

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002785.D
 Acq On : 30 Sep 2015 15:06
 Operator : UM/IZ
 Sample : G3838-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX4

Quant Time: Sep 30 15:38:19 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	107009	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	446037	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	214820	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	417063	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	426710	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	438672	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	7619	3.31	ng/uL	0.00
5) Phenol-d5	7.82	99	138625	17.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	93004	20.39	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	142000	18.82	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	104331	15.61	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	70467	20.72	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	71119	20.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	118841	18.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	82548	10.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	347721	21.52	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	458664	21.27	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	35411	12.34	ng/ul	0.01
58) Fluorene-d10	16.27	176	299354	20.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	15787	7.76	ng/ul	0.00
71) Anthracene-d10	18.11	188	425160	21.36	ng/ul	0.00
79) Pyrene-d10	20.34	212	426082	21.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	474237	21.13	ng/ul	0.01

Target Compounds

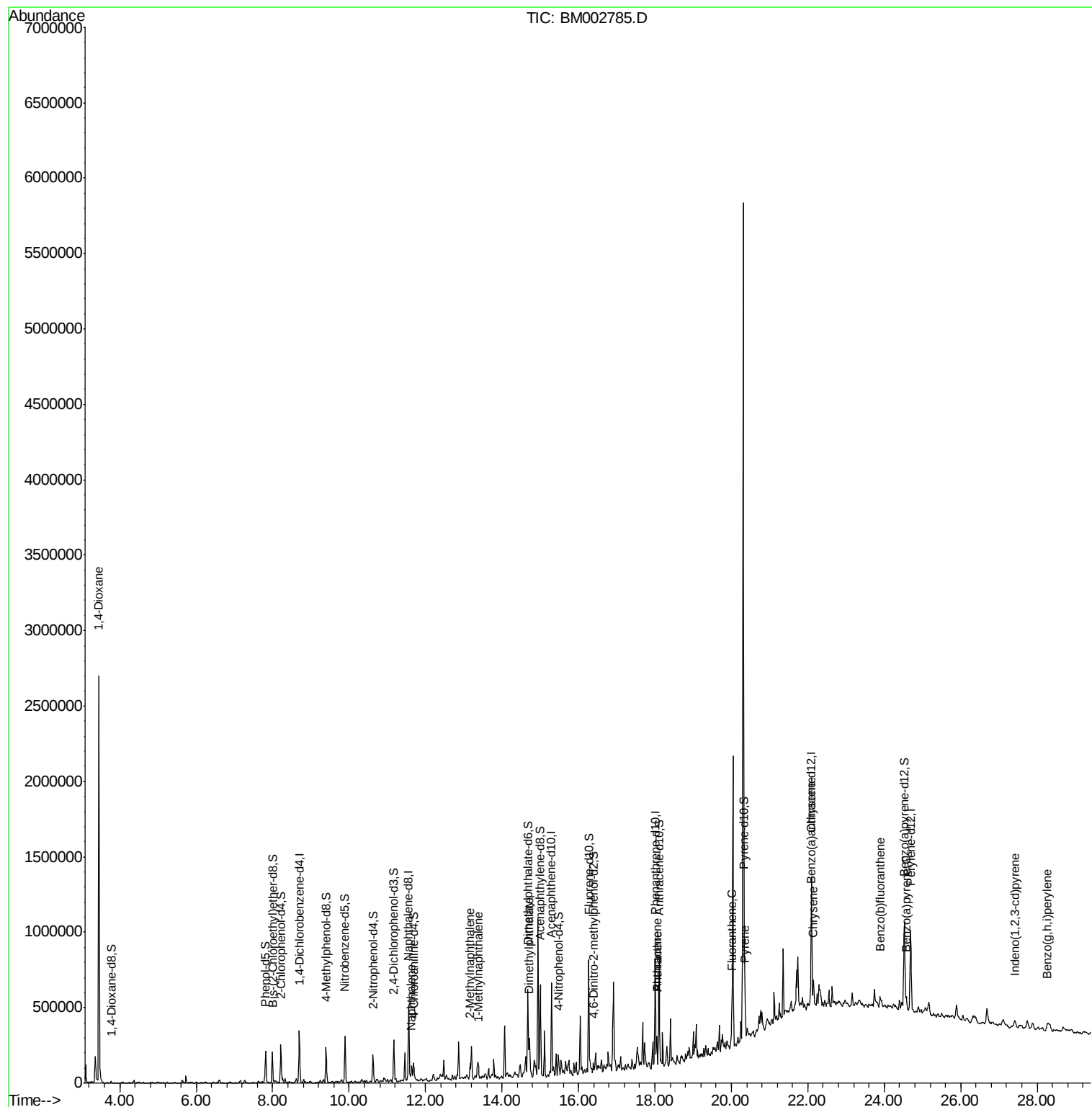
						Qvalue
2) 1,4-Dioxane	3.45	88	22459	8.81	ng/uL#	1
28) Naphthalene	11.61	128	27496	1.21	ng/ul	97
34) 2-Methylnaphthalene	13.17	142	52733	3.33	ng/ul	98
35) 1-Methylnaphthalene	13.38	142	39145	2.54	ng/ul	99
45) Dimethylphthalate	14.72	163	136541	8.31	ng/ul	100
70) Phenanthrene	18.05	178	121201	5.02	ng/ul	98
72) Anthracene	18.05	178	121290	4.94	ng/ul	98
77) Fluoranthene	20.01	202	110231	4.43	ng/ul	99
80) Pyrene	20.37	202	108699	4.01	ng/ul	96
83) Benzo(a)anthracene	22.08	228	59311	2.34	ng/ul	94
85) Chrysene	22.13	228	58330	2.44	ng/ul#	91
88) Benzo(b)fluoranthene	23.89	252	70036	2.66	ng/ul#	81
91) Benzo(a)pyrene	24.58	252	47503	1.88	ng/ul#	79
92) Indeno(1,2,3-cd)pyrene	27.41	276	33900	1.15	ng/ul	98
94) Benzo(g,h,i)perylene	28.27	276	33363	1.34	ng/ul#	79

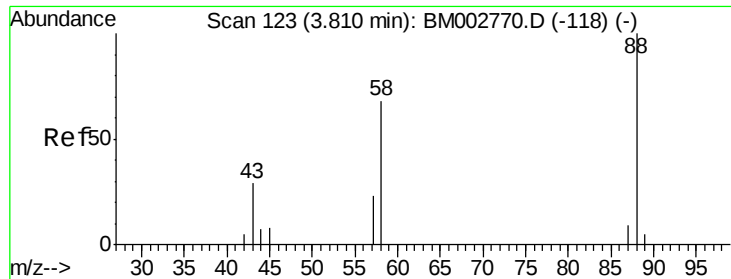
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 8.81 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.36 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

Instrument :

BNA_M

ClientSampleId :

E5MX4

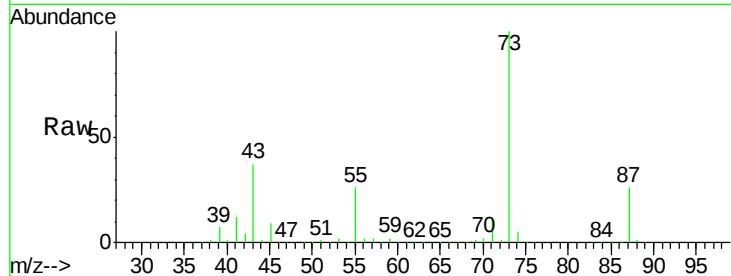
Tgt Ion: 88 Resp: 22459

Ion Ratio Lower Upper

88 100

43 2486.5 26.2 39.4#

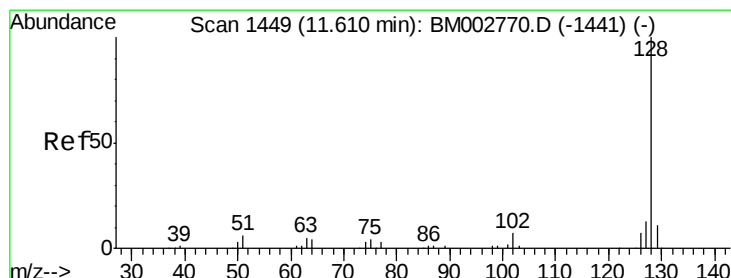
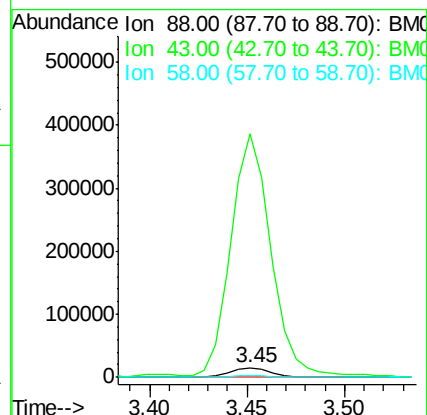
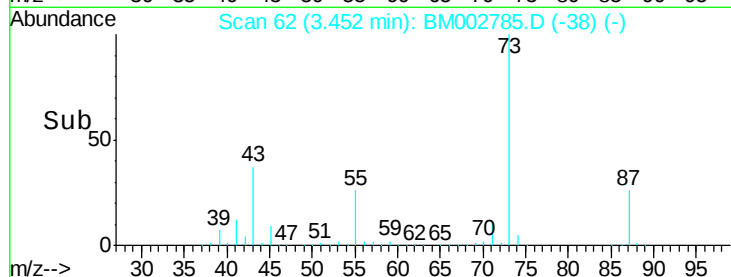
58 22.0 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002770.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM002770.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM002770.D (-118) (-)



#28

Naphthalene

Concen: 1.21 ng/uL

RT: 11.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

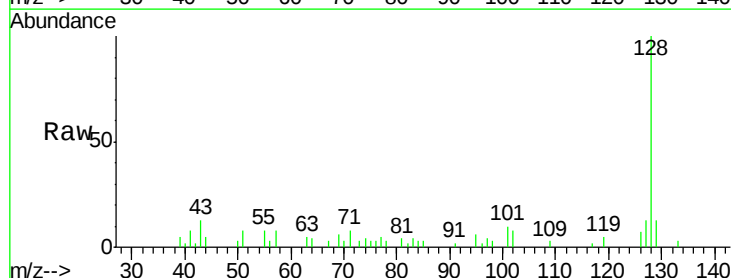
Tgt Ion: 128 Resp: 27496

Ion Ratio Lower Upper

128 100

129 12.7 8.7 13.1

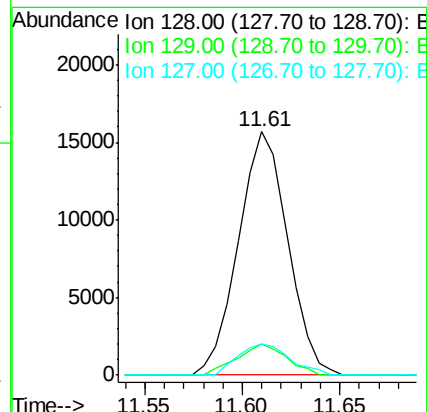
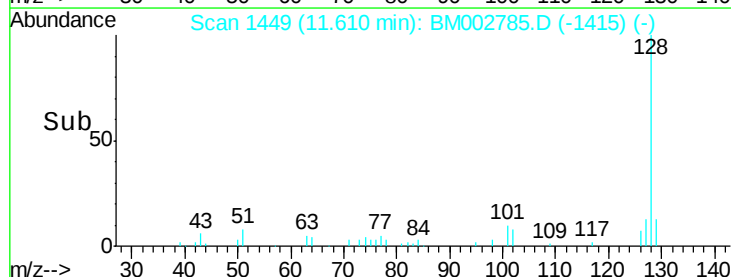
127 12.7 9.9 14.9

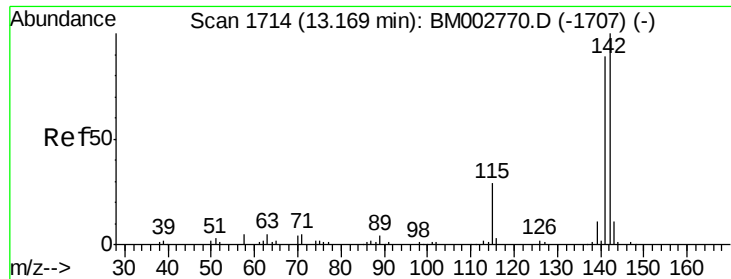


Abundance Ion 128.00 (127.70 to 128.70): BM002770.D (-1441) (-)

Ion 129.00 (128.70 to 129.70): BM002770.D (-1441) (-)

Ion 127.00 (126.70 to 127.70): BM002770.D (-1441) (-)

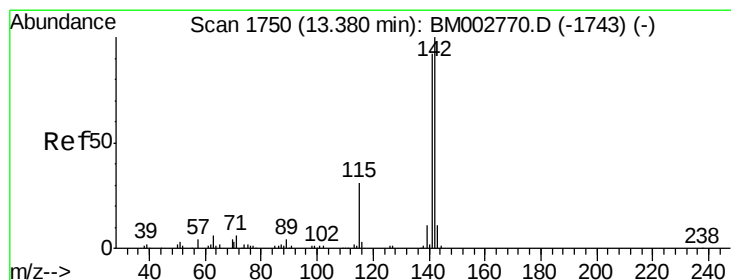
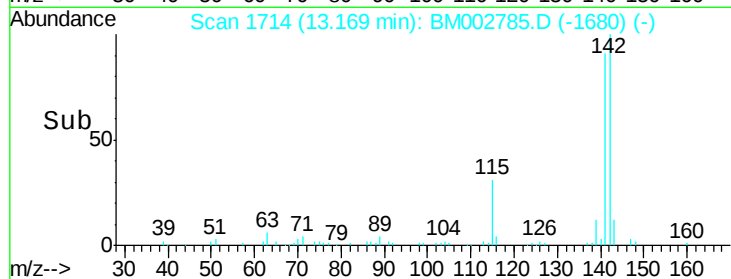
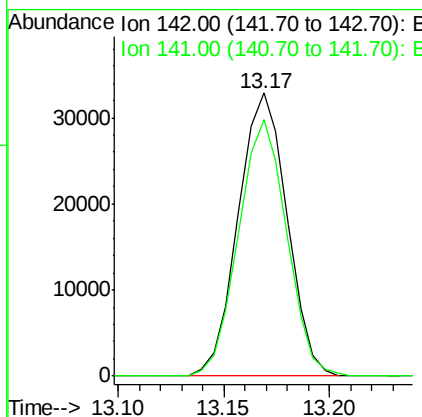
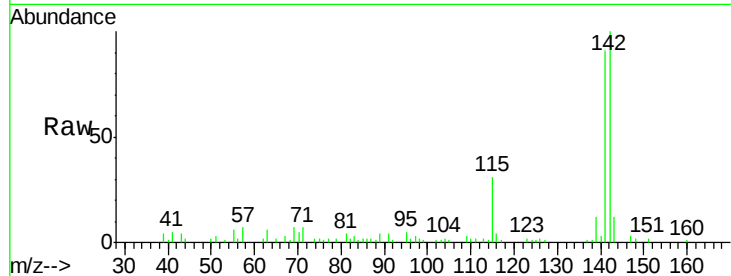




#34
2-Methylnaphthalene
Concen: 3.33 ng/ul
RT: 13.17 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BM002785.D
Acq: 30 Sep 2015 15:06

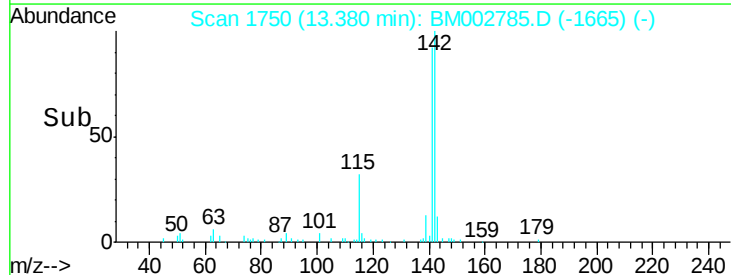
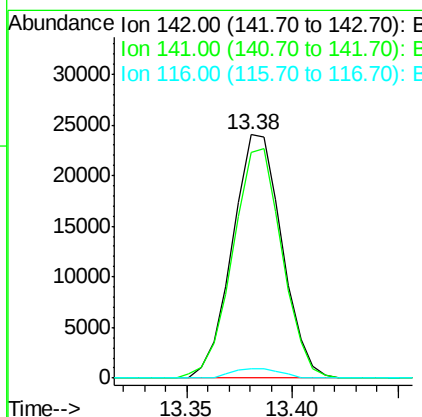
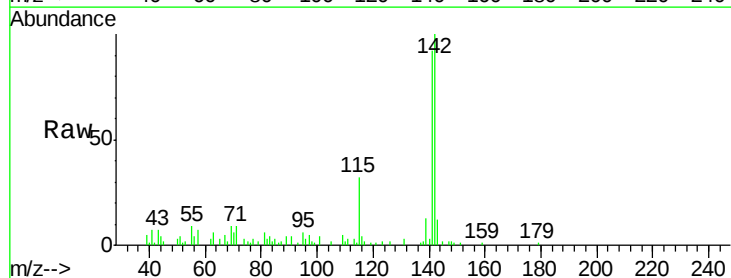
Instrument :
BNA_M
ClientSampleId :
E5MX4

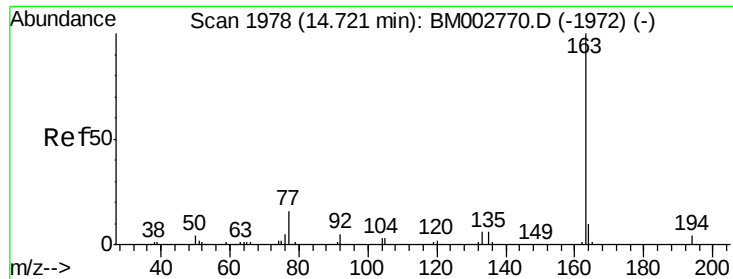
Tgt Ion:142 Resp: 52733
Ion Ratio Lower Upper
142 100
141 90.8 71.2 106.8



#35
1-Methylnaphthalene
Concen: 2.54 ng/ul
RT: 13.38 min Scan# 1750
Delta R.T. -0.00 min
Lab File: BM002785.D
Acq: 30 Sep 2015 15:06

Tgt Ion:142 Resp: 39145
Ion Ratio Lower Upper
142 100
141 92.5 74.4 111.6
116 3.8 2.6 4.0





#45

Dimethylphthalate

Concen: 8.31 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

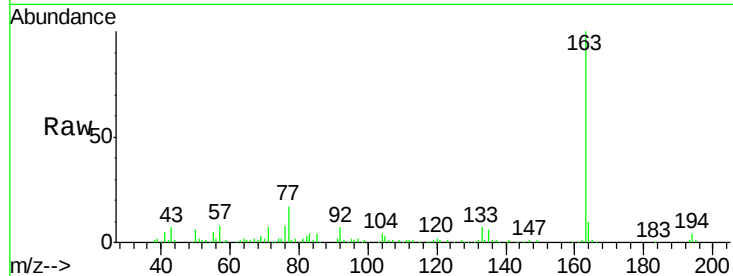
Instrument :

BNA_M

ClientSampleId :

E5MX4

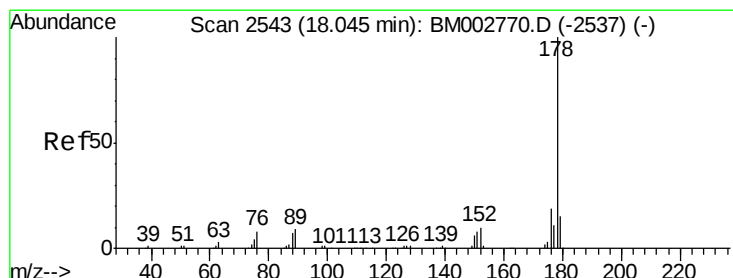
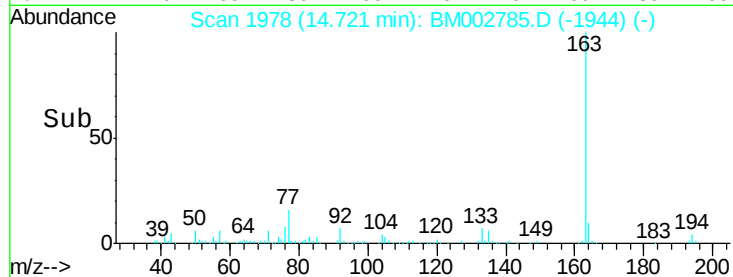
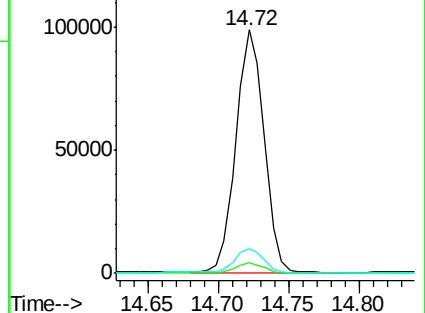
Tgt Ion:	163	Resp:	136541
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.3	8.1	12.1



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



#70

Phenanthrene

Concen: 5.02 ng/ul

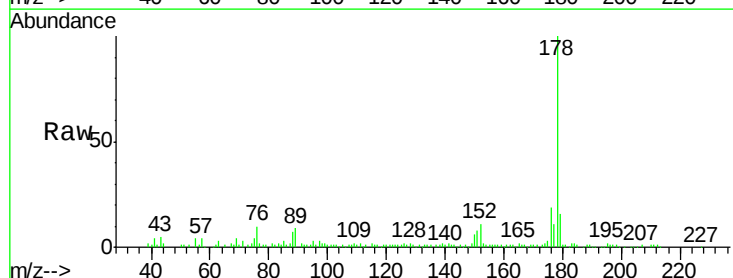
RT: 18.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

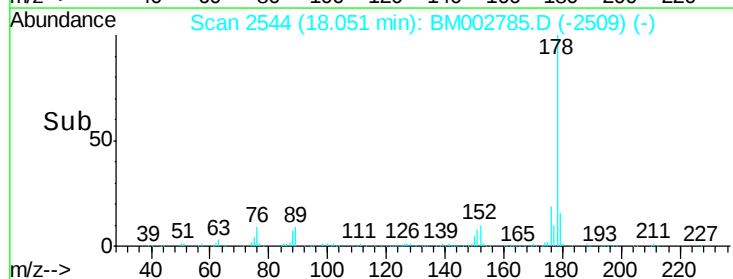
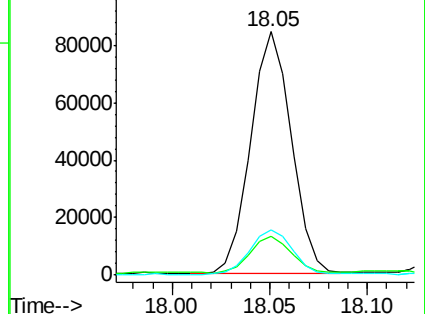
Tgt Ion:	178	Resp:	121201
Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.0	18.0
176	18.6	14.6	22.0

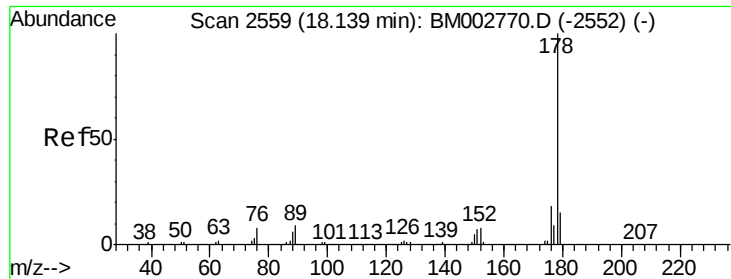


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.94 ng/ul

RT: 18.05 min Scan# 2544

Delta R.T. -0.09 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

Instrument :

BNA_M

ClientSampleId :

E5MX4

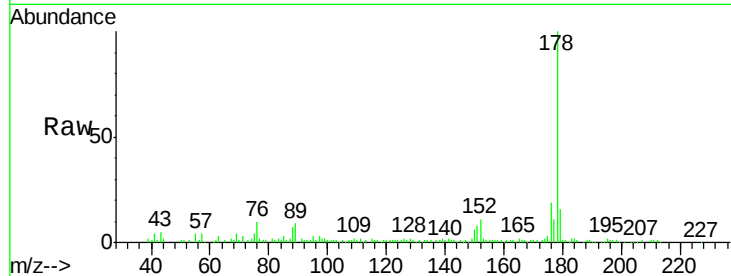
Tgt Ion:178 Resp: 121290

Ion Ratio Lower Upper

178 100

179 16.2 11.9 17.9

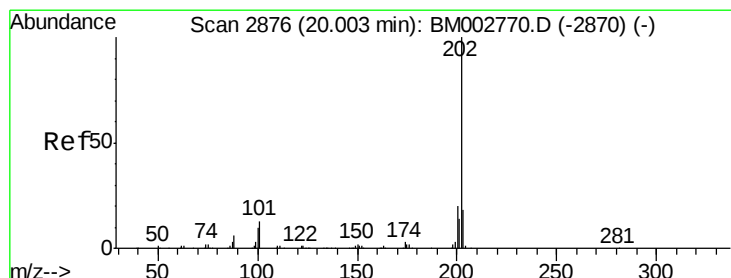
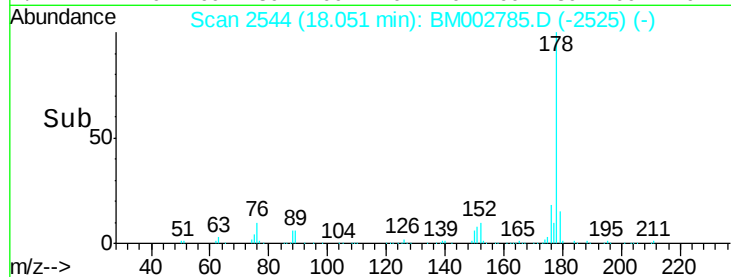
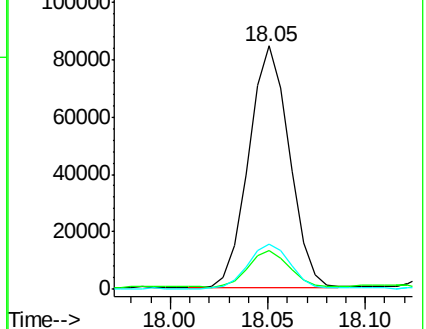
176 18.6 14.4 21.6



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: 4.43 ng/ul

RT: 20.01 min Scan# 2877

Delta R.T. 0.01 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

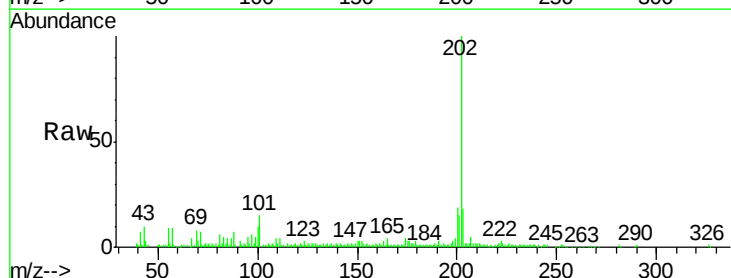
Tgt Ion:202 Resp: 110231

Ion Ratio Lower Upper

202 100

101 14.7 11.0 16.4

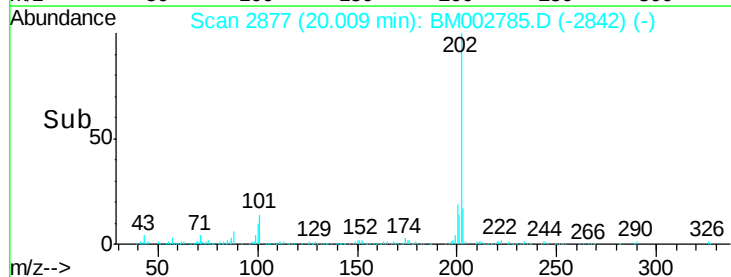
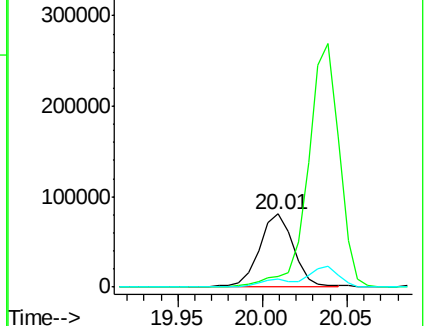
100 10.4 8.3 12.5

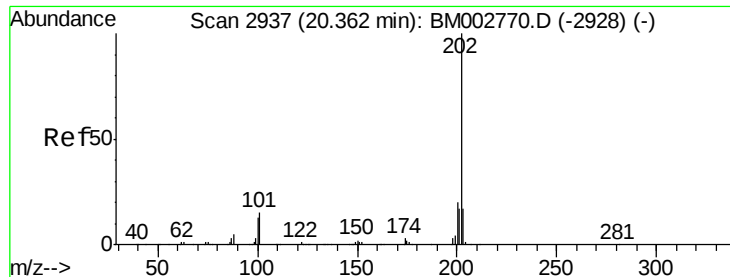


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

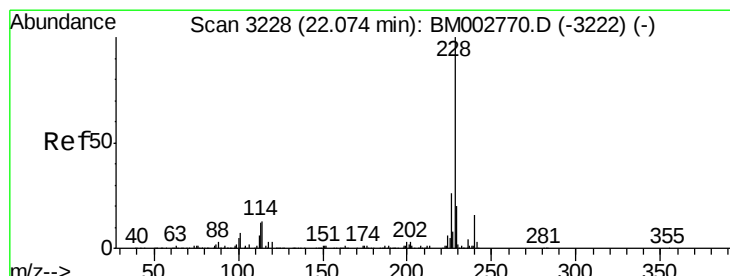
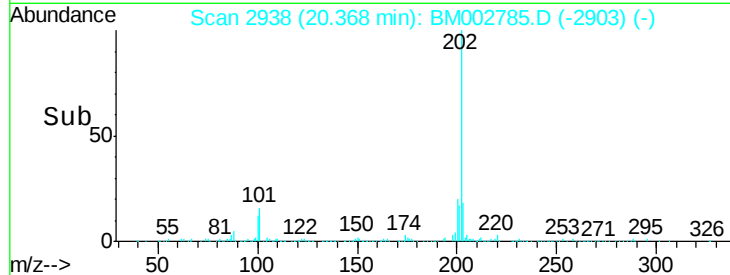
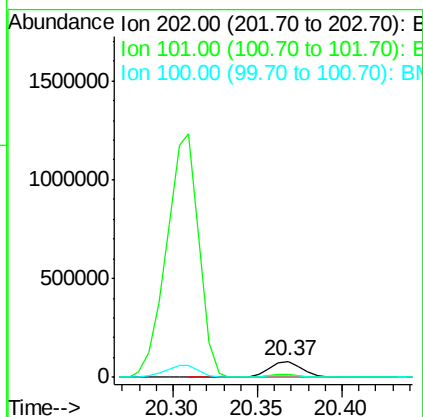
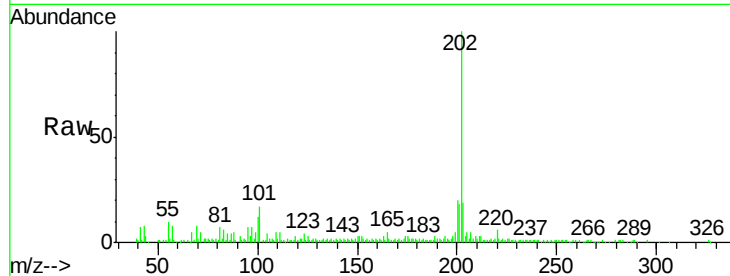




#80
Pyrene
Concen: 4.01 ng/ul
RT: 20.37 min Scan# 2938
Delta R.T. 0.01 min
Lab File: BM002785.D
Acq: 30 Sep 2015 15:06

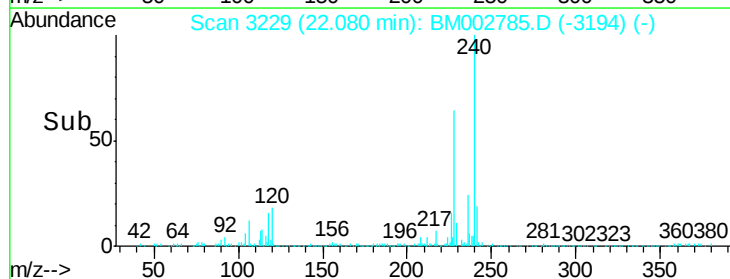
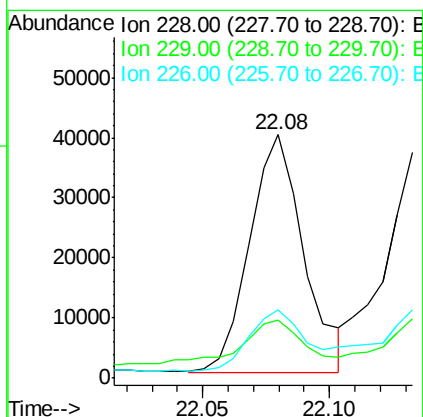
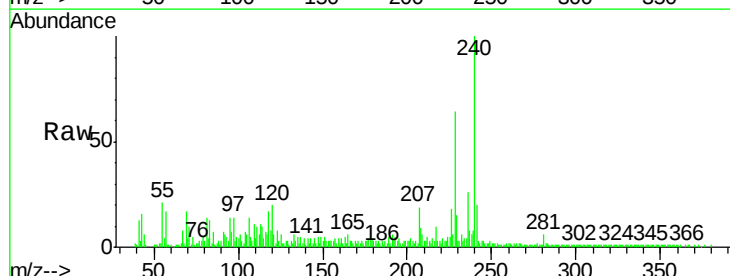
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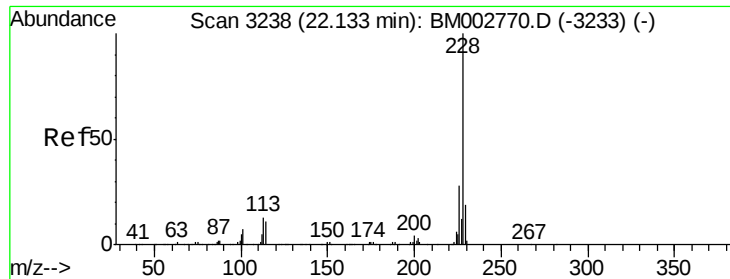
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.4	12.1	18.1
100	11.9	10.2	15.4



#83
Benzo(a)anthracene
Concen: 2.34 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.01 min
Lab File: BM002785.D
Acq: 30 Sep 2015 15:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.9	16.1	24.1
226	28.1	20.9	31.3





#85

Chrysene

Concen: 2.44 ng/ul

RT: 22.13 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

Instrument :

BNA_M

ClientSampleId :

E5MX4

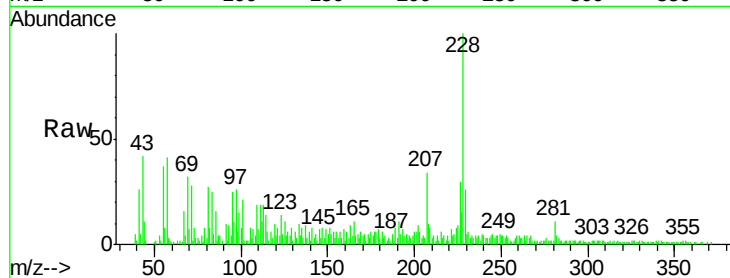
Tgt Ion:228 Resp: 58330

Ion Ratio Lower Upper

228 100

226 30.0 22.4 33.6

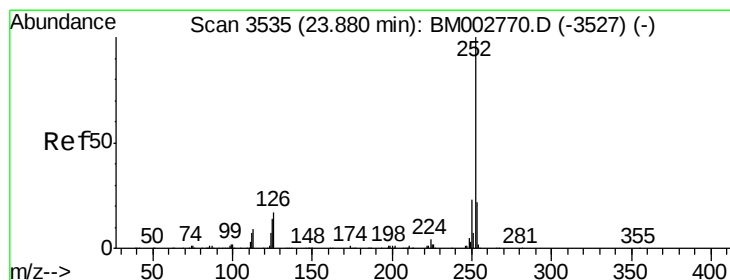
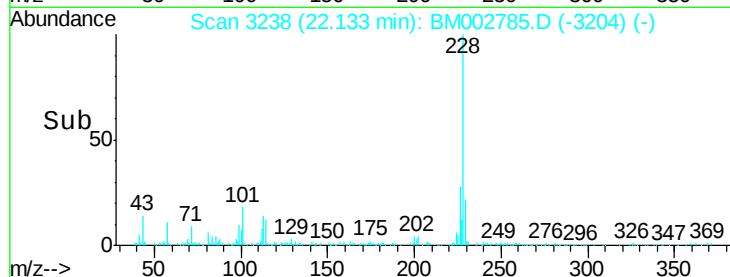
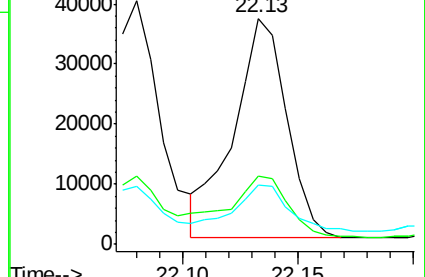
229 26.3 15.4 23.2#



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



#88

Benzo(b)fluoranthene

Concen: 2.66 ng/ul

RT: 23.89 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

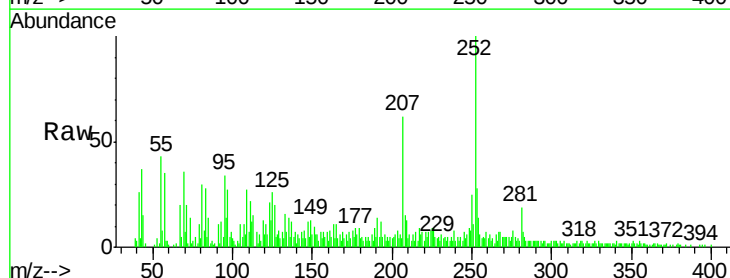
Tgt Ion:252 Resp: 70036

Ion Ratio Lower Upper

252 100

253 27.8 17.6 26.4#

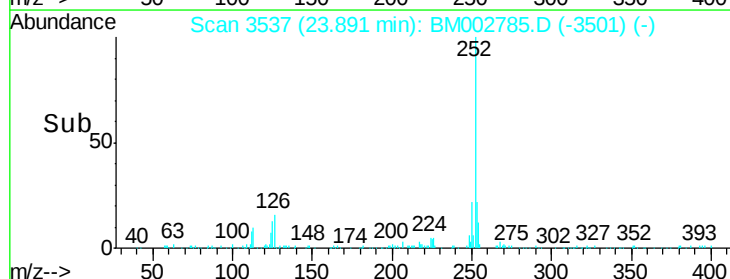
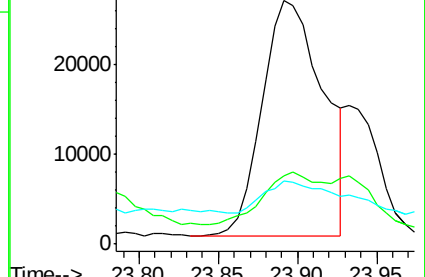
125 25.8 10.6 15.8#

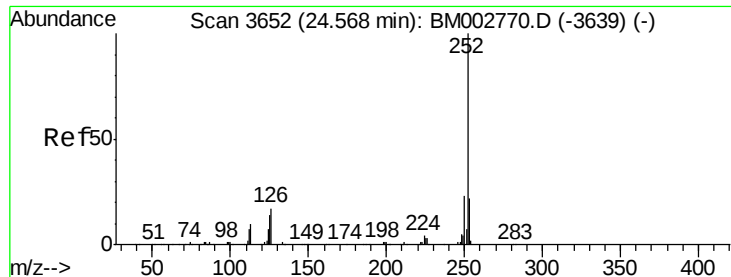


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.88 ng/ul

RT: 24.58 min Scan# 3654

Delta R.T. 0.01 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

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BNA_M

ClientSampleId :

E5MX4

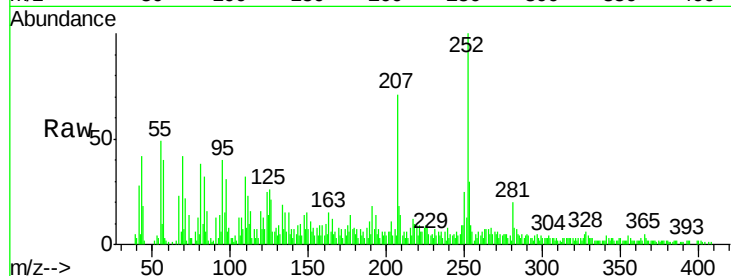
Tgt Ion: 252 Resp: 47503

Ion Ratio Lower Upper

252 100

253 29.5 17.4 26.0#

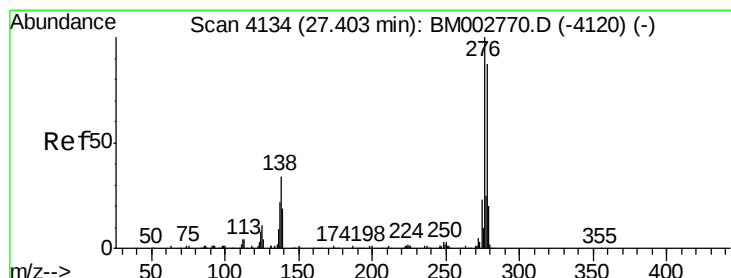
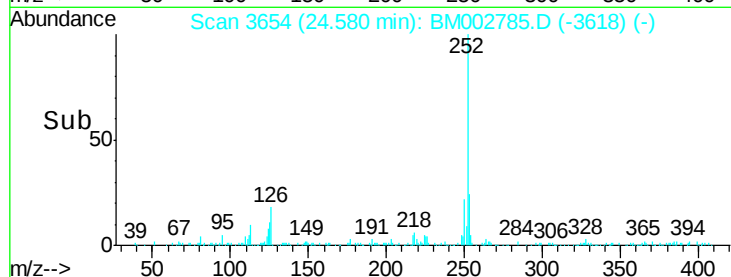
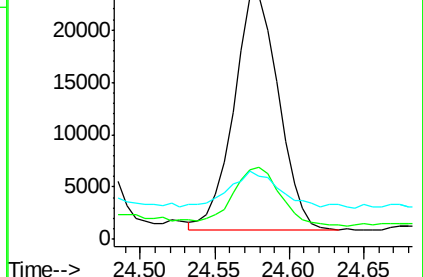
125 25.7 11.4 17.2#



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: 1.15 ng/ul

RT: 27.41 min Scan# 4136

Delta R.T. 0.01 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

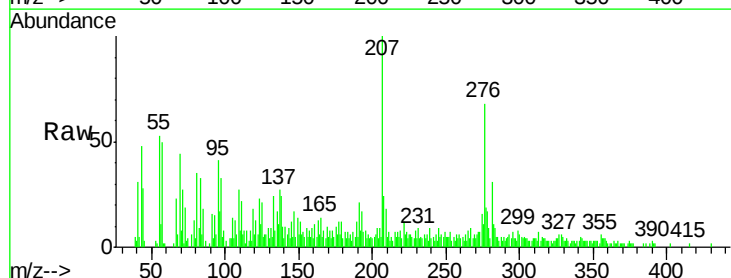
Tgt Ion: 276 Resp: 33900

Ion Ratio Lower Upper

276 100

138 34.6 27.7 41.5

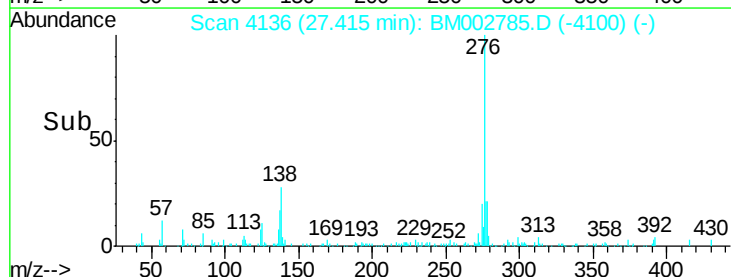
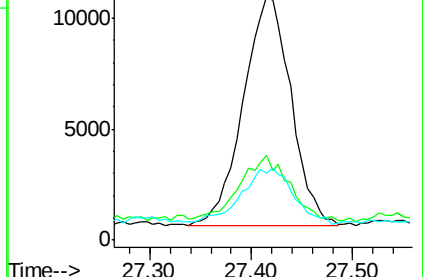
277 27.4 20.2 30.4

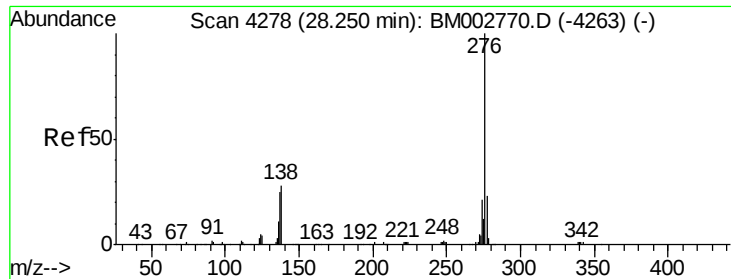


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 1.34 ng/ul

RT: 28.27 min Scan# 4281

Delta R.T. 0.02 min

Lab File: BM002785.D

Acq: 30 Sep 2015 15:06

Instrument :

BNA_M

ClientSampleId :

E5MX4

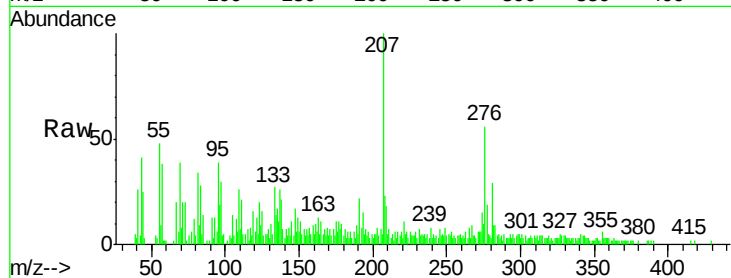
Tgt Ion: 276 Resp: 33363

Ion Ratio Lower Upper

276 100

138 37.8 21.8 32.8#

277 34.0 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

