

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006050.D
 Acq On : 26 Jun 2016 21:35
 Operator : UM/SJ
 Sample : H3670-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y98

Quant Time: Jun 27 05:18:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	353979	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1677634	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	988188	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2193269	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1948355	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1618601	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	10499	1.32	ng/uL	0.00
3) Phenol-d5	6.83	99	515051	13.83	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	327723	15.82	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	410379	15.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	292026	9.29	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	218283	17.09	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	246371	17.34	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	444981	16.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	247789	8.38	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1427010	16.87	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1808133	18.43	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	168406	9.33	ng/ul	0.00
21) Fluorene-d10	15.30	176	1248729	17.29	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	156544	12.86	ng/ul	0.00
26) Anthracene-d10	17.15	188	1880417	18.67	ng/ul	0.00
30) Pyrene-d10	19.45	212	2005139	23.49	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1395715	19.10	ng/ul	0.00

Target Compounds

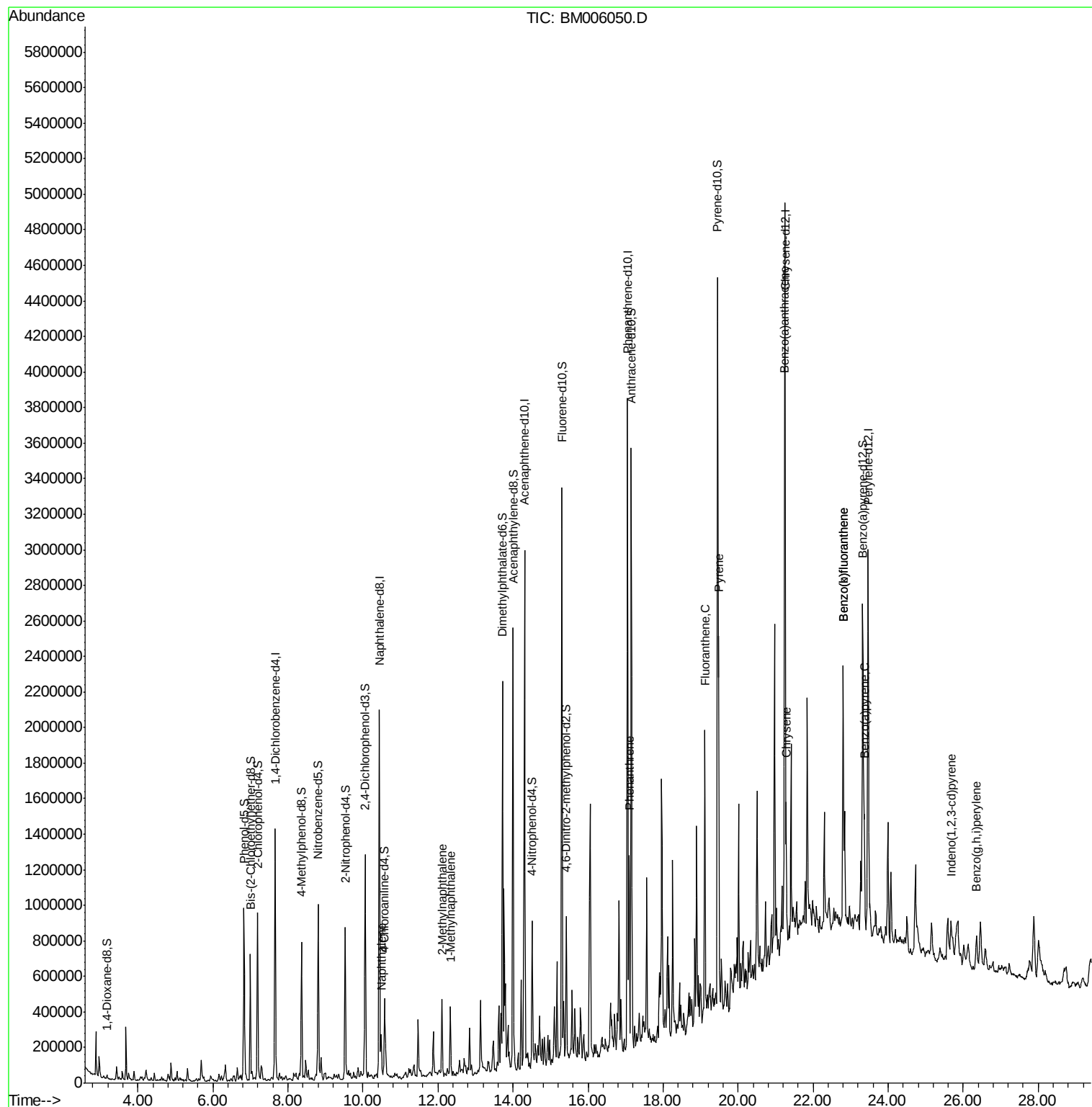
						Qvalue
11) Naphthalene	10.49	128	171608	2.05	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	202655	3.00	ng/ul	99
14) 1-Methylnaphthalene	12.33	142	176565	2.73	ng/ul	97
25) Phenanthrene	17.10	178	648905	5.50	ng/ul	100
28) Fluoranthene	19.12	202	863416	5.71	ng/ul	99
31) Pyrene	19.48	202	741440	6.65	ng/ul	98
32) Benzo(a)anthracene	21.23	228	431737	3.73	ng/ul	95
33) Chrysene	21.28	228	525274	4.97	ng/ul#	95
35) Benzo(b)fluoranthene	22.80	252	562285	5.98	ng/ul#	95
36) Benzo(k)fluoranthene	22.80	252	562285	6.43	ng/ul#	95
38) Benzo(a)pyrene	23.37	252	329834	3.66	ng/ul	95
39) Indeno(1,2,3-cd)pyrene	25.67	276	233199	2.17	ng/ul	98
41) Benzo(g,h,i)perylene	26.36	276	232252	2.50	ng/ul	99

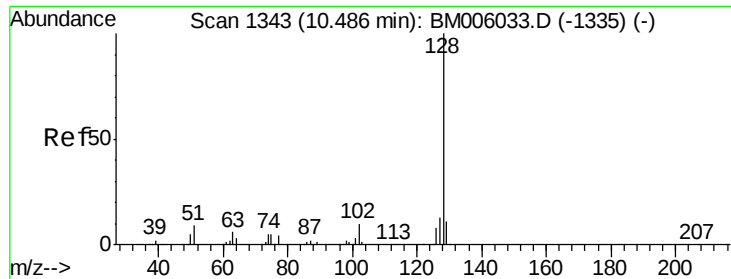
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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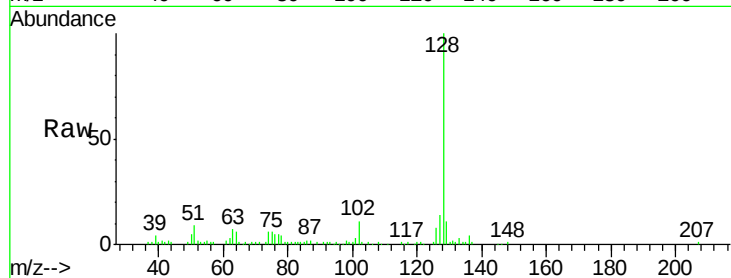




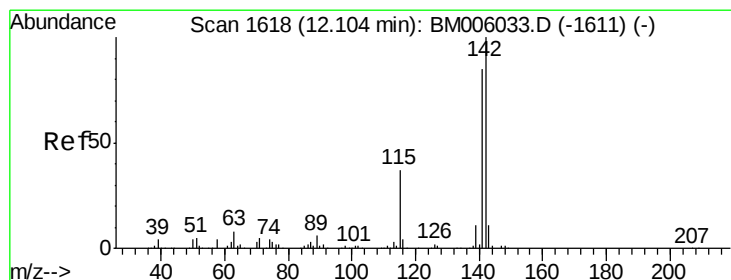
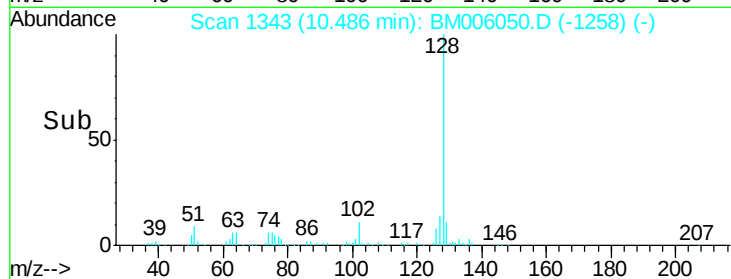
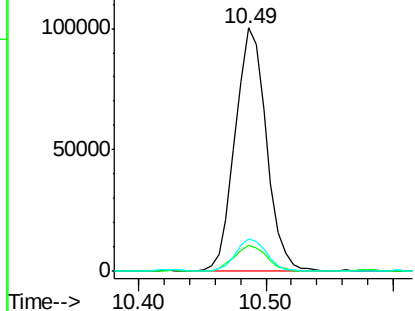
#11
Naphthalene
Concen: 2.05 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006050.D
Acq: 26 Jun 2016 21:35

Instrument :
BNA_M
ClientSampleId :
D9Y98

Tgt Ion:128 Resp: 171608
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.6 10.2 15.4

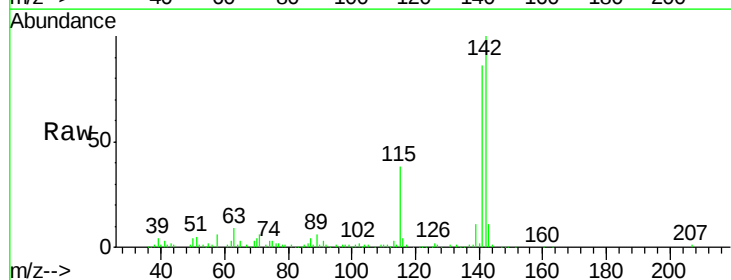


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

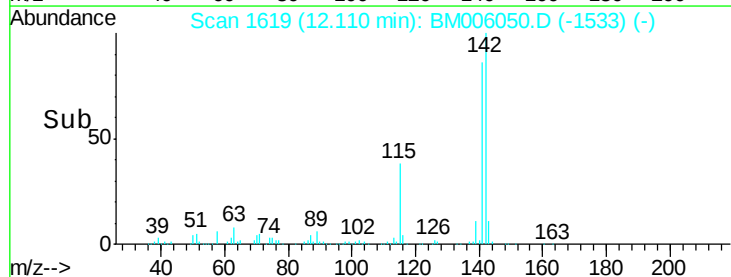
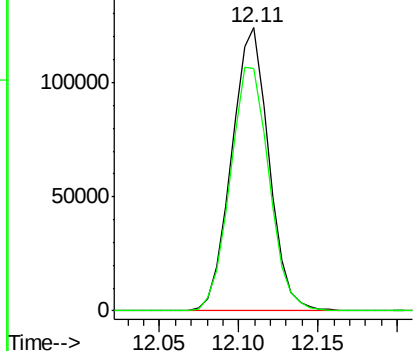


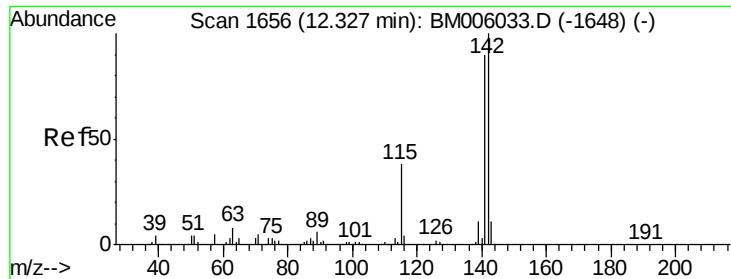
#13
2-Methylnaphthalene
Concen: 3.00 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006050.D
Acq: 26 Jun 2016 21:35

Tgt Ion:142 Resp: 202655
Ion Ratio Lower Upper
142 100
141 85.6 69.4 104.2



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

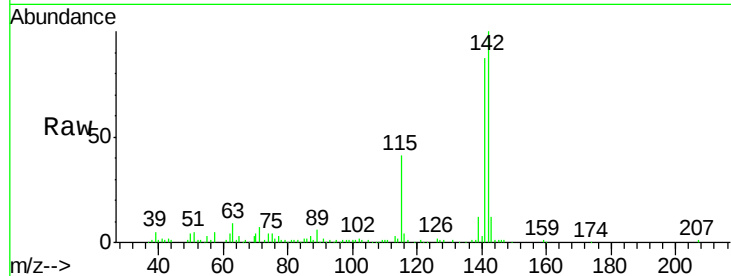




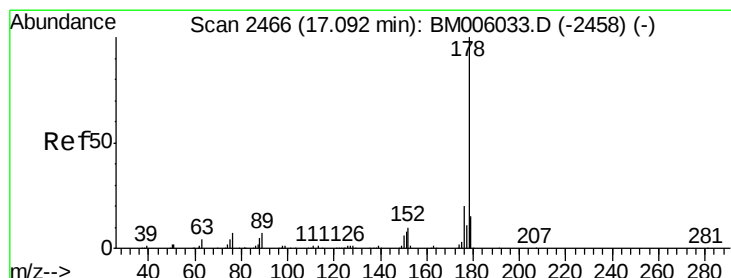
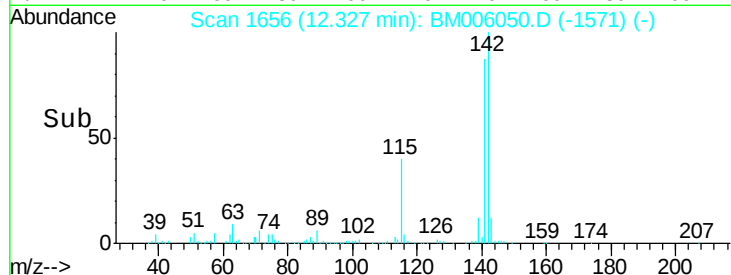
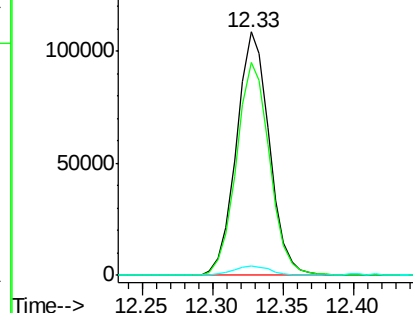
#14
1-Methylnaphthalene
Concen: 2.73 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006050.D
Acq: 26 Jun 2016 21:35

Instrument :
BNA_M
ClientSampleId :
D9Y98

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.3	108.5
116	3.7	3.4	5.0

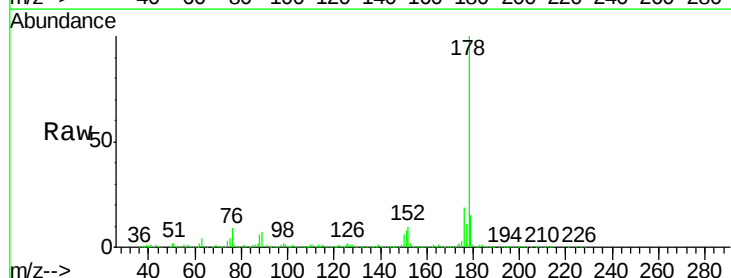


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

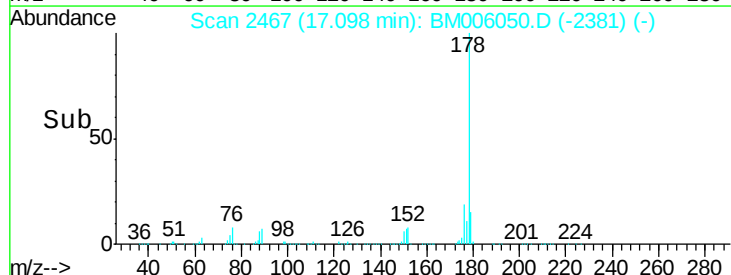
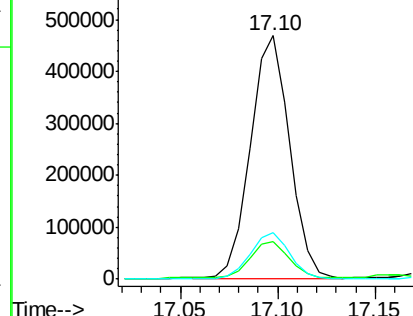


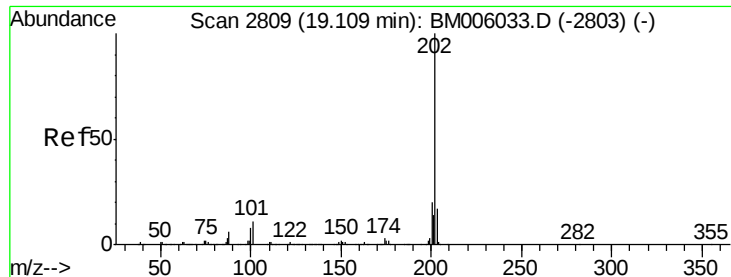
#25
Phenanthrene
Concen: 5.50 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BM006050.D
Acq: 26 Jun 2016 21:35

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	19.0	15.4	23.0



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





#28

Fluoranthene

Concen: 5.71 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

Instrument :

BNA_M

ClientSampleId :

D9Y98

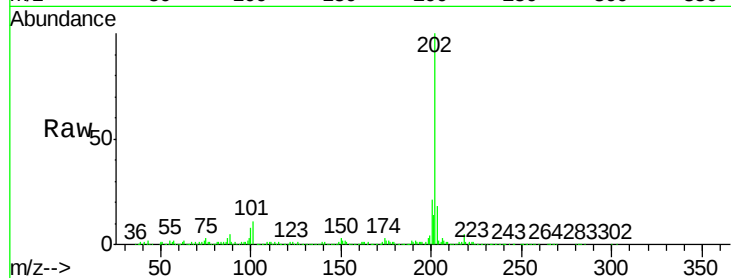
Tgt Ion:202 Resp: 863416

Ion Ratio Lower Upper

202 100

101 10.6 8.2 12.4

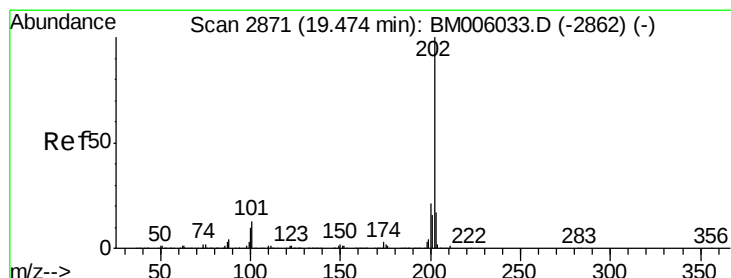
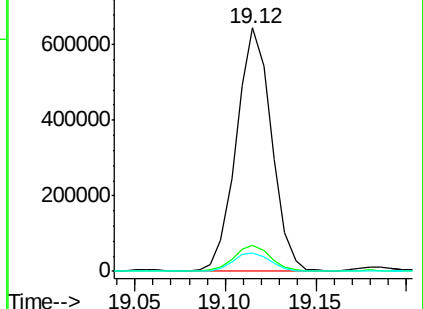
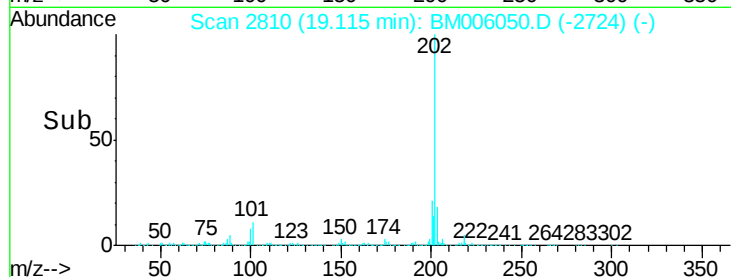
100 7.7 6.3 9.5



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



#31

Pyrene

Concen: 6.65 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

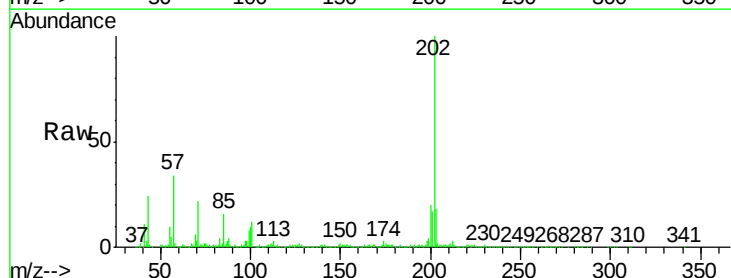
Tgt Ion:202 Resp: 741440

Ion Ratio Lower Upper

202 100

101 11.6 9.8 14.6

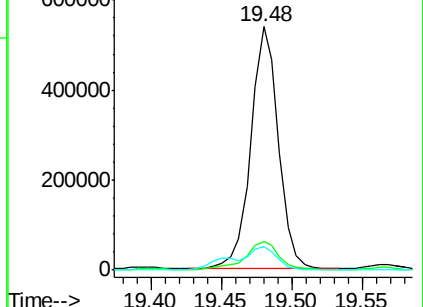
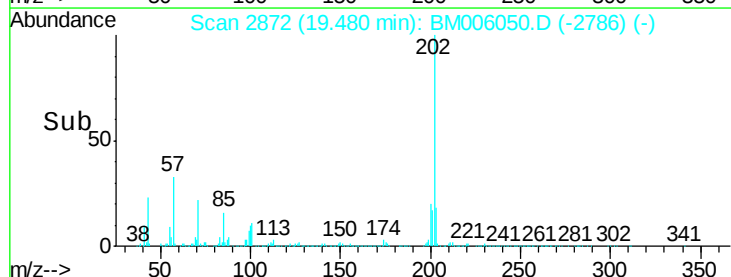
100 9.6 8.2 12.2

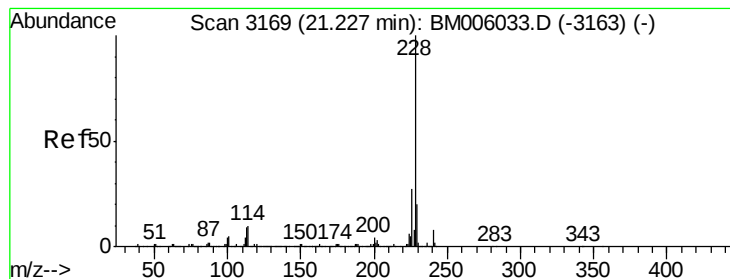


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 3.73 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

Instrument :

BNA_M

ClientSampleId :

D9Y98

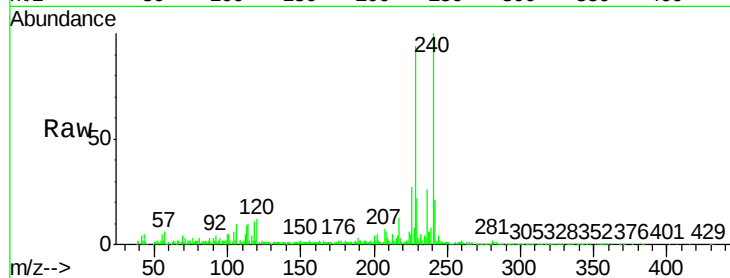
Tgt Ion:228 Resp: 431737

Ion Ratio Lower Upper

228 100

229 23.2 15.8 23.6

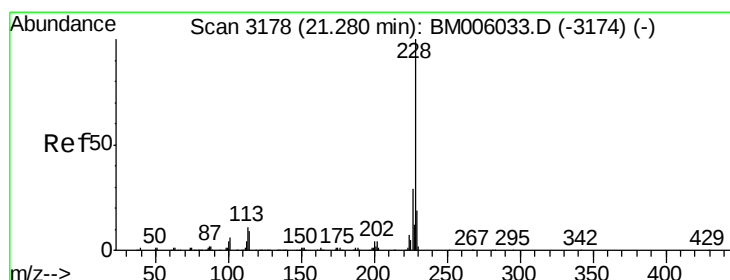
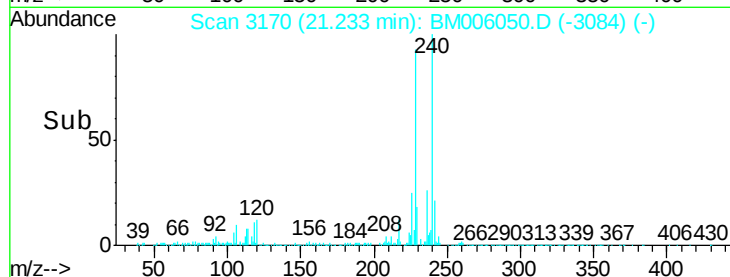
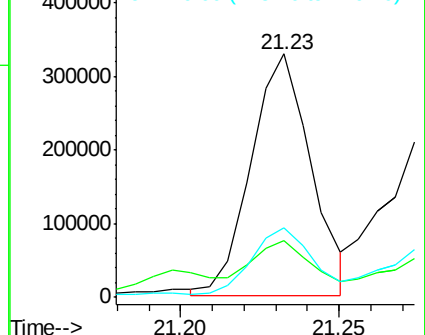
226 28.5 21.5 32.3



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



#33

Chrysene

Concen: 4.97 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

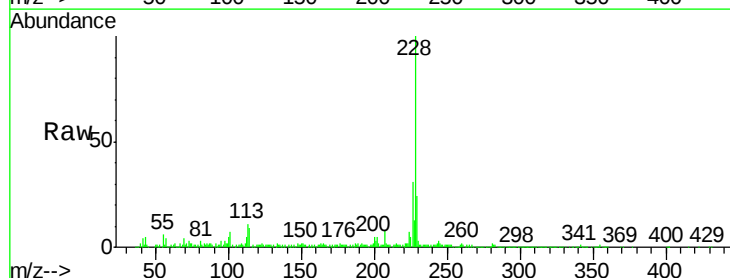
Tgt Ion:228 Resp: 525274

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

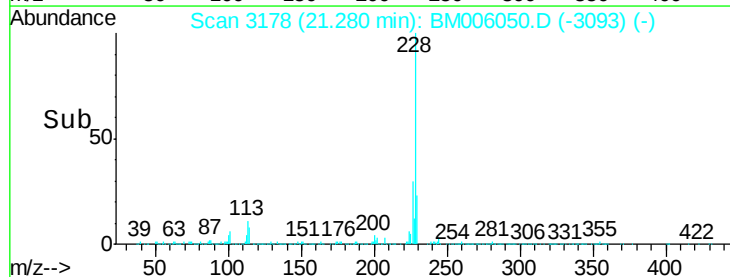
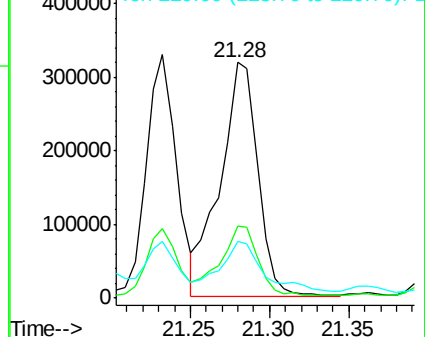
229 24.3 15.4 23.2#

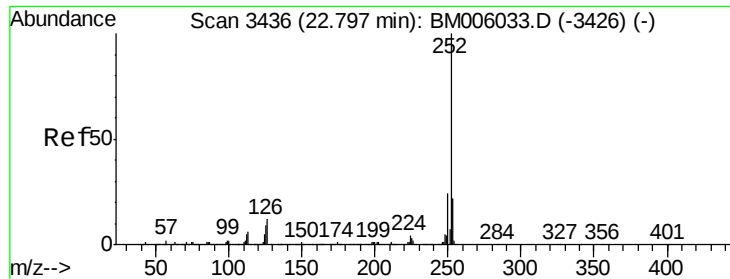


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 5.98 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

Instrument :

BNA_M

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D9Y98

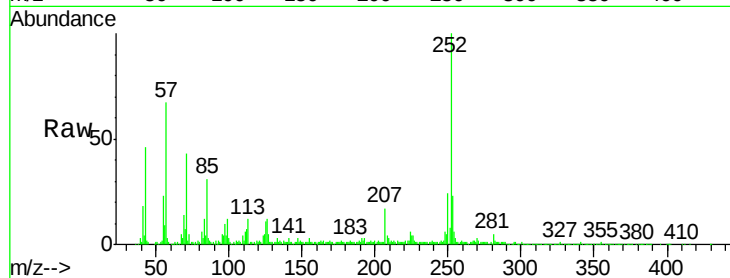
Tgt Ion:252 Resp: 562285

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

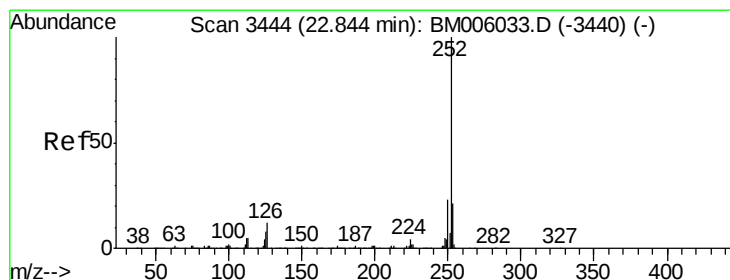
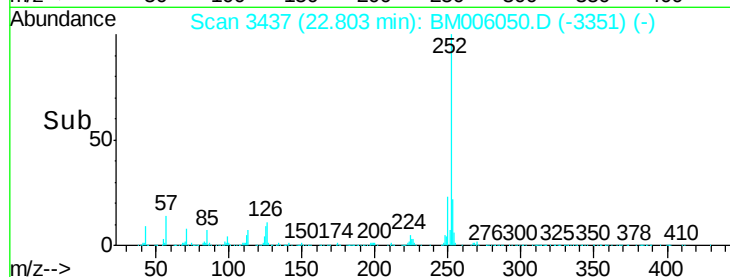
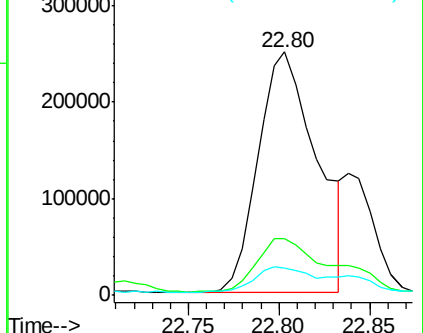
125 11.3 6.8 10.2#



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



#36

Benzo(k)fluoranthene

Concen: 6.43 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

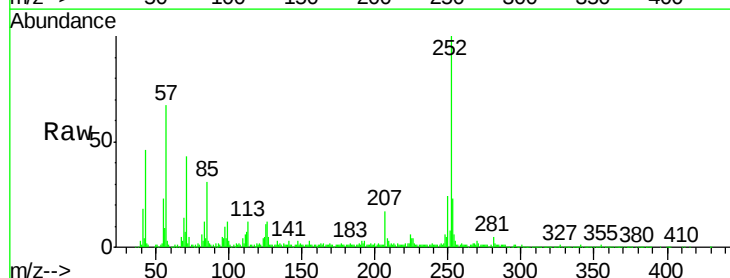
Tgt Ion:252 Resp: 562285

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

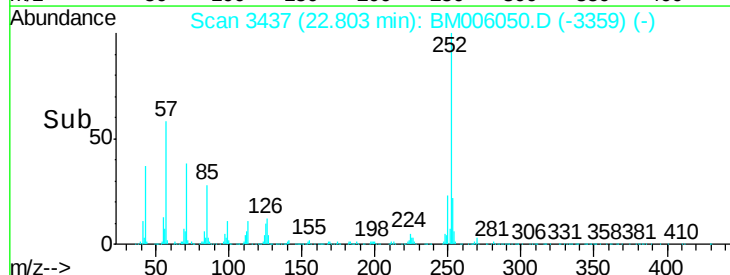
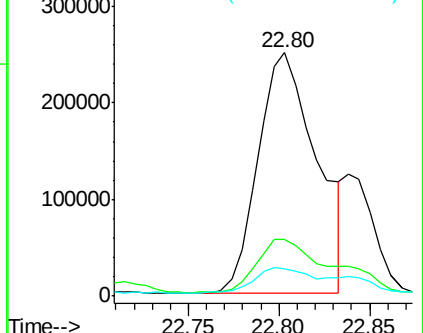
125 11.3 7.0 10.4#

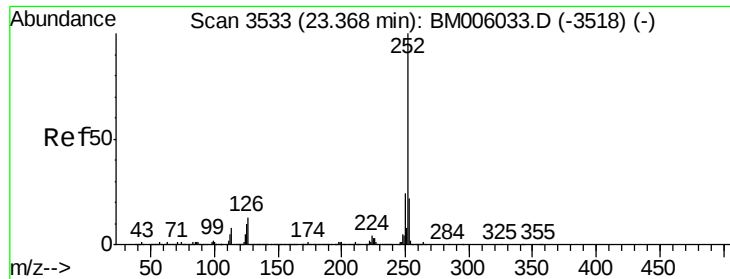


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 3.66 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BM006050.D

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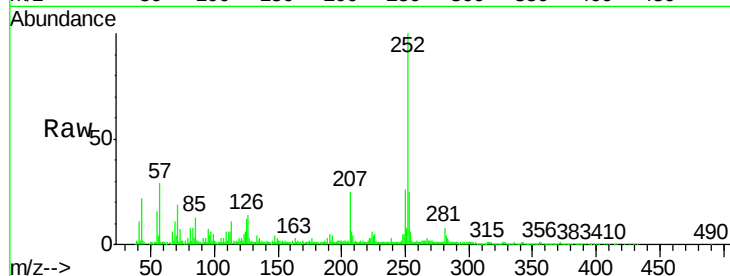
Tgt Ion:252 Resp: 329834

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

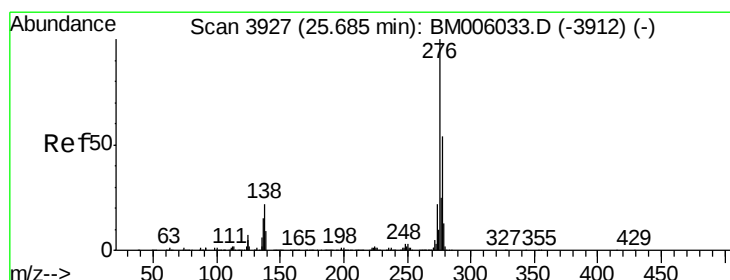
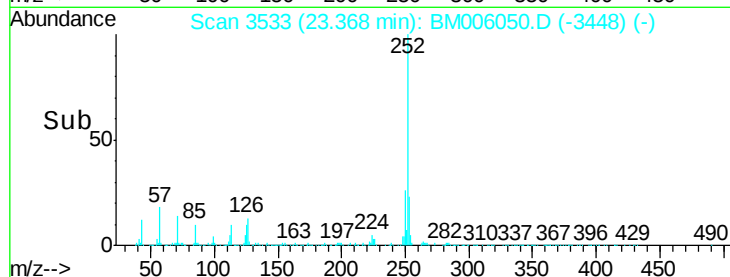
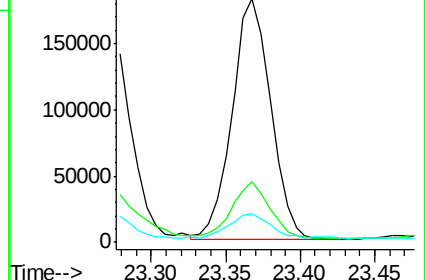
125 11.5 7.8 11.6



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: 2.17 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006050.D

Acq: 26 Jun 2016 21:35

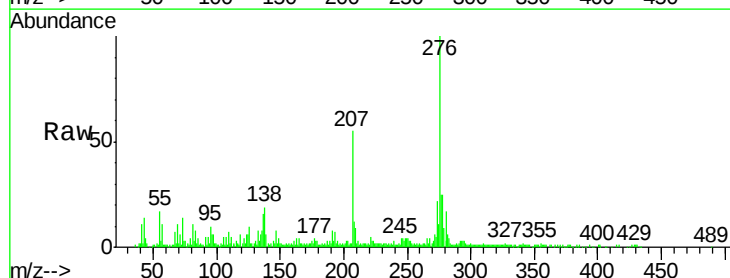
Tgt Ion:276 Resp: 233199

Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

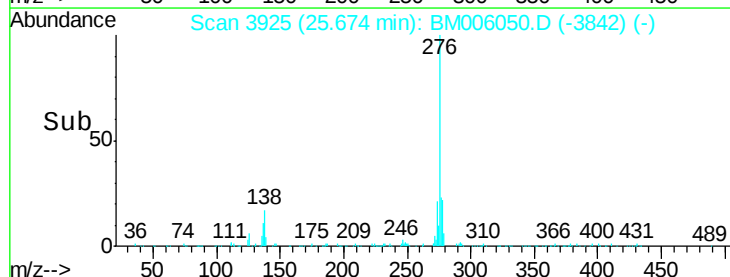
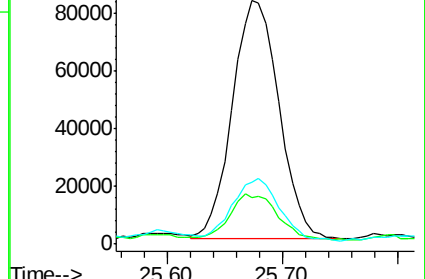
277 25.2 19.6 29.4

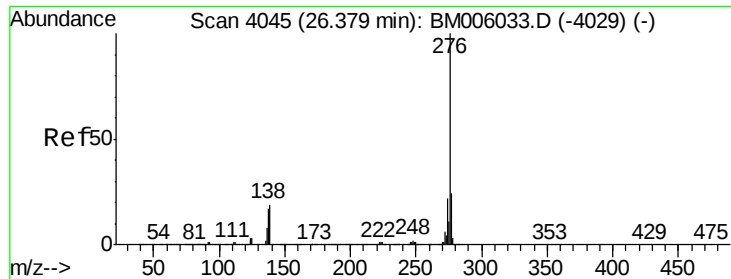


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 2.50 ng/ul

RT: 26.36 min Scan# 4041

Delta R.T. -0.02 min

Lab File: BM006050.D

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D9Y98

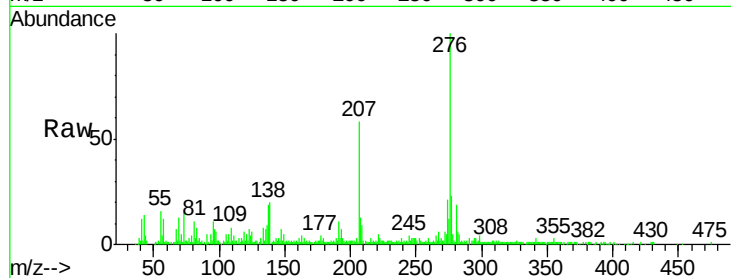
Tgt Ion: 276 Resp: 232252

Ion Ratio Lower Upper

276 100

138 19.9 15.9 23.9

277 23.3 19.2 28.8



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

