

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002771.D
 Acq On : 30 Sep 2015 06:34
 Operator : UM/IZ
 Sample : G3838-13MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Quant Time: Sep 30 07:22:25 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 30 06:48:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	85753	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	383176	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	192266	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	385723	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	395902	20.00	ng/ul	0.00
86) Perylene-d12	24.68	264	394725	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	8675	4.70	ng/uL	0.00
5) Phenol-d5	7.82	99	164802	25.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	104025	28.46	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	162062	26.80	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	127317	23.77	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	80338	27.49	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	85072	27.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	138511	25.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	176272	27.17	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	412496	28.52	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	544824	28.22	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	59304	23.09	ng/ul	0.00
58) Fluorene-d10	16.27	176	358704	27.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	39297	20.89	ng/ul	0.00
71) Anthracene-d10	18.10	188	517142	28.09	ng/ul	0.00
79) Pyrene-d10	20.33	212	520201	28.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	573811	28.42	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.82	77	5684	1.56 ng/ul	98
6) Phenol	7.84	94	173594	25.85 ng/ul	100
10) 2-Chlorophenol	8.25	128	154924	25.24 ng/ul	99
15) N-Nitroso-di-n-propylamine	9.50	70	98280	25.93 ng/ul	99
33) 4-Chloro-3-methylphenol	12.77	107	143364	26.38 ng/ul	99
45) Dimethylphthalate	14.72	163	164155	11.16 ng/ul	100
50) Acenaphthene	15.36	153	341261	25.38 ng/ul	99
53) 4-Nitrophenol	15.47	109	39947	27.46 ng/ul	97
55) 2,4-Dinitrotoluene	15.64	165	108801	25.60 ng/ul	99
67) Hexachlorobenzene	17.32	284	13504	2.96 ng/ul	99
69) Pentachlorophenol	17.65	266	47630	27.32 ng/ul	97
70) Phenanthrene	18.04	178	103094	4.62 ng/ul	99
72) Anthracene	18.14	178	23258	1.02 ng/ul	98
77) Fluoranthene	20.00	202	245300	10.65 ng/ul	99
80) Pyrene	20.36	202	849719	33.79 ng/ul	98
83) Benzo(a)anthracene	22.07	228	115651	4.91 ng/ul	99
85) Chrysene	22.13	228	128614	5.79 ng/ul	97
88) Benzo(b)fluoranthene	23.89	252	171256	7.22 ng/ul	98
91) Benzo(a)pyrene	24.57	252	116927	5.13 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.40	276	86455	3.25 ng/ul	93
94) Benzo(a,h,i)perylene	28.25	276	88977	3.98 ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 30 06:48:30 2015
Response via : Initial Calibration

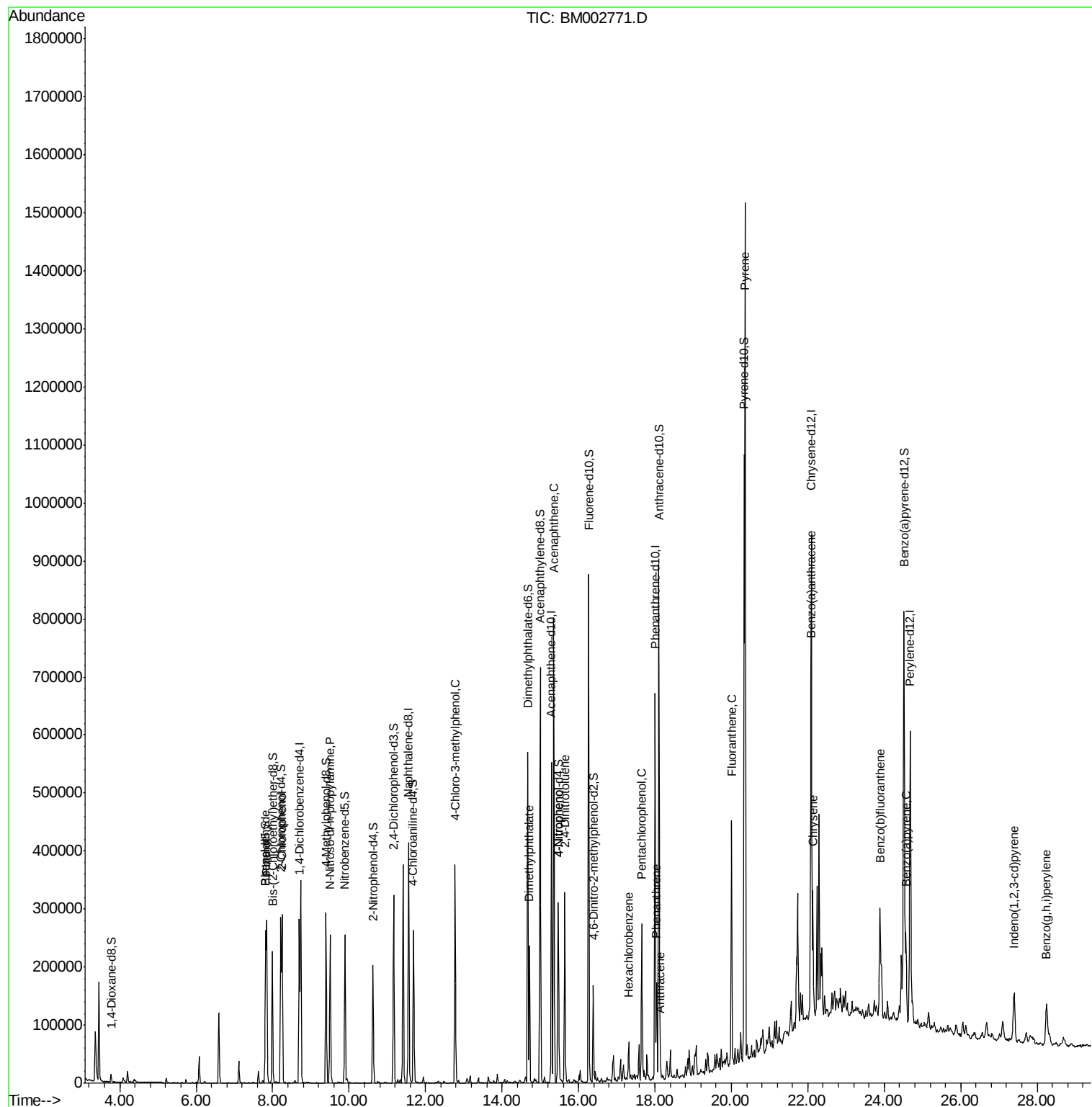
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

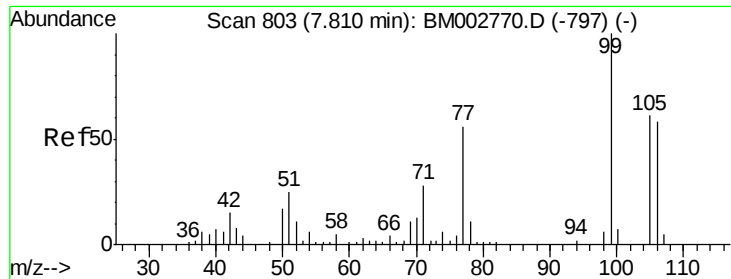
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#4

Benzaldehyde

Concen: 1.56 ng/ul

RT: 7.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

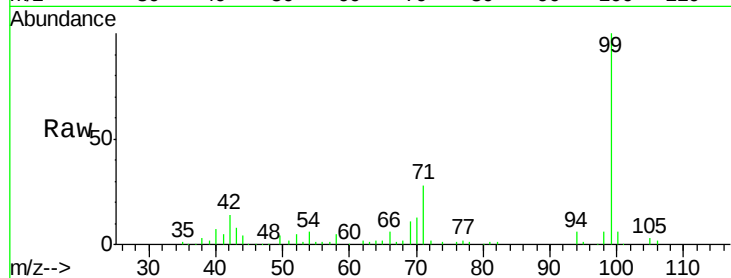
Tot Ion: 77 Resp: 5684

Ion Ratio Lower Upper

77 100

105 108.2 86.2 129.2

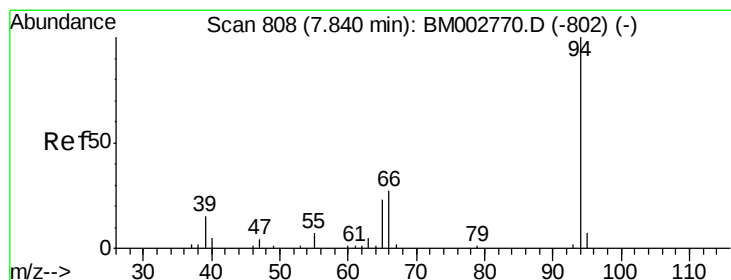
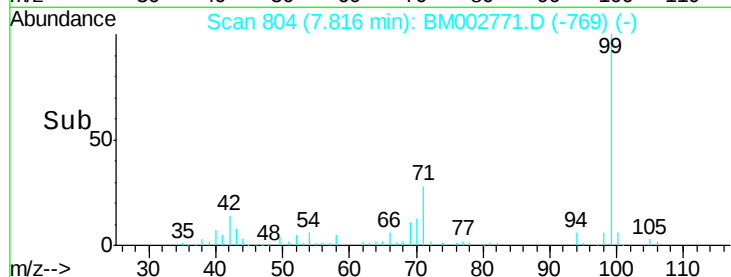
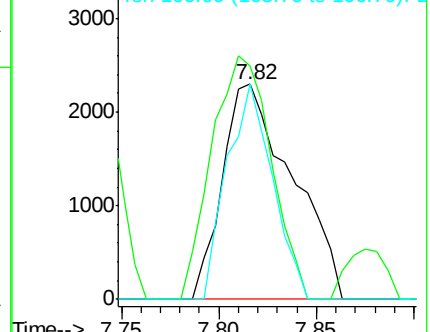
106 100.2 82.5 123.7



Abundance Ion 77.00 (76.70 to 77.70): BM002771.D (-769) (-)

Ion 105.00 (104.70 to 105.70): BM002771.D (-769) (-)

Ion 106.00 (105.70 to 106.70): BM002771.D (-769) (-)



#6

Phenol

Concen: 25.85 ng/ul

RT: 7.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

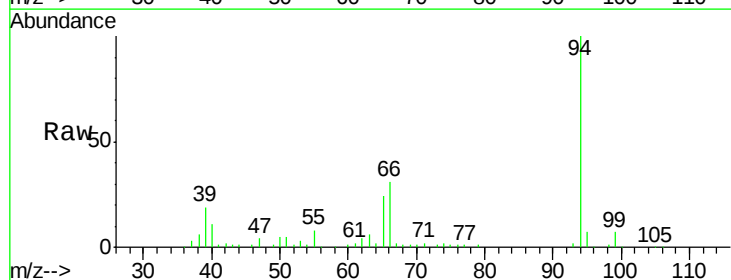
Tgt Ion: 94 Resp: 173594

Ion Ratio Lower Upper

94 100

65 24.0 19.4 29.2

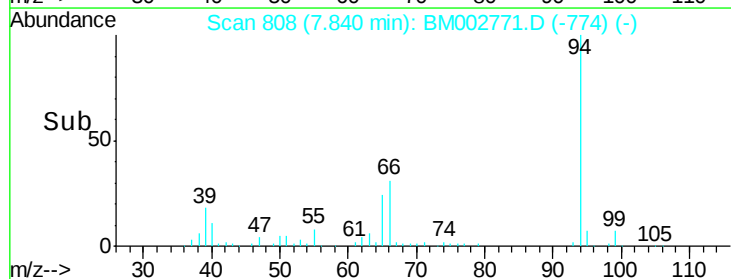
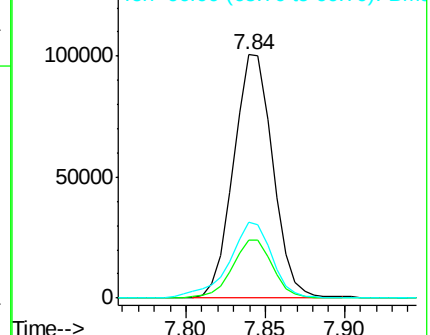
66 31.3 25.2 37.8

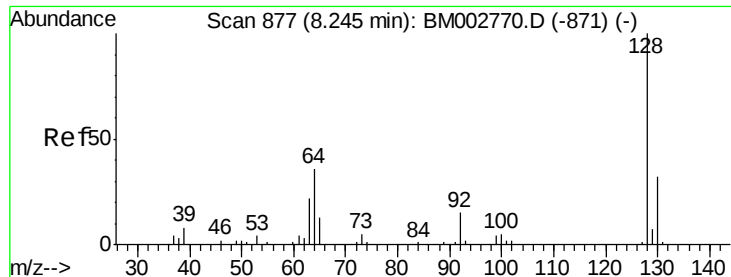


Abundance Ion 94.00 (93.70 to 94.70): BM002771.D (-774) (-)

Ion 65.00 (64.70 to 65.70): BM002771.D (-774) (-)

Ion 66.00 (65.70 to 66.70): BM002771.D (-774) (-)

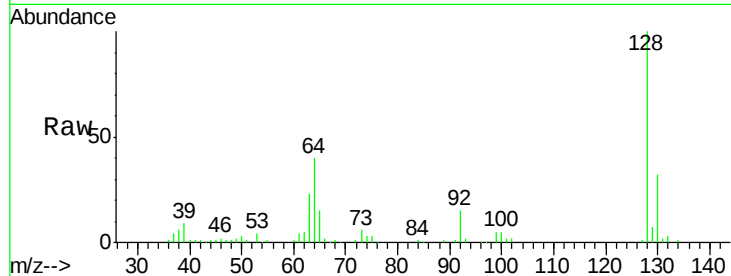




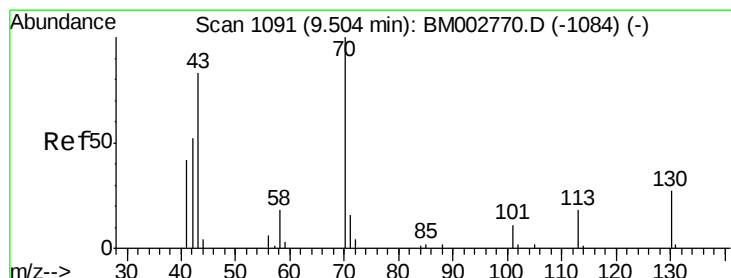
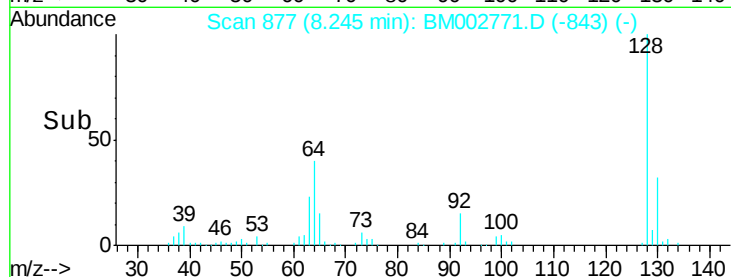
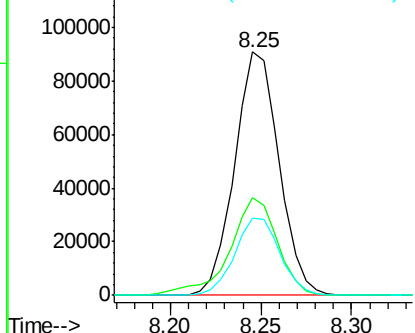
#10
2-Chlorophenol
Concen: 25.24 ng/ul
RT: 8.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Instrument :
BNA_M
ClientSampleId :
E5MX0MS

Tot Ion:128 Resp: 154924
Ion Ratio Lower Upper
128 100
64 39.9 32.1 48.1
130 31.6 25.8 38.6

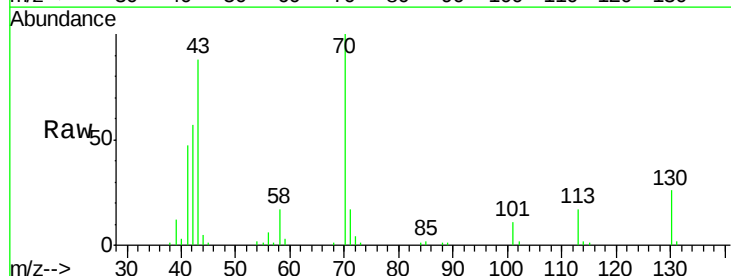


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 130.00 (129.70 to 130.70): E

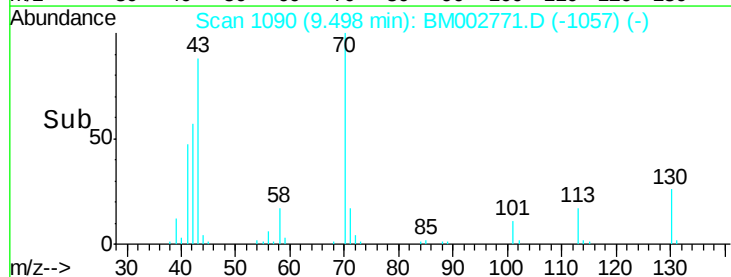
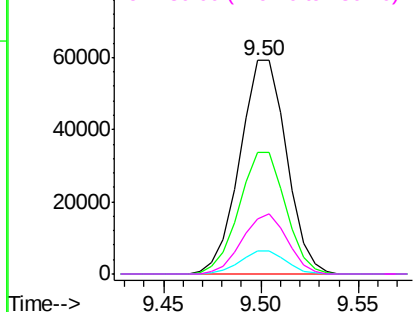


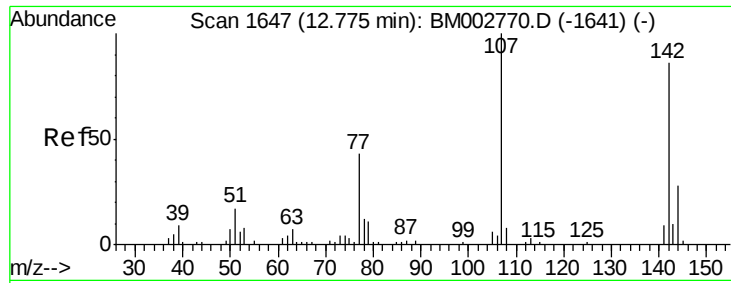
#15
N-Nitroso-di-n-propylamine
Concen: 25.93 ng/ul
RT: 9.50 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion: 70 Resp: 98280
Ion Ratio Lower Upper
70 100
42 57.0 45.2 67.8
101 10.8 9.1 13.7
130 26.0 22.2 33.2



Abundance Ion 70.00 (69.70 to 70.70): BM
Ion 42.00 (41.70 to 42.70): BM
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

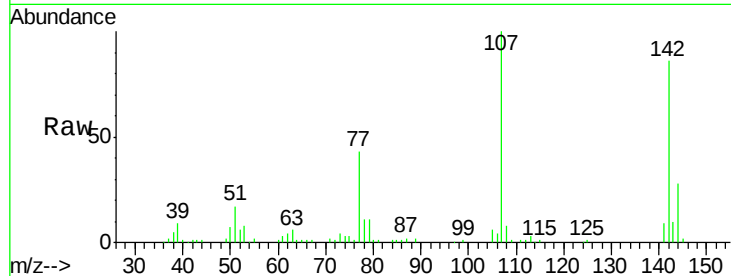




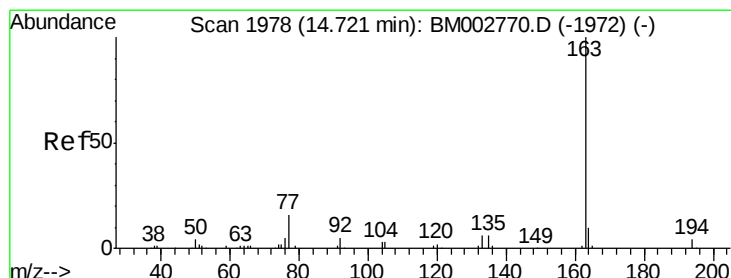
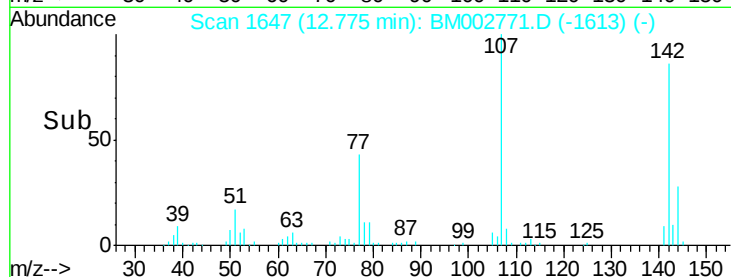
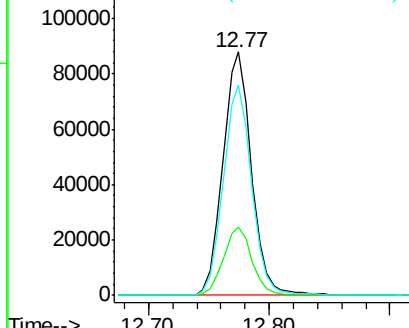
#33
 4-Chloro-3-methylphenol
 Concen: 26.38 ng/ul
 RT: 12.77 min Scan# 1647
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Tot Ion:107 Resp: 143364
 Ion Ratio Lower Upper
 107 100
 144 27.9 21.9 32.9
 142 86.5 69.8 104.8

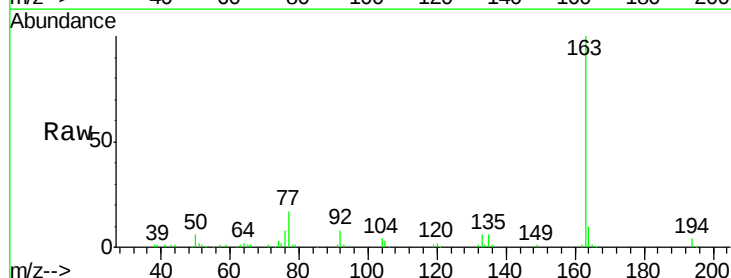


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

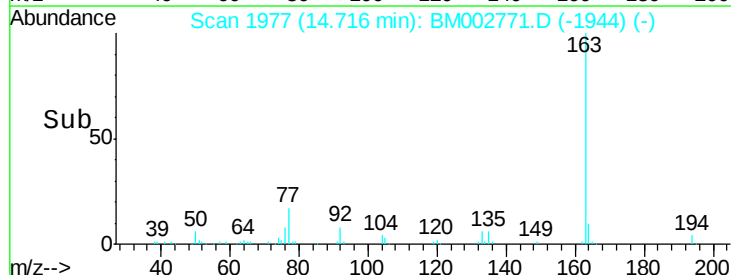
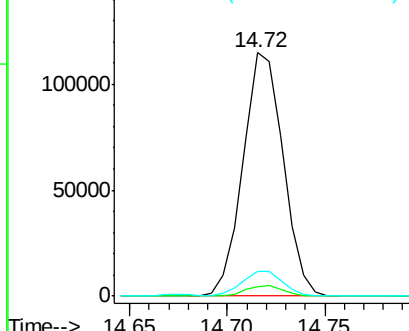


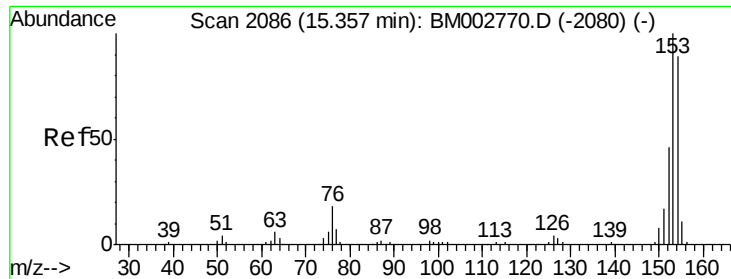
#45
 Dimethylphthalate
 Concen: 11.16 ng/ul
 RT: 14.72 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion:163 Resp: 164155
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.2 4.8
 164 10.2 8.1 12.1



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





#50

Acenaphthene

Concen: 25.38 ng/ul

RT: 15.36 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

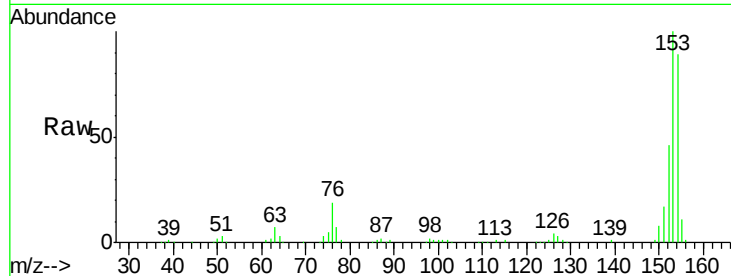
Tot Ion:153 Resp: 341261

Ion Ratio Lower Upper

153 100

152 46.2 37.2 55.8

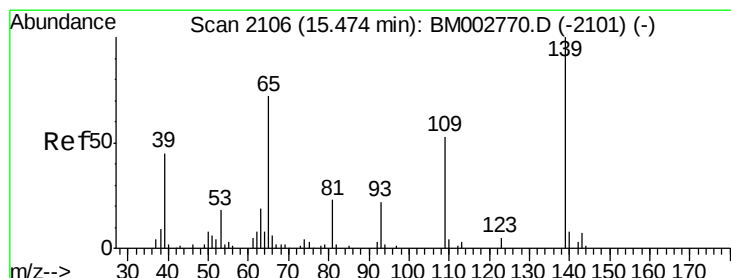
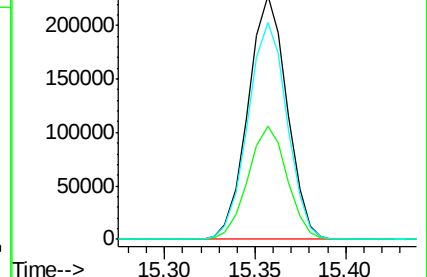
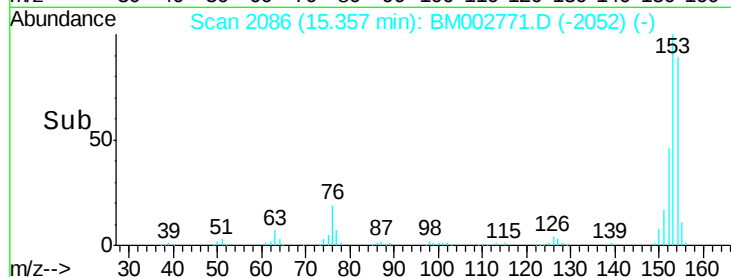
154 88.8 71.9 107.9



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

4-Nitrophenol

Concen: 27.46 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

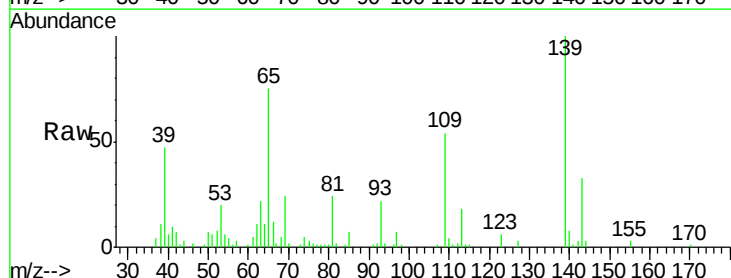
Tgt Ion:109 Resp: 39947

Ion Ratio Lower Upper

109 100

139 184.6 143.4 215.2

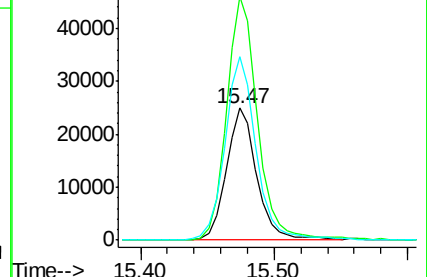
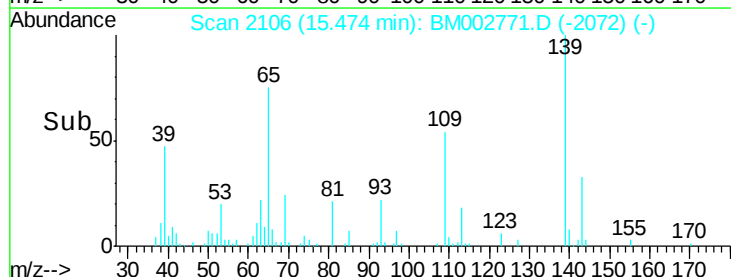
65 139.3 110.3 165.5

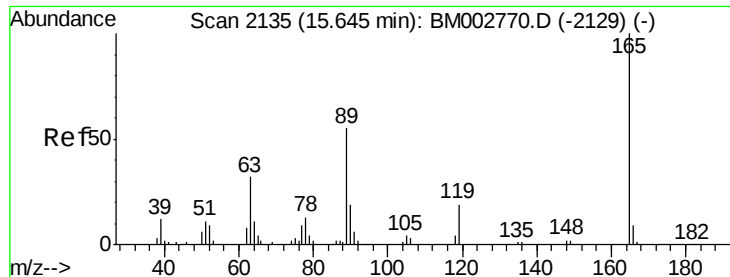


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

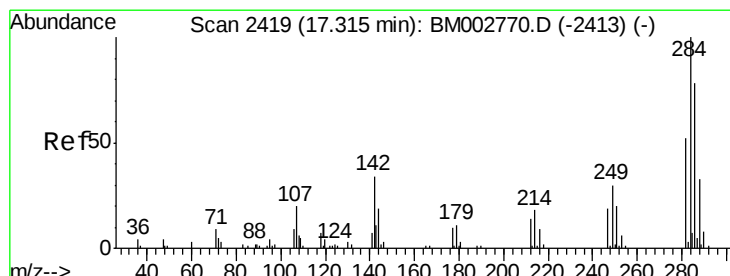
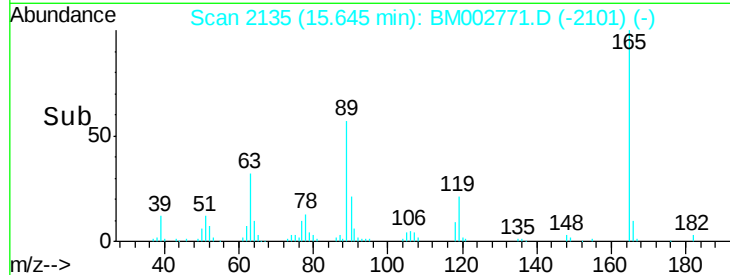
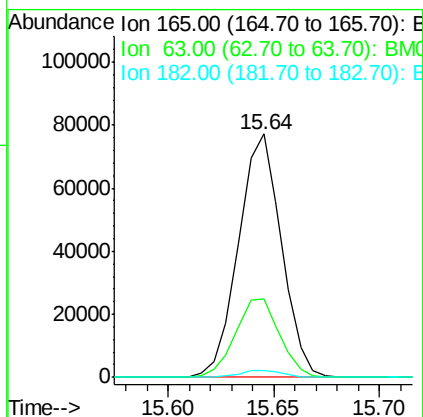
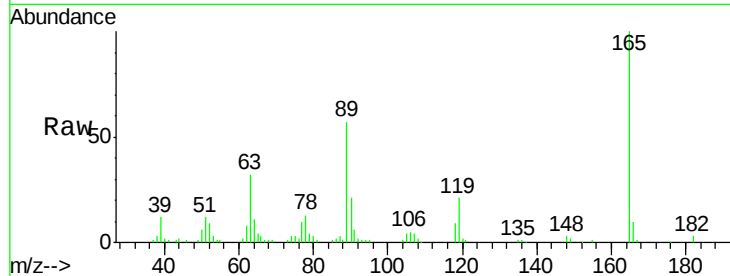




#55
 2,4-Dinitrotoluene
 Concen: 25.60 ng/ul
 RT: 15.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

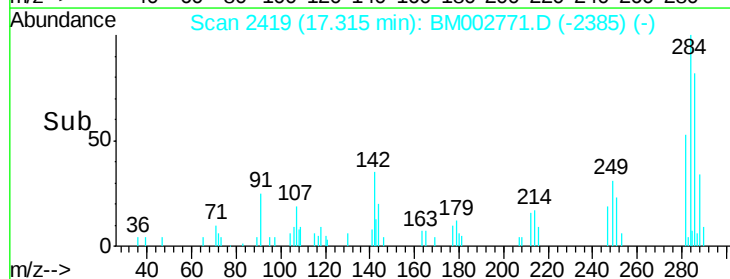
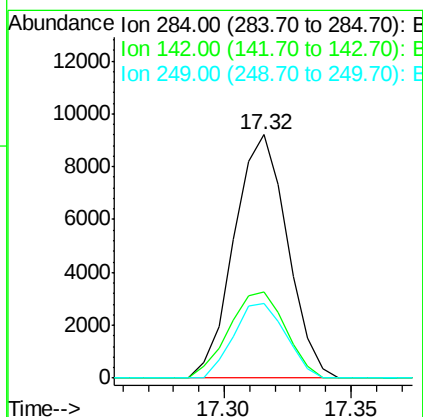
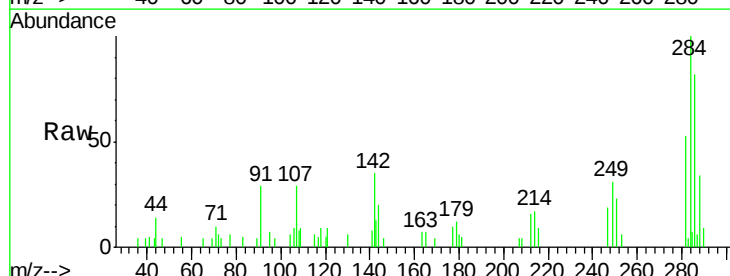
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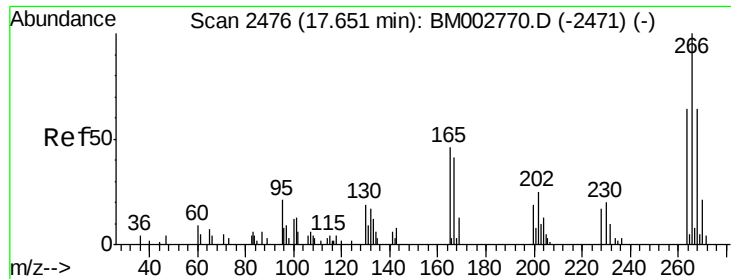
Tot Ion:165 Resp: 108801
 Ion Ratio Lower Upper
 165 100
 63 32.1 25.4 38.2
 182 2.8 2.6 3.8



#67
 Hexachlorobenzene
 Concen: 2.96 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion:284 Resp: 13504
 Ion Ratio Lower Upper
 284 100
 142 35.5 27.5 41.3
 249 30.8 24.2 36.2





#69

Pentachlorophenol

Concen: 27.32 ng/ul

RT: 17.65 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

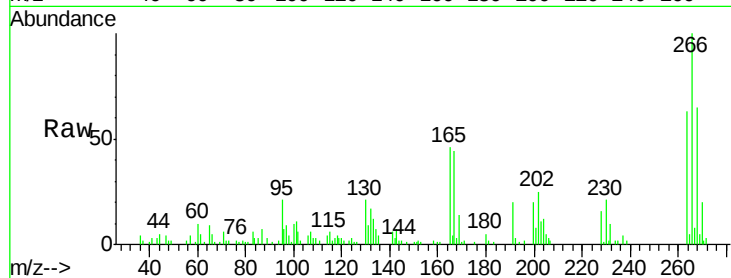
Tot Ion:266 Resp: 47630

Ion Ratio Lower Upper

266 100

264 63.1 49.4 74.2

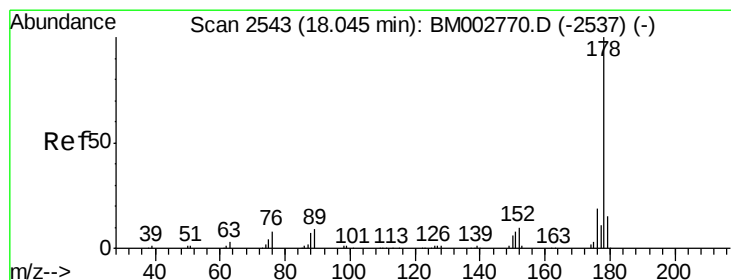
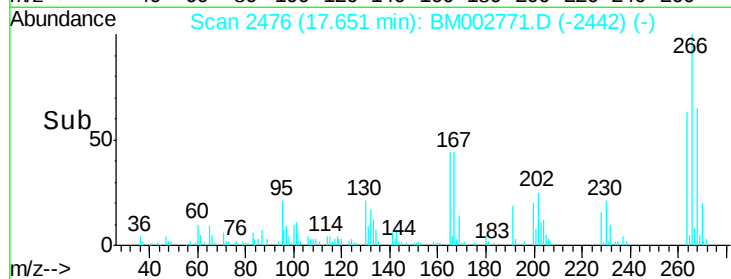
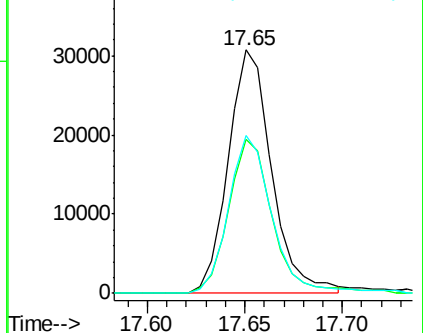
268 65.1 49.1 73.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70

Phenanthrene

Concen: 4.62 ng/ul

RT: 18.04 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

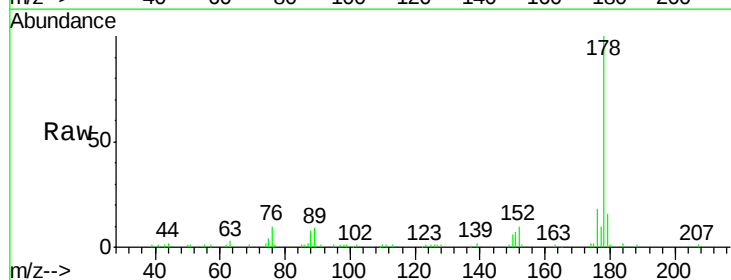
Tgt Ion:178 Resp: 103094

Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

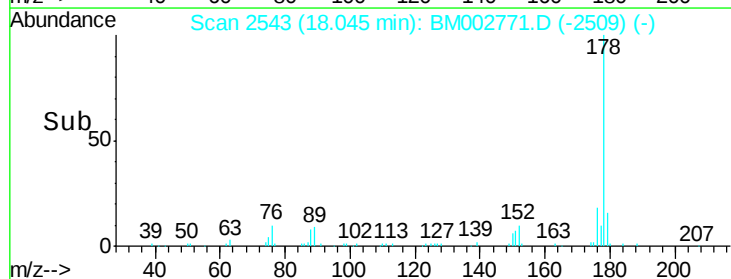
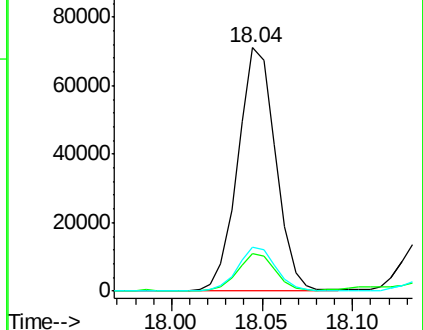
176 18.2 14.6 22.0

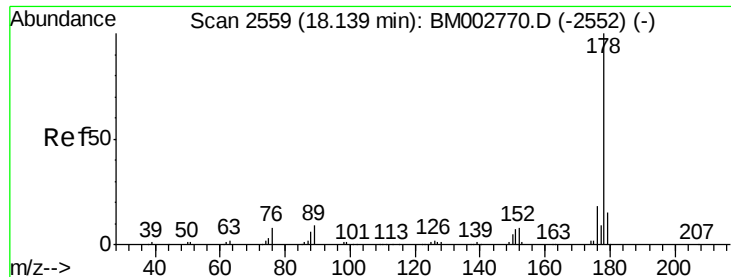


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.02 ng/ul

RT: 18.14 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

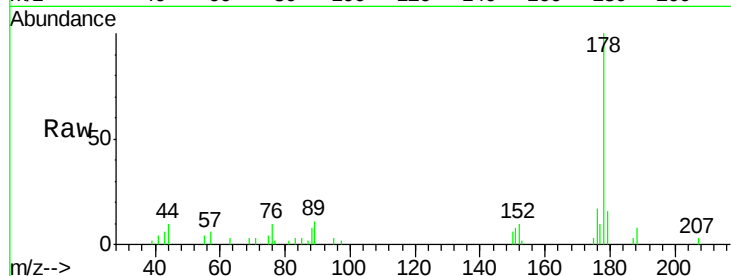
Tot Ion:178 Resp: 23258

Ion Ratio Lower Upper

178 100

179 16.4 11.9 17.9

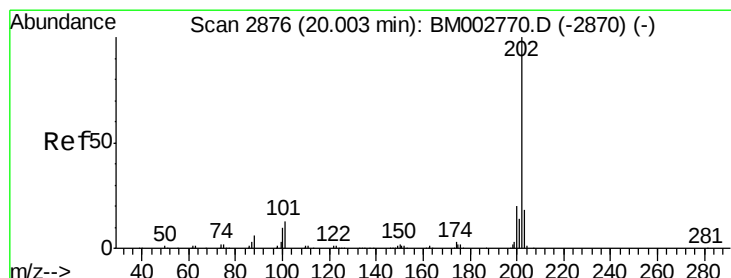
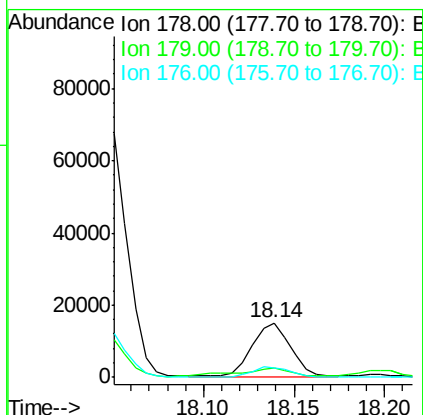
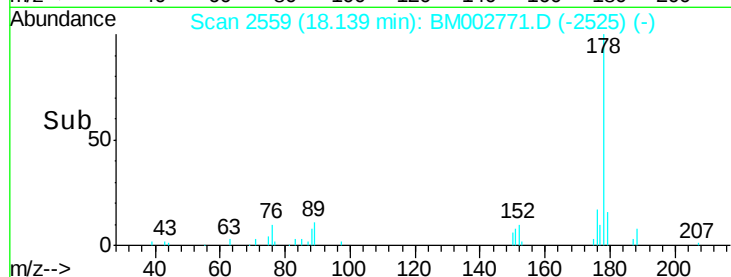
176 17.5 14.4 21.6



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



#77

Fluoranthene

Concen: 10.65 ng/ul

RT: 20.00 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

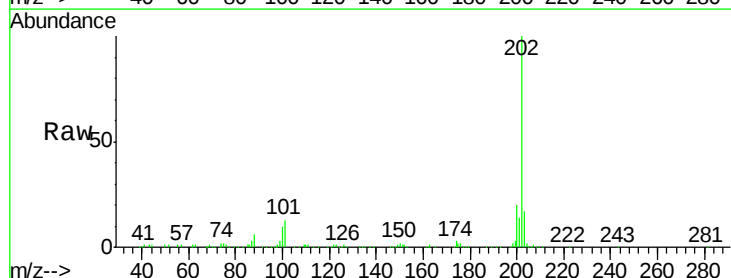
Tgt Ion:202 Resp: 245300

Ion Ratio Lower Upper

202 100

101 13.0 11.0 16.4

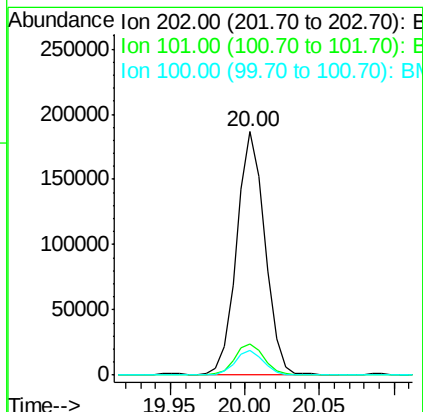
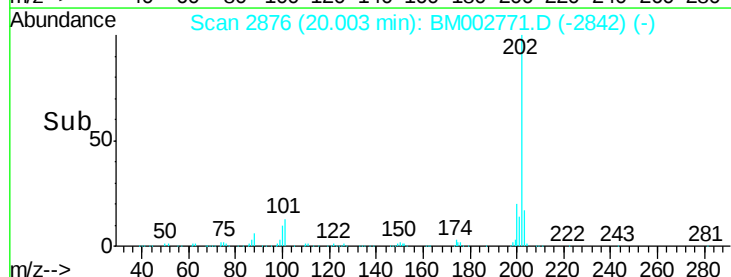
100 10.2 8.3 12.5

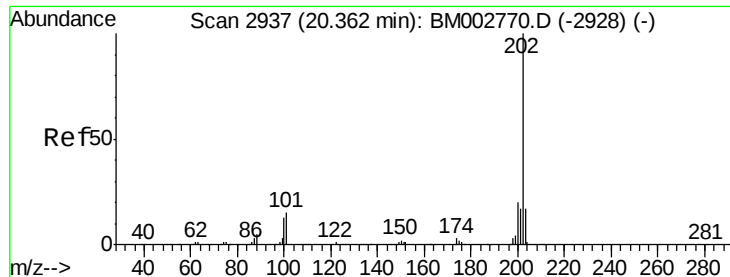


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

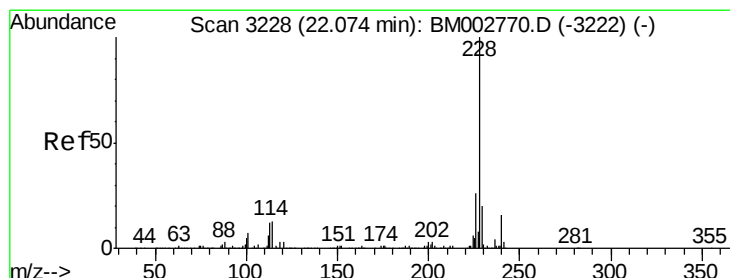
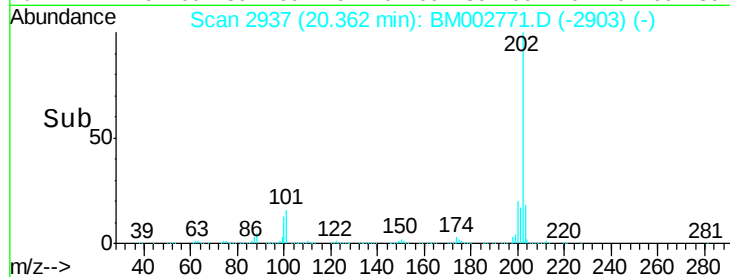
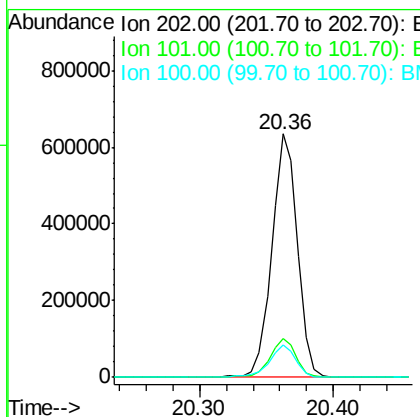
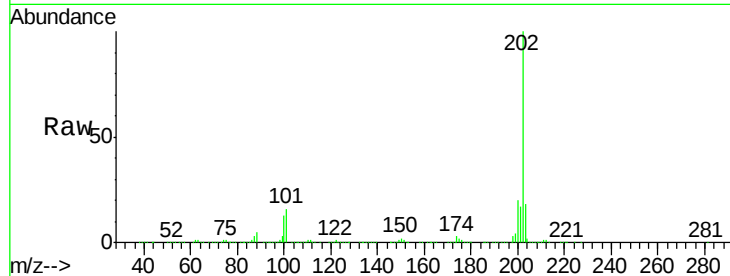




#80
Pvrene
Concen: 33.79 ng/ul
RT: 20.36 min Scan# 2937
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

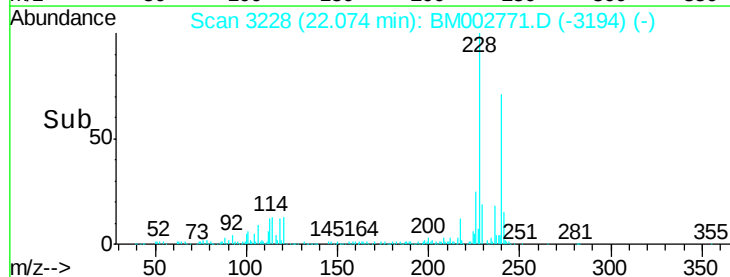
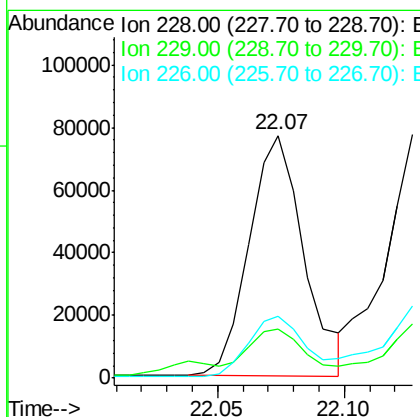
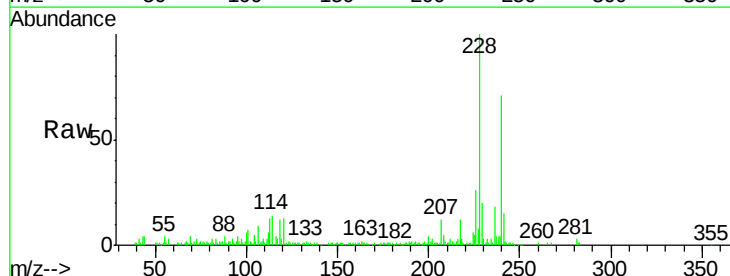
Instrument :
BNA_M
ClientSampleId :
E5MX0MS

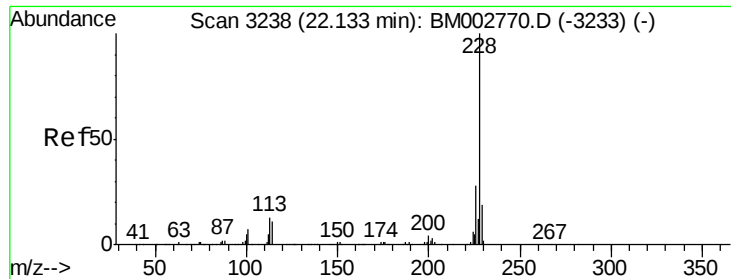
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.2	12.1	18.1
100	13.1	10.2	15.4



#83
Benzo(a)anthracene
Concen: 4.91 ng/ul
RT: 22.07 min Scan# 3228
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.1	24.1
226	25.7	20.9	31.3

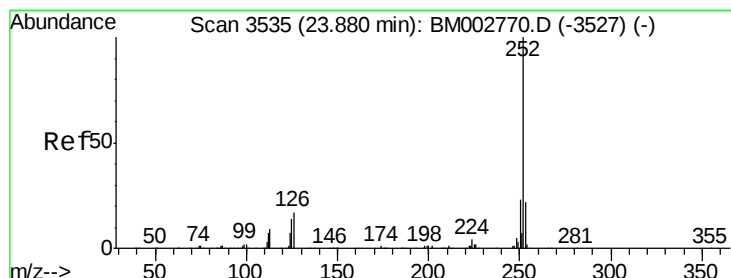
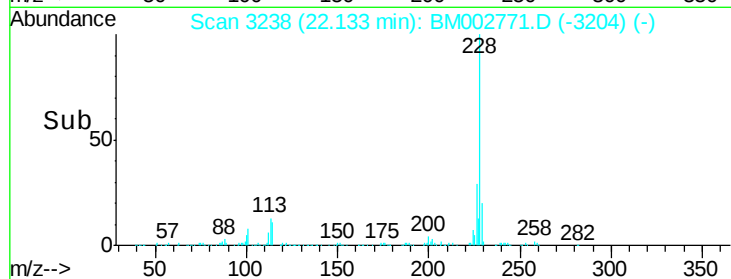
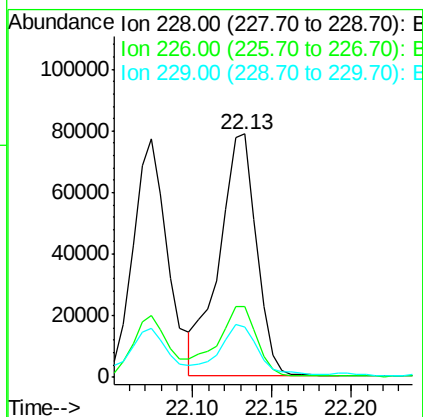
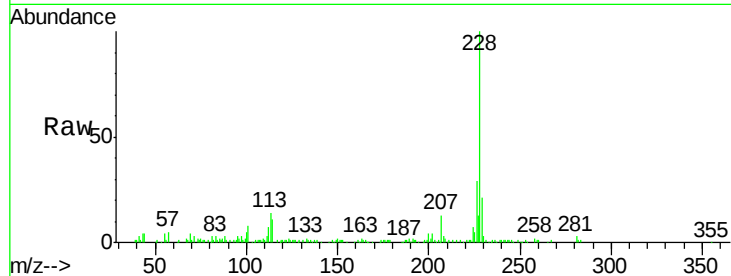




#85
 Chrvsene
 Concen: 5.79 ng/ul
 RT: 22.13 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

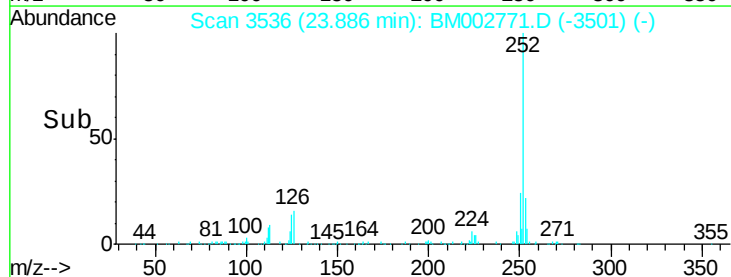
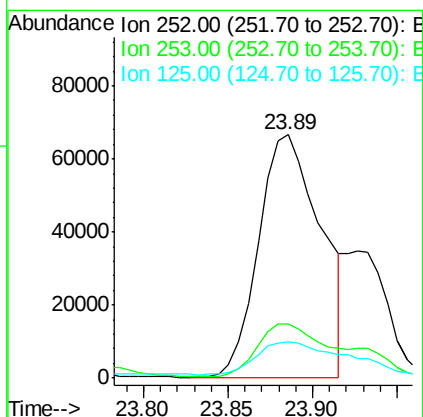
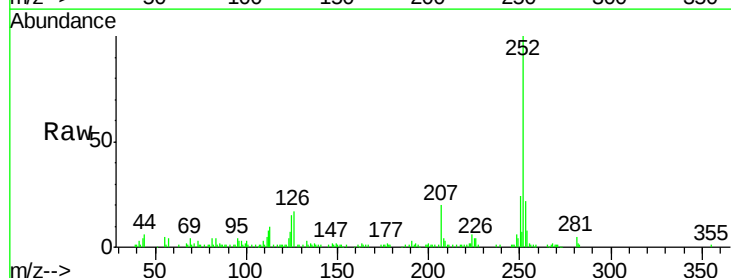
Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

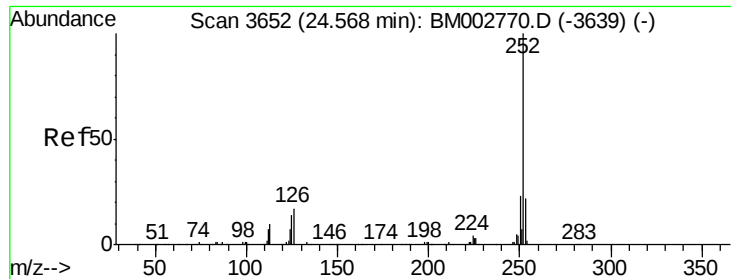
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	20.8	15.4	23.2



#88
 Benzo(b)fluoranthene
 Concen: 7.22 ng/ul
 RT: 23.89 min Scan# 3536
 Delta R.T. 0.01 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	15.1	10.6	15.8





#91

Benzo(a)pyrene

Concen: 5.13 ng/ul

RT: 24.57 min Scan# 3652

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

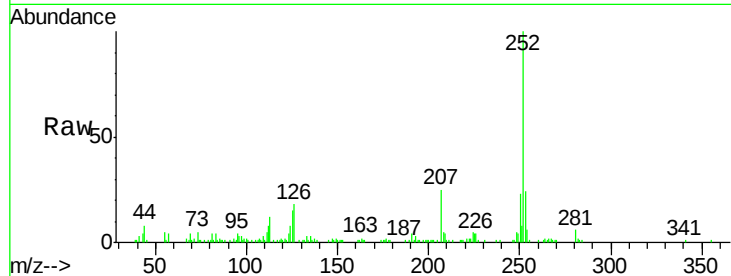
Tot Ion:252 Resp: 116927

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

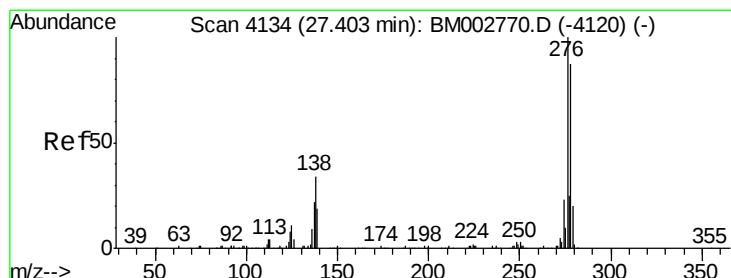
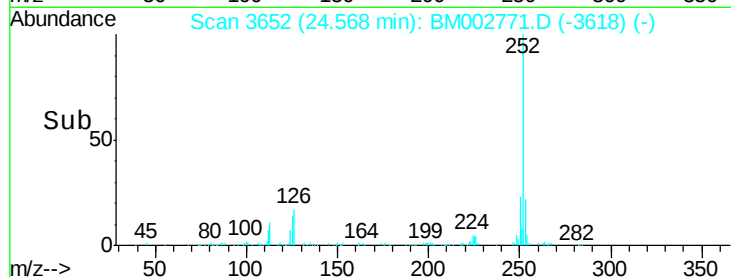
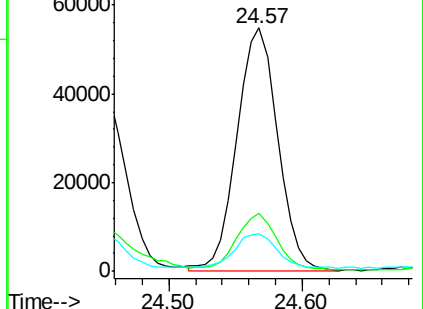
125 15.3 11.4 17.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.25 ng/ul

RT: 27.40 min Scan# 4133

Delta R.T. -0.01 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

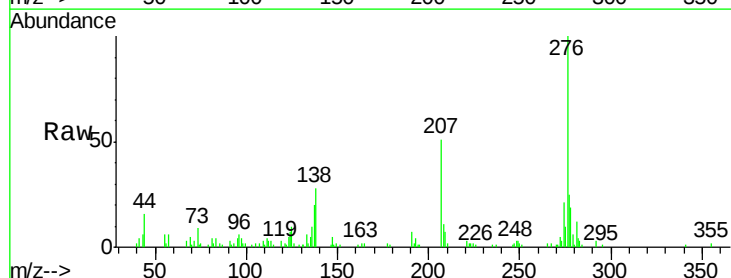
Tgt Ion:276 Resp: 86455

Ion Ratio Lower Upper

276 100

138 27.8 27.7 41.5

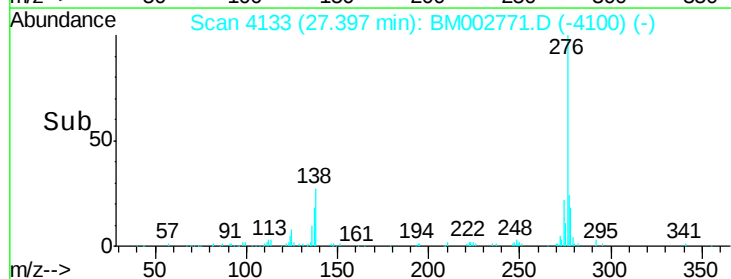
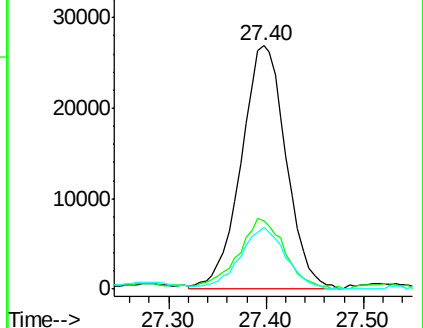
277 25.3 20.2 30.4

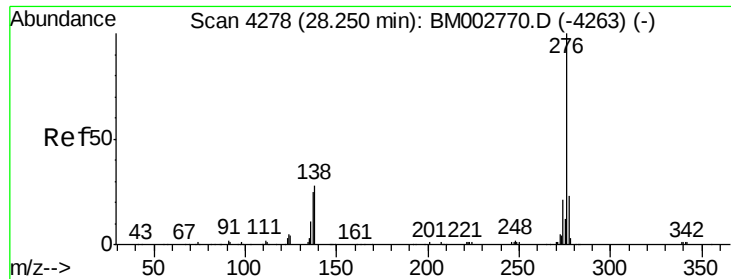


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 3.98 ng/ul

RT: 28.25 min Scan# 4278

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

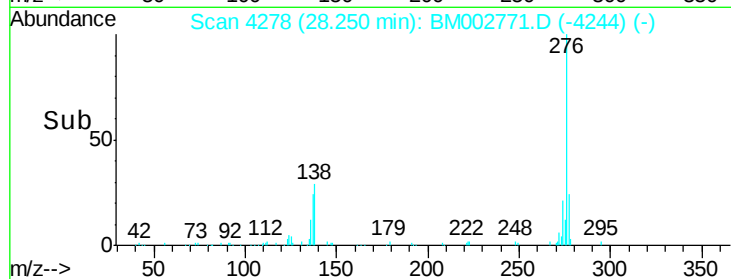
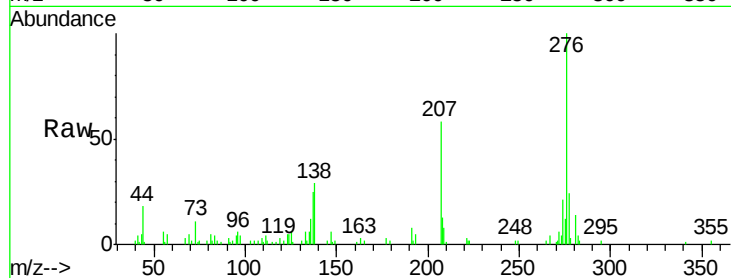
Tot Ion: 276 Resp: 88977

Ion Ratio Lower Upper

276 100

138 29.0 21.8 32.8

277 23.6 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

