

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
 Data File : BM004543.D
 Acq On : 03 Mar 2016 22:01
 Operator : SJ/UM
 Sample : H1616-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BLDG06-P001-SS001-02

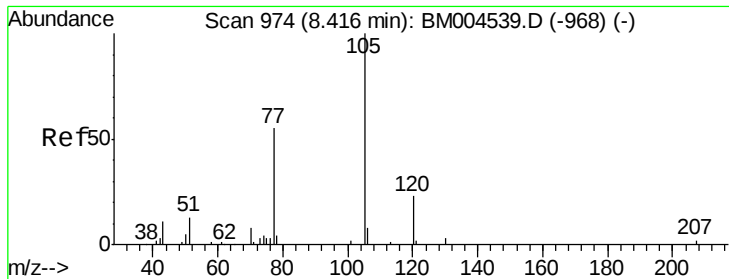
Quant Time: Mar 04 04:32:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 04 04:25:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	31128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	126671	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.27	164	60091	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.03	188	111669	20.00	ng/ul	0.02
78) Chrysene-d12	21.28	240	168639	20.00	ng/ul	0.06
86) Perylene-d12	23.47	264	42797	20.00	ng/ul	0.04

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.06	96	1250	2.16	ng/uL	0.00
5) Phenol-d5	6.80	99	37933	15.12	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.94	67	19755	15.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	37115	16.60	ng/ul	0.01
13) 4-Methylphenol-d8	8.33	113	32314	14.62	ng/ul	0.01
19) Nitrobenzene-d5	8.76	128	18498	19.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	20978	19.36	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.03	165	31609	16.12	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	13.68	166	96833	19.37	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	115852	19.17	ng/ul	0.01
52) 4-Nitrophenol-d4	14.55	143	5831	7.91	ng/ul	0.04
58) Fluorene-d10	15.27	176	76843	17.72	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.43	200	4589	6.33	ng/ul	0.02
71) Anthracene-d10	17.12	188	91754	16.79	ng/ul	0.01
79) Pyrene-d10	19.46	212	79252	8.74	ng/ul	0.04
90) Benzo(a)pyrene-d12	23.47	264	42665	18.74	ng/ul	0.18

Target Compounds				Qvalue		
14) Acetophenone	8.43	105	33189	9.51	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.34	70	10227	6.27	ng/ul#	24
20) Nitrobenzene	8.70	77	2910	1.47	ng/ul#	42
28) Naphthalene	10.44	128	688524	98.82	ng/ul	100
30) 4-Chloroaniline	10.44	127	90565	35.26	ng/ul#	6
34) 2-Methylnaphthalene	12.06	142	7597	1.46	ng/ul	97
45) Dimethylphthalate	13.73	163	42779	8.14	ng/ul	99
48) Acenaphthylene	13.99	152	7700	1.19	ng/ul#	54
50) Acenaphthene	14.33	153	5424	1.22	ng/ul	95
54) Dibenzofuran	14.67	168	18141	2.92	ng/ul#	70
55) 2,4-Dinitrotoluene	14.65	165	2967	1.93	ng/ul#	86
64) 4,6-Dinitro-2-methylphenol	15.39	198	1064	1.36	ng/ul#	1
65) N-Nitrosodiphenylamine	15.54	169	9103	2.49	ng/ul#	64
70) Phenanthrene	17.07	178	29520	4.41	ng/ul#	93
72) Anthracene	17.16	178	8552	1.26	ng/ul#	77
77) Fluoranthene	19.13	202	21357	2.96	ng/ul#	44
81) Butylbenzylphthalate	20.40	149	28717	5.94	ng/ul#	33
84) Bis(2-ethylhexyl)phthalate	21.13	149	69094	10.13	ng/ul#	15
87) Di-n-octyl phthalate	22.05	149	11367	3.53	ng/ul#	1

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



#14

Acetophenone

Concen: 9.51 ng/ul

RT: 8.43 min Scan# 976

Delta R.T. 0.01 min

Lab File: BM004543.D

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BLDG06-P001-SS001-02

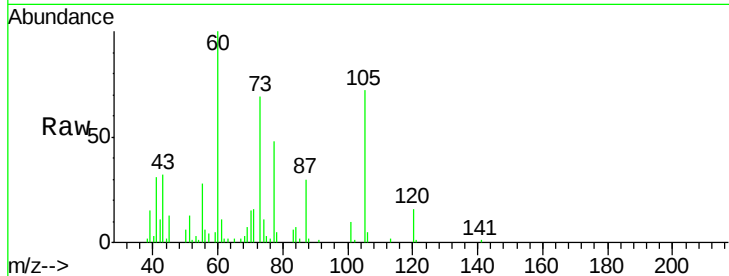
Tgt Ion: 105 Resp: 33189

Ion Ratio Lower Upper

105 100

77 67.6 59.0 88.4

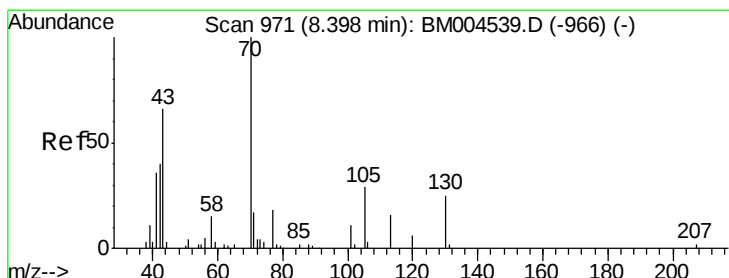
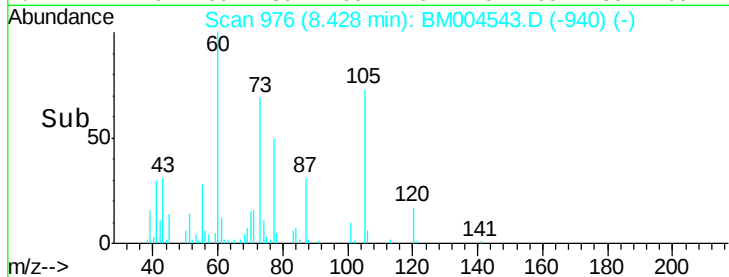
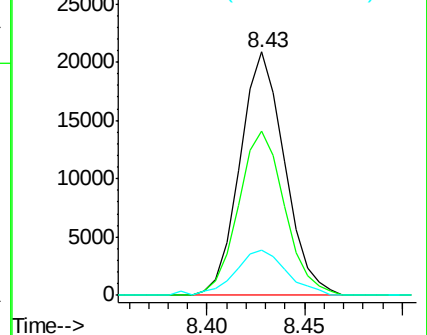
51 18.4 16.4 24.6



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: 6.27 ng/ul

RT: 8.34 min Scan# 961

Delta R.T. -0.06 min

Lab File: BM004543.D

Acq: 03 Mar 2016 22:01

Tgt Ion: 70 Resp: 10227

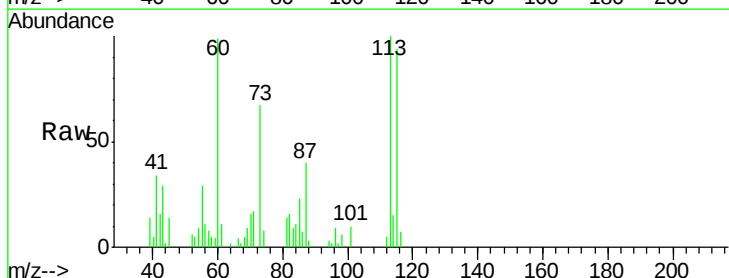
Ion Ratio Lower Upper

70 100

42 95.7 35.4 53.0#

101 57.9 8.4 12.6#

130 0.0 18.2 27.4#

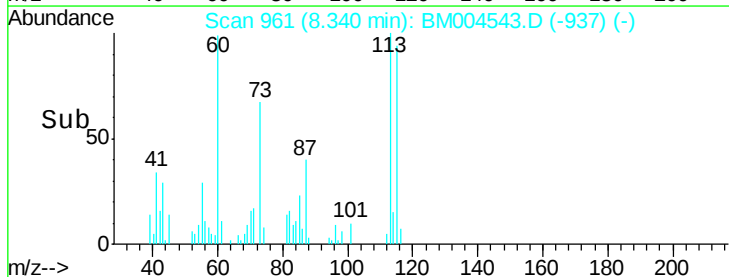
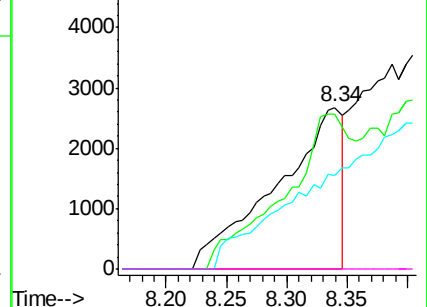


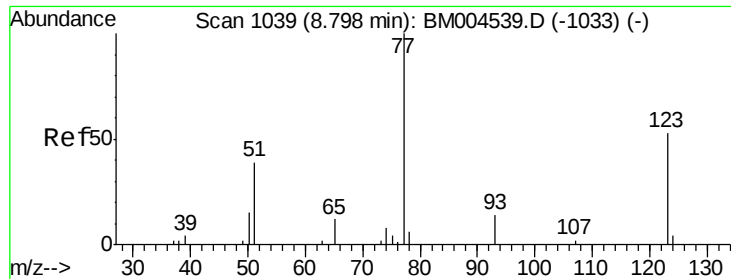
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

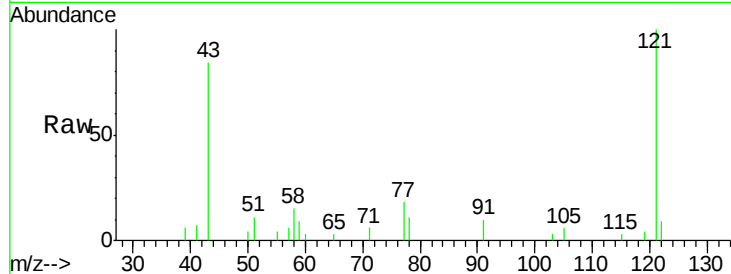




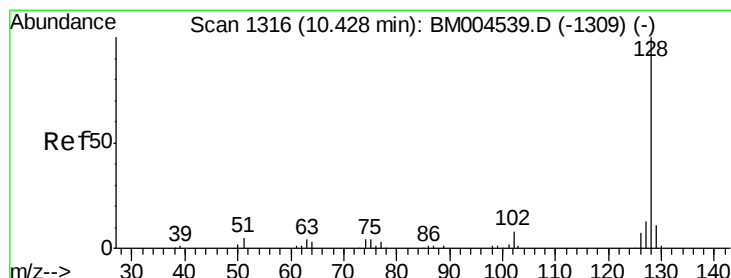
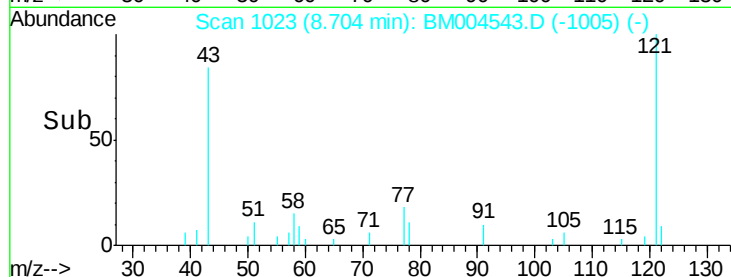
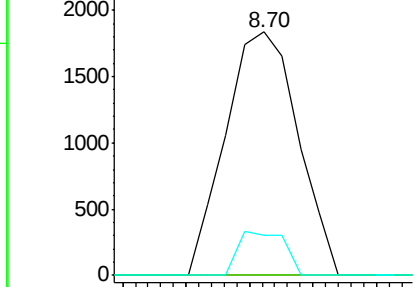
#20
Nitrobenzene
Concen: 1.47 ng/ul
RT: 8.70 min Scan# 1023
Delta R.T. -0.09 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

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BLDG06-P001-SS001-02

Tgt Ion: 77 Resp: 2910
Ion Ratio Lower Upper
77 100
123 0.0 39.0 58.4#
65 16.6 10.4 15.6#

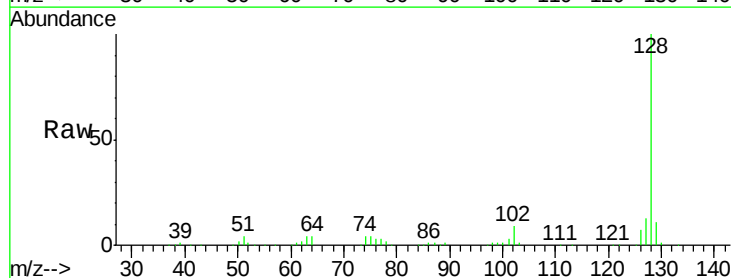


Abundance Ion 77.00 (76.70 to 77.70): BM004543.D (-1005) (-)
Ion 123.00 (122.70 to 123.70): BM004543.D (-1005) (-)
Ion 65.00 (64.70 to 65.70): BM004543.D (-1005) (-)

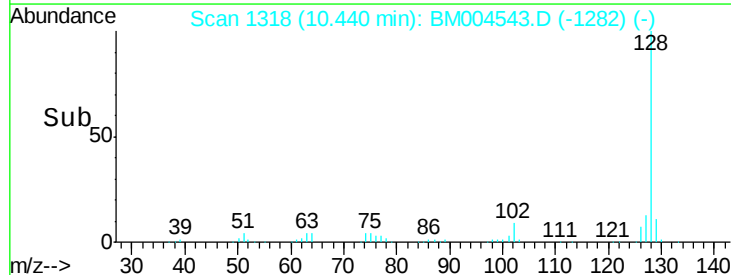
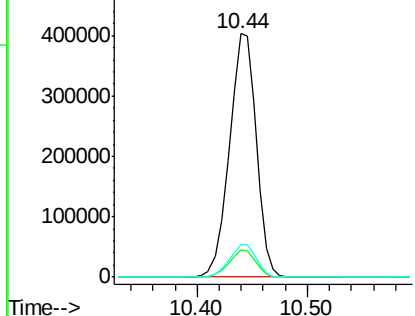


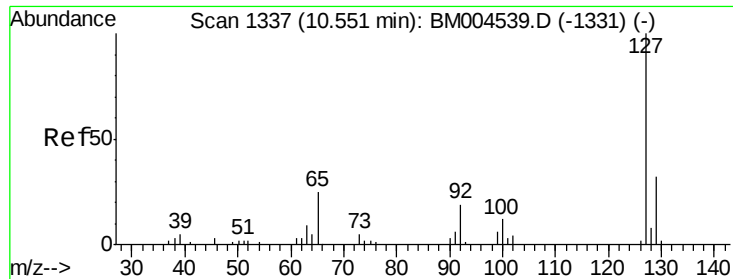
#28
Naphthalene
Concen: 98.82 ng/ul
RT: 10.44 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Tgt Ion: 128 Resp: 688524
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): BM004543.D (-1282) (-)
Ion 129.00 (128.70 to 129.70): BM004543.D (-1282) (-)
Ion 127.00 (126.70 to 127.70): BM004543.D (-1282) (-)

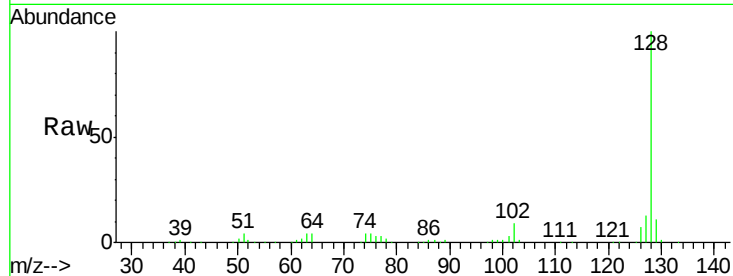




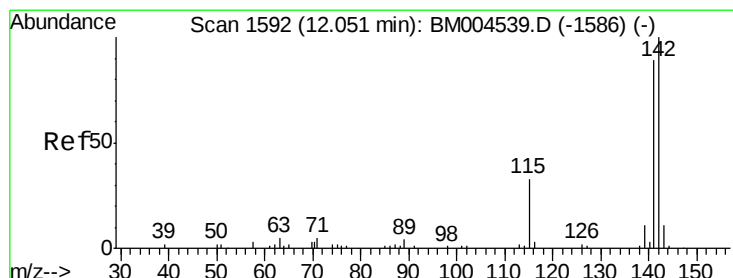
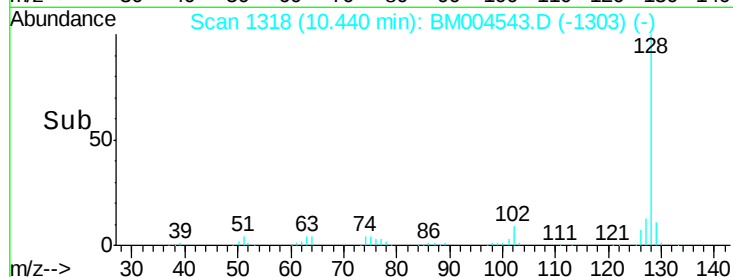
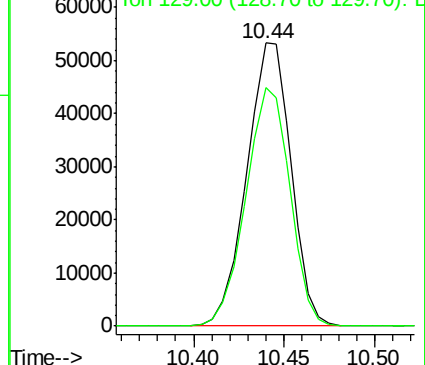
#30
4-Chloroaniline
Concen: 35.26 ng/ul
RT: 10.44 min Scan# 1318
Delta R.T. -0.11 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Instrument :
BNA_M
ClientSampleId :
BLDG06-P001-SS001-02

Tgt Ion:127 Resp: 90565
Ion Ratio Lower Upper
127 100
129 84.2 25.4 38.2#

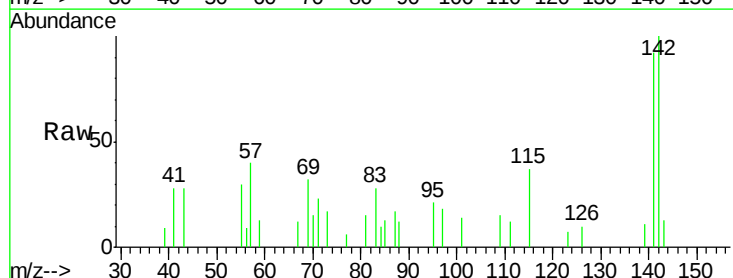


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

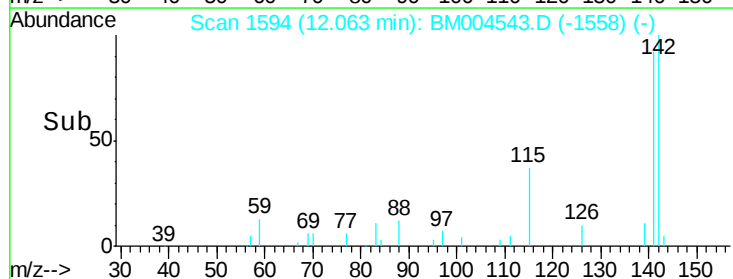
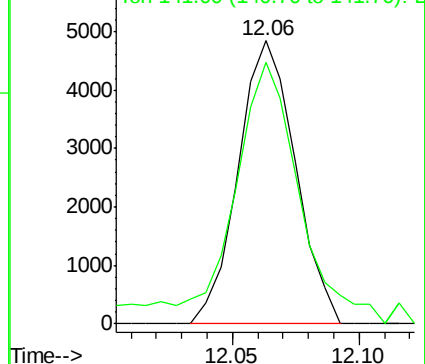


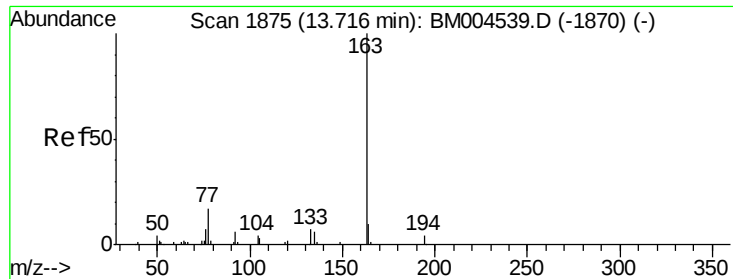
#34
2-Methylnaphthalene
Concen: 1.46 ng/ul
RT: 12.06 min Scan# 1594
Delta R.T. 0.01 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Tgt Ion:142 Resp: 7597
Ion Ratio Lower Upper
142 100
141 92.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

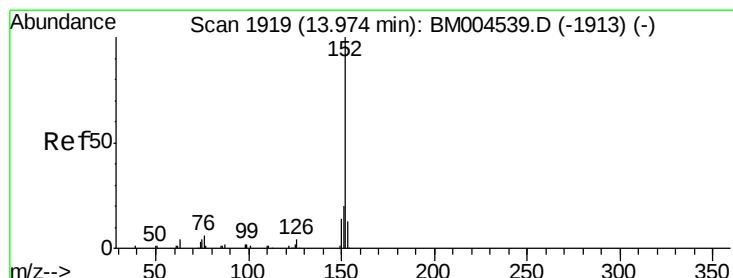
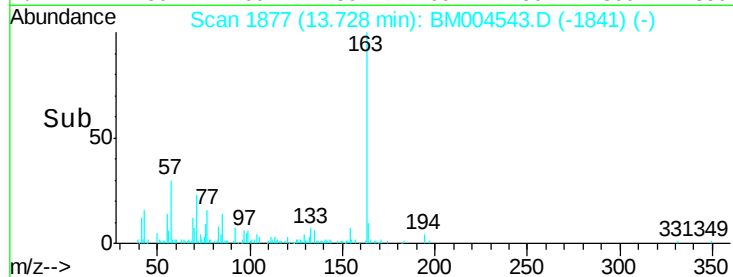
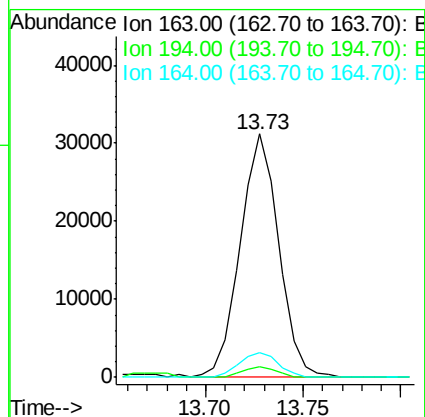
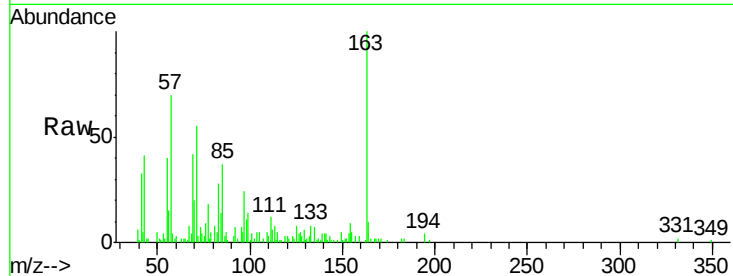




#45
Dimethylphthalate
Concen: 8.14 ng/ul
RT: 13.73 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

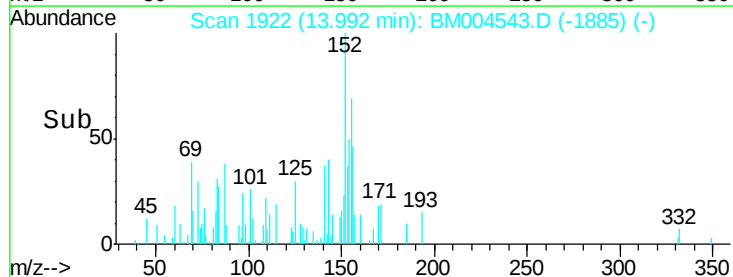
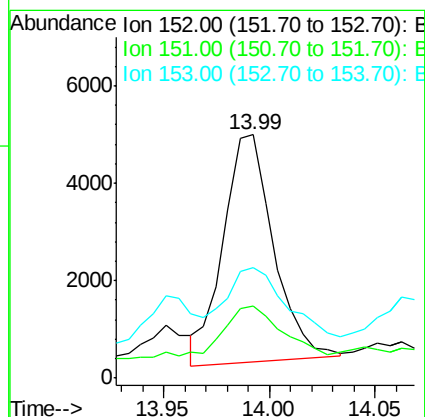
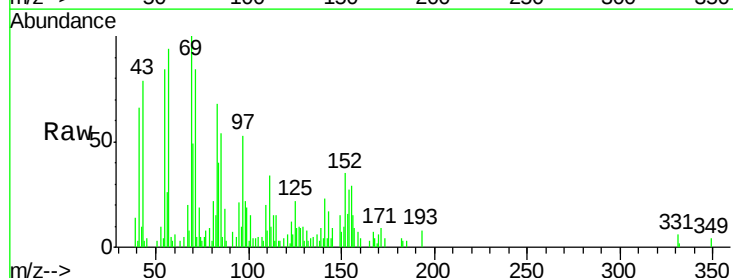
Instrument :
BNA_M
ClientSampleId :
BLDG06-P001-SS001-02

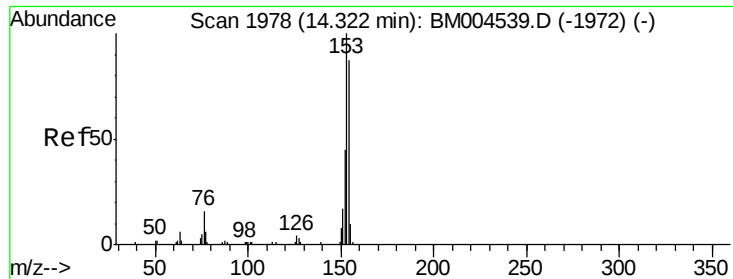
Tgt Ion:163 Resp: 42779
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.1 7.8 11.8



#48
Acenaphthylene
Concen: 1.19 ng/ul
RT: 13.99 min Scan# 1922
Delta R.T. 0.02 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Tgt Ion:152 Resp: 7700
Ion Ratio Lower Upper
152 100
151 29.4 15.7 23.5#
153 45.6 10.5 15.7#





#50

Acenaphthene

Concen: 1.22 ng/ul

RT: 14.33 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BM004543.D

Acq: 03 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

BLDG06-P001-SS001-02

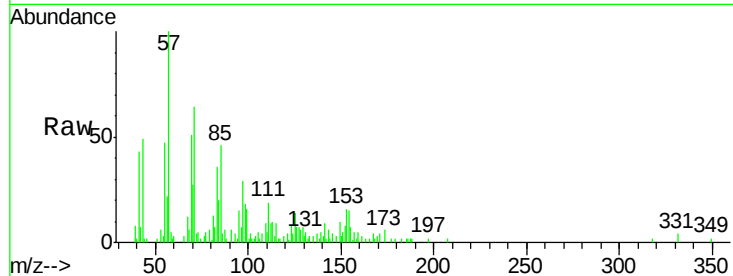
Tgt Ion:153 Resp: 5424

Ion Ratio Lower Upper

153 100

152 50.1 38.3 57.5

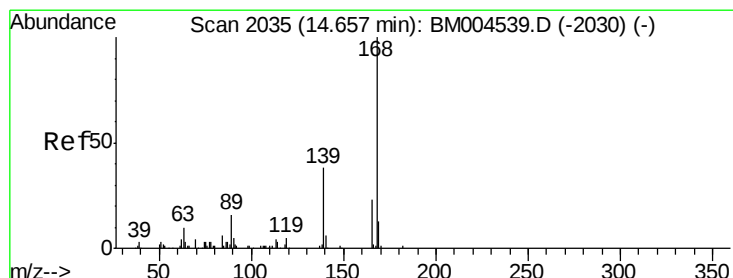
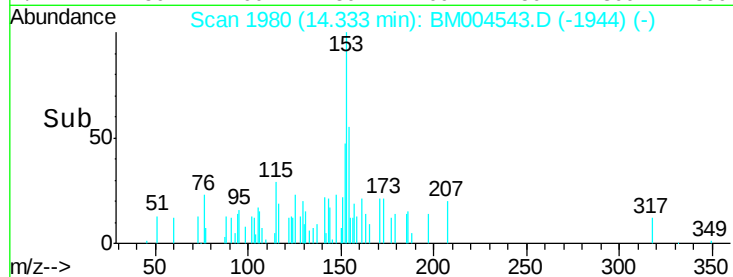
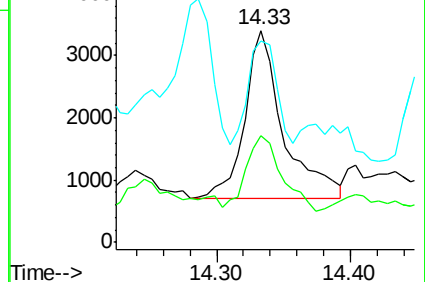
154 95.0 71.8 107.8



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



#54

Dibenzofuran

Concen: 2.92 ng/ul

RT: 14.67 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BM004543.D

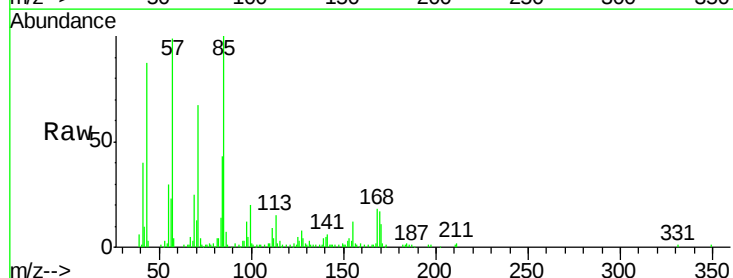
Acq: 03 Mar 2016 22:01

Tgt Ion:168 Resp: 18141

Ion Ratio Lower Upper

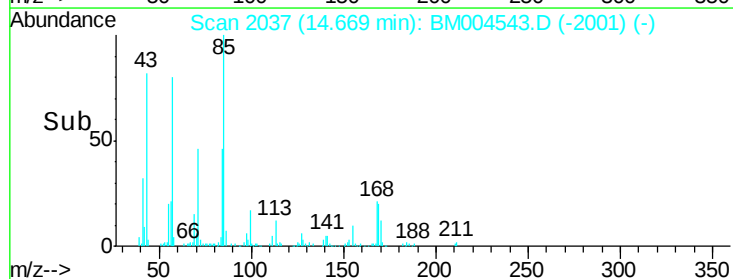
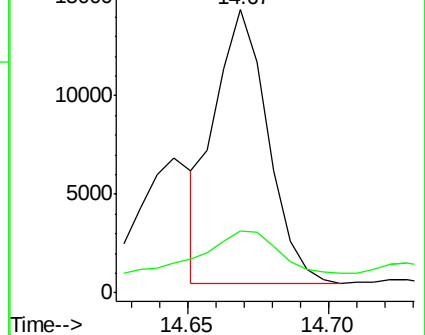
168 100

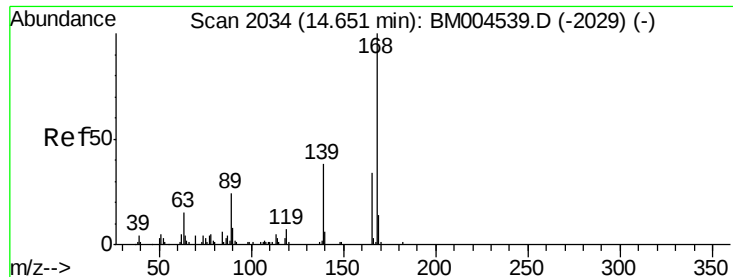
139 21.9 32.2 48.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

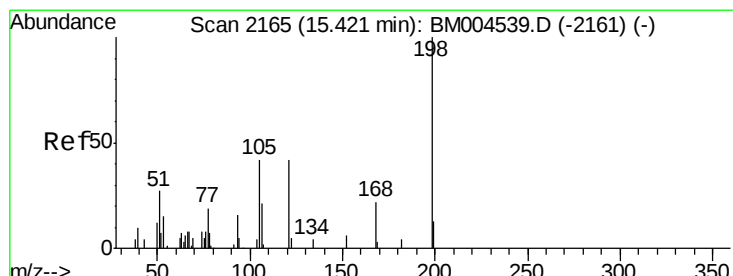
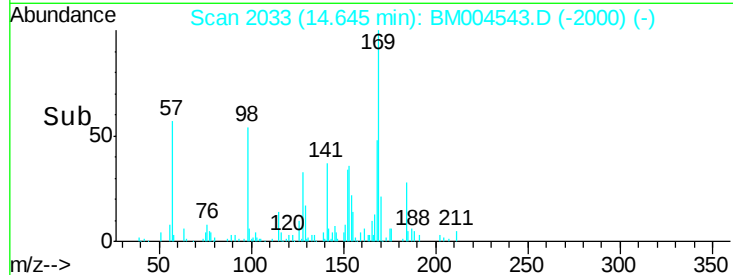
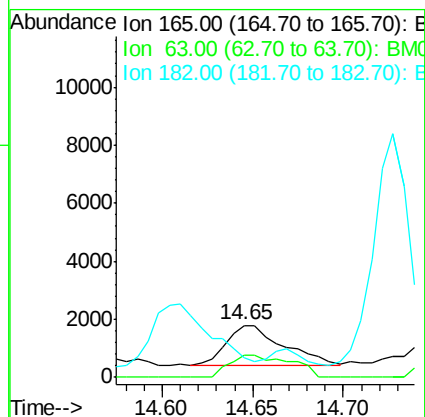
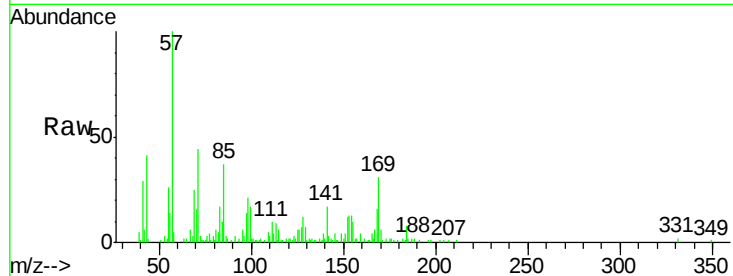




#55
 2,4-Dinitrotoluene
 Concen: 1.93 ng/ul
 RT: 14.65 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BM004543.D
 Acq: 03 Mar 2016 22:01

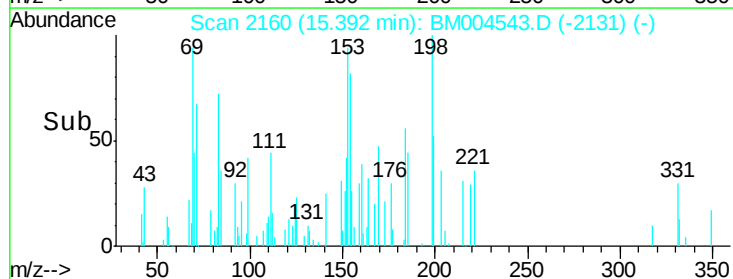
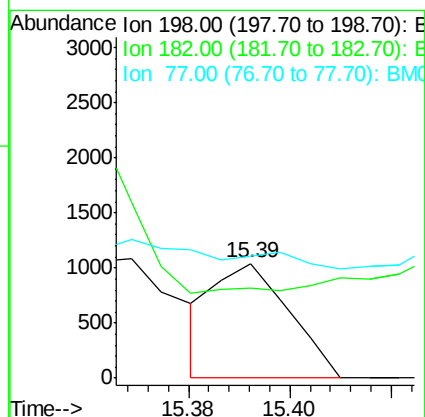
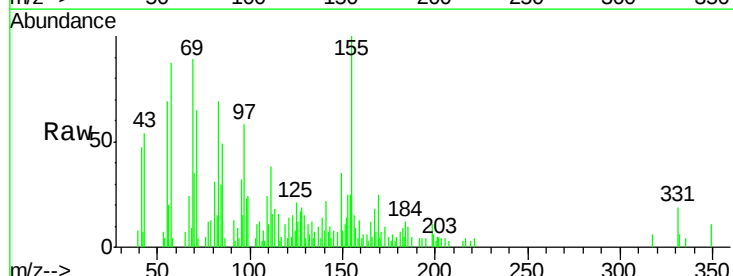
Instrument :
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 BLDG06-P001-SS001-02

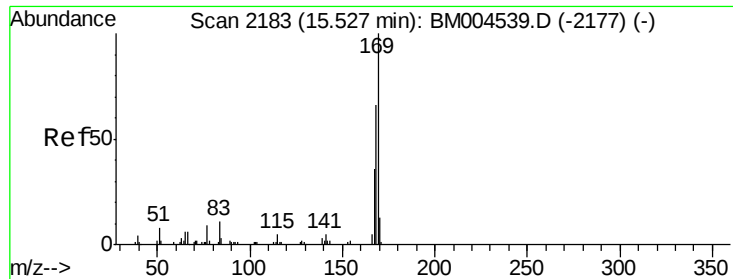
Tgt Ion:165 Resp: 2967
 Ion Ratio Lower Upper
 165 100
 63 41.4 29.8 44.6
 182 37.4 2.2 3.4#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.36 ng/ul
 RT: 15.39 min Scan# 2160
 Delta R.T. -0.03 min
 Lab File: BM004543.D
 Acq: 03 Mar 2016 22:01

Tgt Ion:198 Resp: 1064
 Ion Ratio Lower Upper
 198 100
 182 78.3 3.1 4.7#
 77 106.6 20.1 30.1#

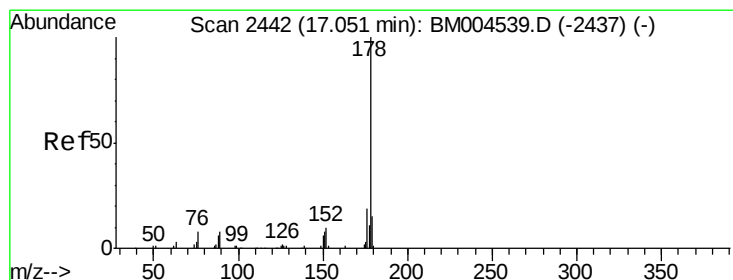
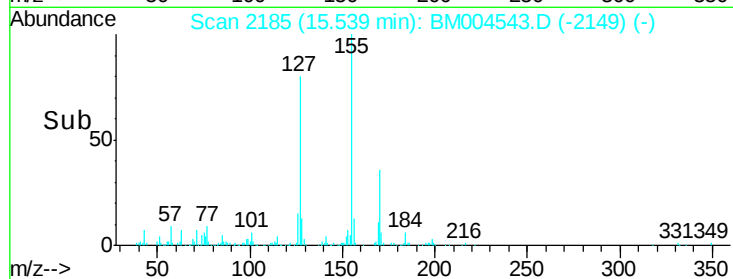
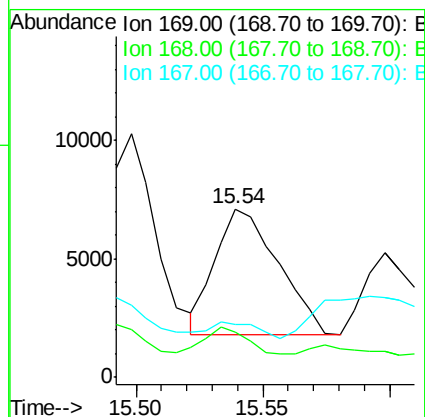
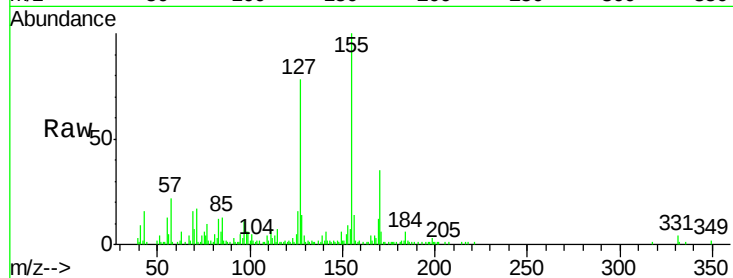




#65
N-Nitrosodiphenylamine
Concen: 2.49 ng/ul
RT: 15.54 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

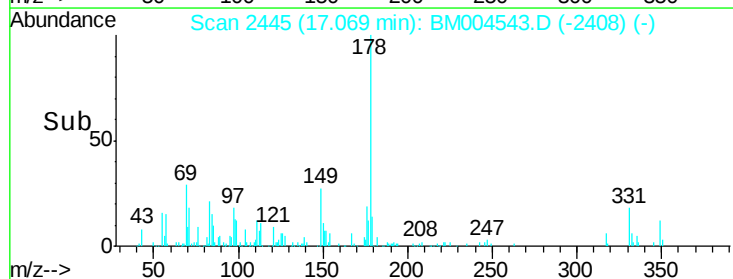
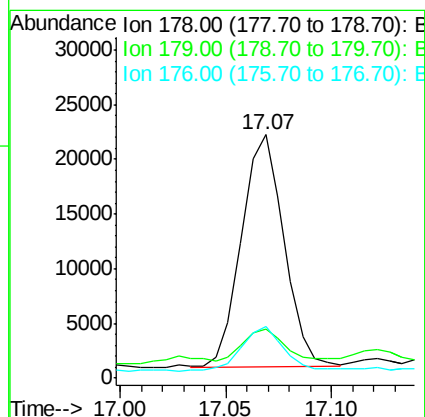
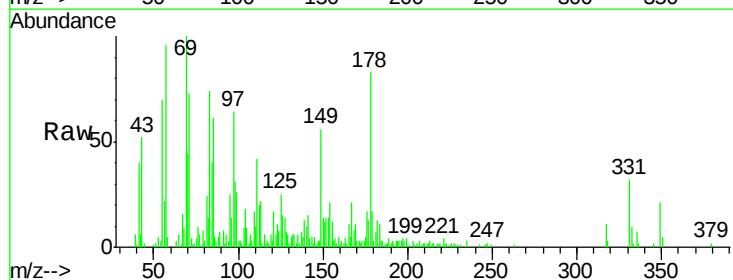
Instrument :
BNA_M
ClientSampleId :
BLDG06-P001-SS001-02

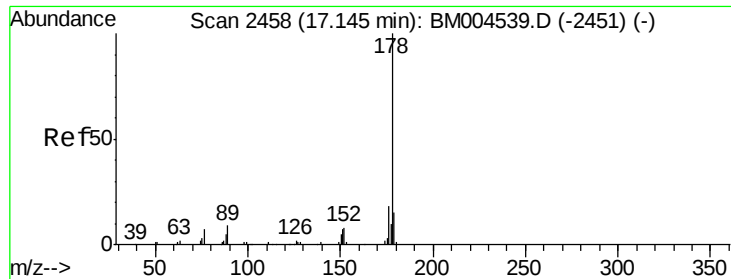
Tgt Ion:169 Resp: 9103
Ion Ratio Lower Upper
169 100
168 26.6 53.8 80.8#
167 31.8 29.3 43.9



#70
Phenanthrene
Concen: 4.41 ng/ul
RT: 17.07 min Scan# 2445
Delta R.T. 0.02 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Tgt Ion:178 Resp: 29520
Ion Ratio Lower Upper
178 100
179 20.1 12.2 18.4#
176 21.0 15.6 23.4





#72

Anthracene

Concen: 1.26 ng/ul

RT: 17.16 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BM004543.D

Acq: 03 Mar 2016 22:01

Instrument :

BNA_M

ClientSampleId :

BLDG06-P001-SS001-02

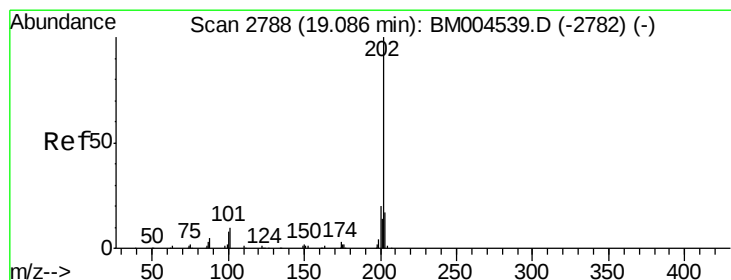
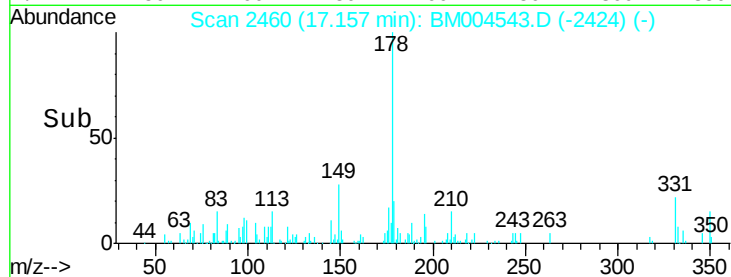
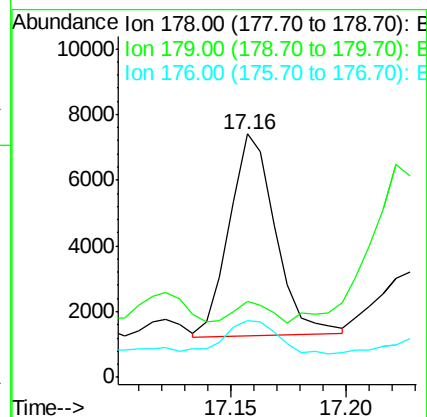
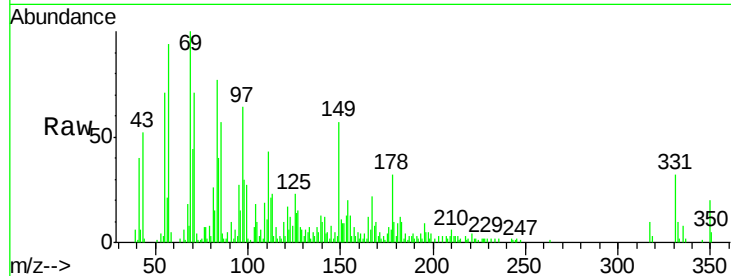
Tgt Ion:178 Resp: 8552

Ion Ratio Lower Upper

178 100

179 31.4 12.1 18.1#

176 23.1 14.8 22.2#



#77

Fluoranthene

Concen: 2.96 ng/ul

RT: 19.13 min Scan# 2795

Delta R.T. 0.04 min

Lab File: BM004543.D

Acq: 03 Mar 2016 22:01

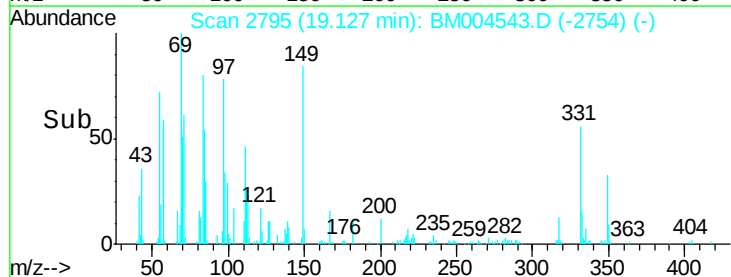
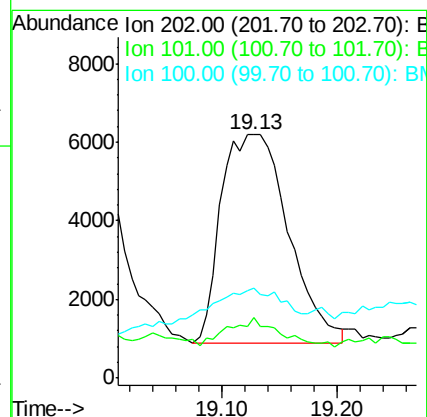
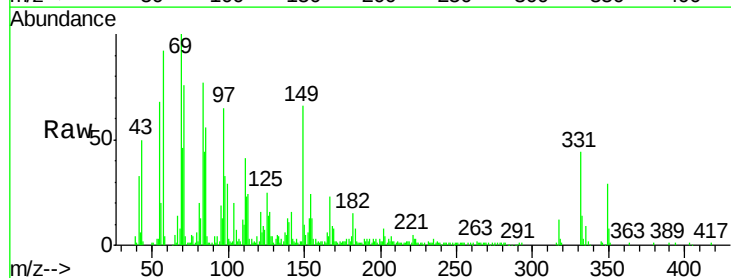
Tgt Ion:202 Resp: 21357

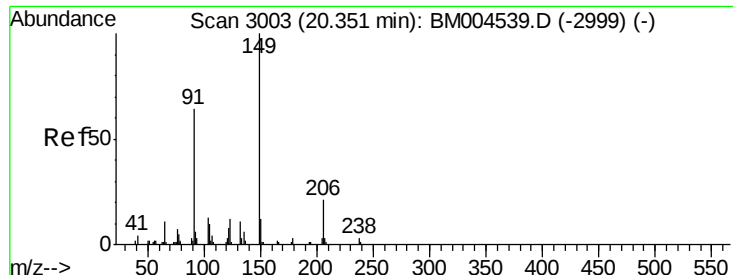
Ion Ratio Lower Upper

202 100

101 25.0 8.8 13.2#

100 37.0 6.6 9.8#

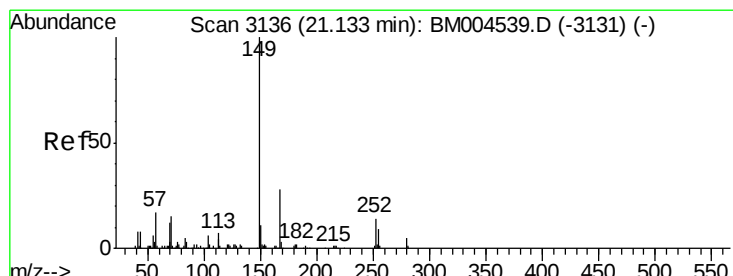
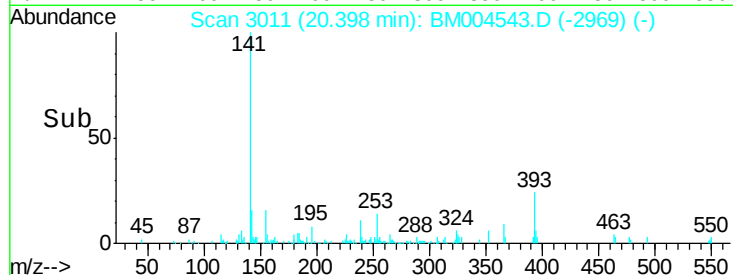
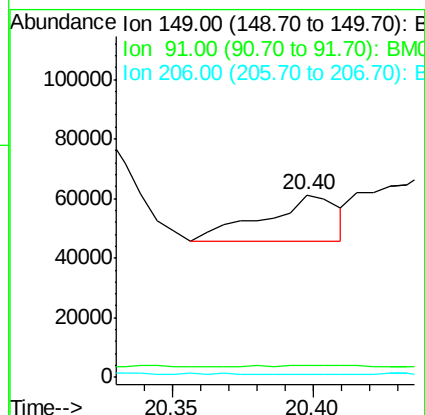
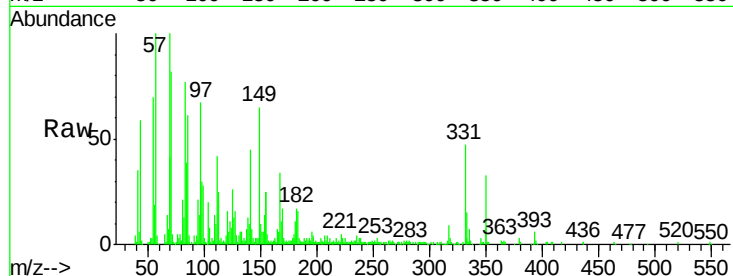




#81
Butylbenzylphthalate
Concen: 5.94 ng/ul
RT: 20.40 min Scan# 3011
Delta R.T. 0.05 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

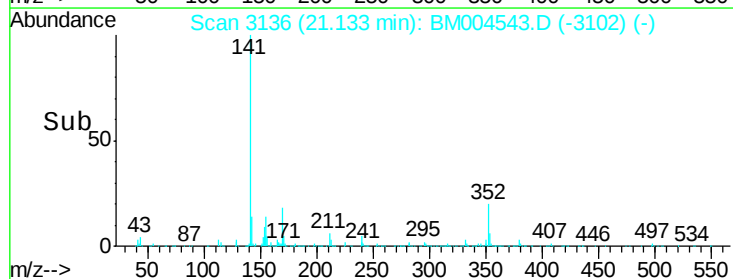
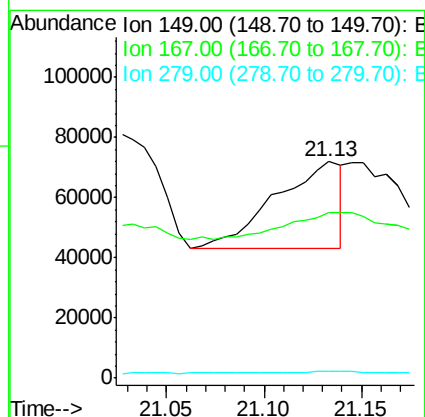
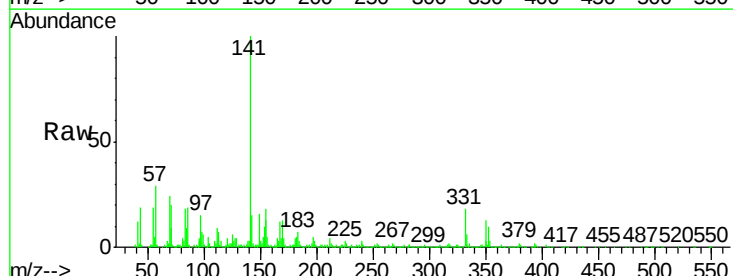
Instrument :
BNA_M
ClientSampleId :
BLDG06-P001-SS001-02

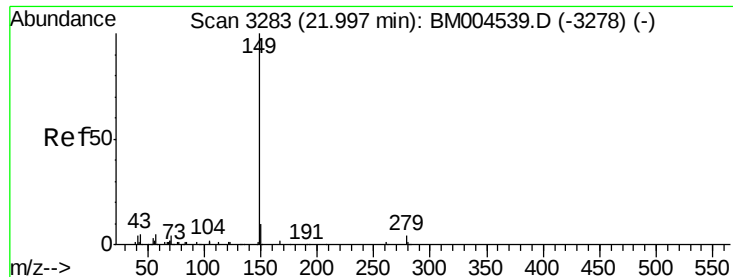
Tgt Ion:149 Resp: 28717
Ion Ratio Lower Upper
149 100
91 6.4 53.4 80.2#
206 2.0 16.6 24.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.13 ng/ul
RT: 21.13 min Scan# 3136
Delta R.T. 0.00 min
Lab File: BM004543.D
Acq: 03 Mar 2016 22:01

Tgt Ion:149 Resp: 69094
Ion Ratio Lower Upper
149 100
167 76.7 21.6 32.4#
279 2.9 3.0 4.4#





#87
 Di-n-octyl phthalate
 Concen: 3.53 ng/ul
 RT: 22.05 min Scan# 3292
 Delta R.T. 0.05 min
 Lab File: BM004543.D
 Acq: 03 Mar 2016 22:01

Instrument :
 BNA_M
 ClientSampleId :
 BLDG06-P001-SS001-02

Tgt Ion:149 Resp: 11367
 Ion Ratio Lower Upper
 149 100
 167 508.4 1.2 1.8#
 43 606.2 5.6 8.4#

