568

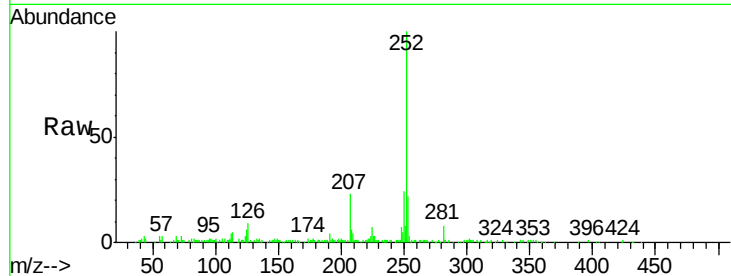
Tgt Ion:252 Resp: 104466

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

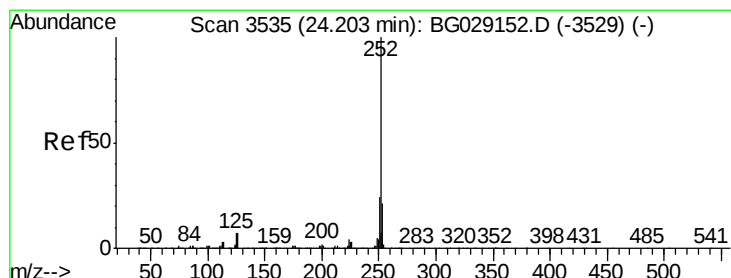
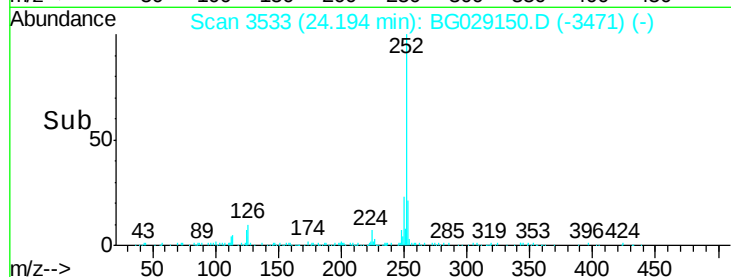
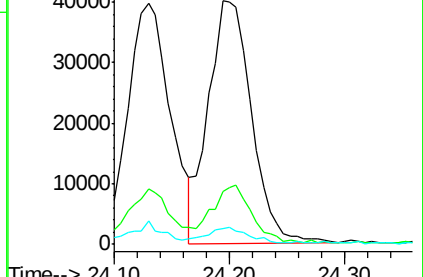
125 6.5 4.5 6.7



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: 4.828 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

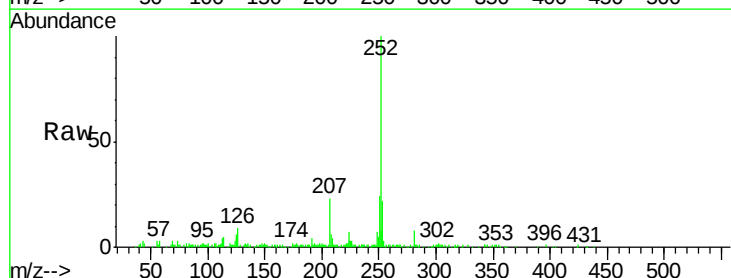
Tgt Ion:252 Resp: 104474

Ion Ratio Lower Upper

252 100

253 21.7 16.8 25.2

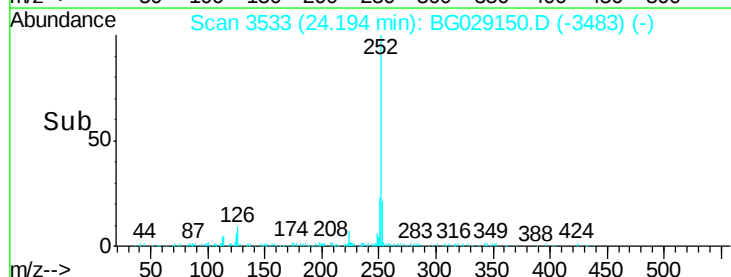
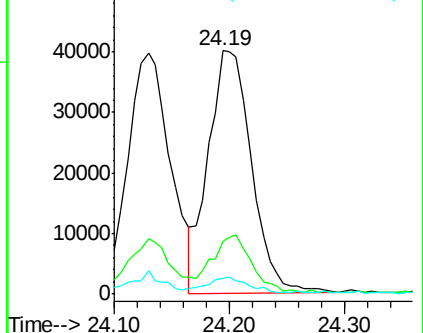
125 6.5 5.1 7.7

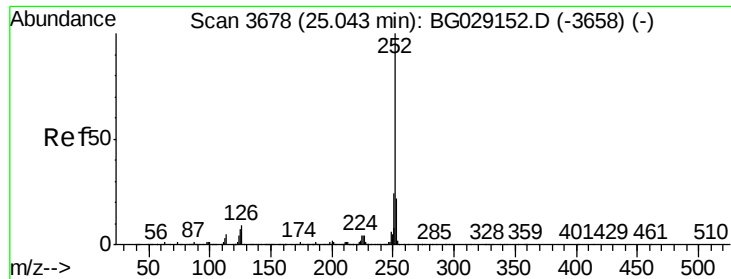


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 4.806 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

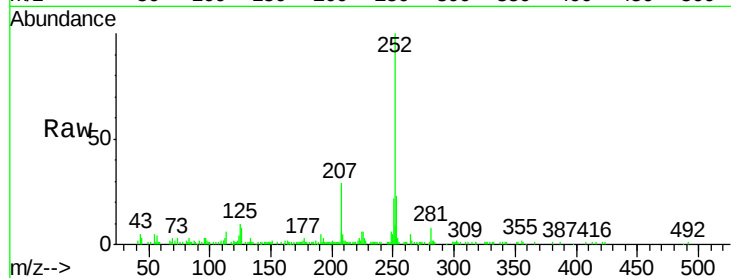
Tgt Ion:252 Resp: 103438

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

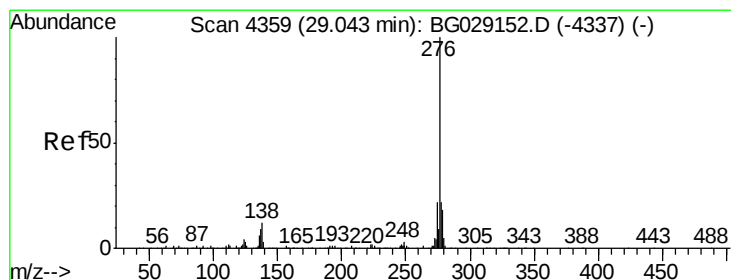
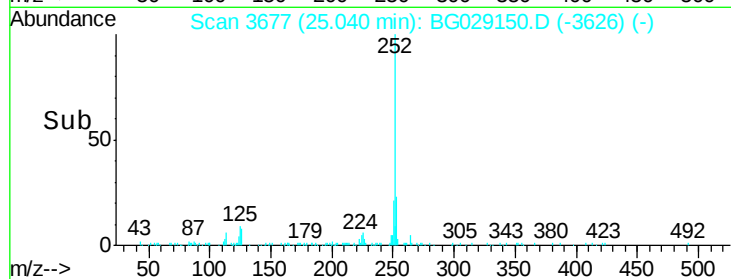
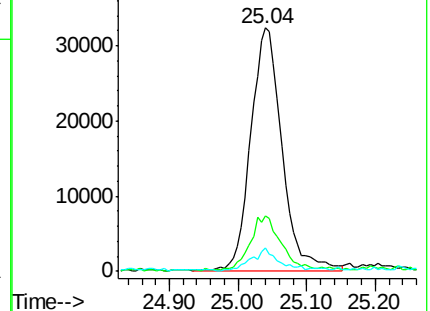
125 9.5 5.4 8.2#



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: 3.715 ng/ul

RT: 29.05 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

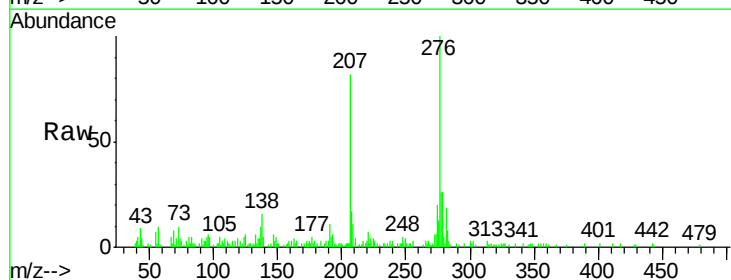
Tgt Ion:276 Resp: 90171

Ion Ratio Lower Upper

276 100

138 16.4 9.5 14.3#

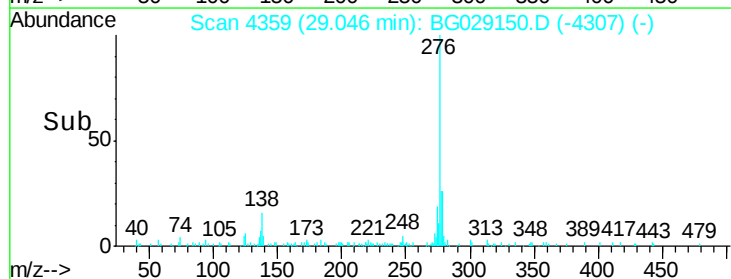
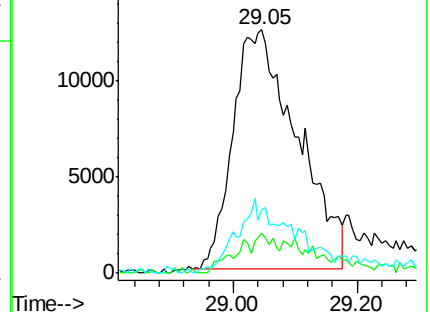
277 26.1 18.1 27.1

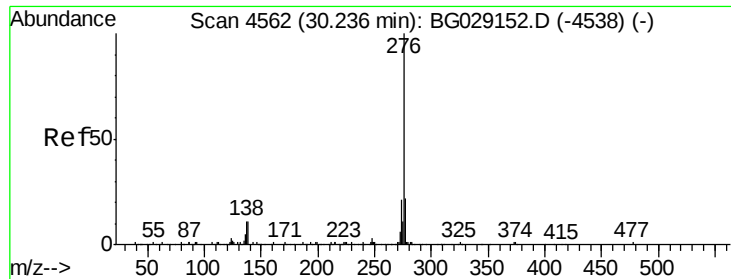


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#30

Benzo(g,h,i)perylene

Concen: 3.019 ng/ul

RT: 30.23 min Scan# 4561

Delta R.T. -0.00 min

Lab File: BG029150.D

Acq: 10 Oct 2017 22:41

Instrument :

BNA_G

ClientSampleId :

SSTD00568

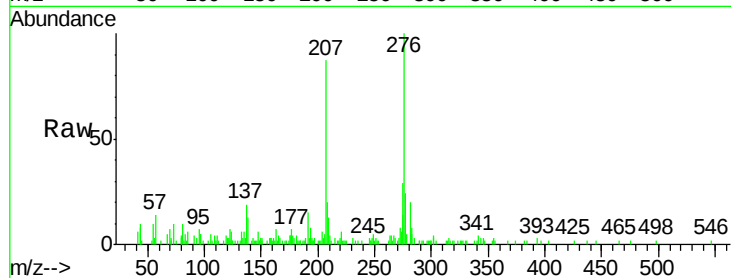
Tgt Ion:276 Resp: 58639

Ion Ratio Lower Upper

276 100

138 12.7 9.3 13.9

277 24.4 17.9 26.9



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

