

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071916\
 Data File : BM006534.D
 Acq On : 19 Jul 2016 22:12
 Operator : UM/SJ
 Sample : H4029-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJA8

Quant Time: Jul 20 04:24:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 20 04:22:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	196888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	819163	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	438562	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	956636	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	1103250	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	1202402	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	7459	1.60	ng/uL	0.00
5) Phenol-d5	6.79	99	302359	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	197779	20.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	243648	18.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	238909	18.63	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	113972	18.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	122045	17.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	228684	17.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	296037	21.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	734548	20.46	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	911408	20.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	108422	17.39	ng/ul	0.00
57) Fluorene-d10	15.26	176	655637	20.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	71353	12.89	ng/ul	0.00
70) Anthracene-d10	17.12	188	1014017	22.43	ng/ul	0.00
76) Pyrene-d10	19.42	212	1144762	22.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1286878	23.40	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.45	128	2758296	66.34	ng/ul	99
30) 4-Chloroaniline	10.45	127	358466	24.84	ng/ul#	2
34) 2-Methylnaphthalene	12.06	142	67331	2.15	ng/ul	96
44) Dimethylphthalate	13.72	163	277564	7.62	ng/ul	99
47) Acenaphthylene	13.98	152	81284	1.76	ng/ul	98
49) Acenaphthene	14.33	153	91591	3.08	ng/ul	98
53) Dibenzofuran	14.67	168	62960	1.45	ng/ul	98
58) Fluorene	15.32	166	108555	3.13	ng/ul	99
69) Phenanthrene	17.06	178	680477	12.94	ng/ul	99
71) Anthracene	17.14	178	322551	5.96	ng/ul	99
72) Carbazole	17.42	167	46389	1.01	ng/ul	95
74) Fluoranthene	19.08	202	827160	13.53	ng/ul	100
77) Pyrene	19.44	202	679165	10.31	ng/ul	100
80) Benzo(a)anthracene	21.25	228	576228	8.56	ng/ul	94
82) Chrysene	21.25	228	576228	9.09	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	663115	9.23	ng/ul	98
86) Benzo(k)fluoranthene	22.76	252	663115	9.81	ng/ul	98
88) Benzo(a)pyrene	23.32	252	579201	8.41	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.60	276	385719	4.82	ng/ul	97
90) Dibenzo(a,h)anthracene	25.60	278	110375	1.66	ng/ul#	91
91) Benzo(g,h,i)perylene	26.27	276	256218	3.62	ng/ul	97

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QLast Update : Wed Jul 20 04:22:37 2016
Response via : Initial Calibration

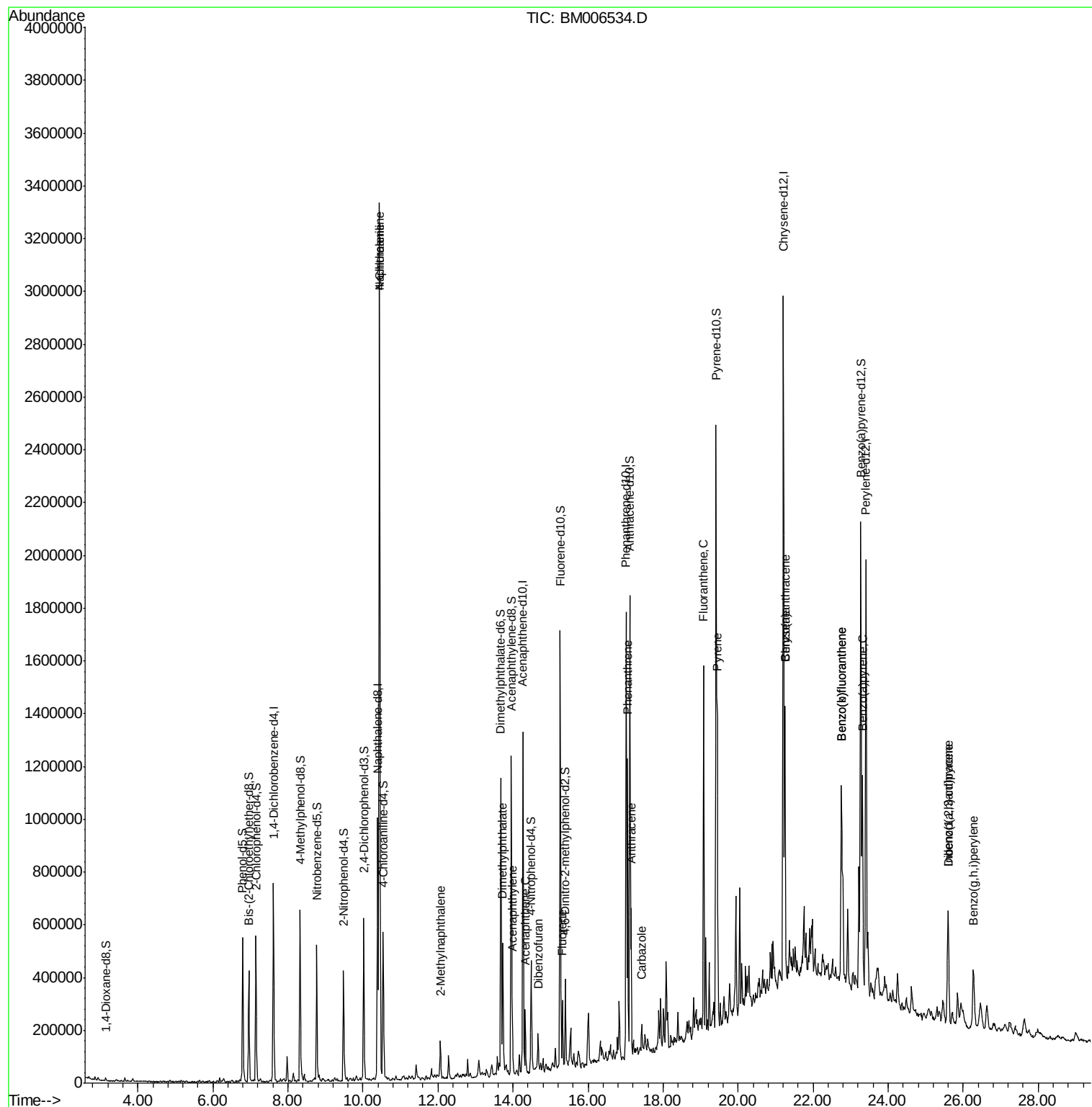
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

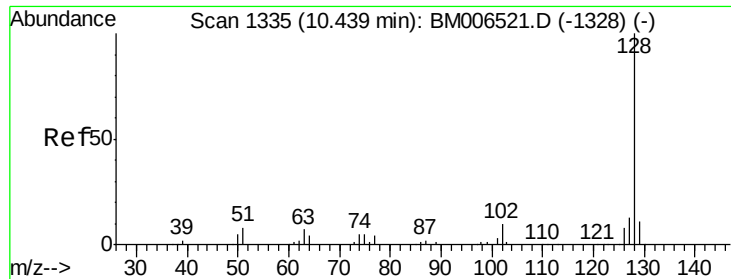
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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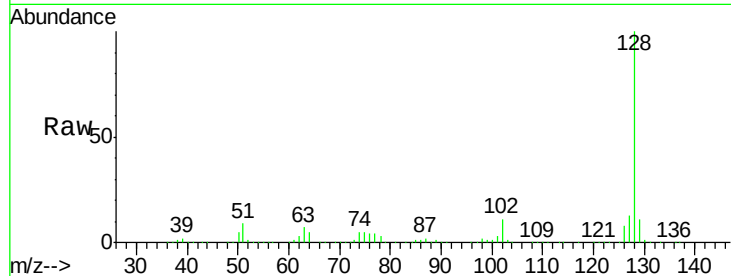




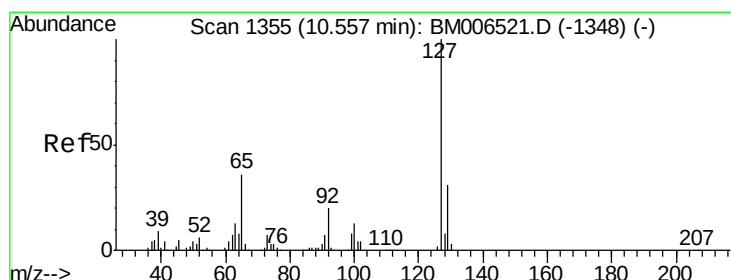
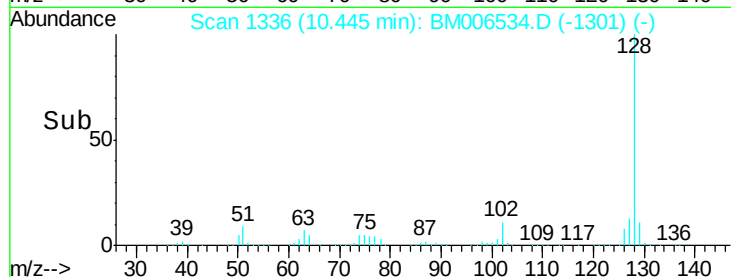
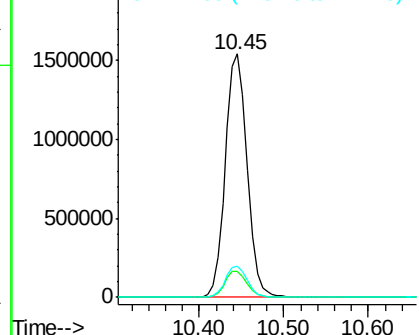
#28
Naphthalene
Concen: 66.34 ng/ul
RT: 10.45 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Instrument :
BNA_M
ClientSampleId :
BDJA8

Tgt Ion:128 Resp: 2758296
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.9 16.3

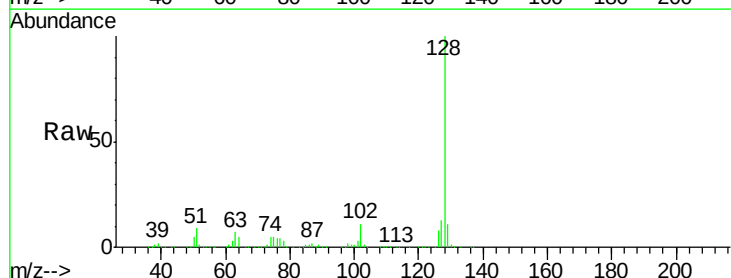


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

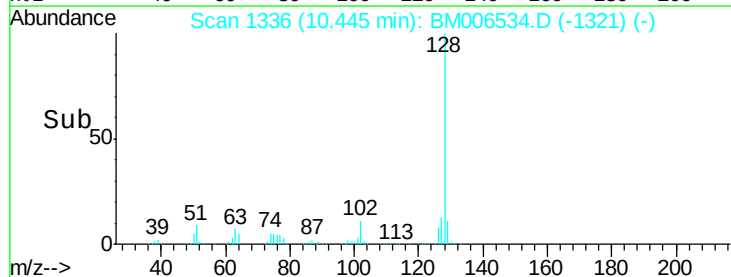
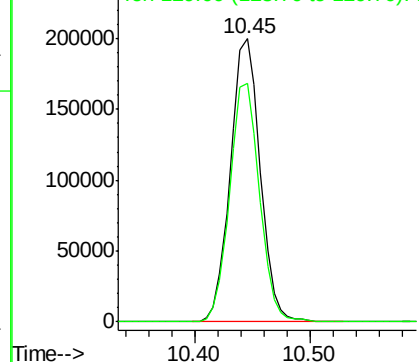


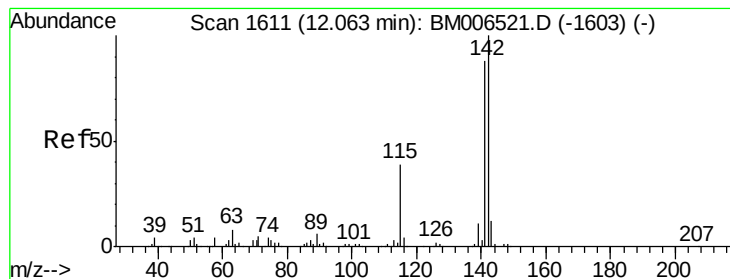
#30
4-Chloroaniline
Concen: 24.84 ng/ul
RT: 10.45 min Scan# 1336
Delta R.T. -0.11 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion:127 Resp: 358466
Ion Ratio Lower Upper
127 100
129 84.3 24.6 37.0#



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





#34

2-Methylnaphthalene

Concen: 2.15 ng/ul

RT: 12.06 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

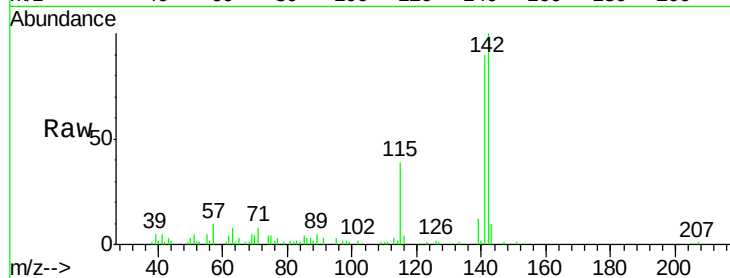
BDJA8

Tgt Ion:142 Resp: 67331

Ion Ratio Lower Upper

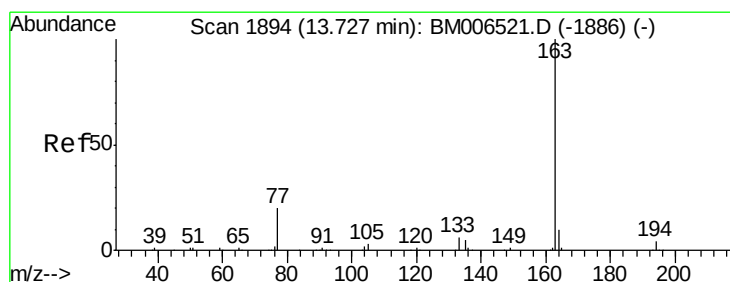
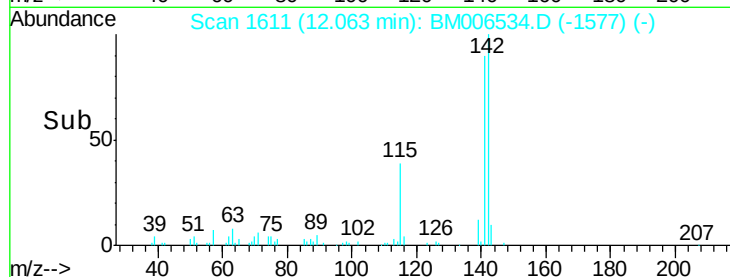
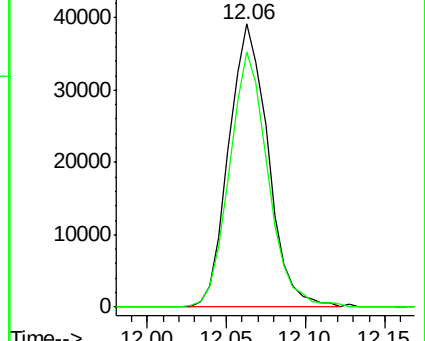
142 100

141 90.1 69.0 103.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 7.62 ng/ul

RT: 13.72 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

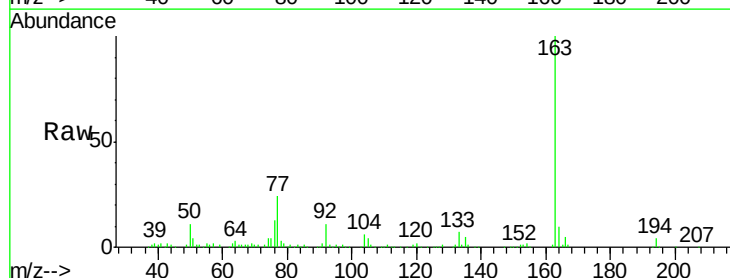
Tgt Ion:163 Resp: 277564

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

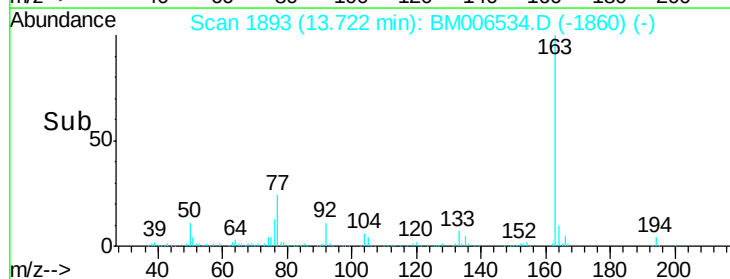
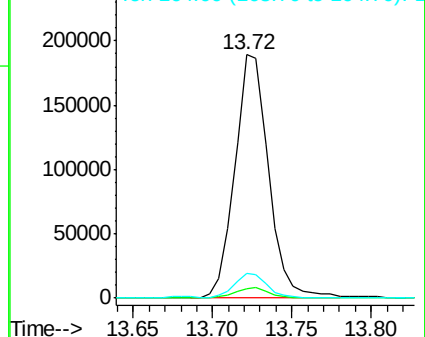
164 10.0 7.8 11.8

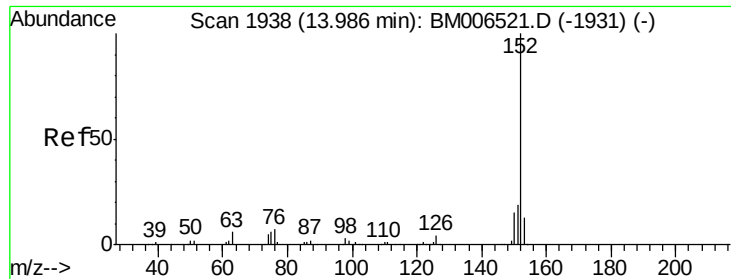


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.76 ng/ul

RT: 13.98 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

BDJA8

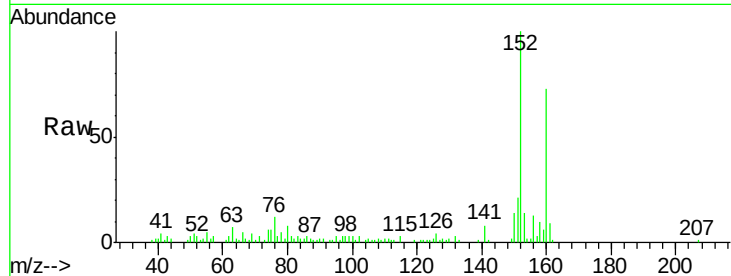
Tgt Ion:152 Resp: 81284

Ion Ratio Lower Upper

152 100

151 20.5 15.6 23.4

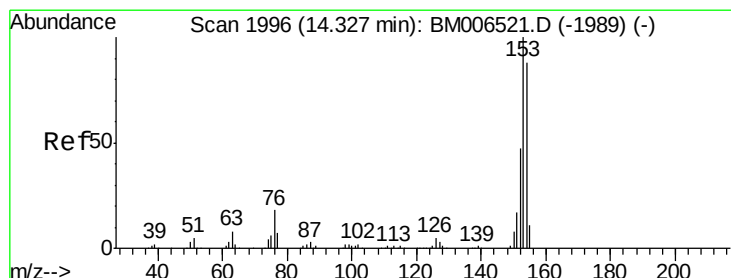
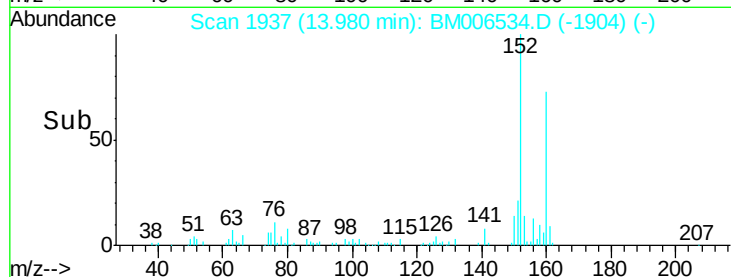
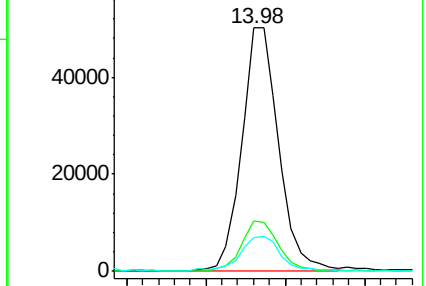
153 13.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 3.08 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

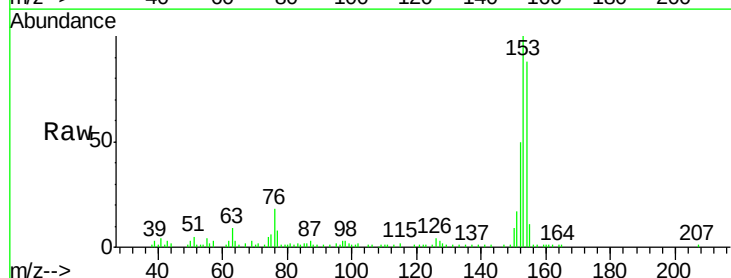
Tgt Ion:153 Resp: 91591

Ion Ratio Lower Upper

153 100

152 49.9 37.7 56.5

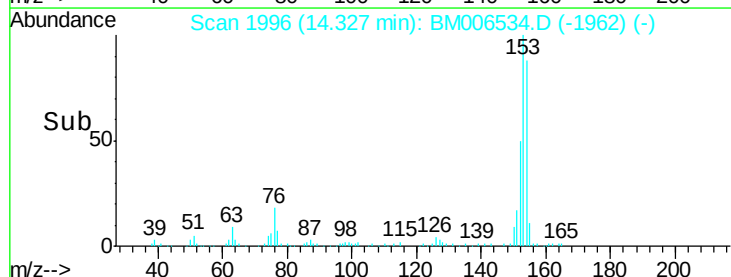
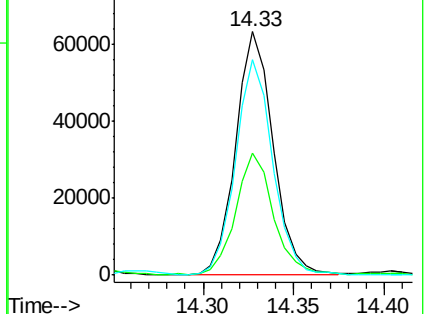
154 88.4 70.0 105.0

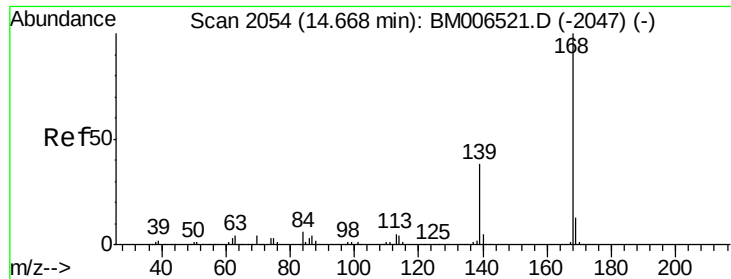


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.45 ng/ul

RT: 14.67 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Instrument :

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ClientSampleId :

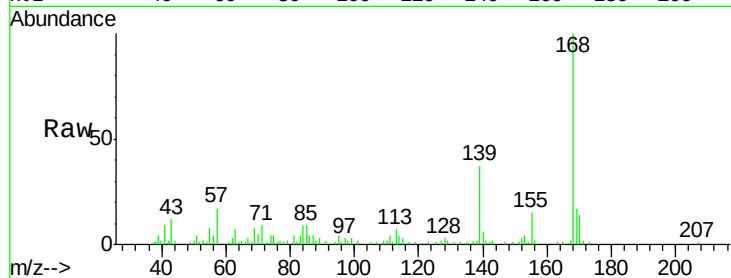
BDJA8

Tgt Ion:168 Resp: 62960

Ion Ratio Lower Upper

168 100

139 37.3 30.6 46.0

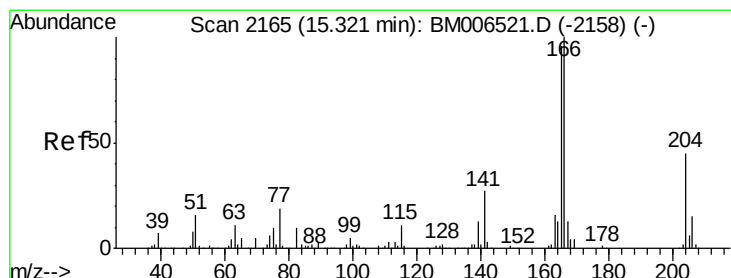
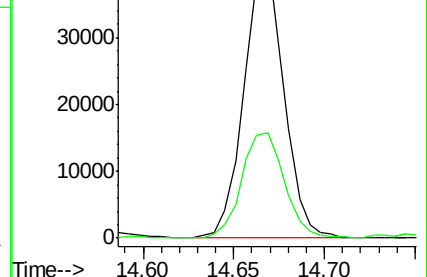
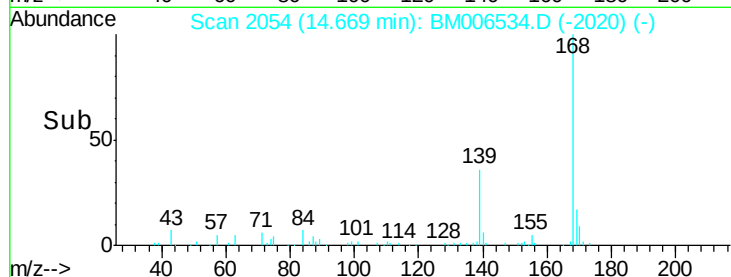


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.67

Time-->



#58

Fluorene

Concen: 3.13 ng/ul

RT: 15.32 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

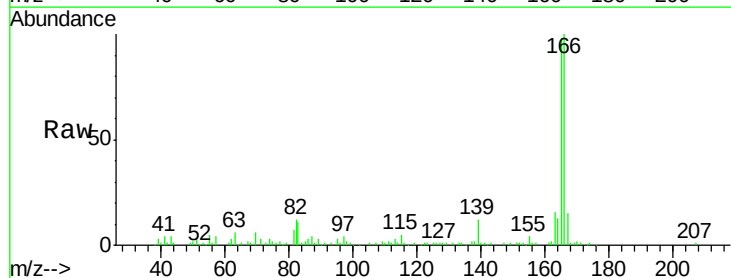
Tgt Ion:166 Resp: 108555

Ion Ratio Lower Upper

166 100

165 97.9 77.5 116.3

167 14.7 10.8 16.2



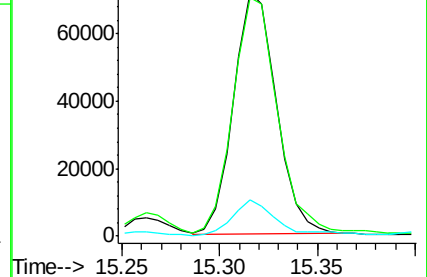
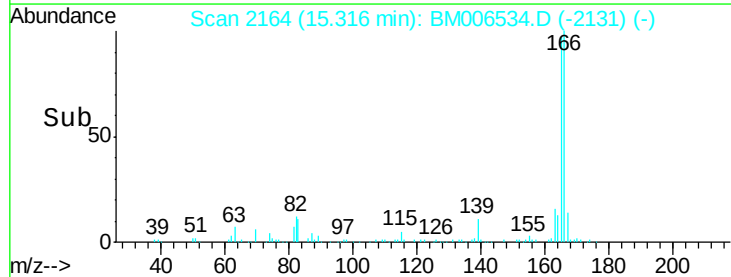
Abundance Ion 166.00 (165.70 to 166.70): E

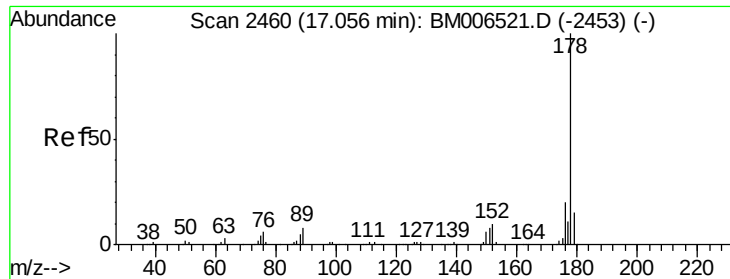
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.32

Time-->





#69

Phenanthrene

Concen: 12.94 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006534.D

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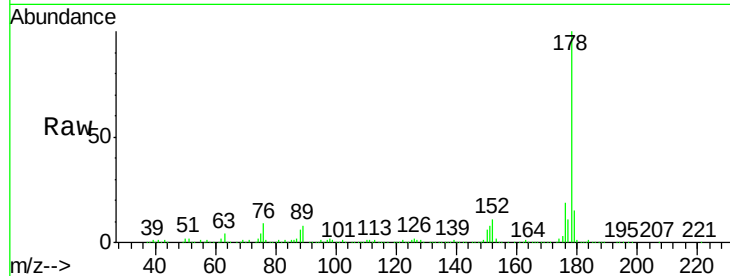
Tgt Ion:178 Resp: 680477

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

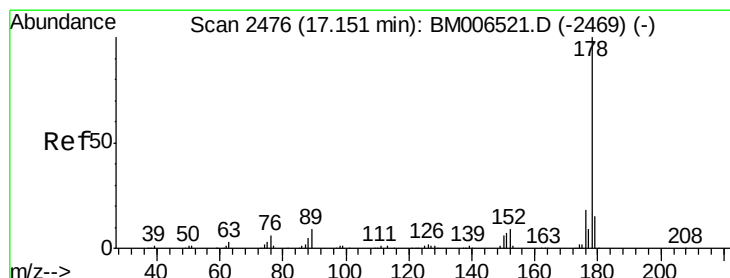
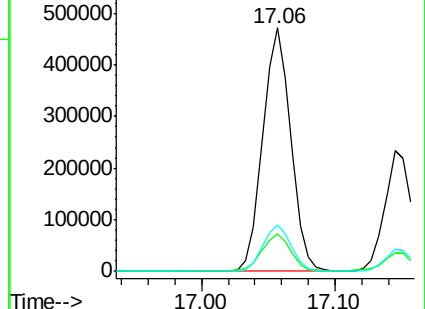
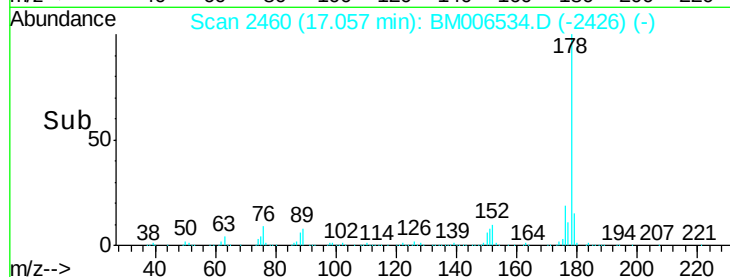
176 19.2 15.2 22.8



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



#71

Anthracene

Concen: 5.96 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

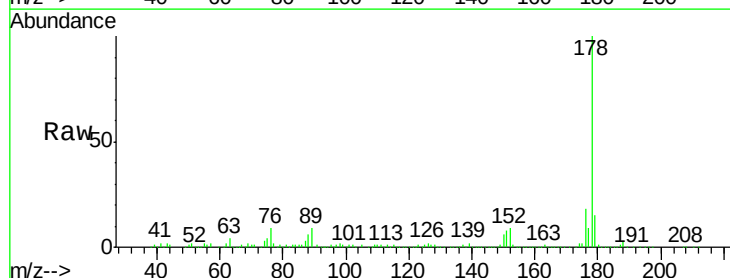
Tgt Ion:178 Resp: 322551

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

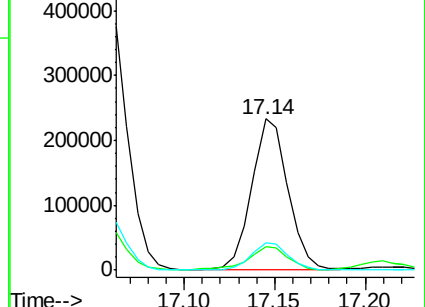
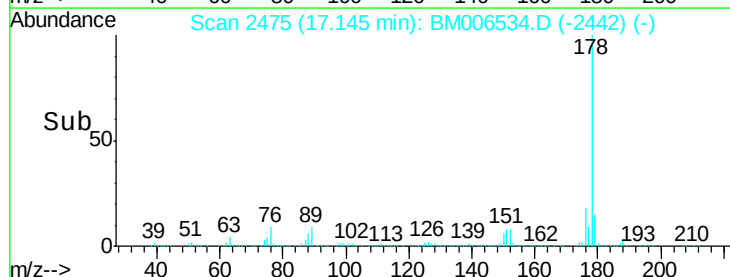
176 18.4 15.0 22.6

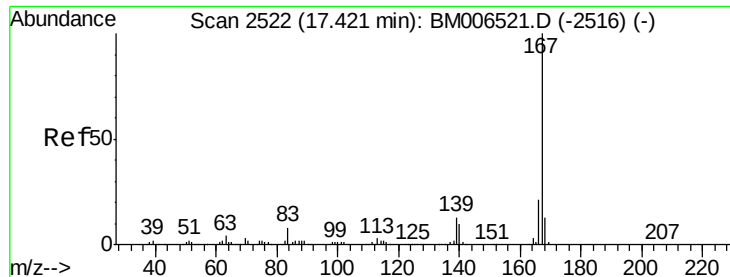


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.01 ng/ul

RT: 17.42 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BM006534.D

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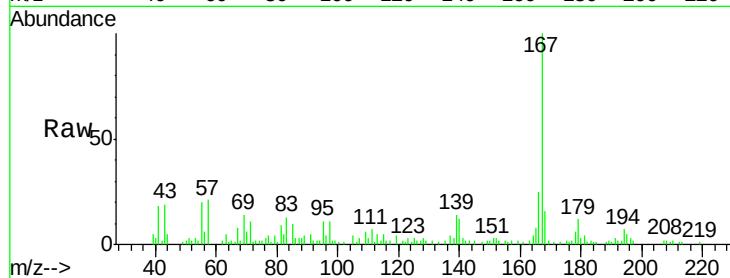
Tgt Ion:167 Resp: 46389

Ion Ratio Lower Upper

167 100

166 24.6 17.0 25.6

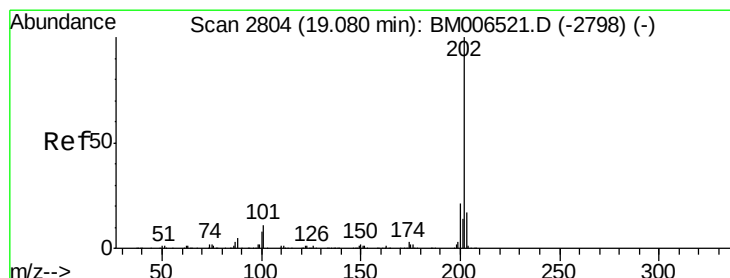
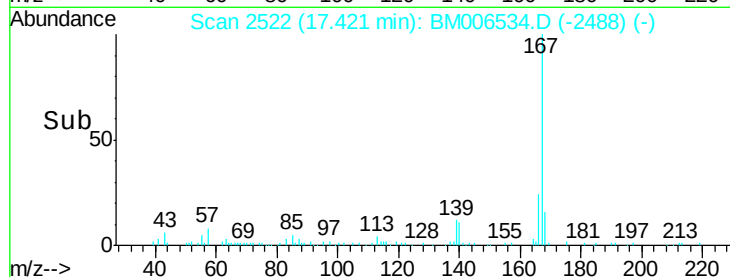
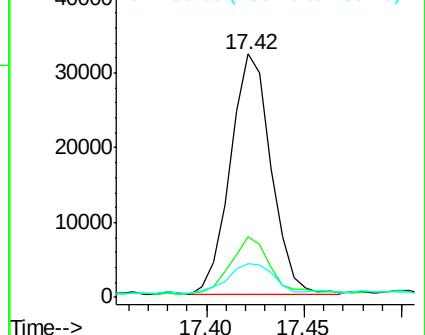
139 13.9 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 13.53 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

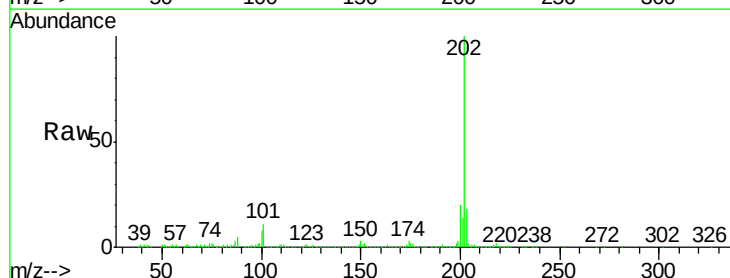
Tgt Ion:202 Resp: 827160

Ion Ratio Lower Upper

202 100

101 10.8 8.6 12.8

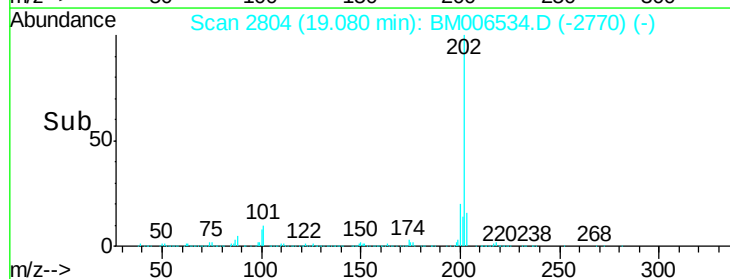
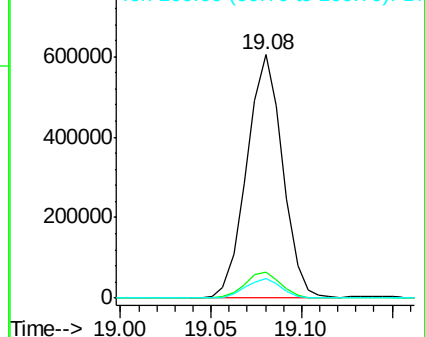
100 7.8 6.4 9.6

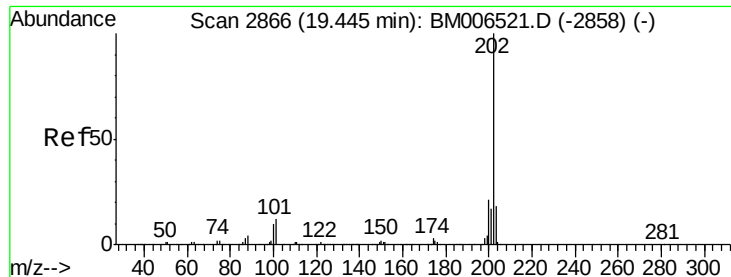


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

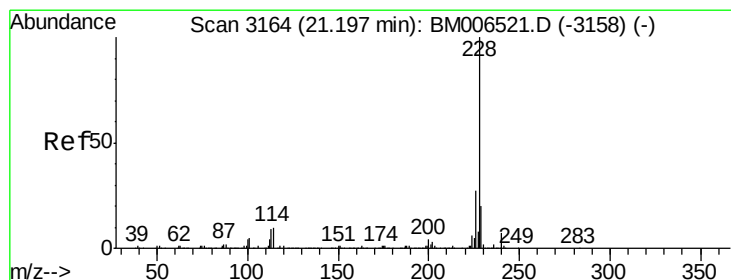
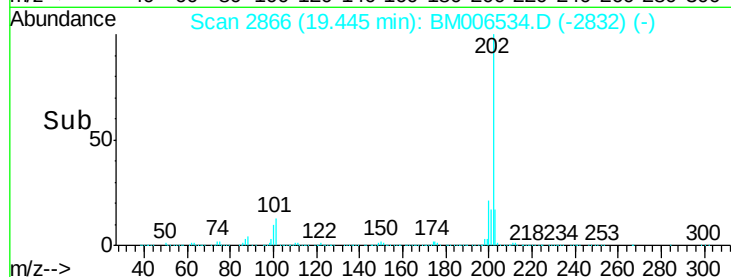
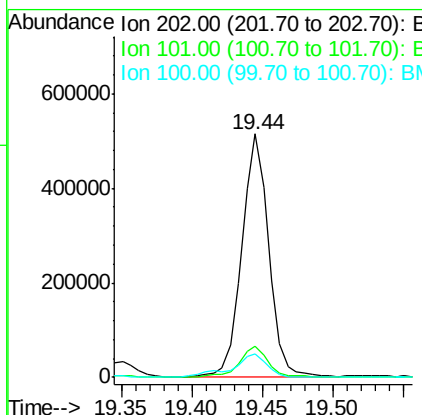
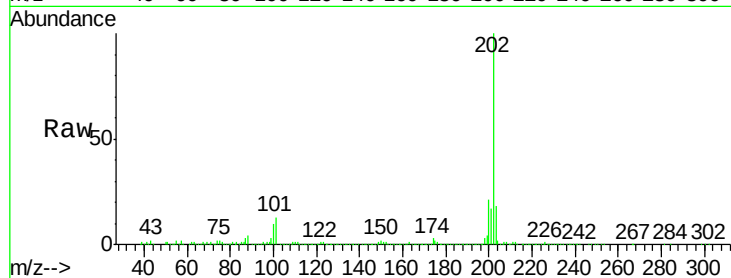




#77
 Pyrene
 Concen: 10.31 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

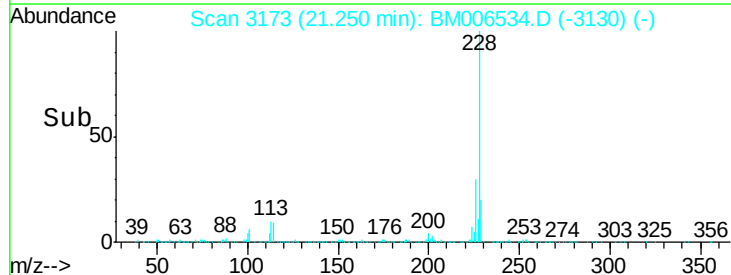
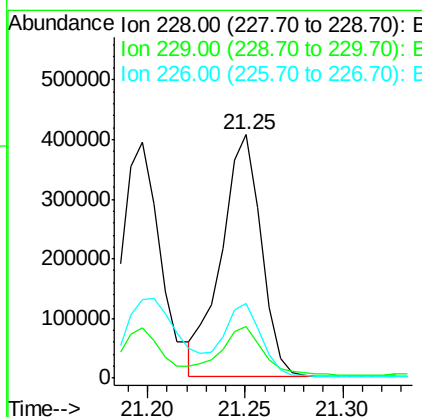
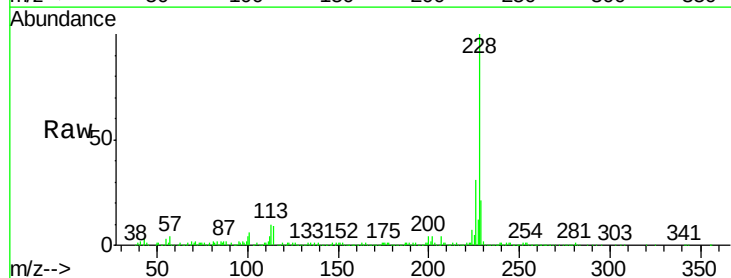
Instrument :
 BNA_M
 ClientSampleId :
 BDJA8

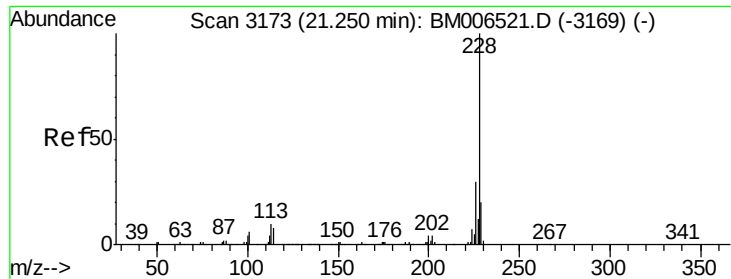
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.0	15.0
100	9.6	7.9	11.9



#80
 Benzo(a)anthracene
 Concen: 8.56 ng/ul
 RT: 21.25 min Scan# 3173
 Delta R.T. 0.05 min
 Lab File: BM006534.D
 Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.6	23.4
226	30.8	21.4	32.2

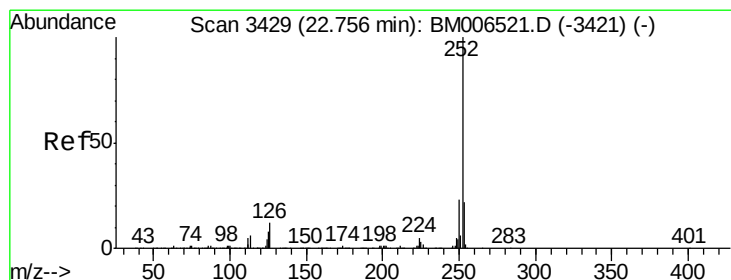
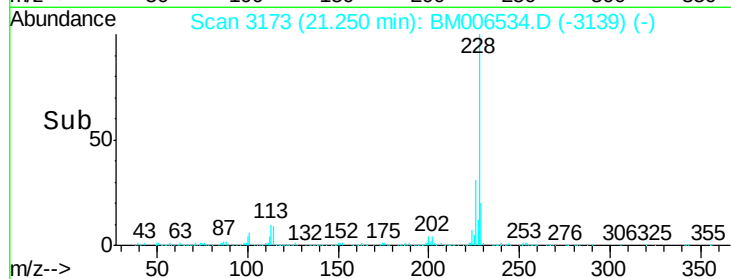
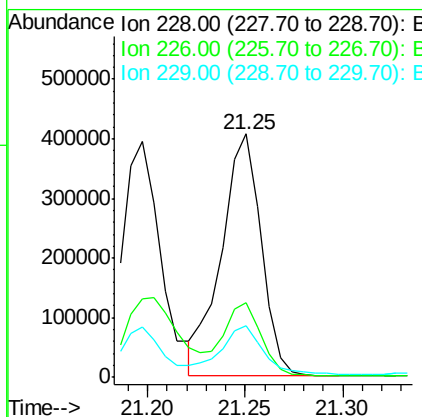
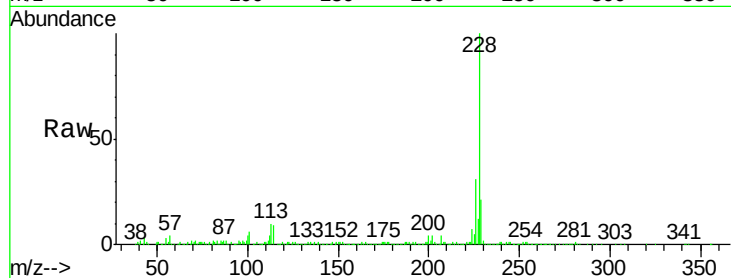




#82
Chrysene
Concen: 9.09 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

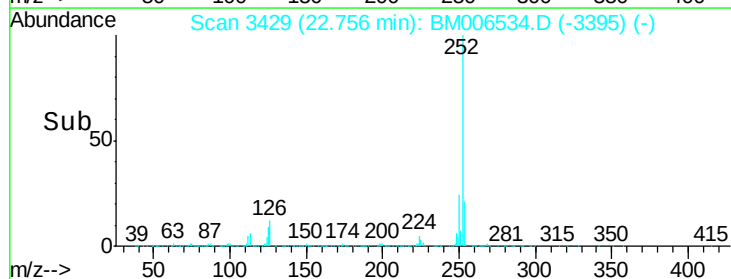
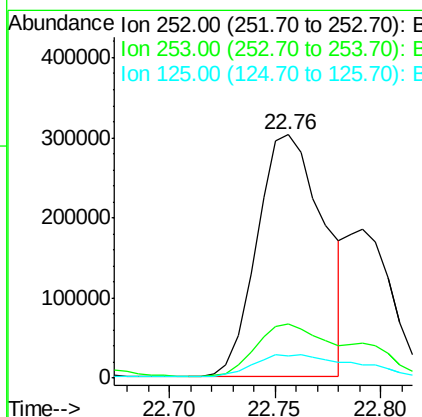
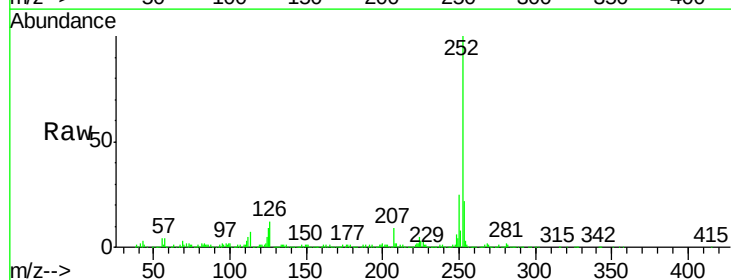
Instrument :
BNA_M
ClientSampleId :
BDJA8

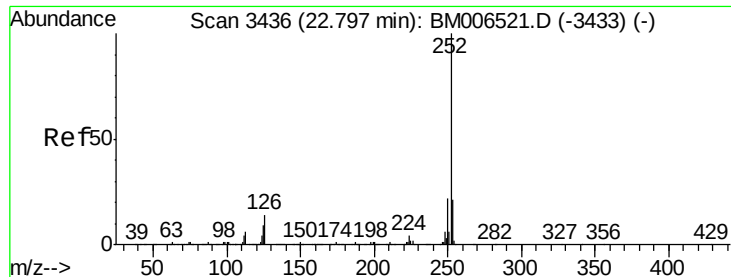
Tgt Ion: 228 Resp: 576228
Ion Ratio Lower Upper
228 100
226 30.8 23.3 34.9
229 21.0 15.8 23.8



#85
Benzo(b)fluoranthene
Concen: 9.23 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion: 252 Resp: 663115
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.4 6.7 10.1

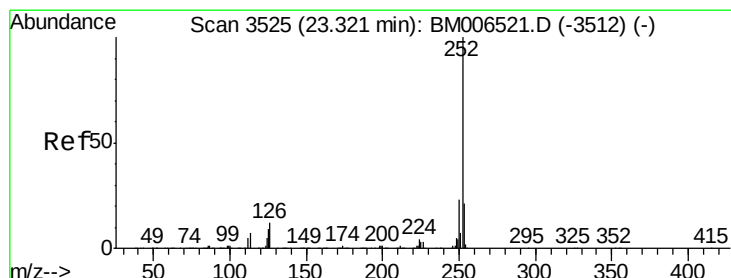
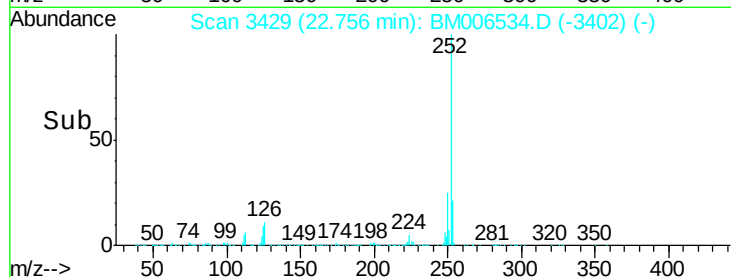
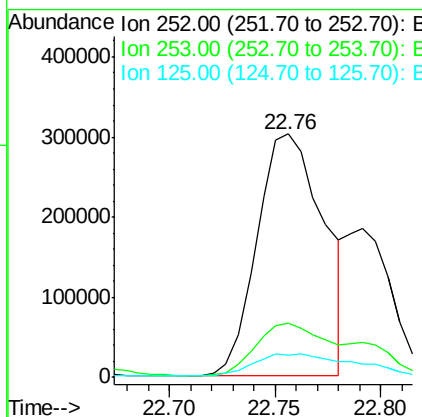
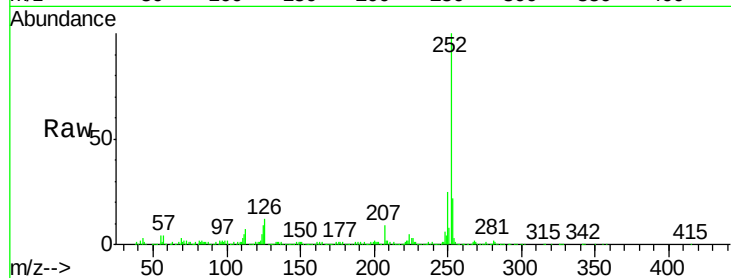




#86
Benzo(k)fluoranthene
Concen: 9.81 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

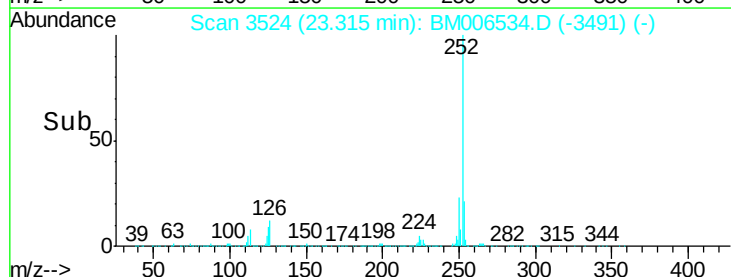
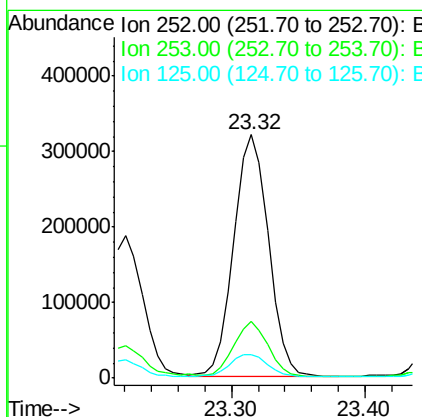
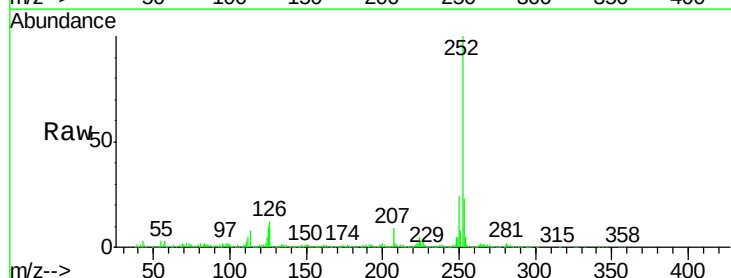
Instrument :
BNA_M
ClientSampleId :
BDJA8

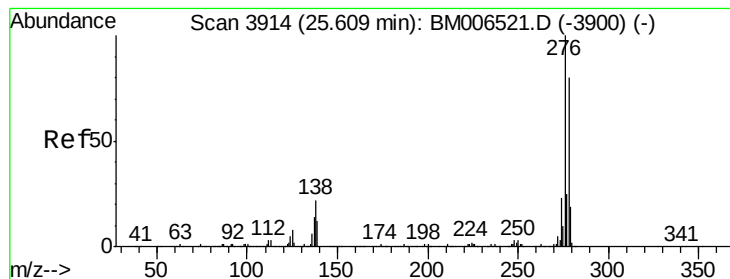
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.4	7.0	10.4



#88
Benzo(a)pyrene
Concen: 8.41 ng/ul
RT: 23.32 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006534.D
Acq: 19 Jul 2016 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	9.8	7.6	11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.82 ng/ul

RT: 25.60 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

BDJA8

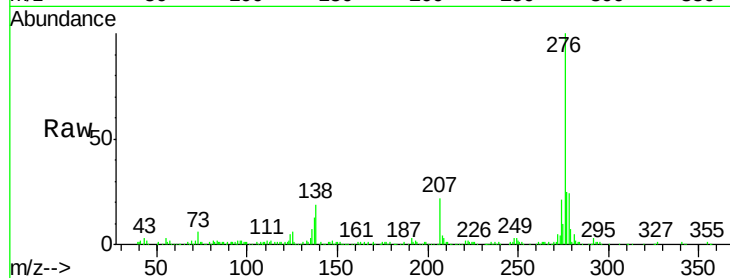
Tgt Ion:276 Resp: 385719

Ion Ratio Lower Upper

276 100

138 19.5 17.8 26.6

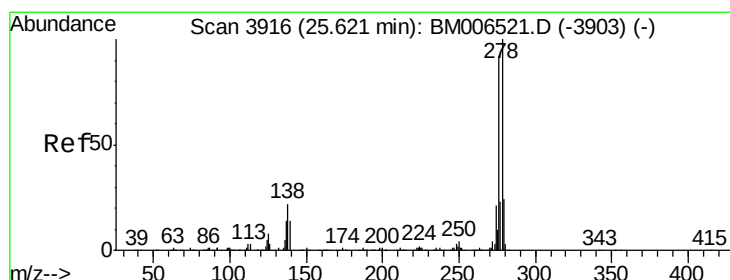
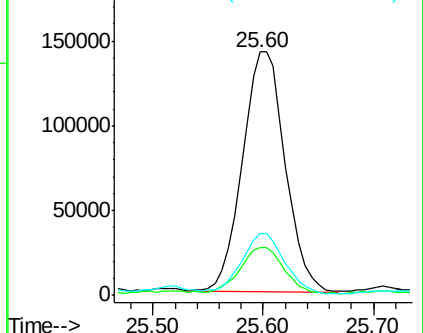
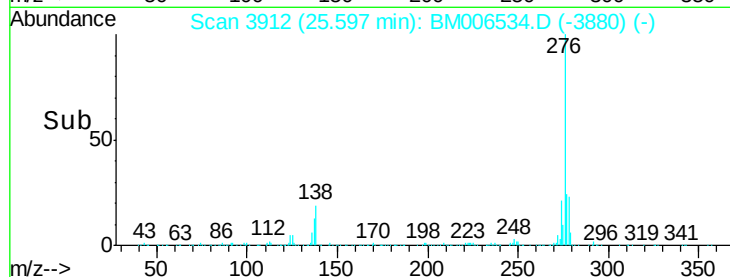
277 25.5 20.1 30.1



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



#90

Dibenzo(a,h)anthracene

Concen: 1.66 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

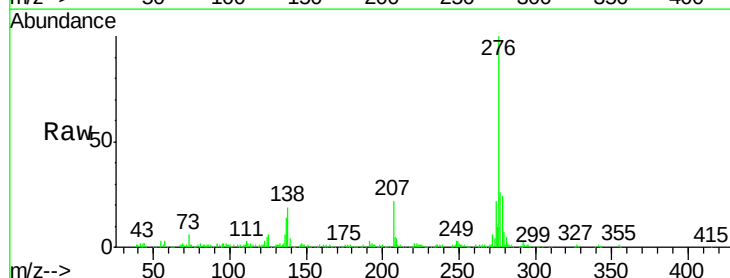
Tgt Ion:278 Resp: 110375

Ion Ratio Lower Upper

278 100

139 18.3 11.7 17.5#

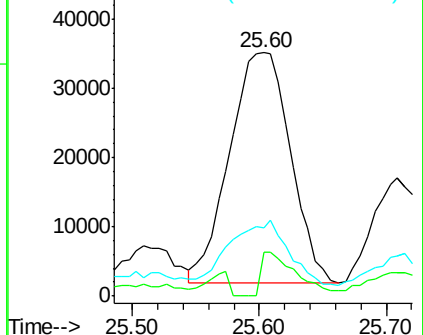
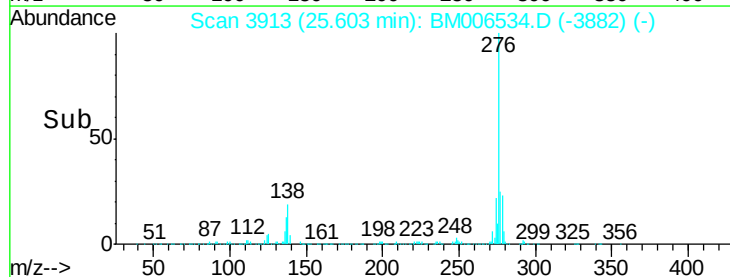
279 28.1 19.2 28.8

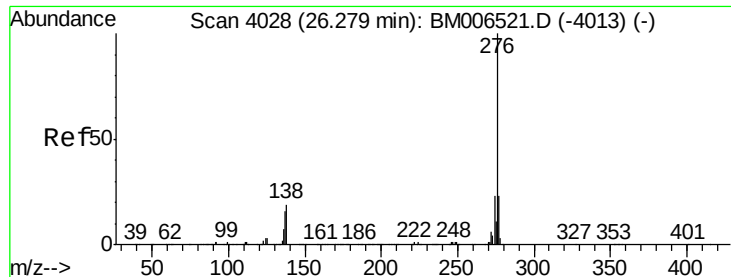


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.62 ng/ul

RT: 26.27 min Scan# 4027

Delta R.T. -0.01 min

Lab File: BM006534.D

Acq: 19 Jul 2016 22:12

Instrument :

BNA_M

ClientSampleId :

BDJA8

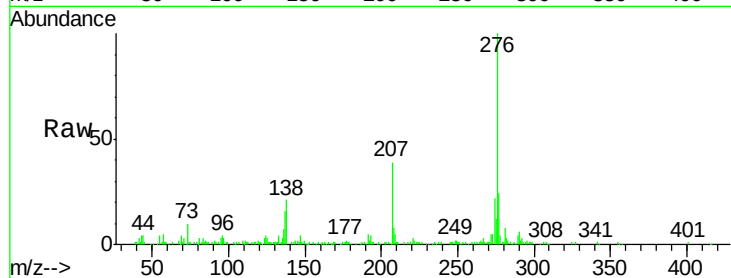
Tgt Ion: 276 Resp: 256218

Ion Ratio Lower Upper

276 100

138 21.0 15.0 22.4

277 24.3 19.0 28.4



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

