

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006182.D
 Acq On : 01 Jul 2016 14:50
 Operator : UM/SJ
 Sample : H3777-16MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MSD

Quant Time: Jul 01 17:32:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	384233	20.00	ng/ul	0.01
7) Naphthalene-d8	10.45	136	1717382	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	964597	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	1992974	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1461475	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1518883	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	8170	0.99	ng/uL	0.00
3) Phenol-d5	6.85	99	459516	14.64	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	289072	15.62	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	366847	15.23	ng/ul	0.01
6) 4-Methylphenol-d8	8.38	113	340614	13.48	ng/ul	0.02
8) Nitrobenzene-d5	8.82	128	193030	16.69	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	214080	16.17	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	375983	15.56	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	241328	12.64	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	1118626	16.18	ng/ul	0.01
17) Acenaphthylene-d8	14.01	160	1435948	17.11	ng/ul	0.02
20) 4-Nitrophenol-d4	14.55	143	151944	11.58	ng/ul	0.04
21) Fluorene-d10	15.32	176	972292	16.48	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.46	200	97575	13.82	ng/ul	0.03
26) Anthracene-d10	17.17	188	1408908	17.62	ng/ul	0.02
30) Pyrene-d10	19.47	212	1274895	21.66	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1058281	17.51	ng/ul	0.04

Target Compounds

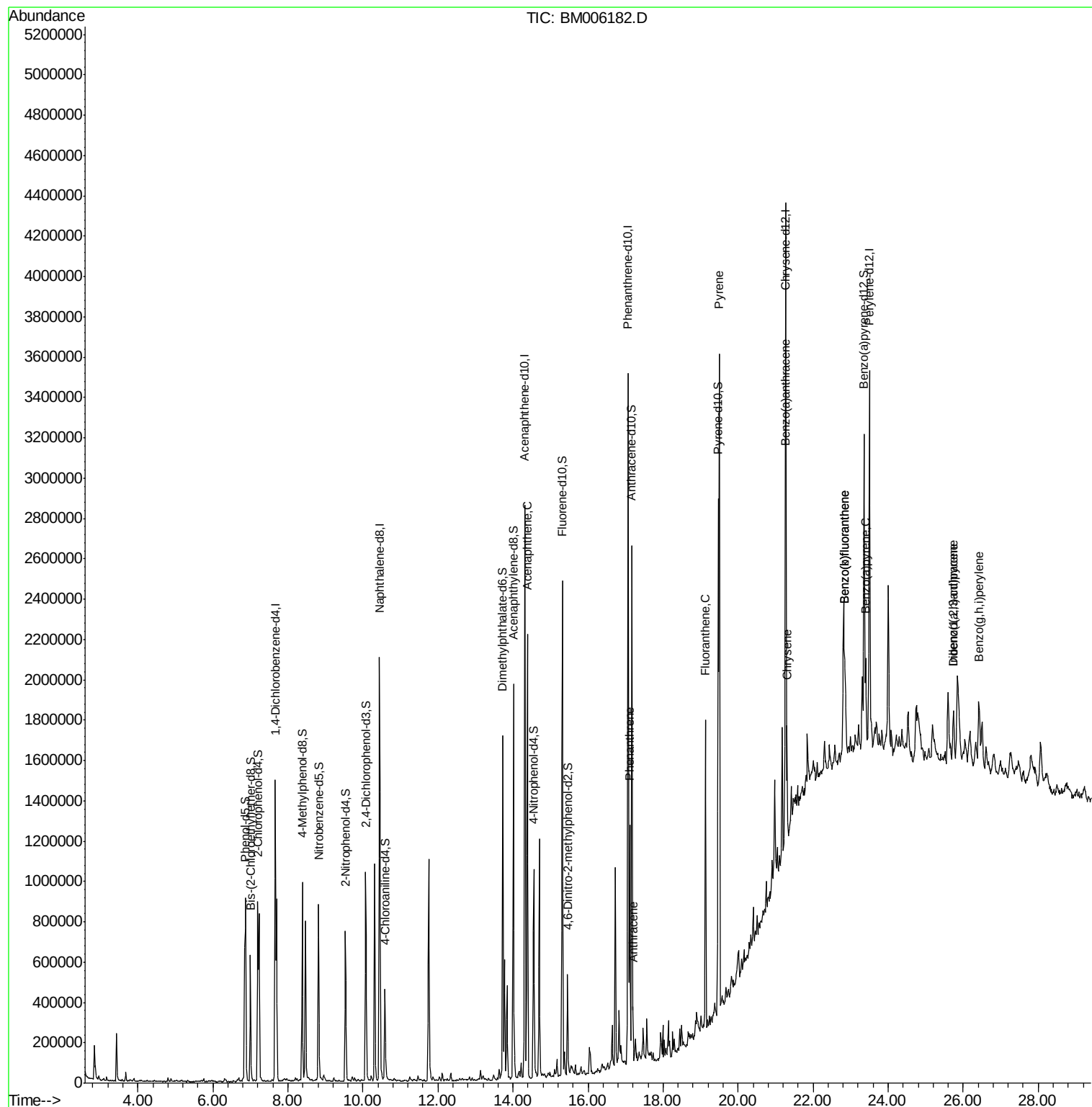
						Qvalue
19) Acenaphthene	14.38	153	861770	15.37	ng/ul	99
25) Phenanthrene	17.11	178	673216	7.14	ng/ul	99
27) Anthracene	17.20	178	142066	1.47	ng/ul	96
28) Fluoranthene	19.13	202	889455	7.70	ng/ul	99
31) Pyrene	19.50	202	2015776	26.15	ng/ul	97
32) Benzo(a)anthracene	21.25	228	321956	4.24	ng/ul	96
33) Chrysene	21.30	228	320399	4.58	ng/ul	96
35) Benzo(b)fluoranthene	22.83	252	439760	5.58	ng/ul	94
36) Benzo(k)fluoranthene	22.83	252	439760	5.95	ng/ul	95
38) Benzo(a)pyrene	23.40	252	281523	3.78	ng/ul	95
39) Indeno(1,2,3-cd)pyrene	25.74	276	222063	2.87	ng/ul	95
40) Dibenzo(a,h)anthracene	25.74	278	65590	1.02	ng/ul#	70
41) Benzo(g,h,i)perylene	26.44	276	277865	4.29	ng/ul	96

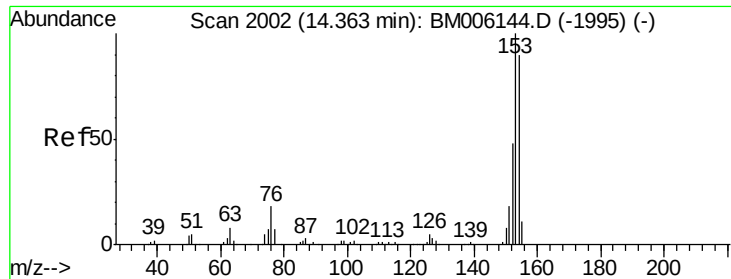
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

Acenaphthene

Concen: 15.37 ng/ul

RT: 14.38 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

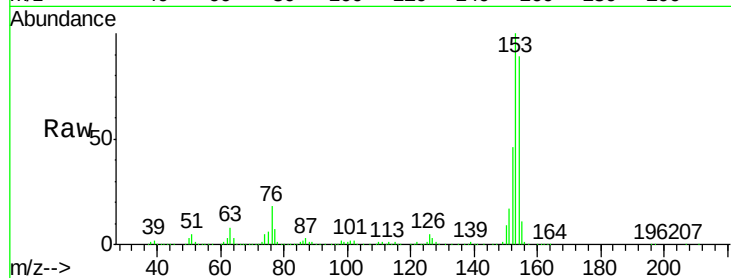
Tgt Ion:153 Resp: 861770

Ion Ratio Lower Upper

153 100

152 46.1 38.1 57.1

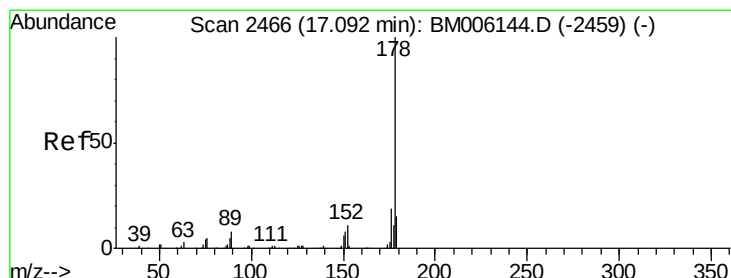
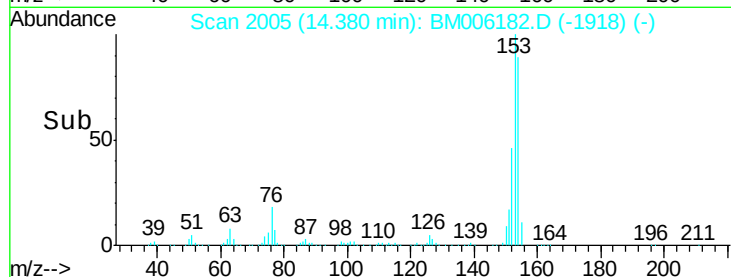
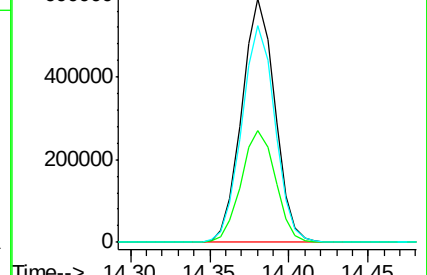
154 89.2 71.6 107.4



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



#25

Phenanthrene

Concen: 7.14 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

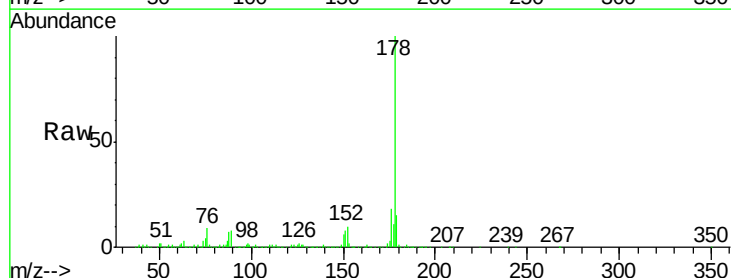
Tgt Ion:178 Resp: 673216

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

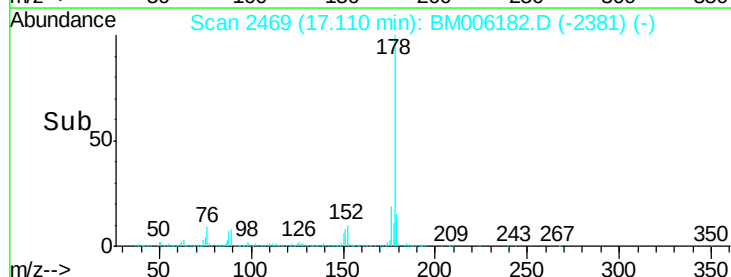
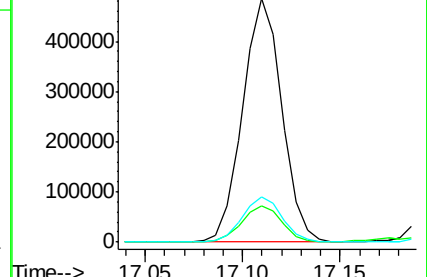
176 18.5 15.3 22.9

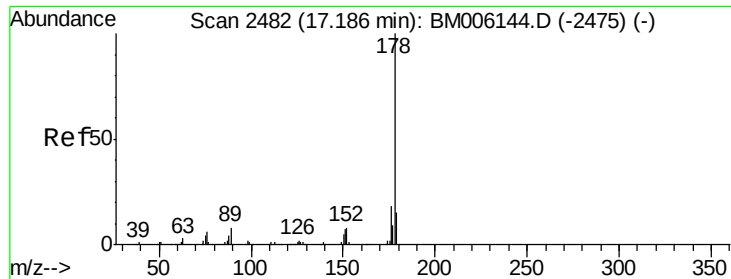


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

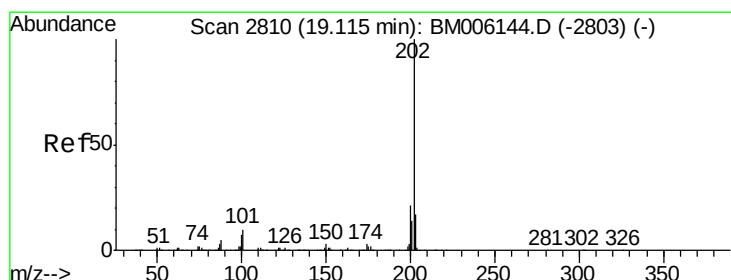
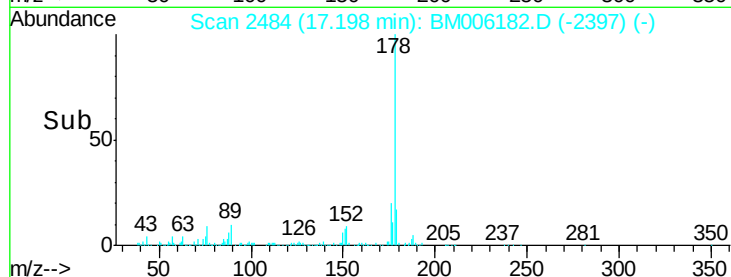
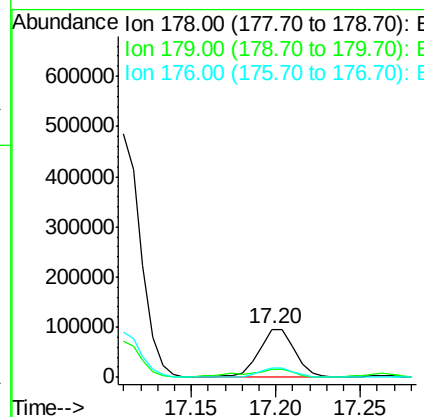
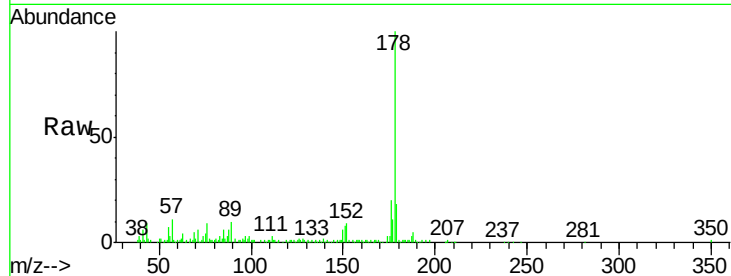




#27
 Anthracene
 Concen: 1.47 ng/ul
 RT: 17.20 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BM006182.D
 Acq: 01 Jul 2016 14:50

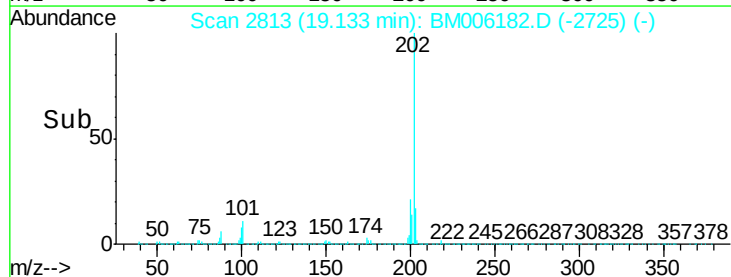
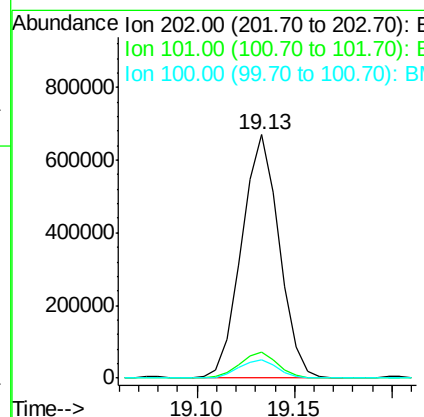
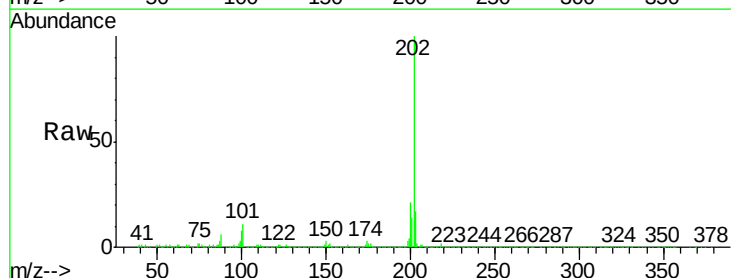
Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MSD

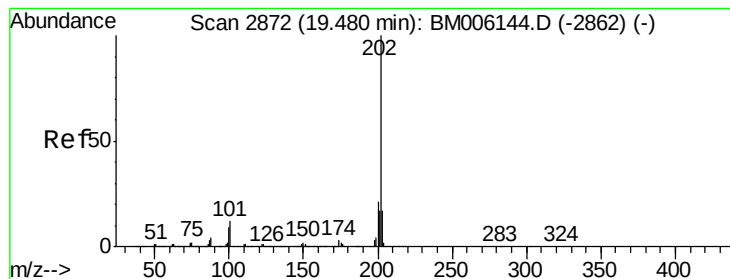
Tgt Ion:178 Resp: 142066
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.3 18.5
 176 19.9 14.6 22.0



#28
 Fluoranthene
 Concen: 7.70 ng/ul
 RT: 19.13 min Scan# 2813
 Delta R.T. 0.02 min
 Lab File: BM006182.D
 Acq: 01 Jul 2016 14:50

Tgt Ion:202 Resp: 889455
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.5 12.7
 100 7.7 6.5 9.7





#31

Pyrene

Concen: 26.15 ng/ul

RT: 19.50 min Scan# 2875

Delta R.T. 0.02 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

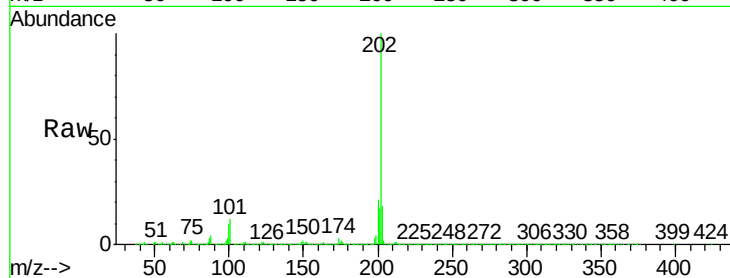
Tgt Ion:202 Resp: 2015776

Ion Ratio Lower Upper

202 100

101 12.4 11.0 16.4

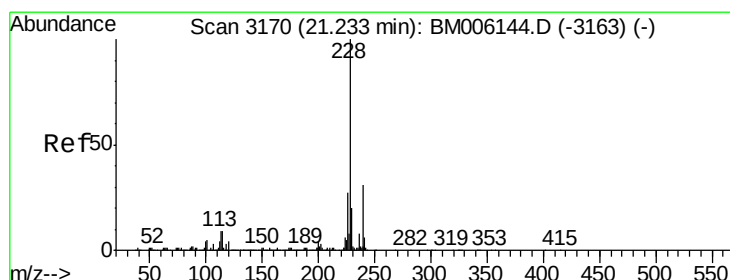
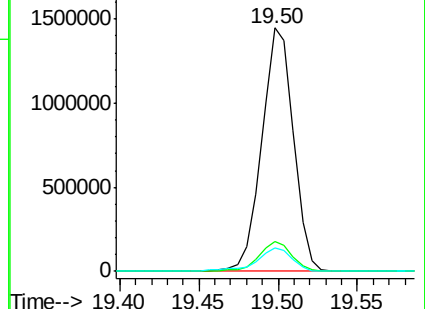
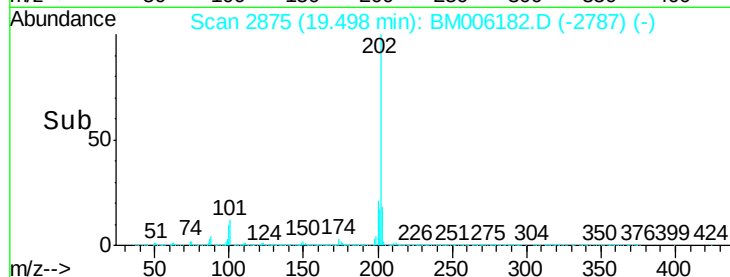
100 9.7 8.9 13.3



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): E



#32

Benzo(a)anthracene

Concen: 4.24 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

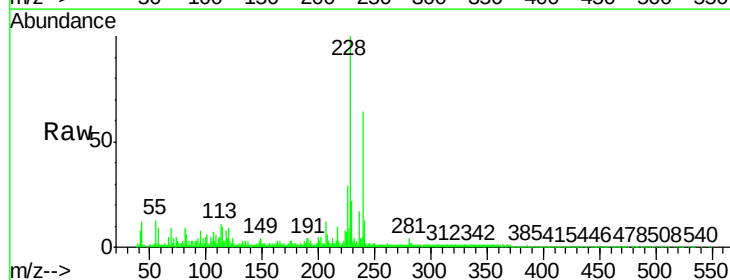
Tgt Ion:228 Resp: 321956

Ion Ratio Lower Upper

228 100

229 22.2 15.6 23.4

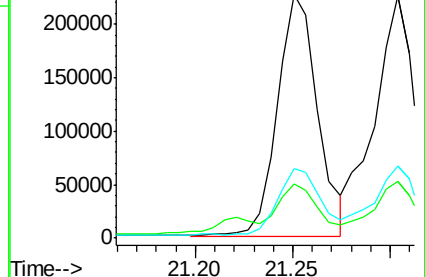
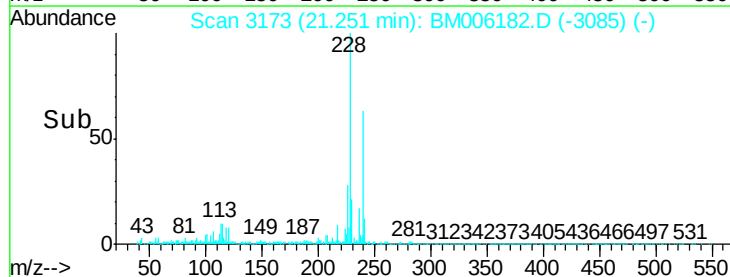
226 28.7 21.6 32.4

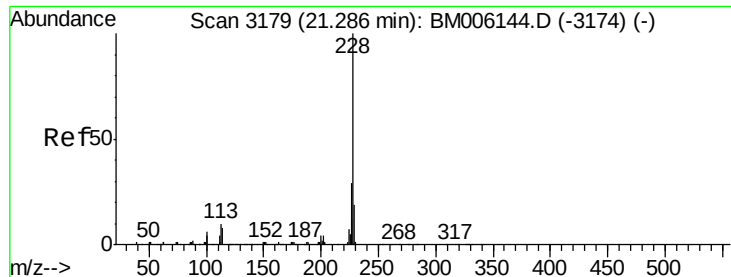


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.58 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

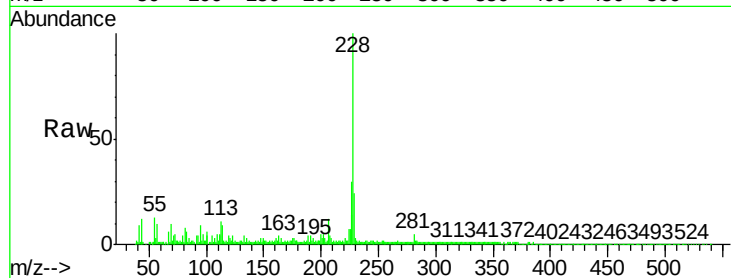
Tgt Ion:228 Resp: 320399

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

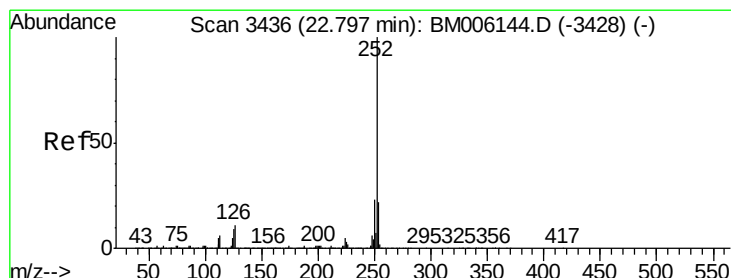
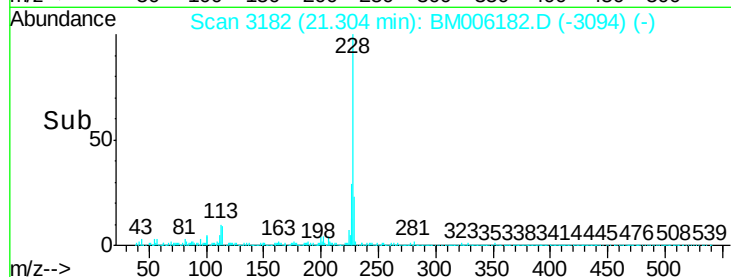
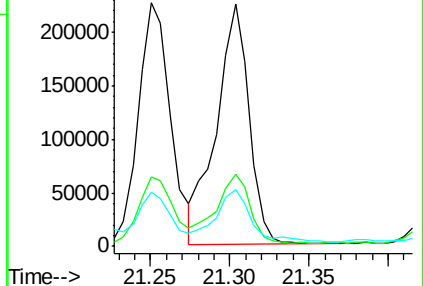
229 23.6 15.8 23.6



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: 5.58 ng/ul

RT: 22.83 min Scan# 3442

Delta R.T. 0.04 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

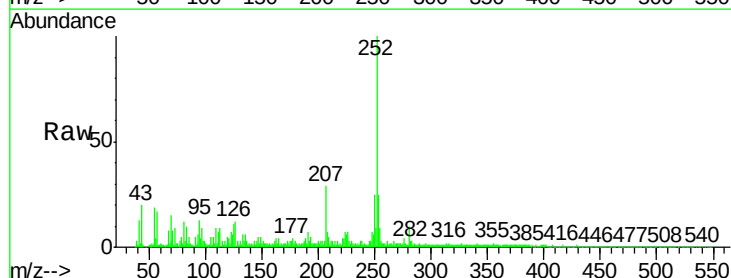
Tgt Ion:252 Resp: 439760

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

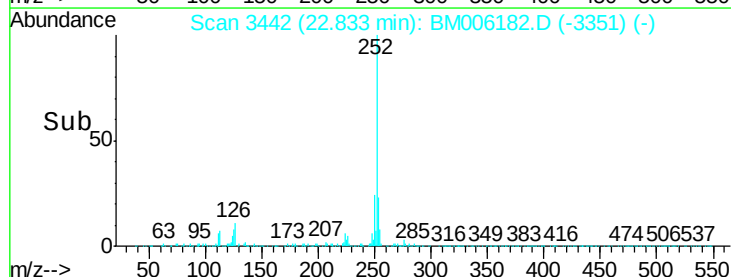
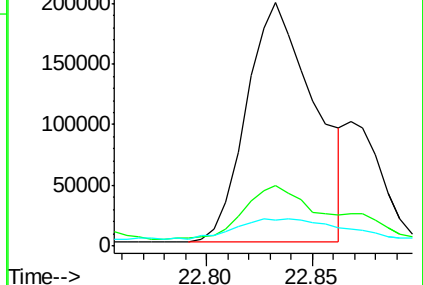
125 10.8 7.8 11.6

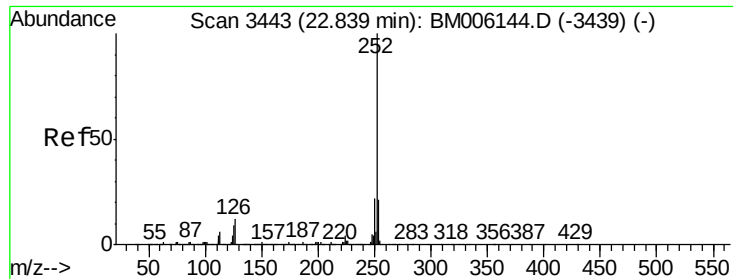


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 5.95 ng/ul

RT: 22.83 min Scan# 3442

Delta R.T. -0.01 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

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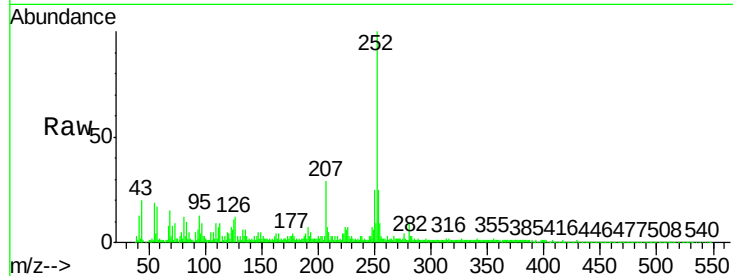
Tgt Ion:252 Resp: 439760

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

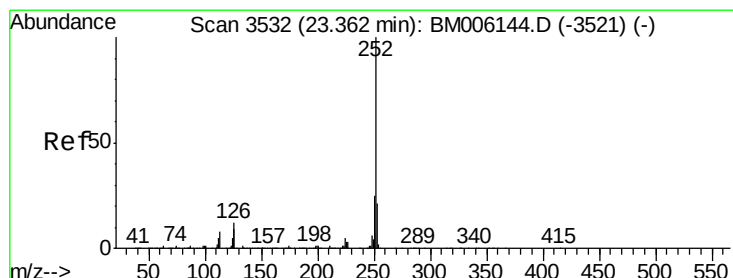
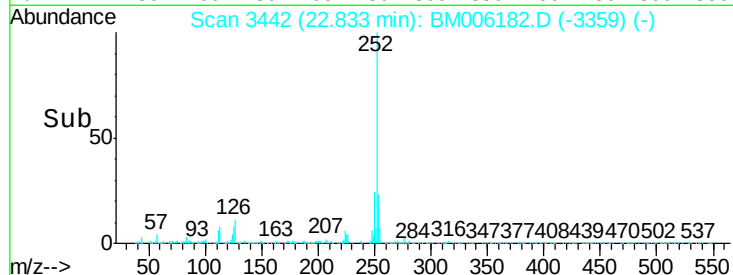
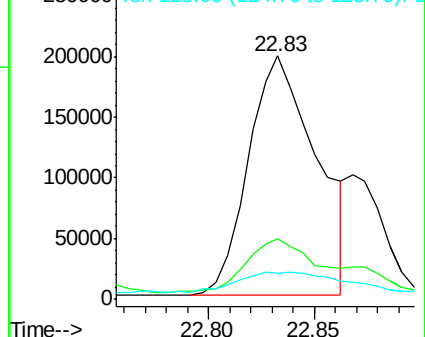
125 10.8 8.1 12.1



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: 3.78 ng/ul

RT: 23.40 min Scan# 3539

Delta R.T. 0.04 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

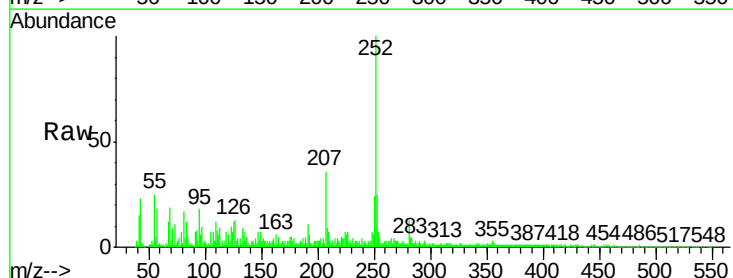
Tgt Ion:252 Resp: 281523

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

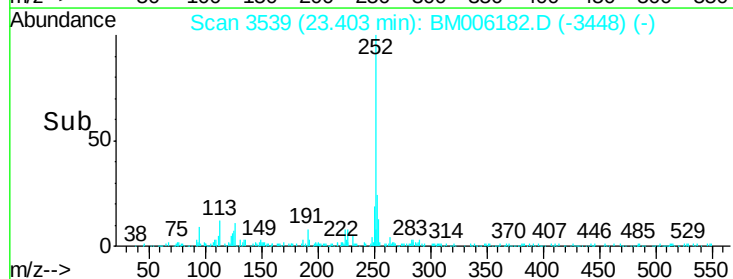
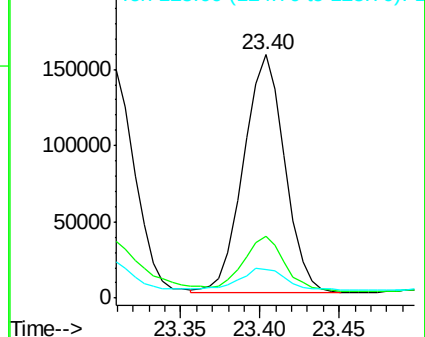
125 11.5 8.7 13.1

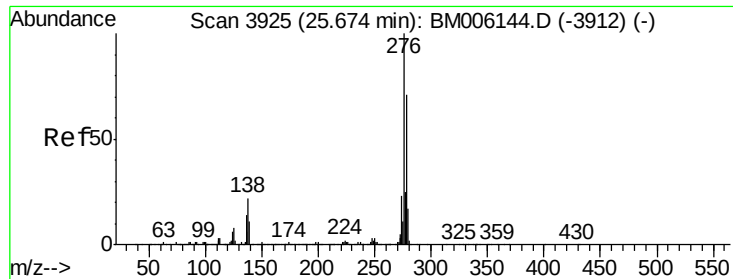


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.87 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.06 min

Lab File: BM006182.D

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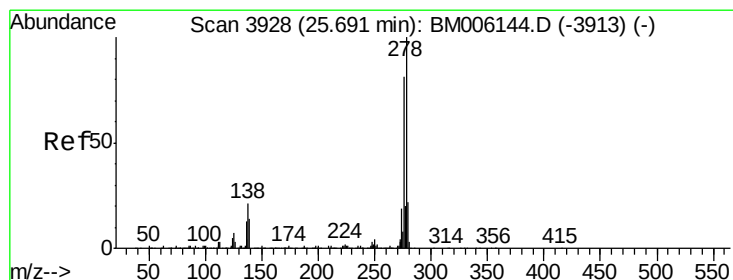
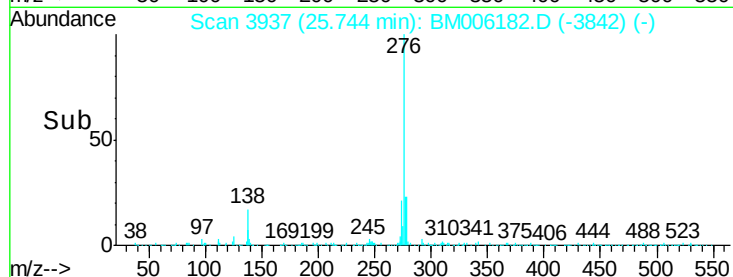
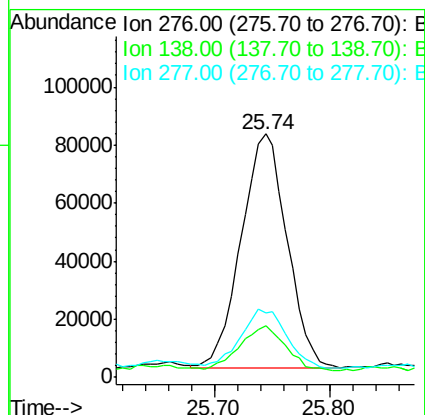
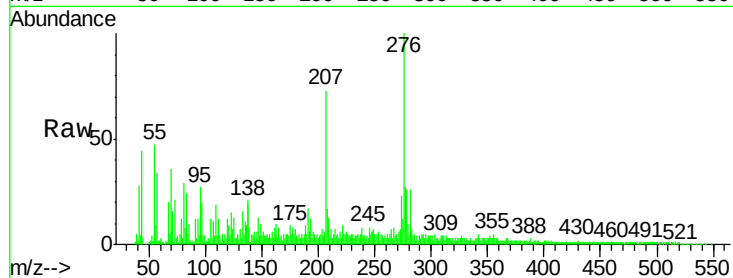
Tgt Ion:276 Resp: 222063

Ion Ratio Lower Upper

276 100

138 21.0 20.4 30.6

277 26.7 20.6 30.8



#40

Dibenzo(a,h)anthracene

Concen: 1.02 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.05 min

Lab File: BM006182.D

Acq: 01 Jul 2016 14:50

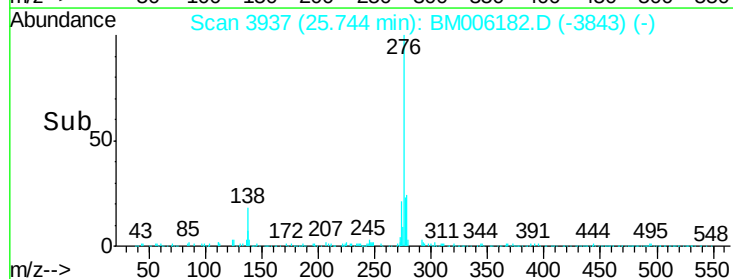
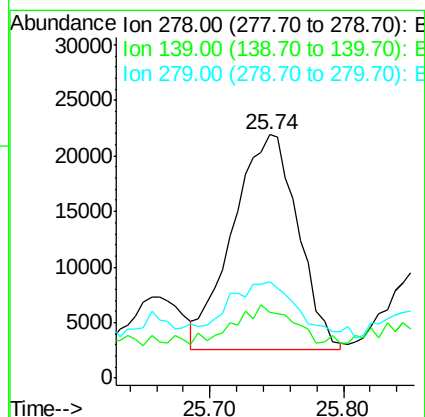
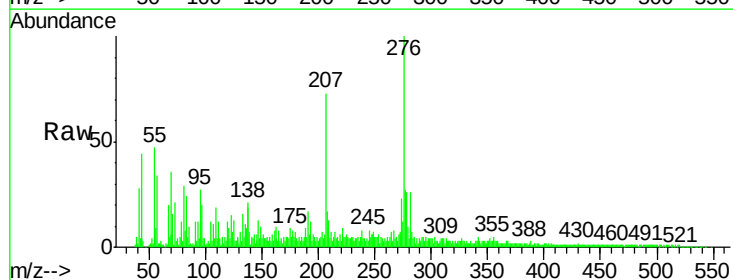
Tgt Ion:278 Resp: 65590

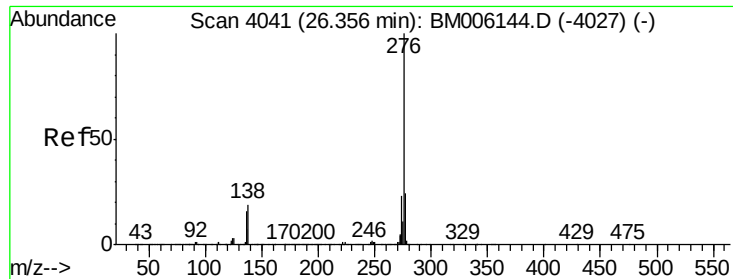
Ion Ratio Lower Upper

278 100

139 27.0 13.0 19.4#

279 39.4 18.8 28.2#





#41

Benzo(g,h,i)perylene

Concen: 4.29 ng/ul

RT: 26.44 min Scan# 4055

Delta R.T. 0.08 min

Lab File: BM006182.D

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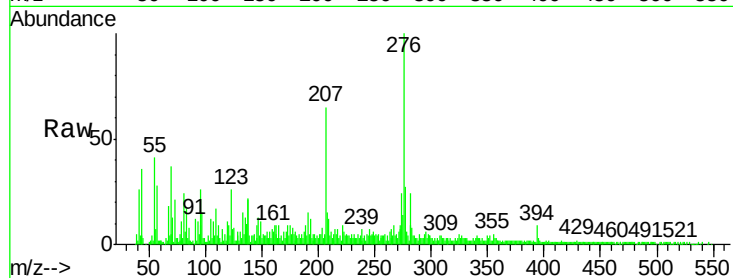
Tgt Ion: 276 Resp: 277865

Ion Ratio Lower Upper

276 100

138 20.5 16.6 25.0

277 27.3 18.9 28.3



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

