

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006970.D
 Acq On : 07 Aug 2016 11:06
 Operator : UM/SJ
 Sample : H4302-19
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0H2

Quant Time: Aug 08 03:55:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	217510	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1043087	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	698738	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1641968	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1584393	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1194556	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	10384	2.18	ng/uL	0.00
3) Phenol-d5	6.76	99	463372	22.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	340025	26.29	ng/ul	0.00
5) 2-Chlorophenol-d4	7.09	132	373268	25.35	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	377601	21.94	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	212518	27.43	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	229291	24.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.97	165	419750	23.86	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	509661	24.27	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1597296	25.98	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1935357	27.21	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	157377	17.64	ng/ul	0.00
21) Fluorene-d10	15.21	176	1401365	26.81	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	188490	27.80	ng/ul	0.00
26) Anthracene-d10	17.06	188	2250104	28.36	ng/ul	0.00
30) Pyrene-d10	19.37	212	2795591	37.02	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1805139	31.73	ng/ul	0.00

Target Compounds

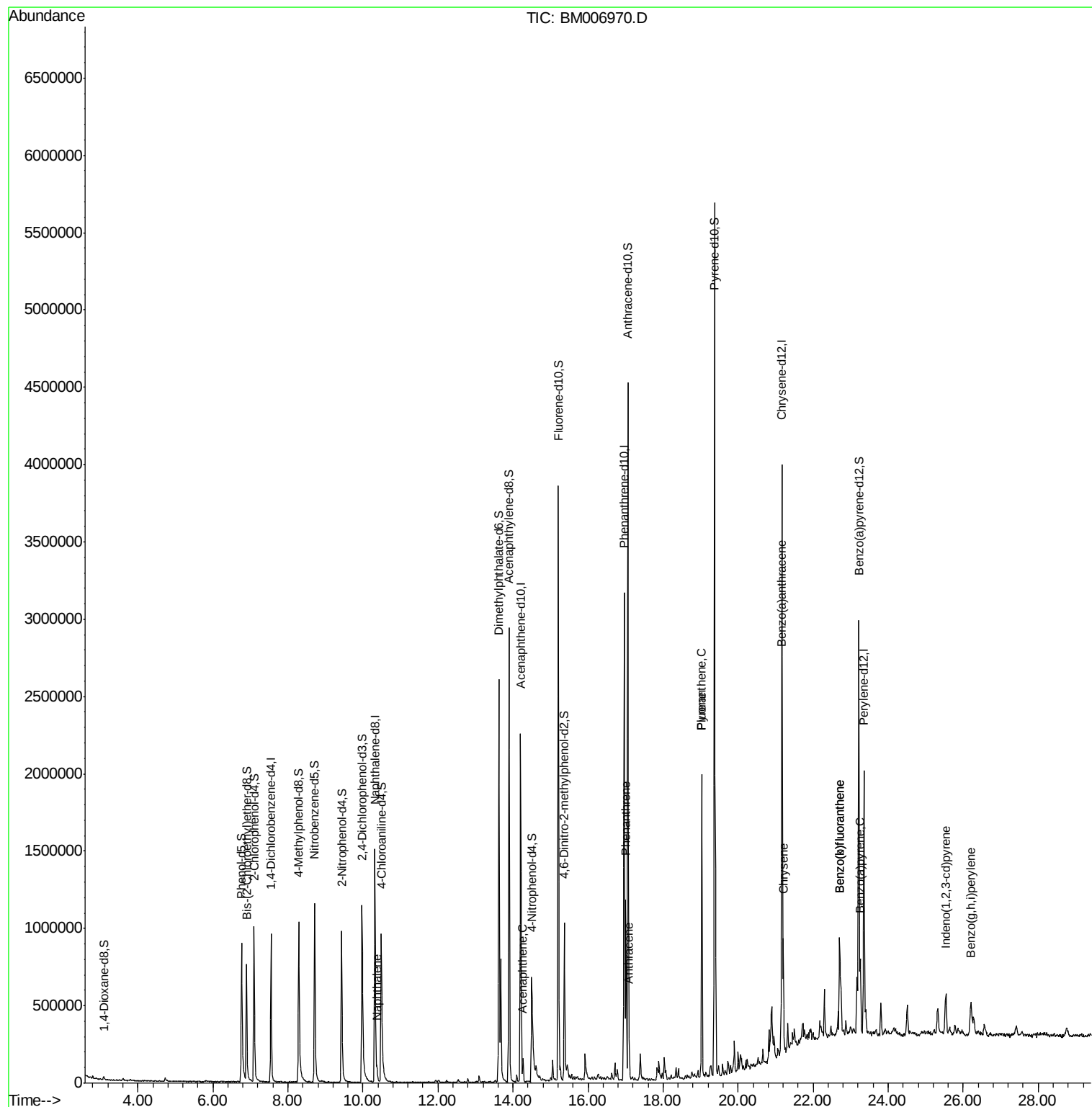
						Qvalue
11) Naphthalene	10.37	128	55551	1.04	ng/ul	97
19) Acenaphthene	14.27	153	58941	1.21	ng/ul	99
25) Phenanthrene	17.00	178	647669	7.05	ng/ul	99
27) Anthracene	17.10	178	122748	1.28	ng/ul	95
28) Fluoranthene	19.03	202	1106778	9.91	ng/ul	98
31) Pyrene	19.03	202	1106778	11.24	ng/ul	99
32) Benzo(a)anthracene	21.16	228	468061	4.98	ng/ul	97
33) Chrysene	21.21	228	396256	4.79	ng/ul	97
35) Benzo(b)fluoranthene	22.71	252	503604	6.46	ng/ul	98
36) Benzo(k)fluoranthene	22.71	252	503604	6.69	ng/ul	97
38) Benzo(a)pyrene	23.26	252	343335	4.86	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.53	276	255370	3.56	ng/ul	97
41) Benzo(g,h,i)perylene	26.20	276	254855	4.51	ng/ul	98

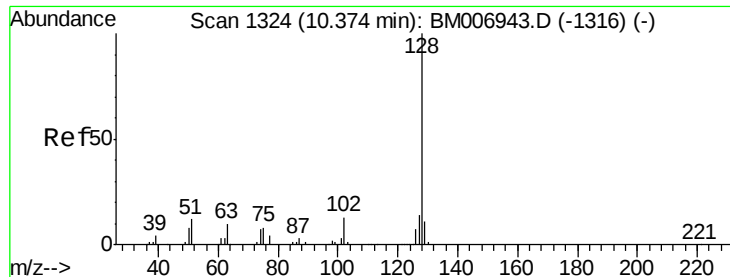
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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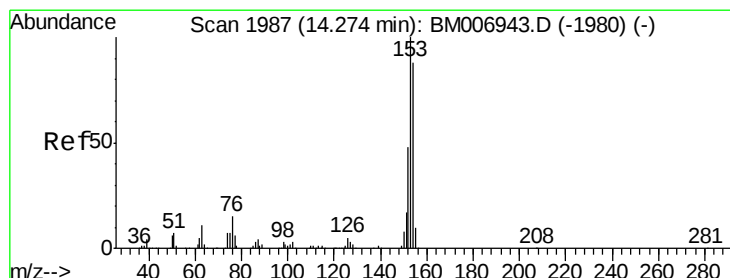
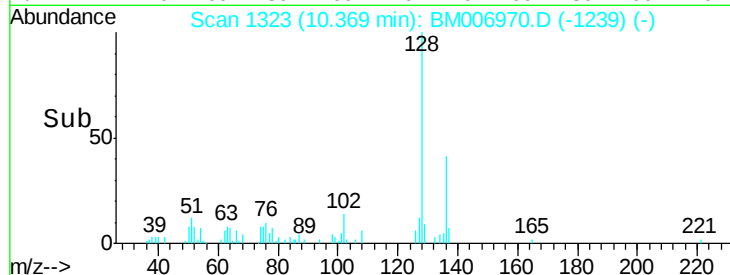
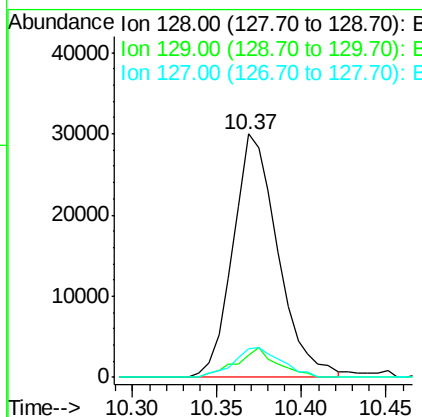
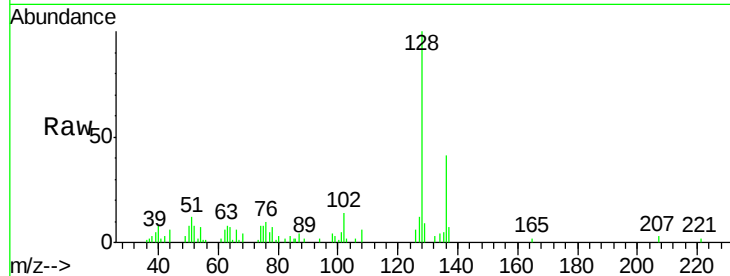




#11
Naphthalene
Concen: 1.04 ng/ul
RT: 10.37 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

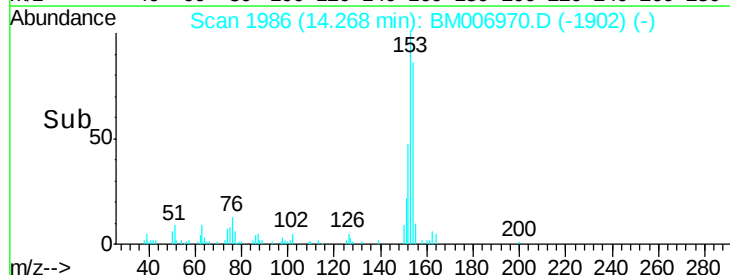
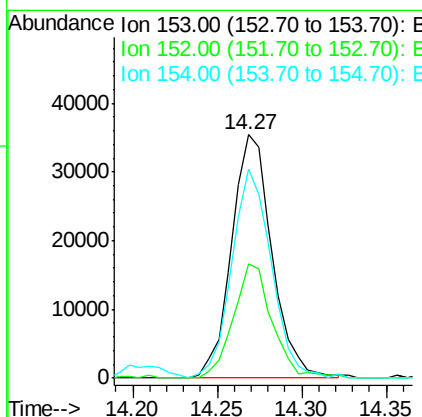
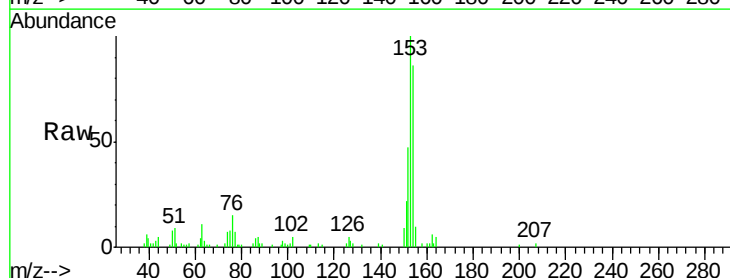
Instrument :
BNA_M
ClientSampleId :
DA0H2

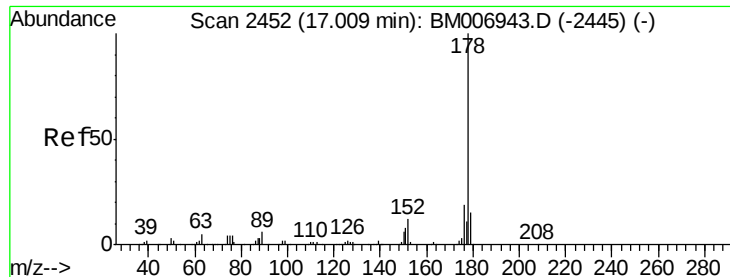
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.1	8.6	13.0
127	11.9	9.8	14.8



#19
Acenaphthene
Concen: 1.21 ng/ul
RT: 14.27 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BM006970.D
Acq: 07 Aug 2016 11:06

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.0	55.6
154	86.0	69.3	103.9





#25

Phenanthrene

Concen: 7.05 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

Instrument :

BNA_M

ClientSampleId :

DA0H2

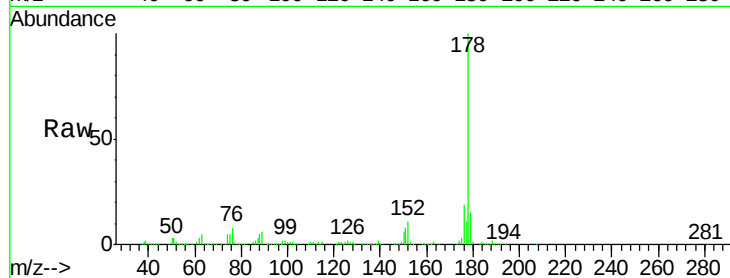
Tgt Ion:178 Resp: 647669

Ion Ratio Lower Upper

178 100

179 14.7 12.0 18.0

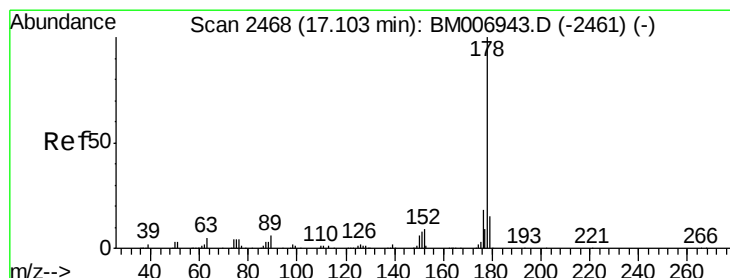
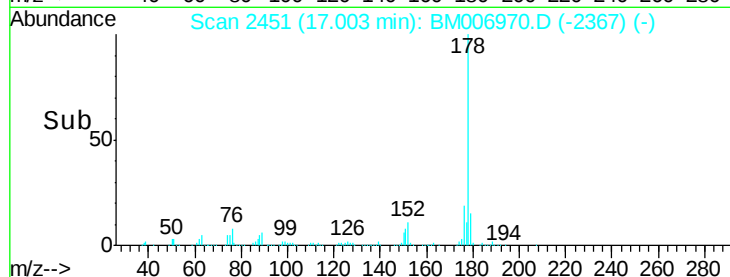
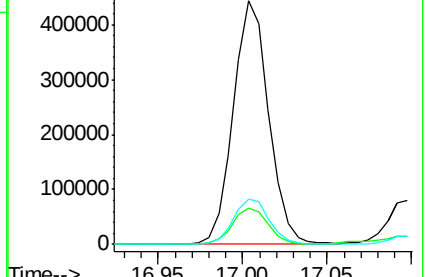
176 18.5 15.0 22.4



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



#27

Anthracene

Concen: 1.28 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

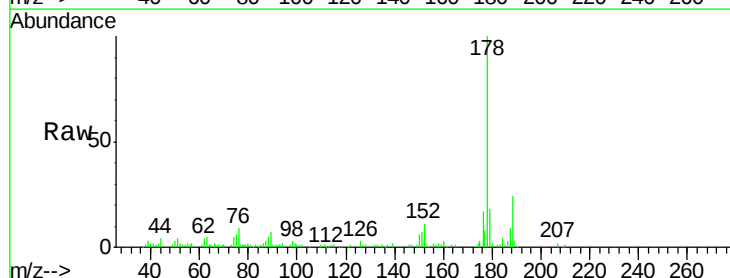
Tgt Ion:178 Resp: 122748

Ion Ratio Lower Upper

178 100

179 18.2 12.5 18.7

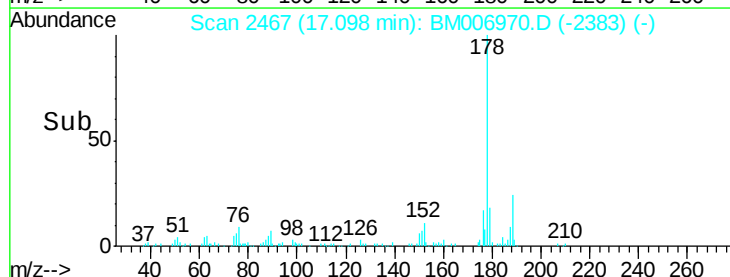
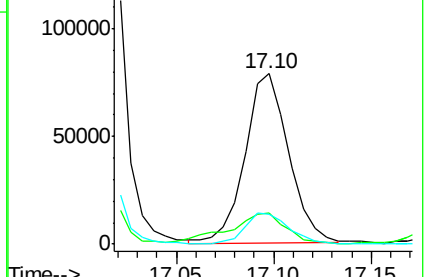
176 17.4 15.4 23.0

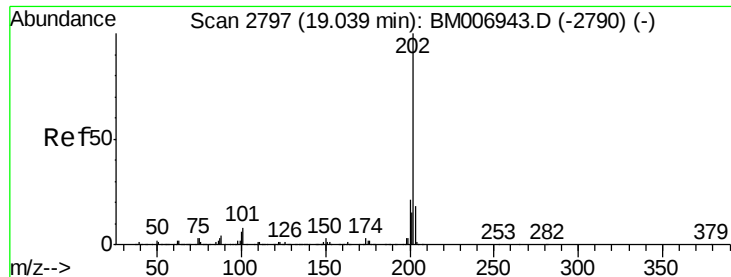


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

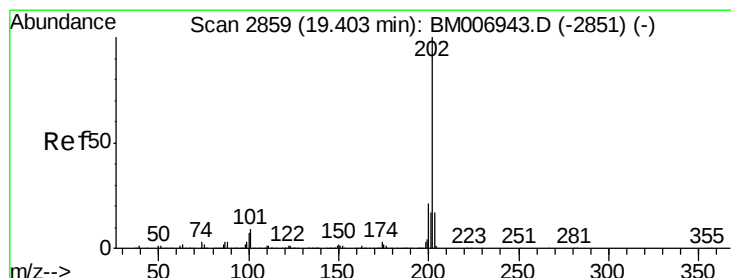
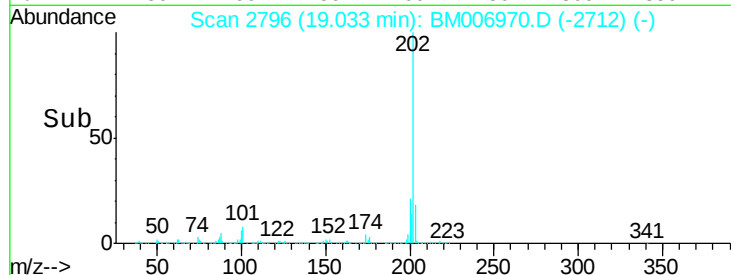
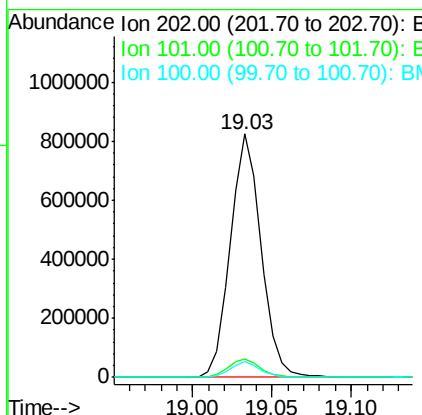
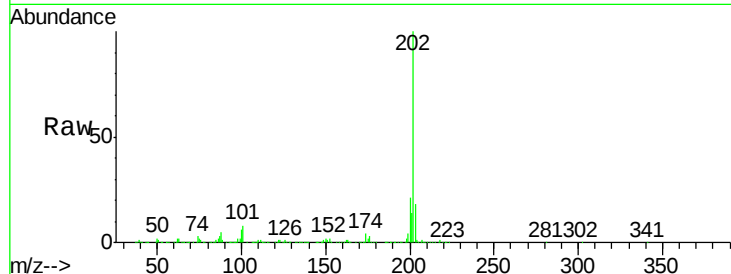




#28
Fluoranthene
 Concen: 9.91 ng/ul
 RT: 19.03 min Scan# 2796
 Delta R.T. -0.01 min
 Lab File: BM006970.D
 Acq: 07 Aug 2016 11:06

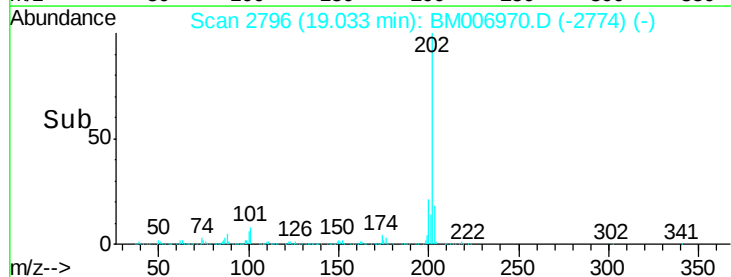
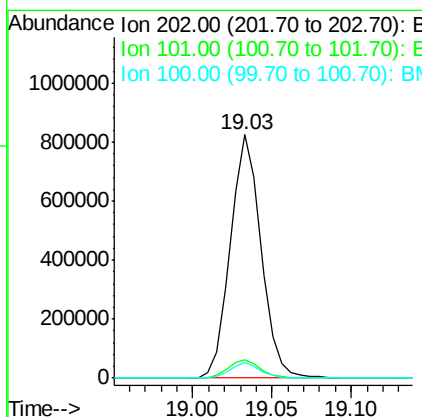
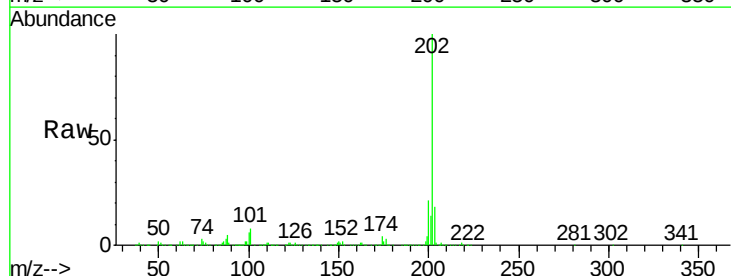
Instrument :
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 ClientSampleId :
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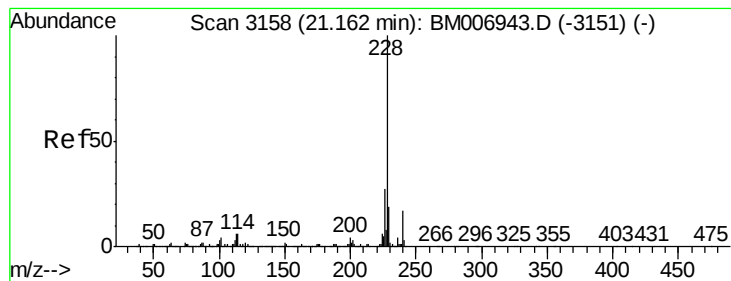
Tgt Ion:202 Resp: 1106778
 Ion Ratio Lower Upper
 202 100
 101 7.6 5.6 8.4
 100 6.3 4.2 6.4



#31
Pyrene
 Concen: 11.24 ng/ul
 RT: 19.03 min Scan# 2796
 Delta R.T. -0.37 min
 Lab File: BM006970.D
 Acq: 07 Aug 2016 11:06

Tgt Ion:202 Resp: 1106778
 Ion Ratio Lower Upper
 202 100
 101 7.6 6.4 9.6
 100 6.3 5.4 8.2





#32

Benzo(a)anthracene

Concen: 4.98 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

Instrument :

BNA_M

ClientSampleId :

DA0H2

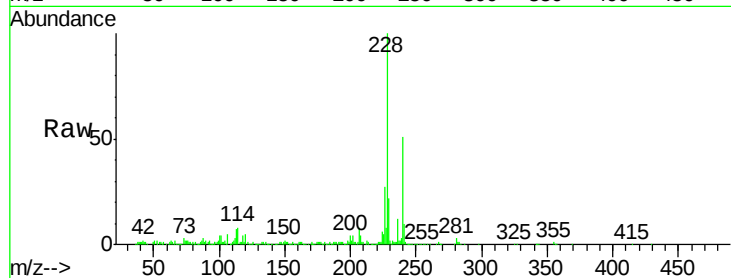
Tgt Ion:228 Resp: 468061

Ion Ratio Lower Upper

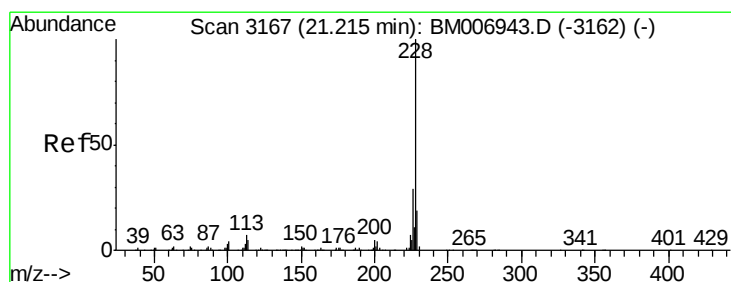
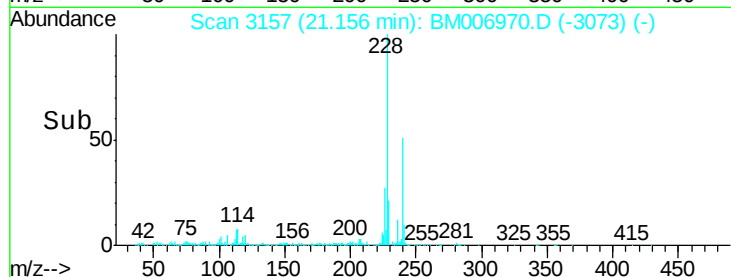
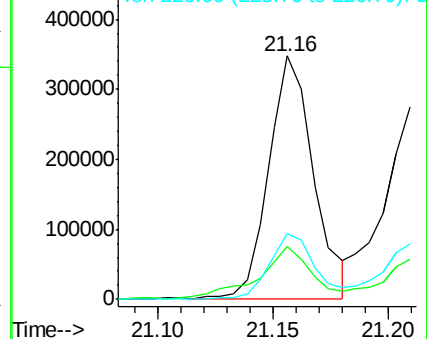
228 100

229 21.8 15.2 22.8

226 27.0 21.3 31.9



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: 4.79 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

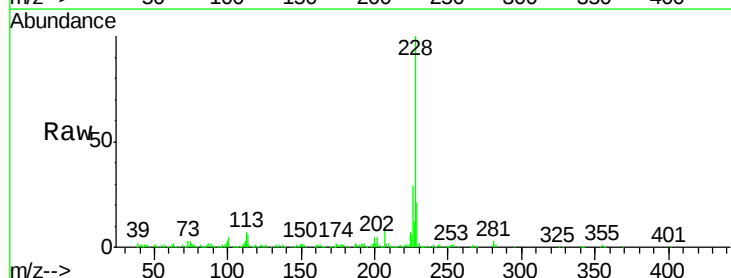
Tgt Ion:228 Resp: 396256

Ion Ratio Lower Upper

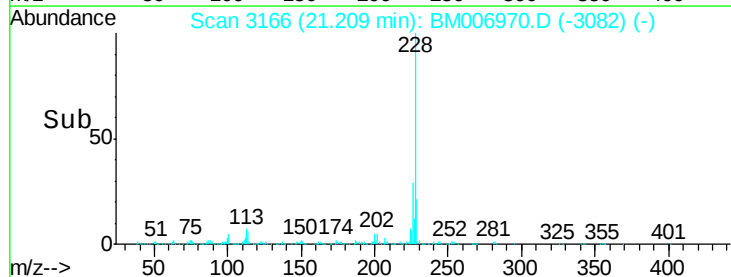
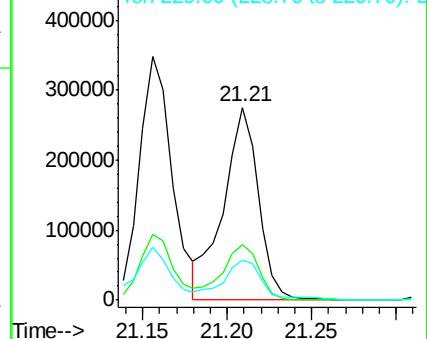
228 100

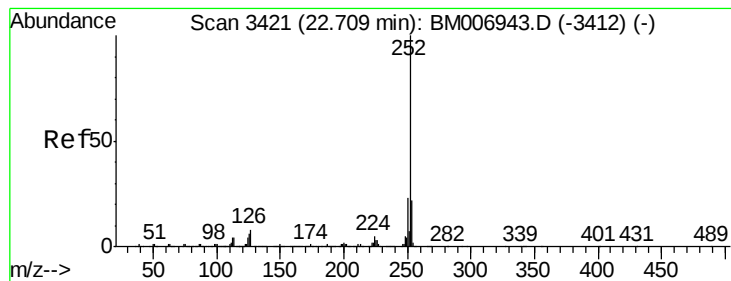
226 29.1 23.8 35.6

229 21.1 15.1 22.7



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: 6.46 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. -0.00 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

Instrument :

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ClientSampleId :

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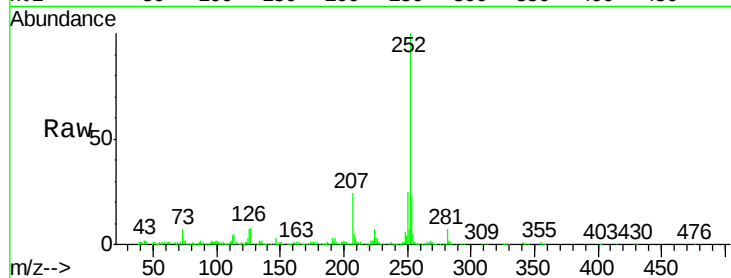
Tgt Ion:252 Resp: 503604

Ion Ratio Lower Upper

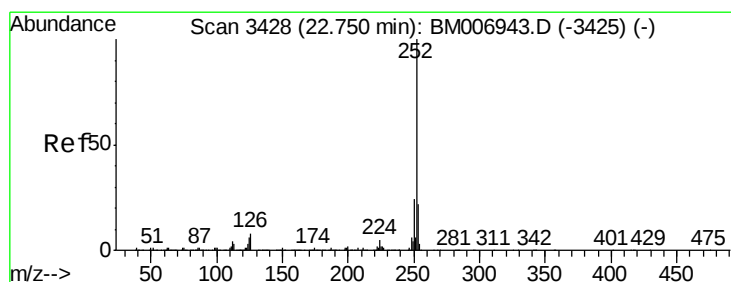
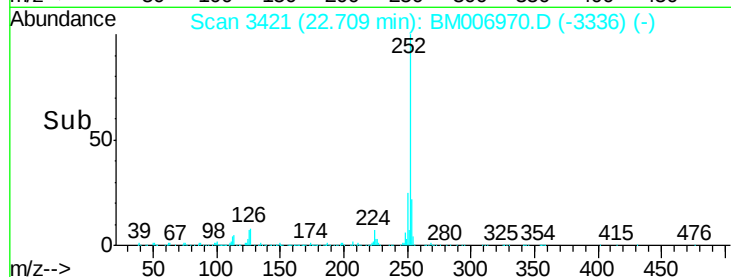
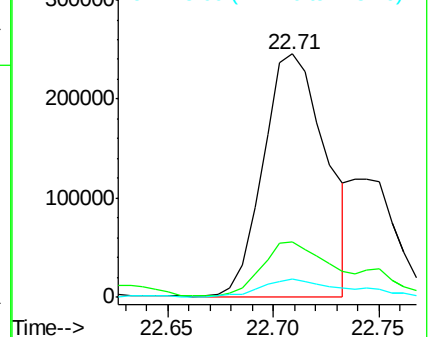
252 100

253 22.6 17.6 26.4

125 7.5 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



#36

Benzo(k)fluoranthene

Concen: 6.69 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. -0.04 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

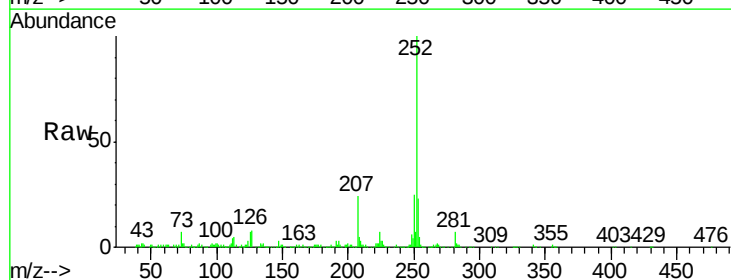
Tgt Ion:252 Resp: 503604

Ion Ratio Lower Upper

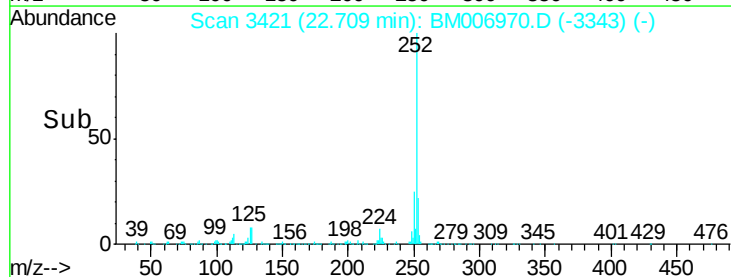
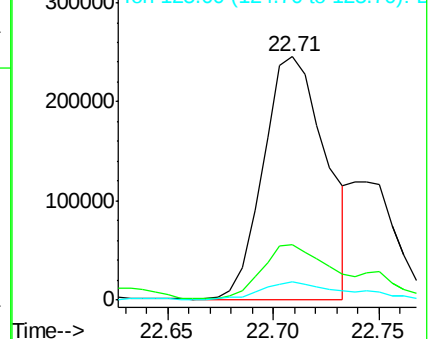
252 100

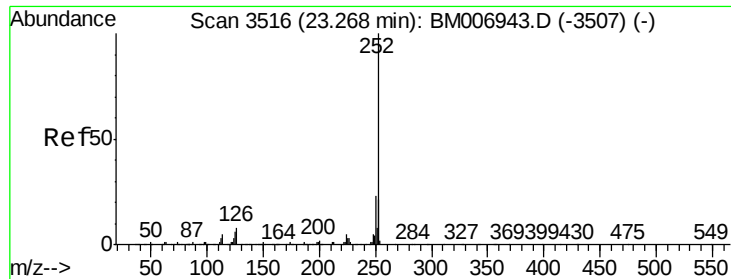
253 22.6 17.2 25.8

125 7.5 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





#38

Benzo(a)pyrene

Concen: 4.86 ng/ul

RT: 23.26 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

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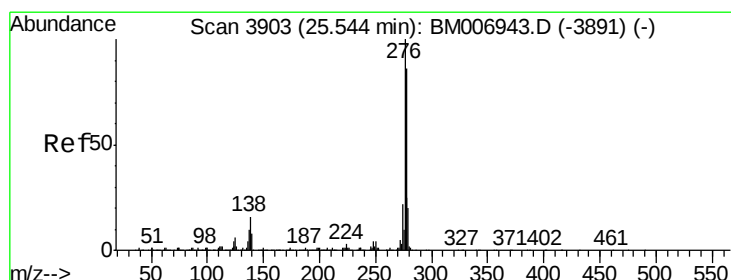
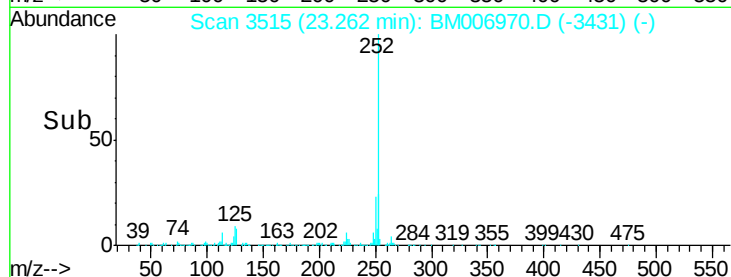
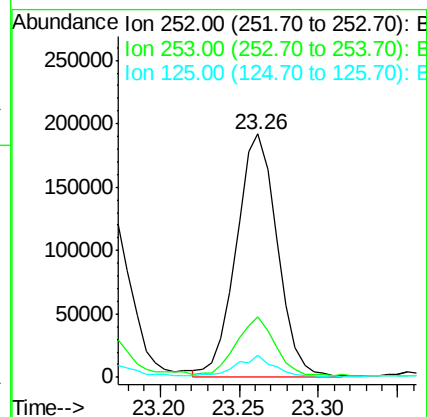
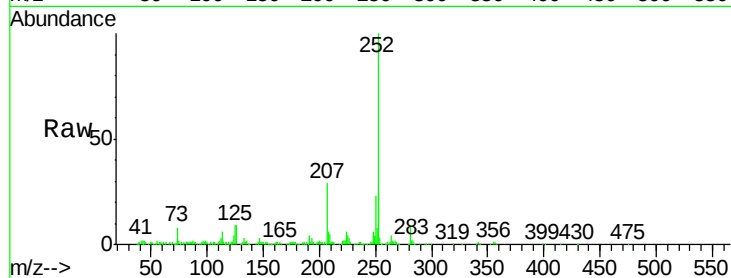
Tgt Ion:252 Resp: 343335

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 9.0 5.6 8.4#



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.56 ng/ul

RT: 25.53 min Scan# 3901

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

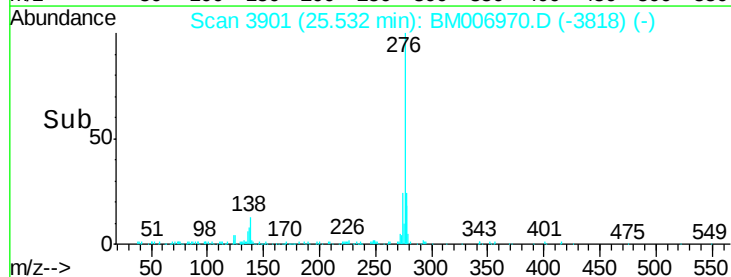
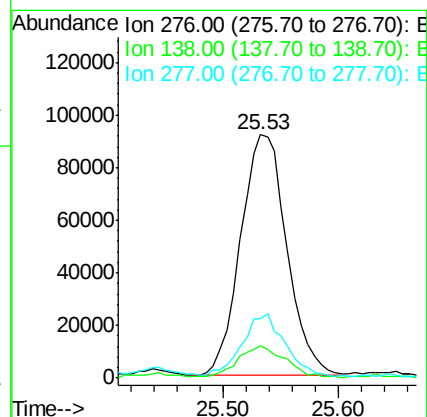
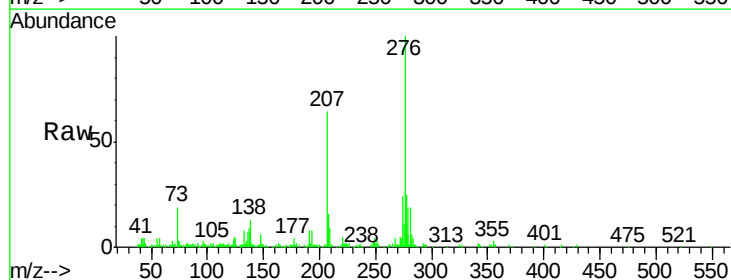
Tgt Ion:276 Resp: 255370

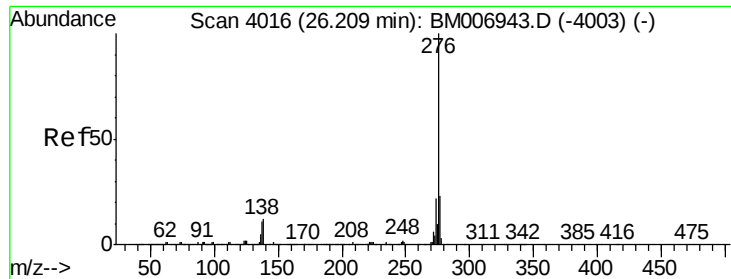
Ion Ratio Lower Upper

276 100

138 13.3 12.6 19.0

277 24.6 20.3 30.5





#41

Benzo(g,h,i)perylene

Concen: 4.51 ng/ul

RT: 26.20 min Scan# 4015

Delta R.T. -0.01 min

Lab File: BM006970.D

Acq: 07 Aug 2016 11:06

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DA0H2

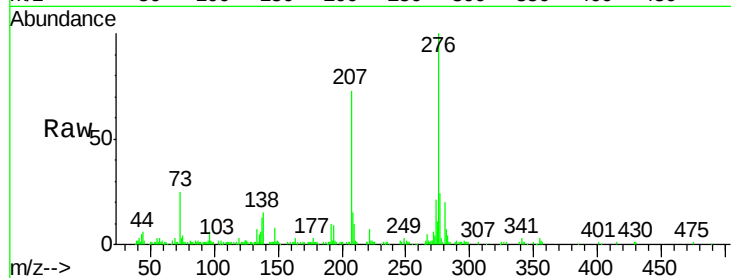
Tgt Ion: 276 Resp: 254855

Ion Ratio Lower Upper

276 100

138 14.6 10.9 16.3

277 23.7 18.6 27.8



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

