

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026291.D
 Acq On : 17 Mar 2017 21:15
 Operator : SJ/MA
 Sample : I2218-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

Quant Time: Mar 18 00:14:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:14:20 2017
 Response via : Initial Calibration

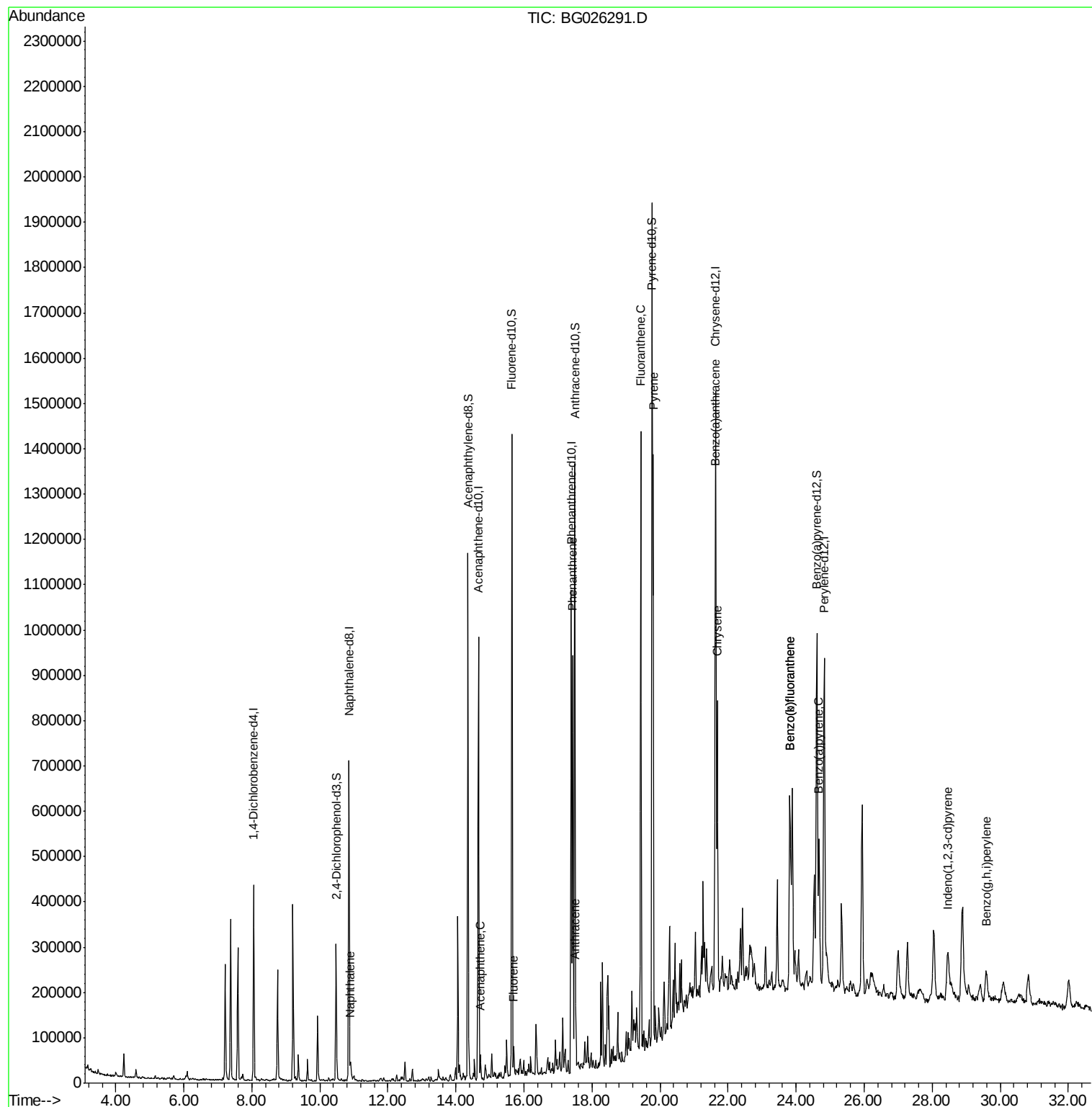
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	131058	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	622867	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	336981	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	661578	20.00	ng/ul	0.00
18) Chrysene-d12	21.63	240	648947	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	598499	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	135234	14.66	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	874732	30.44	ng/ul	0.00
10) Fluorene-d10	15.65	176	602748	28.76	ng/ul	0.00
15) Anthracene-d10	17.49	188	803545	27.33	ng/ul	0.00
19) Pyrene-d10	19.77	212	872628	26.35	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	801726	31.06	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	37069	1.22	ng/ul#	93
9) Acenaphthene	14.72	153	23127	1.11	ng/ul	95
11) Fluorene	15.70	166	30312	1.29	ng/ul	99
14) Phenanthrene	17.43	178	558123	15.92	ng/ul	99
16) Anthracene	17.52	178	85555	2.42	ng/ul	97
17) Fluoranthene	19.43	202	831797	22.85	ng/ul	99
20) Pyrene	19.80	202	791641	19.16	ng/ul	98
21) Benzo(a)anthracene	21.62	228	426567	11.81	ng/ul	97
22) Chrysene	21.68	228	424118	12.58	ng/ul	98
24) Benzo(b)fluoranthene	23.81	252	546648	16.09	ng/ul	97
25) Benzo(k)fluoranthene	23.81	252	546648	16.85	ng/ul	96
27) Benzo(a)pyrene	24.67	252	331684	10.50	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.44	276	190704	5.47	ng/ul	98
30) Benzo(a,h,i)perylene	29.59	276	137898	4.62	ng/ul	97

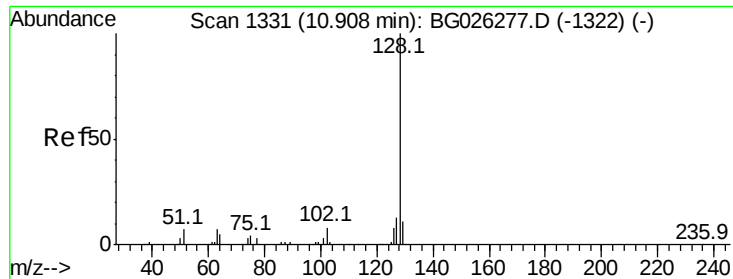
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.22 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

ClientSampleId :

CB2Z4

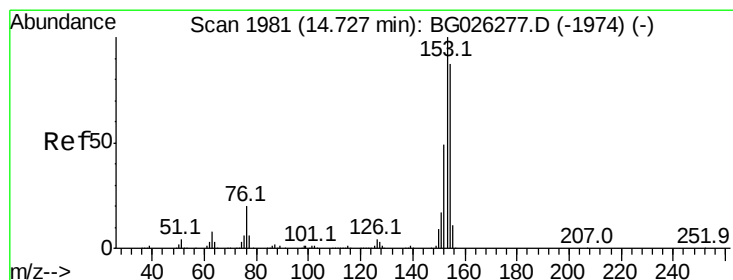
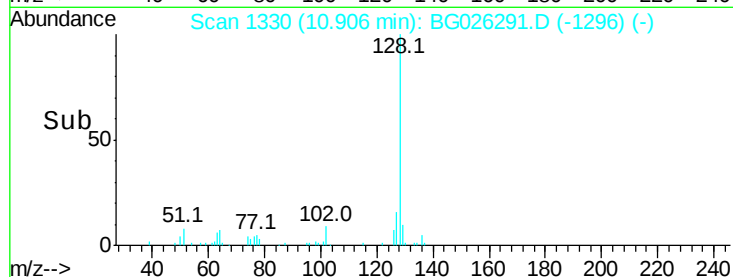
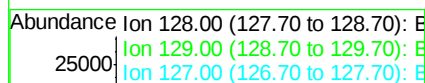
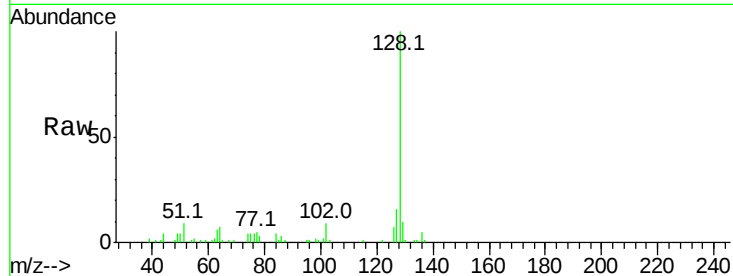
Tot Ion:128 Resp: 37069

Ion Ratio Lower Upper

128 100

129 9.5 9.1 13.7

127 16.4 10.6 15.8#



#9

Acenaphthene

Concen: 1.11 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

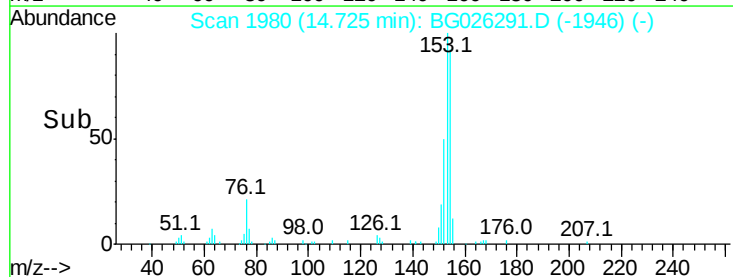
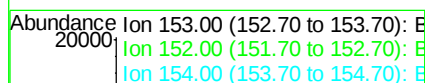
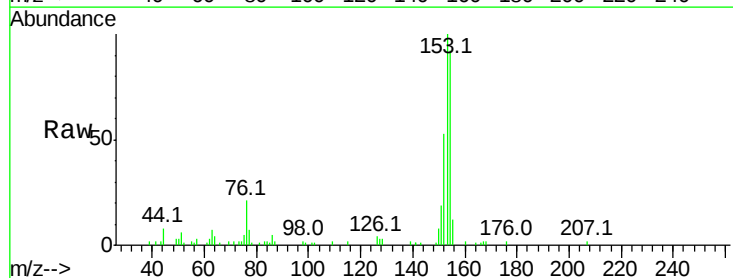
Tgt Ion:153 Resp: 23127

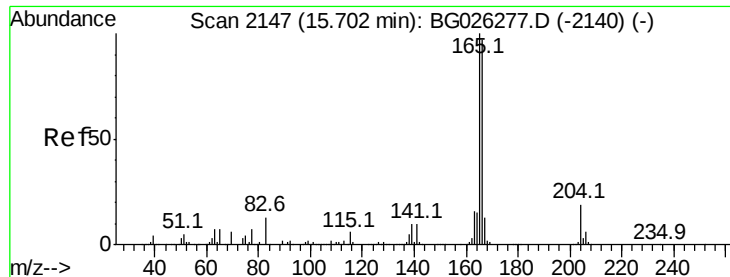
Ion Ratio Lower Upper

153 100

152 53.1 37.9 56.9

154 91.9 71.6 107.4

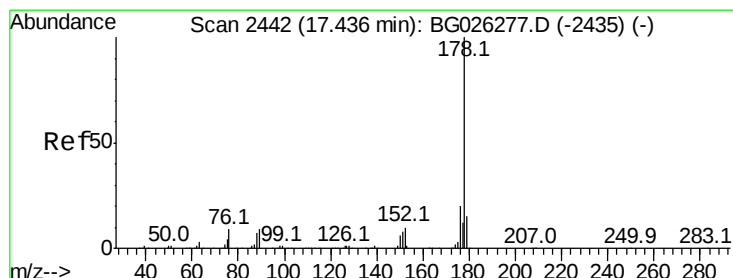
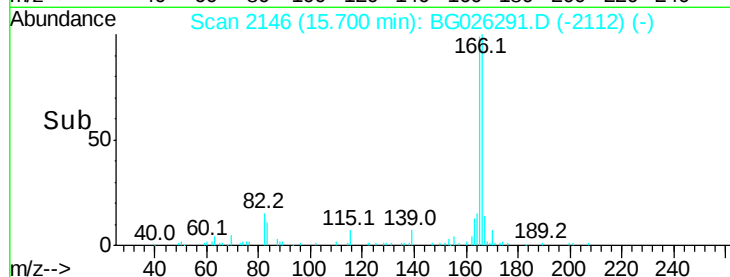
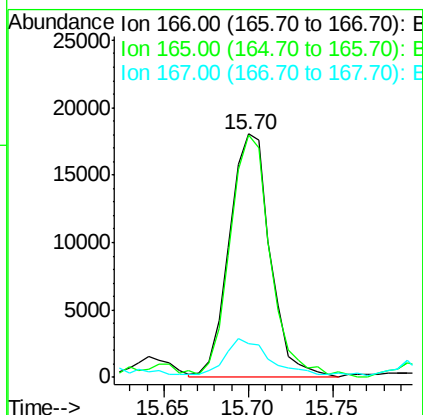
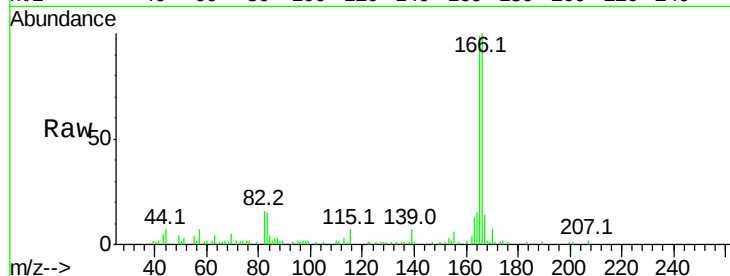




#11
 Fluorene
 Concen: 1.29 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

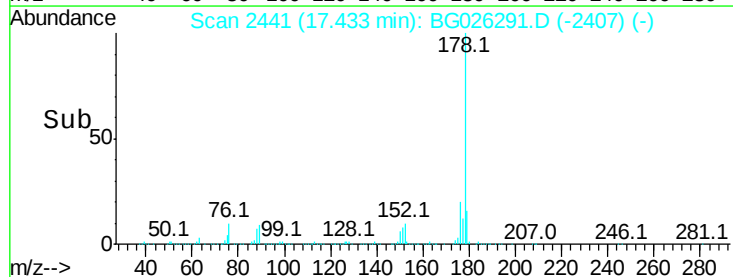
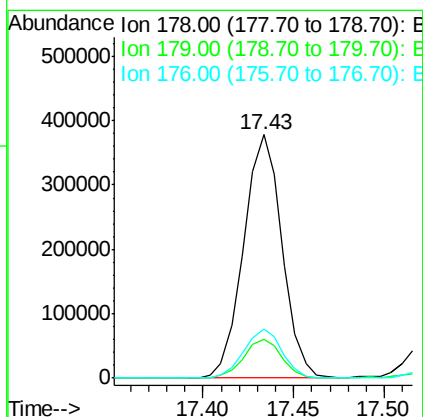
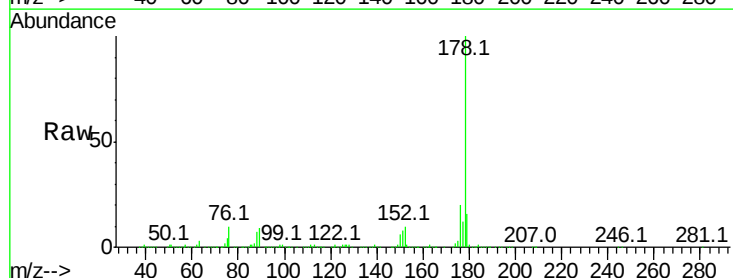
Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

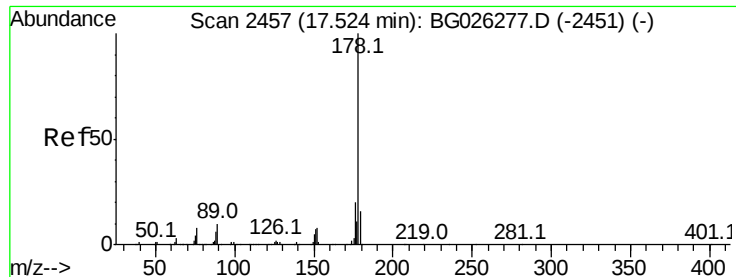
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	80.0	120.0
167	13.8	11.6	17.4



#14
 Phenanthrene
 Concen: 15.92 ng/ul
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.4
176	20.2	16.4	24.6

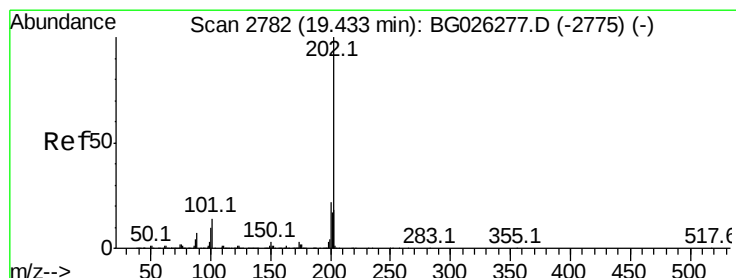
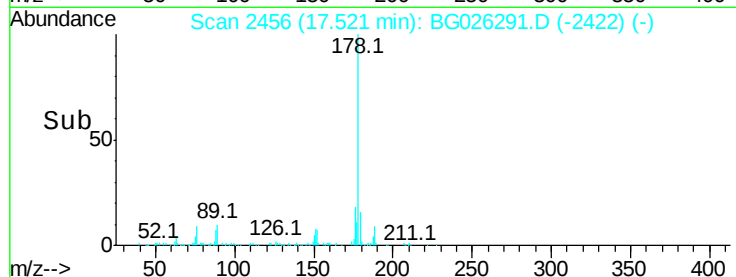
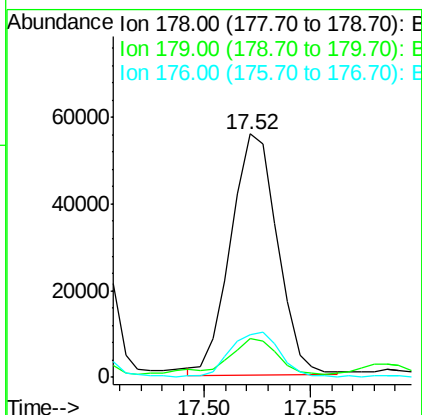
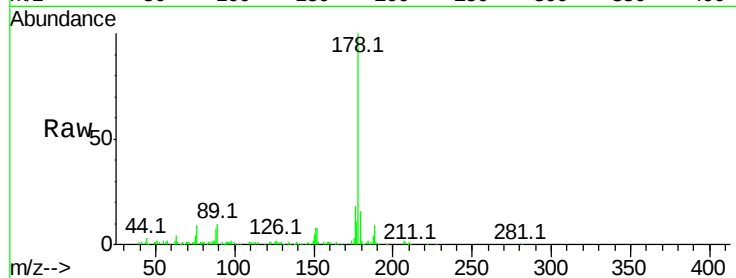




#16
 Anthracene
 Concen: 2.42 ng/ul
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

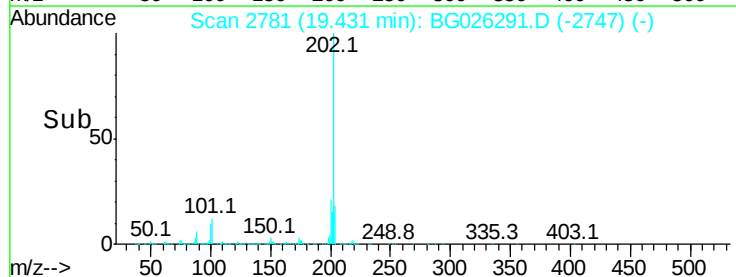
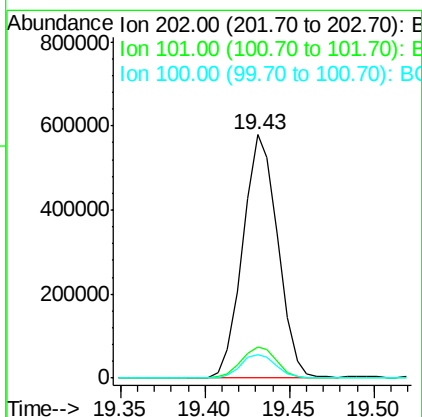
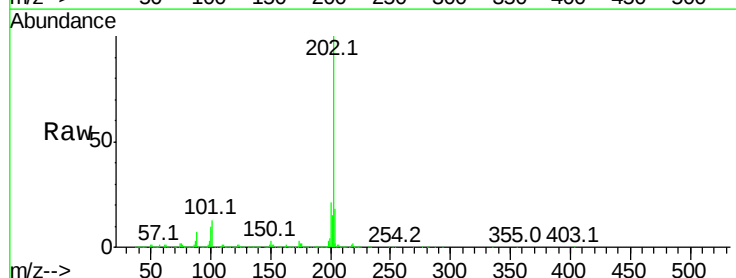
Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

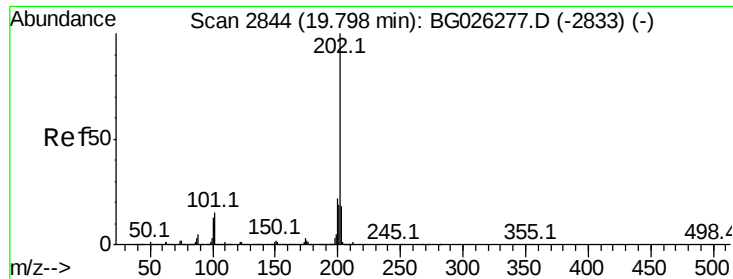
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.7	19.1
176	17.7	15.8	23.8



#17
 Fluoranthene
 Concen: 22.85 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
100	9.7	7.5	11.3

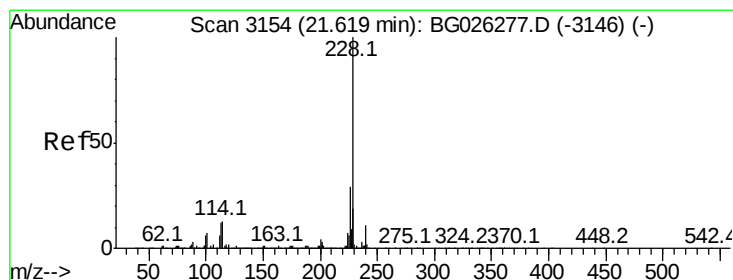
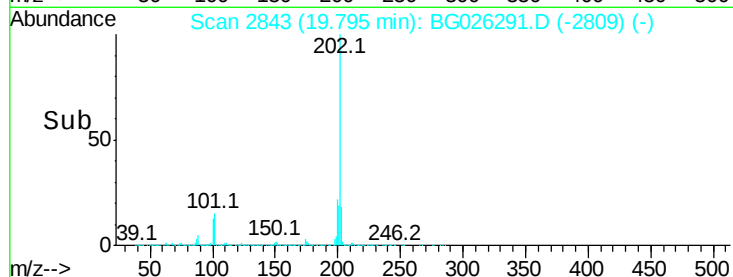
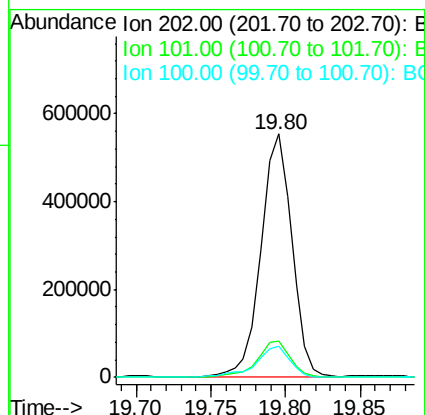
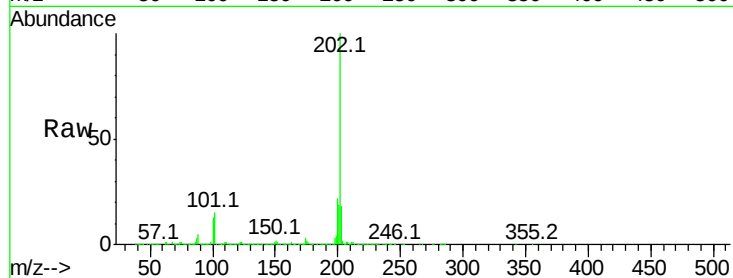




#20
Pvrene
Concen: 19.16 ng/ul
RT: 19.80 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

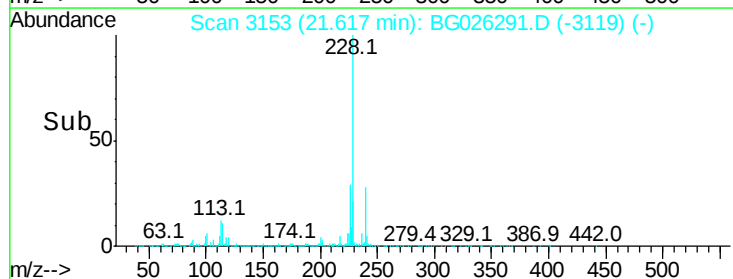
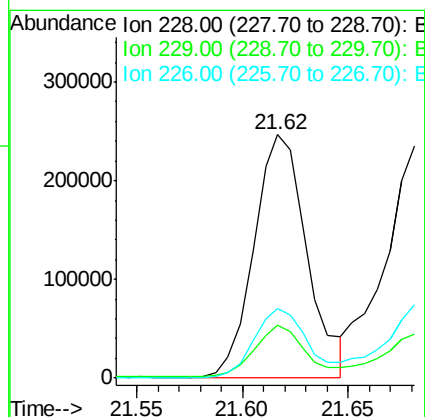
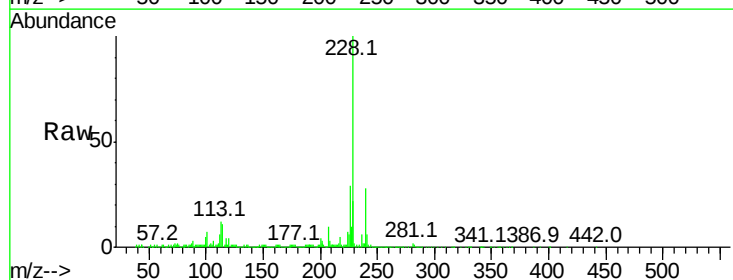
Instrument :
BNA_G
ClientSampleId :
CB2Z4

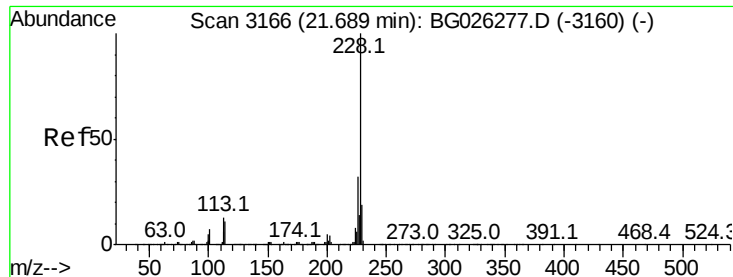
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.2	16.8
100	12.6	9.8	14.6



#21
Benzo(a)anthracene
Concen: 11.81 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.9	23.9
226	28.8	22.1	33.1





#22

Chrysene

Concen: 12.58 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

ClientSampleId :

CB2Z4

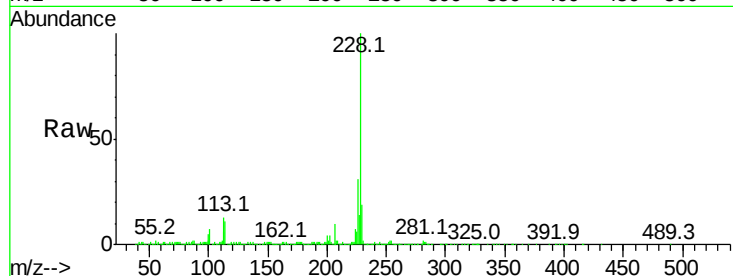
Tot Ion:228 Resp: 424118

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

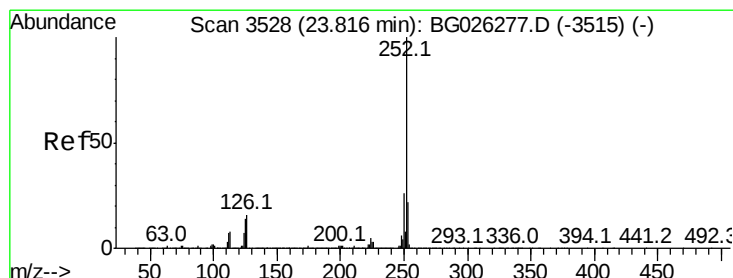
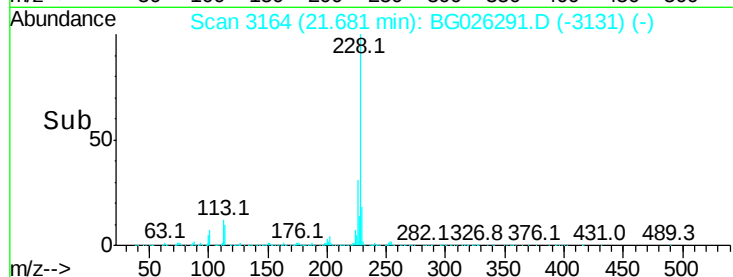
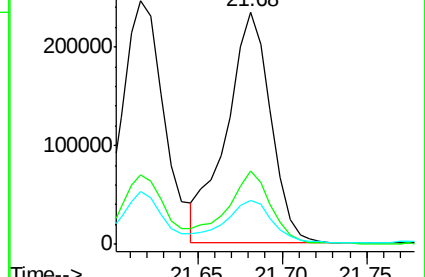
229 19.2 16.6 25.0



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: 16.09 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

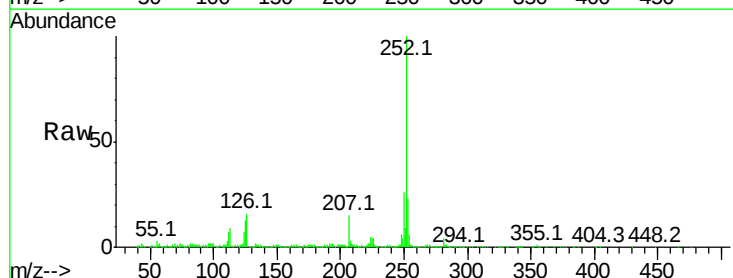
Tgt Ion:252 Resp: 546648

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

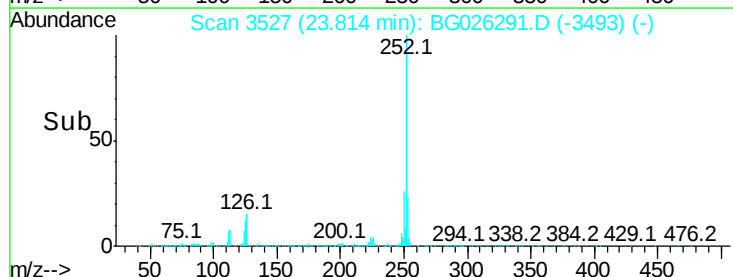
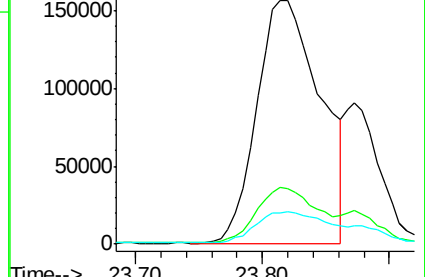
125 12.7 9.4 14.0

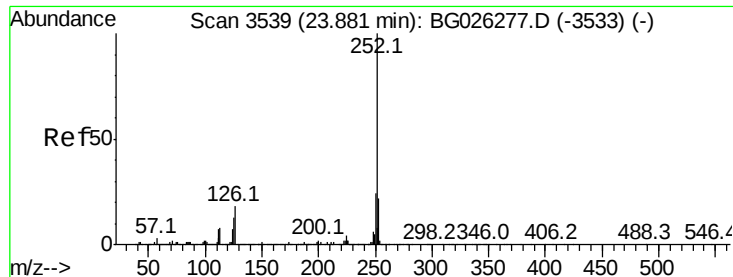


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 16.85 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.07 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

ClientSampleId :

CB2Z4

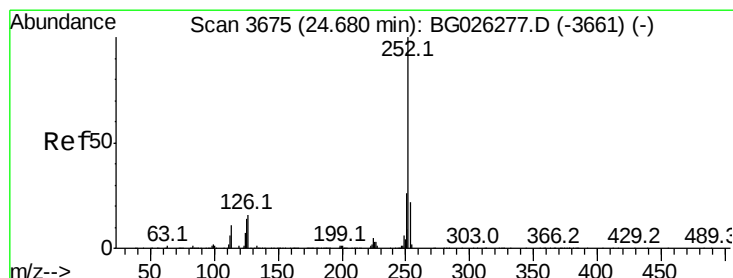
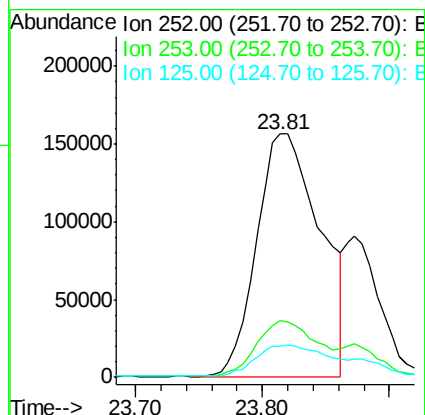
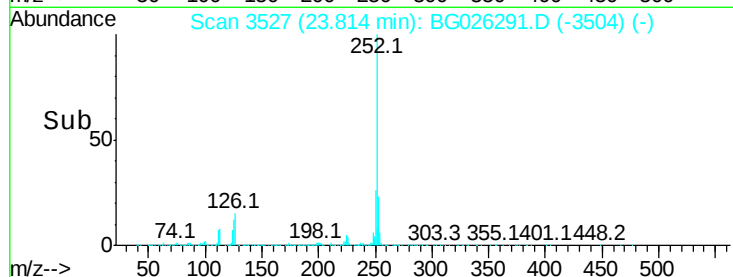
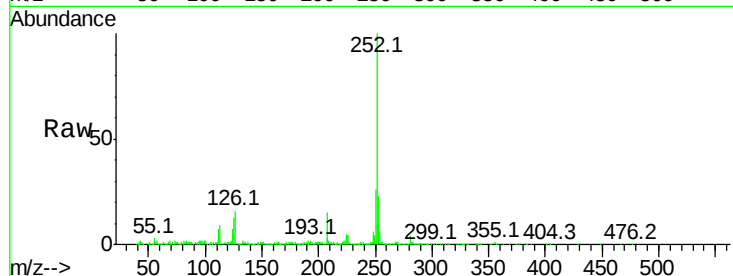
Tot Ion:252 Resp: 546648

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 12.7 8.8 13.2



#27

Benzo(a)pyrene

Concen: 10.50 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

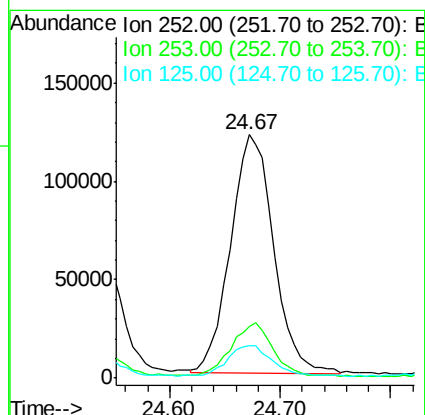
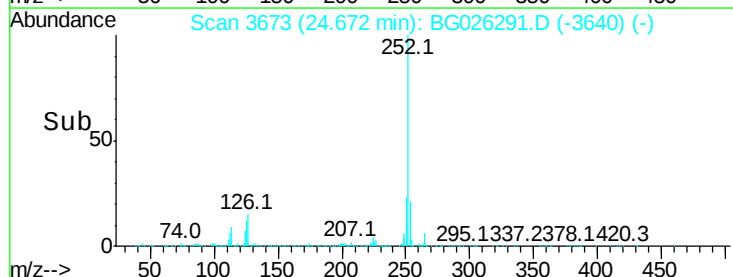
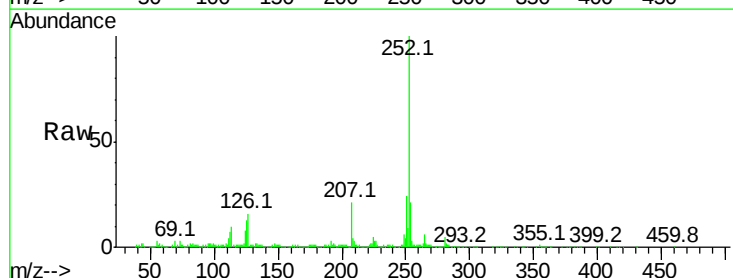
Tgt Ion:252 Resp: 331684

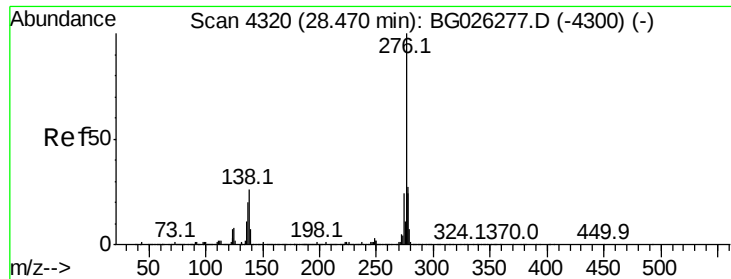
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 13.2 9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 5.47 ng/ul

RT: 28.44 min Scan# 4315

Delta R.T. -0.03 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

ClientSampleId :

CB2Z4

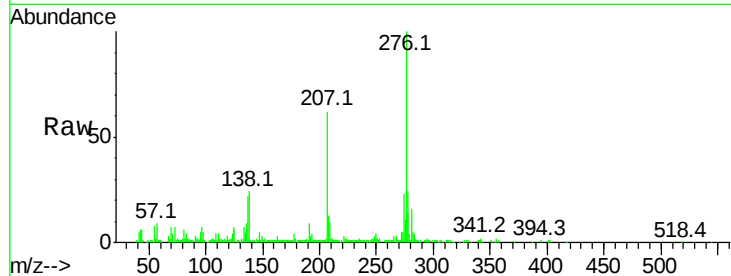
Tot Ion:276 Resp: 190704

Ion Ratio Lower Upper

276 100

138 23.6 17.8 26.6

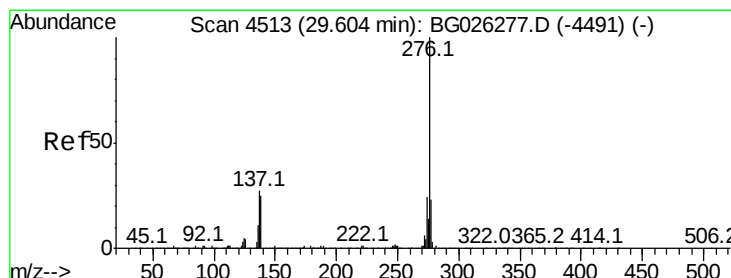
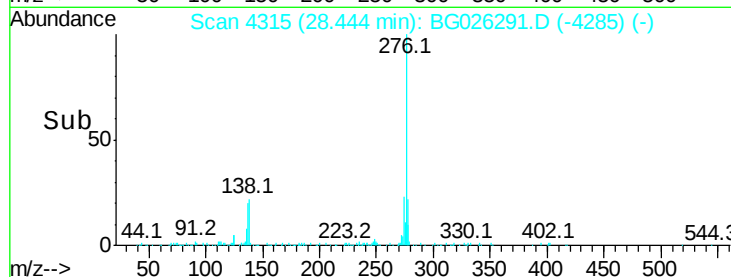
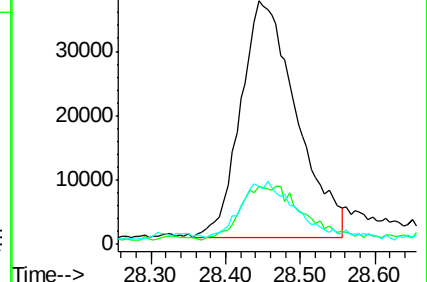
277 24.0 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 4.62 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

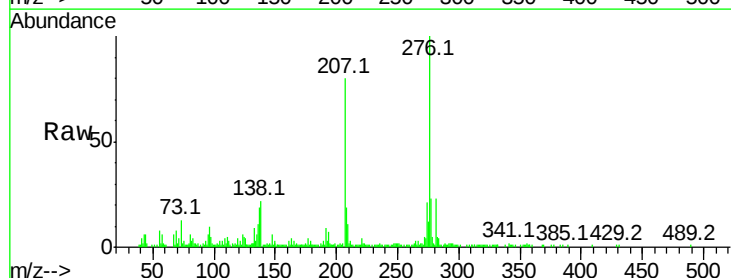
Tgt Ion:276 Resp: 137898

Ion Ratio Lower Upper

276 100

138 22.5 19.0 28.4

277 22.9 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

