

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041516\
 Data File : BM004961.D
 Acq On : 15 Apr 2016 16:42
 Operator : UM/SJ
 Sample : H2298-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T72

Quant Time: Apr 15 23:04:18 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	83500	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	386460	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	237338	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	558254	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	531707	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	429208	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	8364	5.36	ng/uL	0.00
5) Phenol-d5	6.98	99	197505	33.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	107483	31.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	152875	30.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	163006	33.10	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	77704	30.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	88530	30.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	164854	31.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	118640	20.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	535762	33.18	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	615430	31.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	81880	29.72	ng/ul	0.02
57) Fluorene-d10	15.45	176	441235	31.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	81354	33.69	ng/ul	0.00
70) Anthracene-d10	17.29	188	706241	31.84	ng/ul	0.00
76) Pyrene-d10	19.59	212	754237	34.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	565324	34.20	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.01	94	183888	29.81	ng/ul	100
11) 2-Methylphenol	8.25	108	177626	36.64	ng/ul	98
44) Dimethylphthalate	13.90	163	24000	1.49	ng/ul	99
45) 2,6-Dinitrotoluene	13.86	165	3412	1.07	ng/ul#	42
47) Acenaphthylene	14.17	152	379814	18.07	ng/ul	99
49) Acenaphthene	14.51	153	255148	18.64	ng/ul	100
53) Dibenzofuran	14.85	168	436377	22.03	ng/ul	99
56) Diethylphthalate	15.27	149	494632	31.43	ng/ul	99
58) Fluorene	15.50	166	290127	19.05	ng/ul	100
64) N-Nitrosodiphenylamine	15.71	169	503805	34.96	ng/ul	97
67) Atrazine	16.67	200	188783	38.70	ng/ul	100
68) Pentachlorophenol	16.85	266	194073	61.42	ng/ul	98
69) Phenanthrene	17.33	178	331817	12.74	ng/ul	99
71) Anthracene	17.33	178	331817	12.59	ng/ul	100
73) Di-n-butylphthalate	18.16	149	664770	24.88	ng/ul	100
78) Butylbenzylphthalate	20.52	149	367283	33.79	ng/ul	99
84) Di-n-octyl phthalate	22.18	149	667538	32.41	ng/ul	100
85) Benzo(b)fluoranthene	22.98	252	697089	32.74	ng/ul	99
86) Benzo(k)fluoranthene	23.03	252	646506	31.49	ng/ul	99
88) Benzo(a)pyrene	23.57	252	570840	28.00	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.99	276	703707	31.02	ng/ul	96
90) Dibenzo(a,h)anthracene	26.00	278	363072	19.11	ng/ul	99
91) Benzo(g,h,i)perylene	26.70	276	600090	31.41	ng/ul	98

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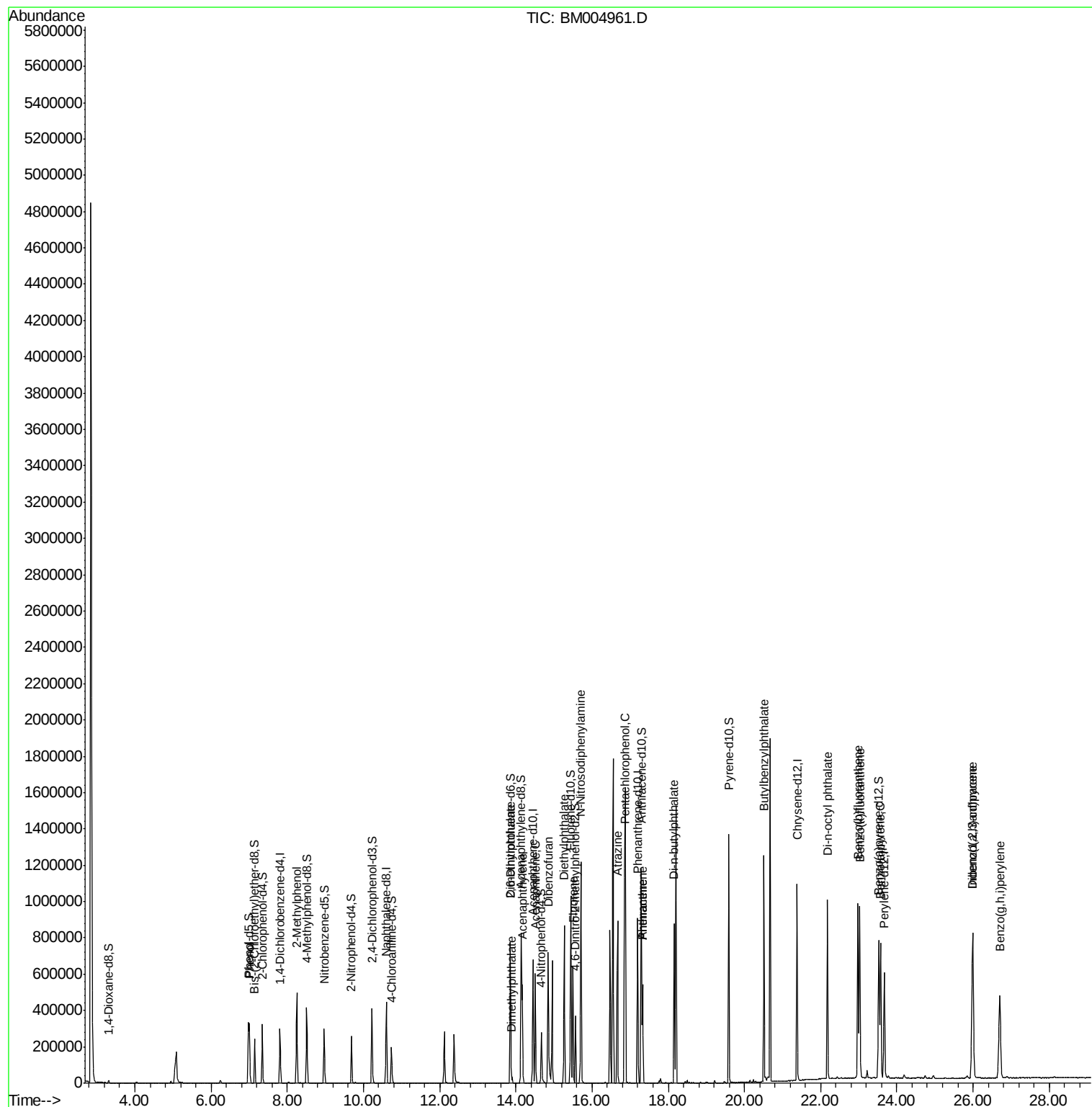
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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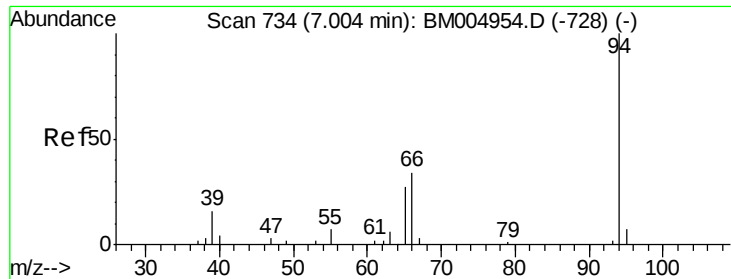
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 29.81 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

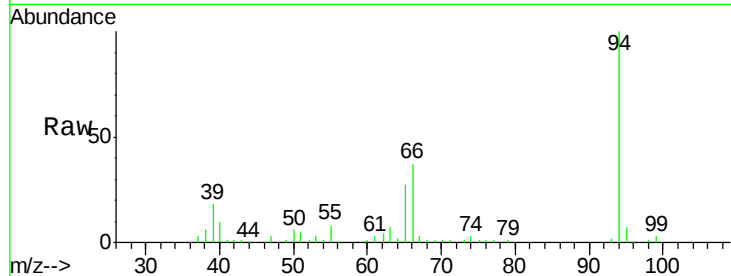
Tgt Ion: 94 Resp: 183888

Ion Ratio Lower Upper

94 100

65 26.9 21.6 32.4

66 37.3 29.6 44.4



Abundance Ion 94.00 (93.70 to 94.70): BM004954.D (-728) (-)

Ion 65.00 (64.70 to 65.70): BM004954.D (-728) (-)

Ion 66.00 (65.70 to 66.70): BM004954.D (-728) (-)

7.01

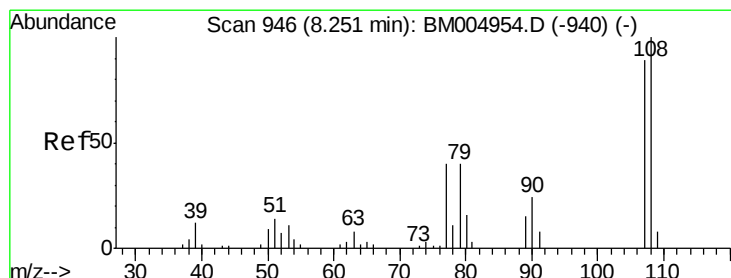
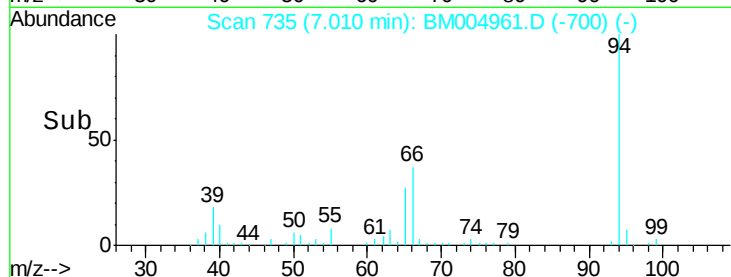
150000

100000

50000

0

Time-->



#11

2-Methylphenol

Concen: 36.64 ng/ul

RT: 8.25 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM004961.D

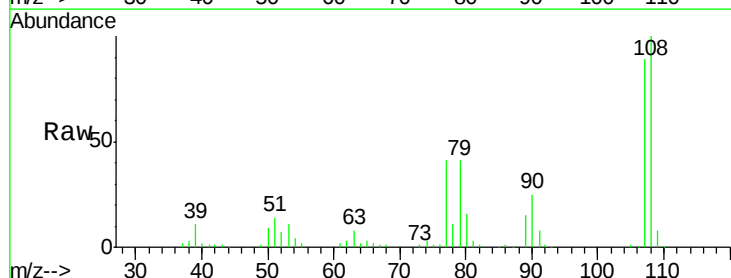
Acq: 15 Apr 2016 16:42

Tgt Ion: 108 Resp: 177626

Ion Ratio Lower Upper

108 100

107 88.9 69.4 104.0



Abundance Ion 108.00 (107.70 to 108.70): BM004954.D (-940) (-)

Ion 107.00 (106.70 to 107.70): BM004954.D (-940) (-)

8.25

120000

100000

80000

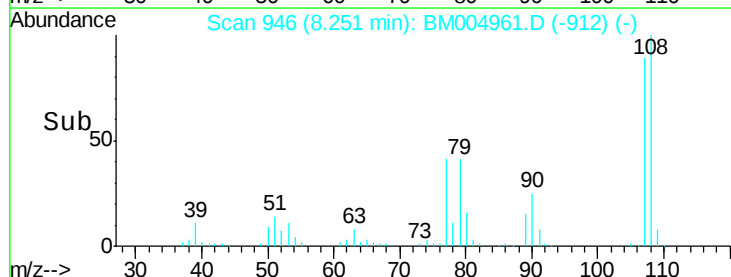
60000

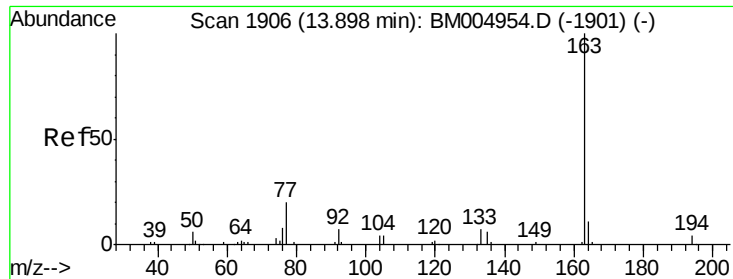
40000

20000

0

Time-->

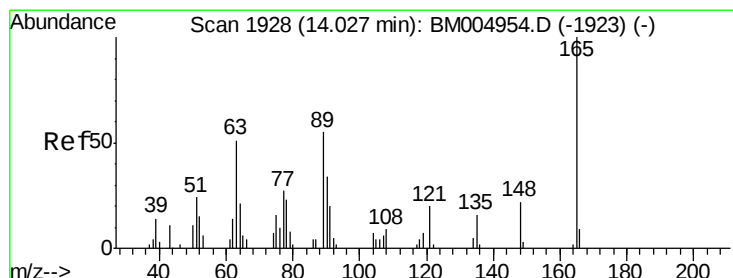
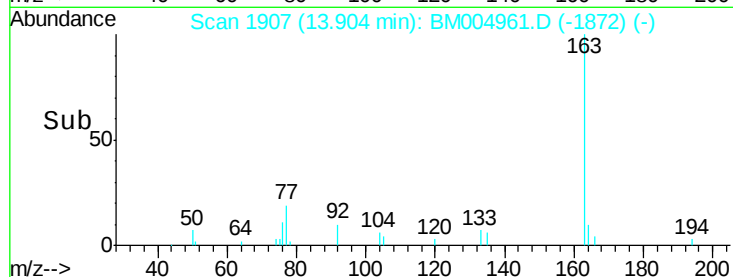
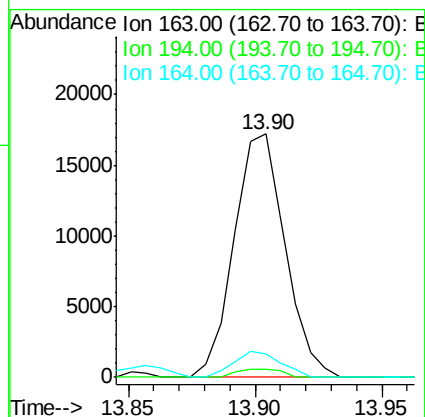
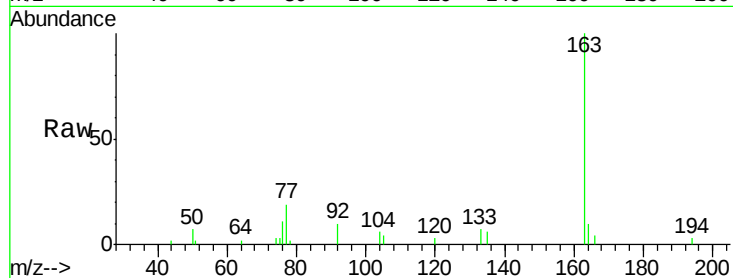




#44
Dimethylphthalate
Concen: 1.49 ng/ul
RT: 13.90 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

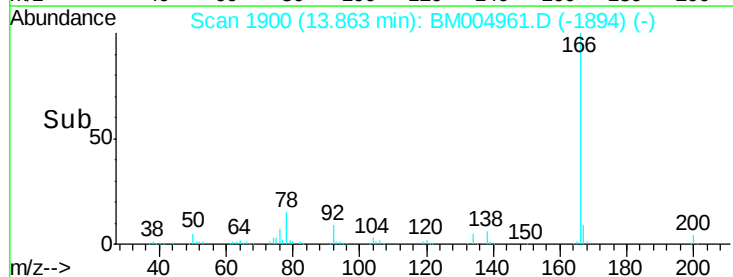
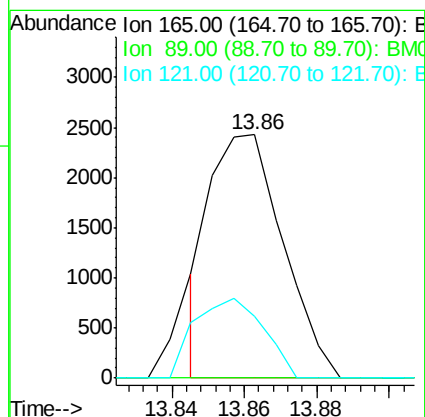
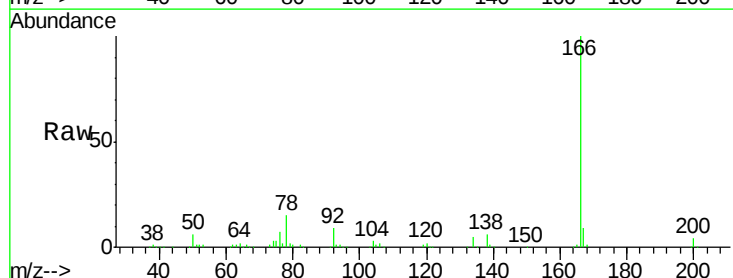
Instrument :
BNA_M
ClientSampleId :
D9T72

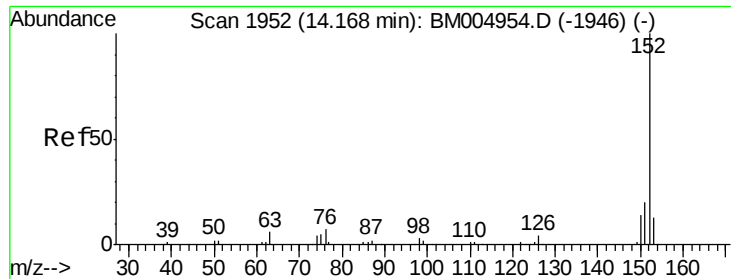
Tgt Ion:163 Resp: 24000
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 9.8 8.2 12.2



#45
2,6-Dinitrotoluene
Concen: 1.07 ng/ul
RT: 13.86 min Scan# 1900
Delta R.T. -0.16 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

Tgt Ion:165 Resp: 3412
Ion Ratio Lower Upper
165 100
89 0.0 43.1 64.7#
121 25.3 16.0 24.0#





#47

Acenaphthylene

Concen: 18.07 ng/ul

RT: 14.17 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

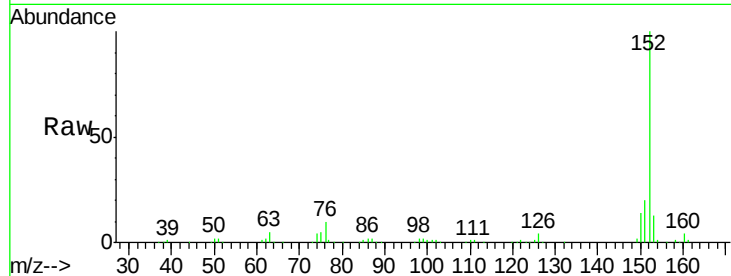
Tgt Ion:152 Resp: 379814

Ion Ratio Lower Upper

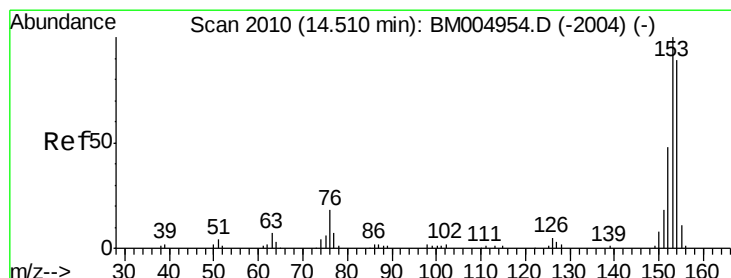
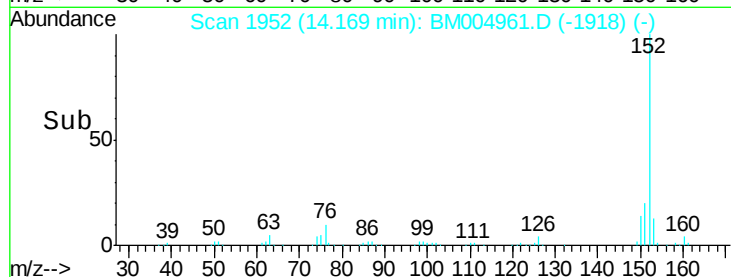
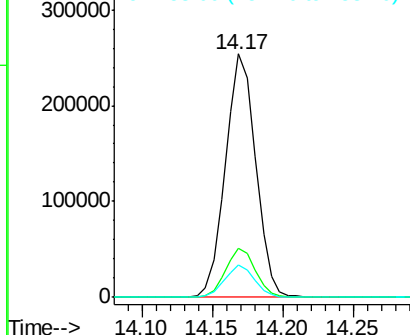
152 100

151 19.9 15.8 23.8

153 13.3 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: 18.64 ng/ul

RT: 14.51 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

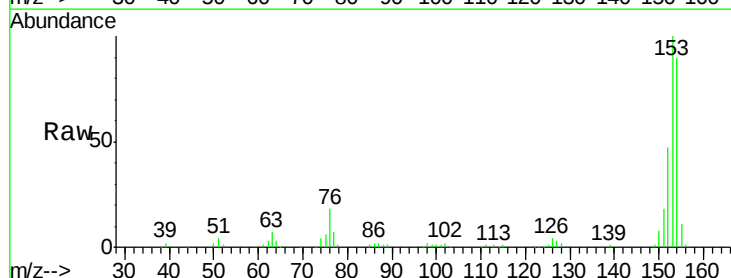
Tgt Ion:153 Resp: 255148

Ion Ratio Lower Upper

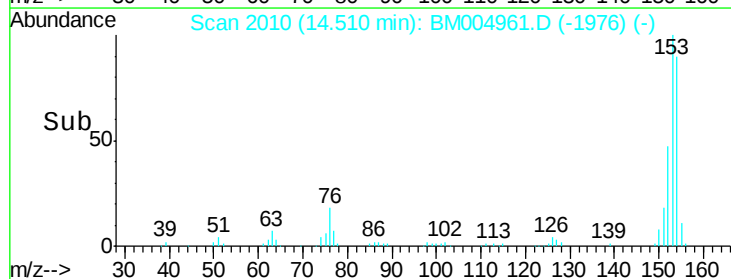
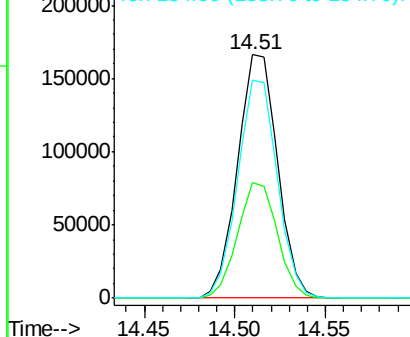
153 100

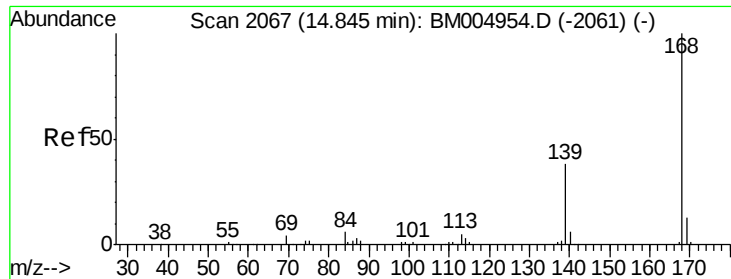
152 47.2 37.7 56.5

154 89.6 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: 22.03 ng/ul

RT: 14.85 min Scan# 2067

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

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ClientSampleId :

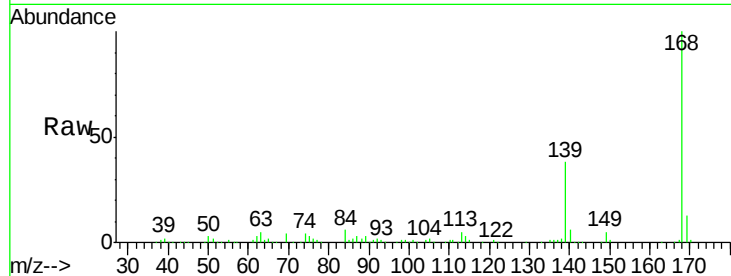
D9T72

Tgt Ion:168 Resp: 436377

Ion Ratio Lower Upper

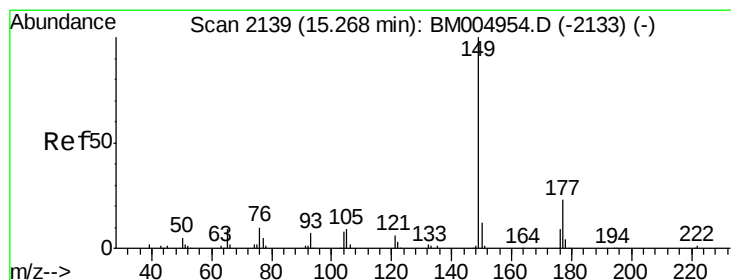
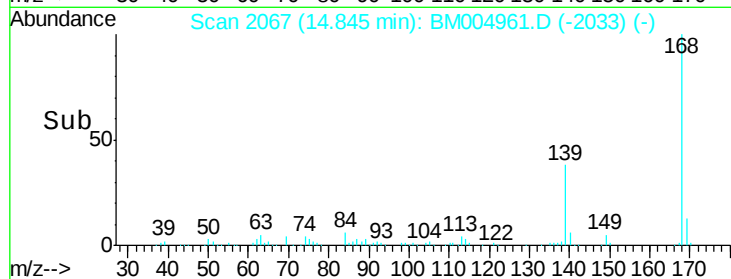
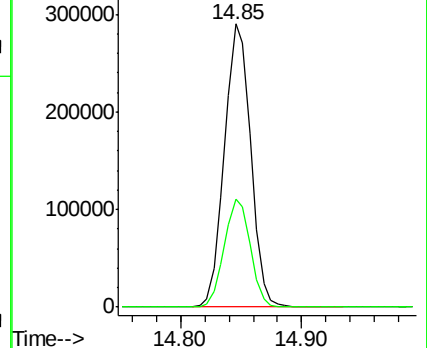
168 100

139 38.1 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 31.43 ng/ul

RT: 15.27 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

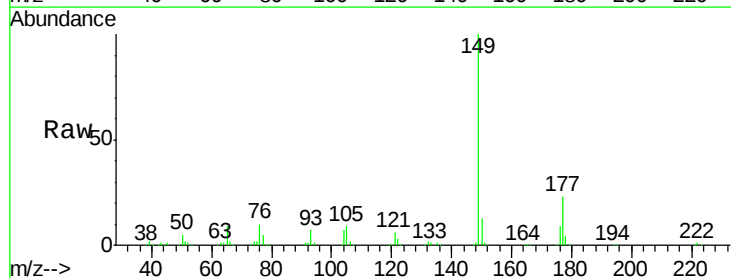
Tgt Ion:149 Resp: 494632

Ion Ratio Lower Upper

149 100

177 22.6 17.9 26.9

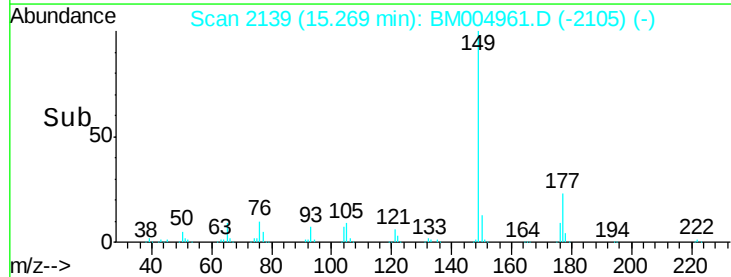
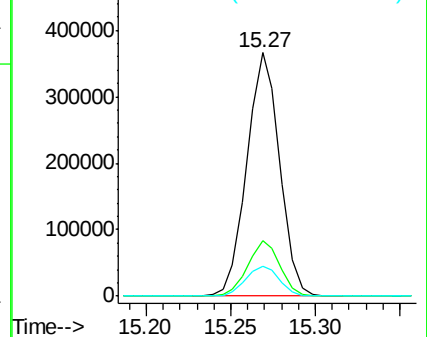
150 12.5 9.8 14.6

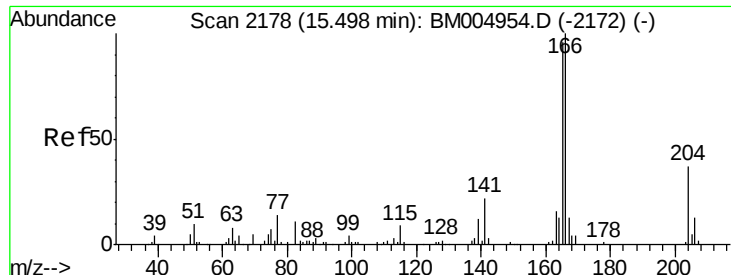


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 19.05 ng/ul

RT: 15.50 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

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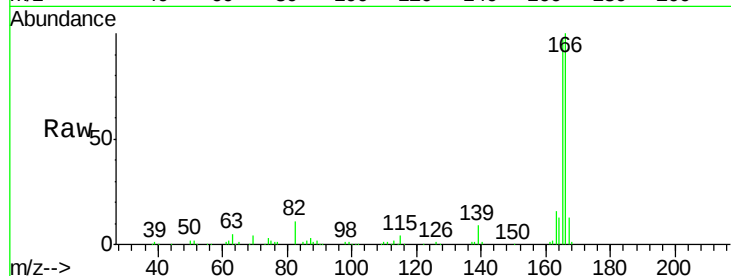
Tgt Ion:166 Resp: 290127

Ion Ratio Lower Upper

166 100

165 97.0 77.7 116.5

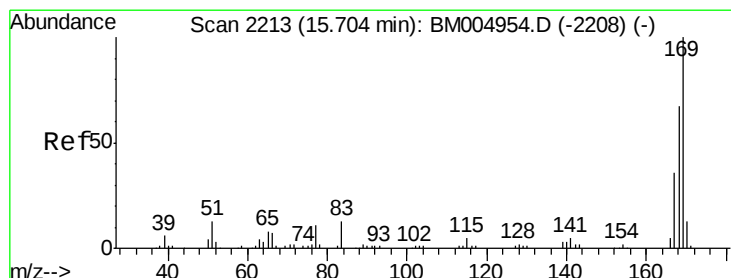
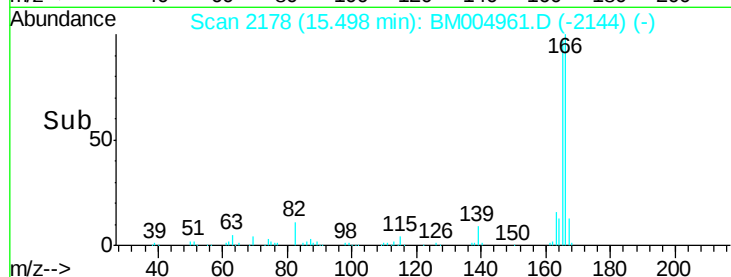
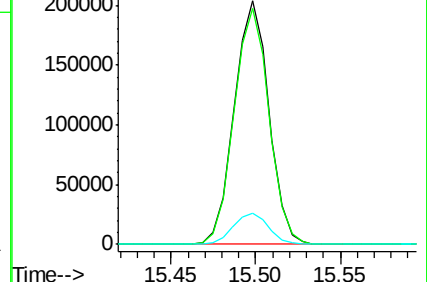
167 13.0 10.9 16.3



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: 34.96 ng/ul

RT: 15.71 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

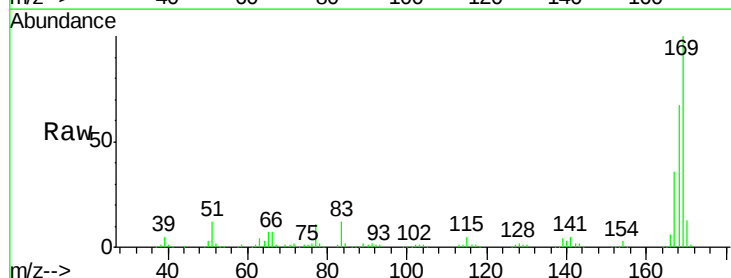
Tgt Ion:169 Resp: 503805

Ion Ratio Lower Upper

169 100

168 67.0 51.8 77.6

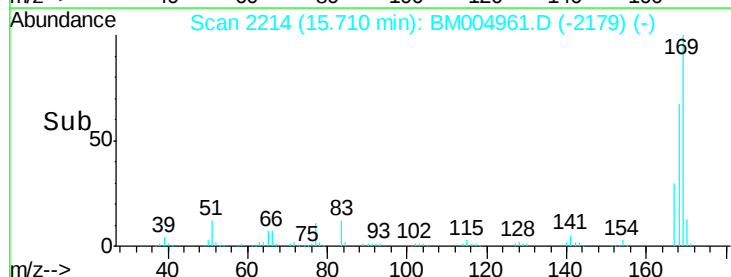
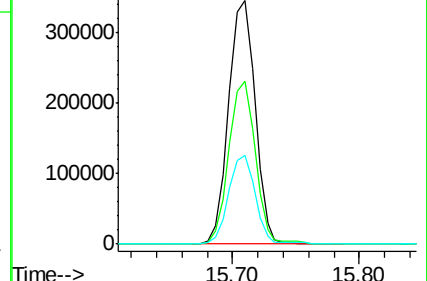
167 36.2 28.2 42.2

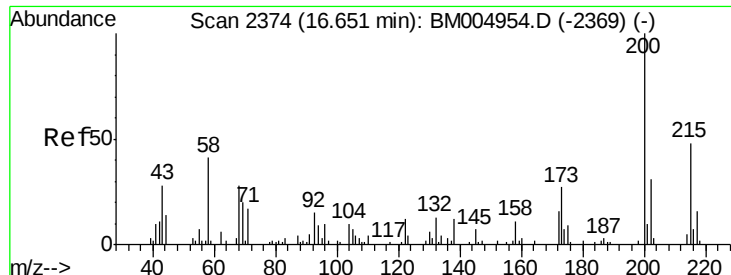


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

Atrazine

Concen: 38.70 ng/ul

RT: 16.67 min Scan# 2377

Delta R.T. 0.02 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

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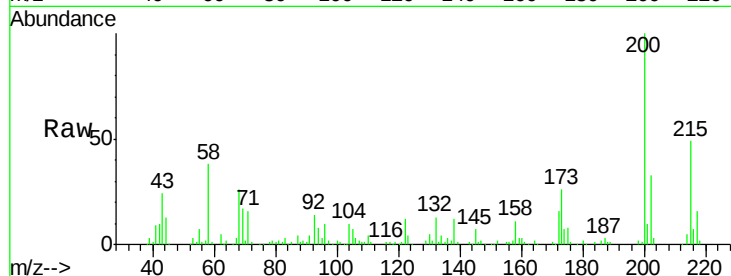
Tgt Ion:200 Resp: 188783

Ion Ratio Lower Upper

200 100

173 26.1 21.0 31.4

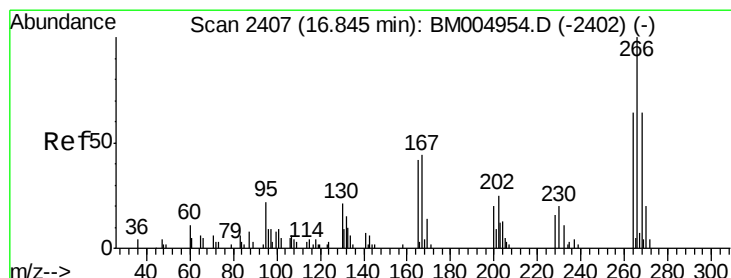
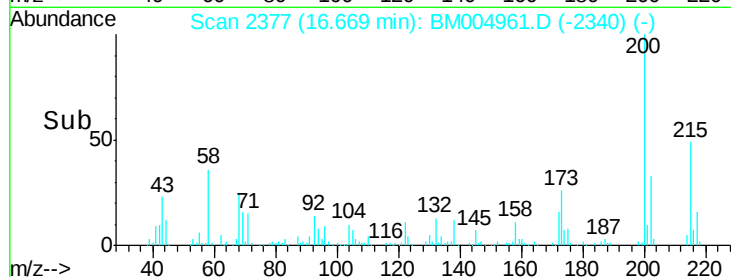
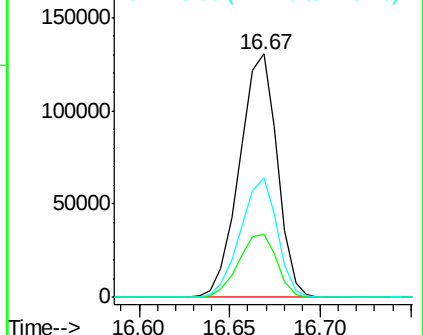
215 49.0 39.4 59.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 61.42 ng/ul

RT: 16.85 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

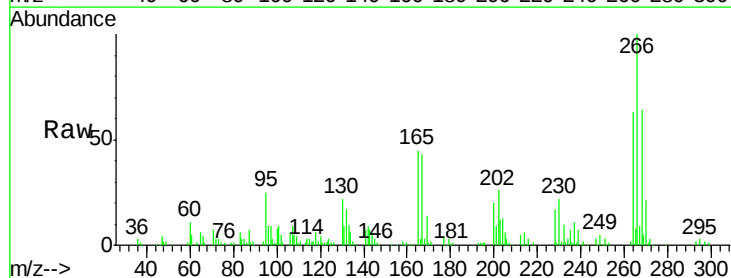
Tgt Ion:266 Resp: 194073

Ion Ratio Lower Upper

266 100

264 63.2 49.8 74.6

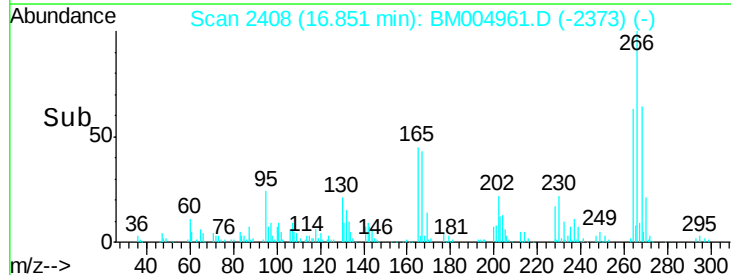
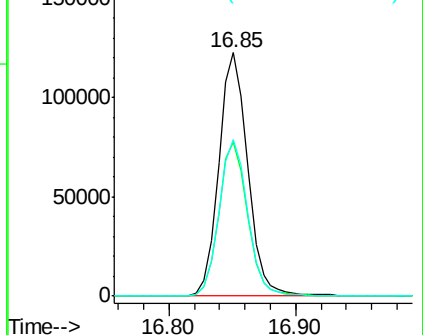
268 64.3 49.6 74.4

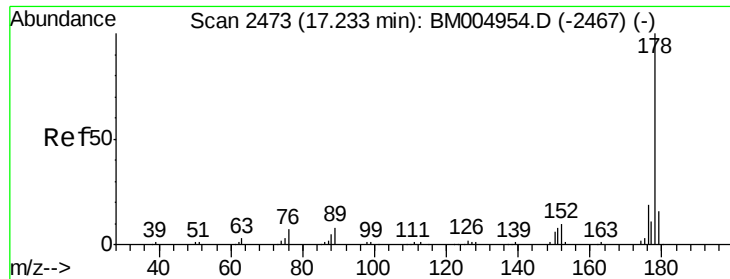


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 12.74 ng/ul

RT: 17.33 min Scan# 2489

Delta R.T. 0.09 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

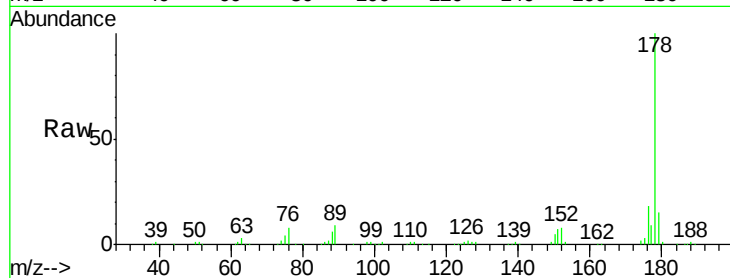
Tgt Ion:178 Resp: 331817

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

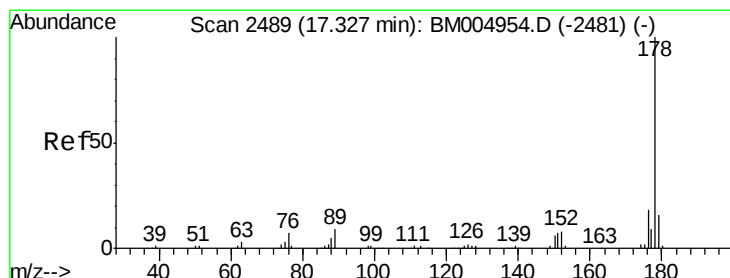
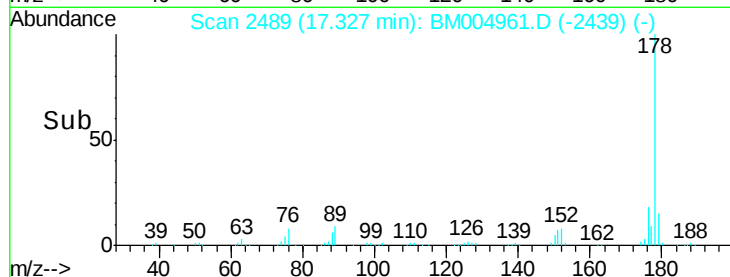
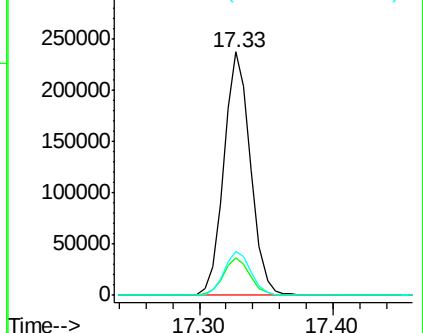
176 18.3 15.2 22.8



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



#71

Anthracene

Concen: 12.59 ng/ul

RT: 17.33 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

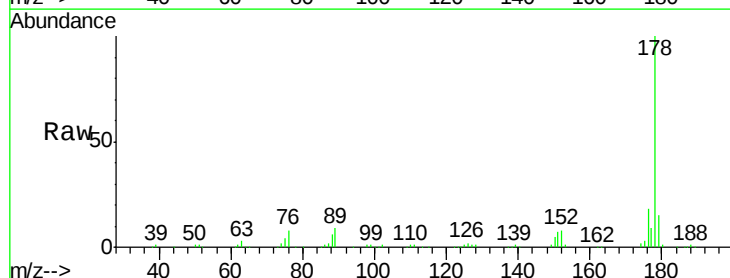
Tgt Ion:178 Resp: 331817

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

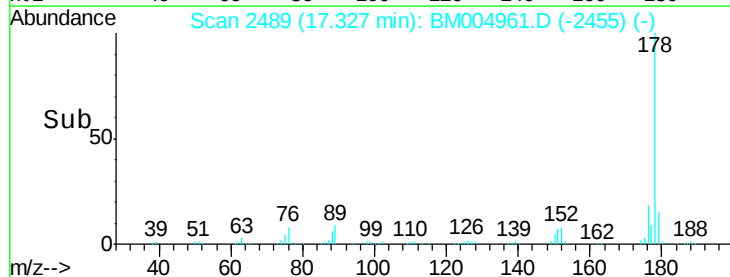
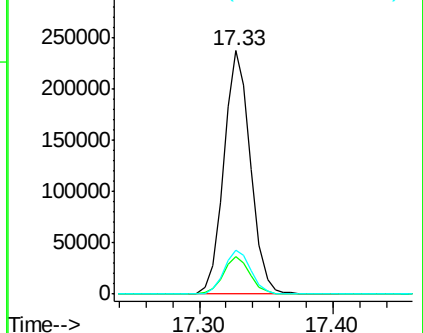
176 18.3 14.6 22.0

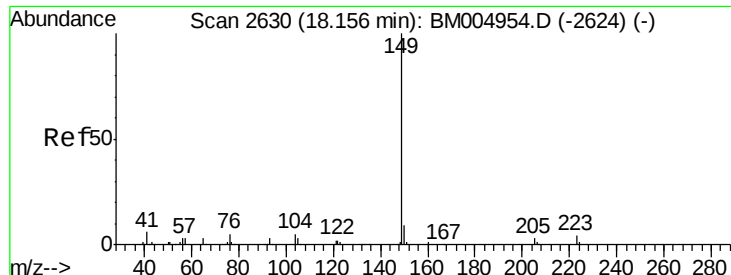


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

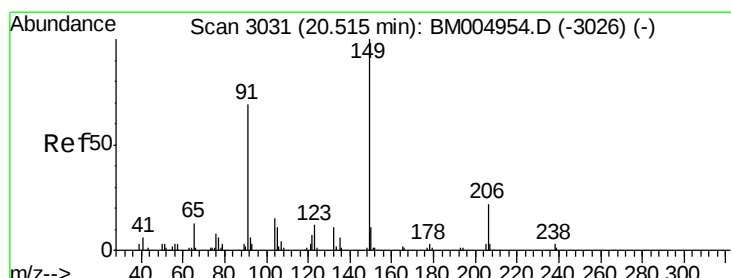
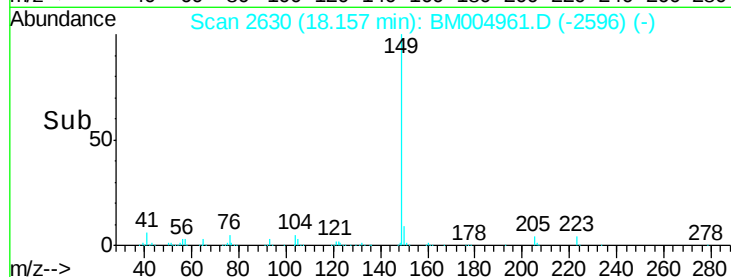
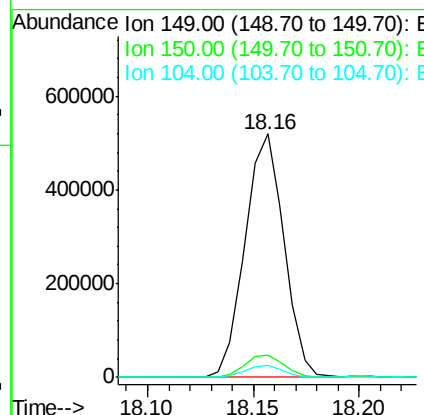
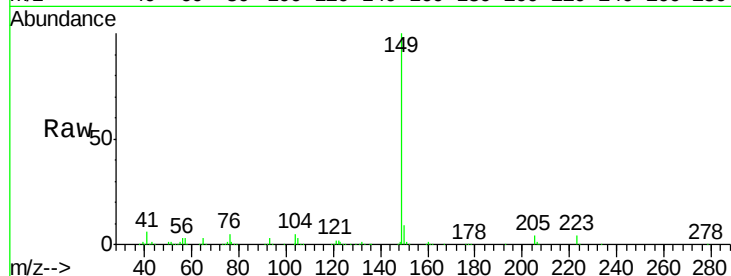




#73
Di-n-butylphthalate
Concen: 24.88 ng/ul
RT: 18.16 min Scan# 2630
Delta R.T. 0.00 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

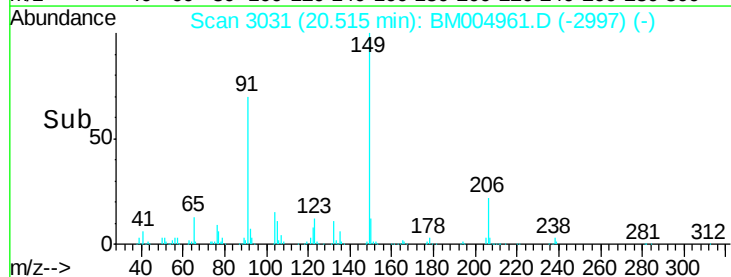
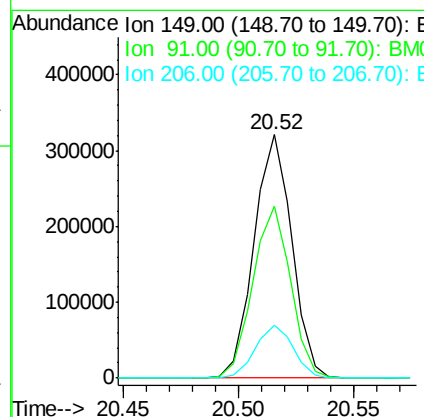
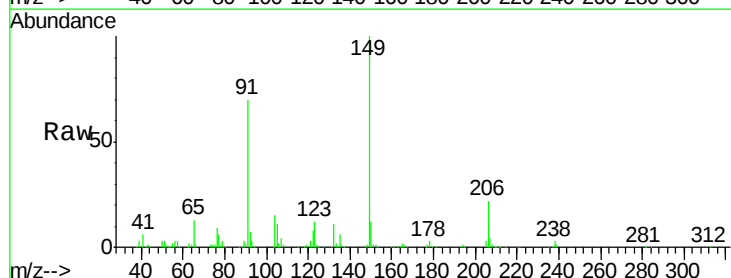
Instrument :
BNA_M
ClientSampleId :
D9T72

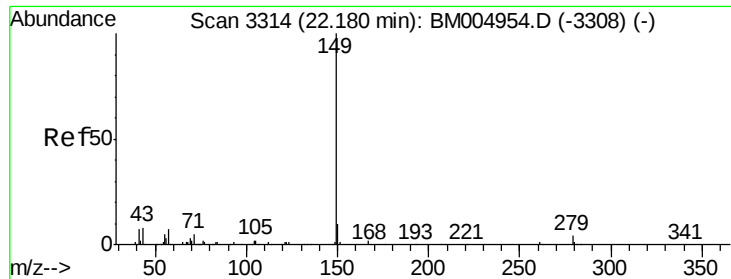
Tgt Ion:149 Resp: 664770
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 4.9 3.9 5.9



#78
Butylbenzylphthalate
Concen: 33.79 ng/ul
RT: 20.52 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

Tgt Ion:149 Resp: 367283
Ion Ratio Lower Upper
149 100
91 70.4 57.0 85.6
206 21.9 16.6 24.8

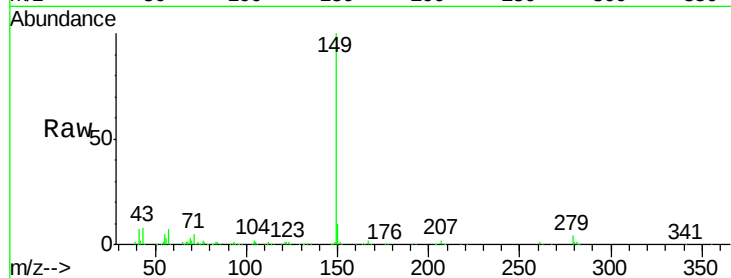




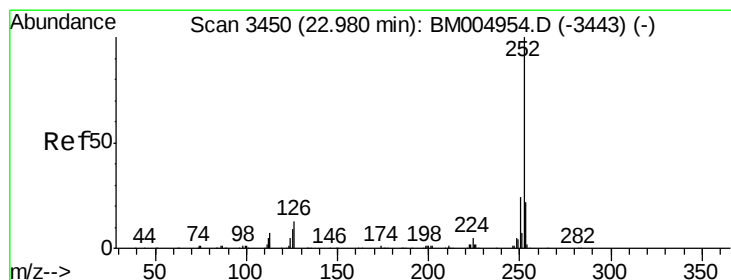
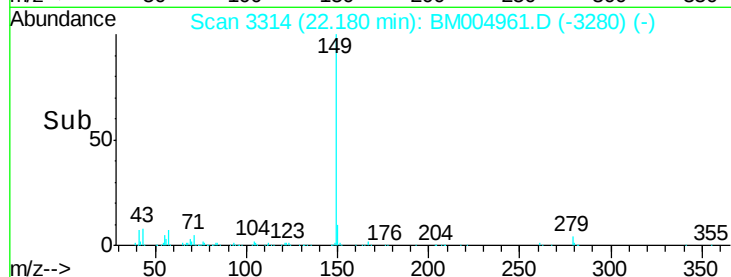
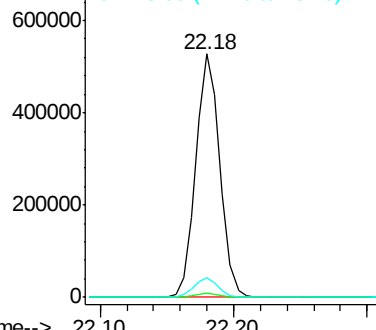
#84
Di-n-octyl phthalate
Concen: 32.41 ng/ul
RT: 22.18 min Scan# 3314
Delta R.T. 0.00 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

Instrument :
BNA_M
ClientSampleId :
D9T72

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.4	9.6

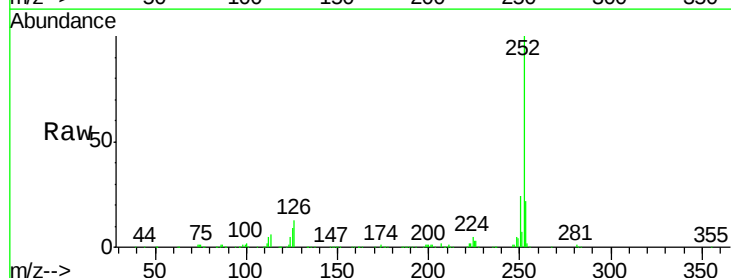


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

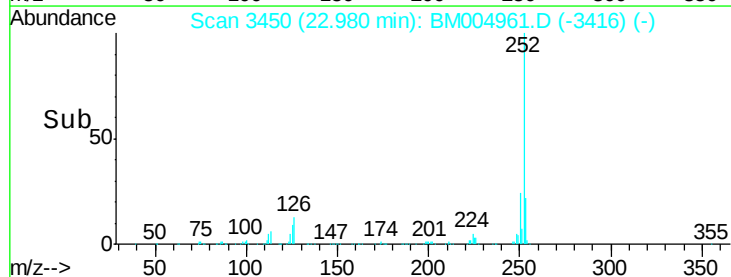
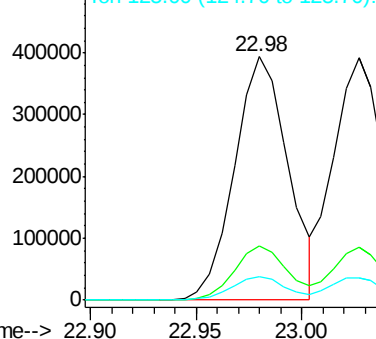


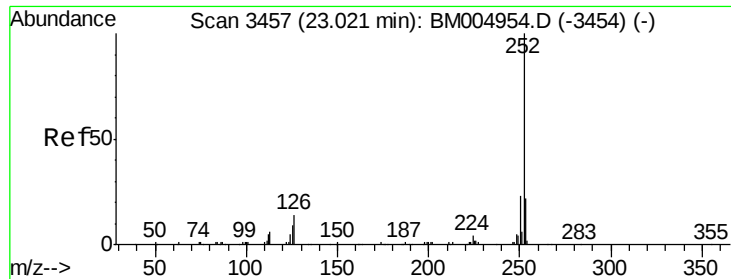
#85
Benzo(b)fluoranthene
Concen: 32.74 ng/ul
RT: 22.98 min Scan# 3450
Delta R.T. 0.00 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	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

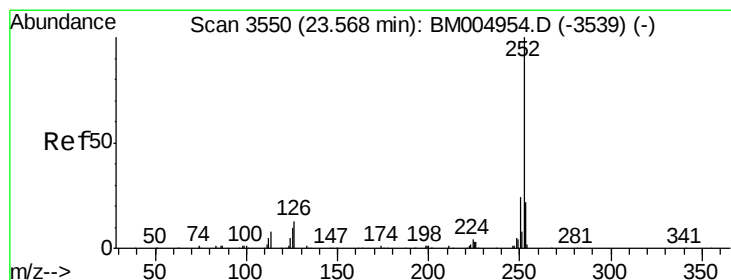
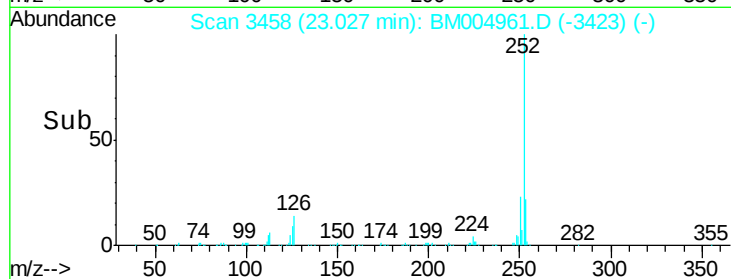
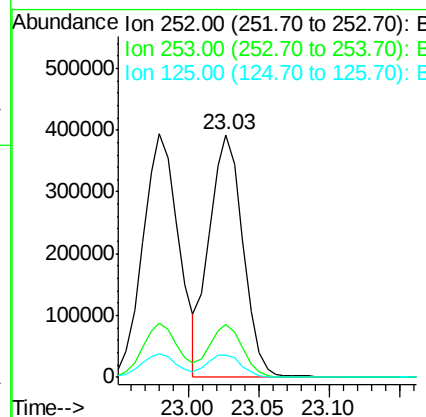
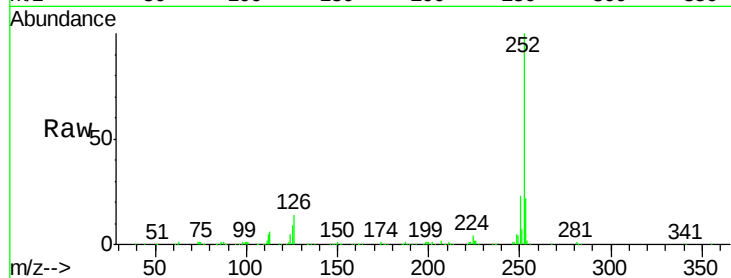




#86
Benzo(k)fluoranthene
Concen: 31.49 ng/u1
RT: 23.03 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

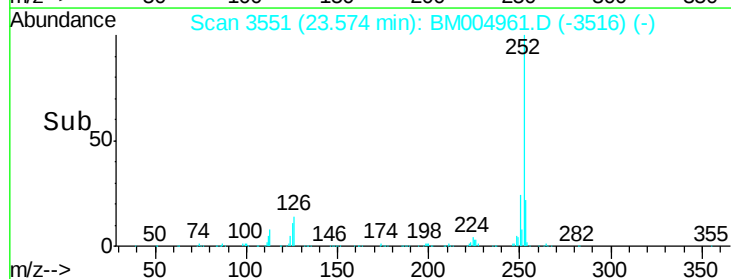
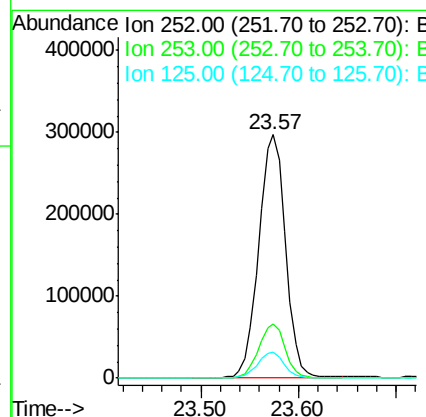
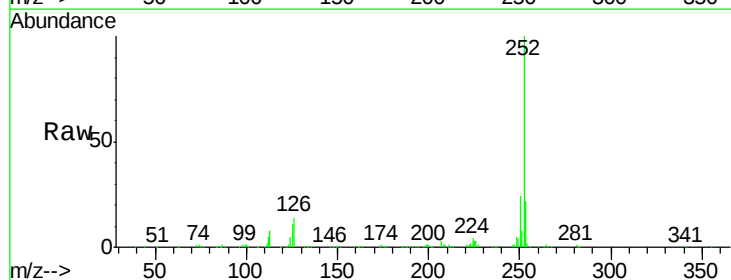
Instrument :
BNA_M
ClientSampled :
D9T72

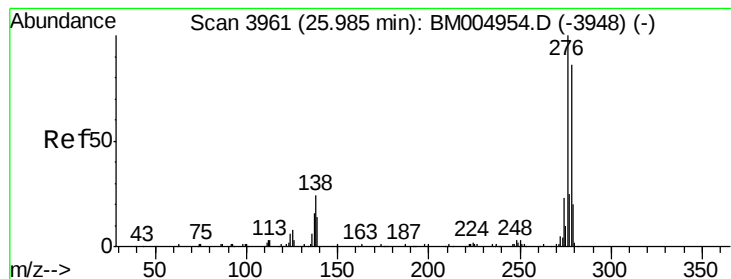
Tgt Ion:252 Resp: 646506
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.3 7.9 11.9



#88
Benzo(a)pyrene
Concen: 28.00 ng/u1
RT: 23.57 min Scan# 3551
Delta R.T. 0.01 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

Tgt Ion:252 Resp: 570840
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.6 8.3 12.5





#89

Indeno(1,2,3-cd)pyrene

Concen: 31.02 ng/ul

RT: 25.99 min Scan# 3962

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

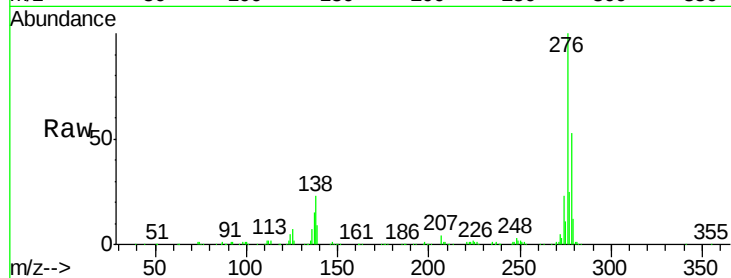
Tgt Ion:276 Resp: 703707

Ion Ratio Lower Upper

276 100

138 22.6 20.2 30.4

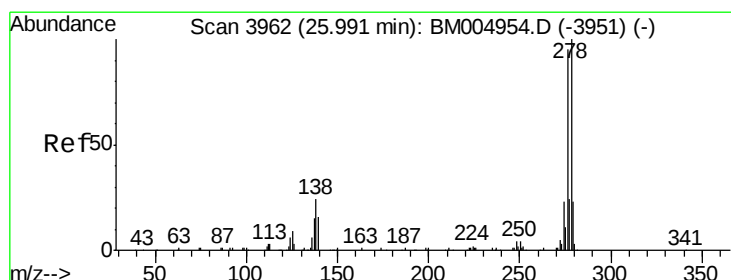
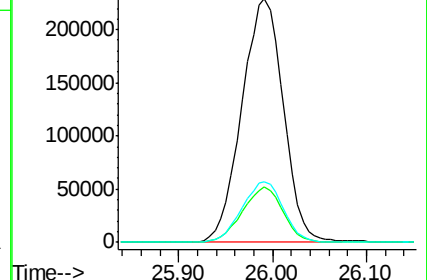
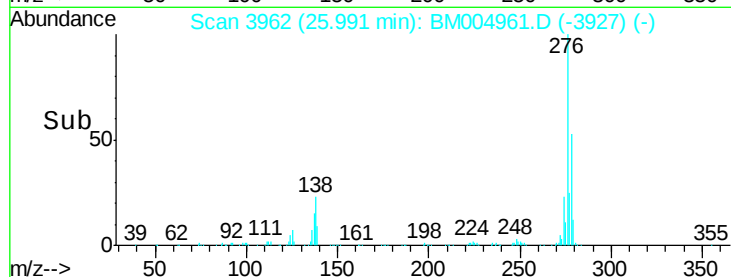
277 24.6 20.4 30.6



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: 19.11 ng/ul

RT: 26.00 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

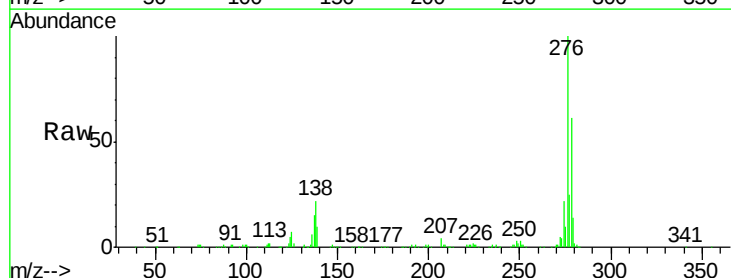
Tgt Ion:278 Resp: 363072

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

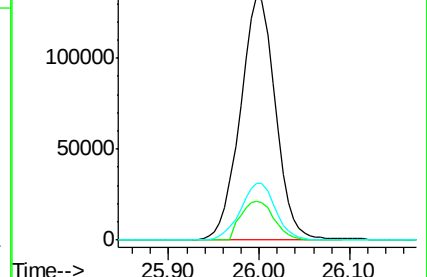
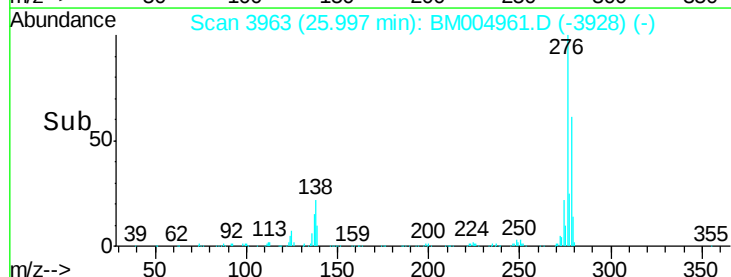
279 23.3 19.1 28.7

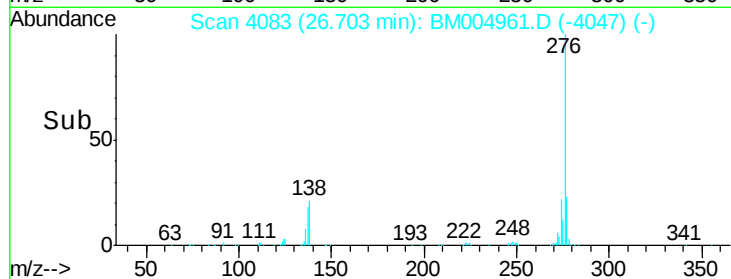
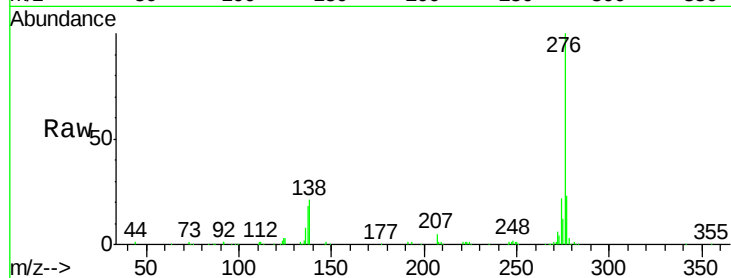
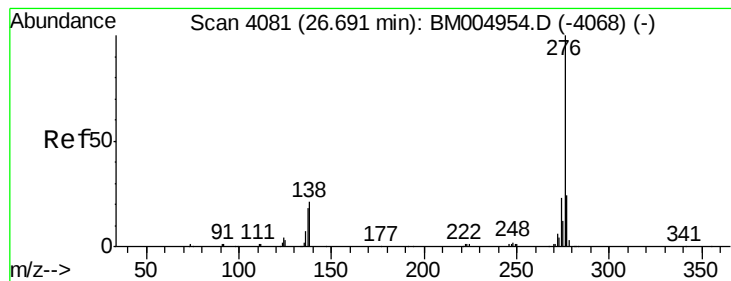


Abundance Ion 278.00 (277.70 to 278.70): E

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: 31.41 ng/ul

RT: 26.70 min Scan# 4083

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

Tgt Ion:276 Resp: 600090

Ion Ratio Lower Upper

276 100

138 20.5 17.4 26.2

277 23.2 19.0 28.4

