

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM004990.D
 Acq On : 20 Apr 2016 12:44
 Operator : UM/SJ
 Sample : H2566-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2385

Quant Time: Apr 21 10:12:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 15 22:59:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	52157	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	225323	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	131013	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	305326	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	353049	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	332664	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	6346	6.52	ng/uL	0.00
5) Phenol-d5	6.97	99	128964	34.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	74163	34.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	103852	33.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	102471	33.32	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	47571	31.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	52781	31.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	97894	32.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	40668	11.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	315131	35.36	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	376009	34.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	46984	30.90	ng/ul	0.01
57) Fluorene-d10	15.44	176	270678	35.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	46084	34.89	ng/ul	0.00
70) Anthracene-d10	17.29	188	442984	36.51	ng/ul	0.00
76) Pyrene-d10	19.59	212	497470	33.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	486351	37.96	ng/ul	0.00

Target Compounds

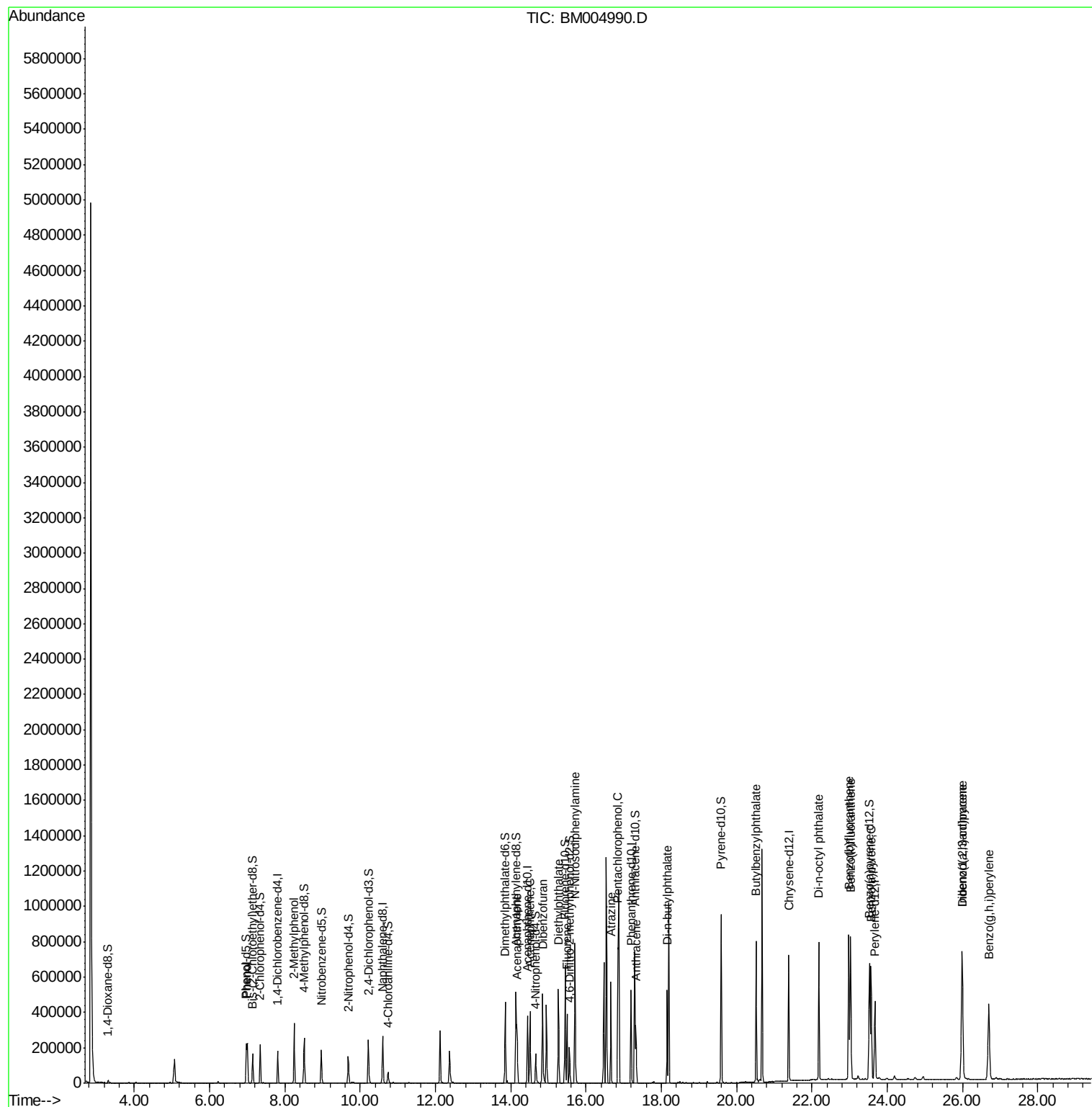
						Qvalue
6) Phenol	7.00	94	128014	33.22	ng/ul	99
11) 2-Methylphenol	8.25	108	119086	39.32	ng/ul	98
47) Acenaphthylene	14.17	152	238246	20.53	ng/ul	100
49) Acenaphthene	14.51	153	162260	21.48	ng/ul	100
53) Dibenzofuran	14.84	168	276324	25.27	ng/ul	100
56) Diethylphthalate	15.26	149	302323	34.80	ng/ul	100
58) Fluorene	15.49	166	183410	21.81	ng/ul	100
64) N-Nitrosodiphenylamine	15.70	169	319774	40.57	ng/ul	97
67) Atrazine	16.66	200	107015	40.12	ng/ul	98
68) Pentachlorophenol	16.84	266	129497	74.93	ng/ul	98
71) Anthracene	17.33	178	211178	14.65	ng/ul	99
73) Di-n-butylphthalate	18.15	149	395782	27.09	ng/ul	99
78) Butylbenzylphthalate	20.52	149	243219	33.70	ng/ul	97
84) Di-n-octyl phthalate	22.18	149	523960	32.82	ng/ul	100
85) Benzo(b)fluoranthene	22.98	252	623194	37.76	ng/ul	100
86) Benzo(k)fluoranthene	23.03	252	556533	34.97	ng/ul	99
88) Benzo(a)pyrene	23.57	252	503691	31.87	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.99	276	646556	36.77	ng/ul	96
90) Dibenzo(a,h)anthracene	25.99	278	329069	22.34	ng/ul	99
91) Benzo(g,h,i)perylene	26.70	276	544732	36.79	ng/ul	99

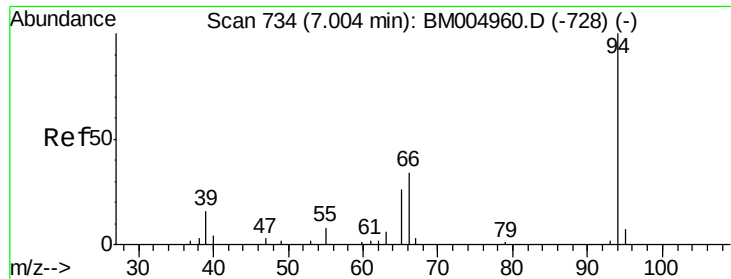
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 33.22 ng/ul

RT: 7.00 min Scan# 734

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

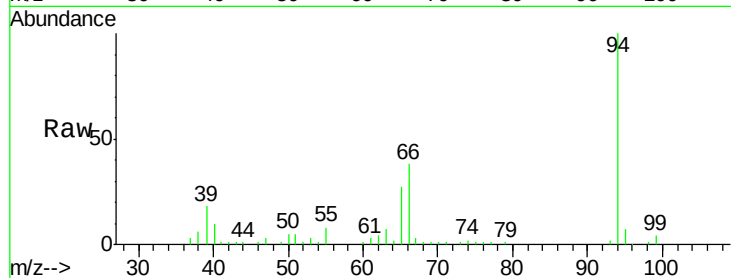
Tgt Ion: 94 Resp: 128014

Ion Ratio Lower Upper

94 100

65 27.2 21.6 32.4

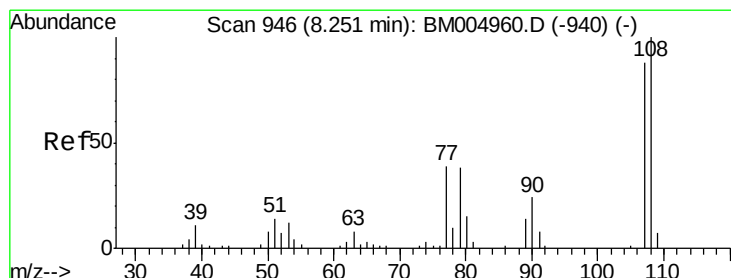
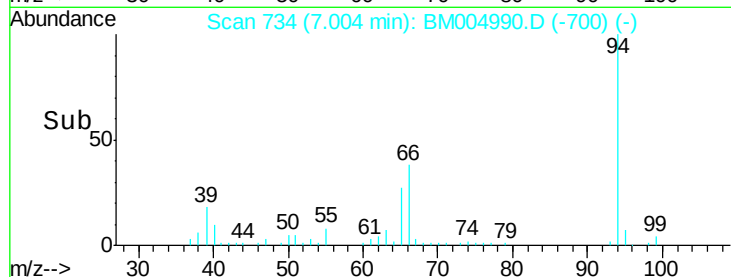
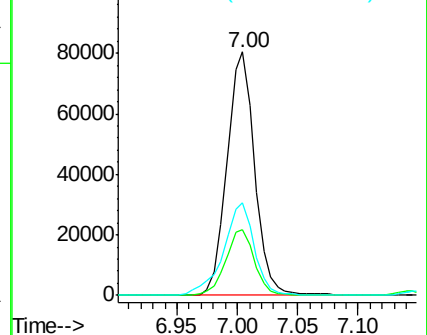
66 37.8 29.6 44.4



Abundance Ion 94.00 (93.70 to 94.70): BM004990.D (-700) (-)

Ion 65.00 (64.70 to 65.70): BM004990.D (-700) (-)

Ion 66.00 (65.70 to 66.70): BM004990.D (-700) (-)



#11

2-Methylphenol

Concen: 39.32 ng/ul

RT: 8.25 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM004990.D

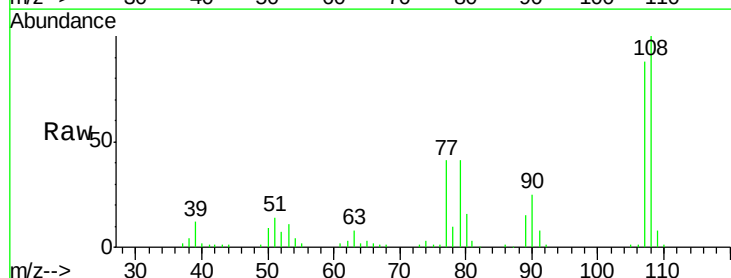
Acq: 20 Apr 2016 12:44

Tgt Ion: 108 Resp: 119086

Ion Ratio Lower Upper

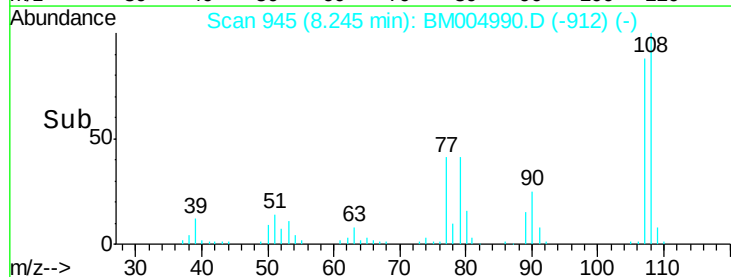
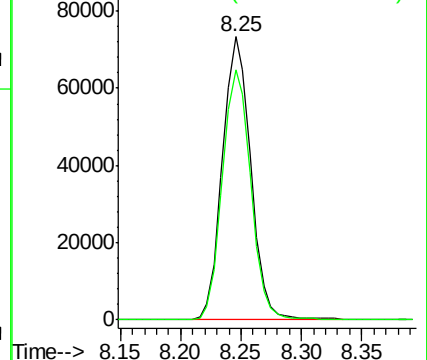
108 100

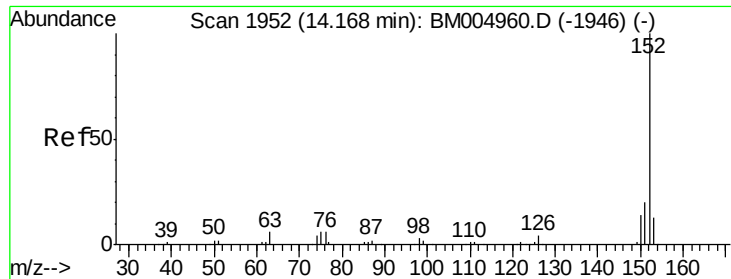
107 88.3 69.4 104.0



Abundance Ion 108.00 (107.70 to 108.70): BM004990.D (-912) (-)

Ion 107.00 (106.70 to 107.70): BM004990.D (-912) (-)





#47

Acenaphthylene

Concen: 20.53 ng/ul

RT: 14.17 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

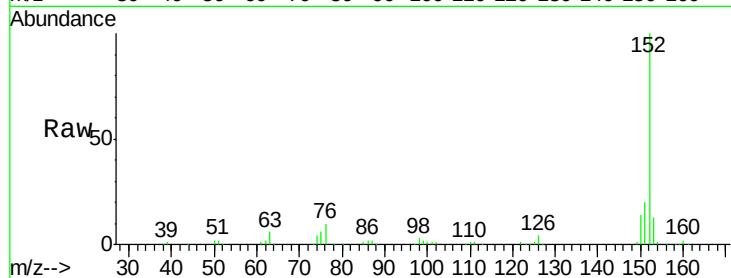
Tgt Ion:152 Resp: 238246

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

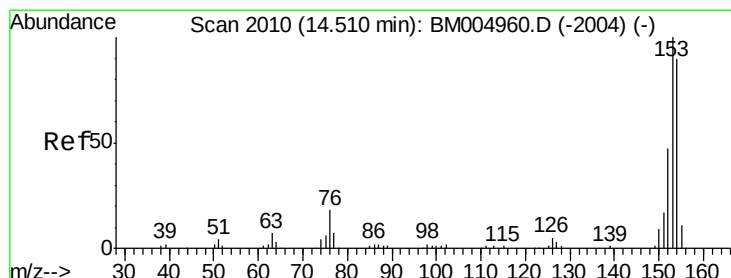
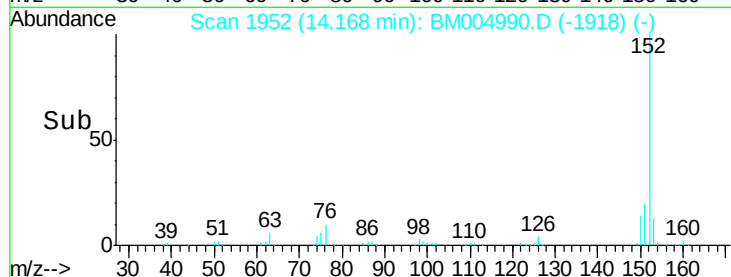
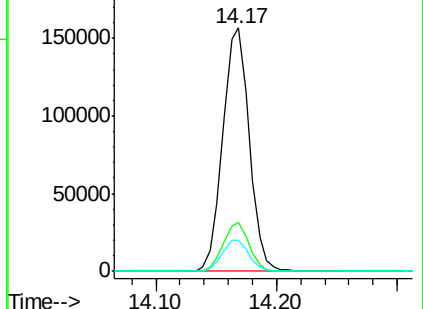
153 12.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 21.48 ng/ul

RT: 14.51 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

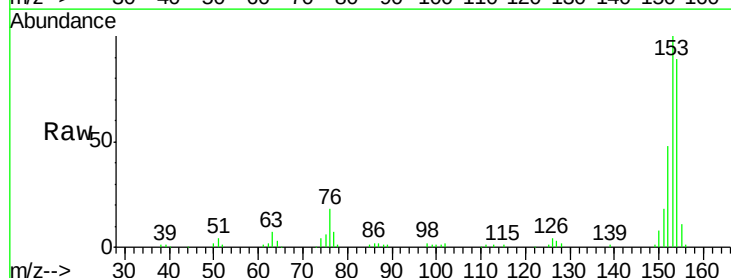
Tgt Ion:153 Resp: 162260

Ion Ratio Lower Upper

153 100

152 47.8 37.7 56.5

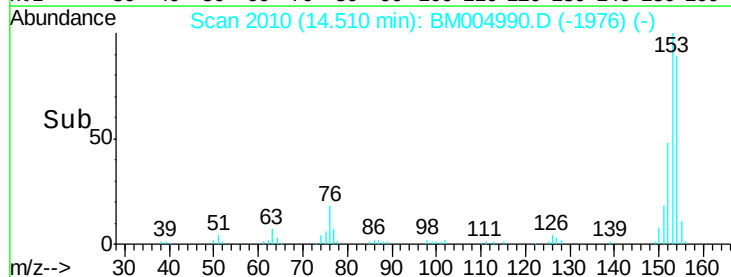
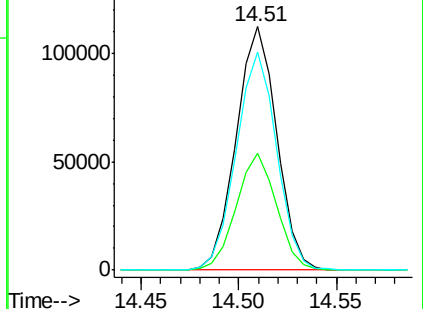
154 89.4 71.4 107.2

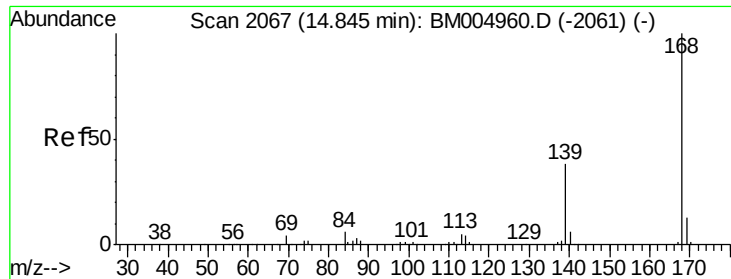


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

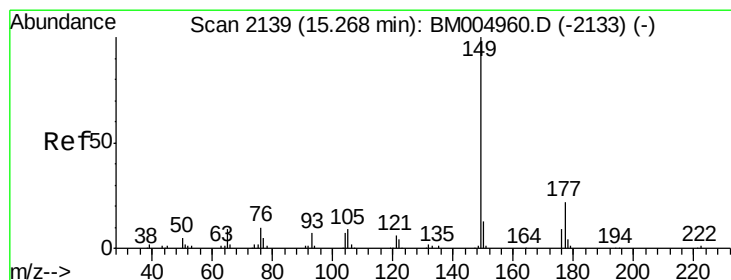
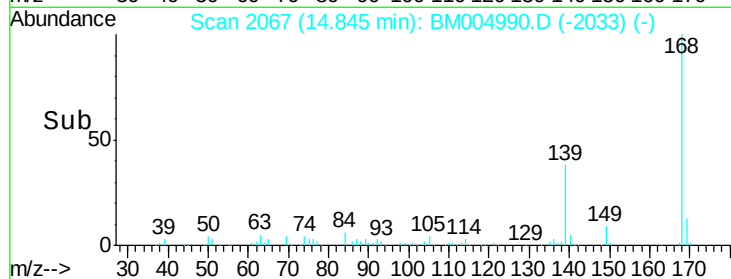
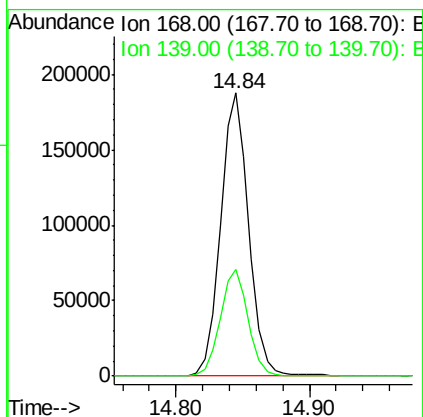
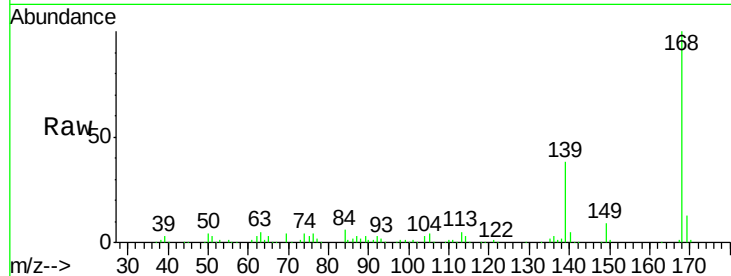




#53
Dibenzenofuran
Concen: 25.27 ng/ul
RT: 14.84 min Scan# 2067
Delta R.T. 0.00 min
Lab File: BM004990.D
Acq: 20 Apr 2016 12:44

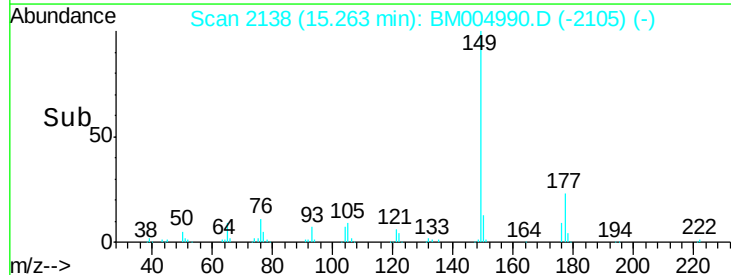
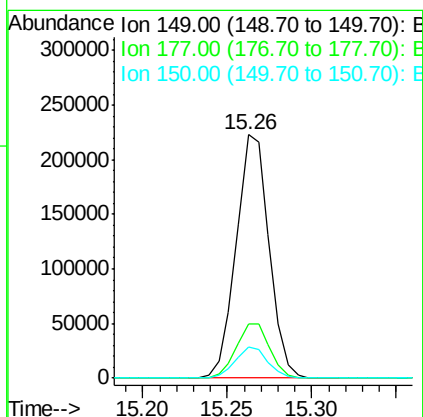
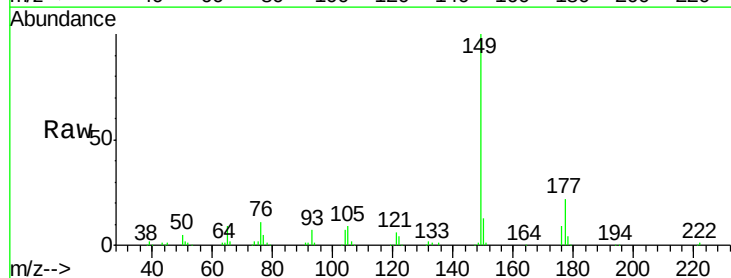
Instrument :
BNA_M
ClientSampleId :
X2385

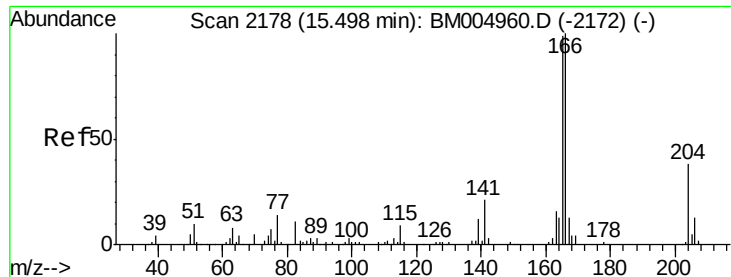
Tgt Ion:168 Resp: 276324
Ion Ratio Lower Upper
168 100
139 37.6 29.9 44.9



#56
Diethylphthalate
Concen: 34.80 ng/ul
RT: 15.26 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BM004990.D
Acq: 20 Apr 2016 12:44

Tgt Ion:149 Resp: 302323
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.5 9.8 14.6





#58

Fluorene

Concen: 21.81 ng/ul

RT: 15.49 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

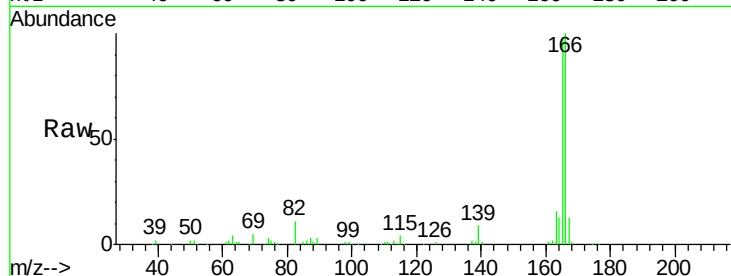
Tgt Ion:166 Resp: 183410

Ion Ratio Lower Upper

166 100

165 97.6 77.7 116.5

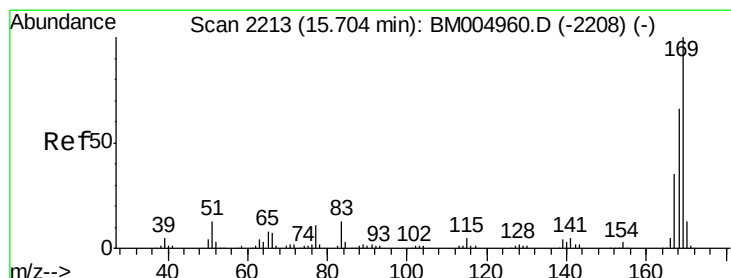
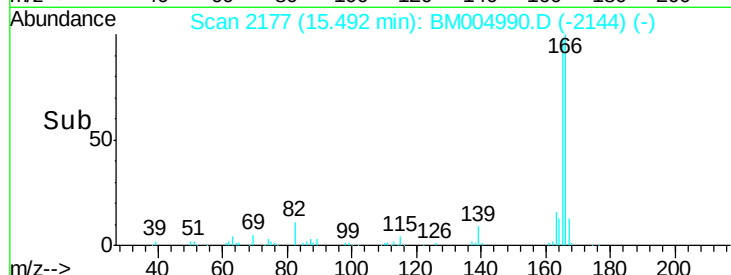
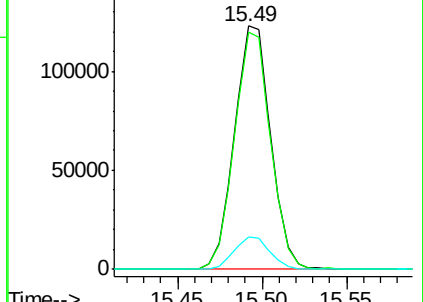
167 13.5 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 40.57 ng/ul

RT: 15.70 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

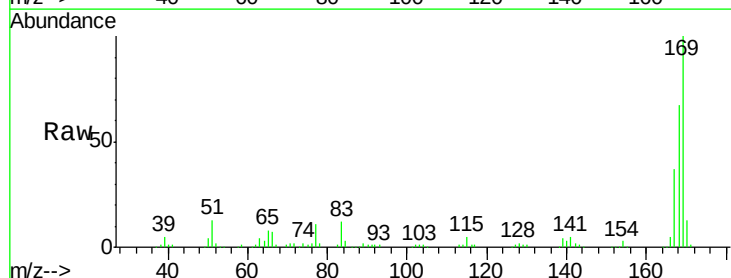
Tgt Ion:169 Resp: 319774

Ion Ratio Lower Upper

169 100

168 66.8 51.8 77.6

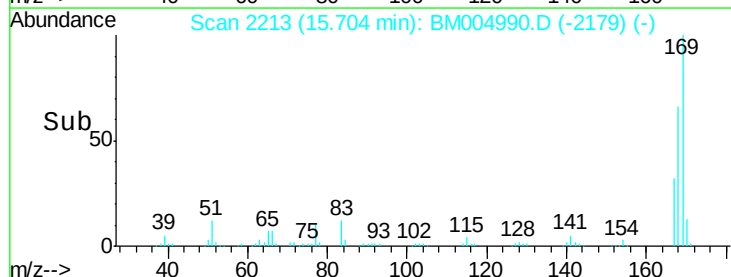
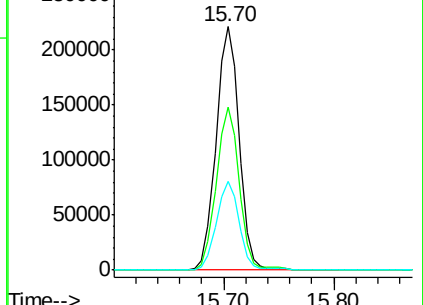
167 36.5 28.2 42.2

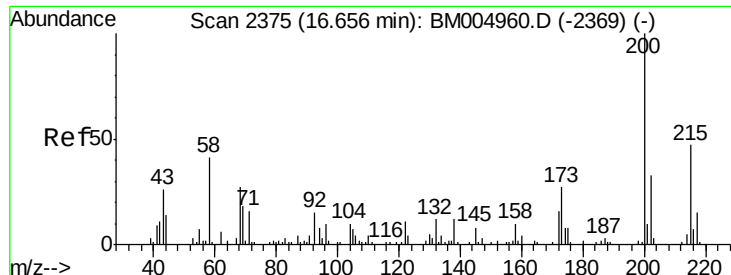


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

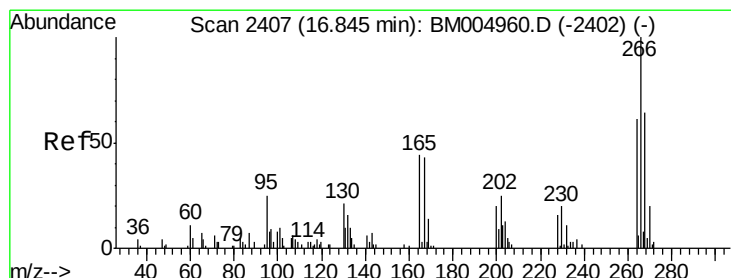
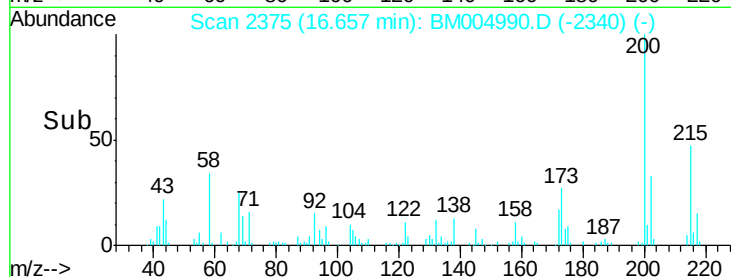
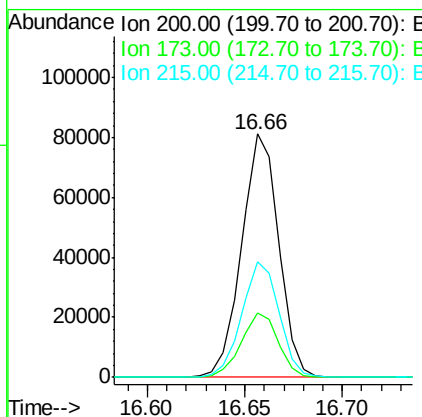
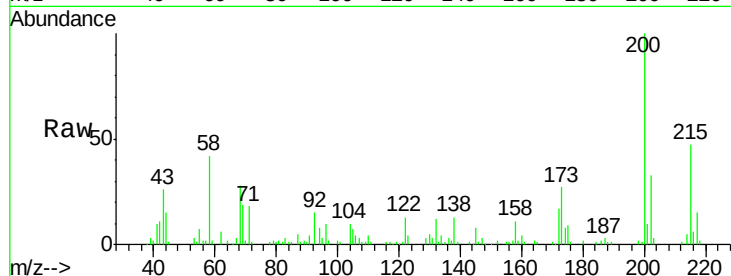




#67
 Atrazine
 Concen: 40.12 ng/ul
 RT: 16.66 min Scan# 2375
 Delta R.T. 0.01 min
 Lab File: BM004990.D
 Acq: 20 Apr 2016 12:44

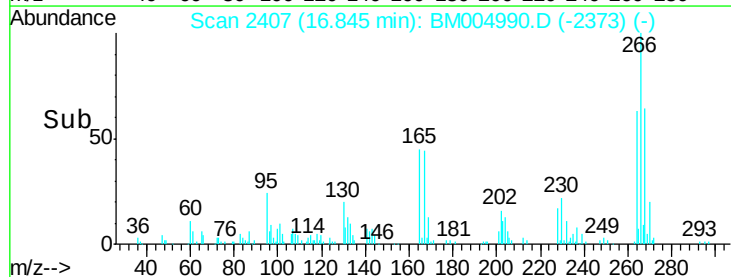
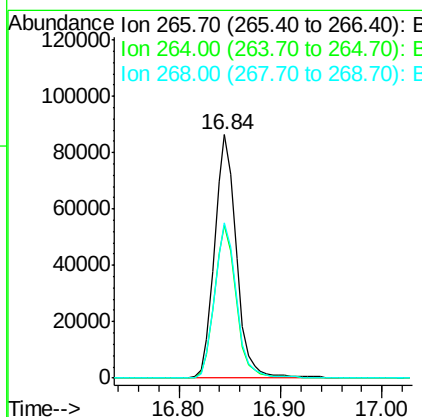
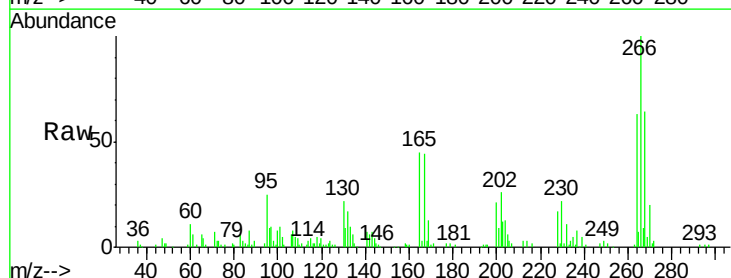
Instrument :
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 ClientSampled :
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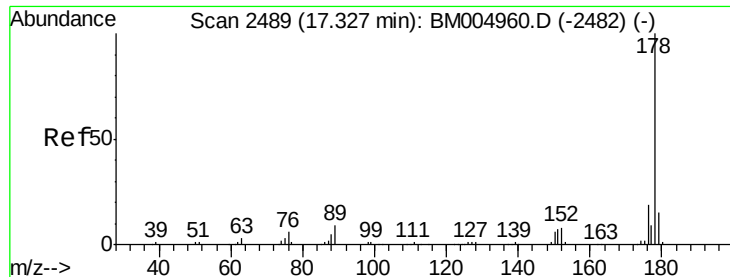
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.6	21.0	31.4
215	47.3	39.4	59.2



#68
 Pentachlorophenol
 Concen: 74.93 ng/ul
 RT: 16.84 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM004990.D
 Acq: 20 Apr 2016 12:44

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.8	74.6
268	64.0	49.6	74.4

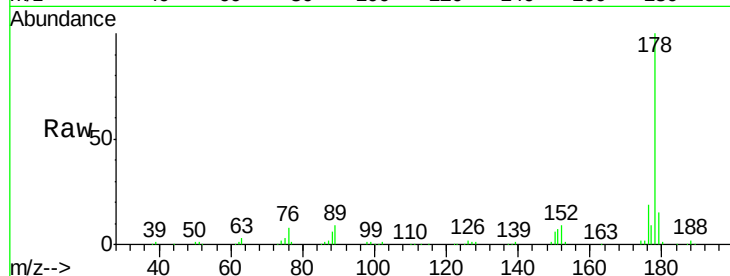




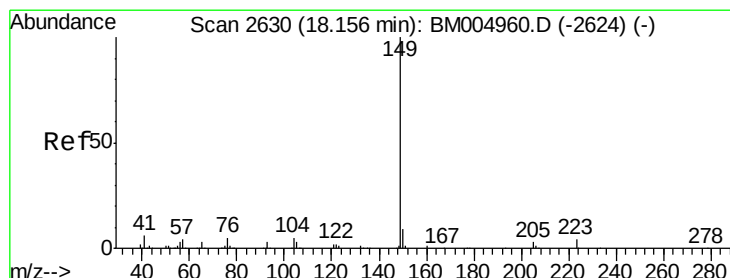
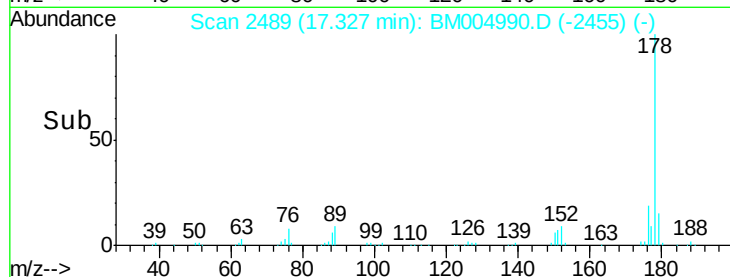
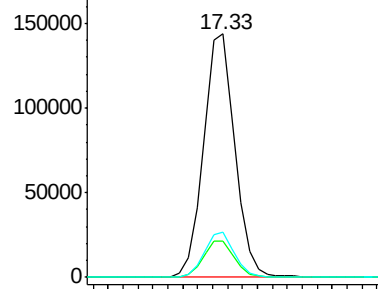
#71
 Anthracene
 Concen: 14.65 ng/ul
 RT: 17.33 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BM004990.D
 Acq: 20 Apr 2016 12:44

Instrument :
 BNA_M
 ClientSampleId :
 X2385

Tgt Ion:178 Resp: 211178
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.1 18.1
 176 18.5 14.6 22.0

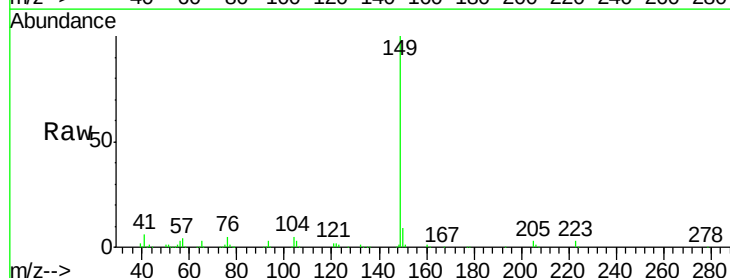


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

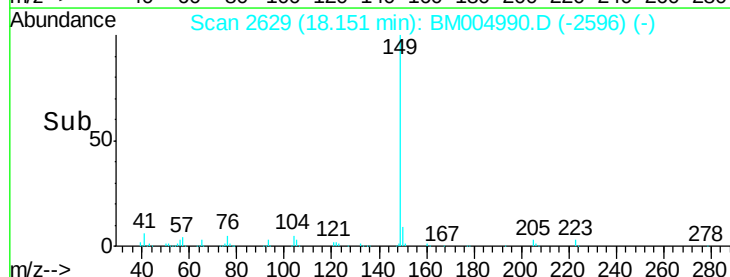
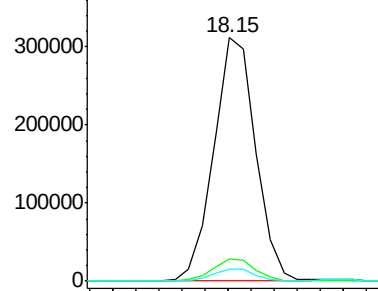


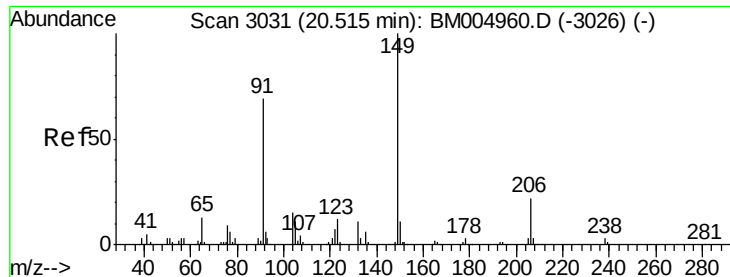
#73
 Di-n-butylphthalate
 Concen: 27.09 ng/ul
 RT: 18.15 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BM004990.D
 Acq: 20 Apr 2016 12:44

Tgt Ion:149 Resp: 395782
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.3 10.9
 104 5.1 3.9 5.9



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

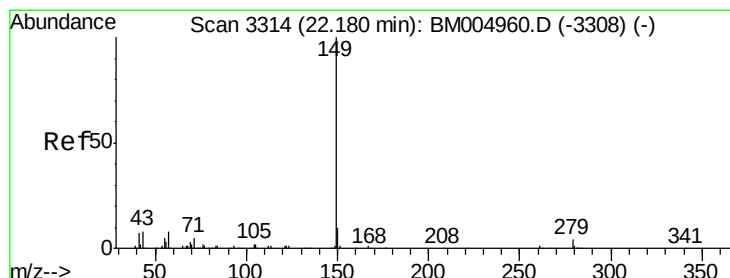
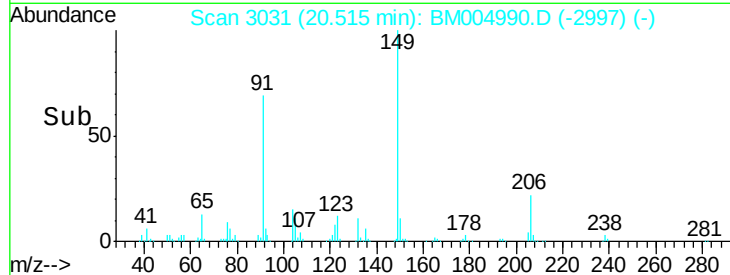
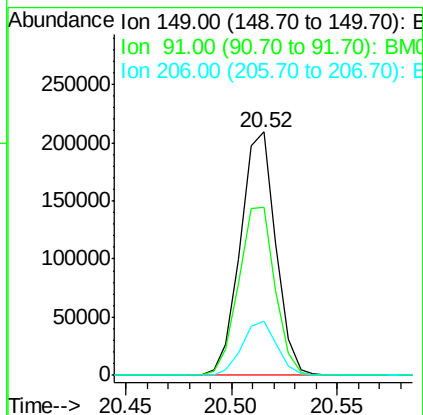
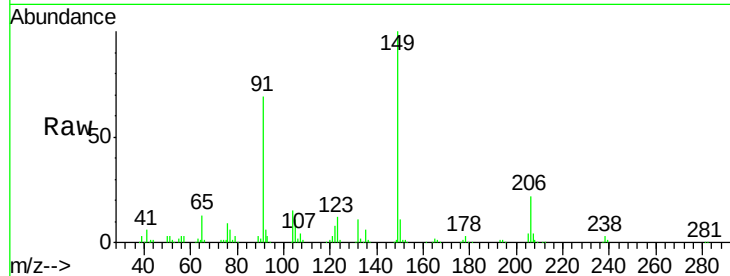




#78
Butylbenzylphthalate
Concen: 33.70 ng/ul
RT: 20.52 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BM004990.D
Acq: 20 Apr 2016 12:44

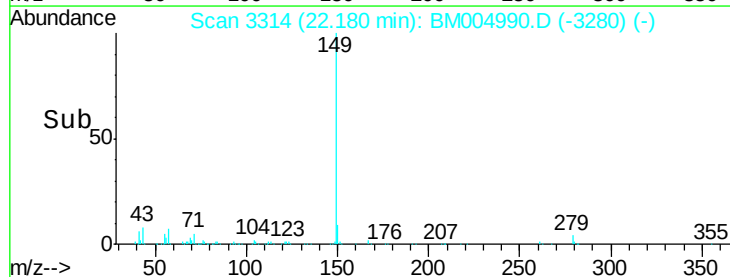
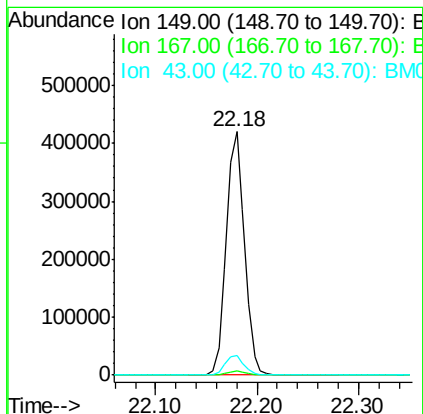
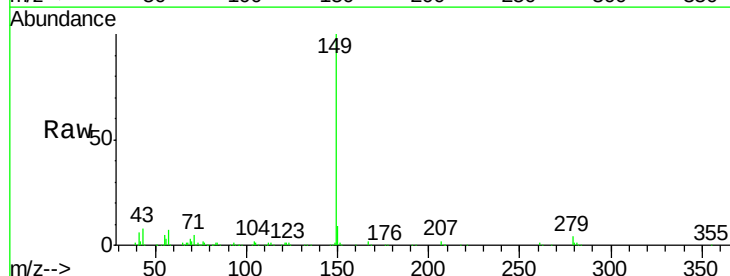
Instrument :
BNA_M
ClientSampleId :
X2385

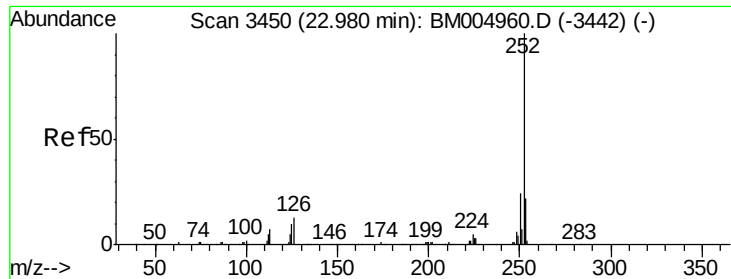
Tgt Ion:149 Resp: 243219
Ion Ratio Lower Upper
149 100
91 69.1 57.0 85.6
206 22.5 16.6 24.8



#84
Di-n-octyl phthalate
Concen: 32.82 ng/ul
RT: 22.18 min Scan# 3314
Delta R.T. 0.00 min
Lab File: BM004990.D
Acq: 20 Apr 2016 12:44

Tgt Ion:149 Resp: 523960
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.4 9.6





#85

Benzo(b)fluoranthene

Concen: 37.76 ng/ul

RT: 22.98 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

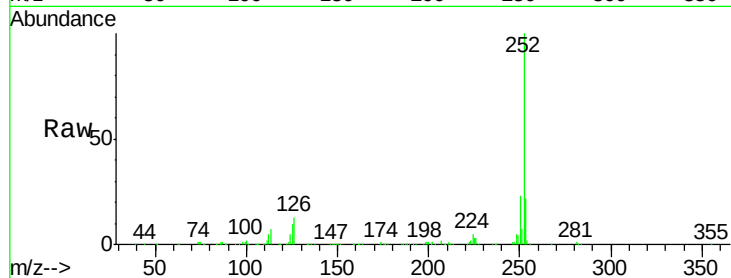
Tgt Ion:252 Resp: 623194

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

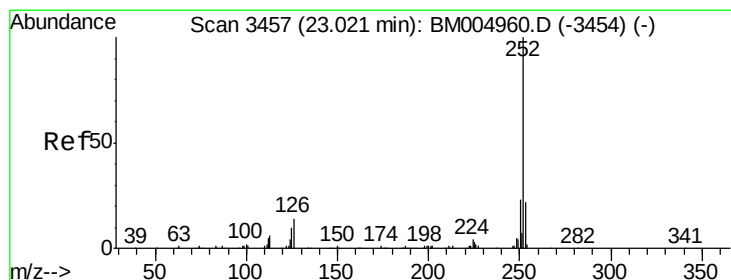
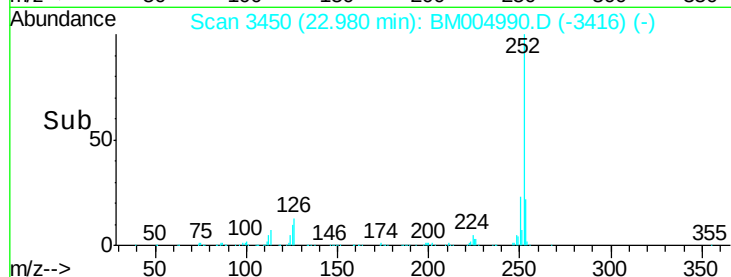
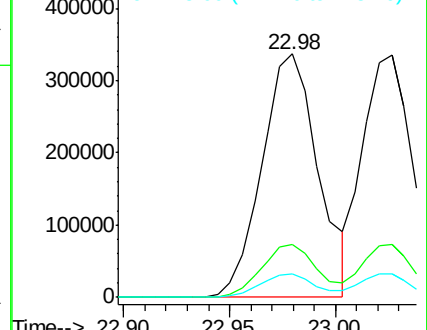
125 9.5 7.8 11.6



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



#86

Benzo(k)fluoranthene

Concen: 34.97 ng/ul

RT: 23.03 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

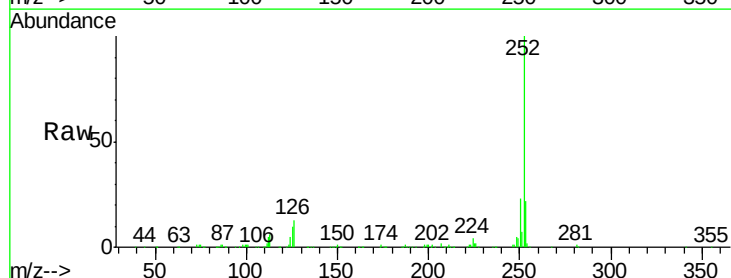
Tgt Ion:252 Resp: 556533

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

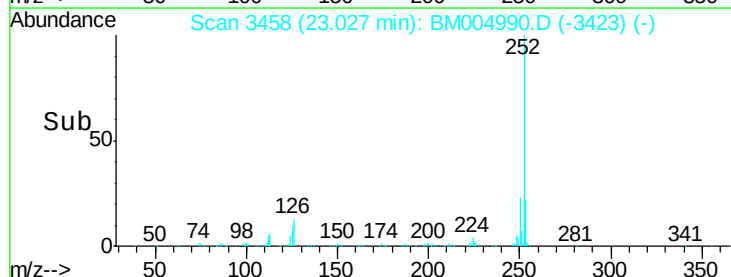
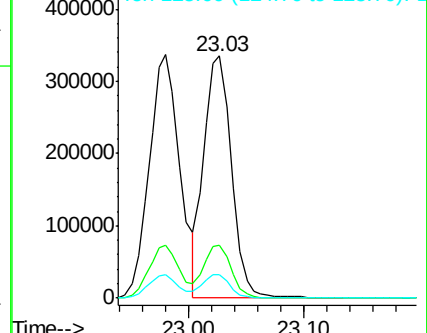
125 9.5 7.9 11.9

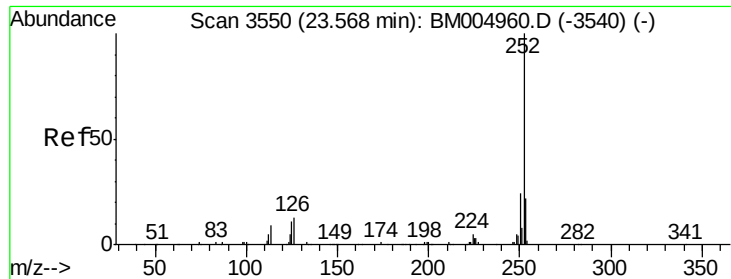


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 31.87 ng/ul

RT: 23.57 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

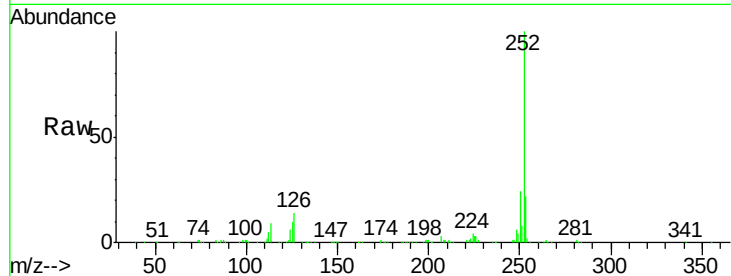
Tgt Ion:252 Resp: 503691

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

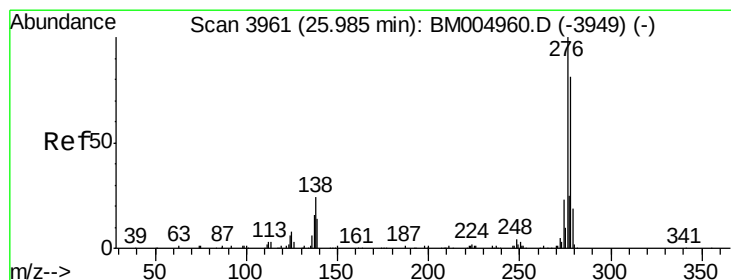
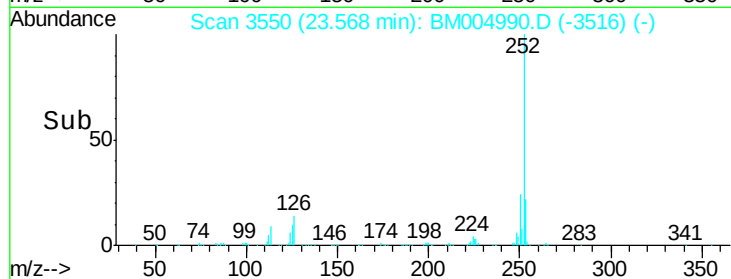
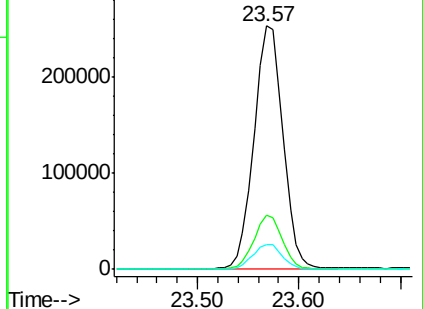
125 10.4 8.3 12.5



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 36.77 ng/ul

RT: 25.99 min Scan# 3961

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

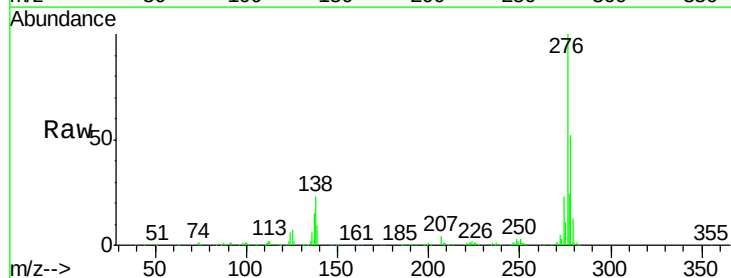
Tgt Ion:276 Resp: 646556

Ion Ratio Lower Upper

276 100

138 22.6 20.2 30.4

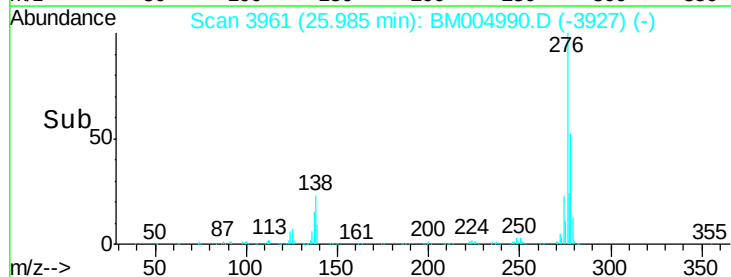
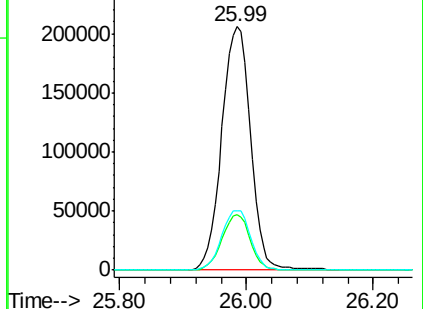
277 24.5 20.4 30.6

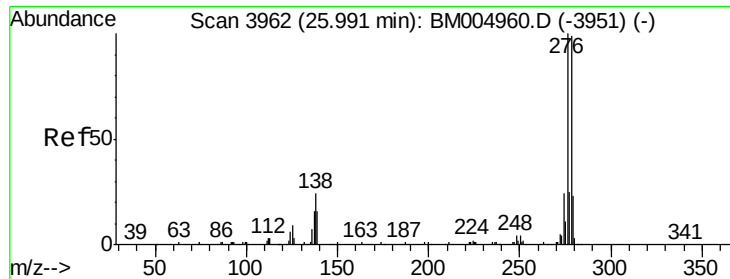


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 22.34 ng/ul

RT: 25.99 min Scan# 3962

Delta R.T. 0.00 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

Instrument :

BNA_M

ClientSampleId :

X2385

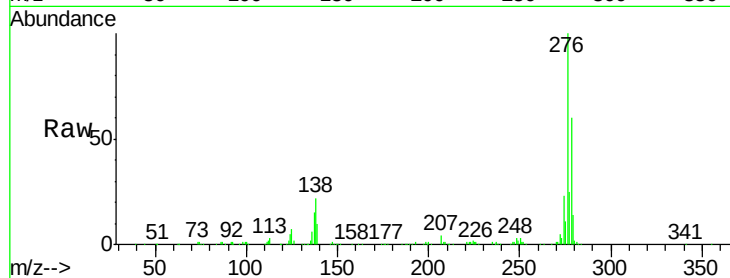
Tgt Ion:278 Resp: 329069

Ion Ratio Lower Upper

278 100

139 16.4 12.6 19.0

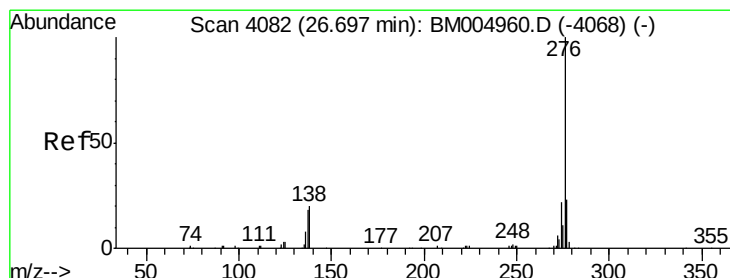
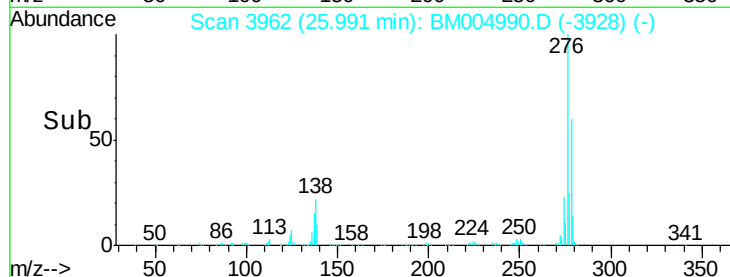
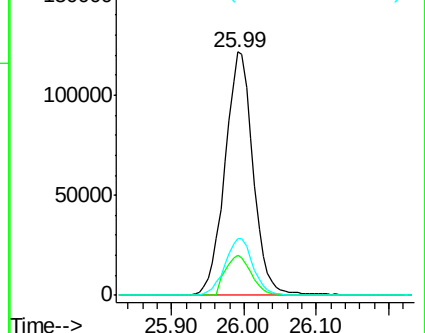
279 23.3 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 36.79 ng/ul

RT: 26.70 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BM004990.D

Acq: 20 Apr 2016 12:44

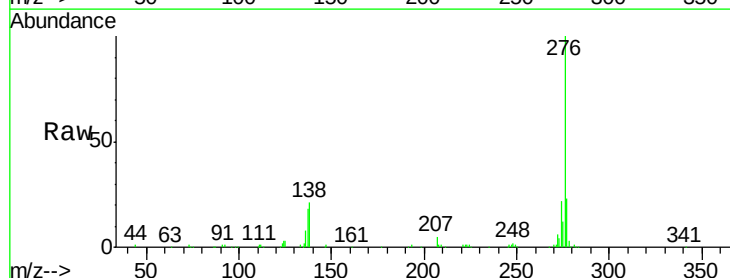
Tgt Ion:276 Resp: 544732

Ion Ratio Lower Upper

276 100

138 21.1 17.4 26.2

277 23.2 19.0 28.4



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

