

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 18 10:40:43 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

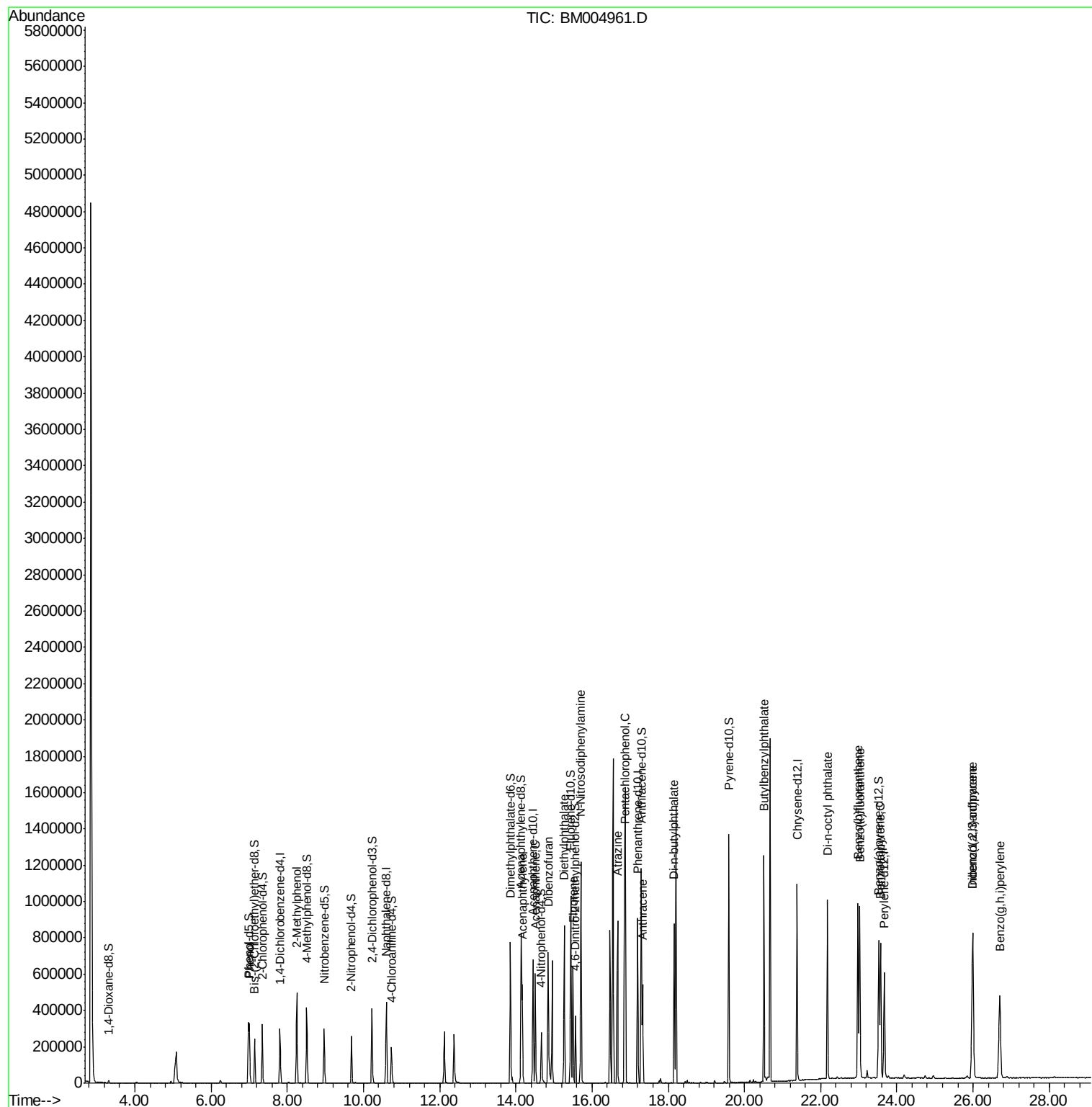
					Ovalue
6) Phenol	7.01	94	183888	29.81	ng/ul 100
11) 2-Methylphenol	8.25	108	177626	36.64	ng/ul 98
47) Acenaphthylene	14.17	152	379814	18.07	ng/ul 99
49) Acenaphthene	14.51	153	255148	18.64	ng/ul 100
53) Dibenzofuran	14.85	168	436377	22.03	ng/ul 99
56) Diethylphthalate	15.27	149	494632	31.43	ng/ul 99
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
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

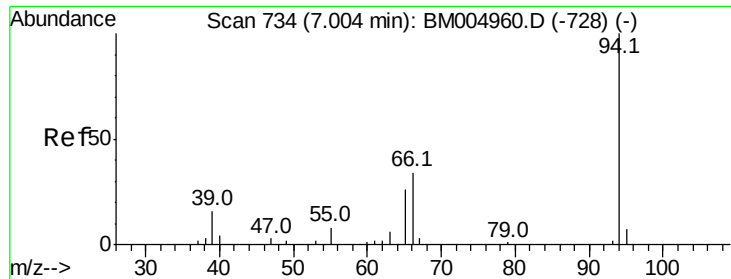
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

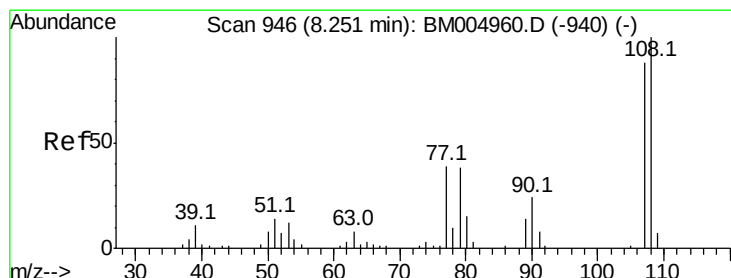
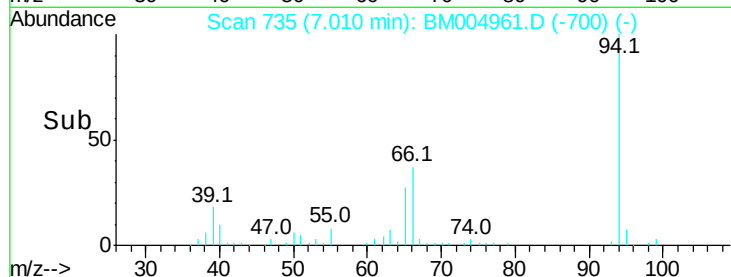
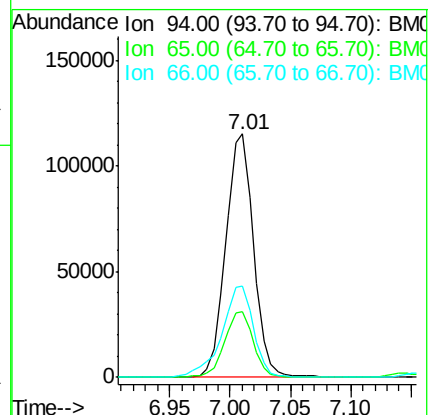
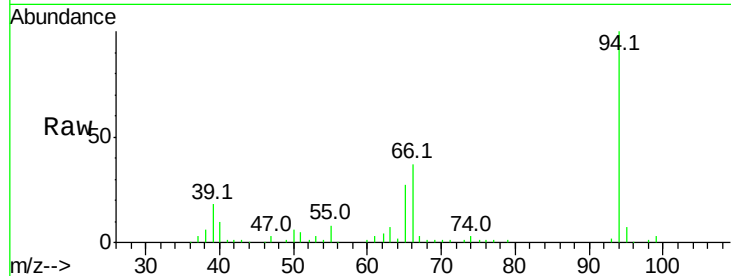
Tot Ion: 94 Resp: 183888

Ion Ratio Lower Upper

94 100

65 26.9 21.6 32.4

66 37.3 29.6 44.4



#11

2-Methylphenol

Concen: 36.64 ng/ul

RT: 8.25 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM004961.D

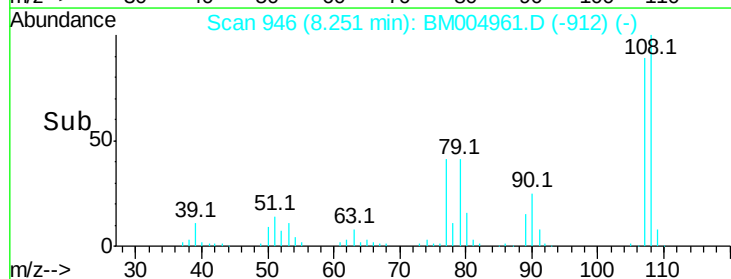
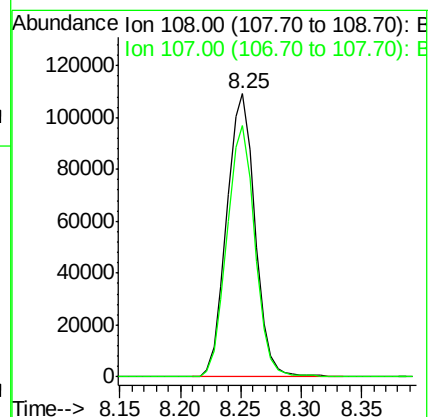
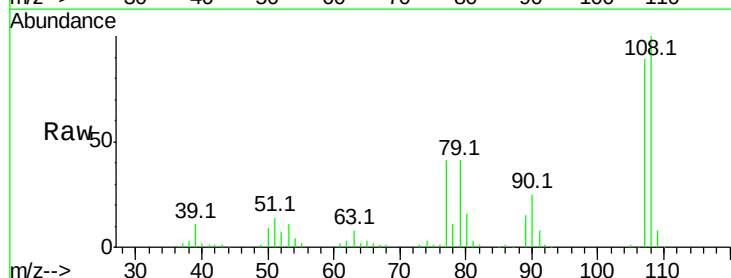
Acq: 15 Apr 2016 16:42

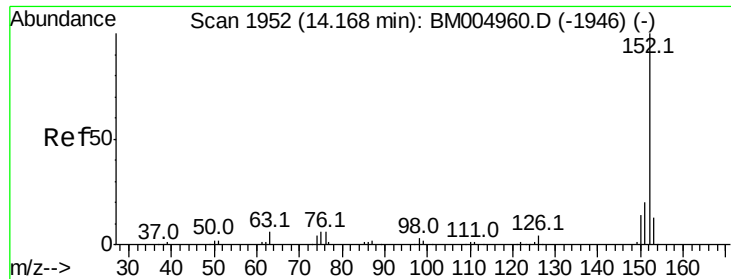
Tgt Ion: 108 Resp: 177626

Ion Ratio Lower Upper

108 100

107 88.9 69.4 104.0





#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 :

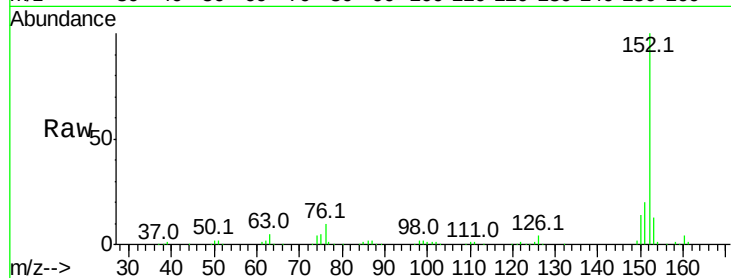
BNA_M

ClientSampleId :

D9T72

Tot Ion:152 Resp: 379814

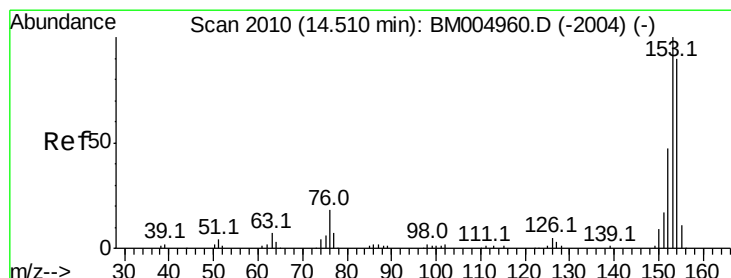
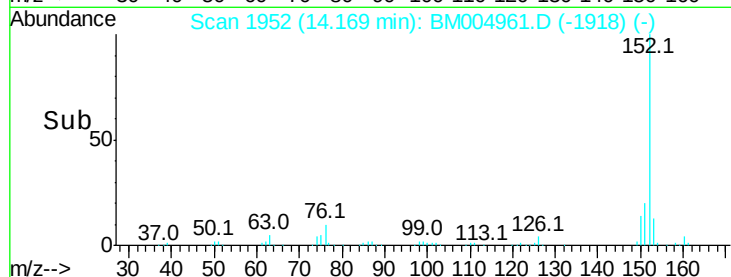
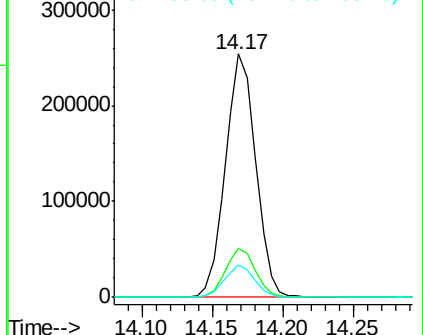
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.3	10.3	15.5



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

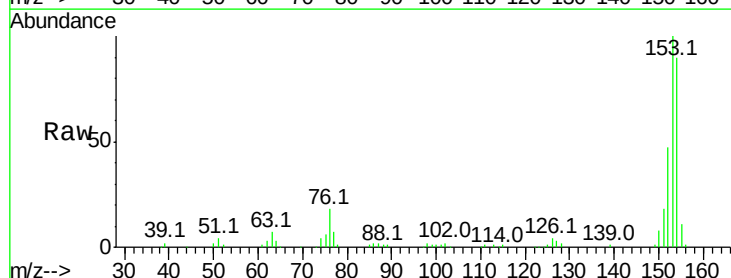
Delta R.T. 0.00 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Tgt Ion:153 Resp: 255148

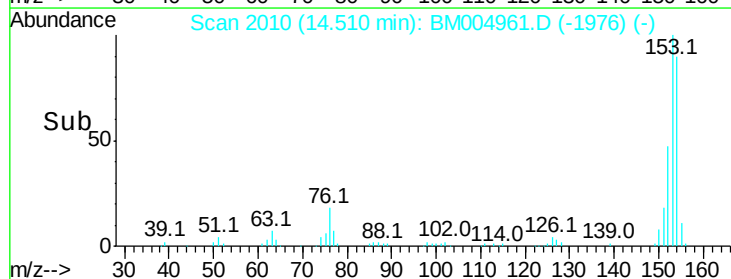
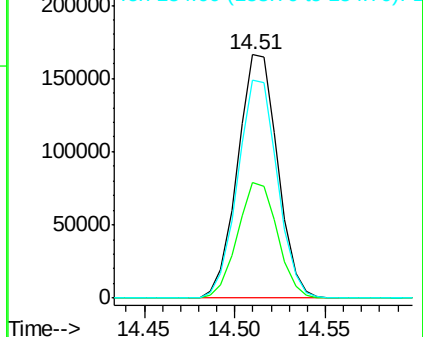
Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.7	56.5
154	89.6	71.4	107.2

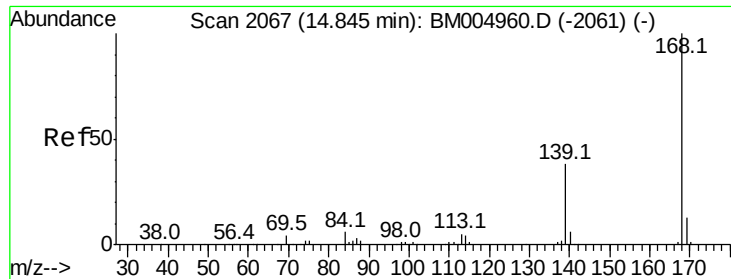


Abundance Ion 153.00 (152.70 to 153.70): E

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

Instrument :

BNA_M

ClientSampleId :

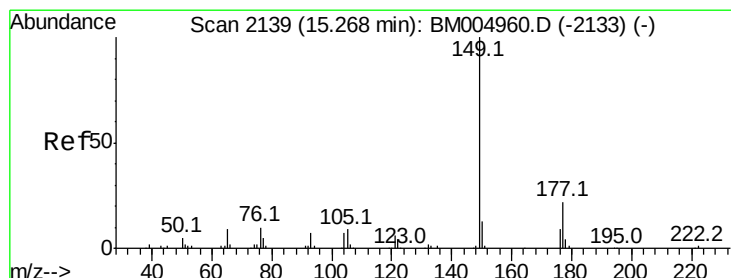
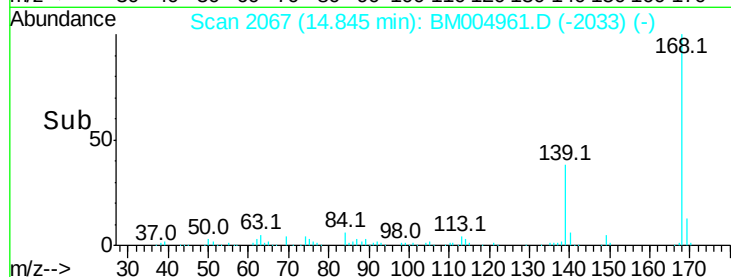
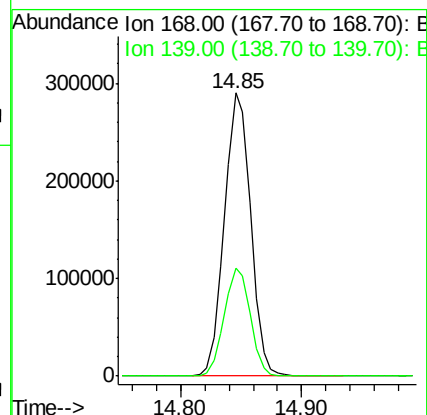
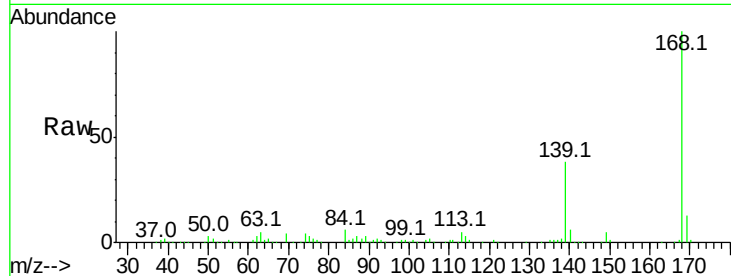
D9T72

Tot Ion:168 Resp: 436377

Ion Ratio Lower Upper

168 100

139 38.1 29.9 44.9



#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

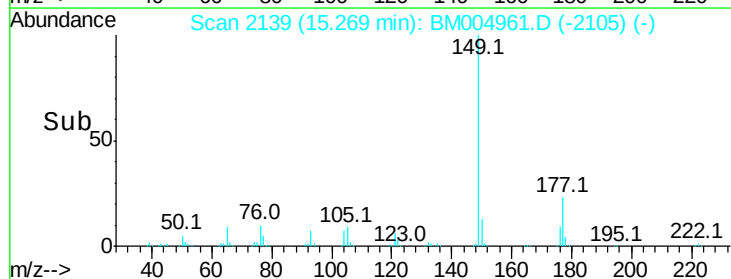
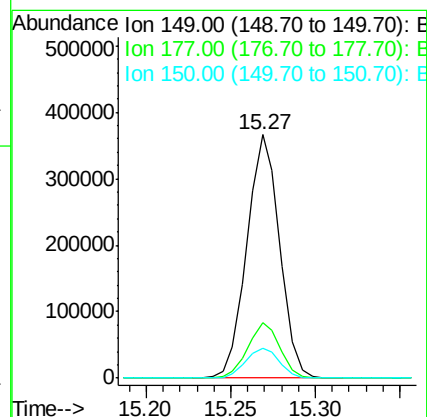
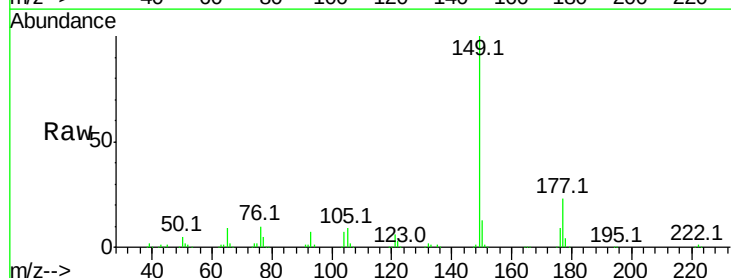
Tgt Ion:149 Resp: 494632

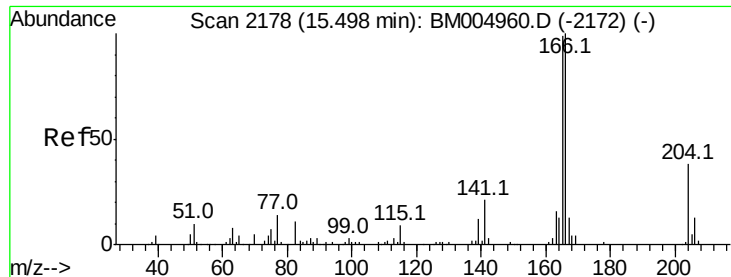
Ion Ratio Lower Upper

149 100

177 22.6 17.9 26.9

150 12.5 9.8 14.6

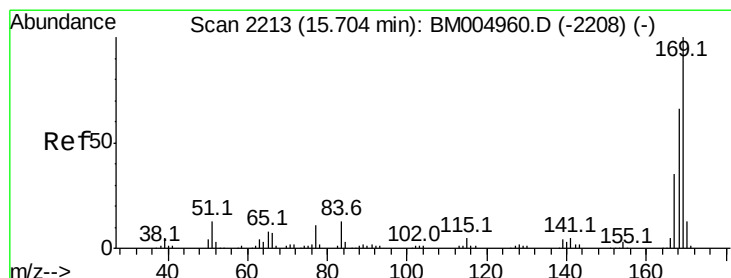
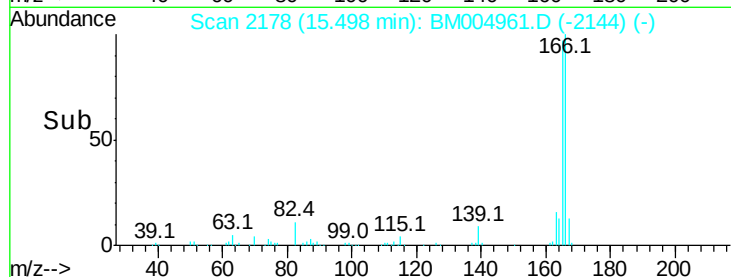
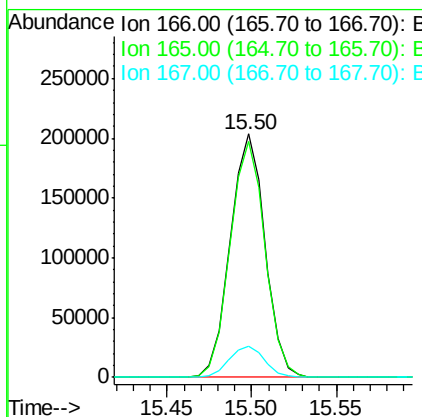
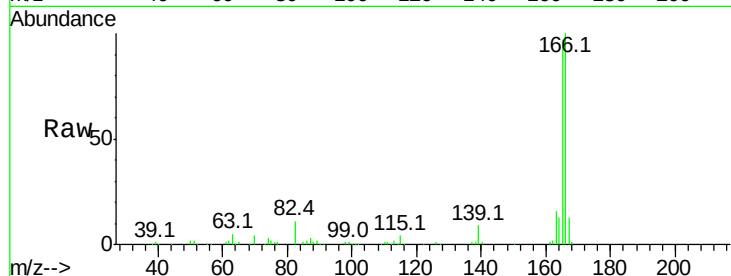




#58
 Fluorene
 Concen: 19.05 ng/ul
 RT: 15.50 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BM004961.D
 Acq: 15 Apr 2016 16:42

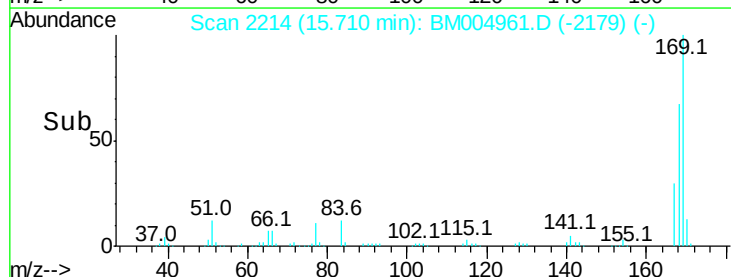
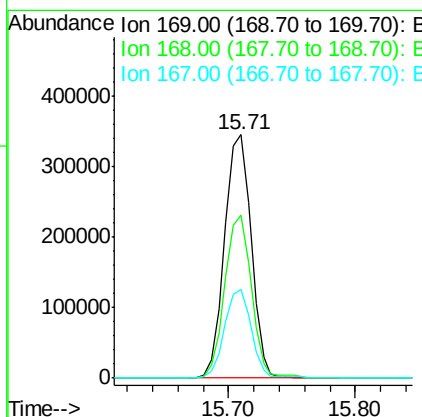
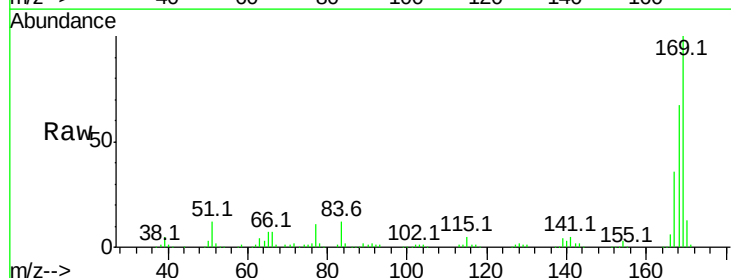
Instrument :
 BNA_M
 ClientSampleId :
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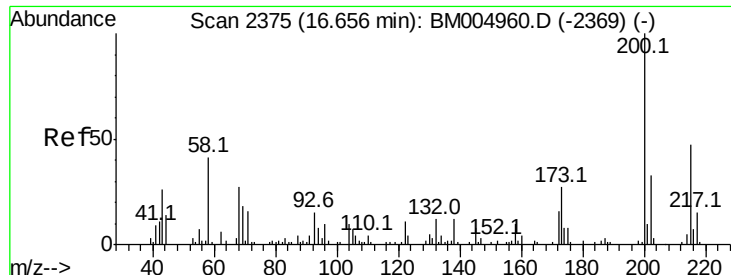
Tot Ion:166 Resp: 290127
 Ion Ratio Lower Upper
 166 100
 165 97.0 77.7 116.5
 167 13.0 10.9 16.3



#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

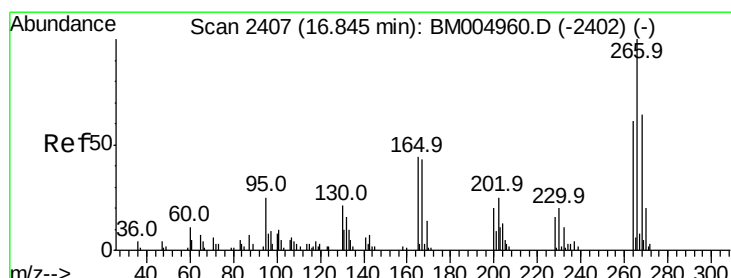
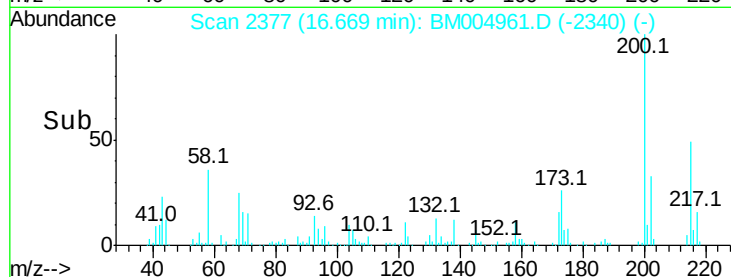
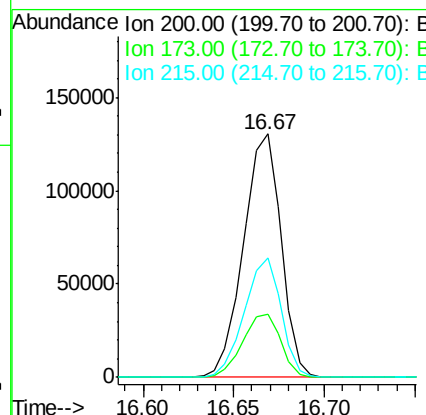
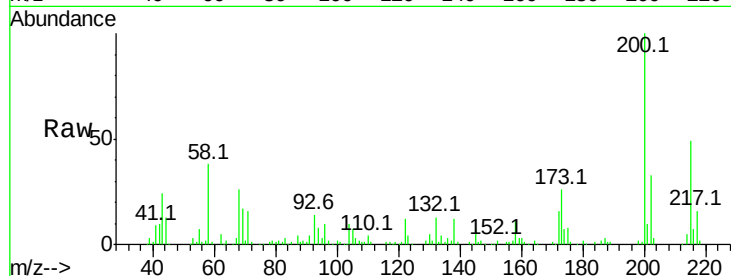




#67
 Atrazine
 Concen: 38.70 ng/ul
 RT: 16.67 min Scan# 2377
 Delta R.T. 0.02 min
 Lab File: BM004961.D
 Acq: 15 Apr 2016 16:42

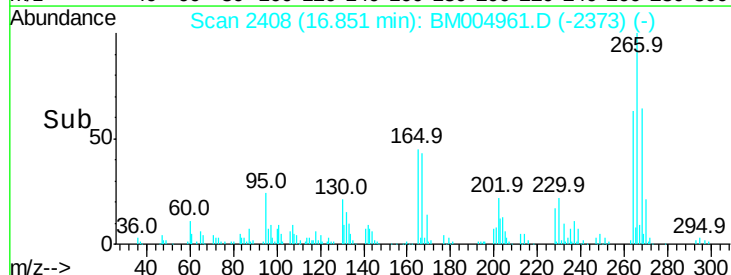
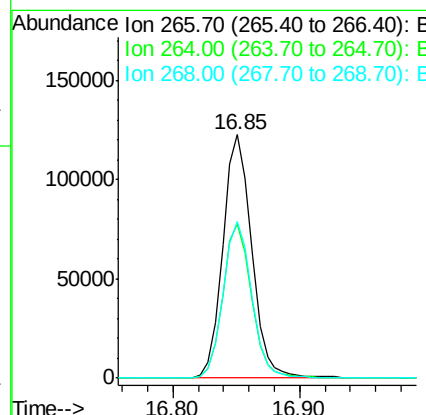
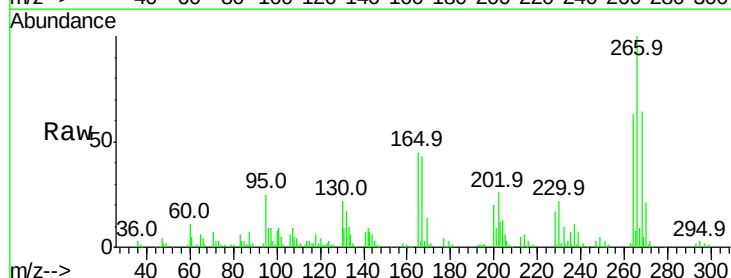
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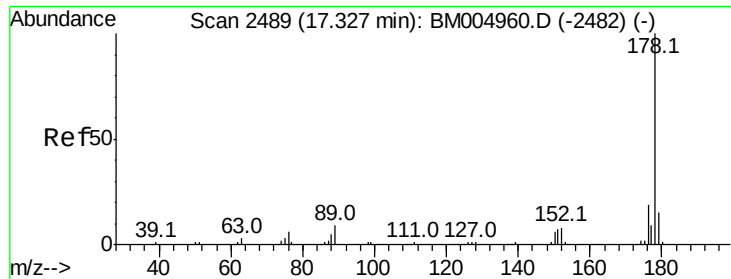
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	21.0	31.4
215	49.0	39.4	59.2



#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	Ratio	Lower	Upper
266	100		
264	63.2	49.8	74.6
268	64.3	49.6	74.4

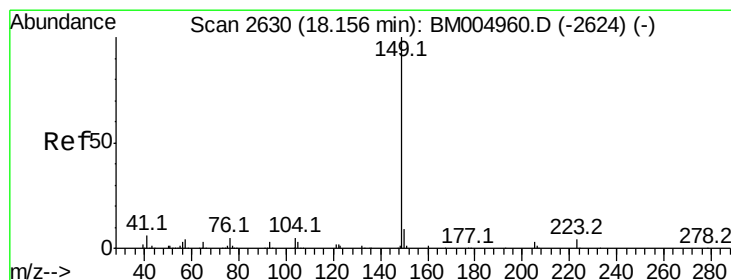
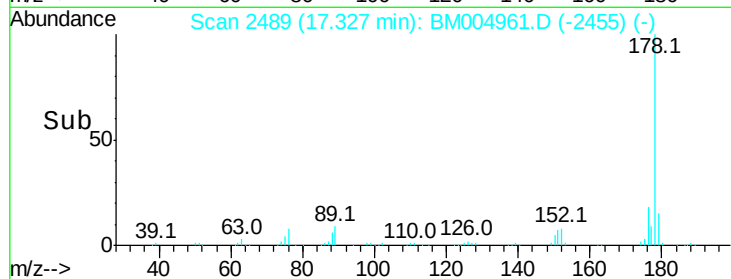
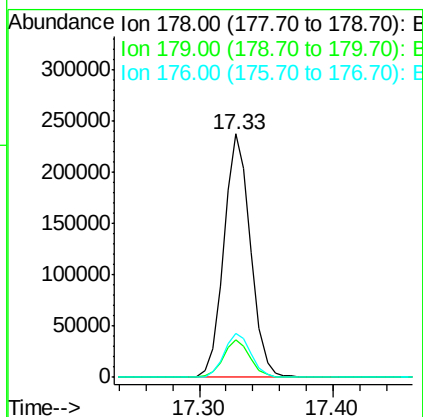
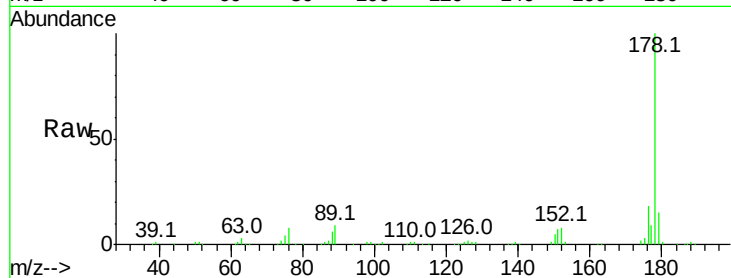




#71
 Anthracene
 Concen: 12.59 ng/ul
 RT: 17.33 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BM004961.D
 Acq: 15 Apr 2016 16:42

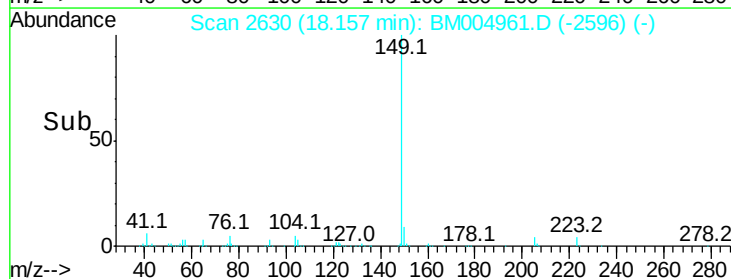
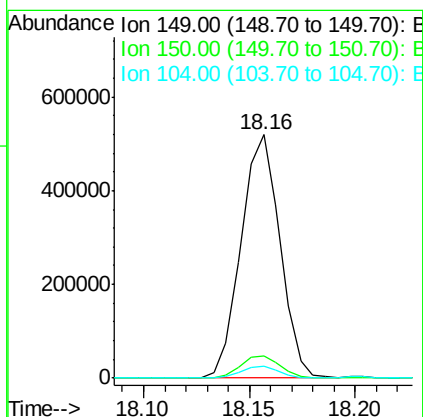
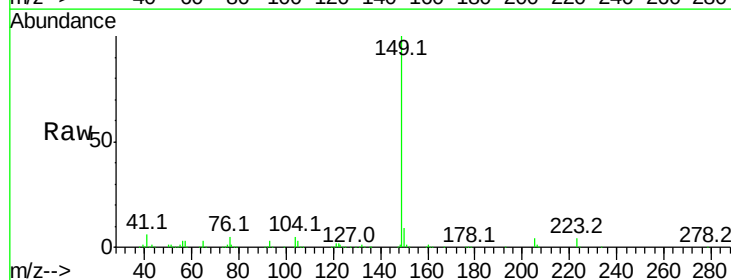
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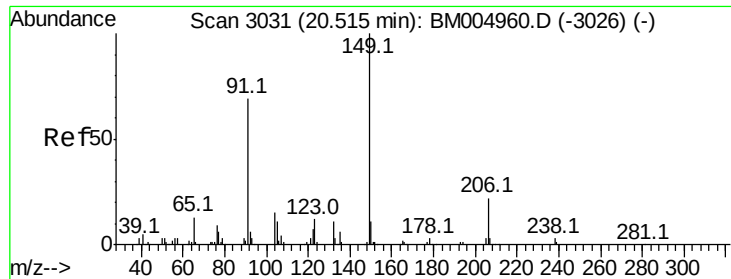
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	18.3	14.6	22.0



#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

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

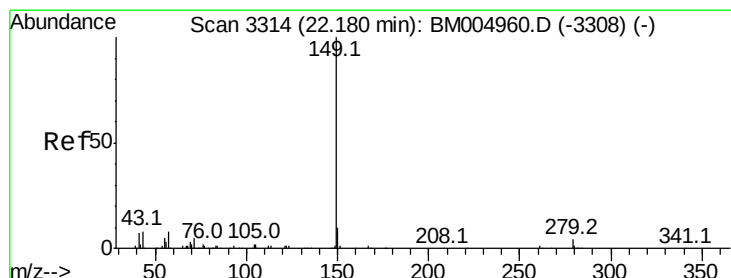
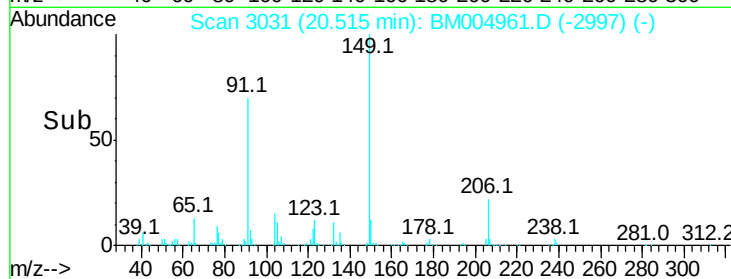
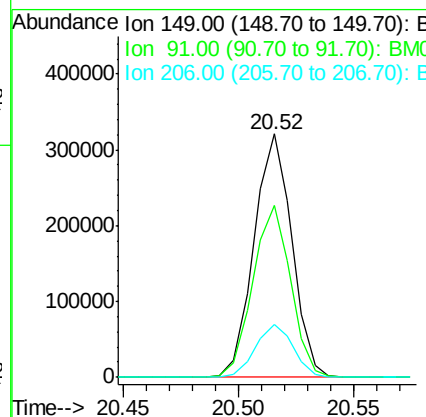
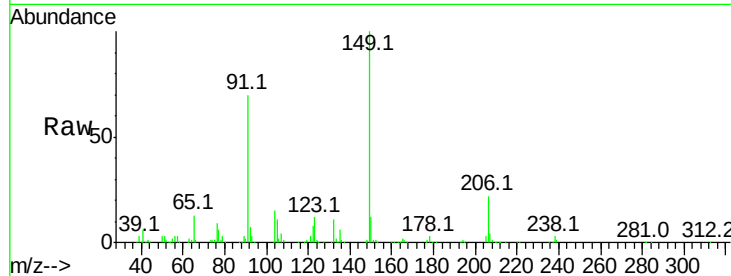




#78
 Butylbenzylphthalate
 Concen: 33.79 ng/ul
 RT: 20.52 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: BM004961.D
 Acq: 15 Apr 2016 16:42

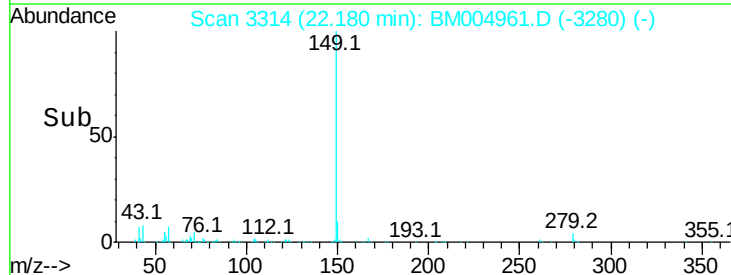
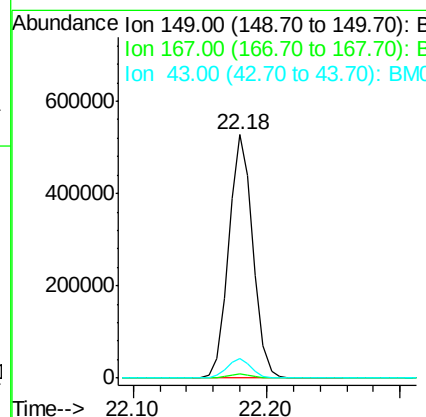
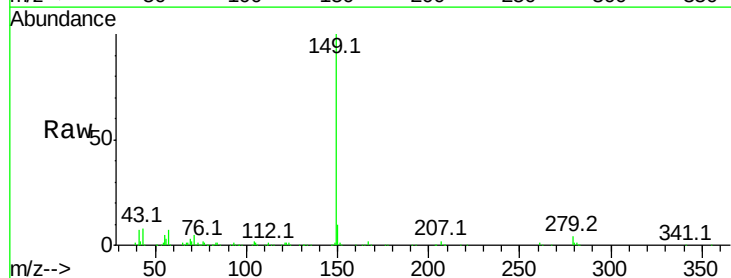
Instrument :
 BNA_M
 ClientSampleId :
 D9T72

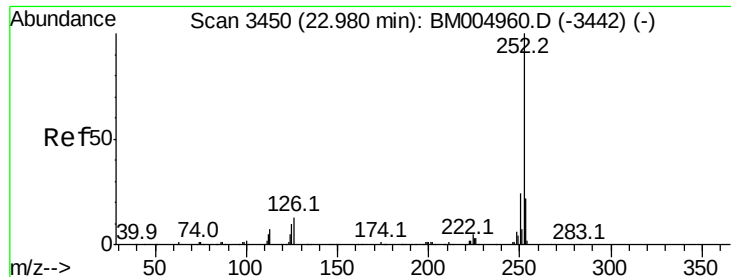
Tot Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.0	85.6
206	21.9	16.6	24.8



#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

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

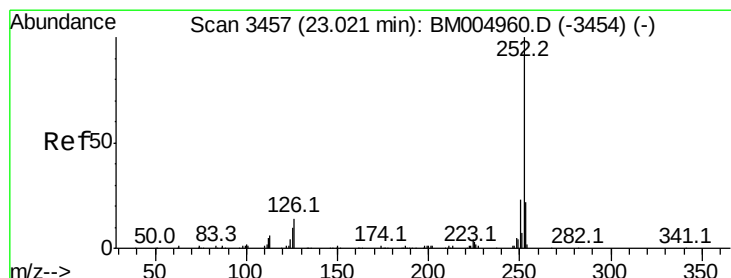
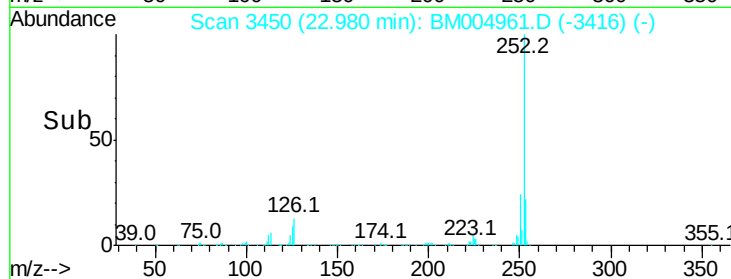
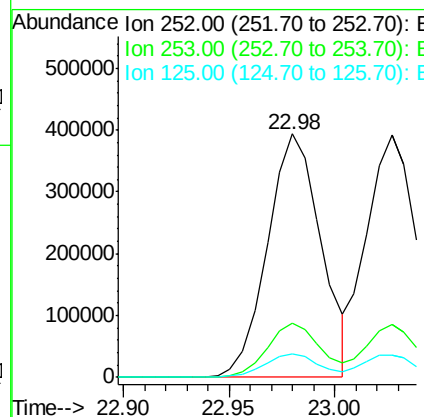
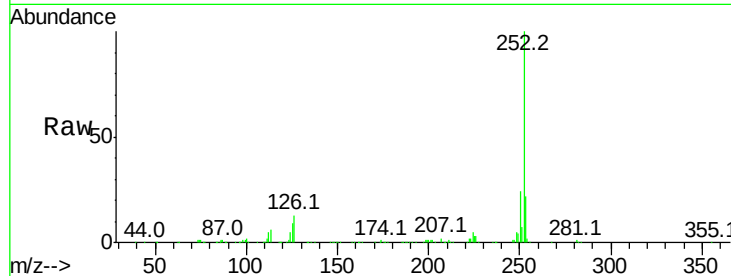




#85
Benzo(b)fluoranthene
Concen: 32.74 ng/ul
RT: 22.98 min Scan# 3450
Delta R.T. 0.00 min
Lab File: BM004961.D
Acq: 15 Apr 2016 16:42

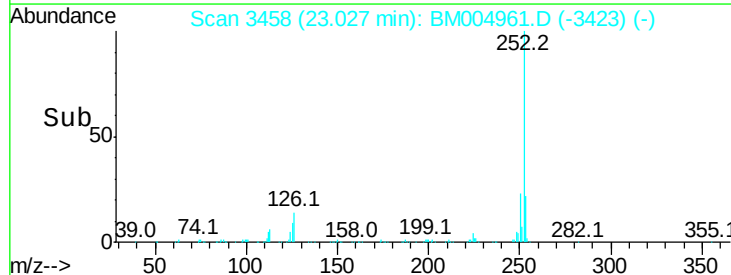
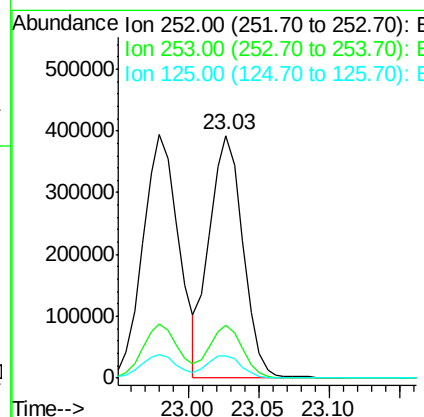
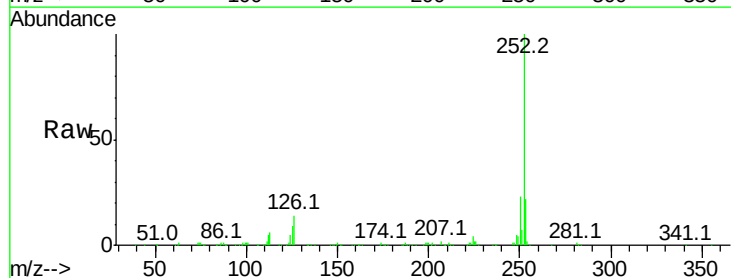
Instrument :
BNA_M
ClientSampleId :
D9T72

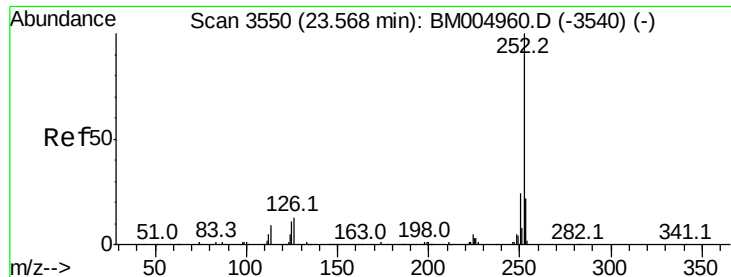
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.5	7.8	11.6



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

Tgt 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/ul

RT: 23.57 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BM004961.D

Acq: 15 Apr 2016 16:42

Instrument :

BNA_M

ClientSampleId :

D9T72

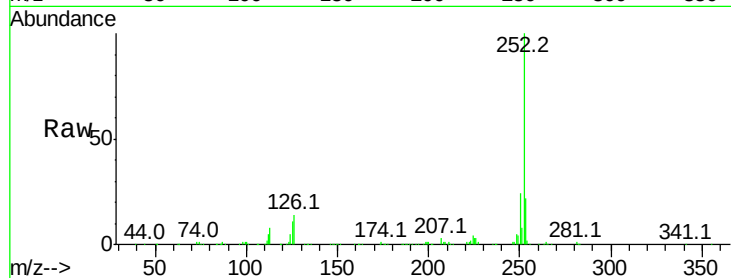
Tot Ion:252 Resp: 570840

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

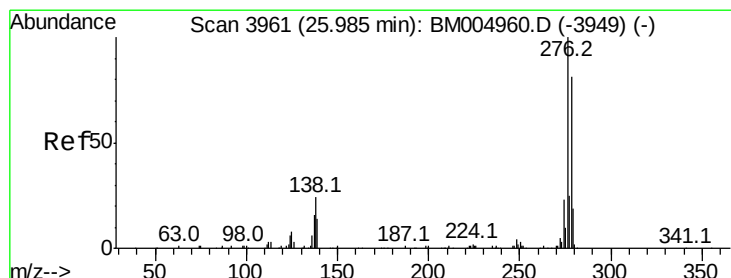
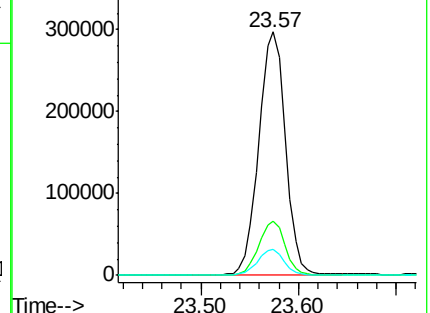
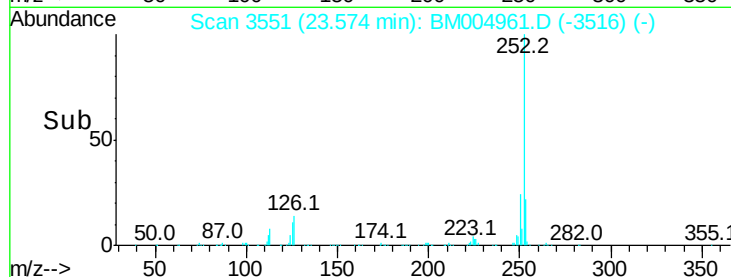
125 10.6 8.3 12.5



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: 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

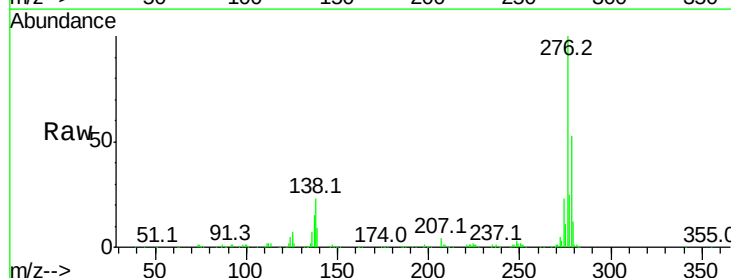
Tgt Ion:276 Resp: 703707

Ion Ratio Lower Upper

276 100

138 22.6 20.2 30.4

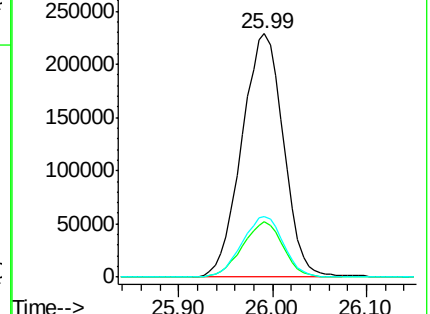
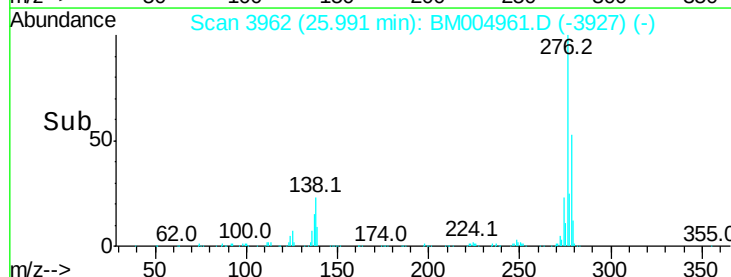
277 24.6 20.4 30.6

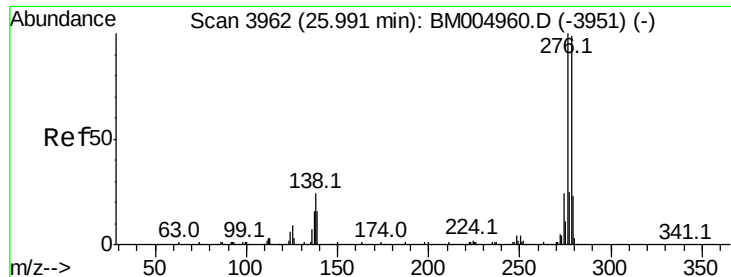


Abundance Ion 276.00 (275.70 to 276.70): E

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

Instrument :

BNA_M

ClientSampleId :

D9T72

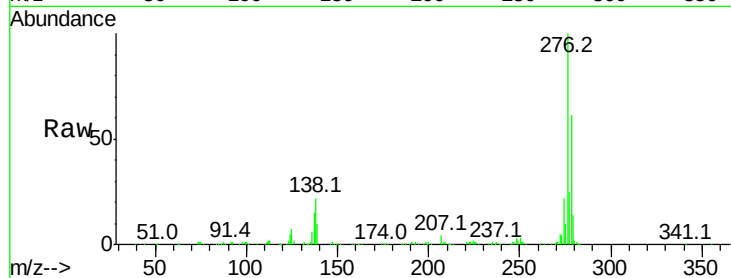
Tot Ion:278 Resp: 363072

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

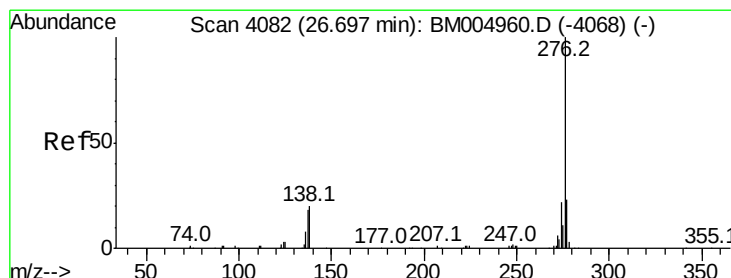
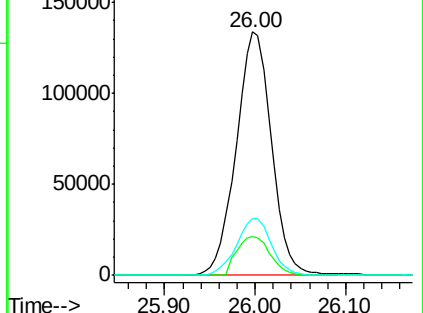
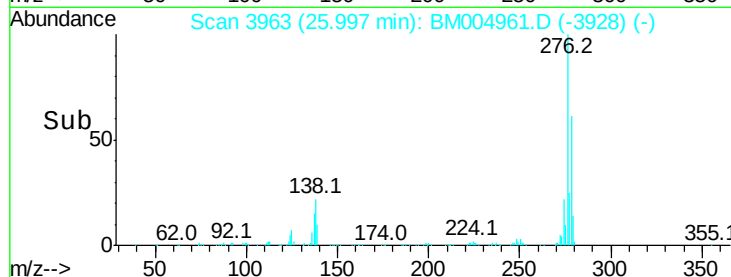
279 23.3 19.1 28.7



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

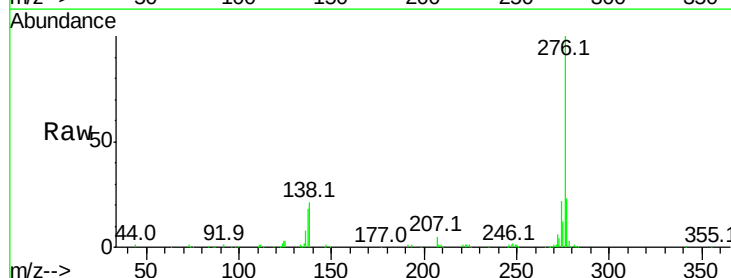
Tgt Ion:276 Resp: 600090

Ion Ratio Lower Upper

276 100

138 20.5 17.4 26.2

277 23.2 19.0 28.4



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

