

Data Path : Z:\HPCHEM1\BNA_M\Data\BM092915\
 Data File : BM002781.D
 Acq On : 30 Sep 2015 12:39
 Operator : UM/IZ
 Sample : G3838-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MW9

Quant Time: Sep 30 13:22:47 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	96219	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	398328	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	199144	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	404982	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	428244	20.00	ng/ul	0.00
86) Perylene-d12	24.68	264	436239	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	10973	5.30	ng/uL	0.00
5) Phenol-d5	7.82	99	225228	30.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	127965	31.20	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	208125	30.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	189571	31.54	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	97872	32.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	102273	32.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	169701	30.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	256803	38.08	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	488531	32.61	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	651833	32.60	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	84637	31.81	ng/ul	0.00
58) Fluorene-d10	16.27	176	429419	31.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	40376	20.44	ng/ul	0.00
71) Anthracene-d10	18.10	188	629320	32.56	ng/ul	0.00
79) Pyrene-d10	20.33	212	647320	32.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	739972	33.16	ng/ul	0.00

Target Compounds

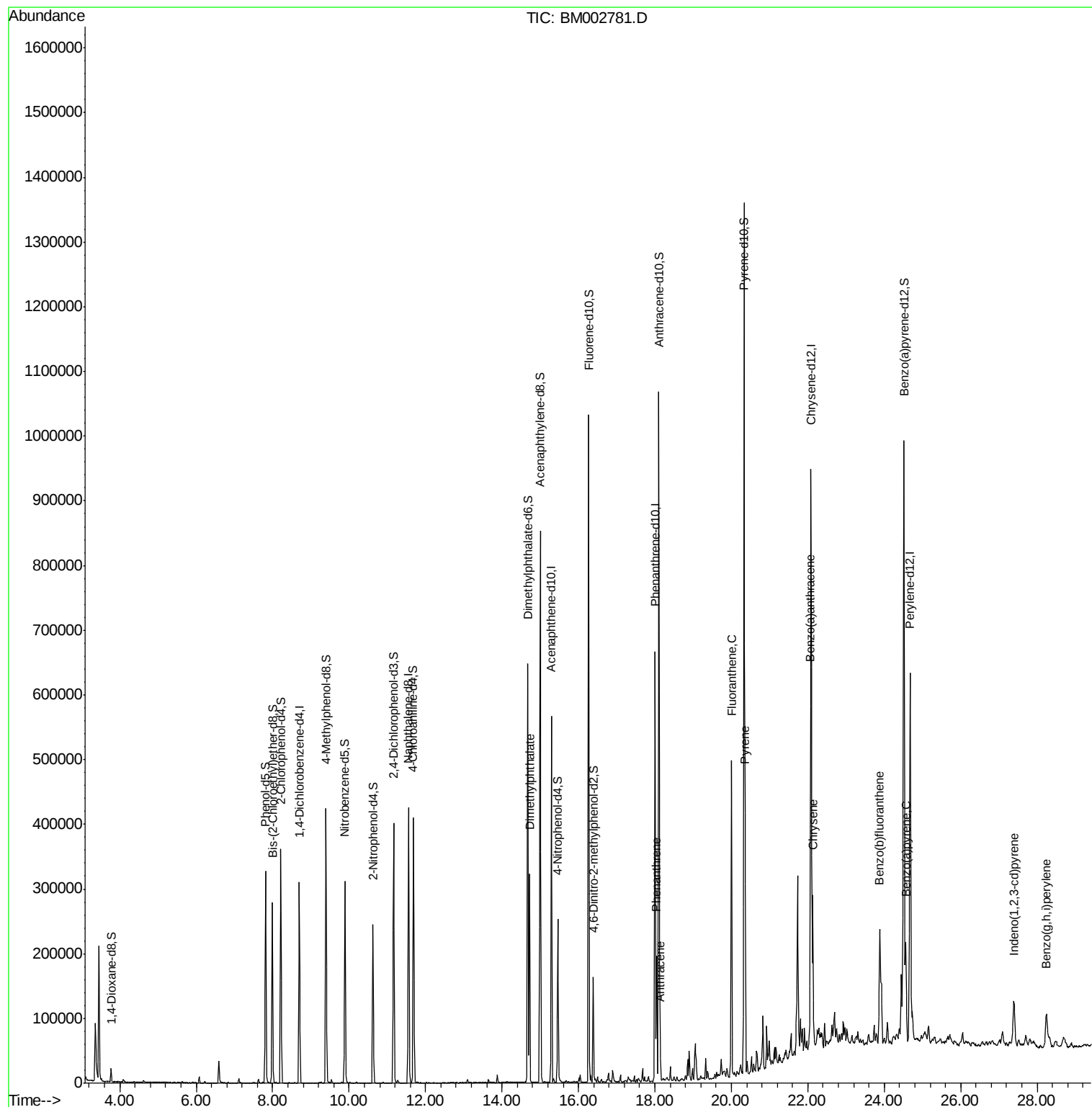
					Qvalue
45) Dimethylphthalate	14.72	163	230580	15.14 ng/ul	100
70) Phenanthrene	18.04	178	122626	5.23 ng/ul	99
72) Anthracene	18.14	178	34633	1.45 ng/ul	99
77) Fluoranthene	20.00	202	297101	12.28 ng/ul	99
80) Pyrene	20.36	202	234855	8.63 ng/ul	99
83) Benzo(a)anthracene	22.07	228	148381	5.83 ng/ul	99
85) Chrysene	22.13	228	136896	5.70 ng/ul	97
88) Benzo(b)fluoranthene	23.88	252	168685	6.44 ng/ul	99
91) Benzo(a)pyrene	24.56	252	115420	4.59 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.40	276	71600	2.44 ng/ul#	92
94) Benzo(g,h,i)perylene	28.24	276	63922	2.59 ng/ul	98

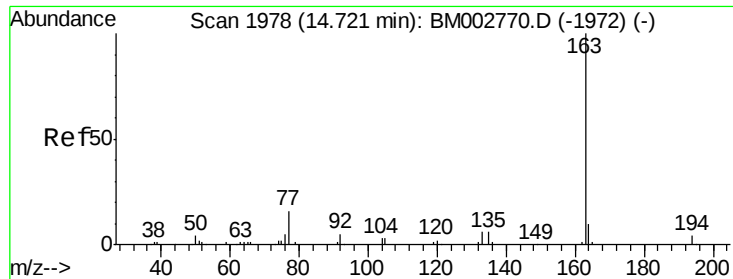
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 15.14 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

Instrument :

BNA_M

ClientSampleId :

E5MW9

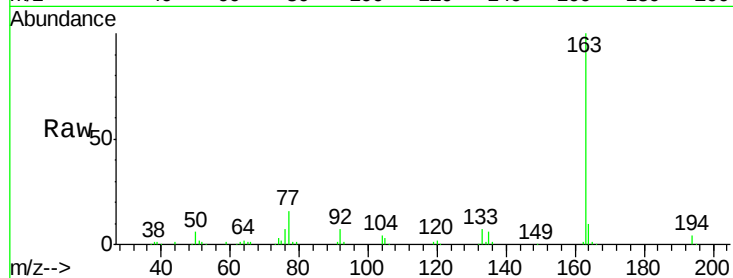
Tgt Ion:163 Resp: 230580

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

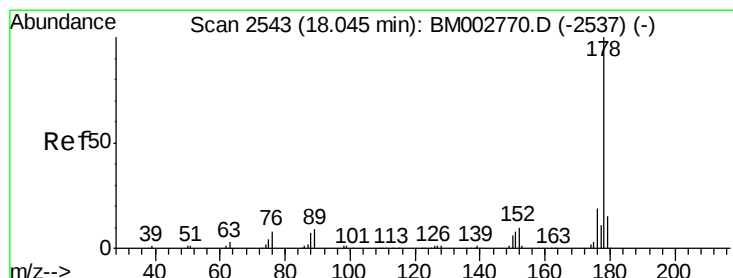
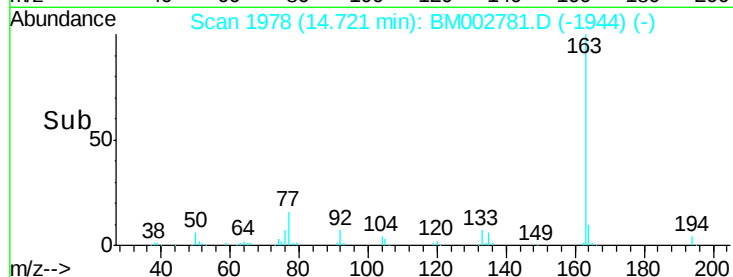
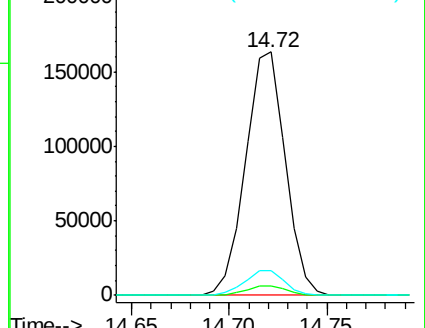
164 10.1 8.1 12.1



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: 5.23 ng/ul

RT: 18.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

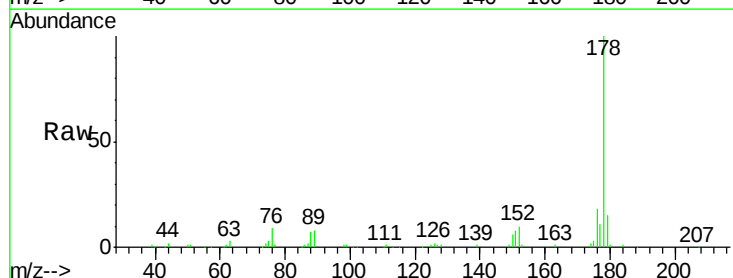
Tgt Ion:178 Resp: 122626

Ion Ratio Lower Upper

178 100

179 15.0 12.0 18.0

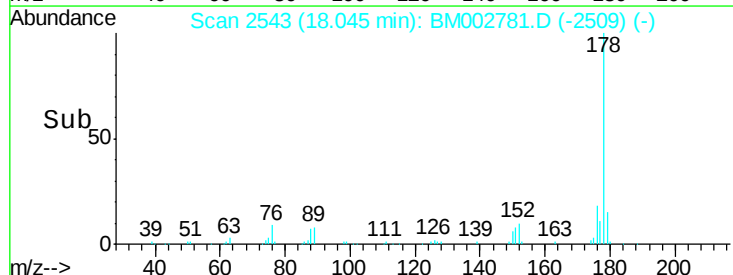
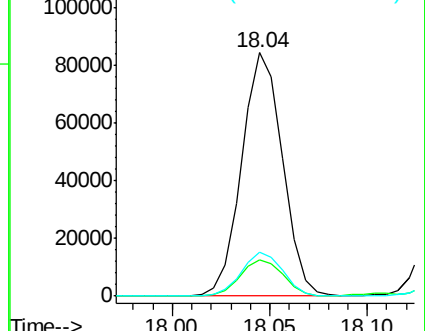
176 17.8 14.6 22.0

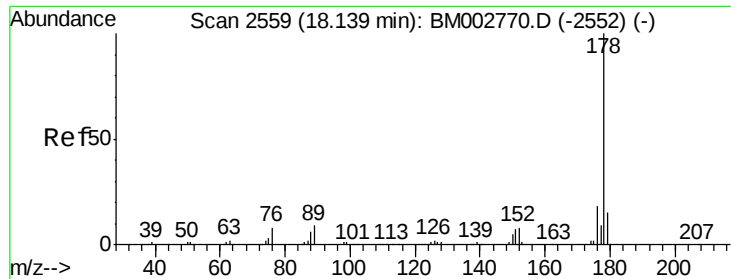


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.45 ng/ul

RT: 18.14 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

Instrument :

BNA_M

ClientSampleId :

E5MW9

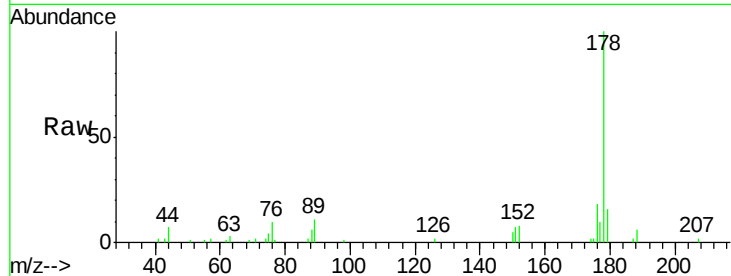
Tgt Ion:178 Resp: 34633

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

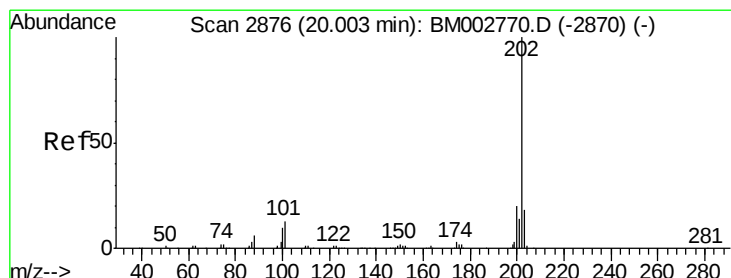
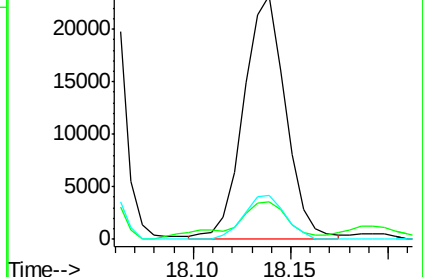
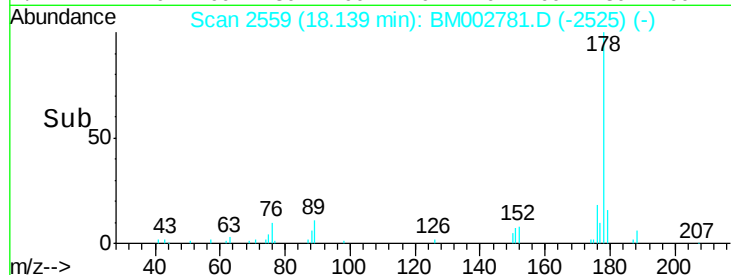
176 17.9 14.4 21.6



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: 12.28 ng/ul

RT: 20.00 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

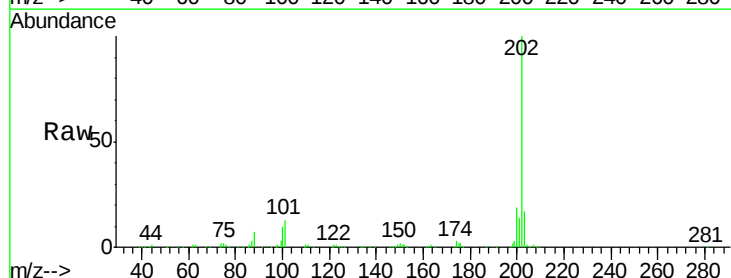
Tgt Ion:202 Resp: 297101

Ion Ratio Lower Upper

202 100

101 13.1 11.0 16.4

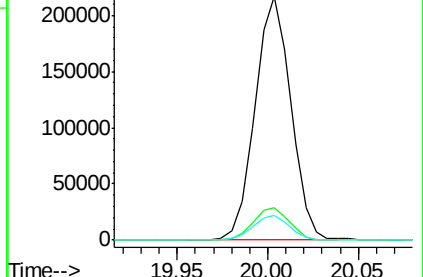
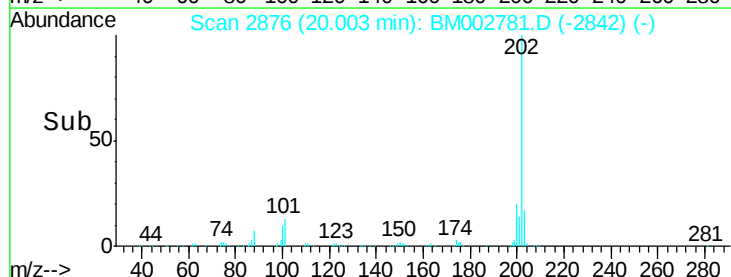
100 9.9 8.3 12.5

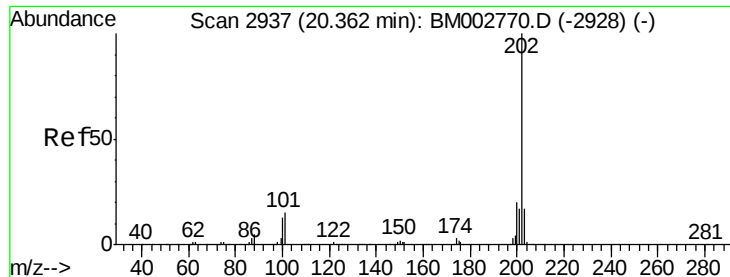


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

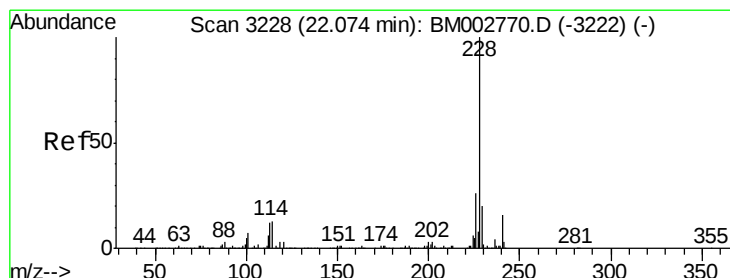
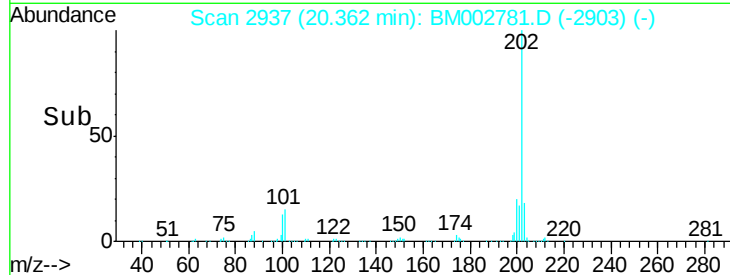
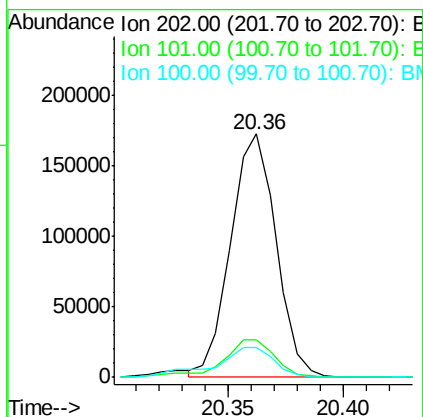
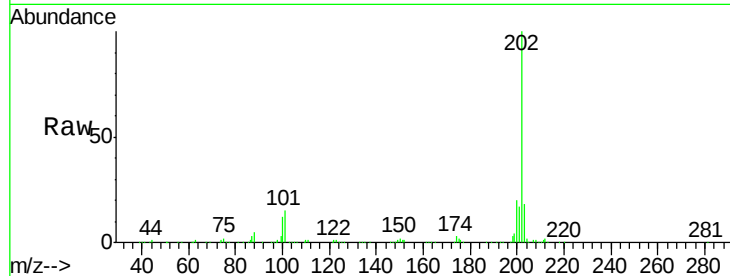




#80
Pyrene
Concen: 8.63 ng/ul
RT: 20.36 min Scan# 2937
Delta R.T. -0.00 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

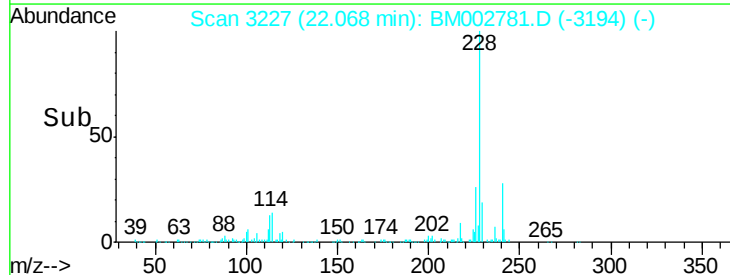
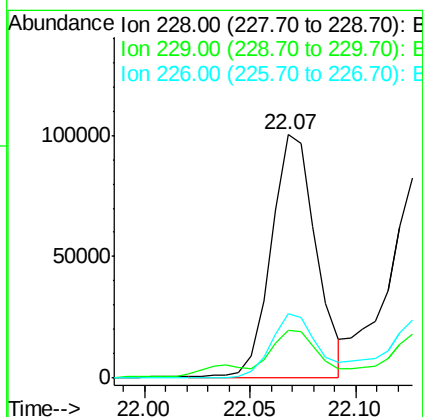
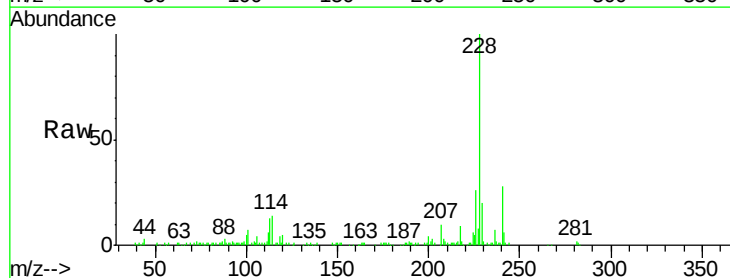
Instrument :
BNA_M
ClientSampleId :
E5MW9

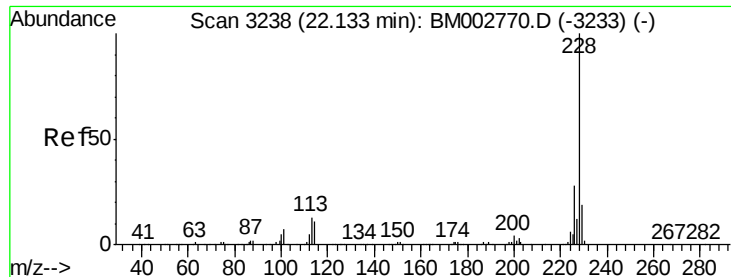
Tgt Ion:	202	Resp:	234855
Ion	Ratio	Lower	Upper
202	100		
101	15.2	12.1	18.1
100	12.4	10.2	15.4



#83
Benzo(a)anthracene
Concen: 5.83 ng/ul
RT: 22.07 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion:	228	Resp:	148381
Ion	Ratio	Lower	Upper
228	100		
229	19.8	16.1	24.1
226	26.3	20.9	31.3





#85

Chrysene

Concen: 5.70 ng/ul

RT: 22.13 min Scan# 3237

Delta R.T. -0.01 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

Instrument :

BNA_M

ClientSampled :

E5MW9

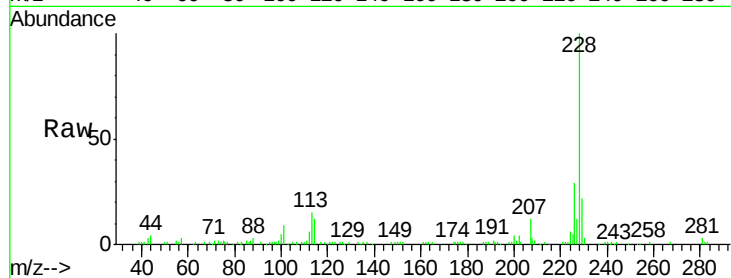
Tgt Ion: 228 Resp: 136896

Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

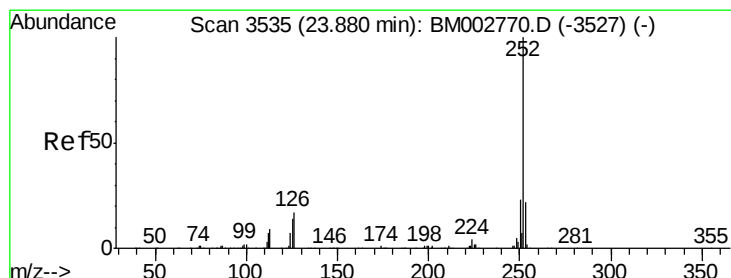
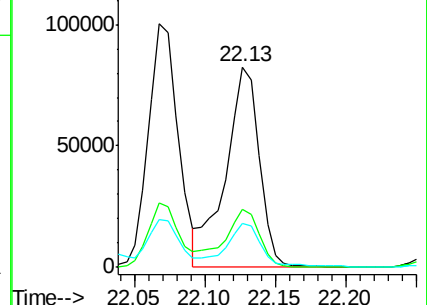
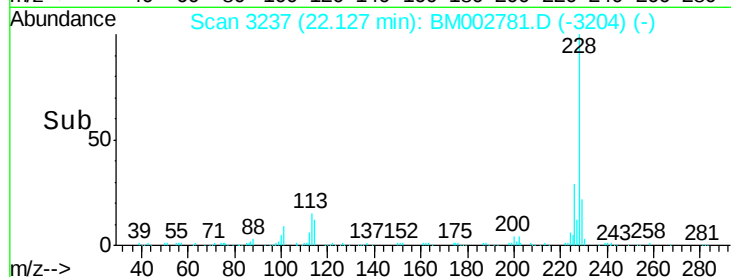
229 22.1 15.4 23.2



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: 6.44 ng/ul

RT: 23.88 min Scan# 3535

Delta R.T. -0.00 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

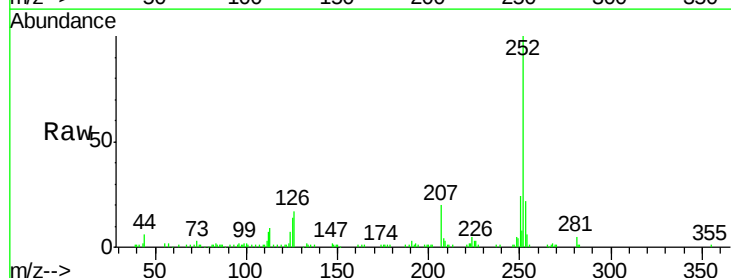
Tgt Ion: 252 Resp: 168685

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

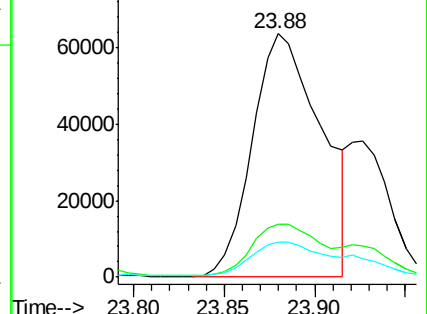
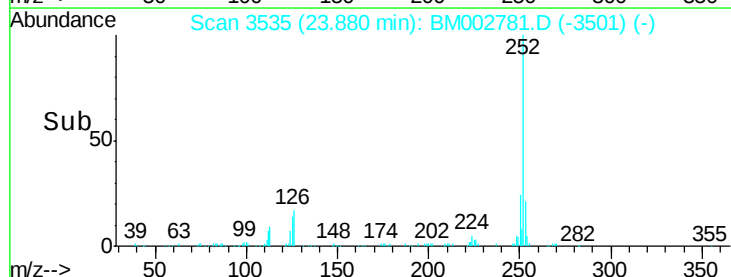
125 14.5 10.6 15.8

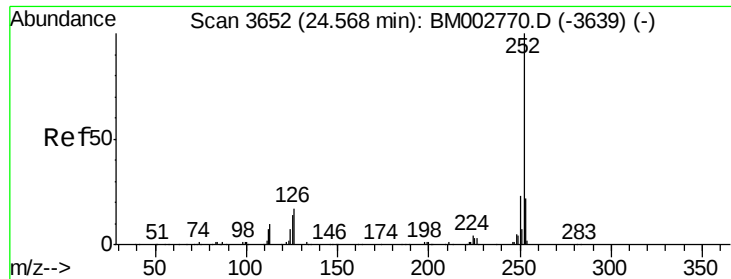


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

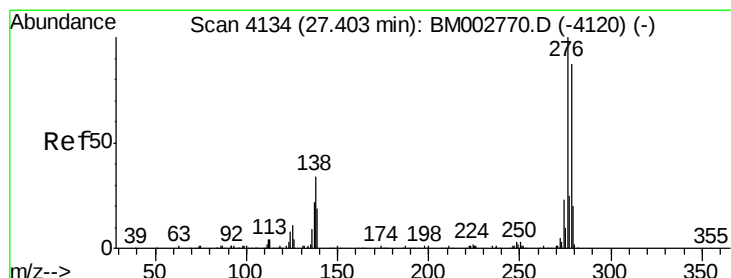
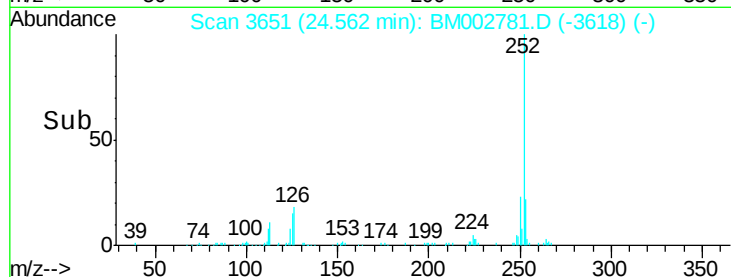
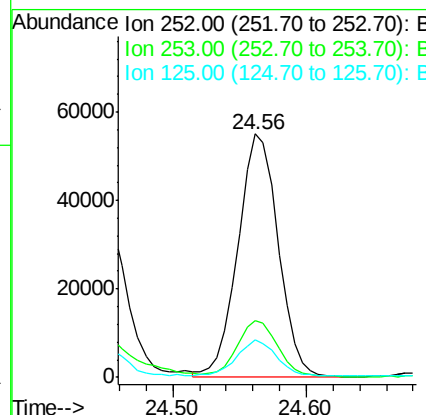
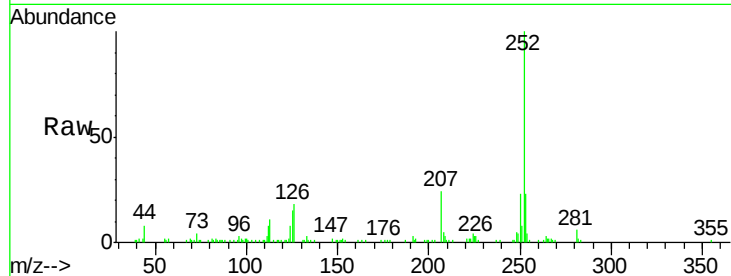




#91
Benzo(a)pyrene
Concen: 4.59 ng/ul
RT: 24.56 min Scan# 3651
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

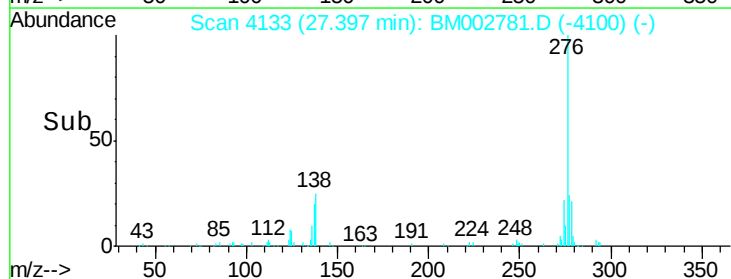
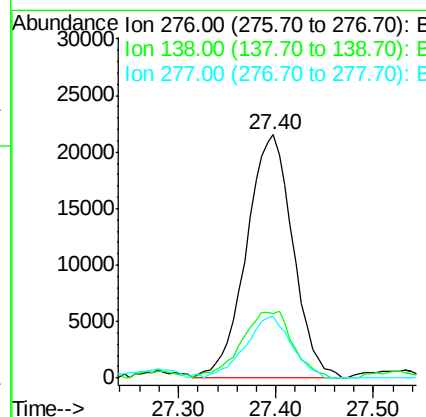
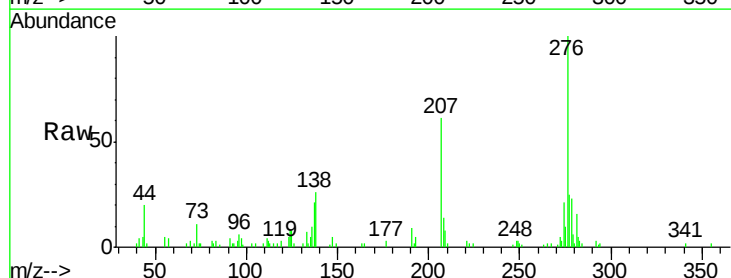
Instrument :
BNA_M
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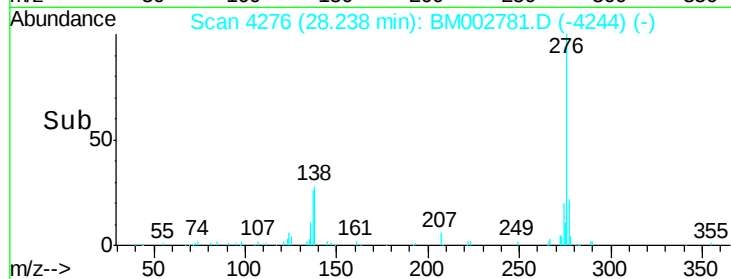
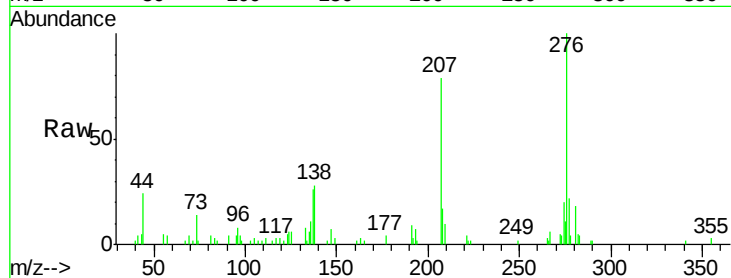
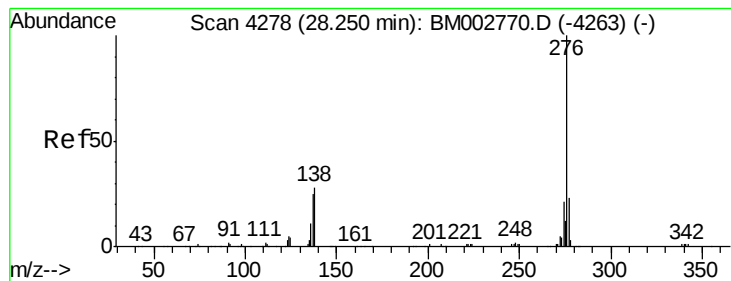
Tgt Ion:252 Resp: 115420
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 15.5 11.4 17.2



#92
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng/ul
RT: 27.40 min Scan# 4133
Delta R.T. -0.01 min
Lab File: BM002781.D
Acq: 30 Sep 2015 12:39

Tgt Ion:276 Resp: 71600
Ion Ratio Lower Upper
276 100
138 26.3 27.7 41.5#
277 25.4 20.2 30.4





#94

Benzo(g,h,i)perylene

Concen: 2.59 ng/ul

RT: 28.24 min Scan# 4276

Delta R.T. -0.01 min

Lab File: BM002781.D

Acq: 30 Sep 2015 12:39

Instrument :

BNA_M

ClientSampleId :

E5MW9

Tgt Ion: 276 Resp: 63922

Ion Ratio Lower Upper

276 100

138 28.0 21.8 32.8

277 21.9 18.9 28.3

