

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
 Data File : BG022067.D
 Acq On : 25 May 2016 20:43
 Operator : UM/SJ
 Sample : H3203-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ1

Quant Time: May 26 03:12:40 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	38541	20.00	ng/ul	0.00
7) Naphthalene-d8	10.97	136	209494	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	119461	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	233665	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	191930	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	186024	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.53	96	1051	1.25	ng/uL	0.00
3) Phenol-d5	7.31	99	67757	19.91	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	40916	22.57	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	63041	22.56	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	64476	21.27	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	35639	24.25	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	33265	21.21	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	63391	22.87	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	46966	21.51	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	216313	23.48	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	298411	25.15	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	3690	2.28	ng/ul	0.00
21) Fluorene-d10	15.77	176	198211	23.91	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	14929	12.87	ng/ul	0.00
26) Anthracene-d10	17.63	188	275267	25.57	ng/ul	0.00
30) Pyrene-d10	19.91	212	257525	25.43	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	209808	25.40	ng/ul	0.00

Target Compounds

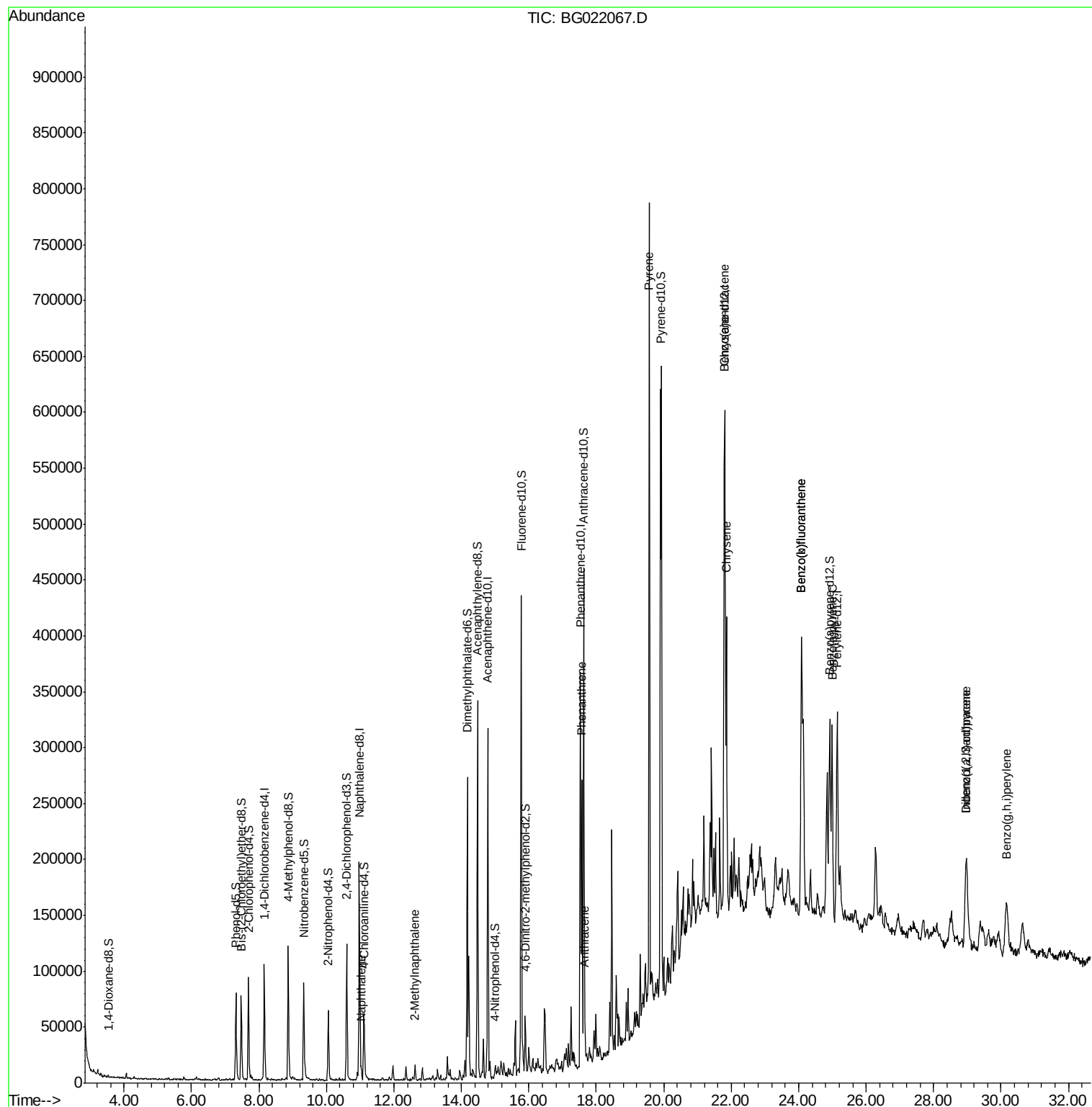
						Qvalue
11) Naphthalene	11.03	128	11804	1.16	ng/ul	98
13) 2-Methylnaphthalene	12.63	142	8807	1.19	ng/ul	97
25) Phenanthrene	17.57	178	175939	14.09	ng/ul	96
27) Anthracene	17.66	178	21353	1.70	ng/ul	98
31) Pyrene	19.57	202	466288	35.28	ng/ul	98
32) Benzo(a)anthracene	21.79	228	184637	17.34	ng/ul	98
33) Chrysene	21.86	228	197392	19.06	ng/ul	97
35) Benzo(b)fluoranthene	24.08	252	322606	30.17	ng/ul#	94
36) Benzo(k)fluoranthene	24.08	252	322606	30.67	ng/ul#	93
38) Benzo(a)pyrene	24.99	252	182772	17.87	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	28.97	276	79471	6.84	ng/ul#	89
40) Dibenzo(a,h)anthracene	28.98	278	11667	1.21	ng/ul#	82
41) Benzo(g,h,i)perylene	30.15	276	42767	4.35	ng/ul#	90

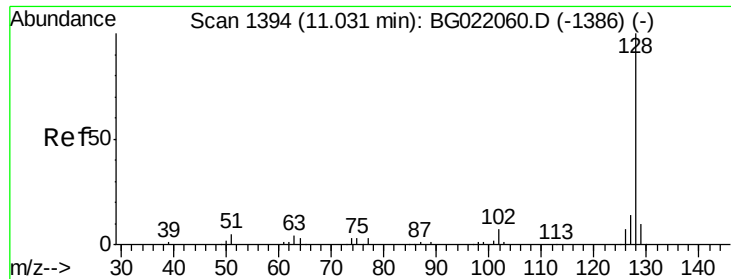
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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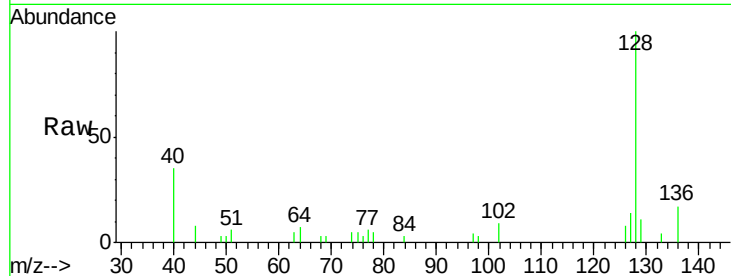




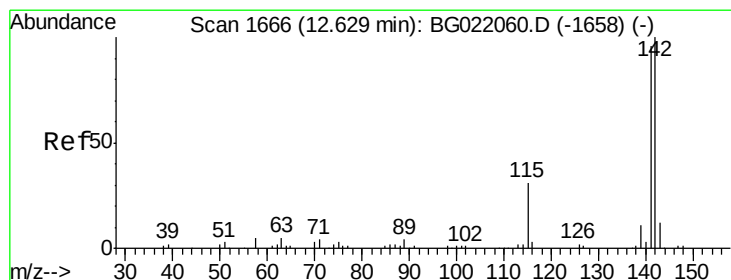
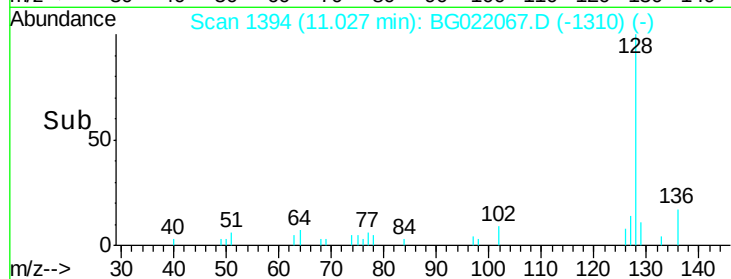
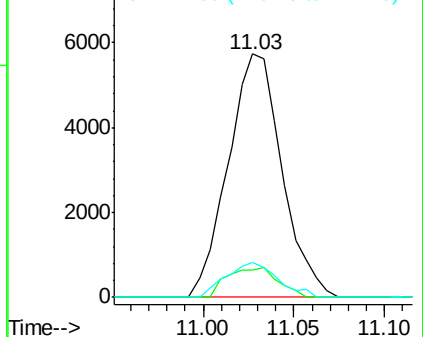
#11
Naphthalene
Concen: 1.16 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022067.D
Acq: 25 May 2016 20:43

Instrument :
BNA_G
ClientSampleId :
D9XJ1

Tgt Ion:128 Resp: 11804
Ion Ratio Lower Upper
128 100
129 11.2 8.3 12.5
127 14.2 10.8 16.2

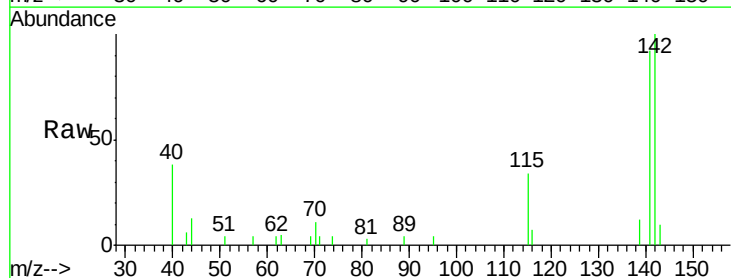


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

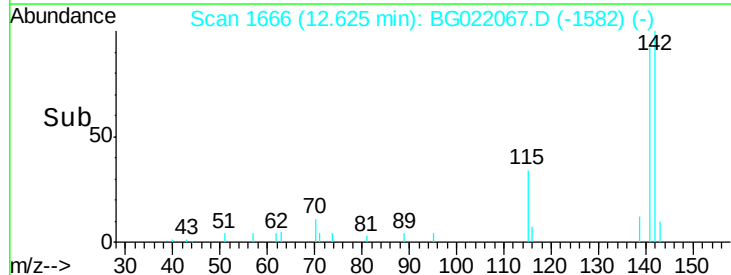
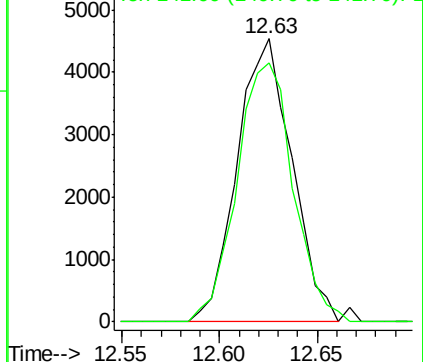


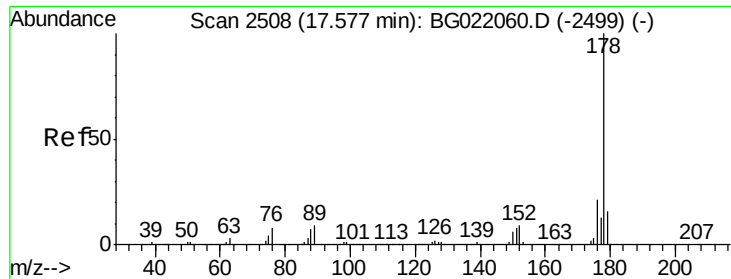
#13
2-Methylnaphthalene
Concen: 1.19 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BG022067.D
Acq: 25 May 2016 20:43

Tgt Ion:142 Resp: 8807
Ion Ratio Lower Upper
142 100
141 91.6 71.3 106.9



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





#25

Phenanthrene

Concen: 14.09 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

Instrument :

BNA_G

ClientSampleId :

D9XJ1

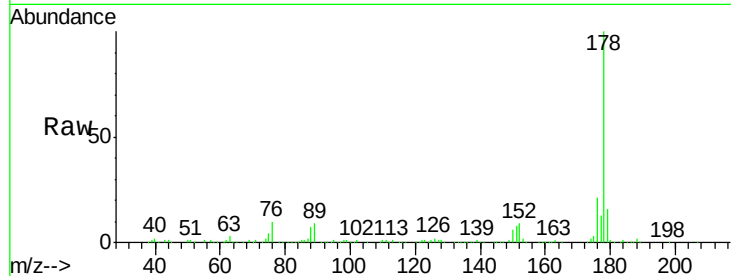
Tgt Ion:178 Resp: 175939

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.8

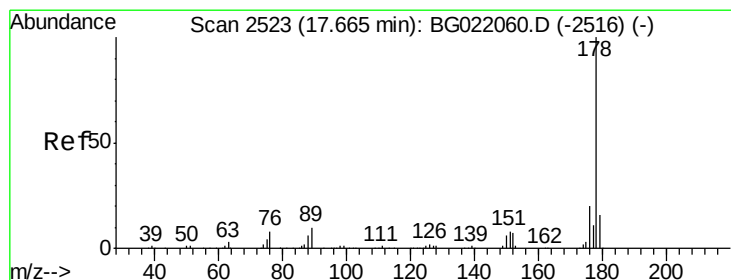
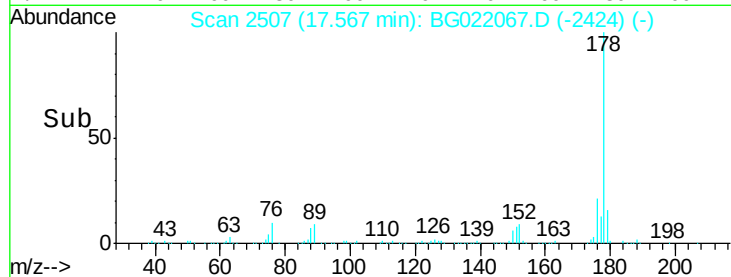
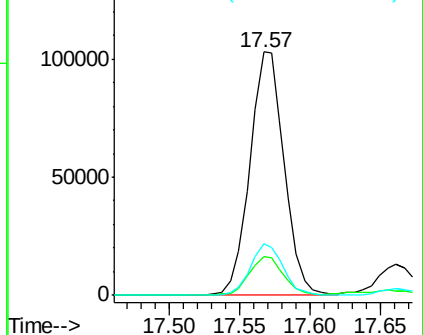
176 20.9 14.8 22.2



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



#27

Anthracene

Concen: 1.70 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

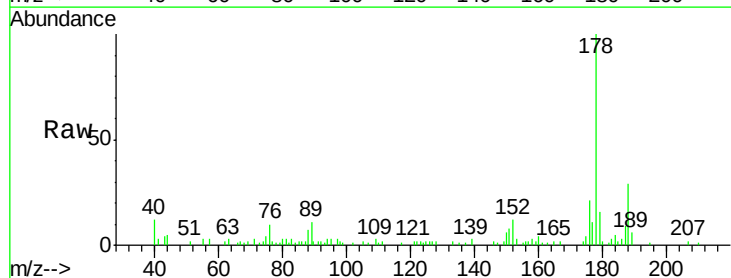
Tgt Ion:178 Resp: 21353

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

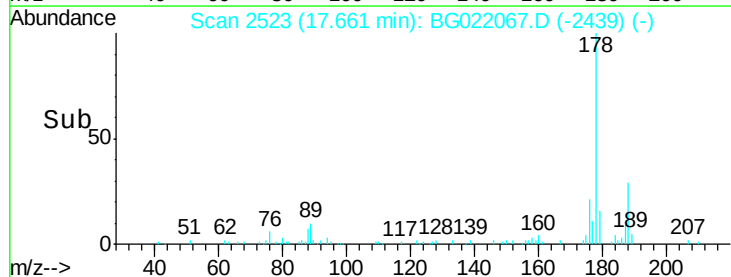
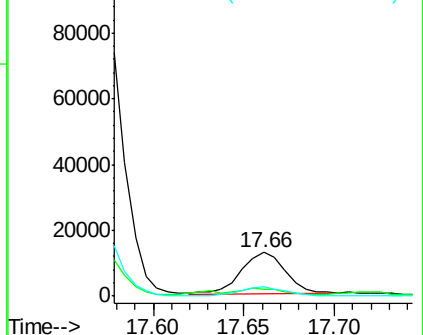
176 21.1 15.6 23.4

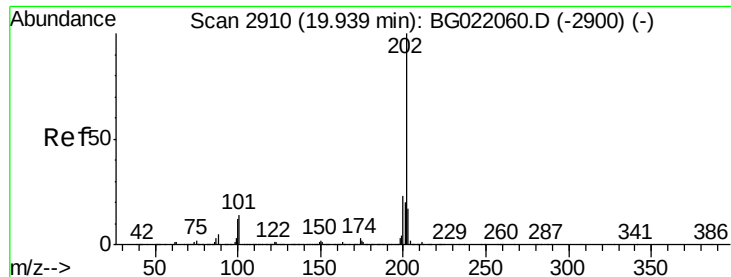


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#31

Pyrene

Concen: 35.28 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.37 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

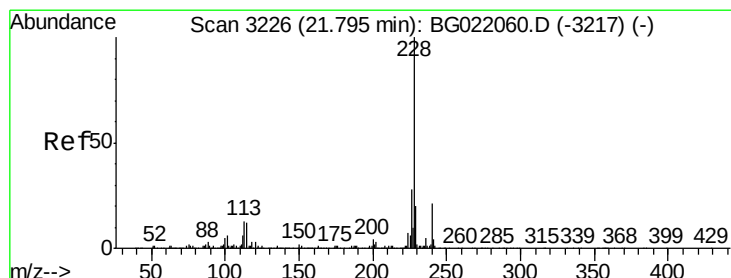
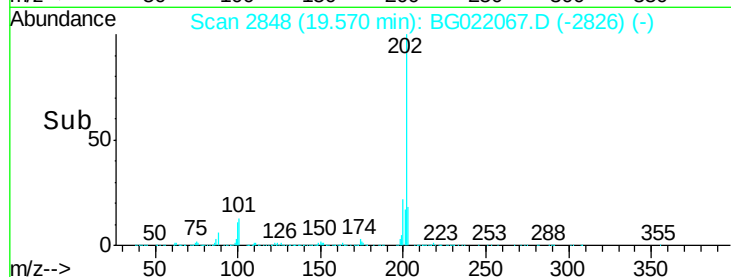
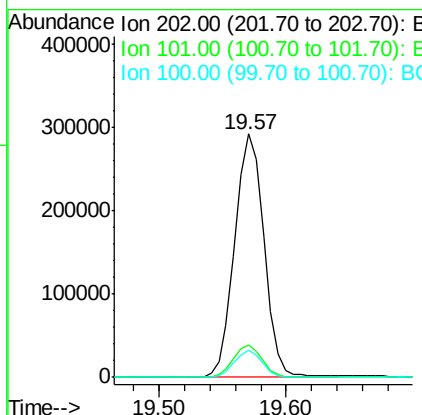
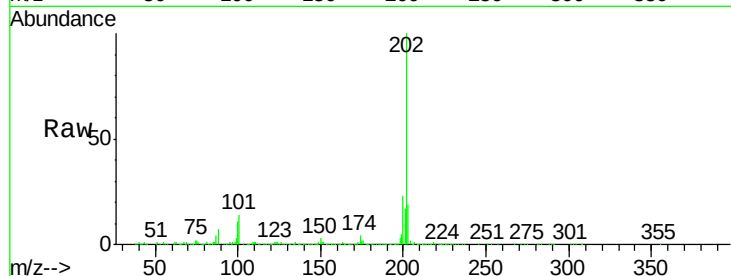
Instrument :

BNA_G

ClientSampleId :

D9XJ1

Tgt Ion:	202	Resp:	466288
Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.8	14.8
100	11.3	9.3	13.9



#32

Benzo(a)anthracene

Concen: 17.34 ng/ul

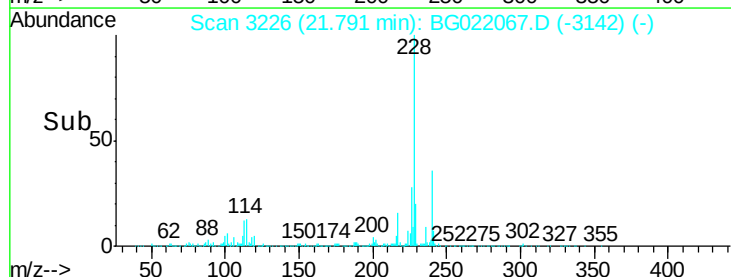
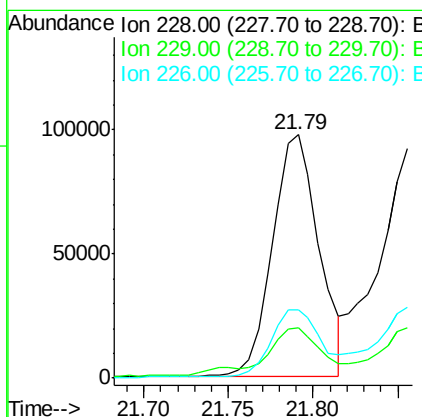
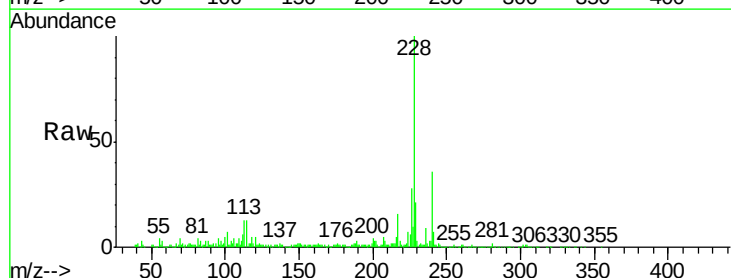
RT: 21.79 min Scan# 3226

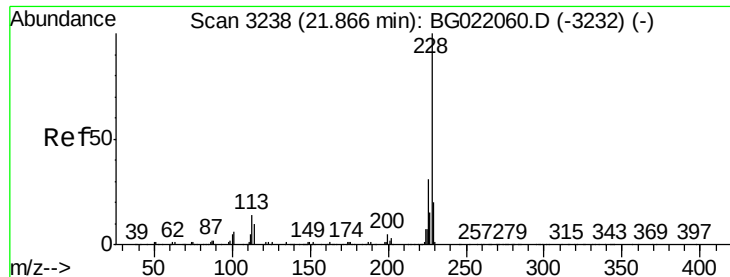
Delta R.T. -0.00 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

Tgt Ion:	228	Resp:	184637
Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	28.0	21.0	31.4





#33

Chrysene

Concen: 19.06 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

Instrument :

BNA_G

ClientSampleId :

D9XJ1

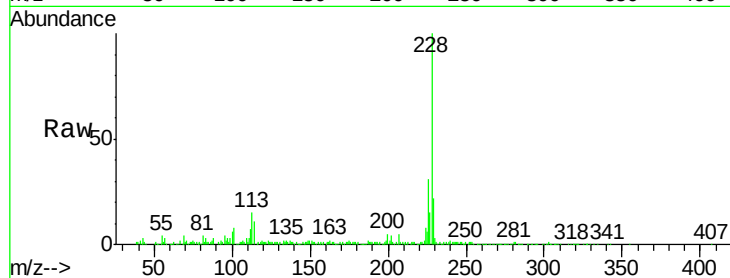
Tgt Ion:228 Resp: 197392

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

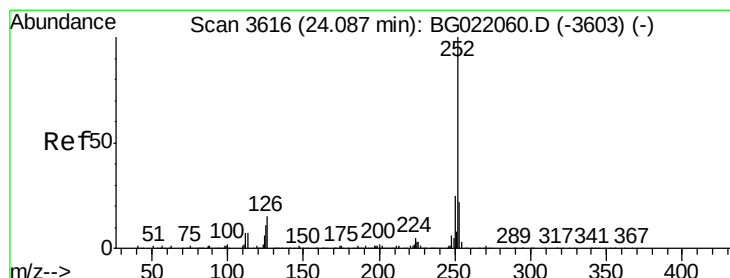
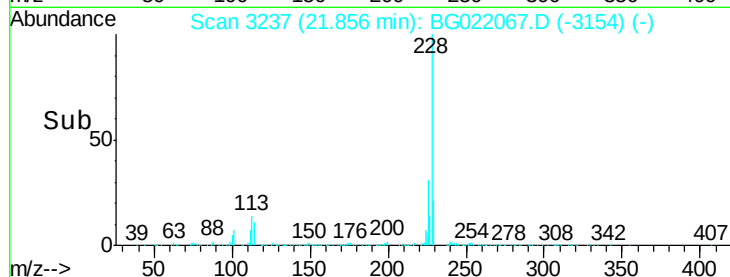
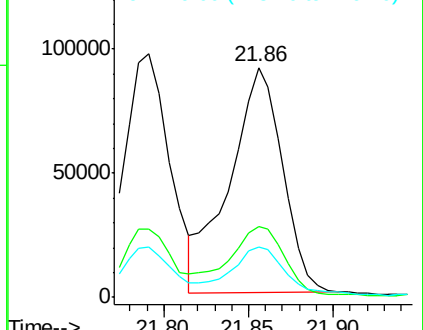
229 22.0 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 30.17 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. -0.00 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

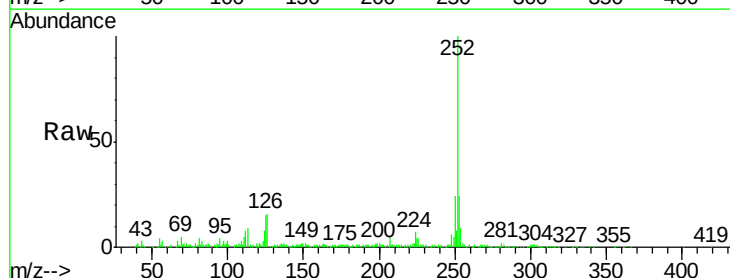
Tgt Ion:252 Resp: 322606

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

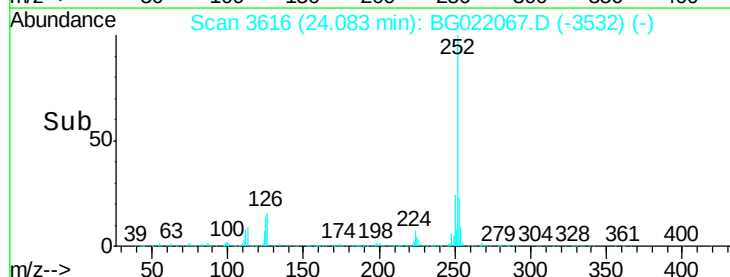
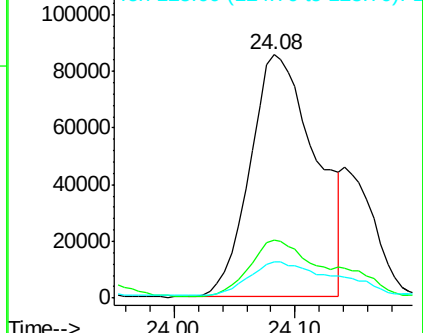
125 15.1 7.6 11.4#

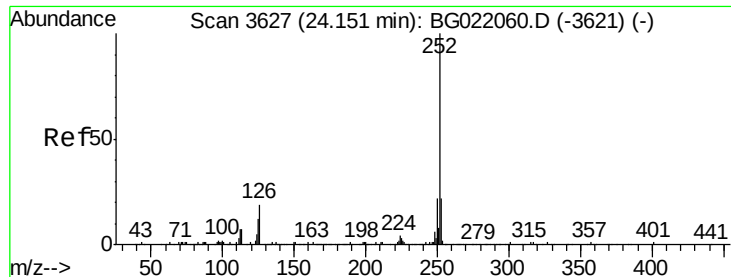


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

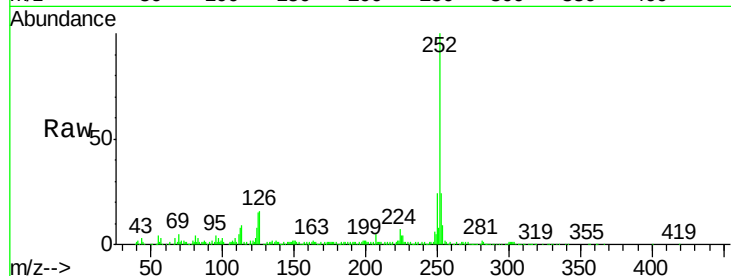




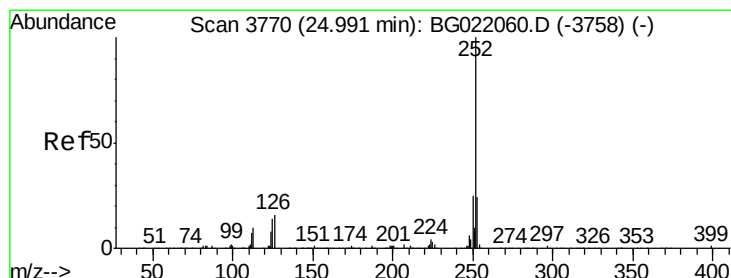
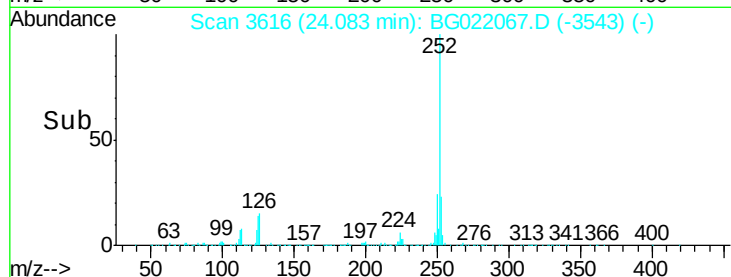
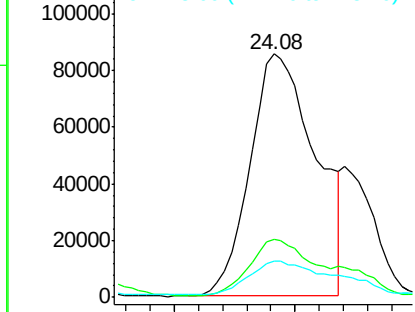
#36
Benzo(k)fluoranthene
Concen: 30.67 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. -0.07 min
Lab File: BG022067.D
Acq: 25 May 2016 20:43

Instrument :
BNA_G
ClientSampleId :
D9XJ1

Tgt Ion:252 Resp: 322606
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 15.1 7.7 11.5#

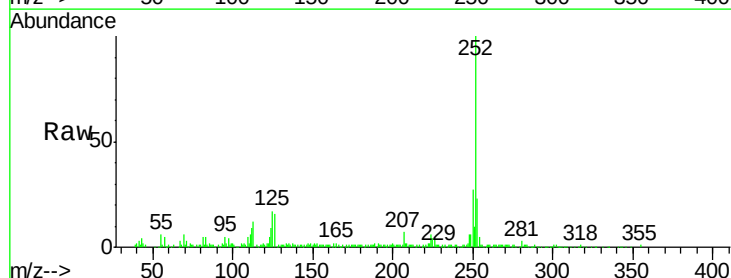


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

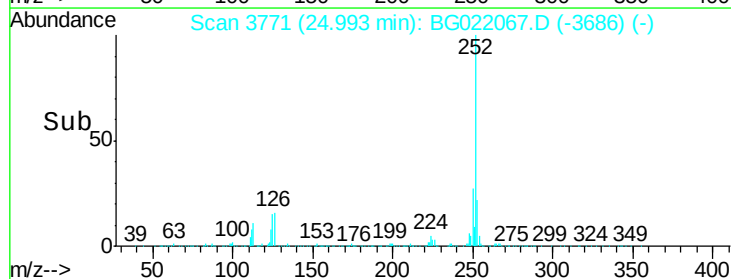
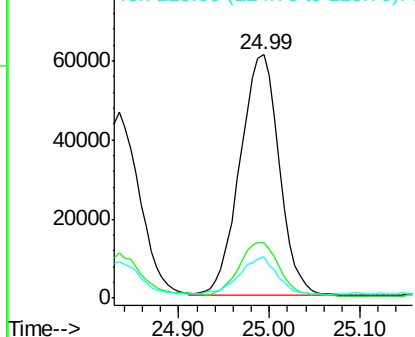


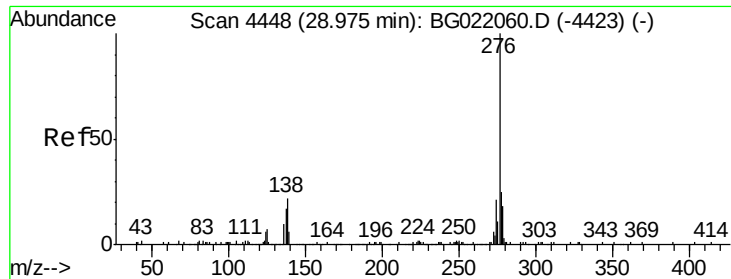
#38
Benzo(a)pyrene
Concen: 17.87 ng/ul
RT: 24.99 min Scan# 3771
Delta R.T. 0.00 min
Lab File: BG022067.D
Acq: 25 May 2016 20:43

Tgt Ion:252 Resp: 182772
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 16.9 8.2 12.2#



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





#39

Indeno(1,2,3-cd)pyrene

Concen: 6.84 ng/ul

RT: 28.97 min Scan# 4447

Delta R.T. -0.01 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

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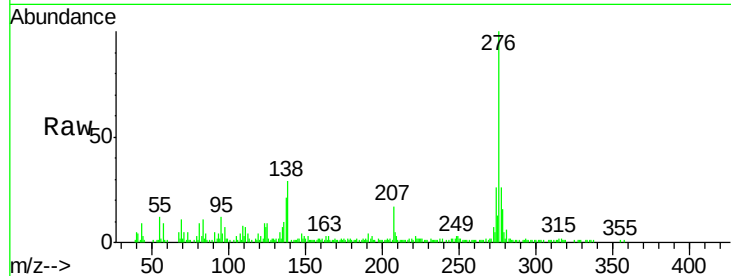
Tgt Ion:276 Resp: 79471

Ion Ratio Lower Upper

276 100

138 28.6 15.8 23.6#

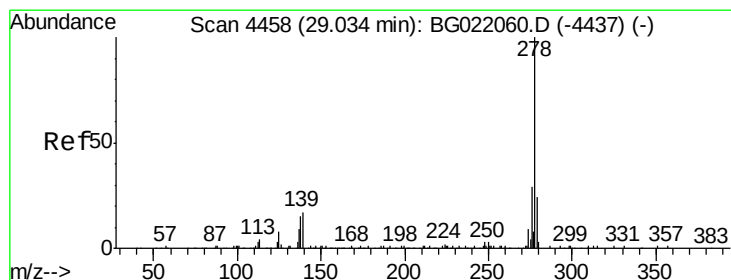
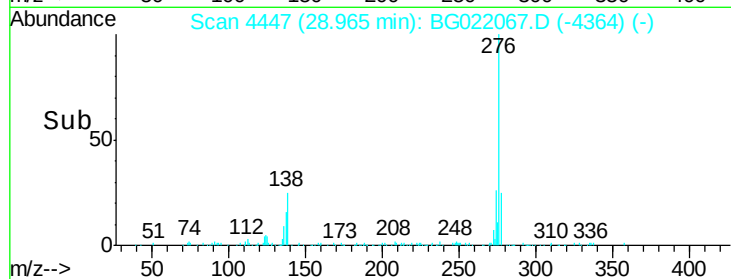
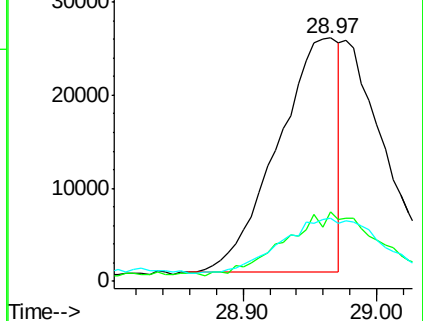
277 26.0 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 1.21 ng/ul

RT: 28.98 min Scan# 4449

Delta R.T. -0.06 min

Lab File: BG022067.D

Acq: 25 May 2016 20:43

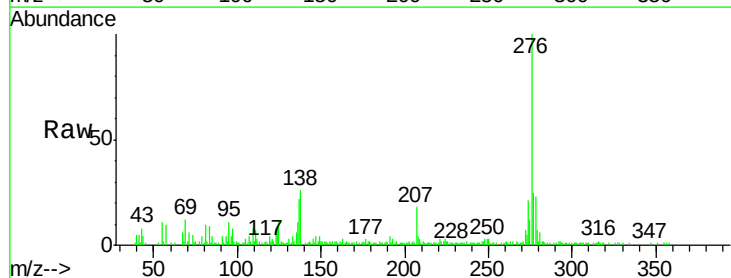
Tgt Ion:278 Resp: 11667

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

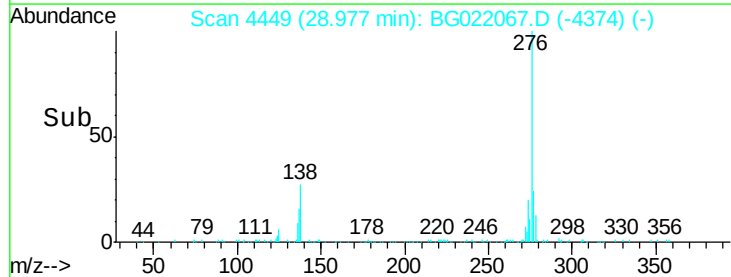
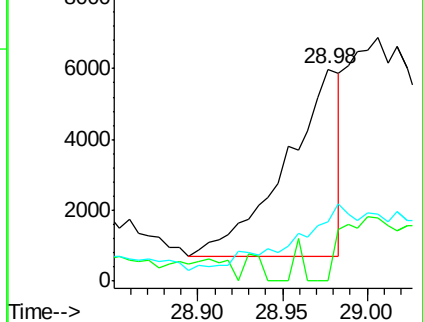
279 28.1 19.8 29.8

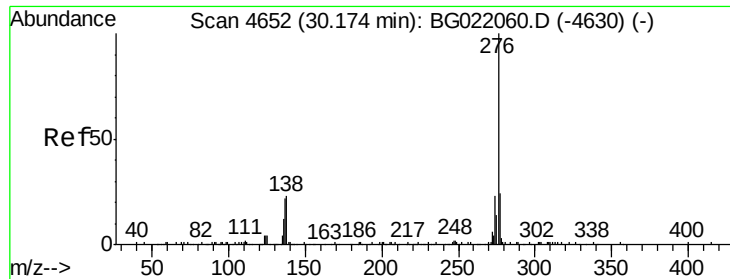


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 4.35 ng/ul

RT: 30.15 min Scan# 4649

Delta R.T. -0.02 min

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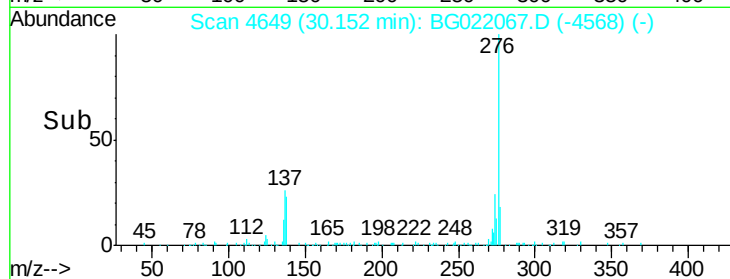
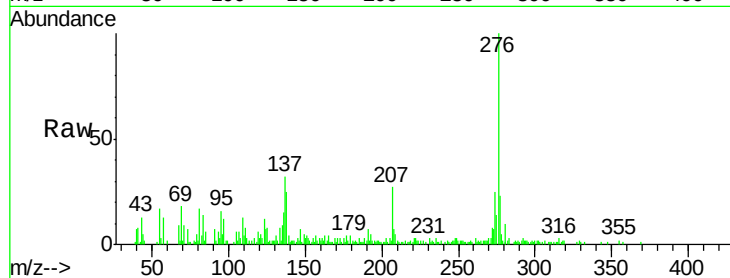
Tgt Ion:276 Resp: 42767

Ion Ratio Lower Upper

276 100

138 25.1 13.9 20.9#

277 22.7 19.8 29.6



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

