

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072315\
 Data File : BM002024.D
 Acq On : 23 Jul 2015 19:49
 Operator : TP/UM
 Sample : G3000-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J3RE

Quant Time: Jul 24 01:34:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:29:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	77826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	299175	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	157342	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	319101	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	358393	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	365113	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2870	1.80	ng/uL	0.00
5) Phenol-d5	6.79	99	70418	11.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	40896	11.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	63018	12.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	48353	9.27	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	29289	13.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	33072	13.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	61539	12.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	49453	9.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	190044	14.98	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	205950	13.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	24963	11.62	ng/ul	0.00
57) Fluorene-d10	15.27	176	140698	12.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	4238	2.05	ng/ul	0.00
70) Anthracene-d10	17.13	188	198180	13.23	ng/ul	0.00
78) Pyrene-d10	19.43	212	204312	12.48	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	197901	10.72	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.44	105	25539	3.10	ng/ul	98
28) Naphthalene	10.45	128	114671	7.59	ng/ul	99
34) 2-Methylnaphthalene	12.08	142	31768	2.82	ng/ul	96
44) Dimethylphthalate	13.74	163	177243	13.73	ng/ul	98
49) Acenaphthene	14.35	153	38444	3.68	ng/ul	99
53) Dibenzofuran	14.68	168	26615	1.77	ng/ul	100
58) Fluorene	15.33	166	38217	3.04	ng/ul	98
69) Phenanthrene	17.07	178	235517	13.62	ng/ul	99
71) Anthracene	17.16	178	51489	2.89	ng/ul	98
74) Carbazole	17.44	167	28808	1.87	ng/ul#	91
75) Di-n-butylphthalate	18.00	149	245073	13.21	ng/ul	99
76) Fluoranthene	19.10	202	283802	14.05	ng/ul	99
79) Pyrene	19.46	202	267926	12.49	ng/ul	99
82) Benzo(a)anthracene	21.22	228	120937	5.67	ng/ul#	93
83) Bis(2-ethylhexyl)phthalate	21.14	149	81483	6.82	ng/ul	96
84) Chrysene	21.27	228	123894	6.20	ng/ul#	95
87) Benzo(b)fluoranthene	22.78	252	164929	7.37	ng/ul#	87
88) Benzo(k)fluoranthene	22.78	252	88560	4.12	ng/ul#	87
90) Benzo(a)pyrene	23.34	252	107325	5.11	ng/ul#	87
91) Indeno(1,2,3-cd)pyrene	25.67	276	80774	3.66	ng/ul	94
92) Dibenzo(a,h)anthracene	25.67	278	22168	1.19	ng/ul#	59
93) Benzo(g,h,i)perylene	26.36	276	79497	4.38	ng/ul#	93

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 24 01:29:30 2015
Response via : Initial Calibration

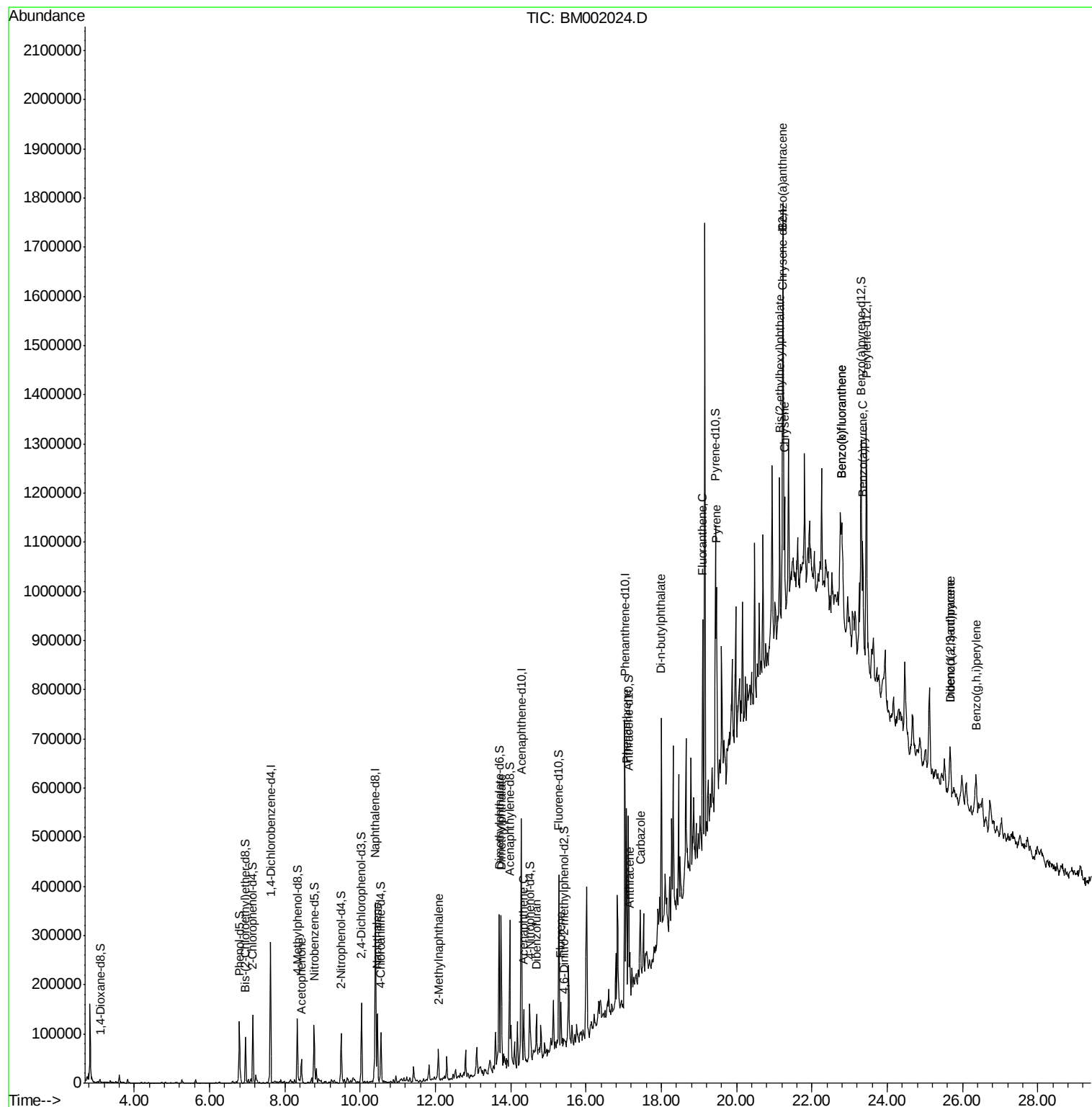
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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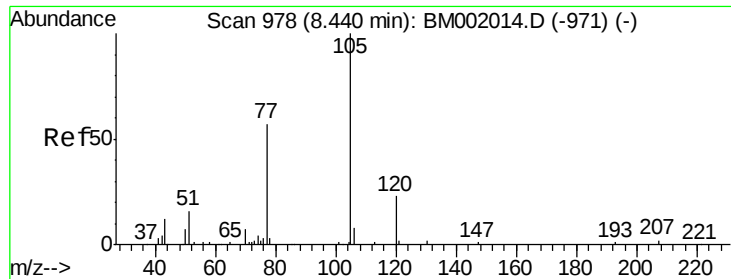
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072315\
Data File : BM002024.D
Acq On : 23 Jul 2015 19:49
Operator : TP/UM
Sample : G3000-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C02J3RE

Quant Time: Jul 24 01:34:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
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Response via : Initial Calibration





#14

Acetophenone

Concen: 3.10 ng/ul

RT: 8.44 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

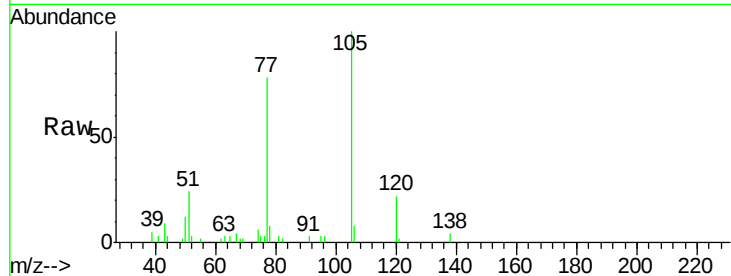
Tgt Ion:105 Resp: 25539

Ion Ratio Lower Upper

105 100

77 78.5 62.2 93.4

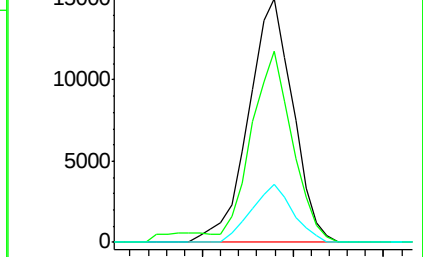
51 23.9 21.4 32.0



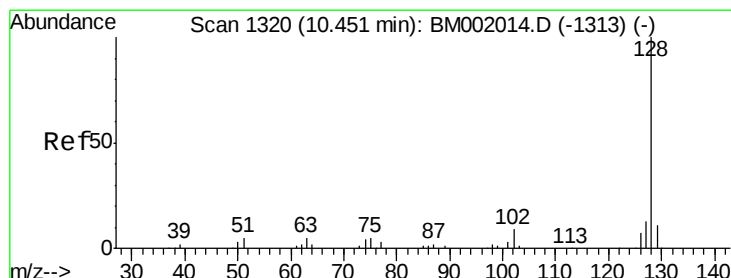
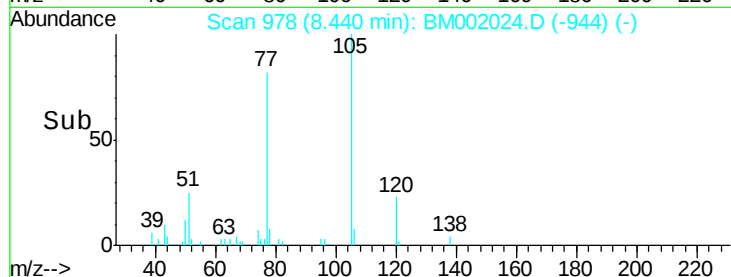
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



Time-->



#28

Naphthalene

Concen: 7.59 ng/ul

RT: 10.45 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

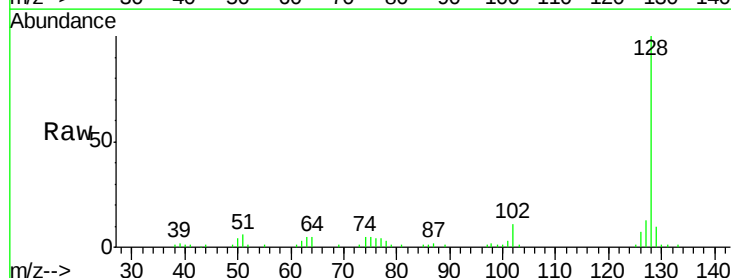
Tgt Ion:128 Resp: 114671

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

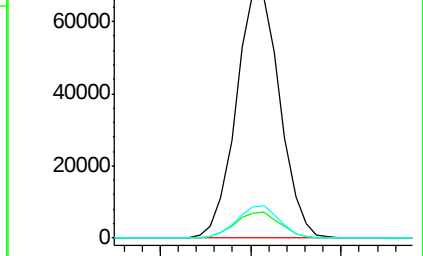
127 13.0 10.4 15.6



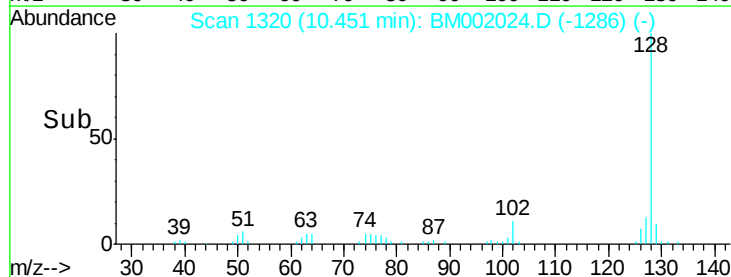
Abundance Ion 128.00 (127.70 to 128.70): E

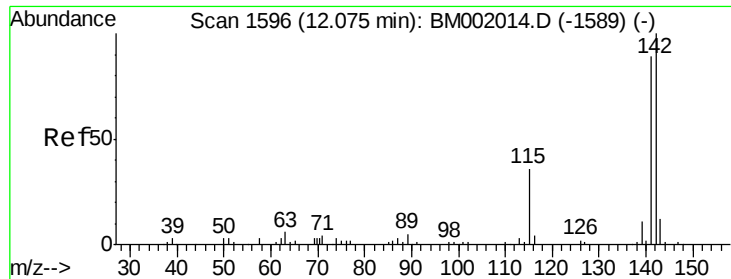
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->

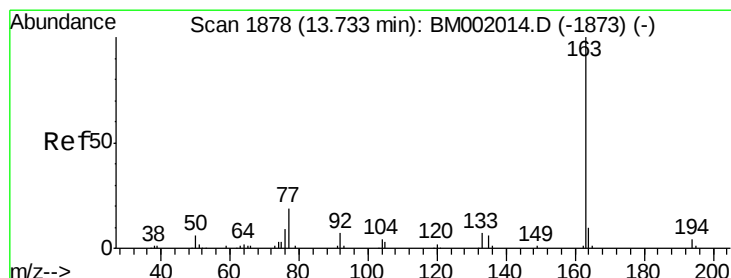
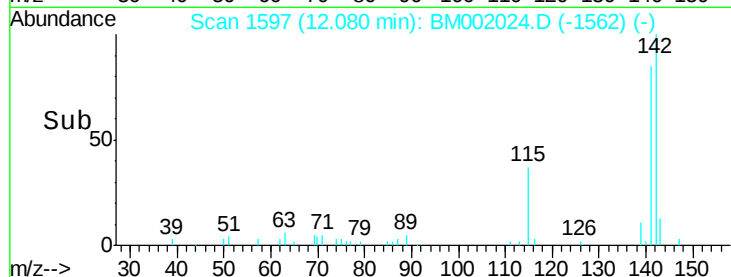
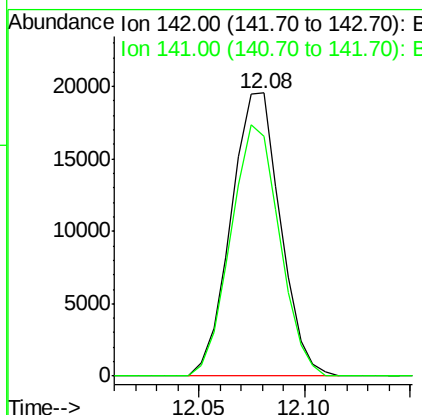
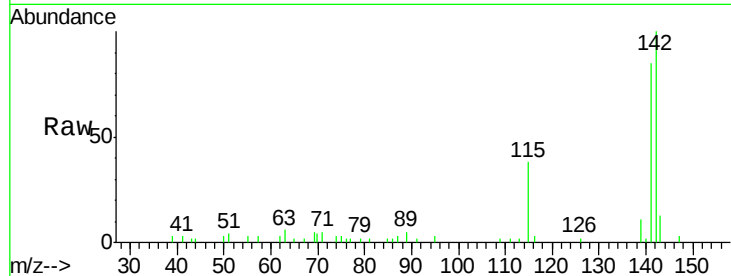




#34
 2-Methylnaphthalene
 Concen: 2.82 ng/ul
 RT: 12.08 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

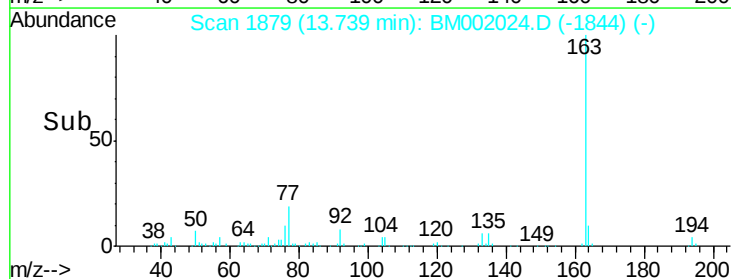
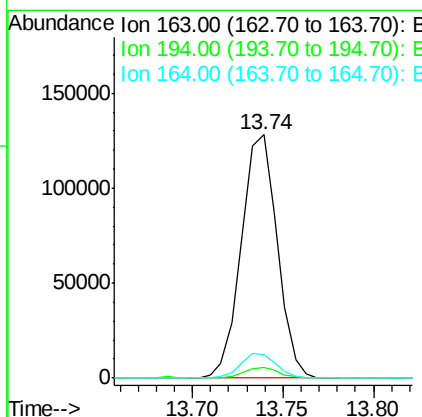
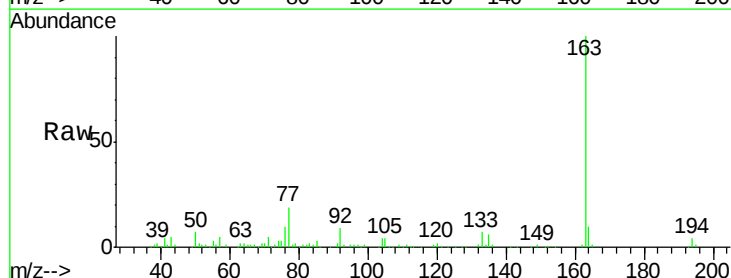
Instrument :
 BNA_M
 ClientSampleId :
 C02J3RE

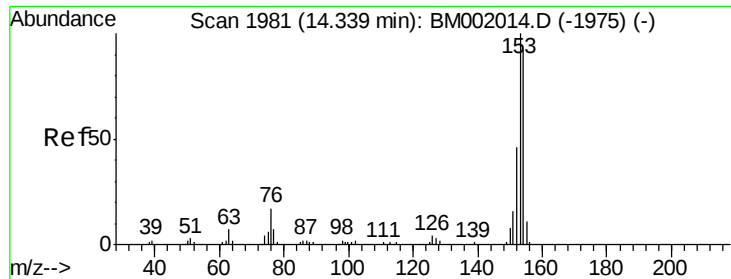
Tgt Ion:142 Resp: 31768
 Ion Ratio Lower Upper
 142 100
 141 84.8 70.5 105.7



#44
 Dimethylphthalate
 Concen: 13.73 ng/ul
 RT: 13.74 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

Tgt Ion:163 Resp: 177243
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.5 5.3
 164 9.5 8.2 12.4





#49

Acenaphthene

Concen: 3.68 ng/ul

RT: 14.35 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

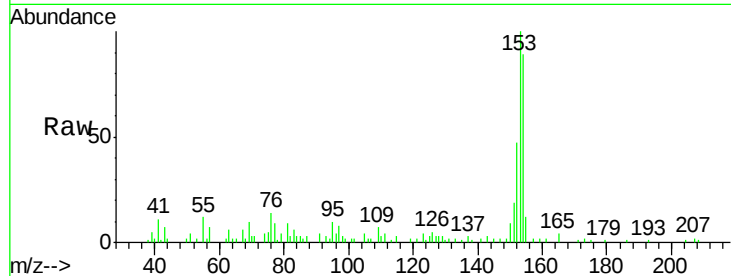
Tgt Ion:153 Resp: 38444

Ion Ratio Lower Upper

153 100

152 47.0 37.2 55.8

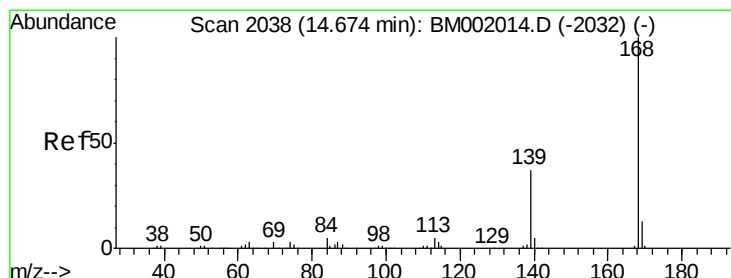
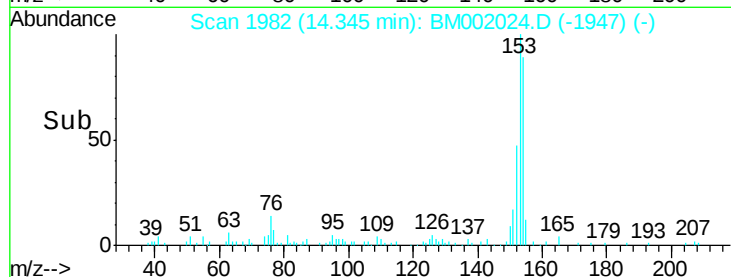
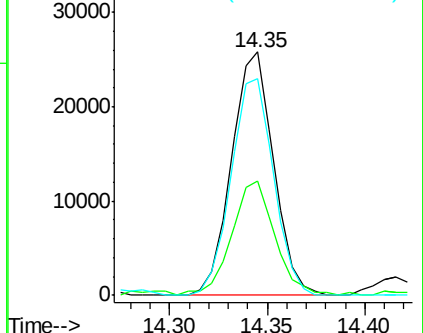
154 88.8 72.2 108.2



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

Dibenzofuran

Concen: 1.77 ng/ul

RT: 14.68 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BM002024.D

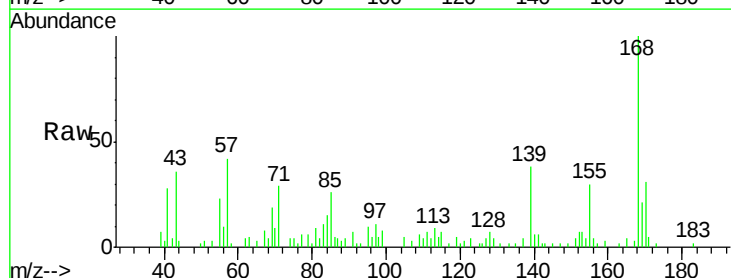
Acq: 23 Jul 2015 19:49

Tgt Ion:168 Resp: 26615

Ion Ratio Lower Upper

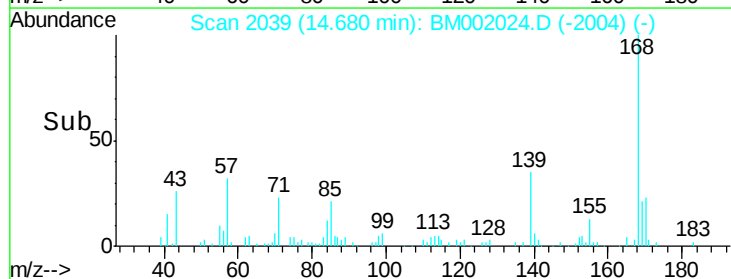
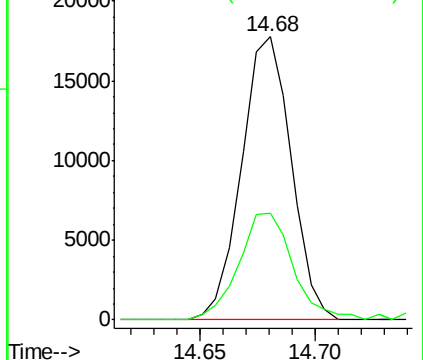
168 100

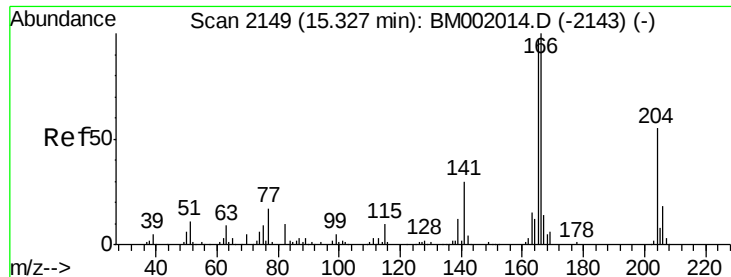
139 37.6 30.2 45.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

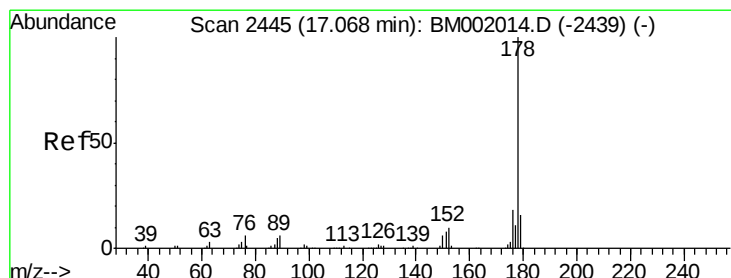
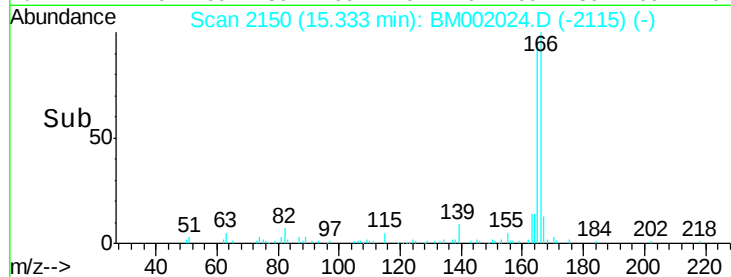
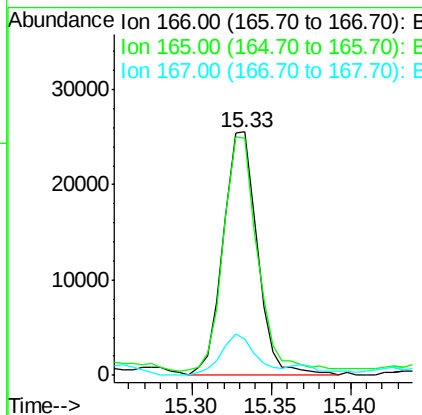
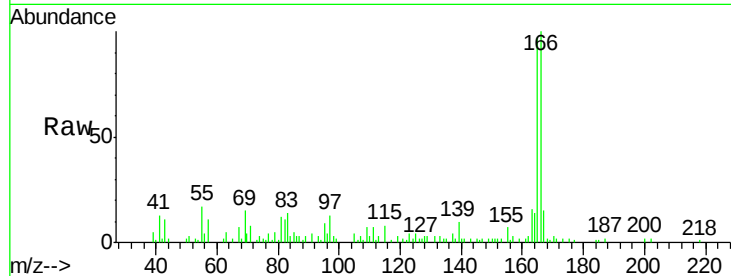




#58
 Fluorene
 Concen: 3.04 ng/ul
 RT: 15.33 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

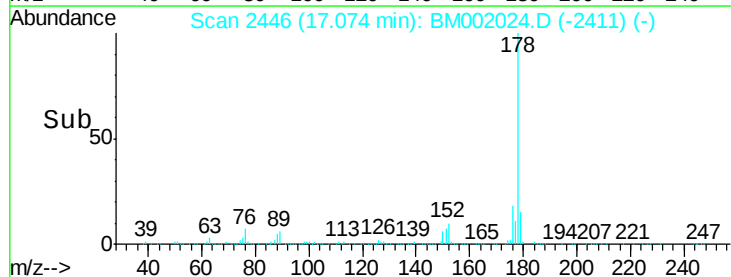
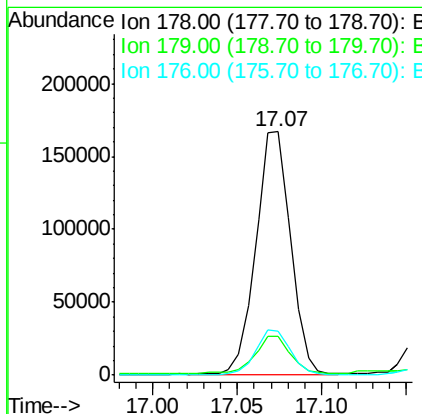
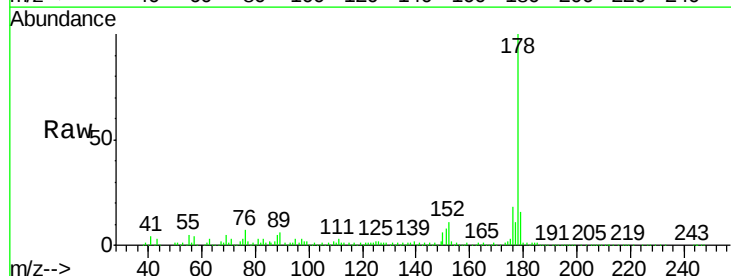
Instrument :
 BNA_M
 ClientSampleId :
 C02J3RE

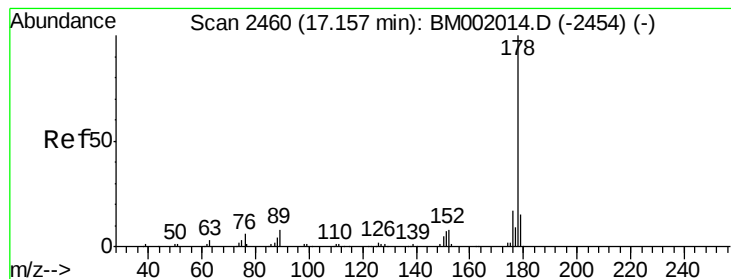
Tgt Ion:166 Resp: 38217
 Ion Ratio Lower Upper
 166 100
 165 97.5 76.7 115.1
 167 15.0 10.6 15.8



#69
 Phenanthrene
 Concen: 13.62 ng/ul
 RT: 17.07 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

Tgt Ion:178 Resp: 235517
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.1 18.1
 176 18.0 14.6 21.8





#71

Anthracene

Concen: 2.89 ng/ul

RT: 17.16 min Scan# 2461

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

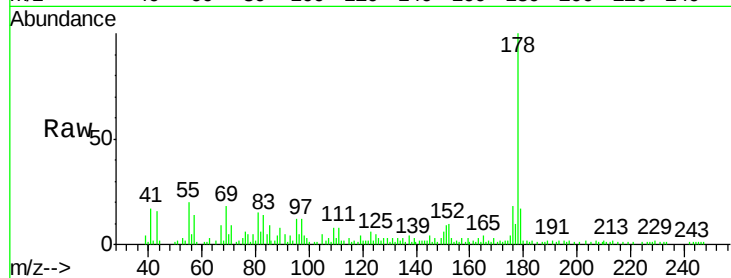
Tgt Ion:178 Resp: 51489

Ion Ratio Lower Upper

178 100

179 17.4 12.4 18.6

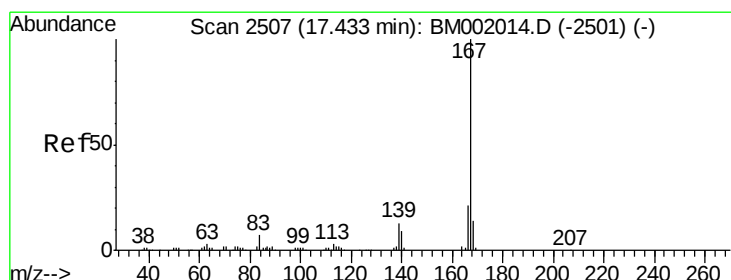
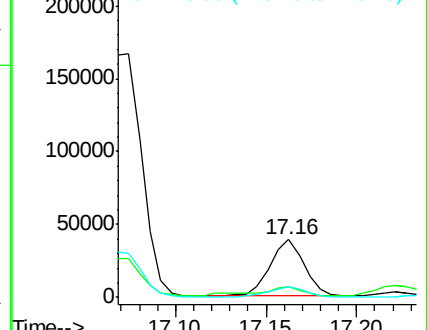
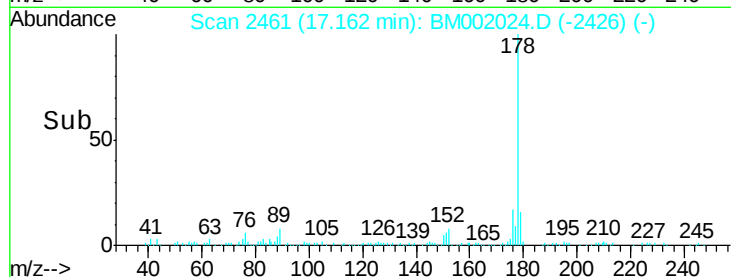
176 18.0 14.3 21.5



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



#74

Carbazole

Concen: 1.87 ng/ul

RT: 17.44 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

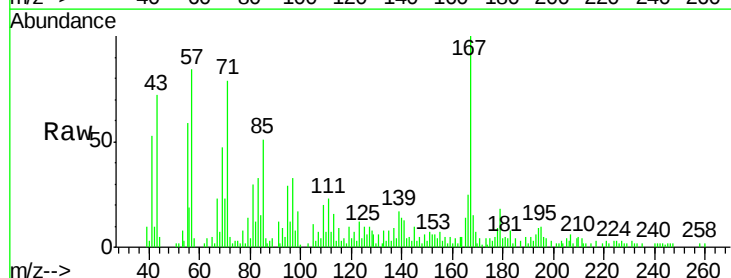
Tgt Ion:167 Resp: 28808

Ion Ratio Lower Upper

167 100

166 24.8 16.8 25.2

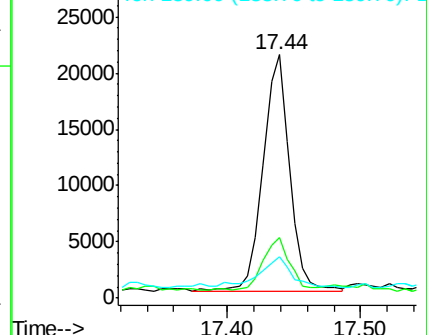
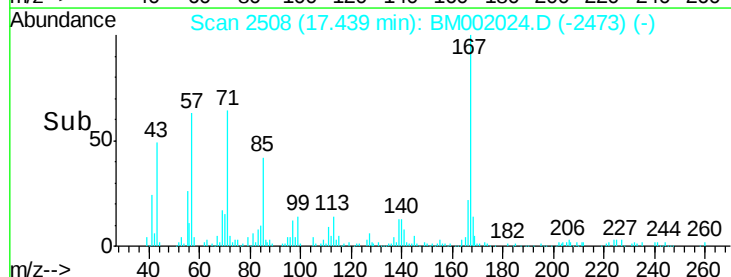
139 17.1 10.2 15.2#

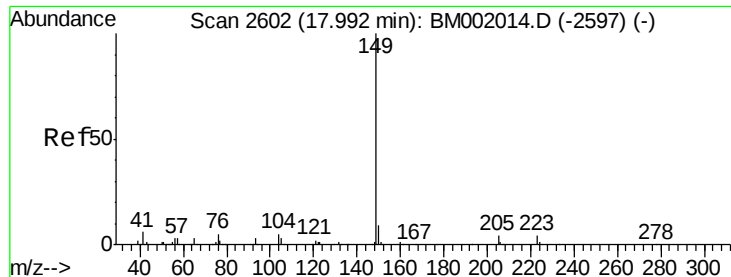


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Di-n-butylphthalate

Concen: 13.21 ng/ul

RT: 18.00 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

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ClientSampleId :

C02J3RE

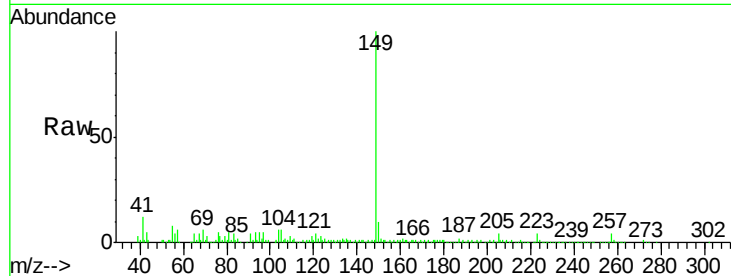
Tgt Ion:149 Resp: 245073

Ion Ratio Lower Upper

149 100

150 9.6 7.3 10.9

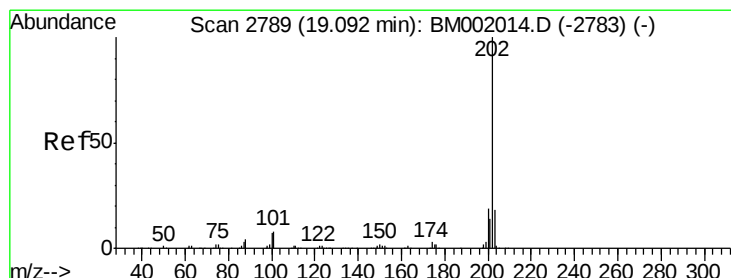
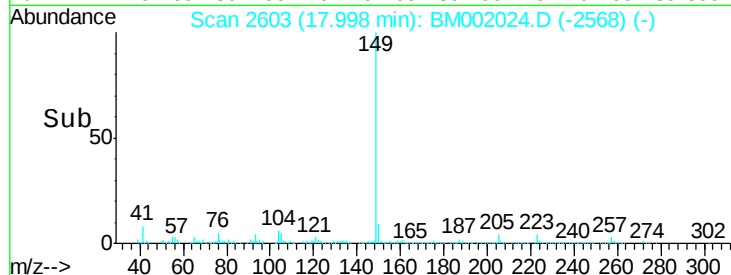
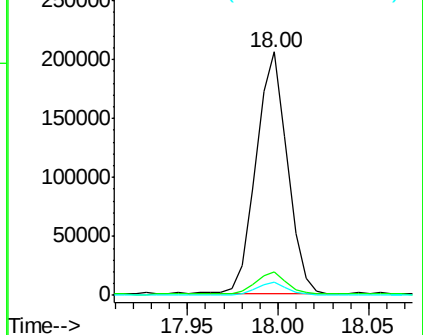
104 5.6 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 14.05 ng/ul

RT: 19.10 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

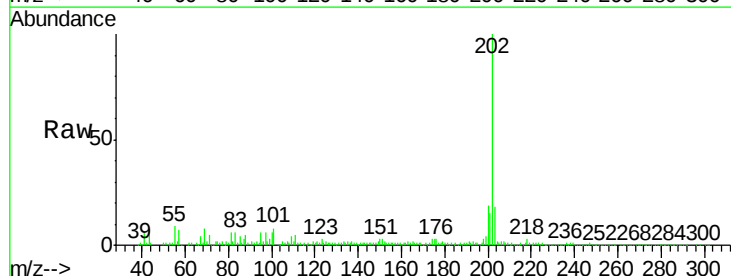
Tgt Ion:202 Resp: 283802

Ion Ratio Lower Upper

202 100

101 8.2 6.3 9.5

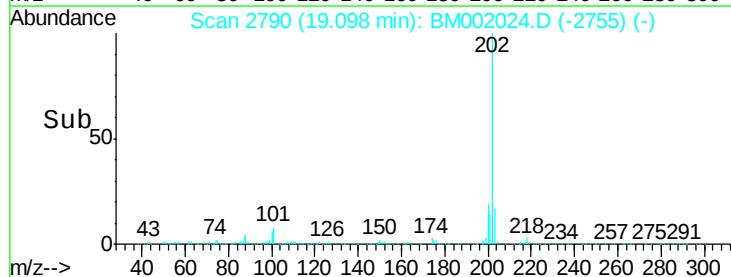
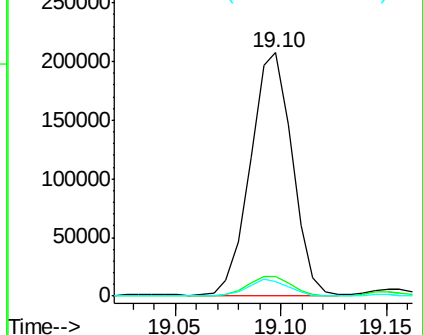
100 5.7 5.0 7.4

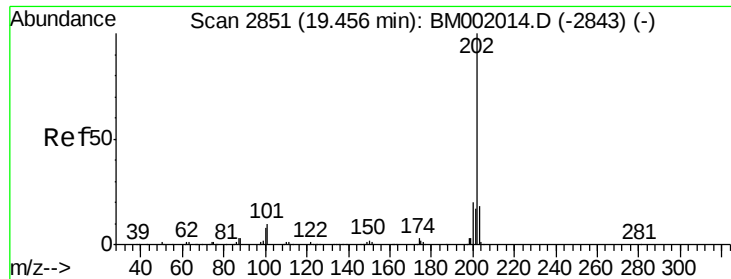


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 12.49 ng/ul

RT: 19.46 min Scan# 2852

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

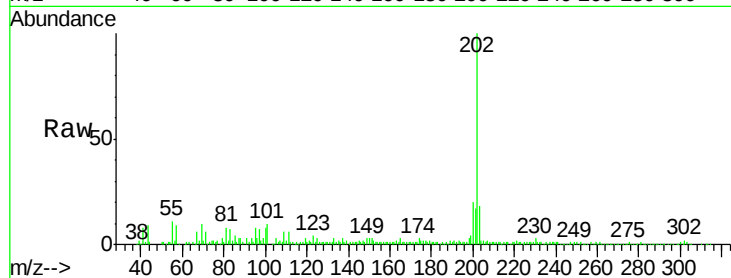
Tgt Ion:202 Resp: 267926

Ion Ratio Lower Upper

202 100

101 9.9 7.3 10.9

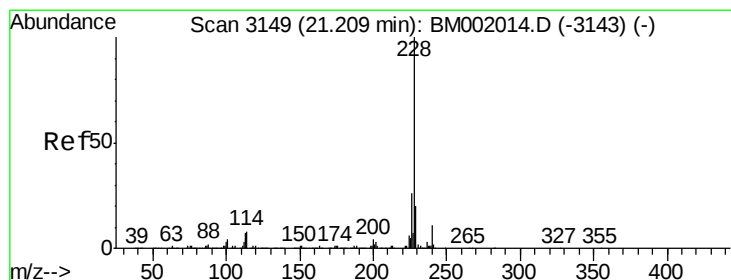
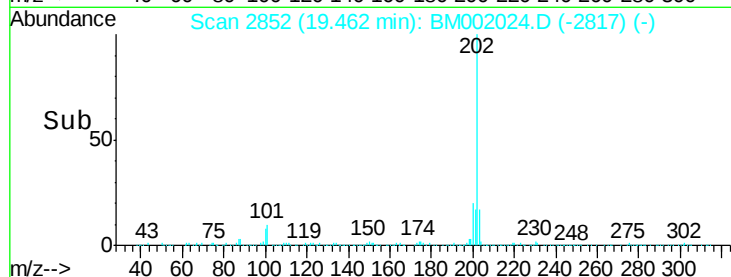
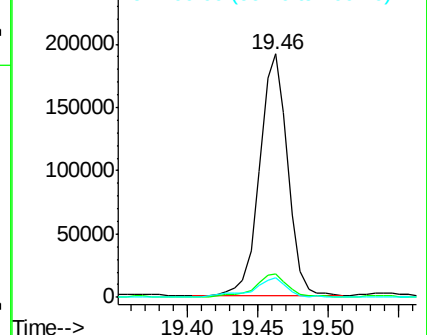
100 8.0 6.2 9.4



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



#82

Benzo(a)anthracene

Concen: 5.67 ng/ul

RT: 21.22 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

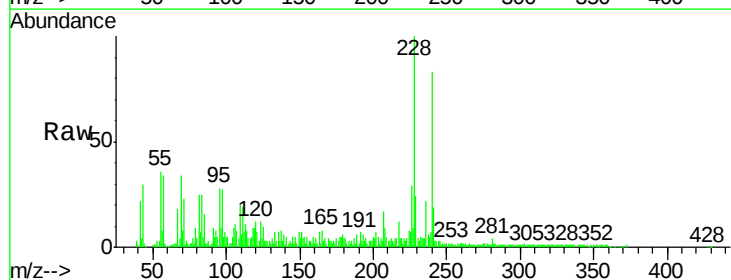
Tgt Ion:228 Resp: 120937

Ion Ratio Lower Upper

228 100

229 23.5 15.4 23.2#

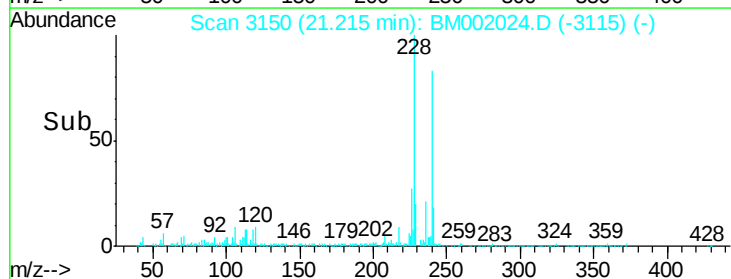
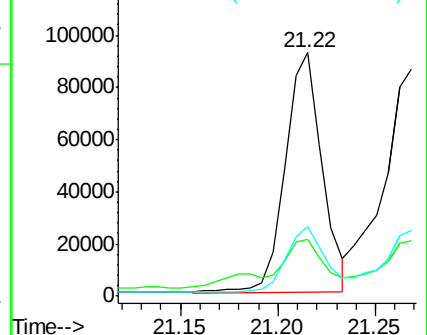
226 28.7 20.7 31.1

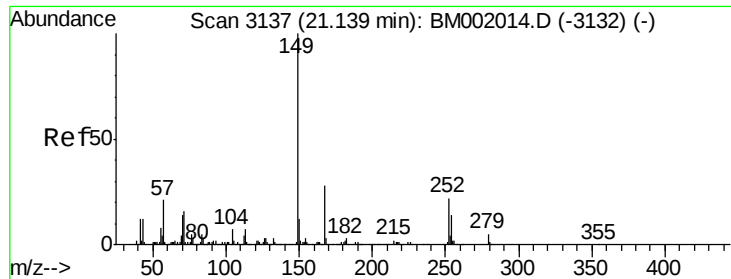


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

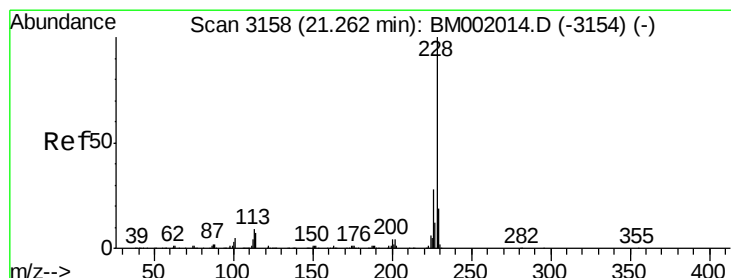
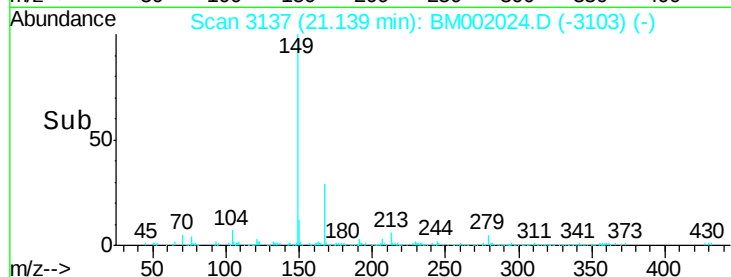
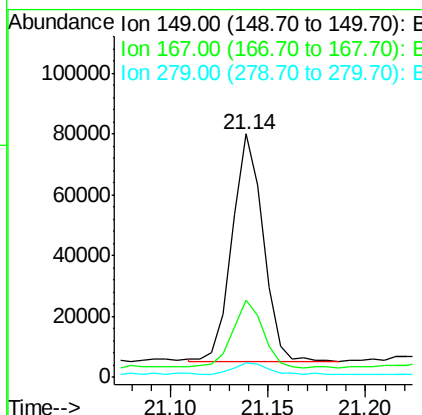
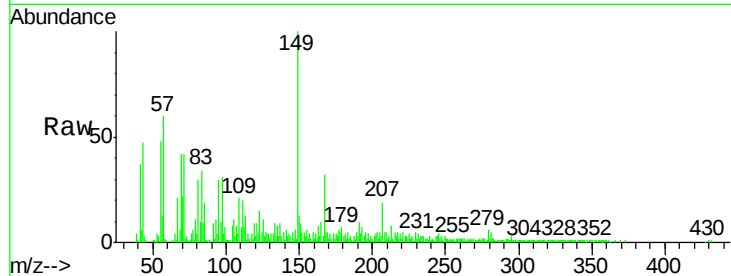




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.82 ng/ul
 RT: 21.14 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

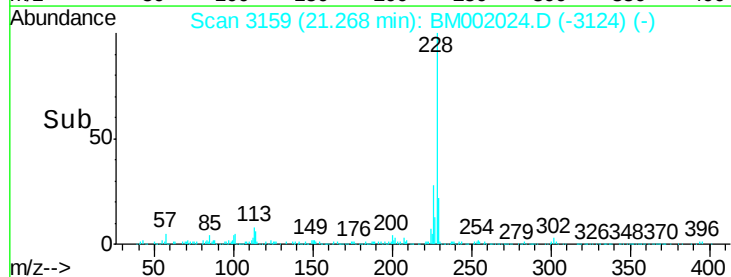
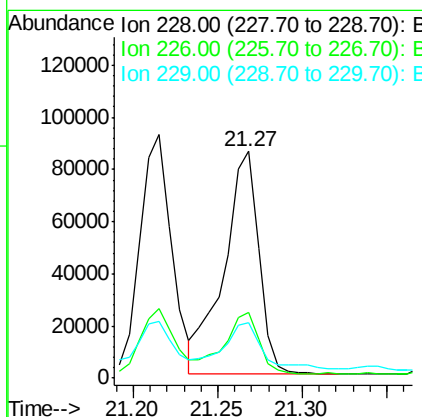
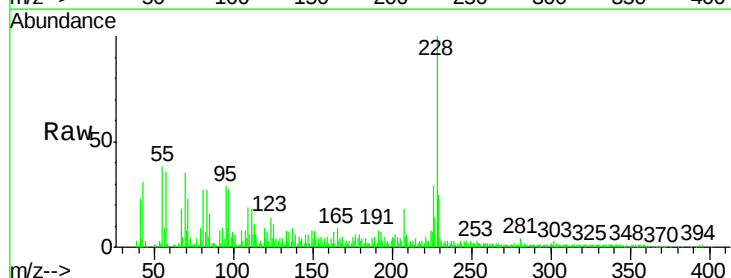
Instrument :
 BNA_M
 ClientSampleId :
 C02J3RE

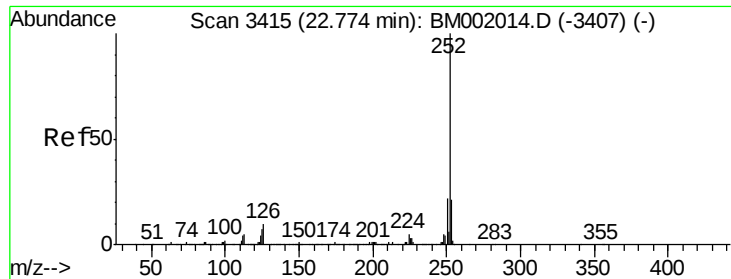
Tgt Ion:149 Resp: 81483
 Ion Ratio Lower Upper
 149 100
 167 31.7 23.2 34.8
 279 5.9 4.5 6.7



#84
 Chrysene
 Concen: 6.20 ng/ul
 RT: 21.27 min Scan# 3159
 Delta R.T. 0.01 min
 Lab File: BM002024.D
 Acq: 23 Jul 2015 19:49

Tgt Ion:228 Resp: 123894
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.0 34.4
 229 24.6 15.6 23.4#





#87

Benzo(b)fluoranthene

Concen: 7.37 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

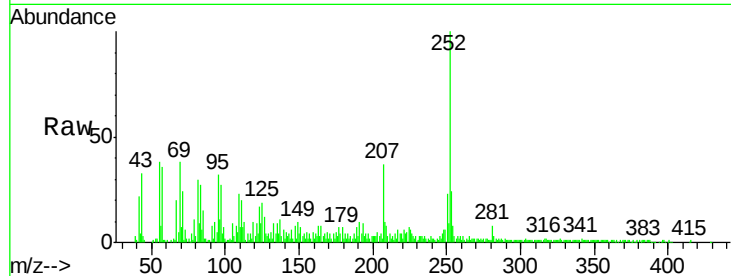
Tgt Ion:252 Resp: 164929

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

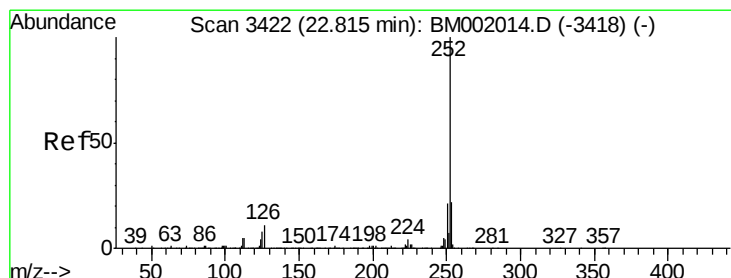
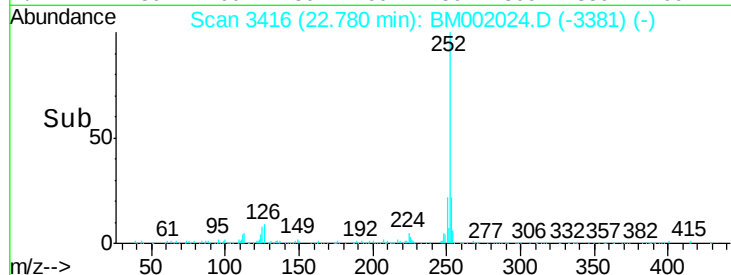
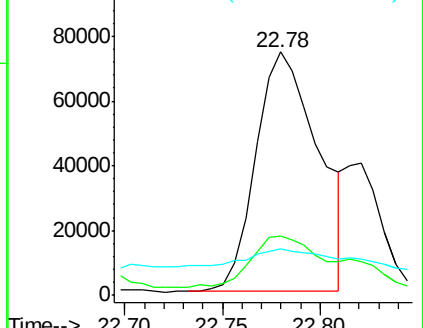
125 19.2 5.3 7.9#



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



#88

Benzo(k)fluoranthene

Concen: 4.12 ng/ul

RT: 22.78 min Scan# 3416

Delta R.T. -0.04 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

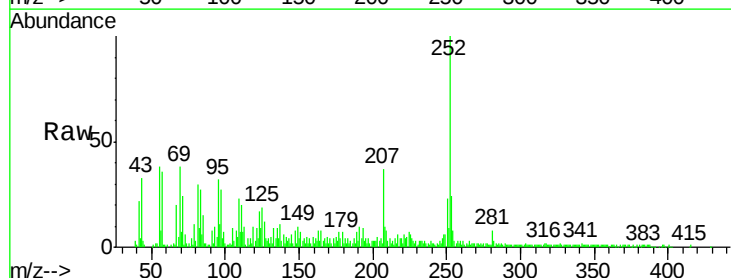
Tgt Ion:252 Resp: 88560

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

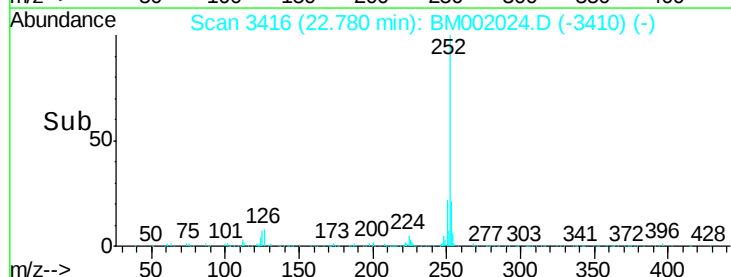
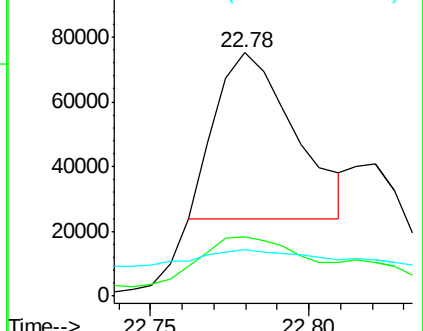
125 19.2 5.1 7.7#

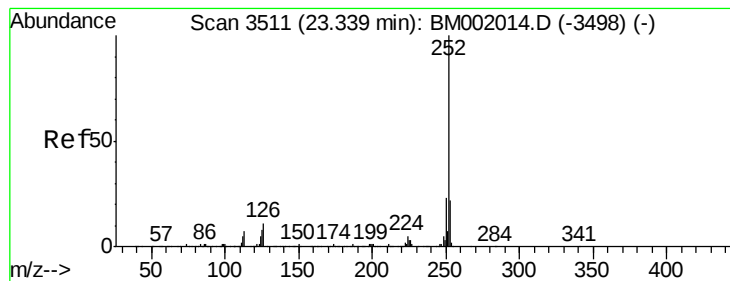


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.11 ng/ul

RT: 23.34 min Scan# 3512

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampleId :

C02J3RE

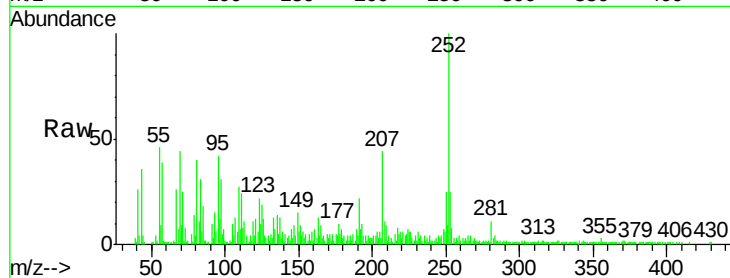
Tgt Ion:252 Resp: 107325

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 19.2 6.0 9.0#

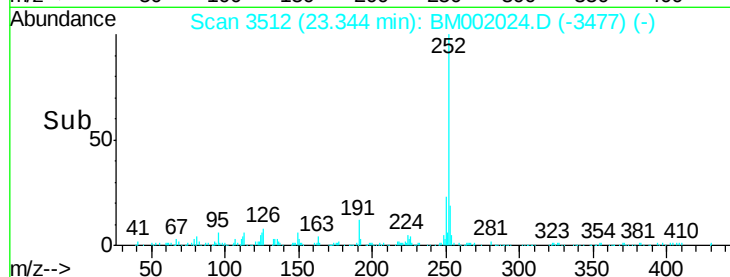


Abundance Ion 252.00 (251.70 to 252.70): E

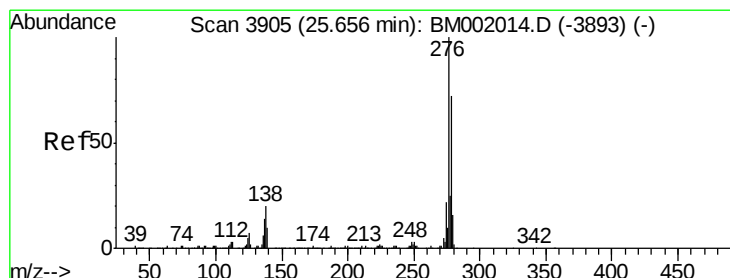
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.66 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

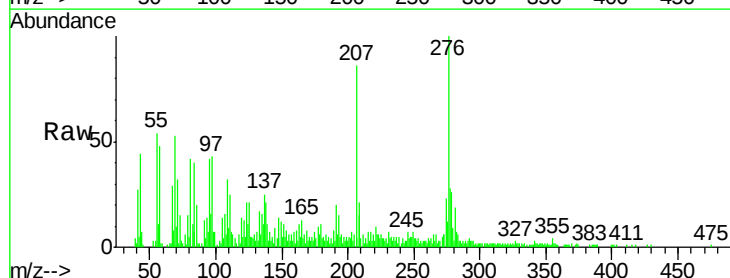
Tgt Ion:276 Resp: 80774

Ion Ratio Lower Upper

276 100

138 21.3 15.2 22.8

277 28.4 20.1 30.1

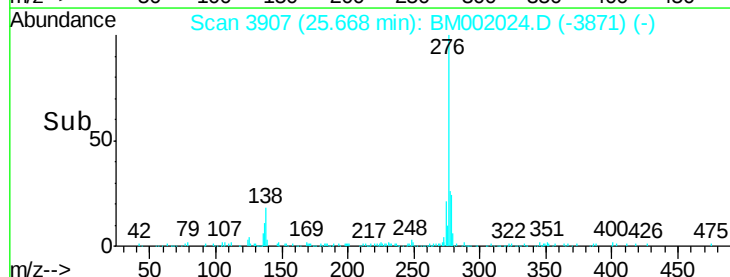


Abundance Ion 276.00 (275.70 to 276.70): E

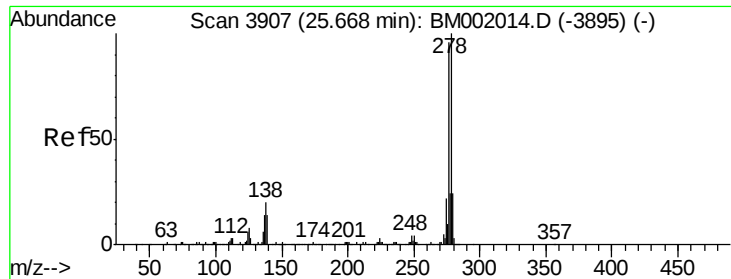
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Time-->



#92

Dibenzo(a,h)anthracene

Concen: 1.19 ng/ul

RT: 25.67 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

Instrument :

BNA_M

ClientSampled :

C02J3RE

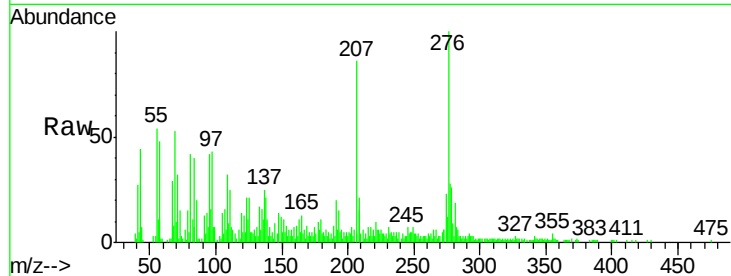
Tgt Ion:278 Resp: 22168

Ion Ratio Lower Upper

278 100

139 40.9 9.5 14.3#

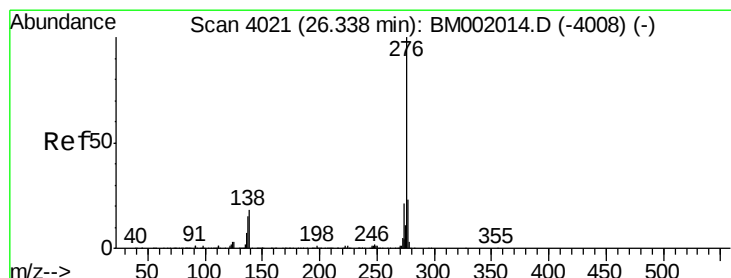
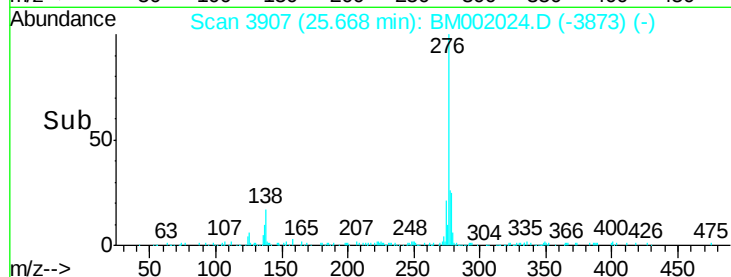
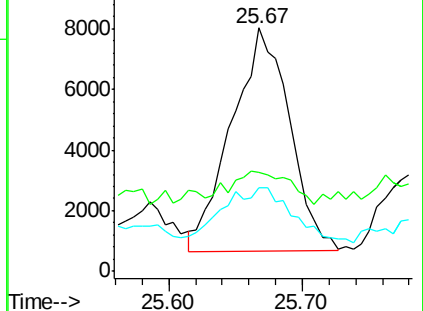
279 34.1 18.2 27.4#



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



#93

Benzo(g,h,i)perylene

Concen: 4.38 ng/ul

RT: 26.36 min Scan# 4024

Delta R.T. 0.02 min

Lab File: BM002024.D

Acq: 23 Jul 2015 19:49

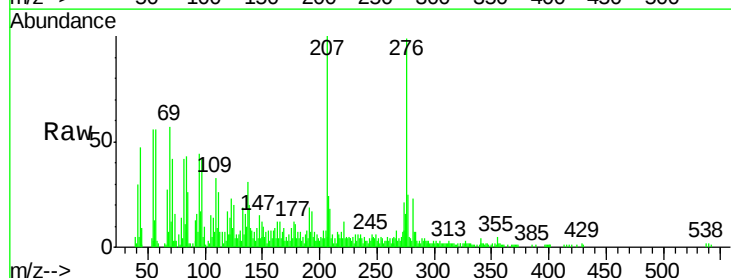
Tgt Ion:276 Resp: 79497

Ion Ratio Lower Upper

276 100

138 20.3 12.7 19.1#

277 25.5 18.6 28.0



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

