

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062415\
 Data File : BM001782.D
 Acq On : 24 Jun 2015 15:07
 Operator : TP/IZ
 Sample : G2740-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FA2MS

Quant Time: Jun 25 02:01:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 25 02:00:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	66269	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	259891	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	150039	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	336205	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	385359	20.00	ng/ul	0.00
85) Perylene-d12	23.48	264	380851	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	1785	1.28	ng/uL	0.00
5) Phenol-d5	6.83	99	42221	8.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	24903	8.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	34095	8.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	26674	6.53	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	15383	8.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	16557	8.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	35299	8.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	31493	7.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	98238	8.83	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	125810	8.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	13763	6.71	ng/ul	0.00
57) Fluorene-d10	15.31	176	92724	8.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	9843	4.79	ng/ul	0.00
70) Anthracene-d10	17.16	188	138842	8.87	ng/ul	0.00
78) Pyrene-d10	19.46	212	153735	9.42	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	132280	7.88	ng/ul	0.00

Target Compounds

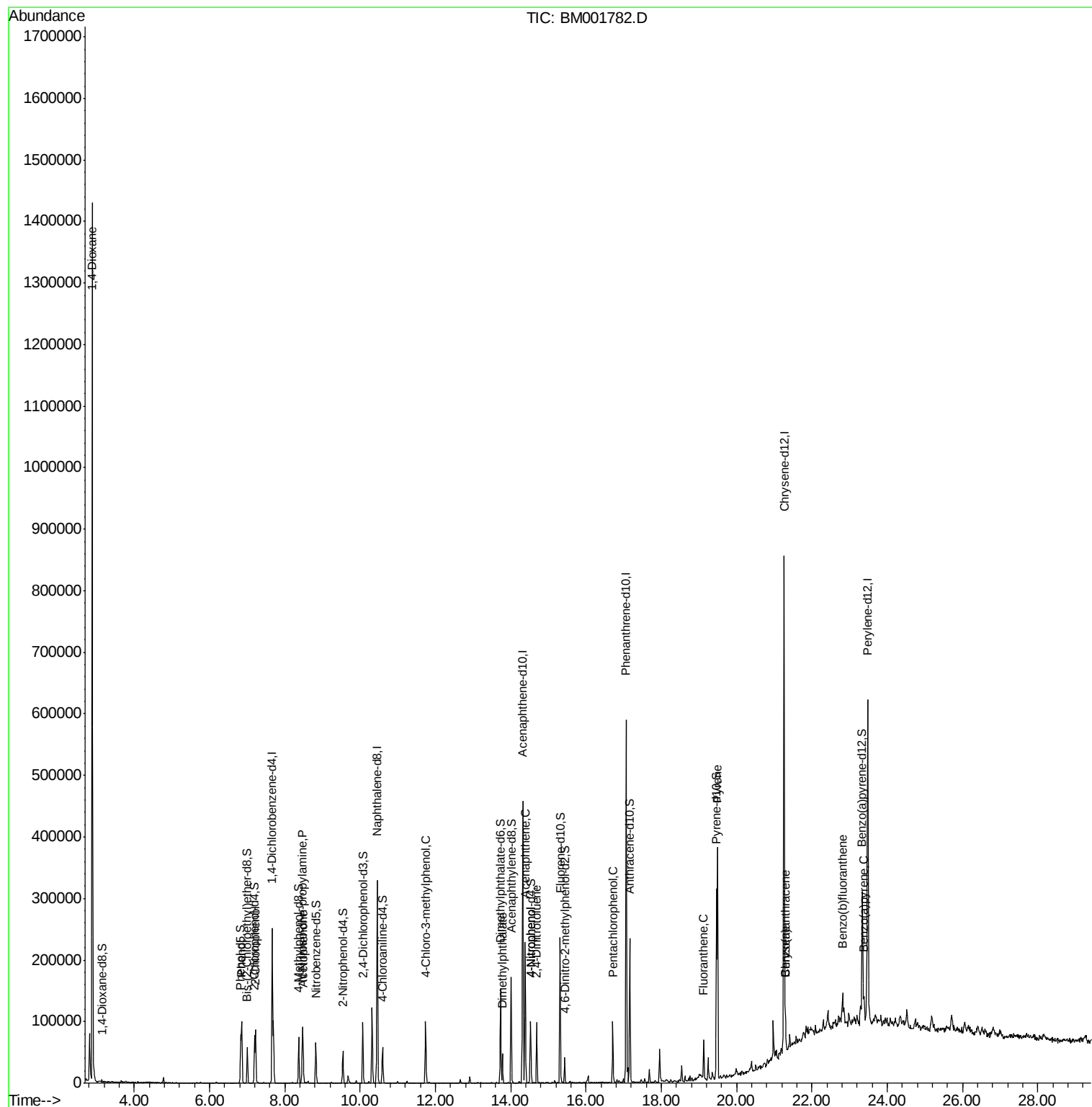
						Qvalue
2) 1,4-Dioxane	2.88	88	9695	6.11	ng/ul#	1
6) Phenol	6.85	94	52327	9.96	ng/ul	93
10) 2-Chlorophenol	7.22	128	36732	8.82	ng/ul	99
14) Acetophenone	8.48	105	28799	4.44	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.46	70	26663	8.41	ng/ul	97
33) 4-Chloro-3-methylphenol	11.74	107	36891	8.48	ng/ul	93
44) Dimethylphthalate	13.77	163	30836	2.54	ng/ul#	97
49) Acenaphthene	14.38	153	89346	8.99	ng/ul	99
52) 4-Nitrophenol	14.53	109	13953	6.58	ng/ul	90
54) 2,4-Dinitrotoluene	14.69	165	27161	8.06	ng/ul	92
68) Pentachlorophenol	16.71	266	16874	6.53	ng/ul	96
76) Fluoranthene	19.12	202	39380	1.81	ng/ul#	92
79) Pyrene	19.49	202	235663	11.02	ng/ul	98
82) Benzo(a)anthracene	21.29	228	22791	1.01	ng/ul	93
84) Chrysene	21.29	228	22791	1.07	ng/ul	97
87) Benzo(b)fluoranthene	22.81	252	36853	1.66	ng/ul#	91
90) Benzo(a)pyrene	23.38	252	22680	1.05	ng/ul#	87

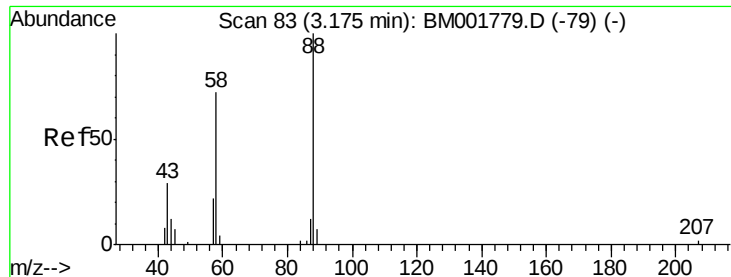
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 6.11 ng/uL

RT: 2.88 min Scan# 33

Delta R.T. -0.29 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

Instrument :

BNA_M

ClientSampleId :

H0FA2MS

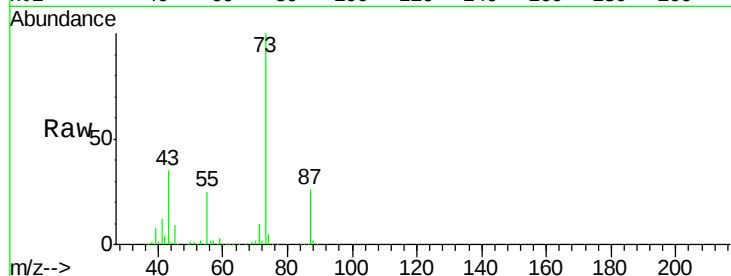
Tgt Ion: 88 Resp: 9695

Ion Ratio Lower Upper

88 100

43 2386.8 24.2 36.4#

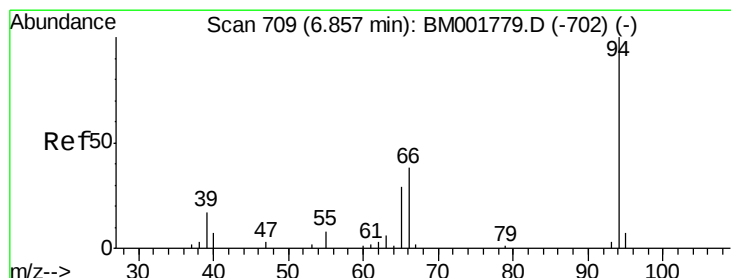
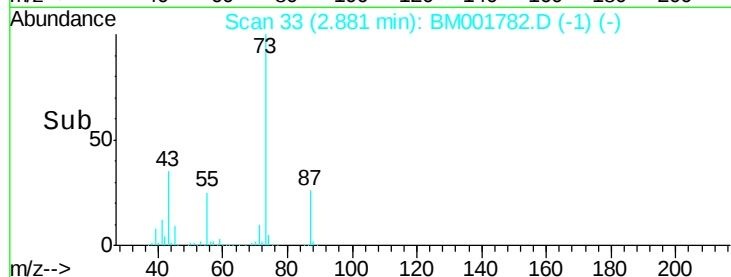
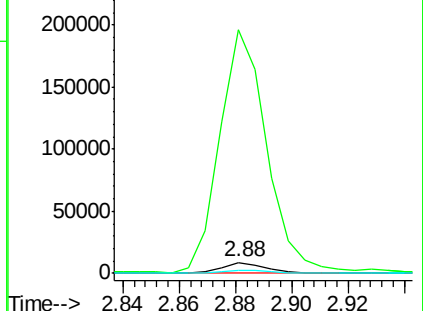
58 30.1 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001779.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BM001779.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BM001779.D (-79) (-)



#6

Phenol

Concen: 9.96 ng/uL

RT: 6.85 min Scan# 708

Delta R.T. -0.01 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

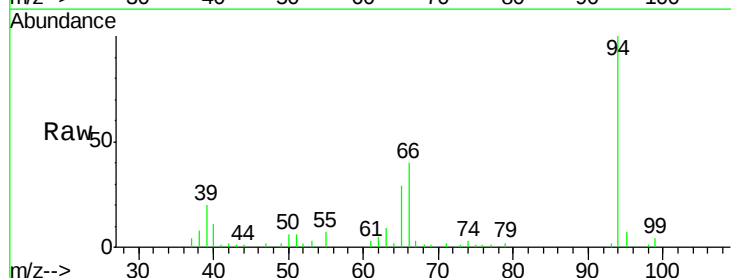
Tgt Ion: 94 Resp: 52327

Ion Ratio Lower Upper

94 100

65 28.8 26.1 39.1

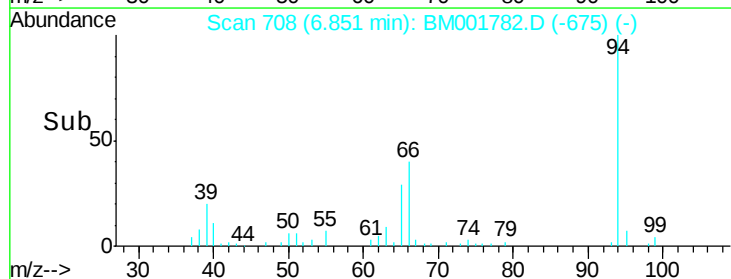
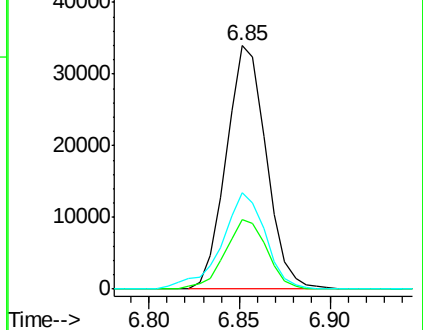
66 39.8 35.9 53.9

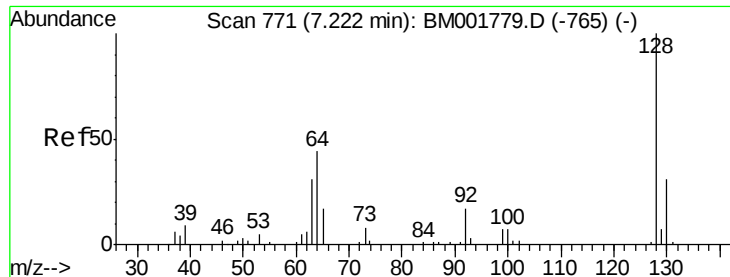


Abundance Ion 94.00 (93.70 to 94.70): BM001779.D (-702) (-)

Ion 65.00 (64.70 to 65.70): BM001779.D (-702) (-)

Ion 66.00 (65.70 to 66.70): BM001779.D (-702) (-)

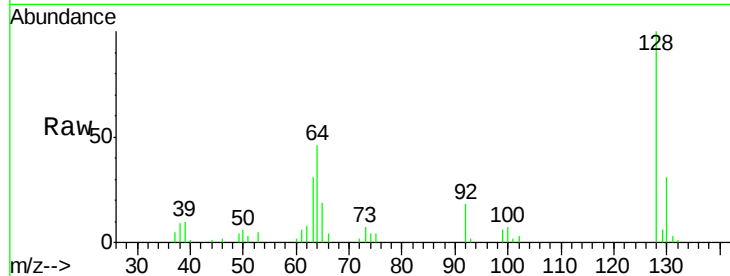




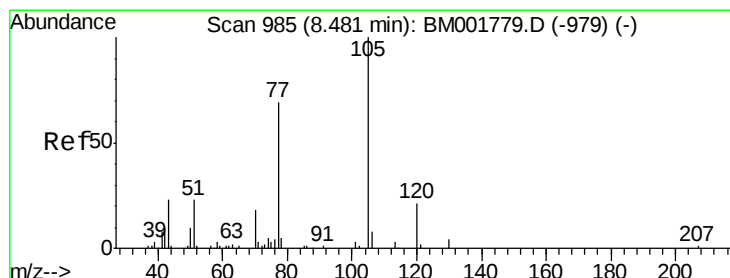
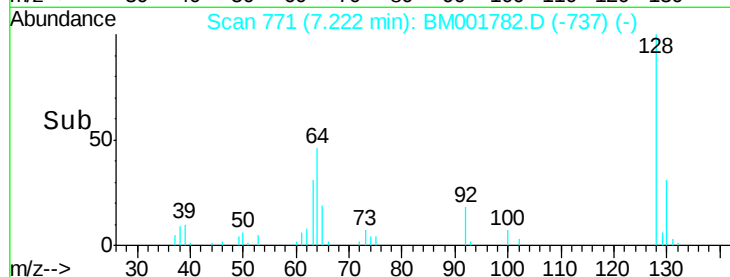
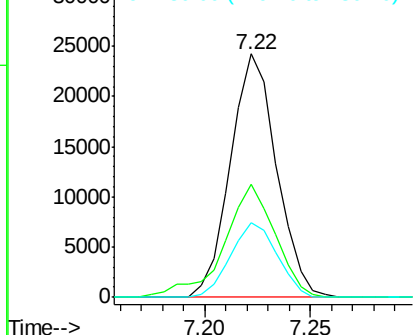
#10
2-Chlorophenol
Concen: 8.82 ng/ul
RT: 7.22 min Scan# 771
Delta R.T. 0.00 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

Instrument :
BNA_M
ClientSampleId :
H0FA2MS

Tgt Ion:128 Resp: 36732
Ion Ratio Lower Upper
128 100
64 46.3 37.4 56.2
130 30.8 25.4 38.0

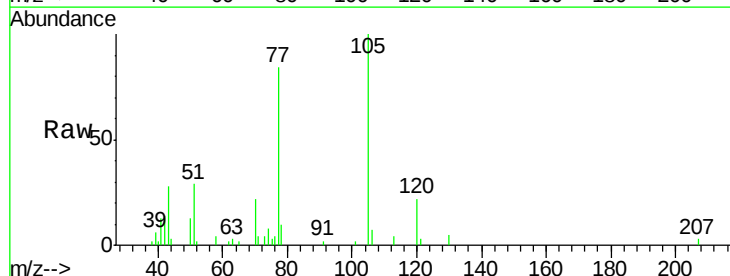


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 130.00 (129.70 to 130.70): E

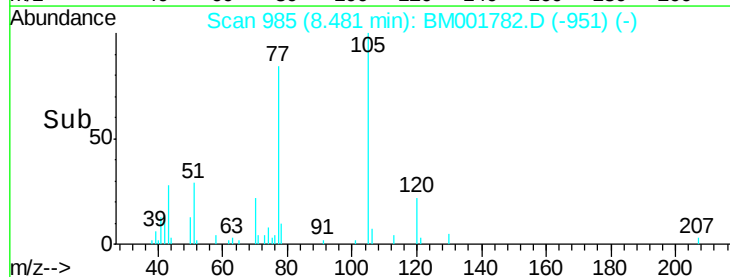
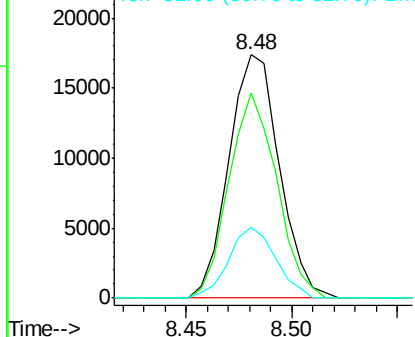


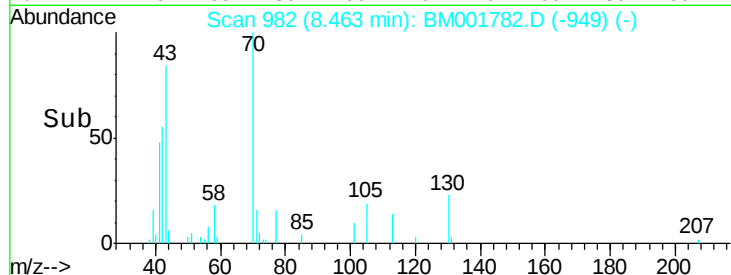
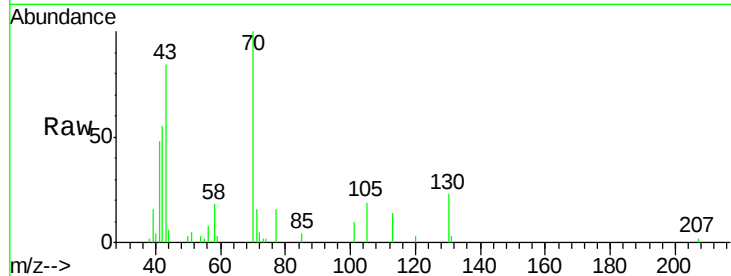
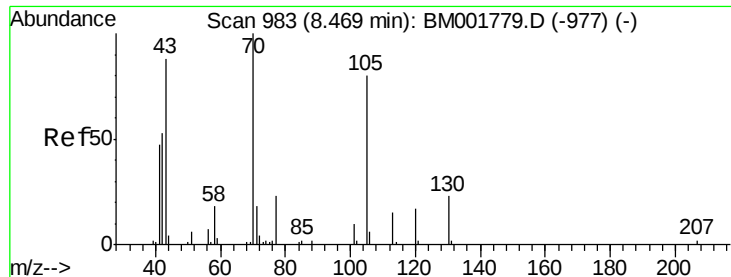
#14
Acetophenone
Concen: 4.44 ng/ul
RT: 8.48 min Scan# 985
Delta R.T. 0.00 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

Tgt Ion:105 Resp: 28799
Ion Ratio Lower Upper
105 100
77 84.1 64.2 96.4
51 28.8 22.0 33.0



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

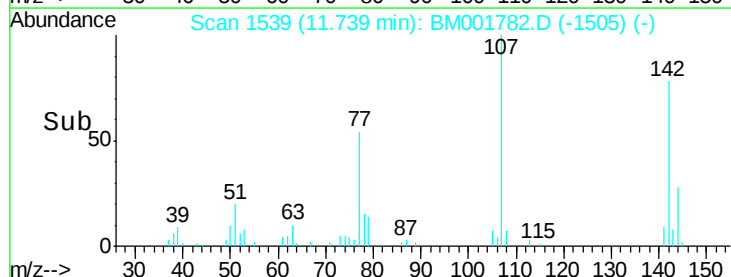
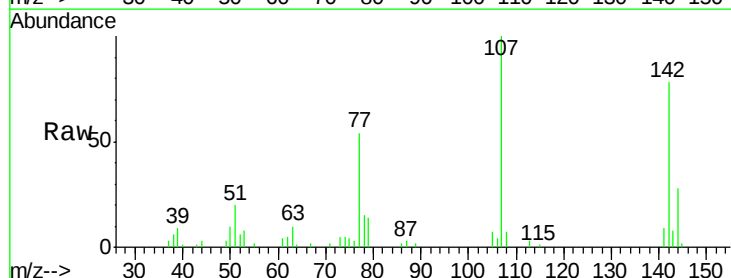
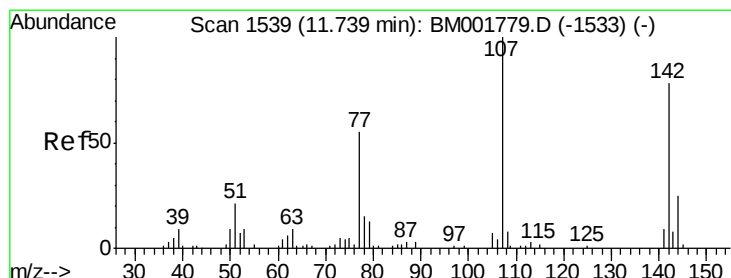
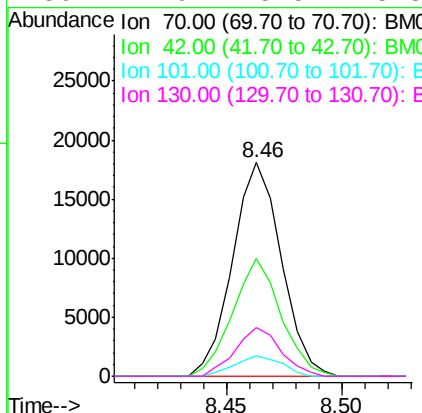




#15
N-Nitroso-di-n-propylamine
Concen: 8.41 ng/ul
RT: 8.46 min Scan# 982
Delta R.T. -0.01 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

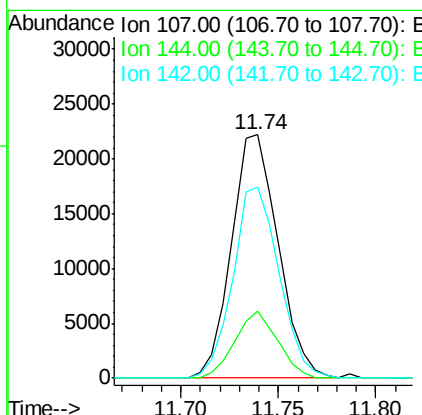
Instrument :
BNA_M
ClientSampleId :
H0FA2MS

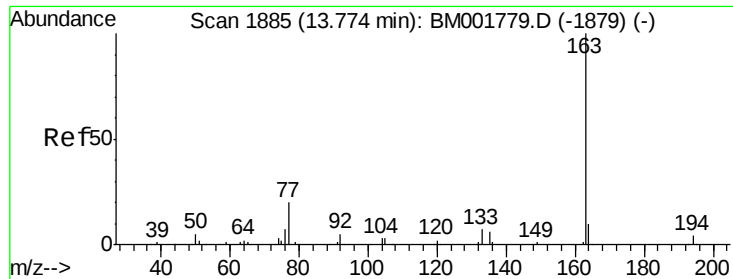
Tgt Ion:	70	Resp:	26663
Ion	Ratio	Lower	Upper
70	100		
42	54.9	45.2	67.8
101	9.8	7.8	11.6
130	22.9	15.5	23.3



#33
4-Chloro-3-methylphenol
Concen: 8.48 ng/ul
RT: 11.74 min Scan# 1539
Delta R.T. 0.00 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

Tgt Ion:	107	Resp:	36891
Ion	Ratio	Lower	Upper
107	100		
144	27.7	20.2	30.4
142	78.4	57.7	86.5





#44

Dimethylphthalate

Concen: 2.54 ng/ul

RT: 13.77 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

Instrument :

BNA_M

ClientSampleId :

H0FA2MS

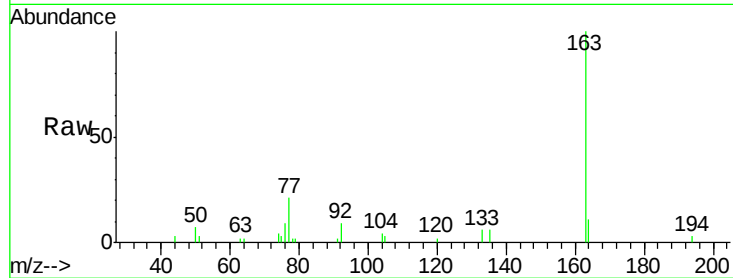
Tgt Ion:163 Resp: 30836

Ion Ratio Lower Upper

163 100

194 3.4 3.6 5.4#

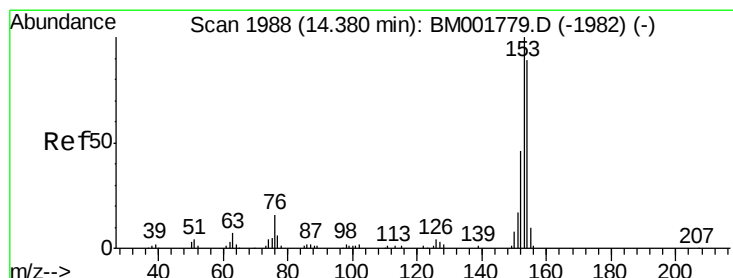
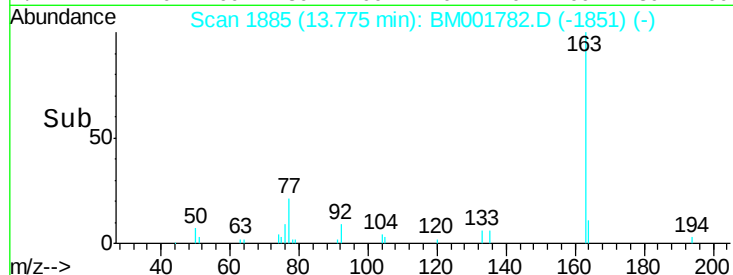
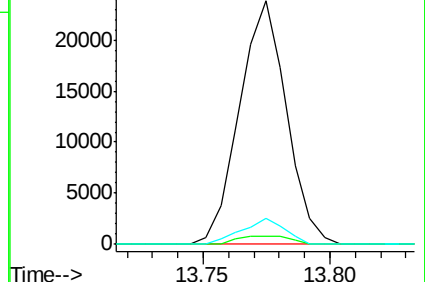
164 10.9 8.0 12.0



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



#49

Acenaphthene

Concen: 8.99 ng/ul

RT: 14.38 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

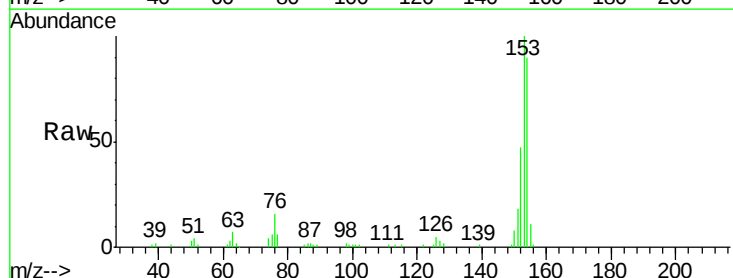
Tgt Ion:153 Resp: 89346

Ion Ratio Lower Upper

153 100

152 47.2 36.6 55.0

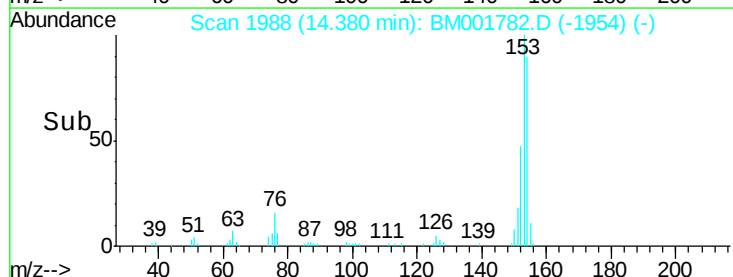
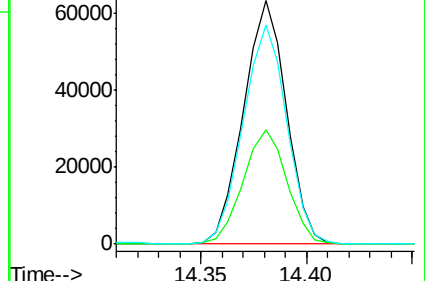
154 90.0 72.6 108.8

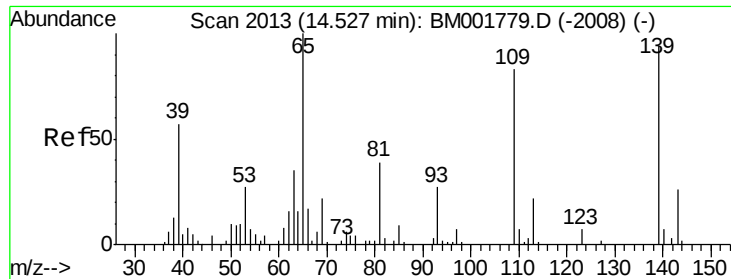


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

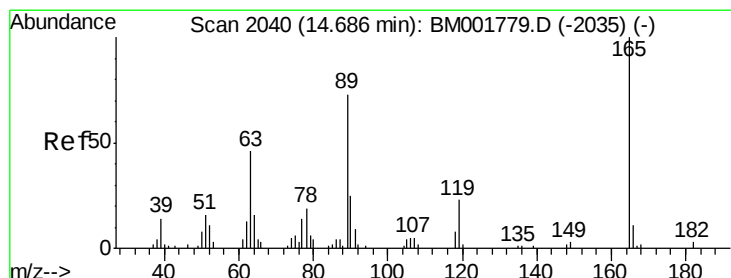
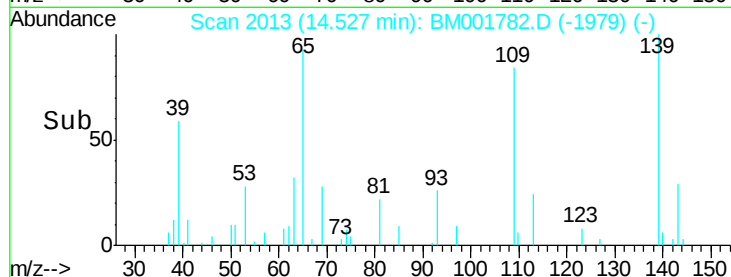
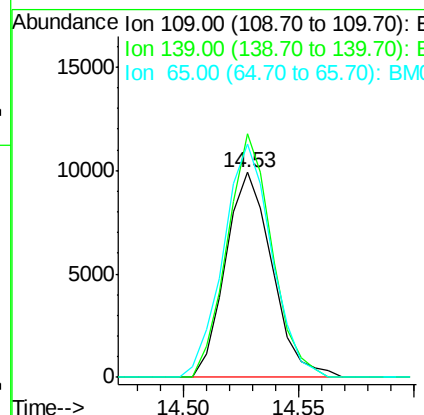
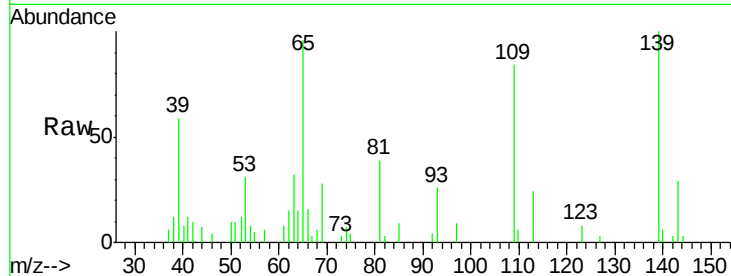




#52
4-Nitrophenol
Concen: 6.58 ng/ul
RT: 14.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

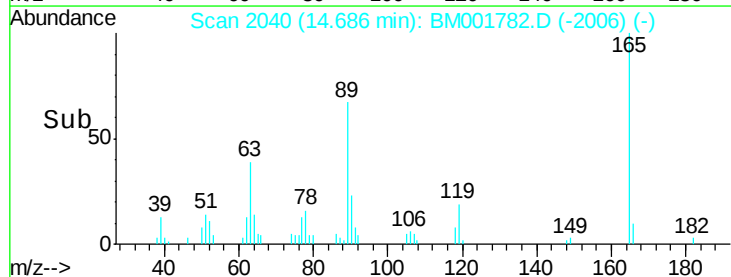
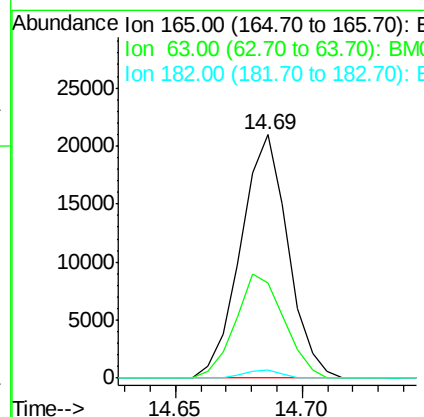
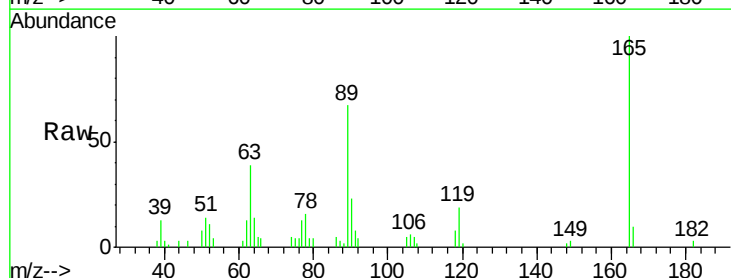
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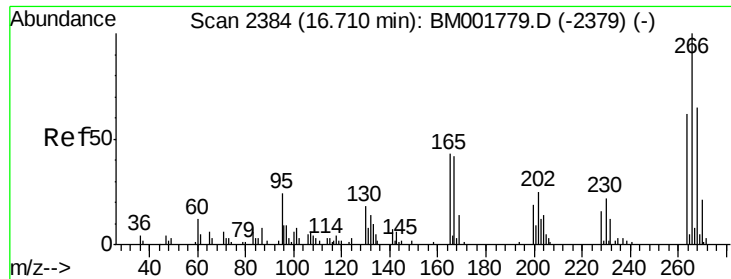
Tgt Ion:109 Resp: 13953
Ion Ratio Lower Upper
109 100
139 118.7 81.7 122.5
65 114.0 94.3 141.5



#54
2,4-Dinitrotoluene
Concen: 8.06 ng/ul
RT: 14.69 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BM001782.D
Acq: 24 Jun 2015 15:07

Tgt Ion:165 Resp: 27161
Ion Ratio Lower Upper
165 100
63 38.9 35.4 53.2
182 3.1 2.1 3.1





#68

Pentachlorophenol

Concen: 6.53 ng/ul

RT: 16.71 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

Instrument :

BNA_M

ClientSampleId :

H0FA2MS

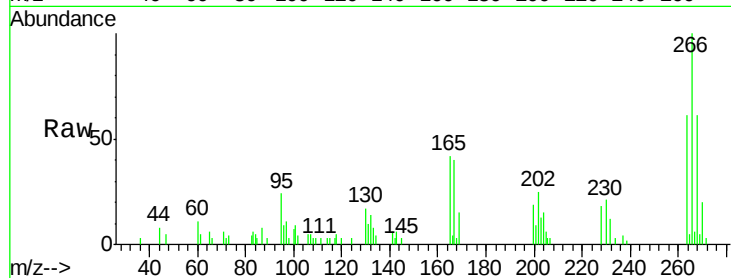
Tgt Ion:266 Resp: 16874

Ion Ratio Lower Upper

266 100

264 60.8 50.8 76.2

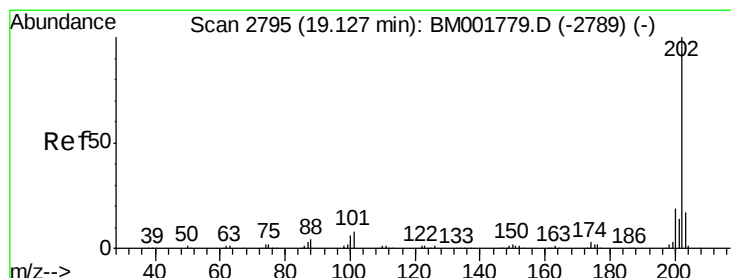
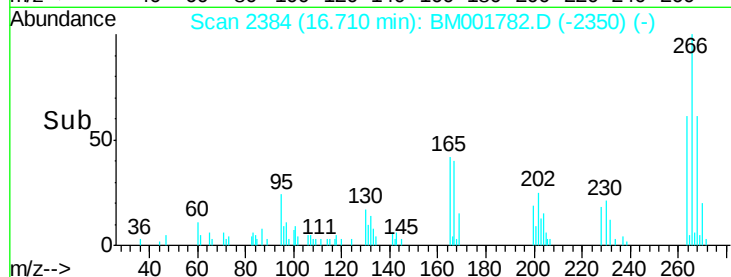
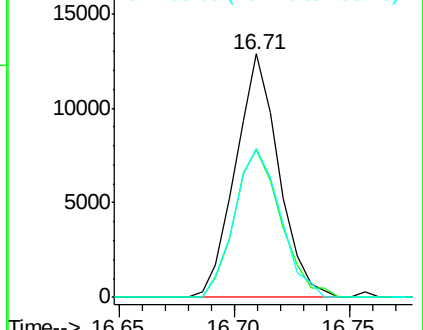
268 60.9 52.0 78.0



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



#76

Fluoranthene

Concen: 1.81 ng/ul

RT: 19.12 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

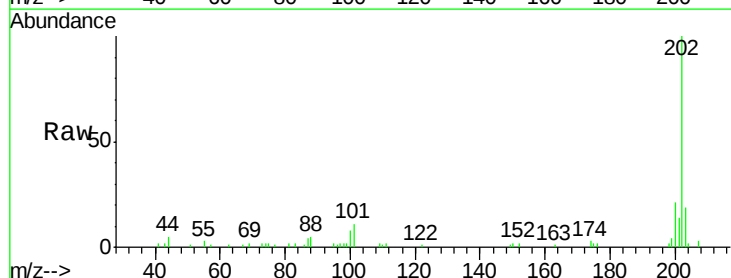
Tgt Ion:202 Resp: 39380

Ion Ratio Lower Upper

202 100

101 11.0 6.1 9.1#

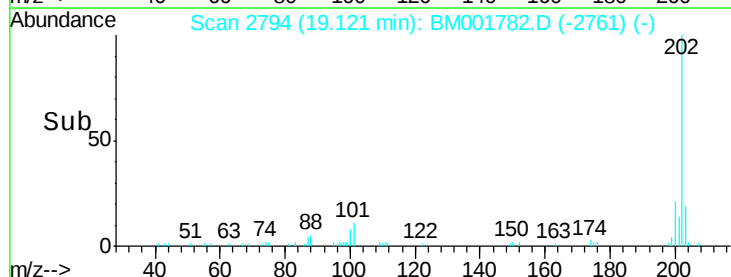
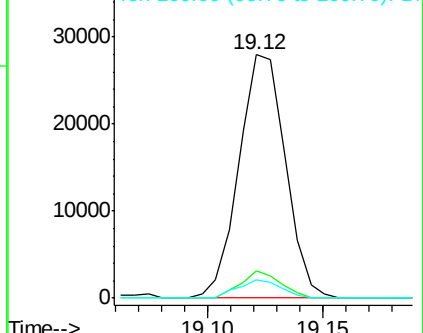
100 7.5 4.8 7.2#

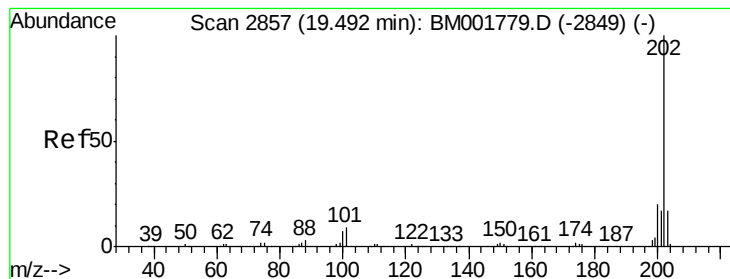


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 11.02 ng/ul

RT: 19.49 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

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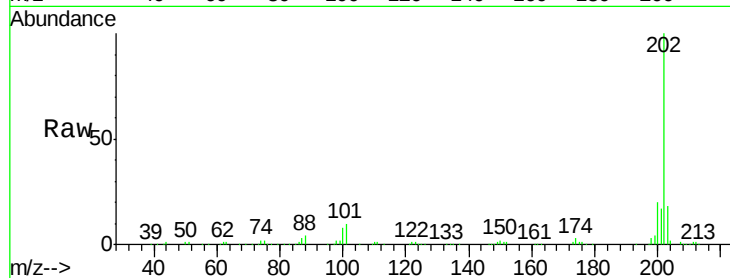
Tgt Ion:202 Resp: 235663

Ion Ratio Lower Upper

202 100

101 9.6 6.9 10.3

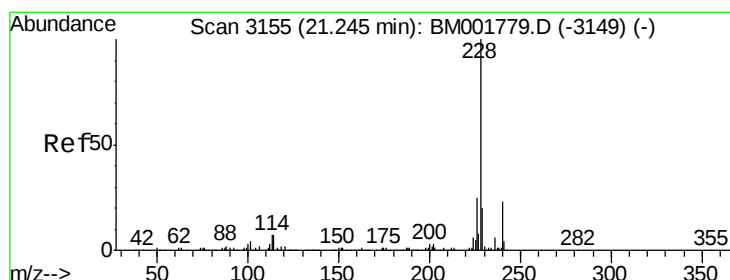
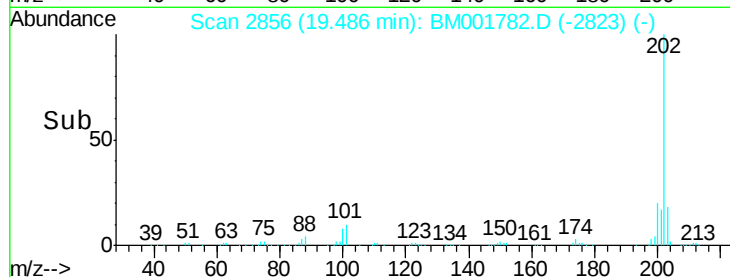
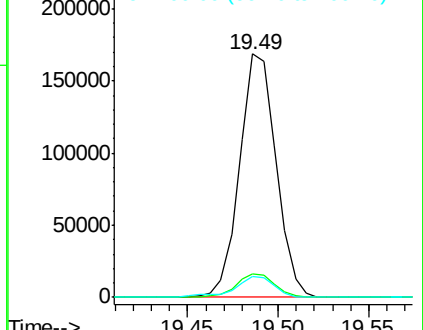
100 8.4 6.2 9.2



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



#82

Benzo(a)anthracene

Concen: 1.01 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. 0.05 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

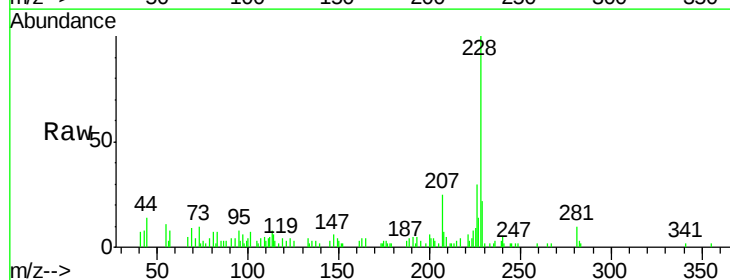
Tgt Ion:228 Resp: 22791

Ion Ratio Lower Upper

228 100

229 21.7 15.4 23.0

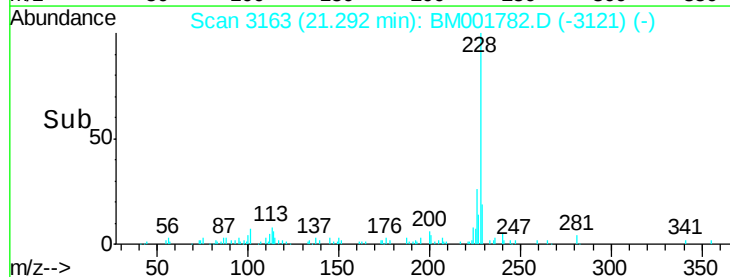
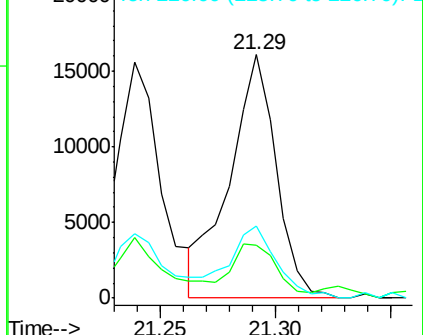
226 29.8 20.6 30.8

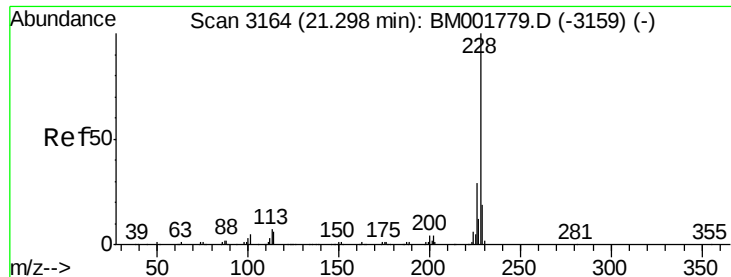


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 1.07 ng/ul

RT: 21.29 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

Instrument :

BNA_M

ClientSampleId :

H0FA2MS

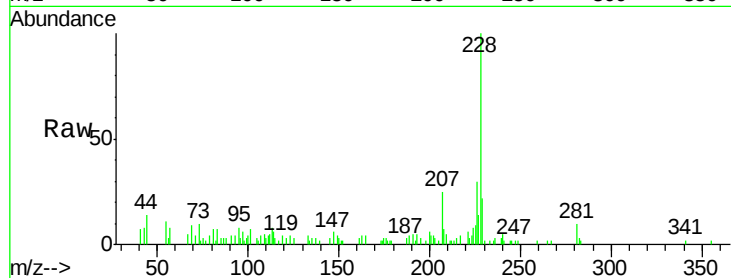
Tgt Ion:228 Resp: 22791

Ion Ratio Lower Upper

228 100

226 29.8 23.0 34.4

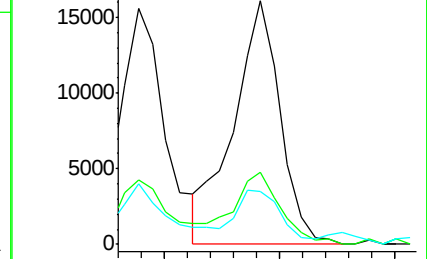
229 21.7 15.4 23.2



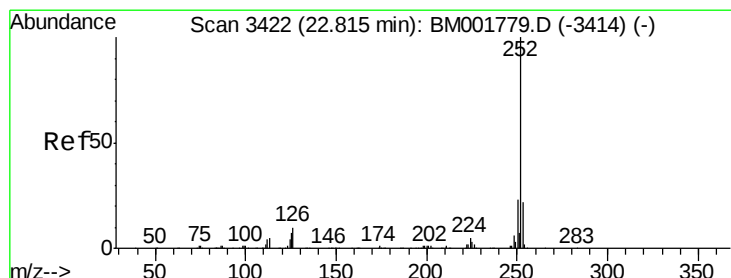
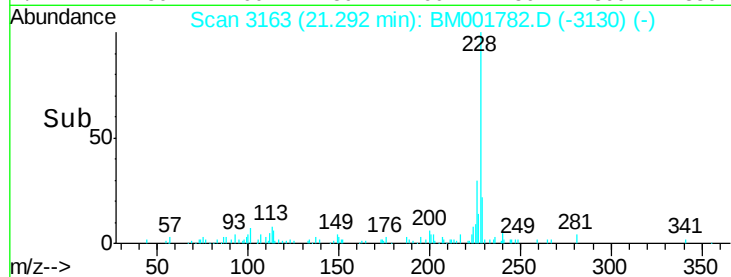
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 1.66 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BM001782.D

Acq: 24 Jun 2015 15:07

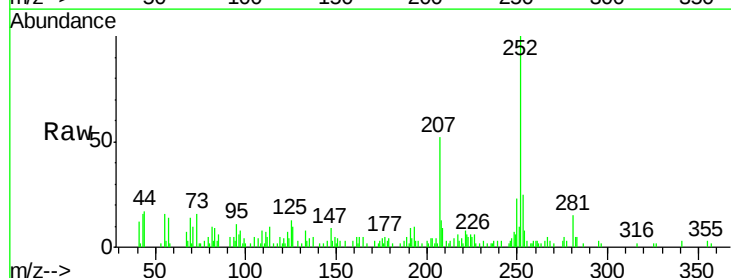
Tgt Ion:252 Resp: 36853

Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.6

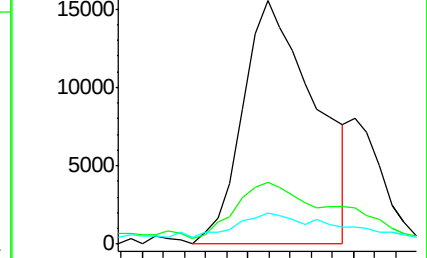
125 12.9 5.3 7.9#



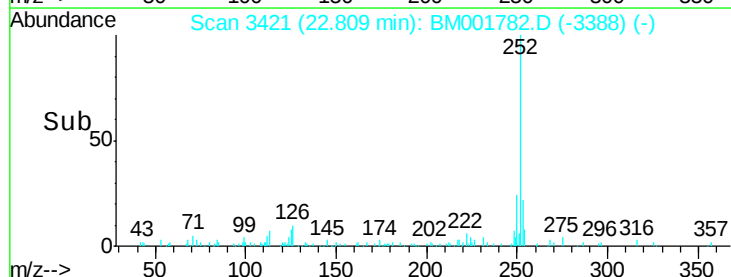
Abundance Ion 252.00 (251.70 to 252.70): E

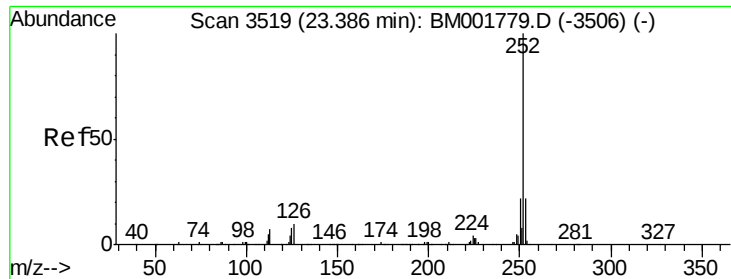
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 1.05 ng/ul

RT: 23.38 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BM001782.D

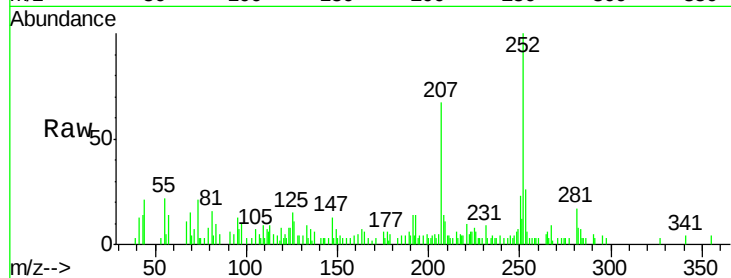
Acq: 24 Jun 2015 15:07

Instrument :

BNA_M

ClientSampleId :

H0FA2MS



Tgt Ion:	252	Resp:	22680
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.0#
125	15.1	6.0	9.0#

