

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082316\
 Data File : BM007265.D
 Acq On : 23 Aug 2016 22:54
 Operator : UM/SJ
 Sample : MDL-03-S-ML
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Manual Integrations
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 8/24/2016 4:15:29 PM

Quant Time: Aug 24 06:45:33 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 13:53:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	146840	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	718880	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	524465	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1450391	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2166279	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2431519	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	6211	2.16	ng/uL	0.00
5) Phenol-d5	6.97	99	302867	21.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	179598	24.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	240417	23.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	269563	22.28	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	127514	24.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	150607	24.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	274240	22.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	391856	25.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1223451	27.04	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1328134	25.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	224413	26.27	ng/ul	0.00
57) Fluorene-d10	15.43	176	1020854	26.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	218408	23.95	ng/ul	0.00
70) Anthracene-d10	17.27	188	1823922	26.92	ng/ul	0.00
76) Pyrene-d10	19.57	212	2375229	26.22	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	3028236	27.04	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.35	88	1790	0.56 ng/uL#	78
4) Benzaldehyde	6.95	77	19211	2.43 ng/ul	93
6) Phenol	6.99	94	27001	1.88 ng/ul	92
8) Bis(2-Chloroethyl)ether	7.23	93	20145	2.01 ng/ul	98
10) 2-Chlorophenol	7.37	128	19301	1.84 ng/ul	93
11) 2-Methylphenol	8.24	108	18783	1.67 ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.33	45	21912	1.94 ng/ul#	96
14) Acetophenone	8.62	105	37988	2.05 ng/ul	93
15) N-Nitroso-di-n-propylamine	8.60	70	18108	1.84 ng/ul	100
16) 4-Methylphenol	8.56	108	22485	1.78 ng/ul	100
17) Hexachloroethane	8.87	117	7726	1.89 ng/ul#	84
20) Nitrobenzene	9.00	77	27404	2.02 ng/ul	96
21) Isophorone	9.52	82	51747	1.87 ng/ul	99
23) 2-Nitrophenol	9.70	139	12810	1.91 ng/ul	93
24) 2,4-Dimethylphenol	9.76	107	28038	1.90 ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.00	93	30485	1.96 ng/ul	94
27) 2,4-Dichlorophenol	10.23	162	22863	1.88 ng/ul	89
28) Naphthalene	10.64	128	68661	1.92 ng/ul	97
30) 4-Chloroaniline	10.75	127	31491	2.00 ng/ul	97
31) Hexachlorobutadiene	10.92	225	16673	2.02 ng/ul	96
32) Caprolactam	11.54	113	9279m	1.89 ng/ul	
33) 4-Chloro-3-methylphenol	11.87	107	26398	1.75 ng/ul	86
34) 2-Methylnaphthalene	12.25	142	56890	1.94 ng/ul	92

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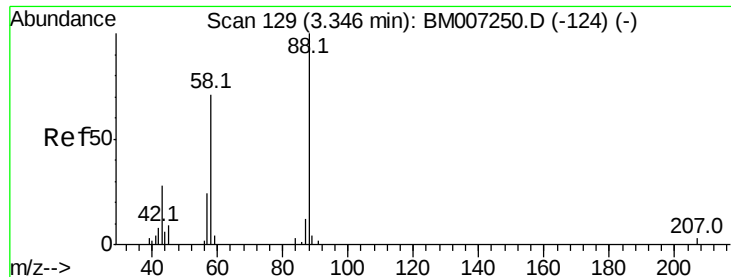
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 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	34321	1.97	ng/ul#	93
37) Hexachlorocyclopentadiene	12.60	237	15359	1.46	ng/ul	95
38) 2,4,6-Trichlorophenol	12.86	196	20598	1.67	ng/ul	90
39) 2,4,5-Trichlorophenol	12.93	196	21694	1.68	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	80990	1.99	ng/ul	98
41) 2-Chloronaphthalene	13.30	162	61800	1.94	ng/ul	97
42) 2-Nitroaniline	13.52	65	16772	1.61	ng/ul	95
44) Dimethylphthalate	13.89	163	100759	2.24	ng/ul	98
45) 2,6-Dinitrotoluene	14.01	165	16265	1.77	ng/ul#	75
47) Acenaphthylene	14.15	152	108979	2.02	ng/ul	97
48) 3-Nitroaniline	14.34	138	16894	1.80	ng/ul	98
49) Acenaphthene	14.50	153	72272	2.06	ng/ul	97
50) 2,4-Dinitrophenol	14.55	184	6960	1.11	ng/ul#	88
52) 4-Nitrophenol	14.64	109	19228	2.12	ng/ul	90
53) Dibenzofuran	14.83	168	111003	2.11	ng/ul	96
54) 2,4-Dinitrotoluene	14.80	165	27384	1.94	ng/ul#	86
55) 2,3,4,6-Tetrachlorophenol	15.06	232	24415	1.85	ng/ul#	93
56) Diethylphthalate	15.26	149	100562	2.14	ng/ul	98
58) Fluorene	15.48	166	92568	2.14	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.47	204	48693	2.15	ng/ul	95
60) 4-Nitroaniline	15.50	138	21542	2.02	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.56	198	19459	2.00	ng/ul#	39
64) N-Nitrosodiphenylamine	15.69	169	83433	2.06	ng/ul	96
65) 4-Bromophenyl-phenylether	16.37	248	31870	1.95	ng/ul#	88
66) Hexachlorobenzene	16.48	284	39511	2.15	ng/ul	95
67) Atrazine	16.64	200	34674	2.03	ng/ul	98
68) Pentachlorophenol	16.83	266	19298	1.63	ng/ul	96
69) Phenanthrene	17.22	178	166653	2.14	ng/ul	99
71) Anthracene	17.31	178	173561	2.16	ng/ul	95
72) Carbazole	17.58	167	151905	2.17	ng/ul	98
73) Di-n-butylphthalate	18.14	149	178529	2.03	ng/ul	99
74) Fluoranthene	19.23	202	228746	2.34	ng/ul	99
77) Pyrene	19.59	202	256031	2.20	ng/ul	99
78) Butylbenzylphthalate	20.49	149	85230	1.76	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.27	252	88934	2.07	ng/ul	98
80) Benzo(a)anthracene	21.34	228	284840	2.23	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	131535	1.88	ng/ul	97
82) Chrysene	21.39	228	259008	2.24	ng/ul	98
84) Di-n-octyl phthalate	22.16	149	237258	1.96	ng/ul	100
85) Benzo(b)fluoranthene	22.94	252	311825	2.17	ng/ul	97
86) Benzo(k)fluoranthene	22.99	252	297005	2.24	ng/ul	100
88) Benzo(a)pyrene	23.53	252	313315	2.28	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.91	276	376706	2.23	ng/ul	98
90) Dibenzo(a,h)anthracene	25.93	278	316966	2.26	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	314185	2.19	ng/ul	97

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



#2

1,4-Dioxane

Concen: 0.56 ng/uL

RT: 3.35 min Scan# 130

Delta R.T. 0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

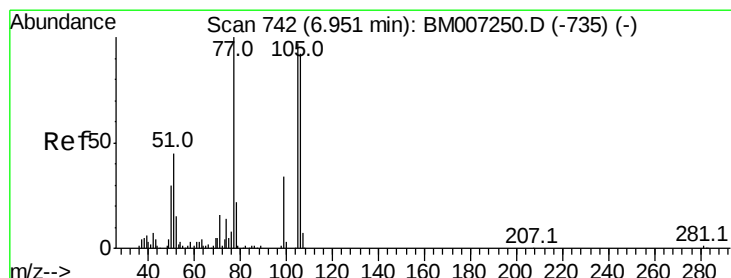
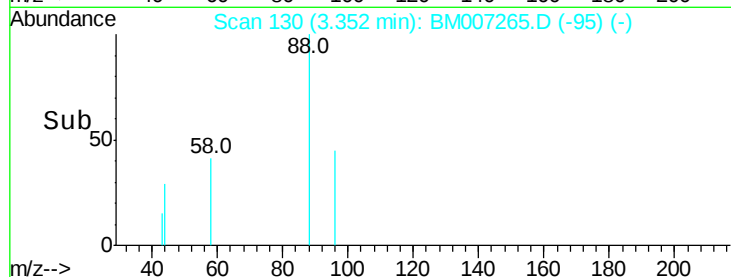
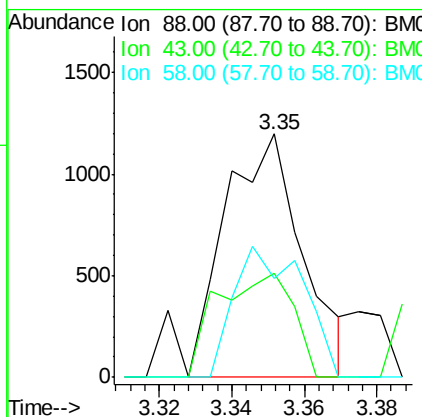
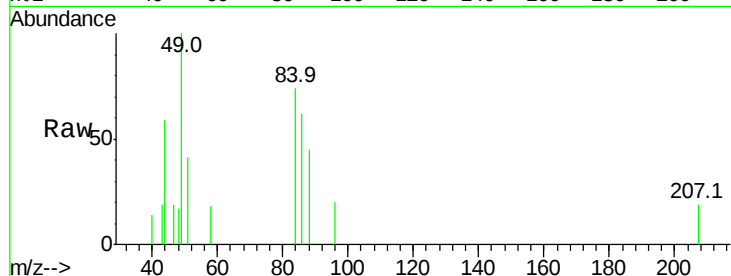
ClientSampleId :

MDL-03-S-ML

Tot Ion:	88	Resp:	1790
Ion	Ratio	Lower	Upper
88	100		
43	25.8	22.6	34.0
58	47.8	57.3	85.9#

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#4

Benzaldehyde

Concen: 2.43 ng/uL

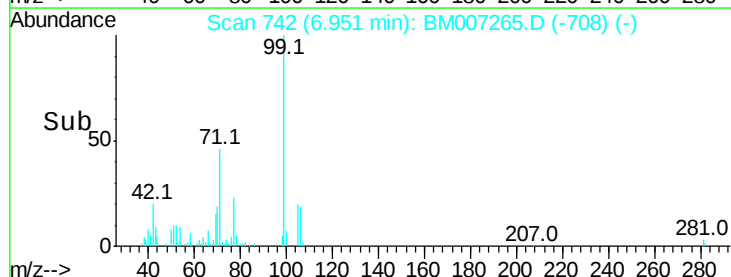
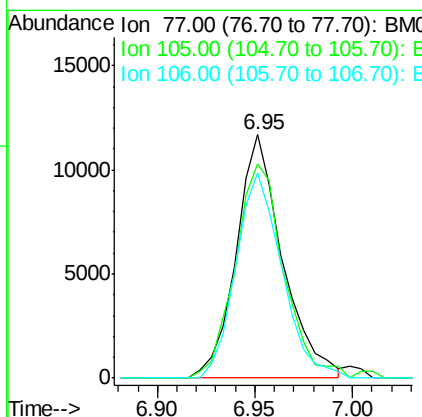
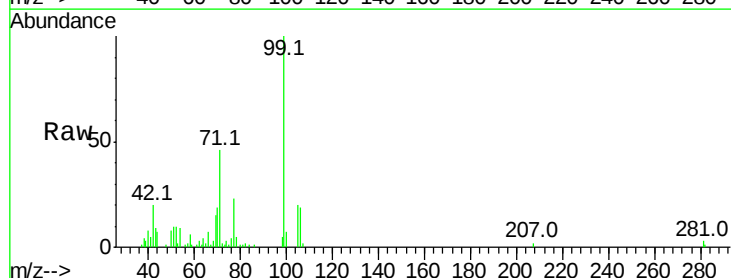
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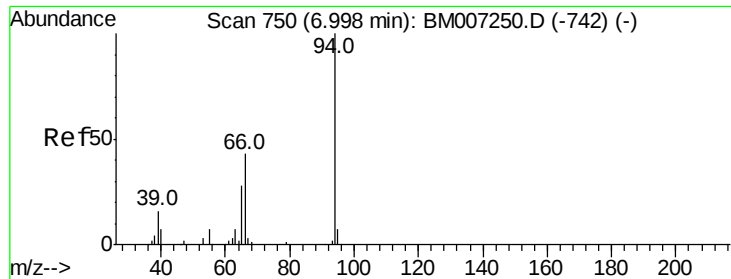
Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:	77	Resp:	19211
Ion	Ratio	Lower	Upper
77	100		
105	88.2	76.9	115.3
106	84.1	71.8	107.8





#6

Phenol

Concen: 1.88 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

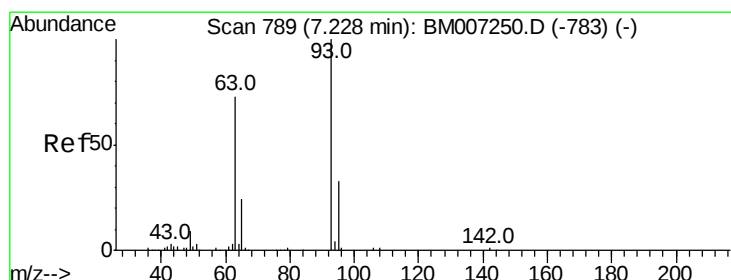
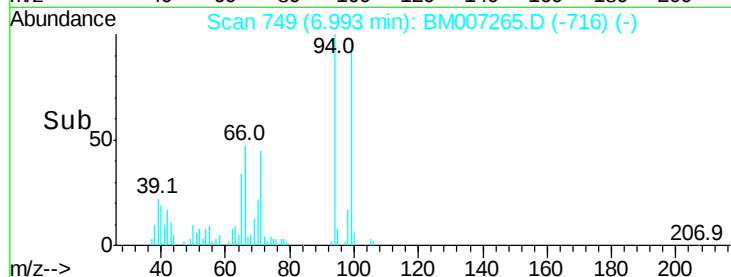
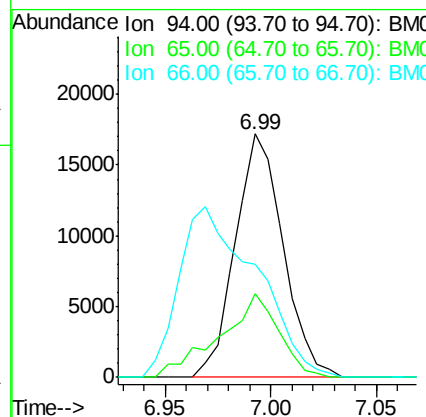
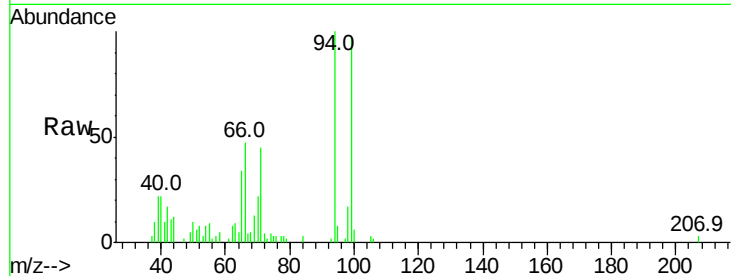
ClientSampleId :

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Tot Ion:	94	Resp:	27001
Ion	Ratio	Lower	Upper
94	100		
65	34.2	23.9	35.9
66	46.5	33.5	50.3

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#8

Bis(2-Chloroethyl)ether

Concen: 2.01 ng/ul

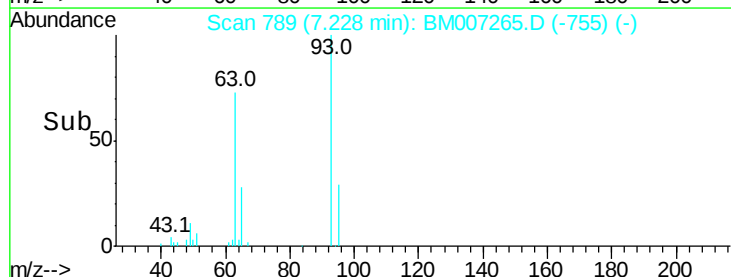
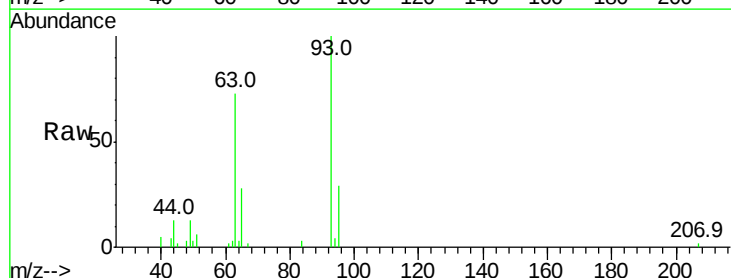
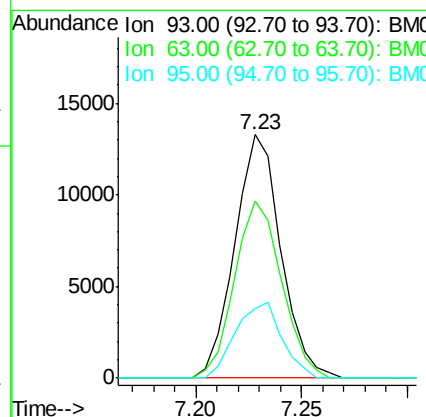
RT: 7.23 min Scan# 789

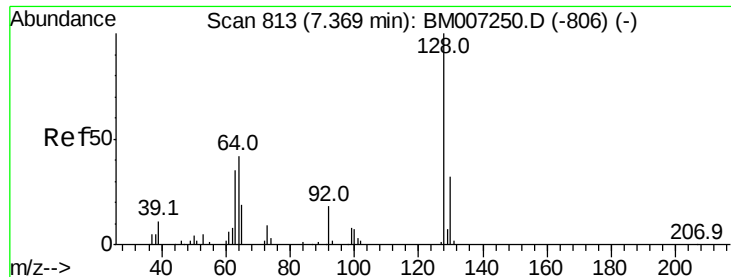
Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:	93	Resp:	20145
Ion	Ratio	Lower	Upper
93	100		
63	72.7	57.3	85.9
95	28.6	25.1	37.7





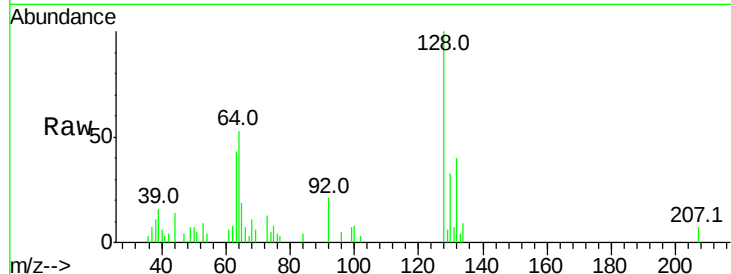
#10
2-Chlorophenol
Concen: 1.84 ng/ul
RT: 7.37 min Scan# 813
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

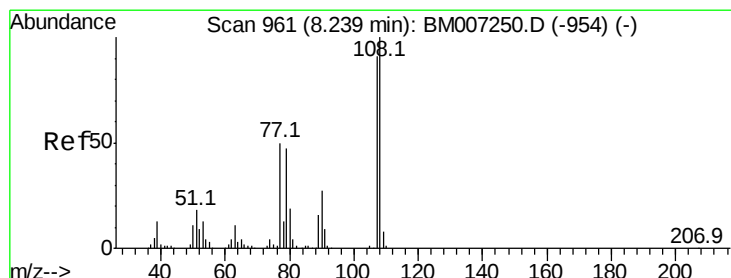
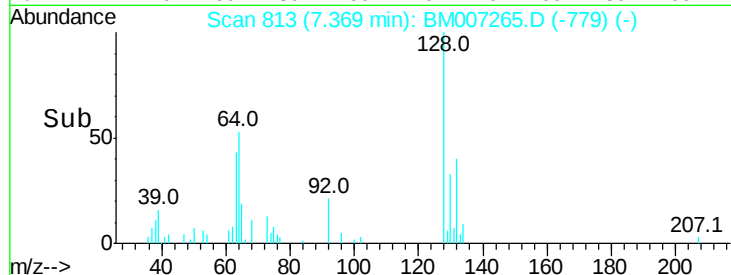
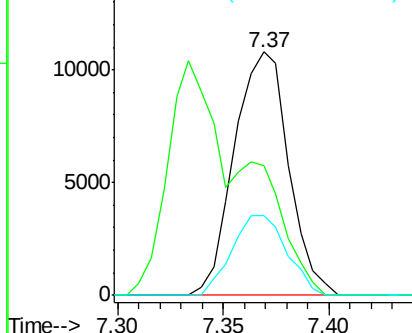
Tot Ion	Ratio	Lower	Upper
128	100		
64	53.3	37.5	56.3
130	32.8	25.0	37.4

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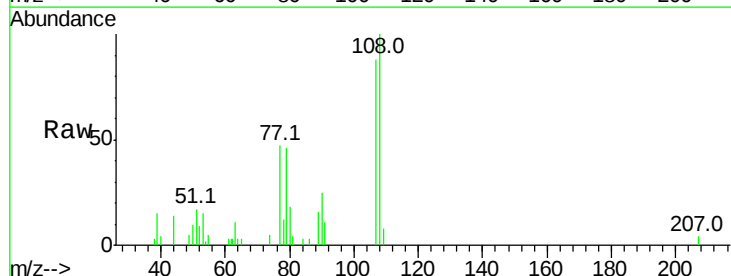


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 130.00 (129.70 to 130.70): E

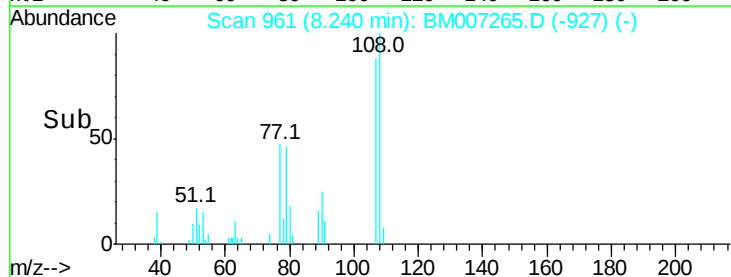
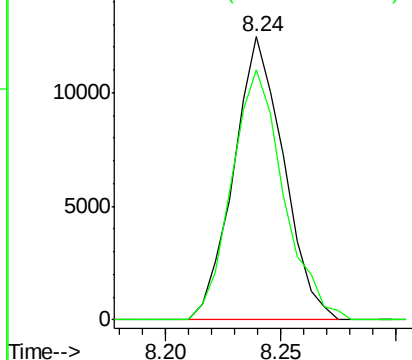


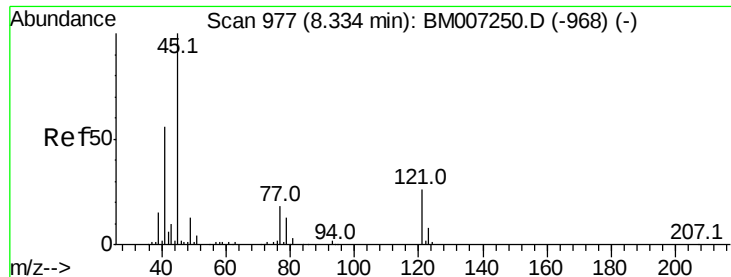
#11
2-Methylphenol
Concen: 1.67 ng/ul
RT: 8.24 min Scan# 961
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
108	100		
107	88.1	71.8	107.6



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





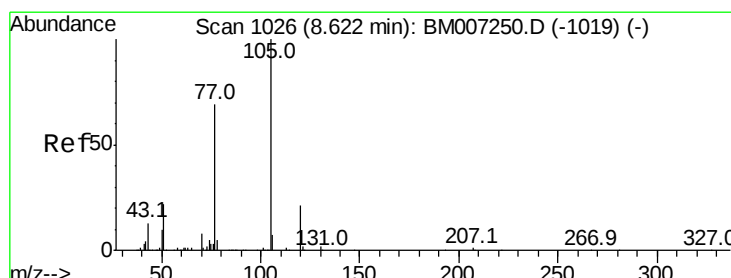
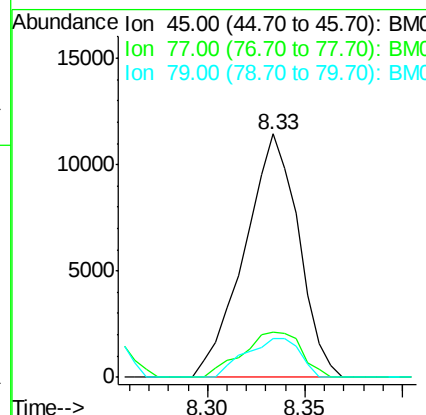
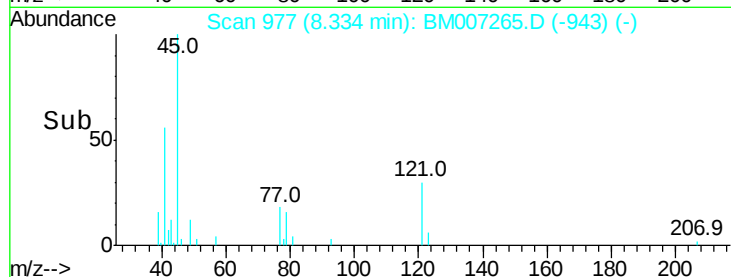
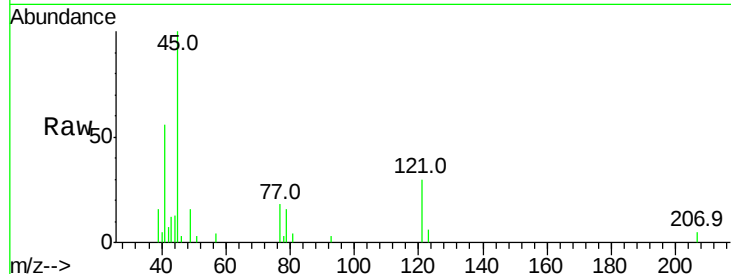
#12
 2,2'-oxvbis(1-Chloropropane)
 Concen: 1.94 ng/ul
 RT: 8.33 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: BM007265.D
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Tot Ion	Ratio	Lower	Upper
45	100		
77	18.4	14.1	21.1
79	15.9	10.4	15.6

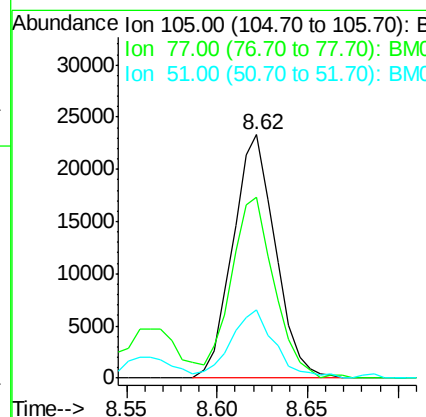
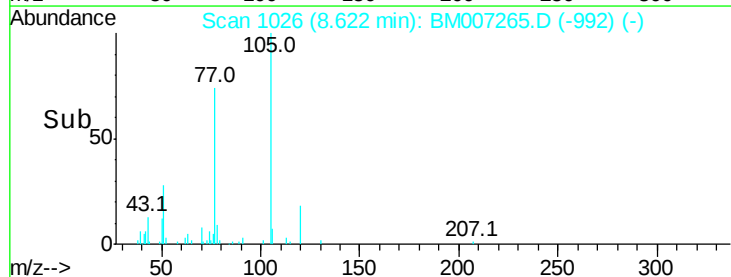
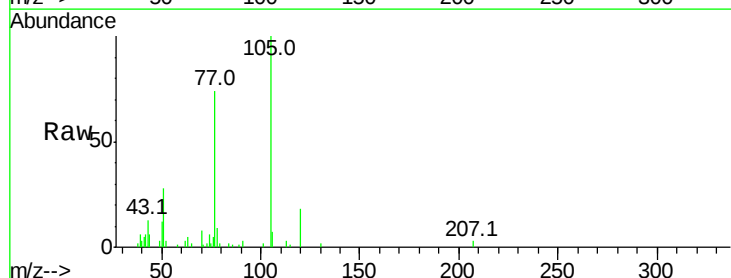
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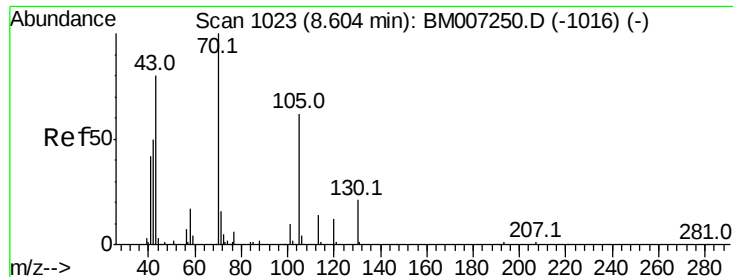
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#14
 Acetophenone
 Concen: 2.05 ng/ul
 RT: 8.62 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
105	100		
77	74.4	65.9	98.9
51	27.9	22.2	33.2





#15

N-Nitroso-di-n-propylamine

Concen: 1.84 ng/ul

RT: 8.60 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

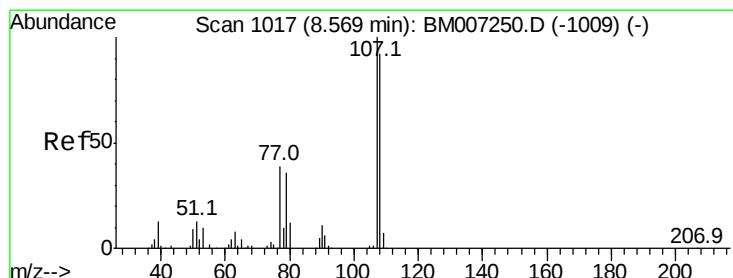
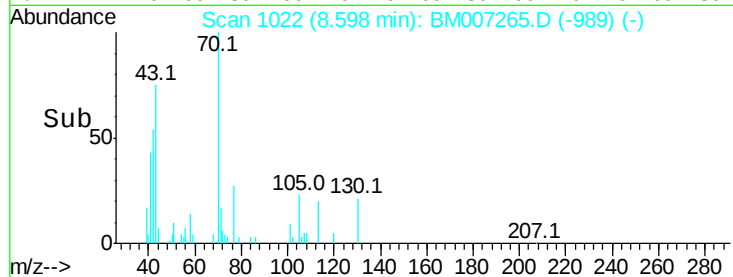
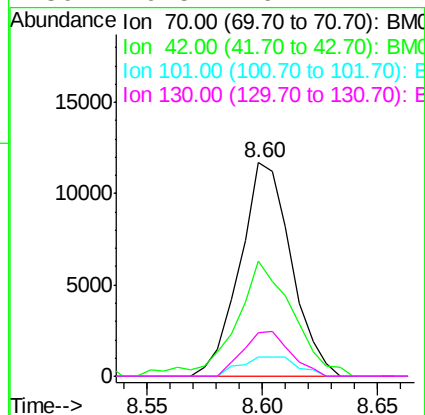
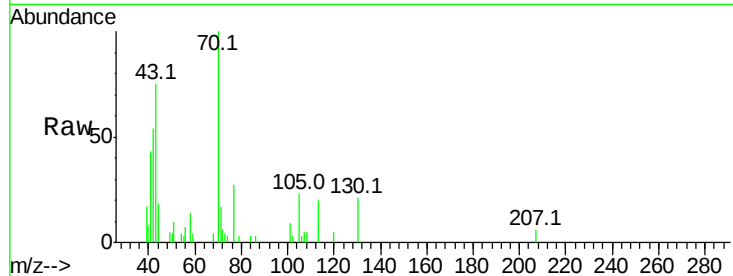
ClientSampleId :

MDL-03-S-ML

Tot Ion:	70	Resp:	18108
Ion Ratio	Lower	Upper	
70	100		
42	54.2	43.4	65.2
101	8.9	7.8	11.6
130	20.5	16.2	24.4

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#16

4-Methylphenol

Concen: 1.78 ng/ul

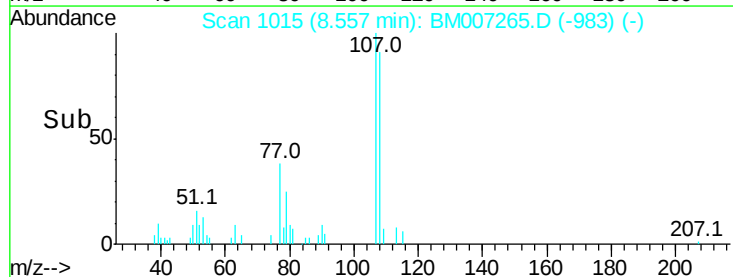
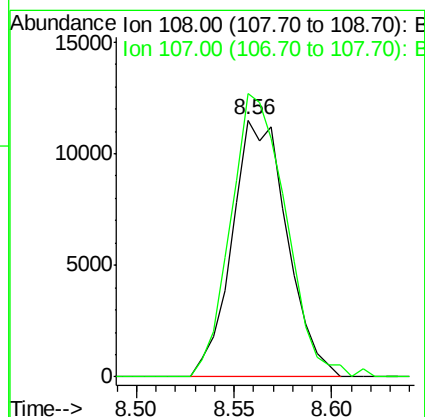
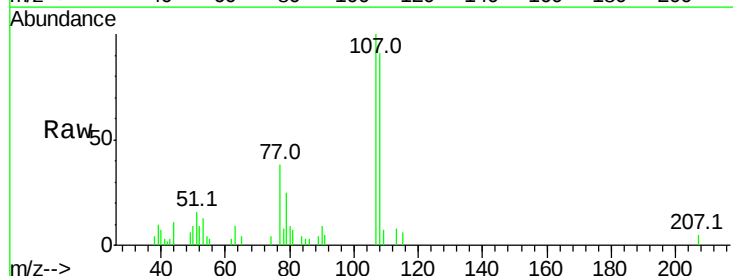
RT: 8.56 min Scan# 1015

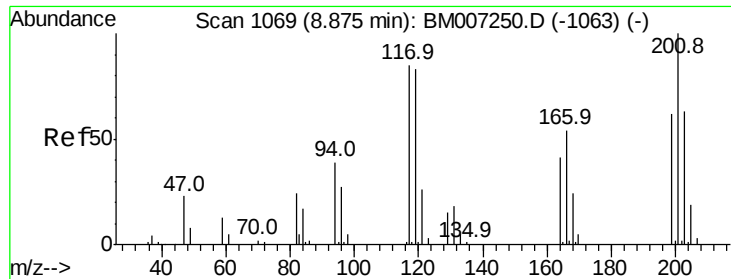
Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:	108	Resp:	22485
Ion Ratio	Lower	Upper	
108	100		
107	110.3	87.8	131.8





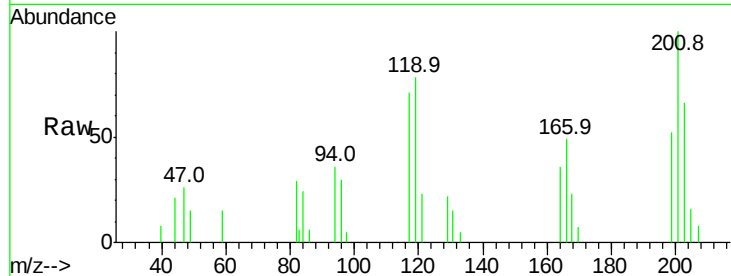
#17
Hexachloroethane
Concen: 1.89 ng/ul
RT: 8.87 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

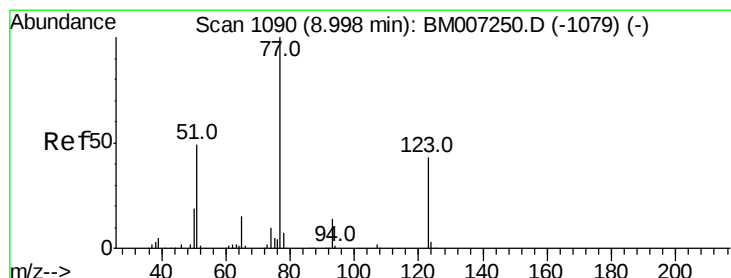
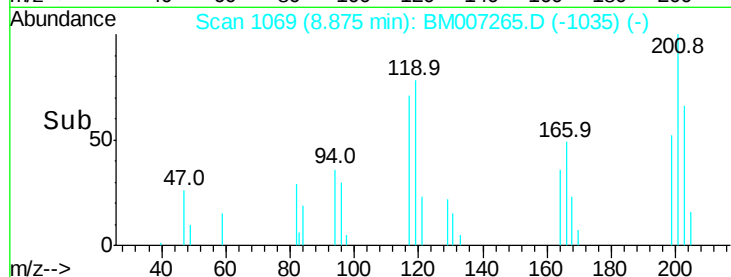
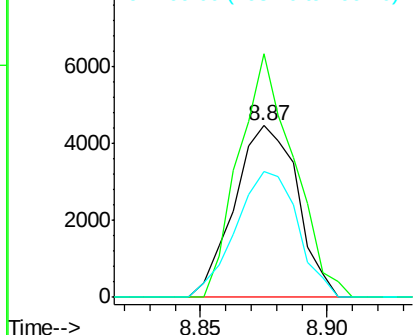
Tot Ion	Ratio	Lower	Upper
117	100		
201	141.7	90.3	135.5#
199	73.2	58.5	87.7

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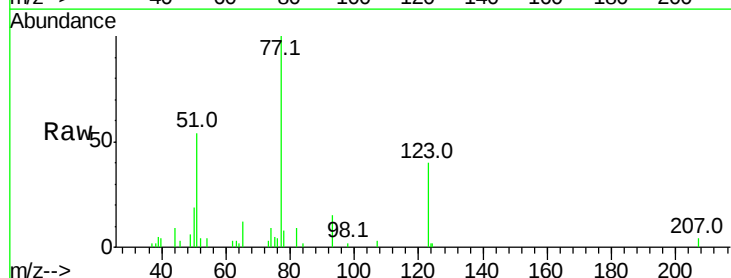


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

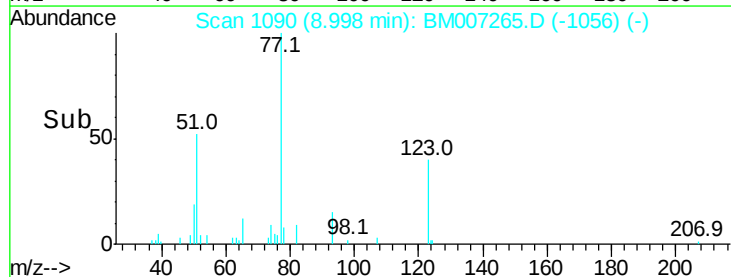
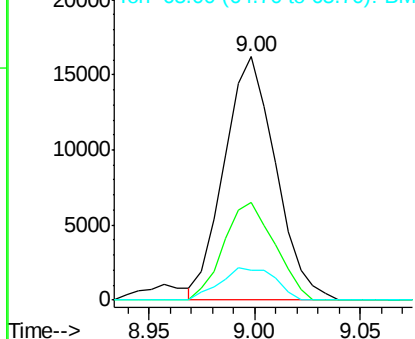


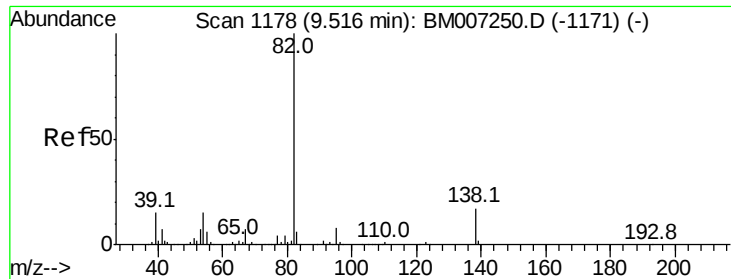
#20
Nitrobenzene
Concen: 2.02 ng/ul
RT: 9.00 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.3	34.2	51.4
65	12.3	11.0	16.6



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0





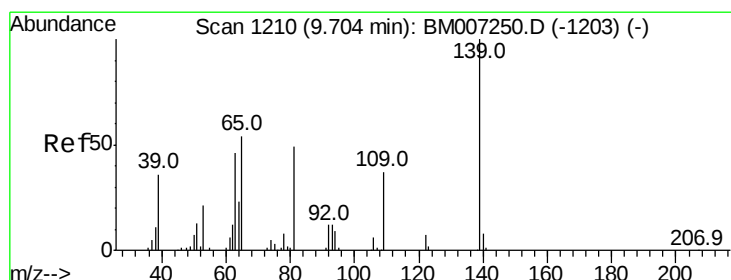
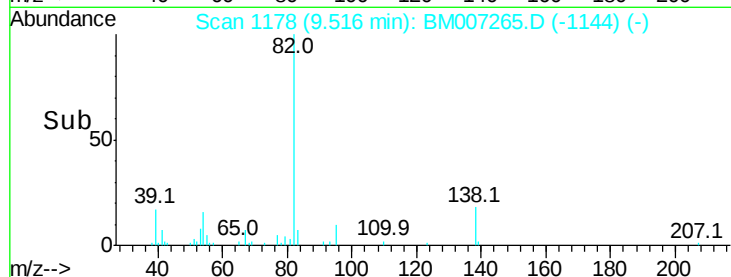
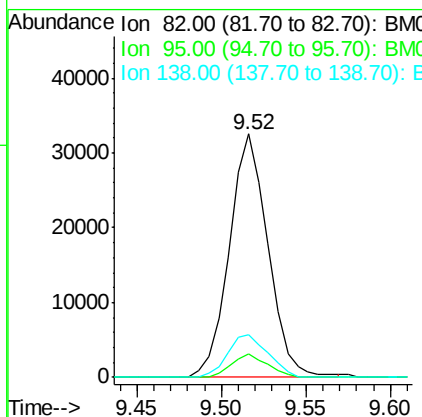
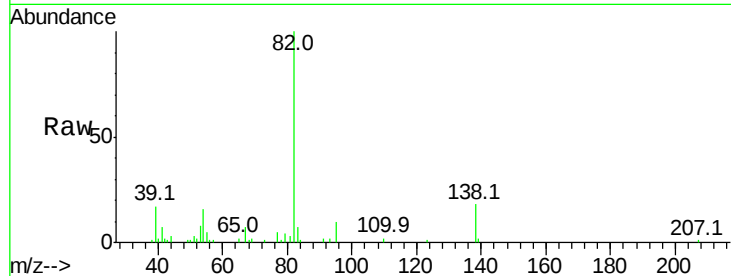
#21
Isophorone
Concen: 1.87 ng/ul
RT: 9.52 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
82	100	51747		
95	9.5		6.9	10.3
138	17.6		13.8	20.8

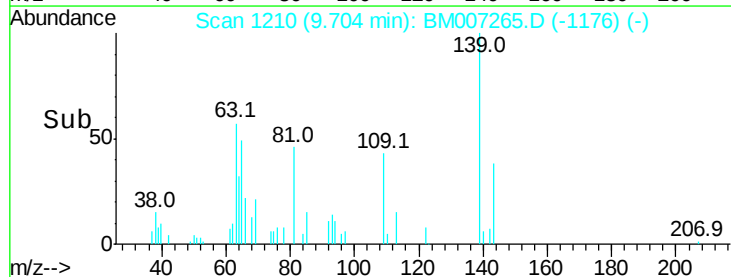
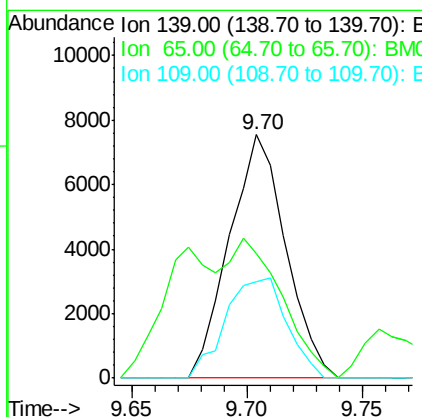
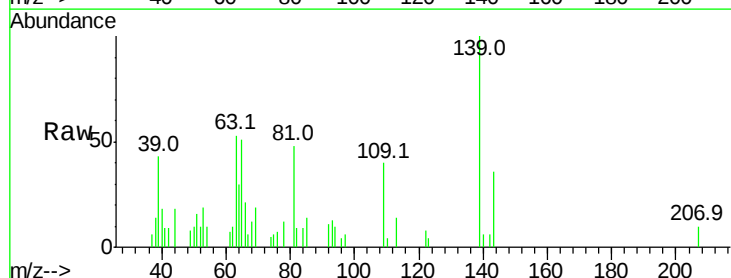
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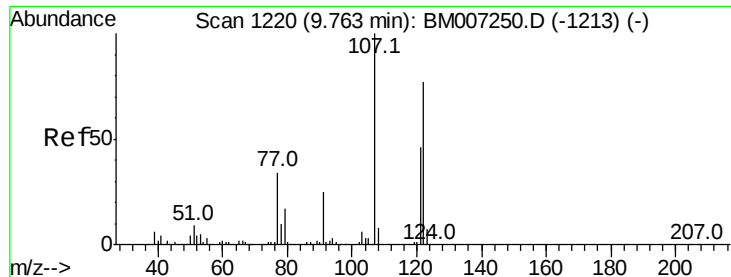
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#23
2-Nitrophenol
Concen: 1.91 ng/ul
RT: 9.70 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	12810		
65	51.0		44.2	66.4
109	39.6		28.2	42.4





#24

2,4-Dimethylphenol

Concen: 1.90 ng/ul

RT: 9.76 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

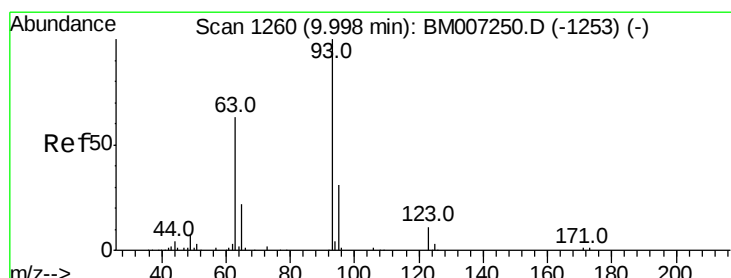
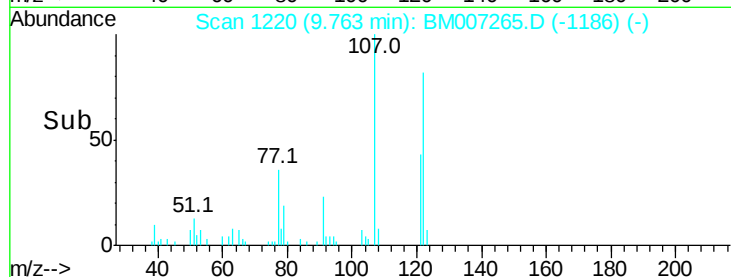
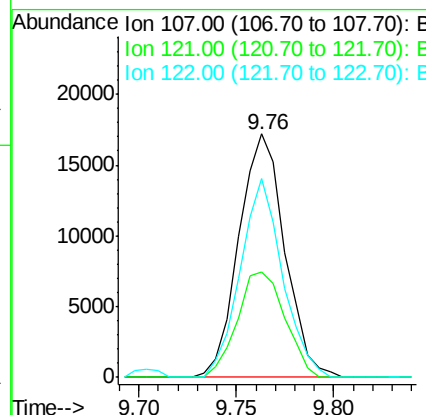
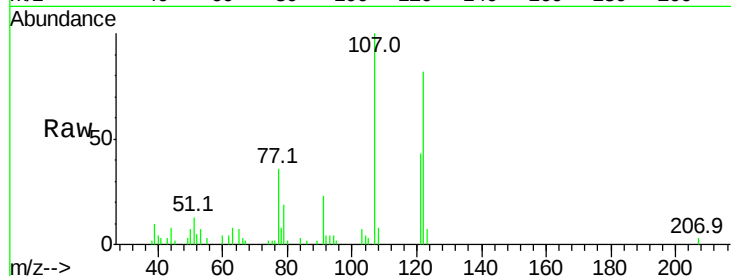
ClientSampleId :

MDL-03-S-ML

Tot Ion:	107	Resp:	28038
Ion Ratio	Lower	Upper	
107	100		
121	43.5	37.1	55.7
122	81.6	62.8	94.2

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#25

Bis(2-Chloroethoxy)methane

Concen: 1.96 ng/ul

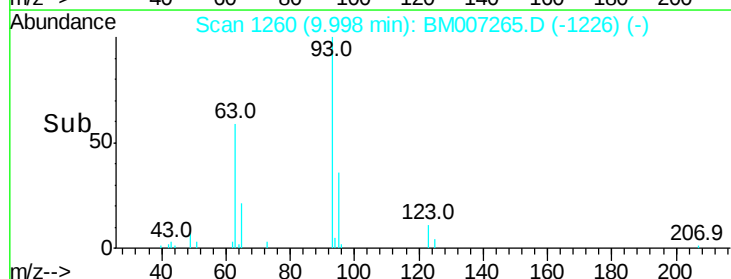
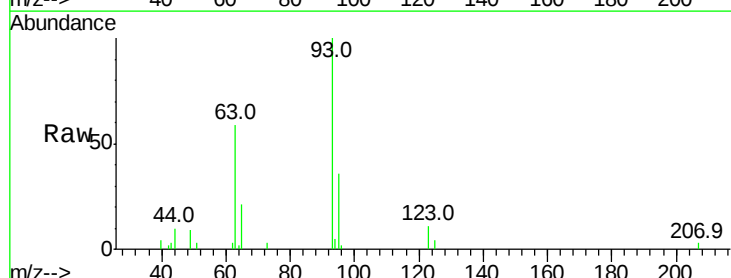
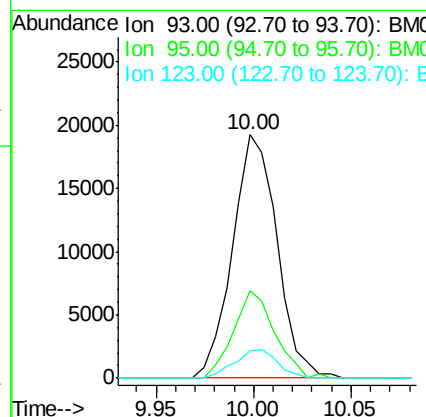
RT: 10.00 min Scan# 1260

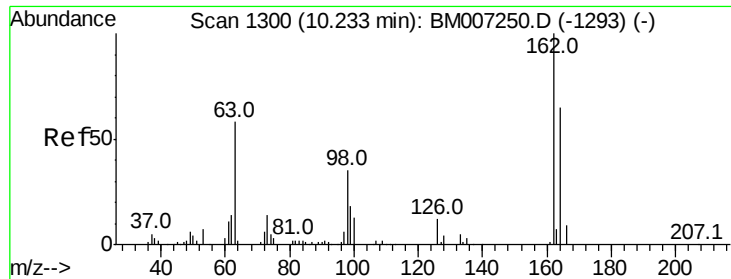
Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:	93	Resp:	30485
Ion Ratio	Lower	Upper	
93	100		
95	35.9	25.4	38.0
123	11.4	8.3	12.5





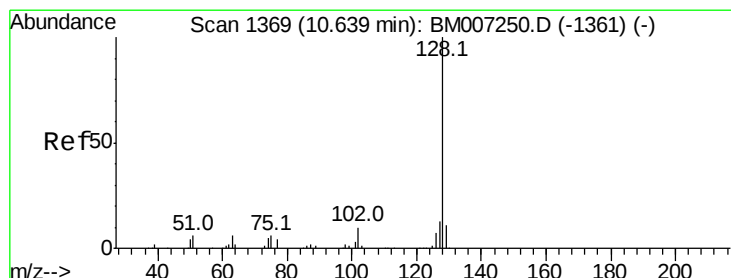
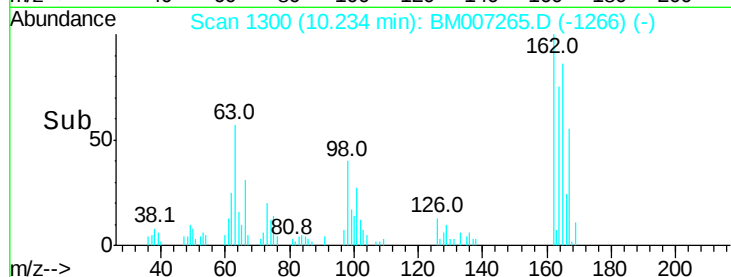
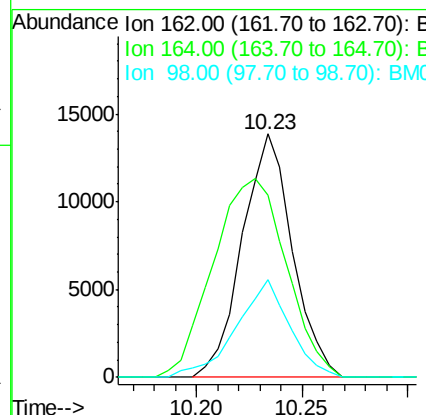
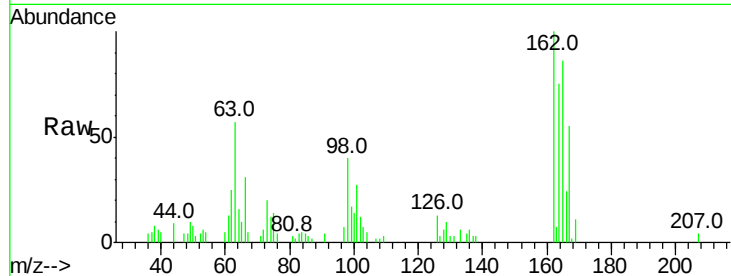
#27
 2,4-Dichlorophenol
 Concen: 1.88 ng/ul
 RT: 10.23 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
162	100		
164	74.6	51.6	77.4
98	40.0	28.4	42.6

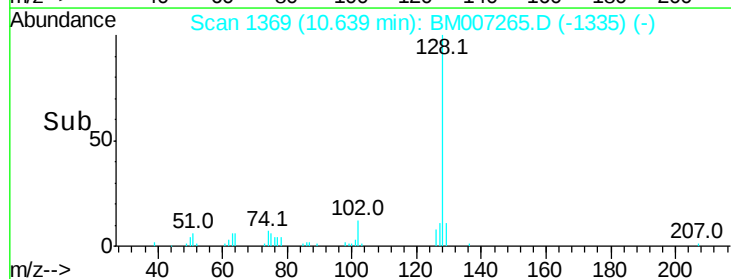
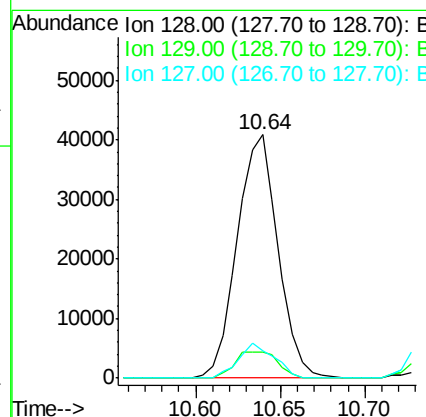
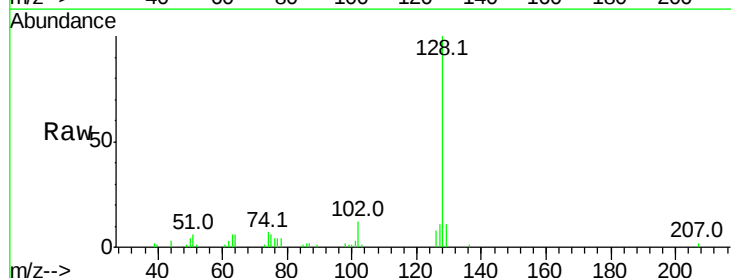
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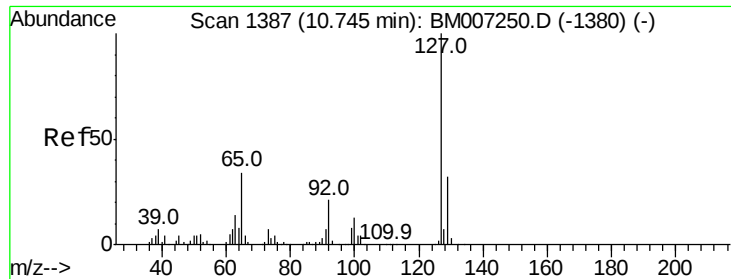
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#28
 Naphthalene
 Concen: 1.92 ng/ul
 RT: 10.64 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	11.0	10.6	15.8





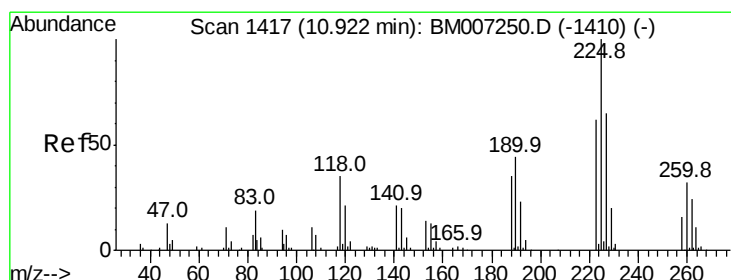
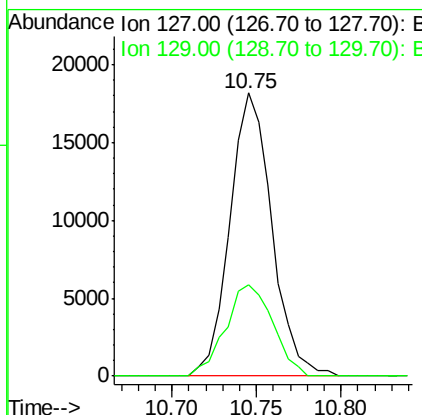
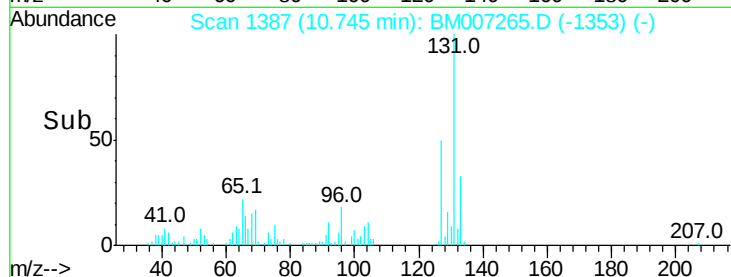
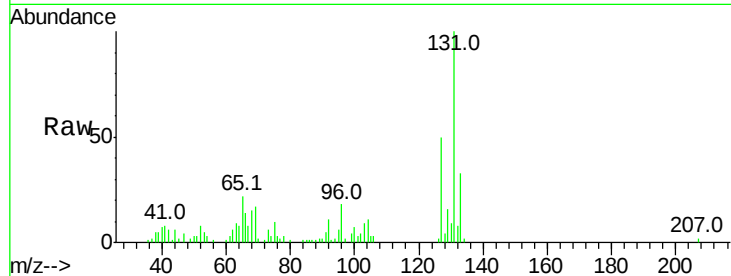
#30
4-Chloroaniline
Concen: 2.00 ng/ul
RT: 10.75 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.4	24.6	37.0

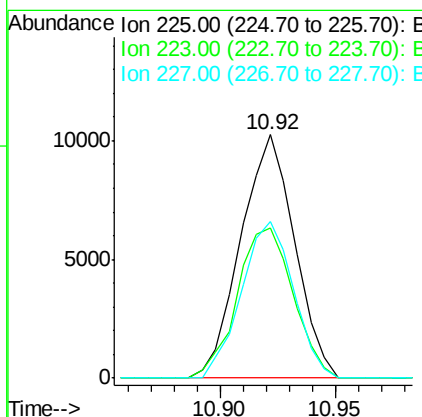
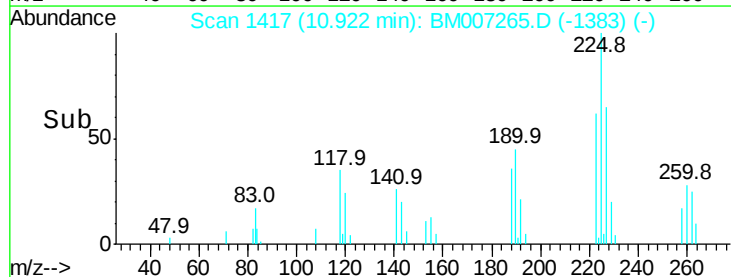
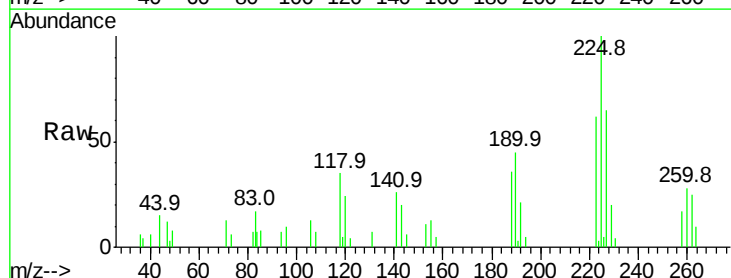
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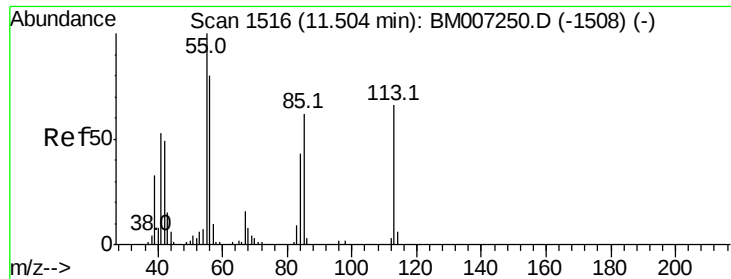
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#31
Hexachlorobutadiene
Concen: 2.02 ng/ul
RT: 10.92 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	51.2	76.8
227	61.4	52.5	78.7





#32

Caprolactam

Concen: 1.89 ng/ul m

RT: 11.54 min Scan# 1522

Delta R.T. 0.04 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

ClientSampleId :

MDL-03-S-ML

Tot Ion:113 Resp: 9279

Ion Ratio Lower Upper

113 100

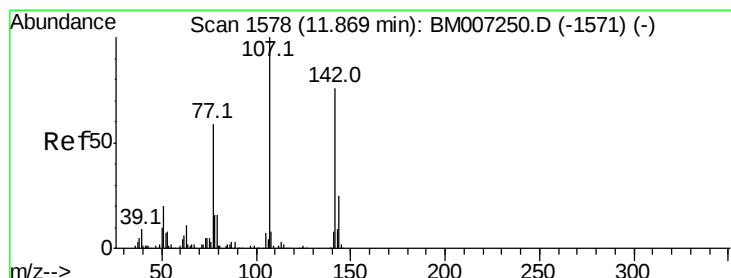
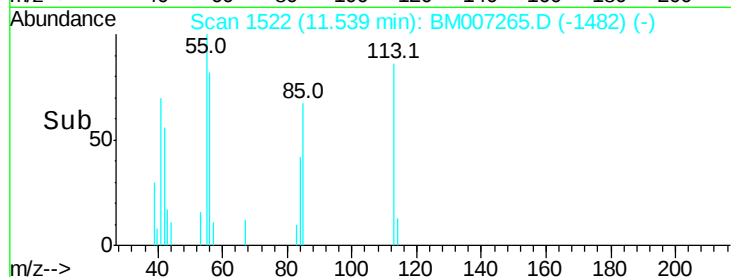
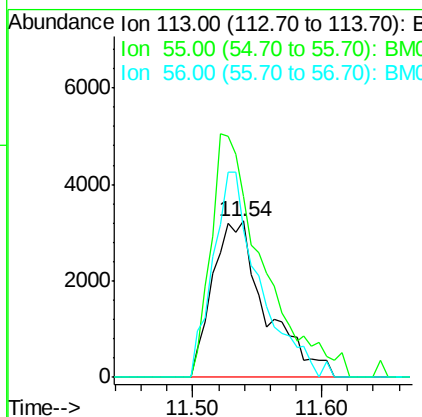
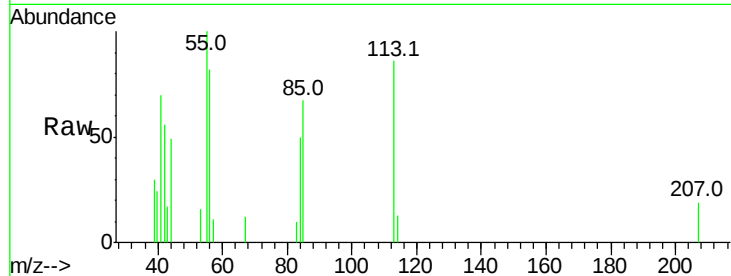
55 115.6 121.9 182.9#

56 94.9 97.4 146.0#

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#33

4-Chloro-3-methylphenol

Concen: 1.75 ng/ul

RT: 11.87 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

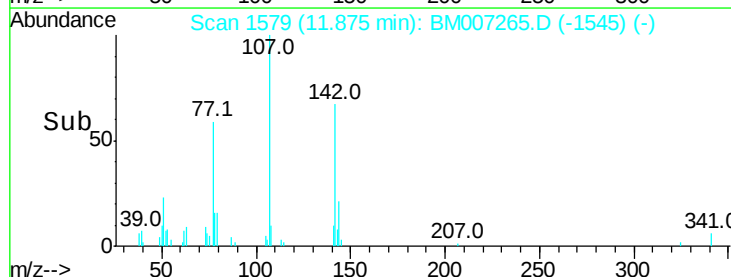
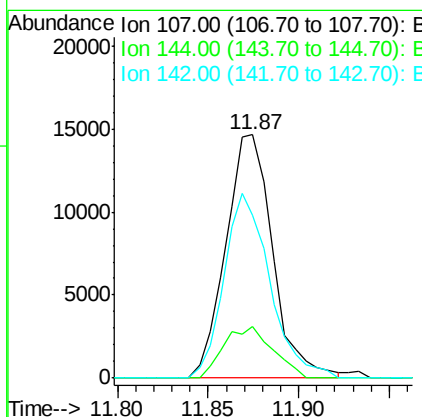
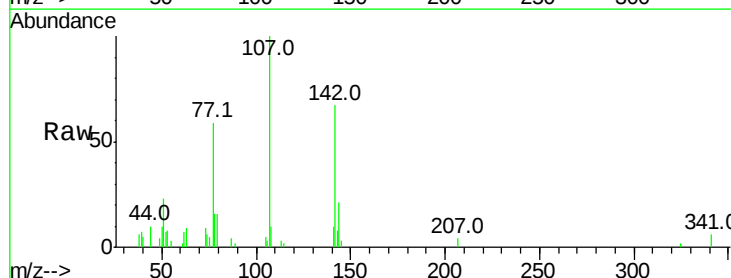
Tgt Ion:107 Resp: 26398

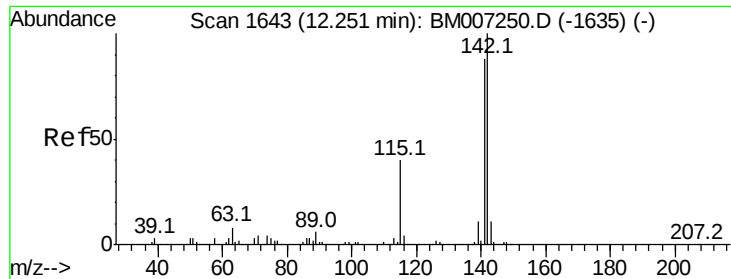
Ion Ratio Lower Upper

107 100

144 21.2 21.1 31.7

142 67.0 64.1 96.1





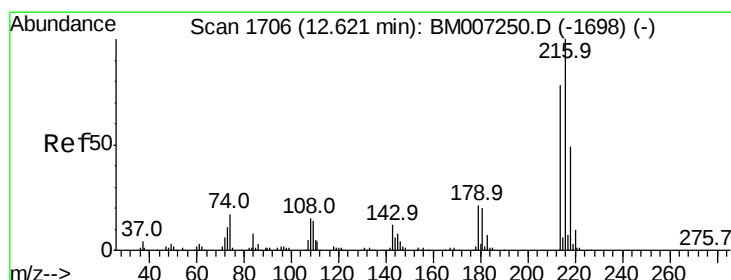
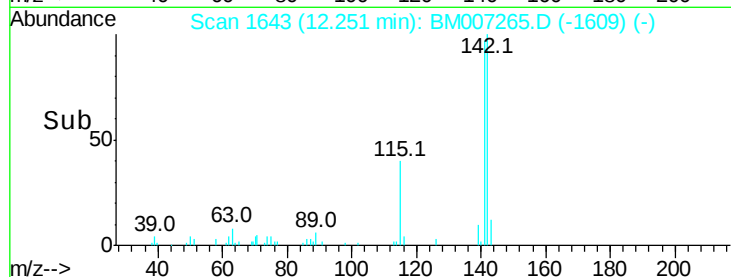
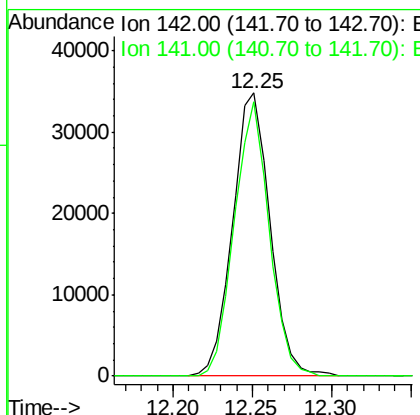
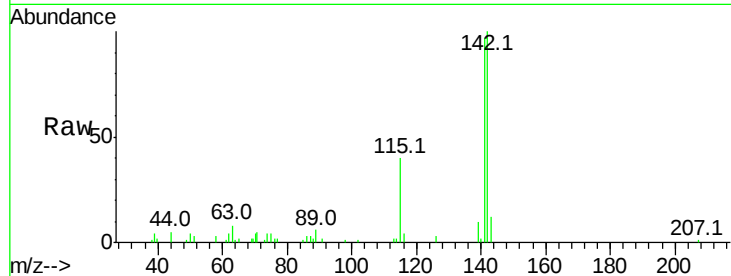
#34
 2-Methylnaphthalene
 Concen: 1.94 ng/ul
 RT: 12.25 min Scan# 1643
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion:142 Resp: 56890
 Ion Ratio Lower Upper
 142 100
 141 96.8 71.3 106.9

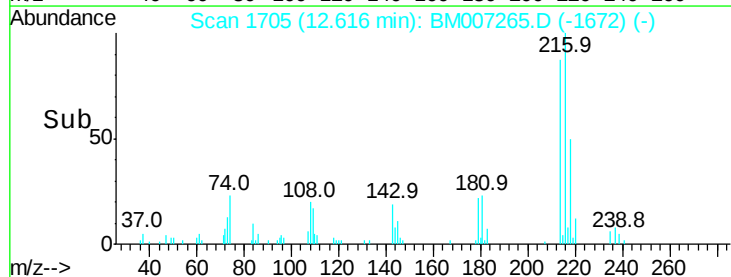
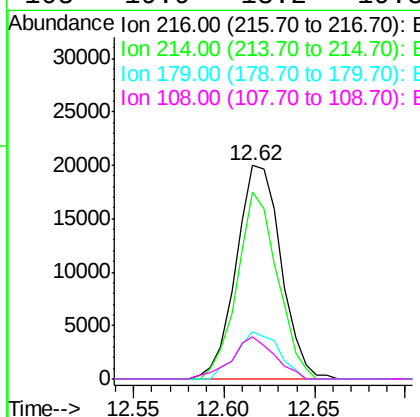
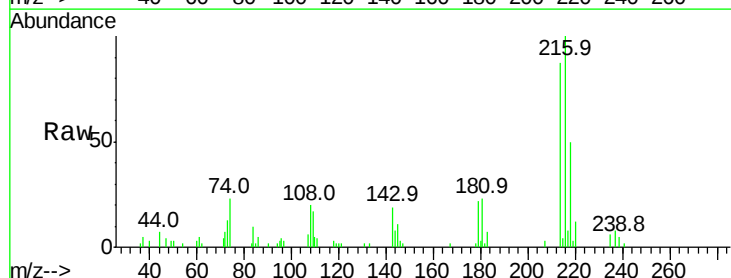
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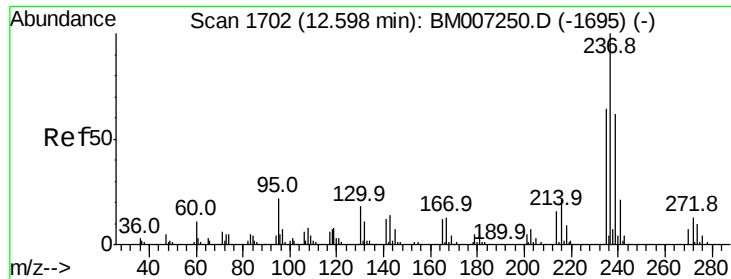
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.97 ng/ul
 RT: 12.62 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion:216 Resp: 34321
 Ion Ratio Lower Upper
 216 100
 214 87.3 64.8 97.2
 179 22.3 16.7 25.1
 108 19.9 13.2 19.8#





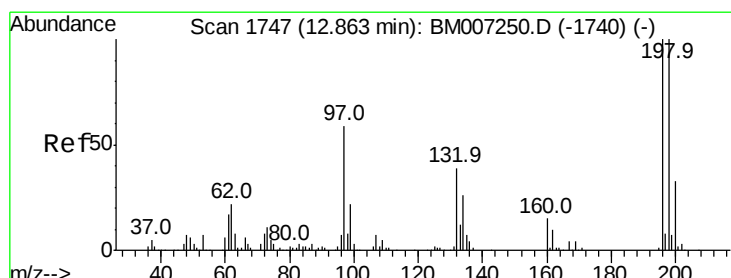
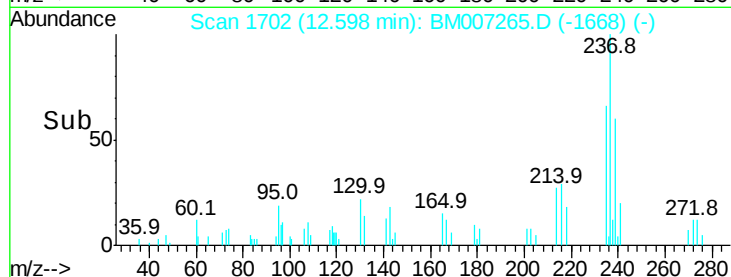
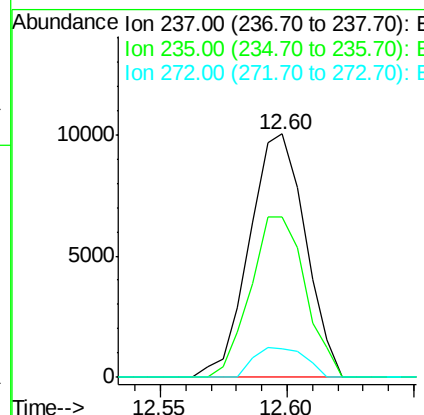
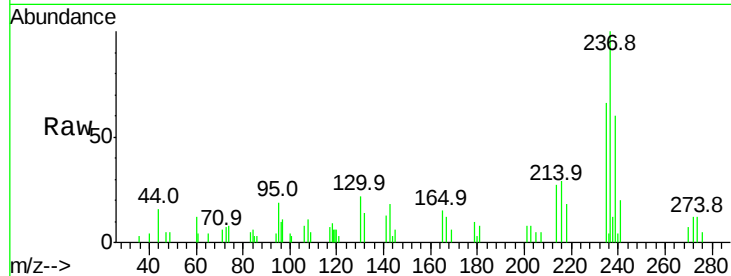
#37
Hexachlorocyclopentadiene
Concen: 1.46 ng/ul
RT: 12.60 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
237	100	15359		
235	65.9	49.6	74.4	
272	11.7	10.4	15.6	

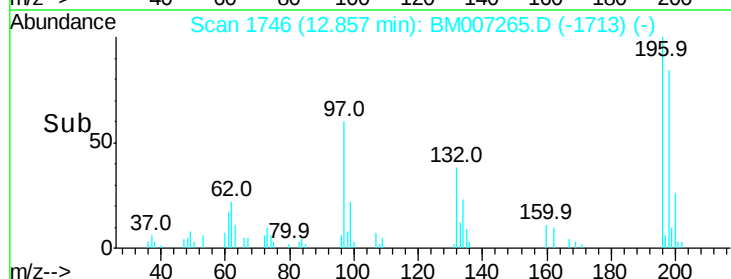
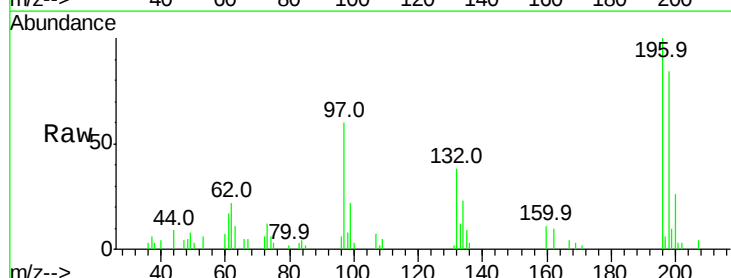
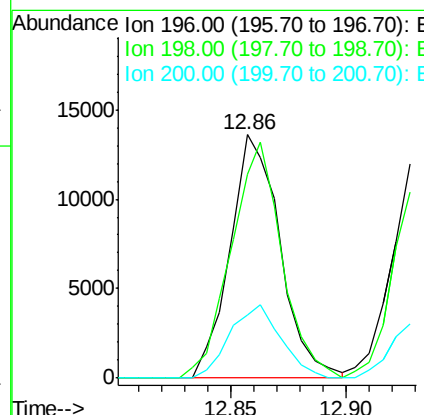
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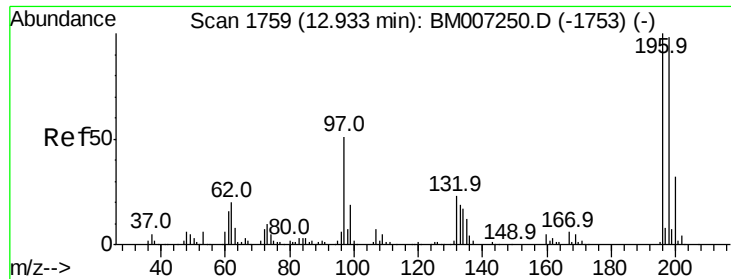
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#38
2,4,6-Trichlorophenol
Concen: 1.67 ng/ul
RT: 12.86 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	20598		
198	83.9	76.9	115.3	
200	29.0	25.1	37.7	





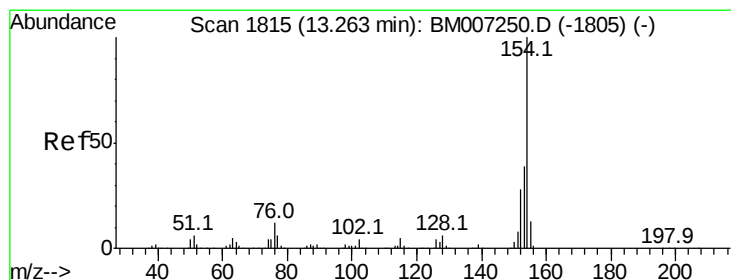
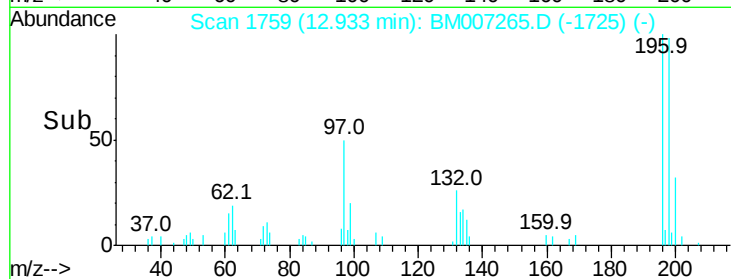
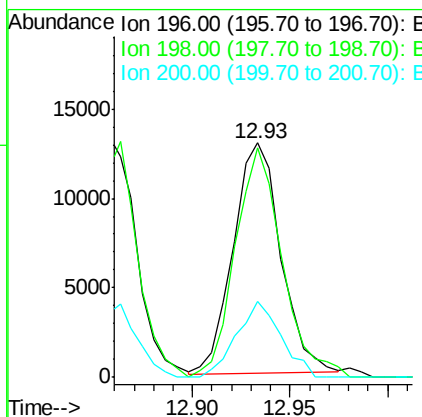
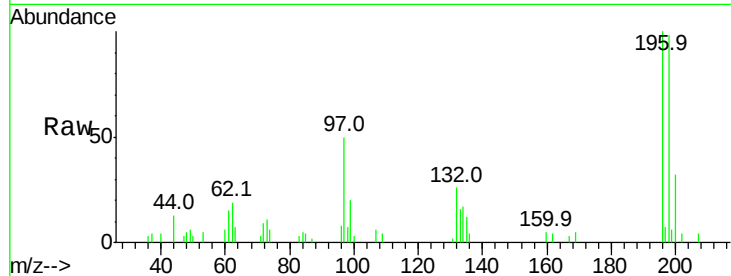
#39
 2,4,5-Trichlorophenol
 Concen: 1.68 ng/ul
 RT: 12.93 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion:	196	Resp:	21694
Ion Ratio	Lower	Upper	
196	100		
198	98.2	76.8	115.2
200	32.2	27.0	40.4

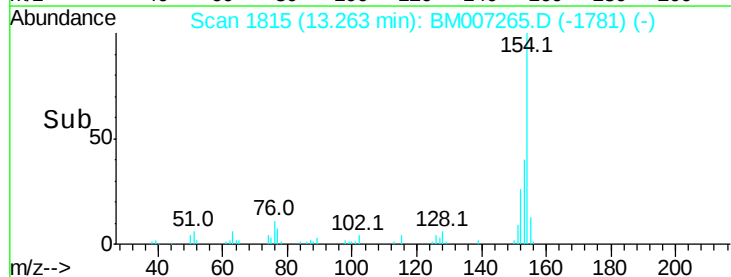
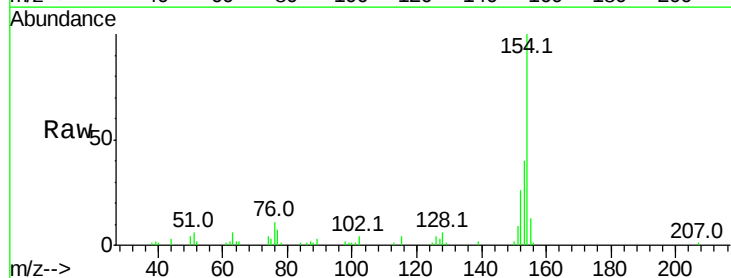
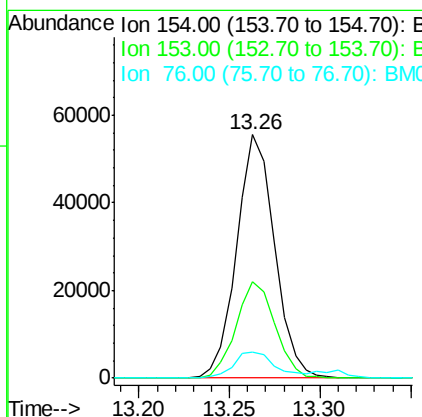
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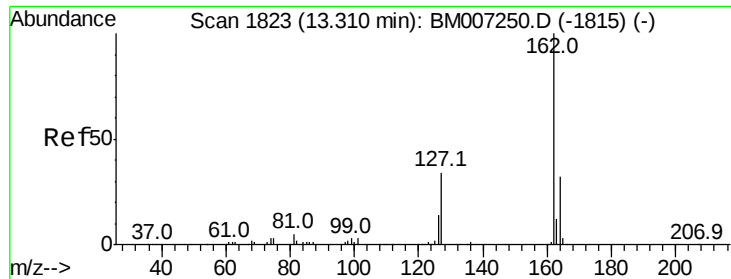
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#40
 1,1'-Biphenyl
 Concen: 1.99 ng/ul
 RT: 13.26 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion:	154	Resp:	80990
Ion Ratio	Lower	Upper	
154	100		
153	39.7	31.3	46.9
76	10.9	10.0	15.0





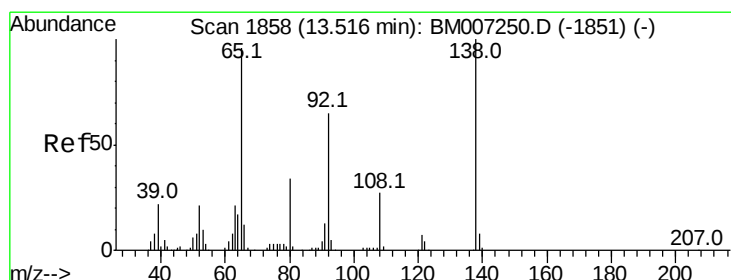
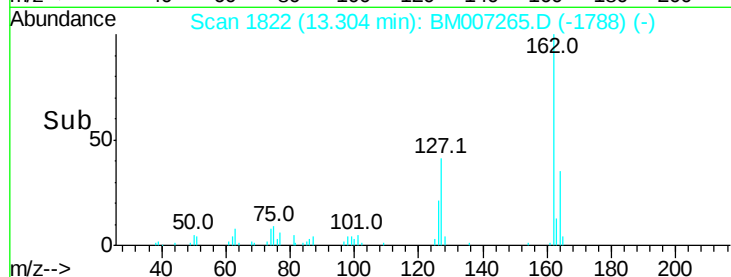
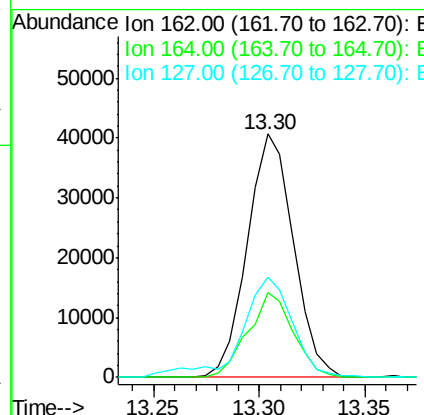
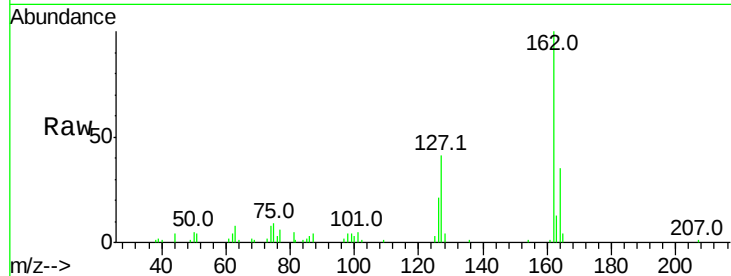
#41
 2-Chloronaphthalene
 Concen: 1.94 ng/ul
 RT: 13.30 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampled :
 MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
162	100		
164	34.6	26.9	40.3
127	40.9	31.2	46.8

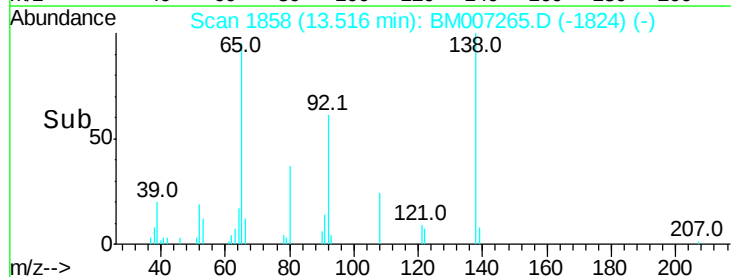
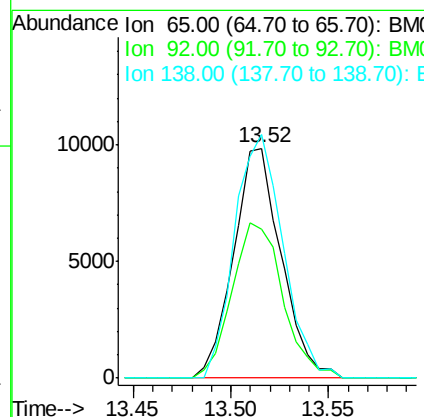
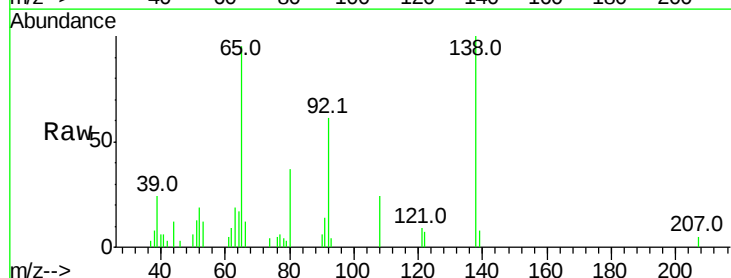
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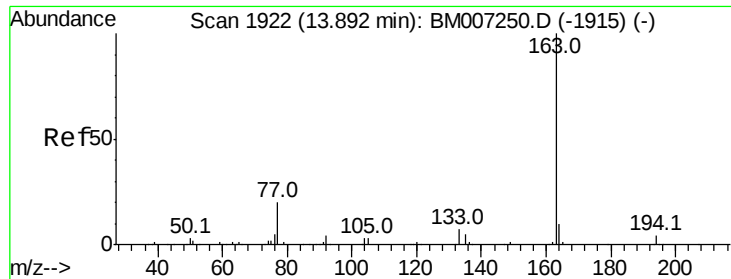
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#42
 2-Nitroaniline
 Concen: 1.61 ng/ul
 RT: 13.52 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.4	55.6	83.4
138	105.8	81.3	121.9





#44

Dimethylphthalate

Concen: 2.24 ng/ul

RT: 13.89 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

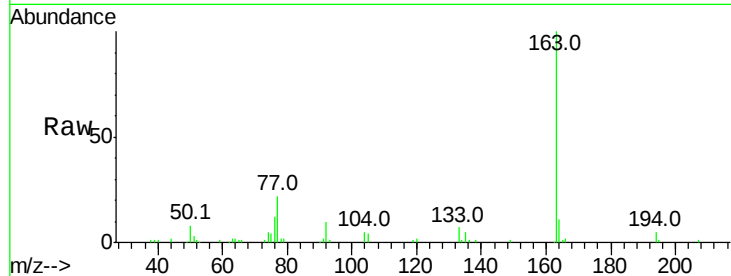
ClientSampled :

MDL-03-S-ML

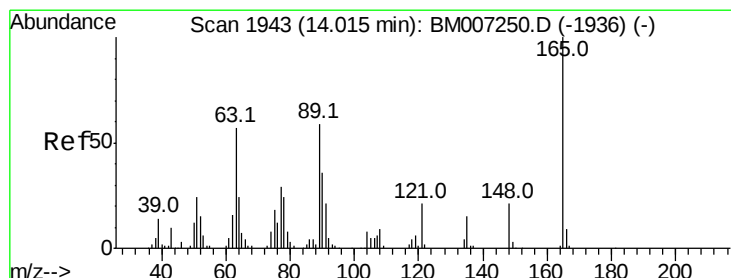
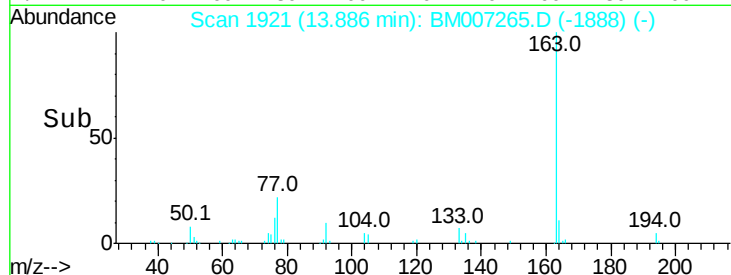
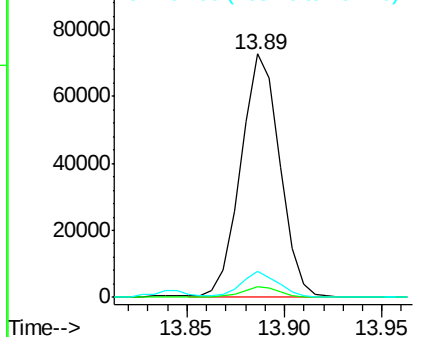
Tot Ion:	163	Resp:	100759
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	10.6	7.8	11.8

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 1.77 ng/ul

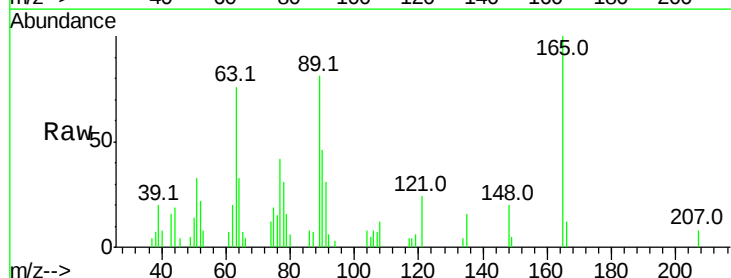
RT: 14.01 min Scan# 1942

Delta R.T. 0.00 min

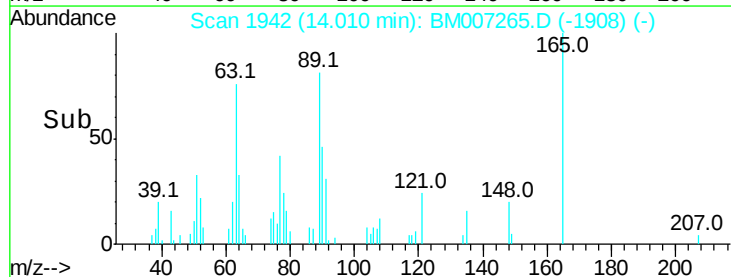
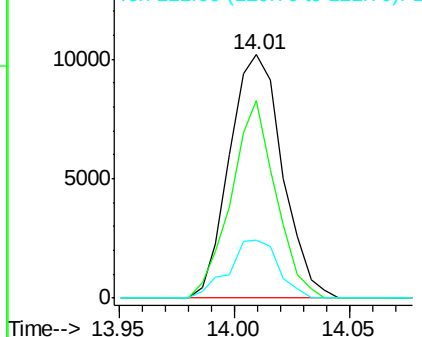
Lab File: BM007265.D

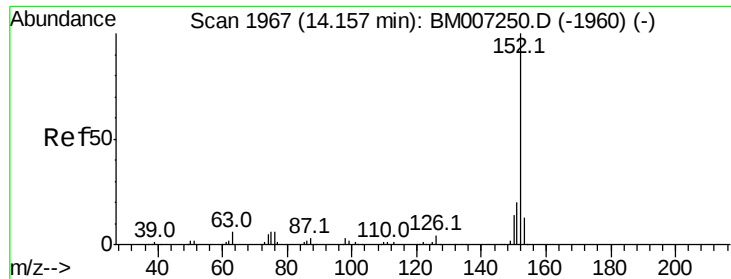
Acq: 23 Aug 2016 22:54

Tgt Ion:	165	Resp:	16265
Ion Ratio	Lower	Upper	
165	100		
89	81.1	46.6	69.8#
121	24.1	16.0	24.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM0
Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 2.02 ng/ul

RT: 14.15 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

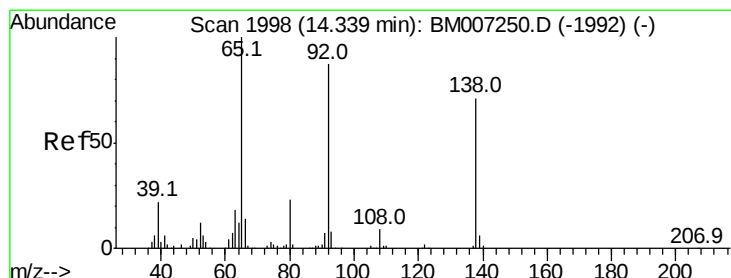
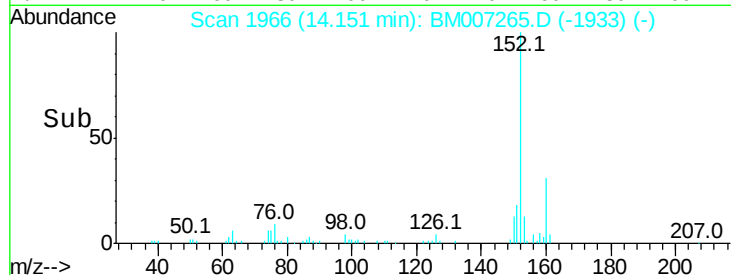
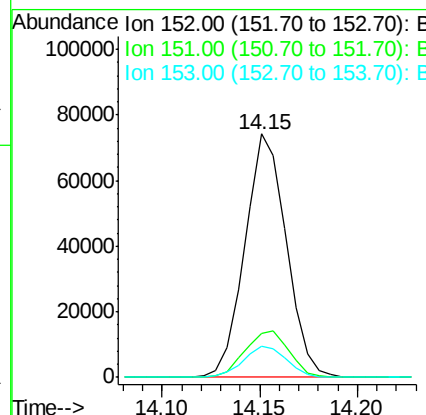
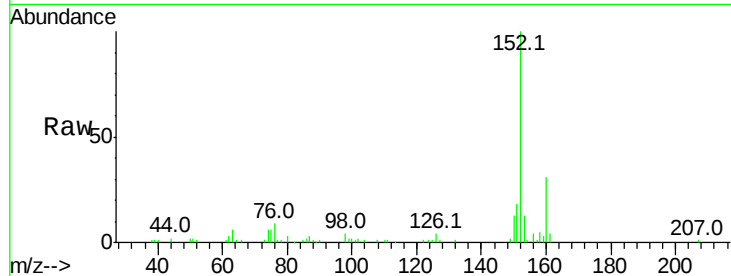
ClientSampled :

MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.0	24.0
153	12.9	11.0	16.6

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#48

3-Nitroaniline

Concen: 1.80 ng/ul

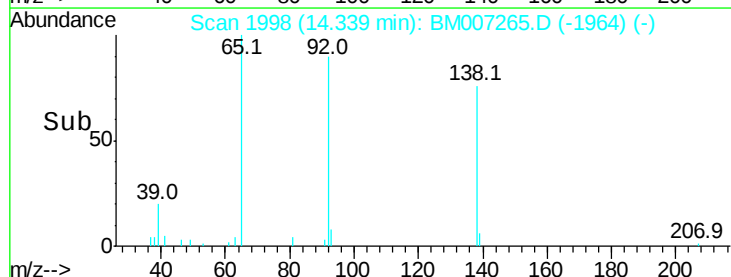
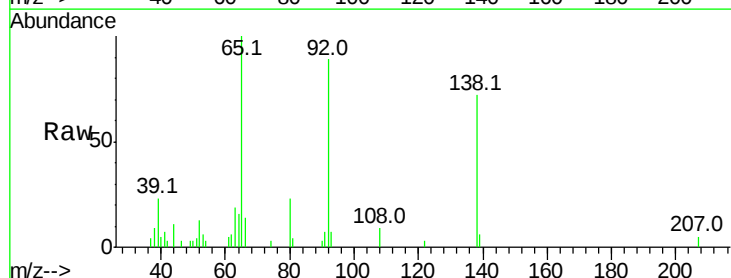
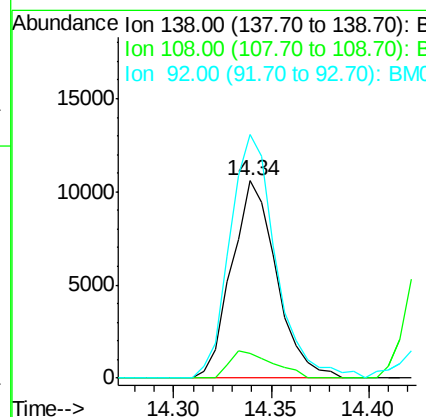
RT: 14.34 min Scan# 1998

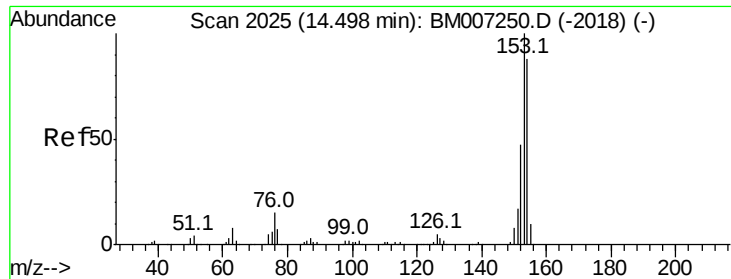
Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.4	14.0
92	123.5	96.6	145.0





#49

Acenaphthene

Concen: 2.06 ng/ul

RT: 14.50 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

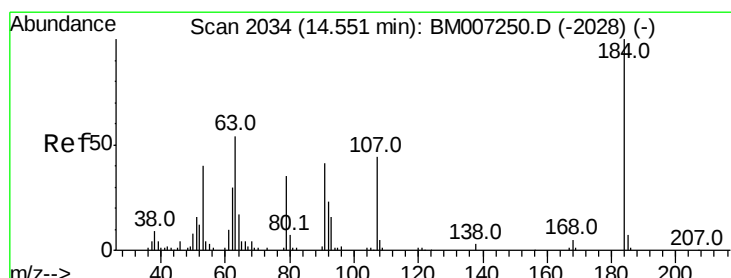
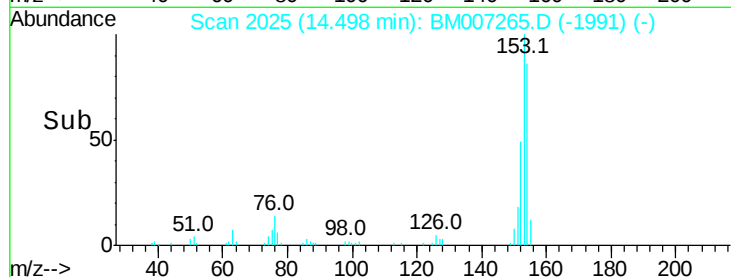
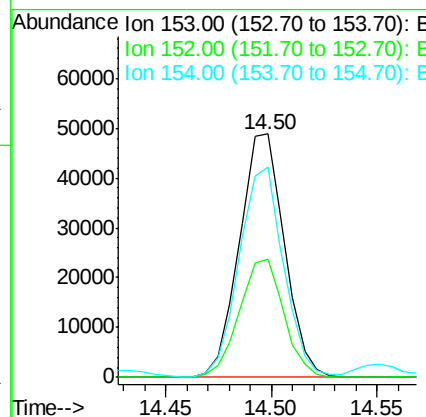
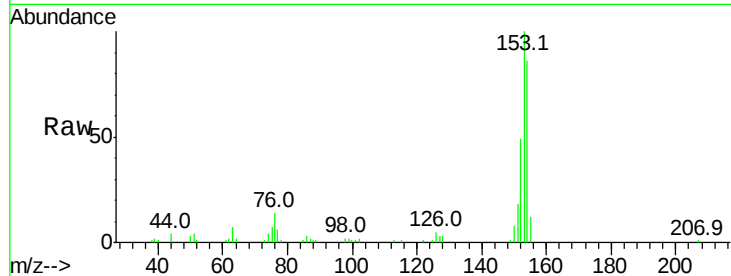
ClientSampleId :

MDL-03-S-ML

Tot Ion:153	Resp:	72272
Ion Ratio	Lower	Upper
153 100		
152 48.5	37.8	56.6
154 86.3	71.4	107.0

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#50

2,4-Dinitrophenol

Concen: 1.11 ng/ul

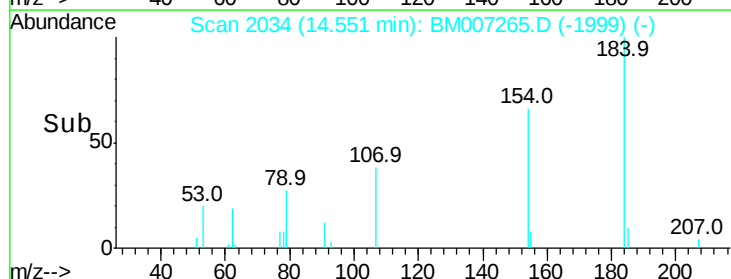
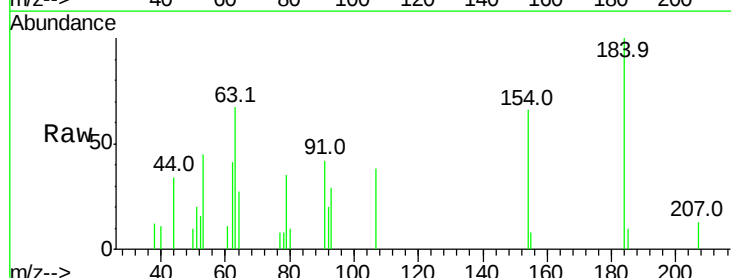
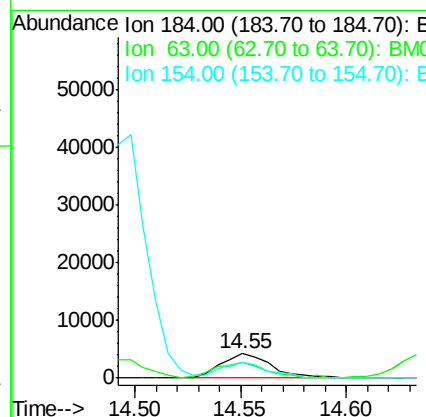
RT: 14.55 min Scan# 2034

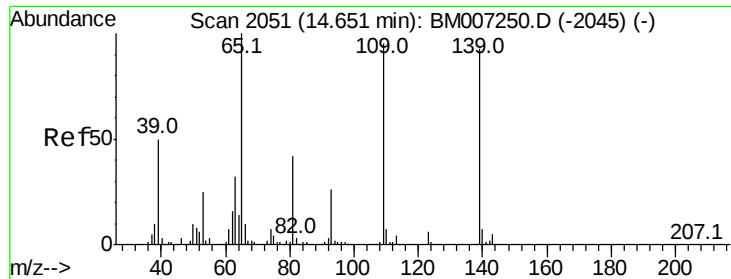
Delta R.T. 0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:184	Resp:	6960
Ion Ratio	Lower	Upper
184 100		
63 66.7	43.4	65.0#
154 65.9	48.2	72.4





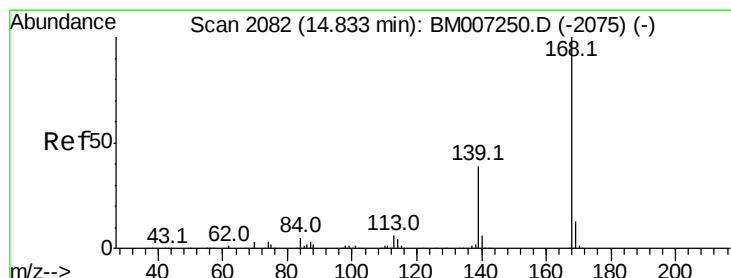
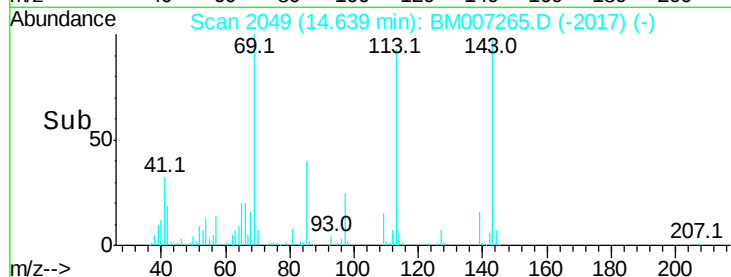
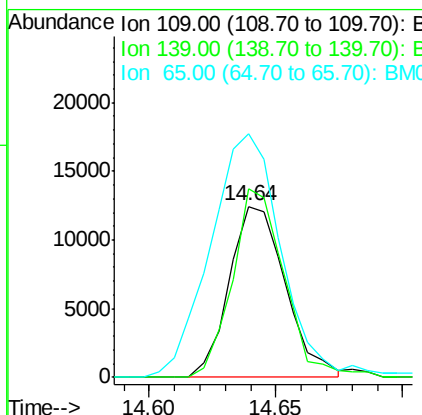
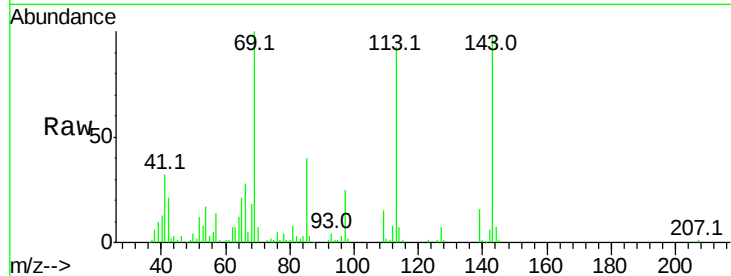
#52
4-Nitrophenol
Concen: 2.12 ng/ul
RT: 14.64 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
109	100	19228		
139	110.7	88.7	133.1	
65	142.4	96.4	144.6	

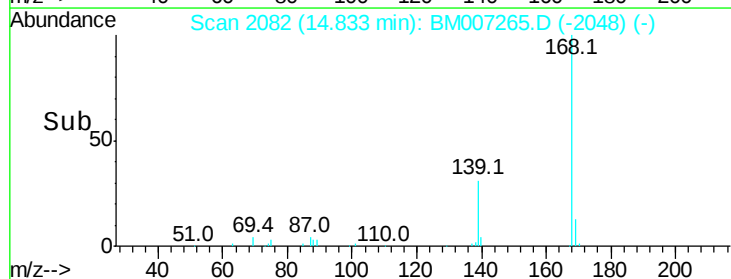
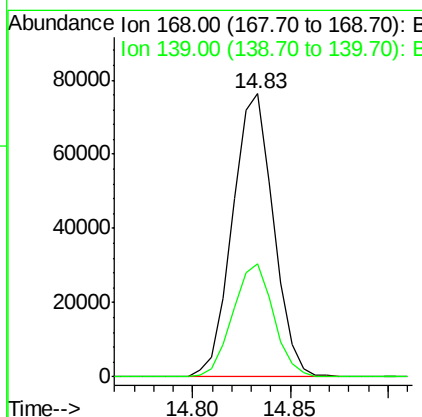
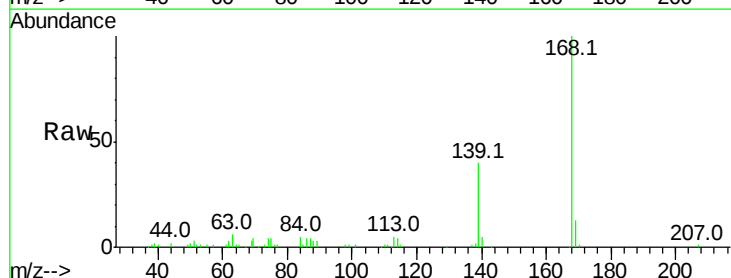
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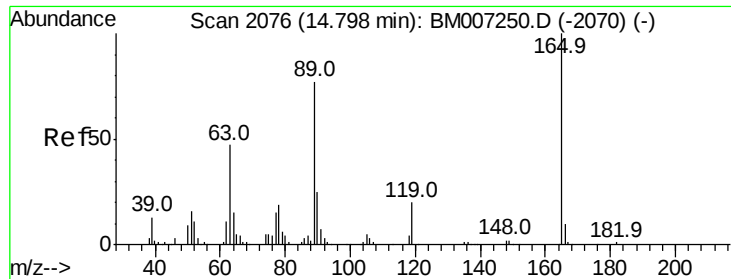
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#53
Dibenzofuran
Concen: 2.11 ng/ul
RT: 14.83 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	111003		
139	40.1	30.1	45.1	





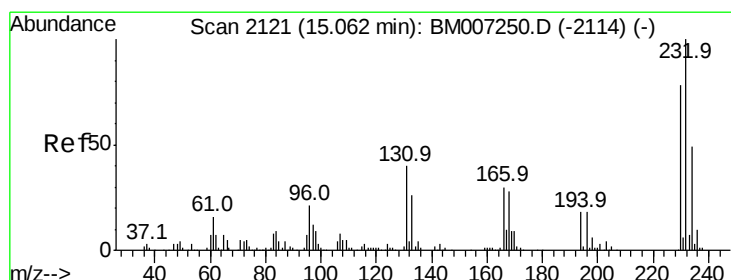
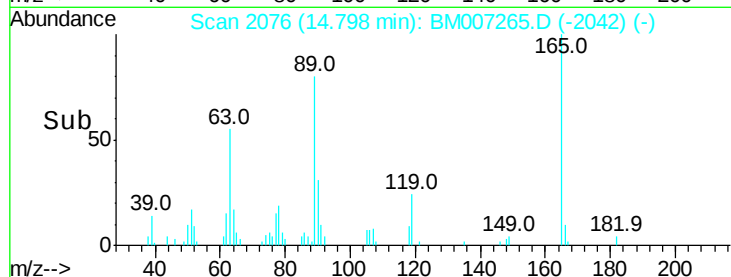
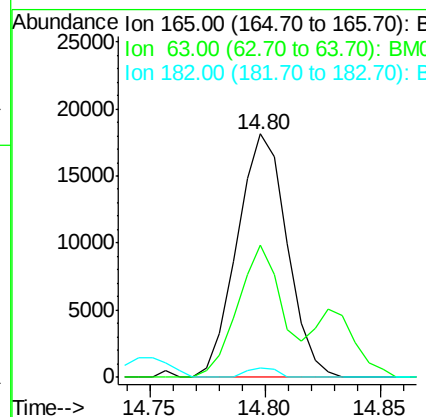
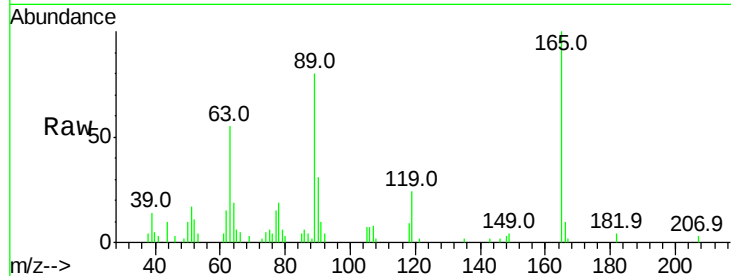
#54
 2,4-Dinitrotoluene
 Concen: 1.94 ng/ul
 RT: 14.80 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.6	36.2	54.2#
182	3.7	2.2	3.4#

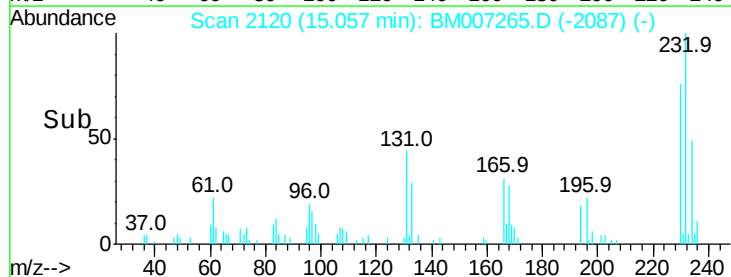
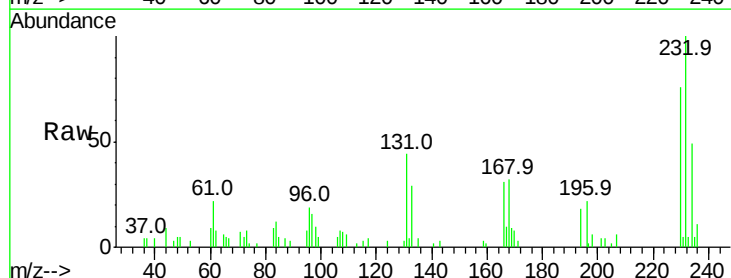
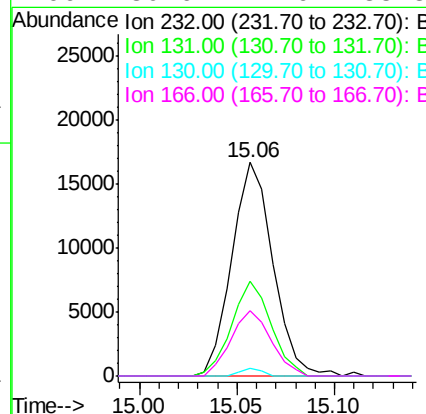
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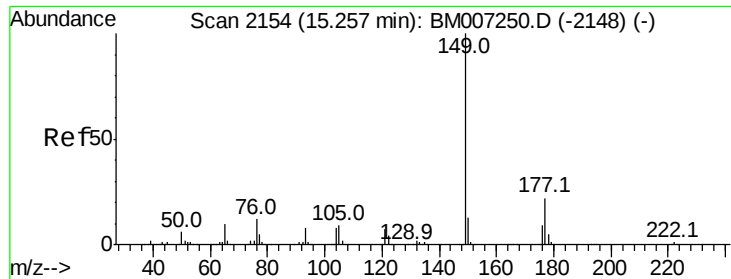
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#55
 2,3,4,6-Tetrachlorophenol
 Concen: 1.85 ng/ul
 RT: 15.06 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.5	31.4	47.0
130	3.4	1.6	2.4#
166	30.6	22.6	33.8





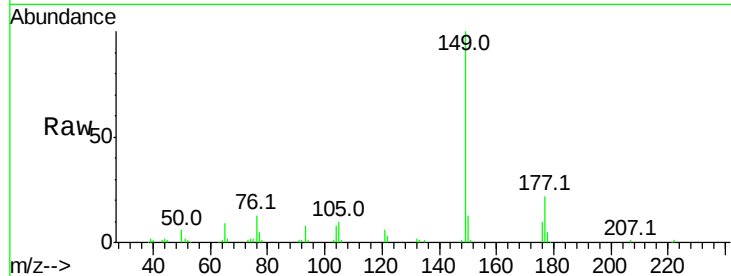
#56
Diethylphthalate
Concen: 2.14 ng/ul
RT: 15.26 min Scan# 2154
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

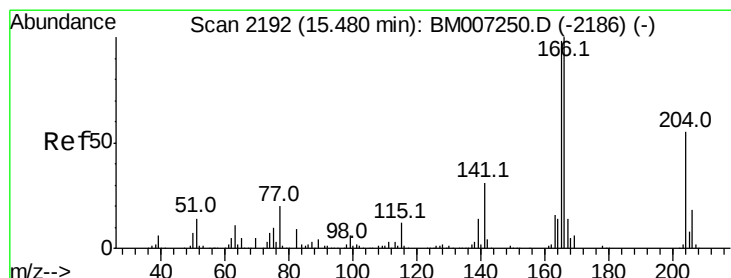
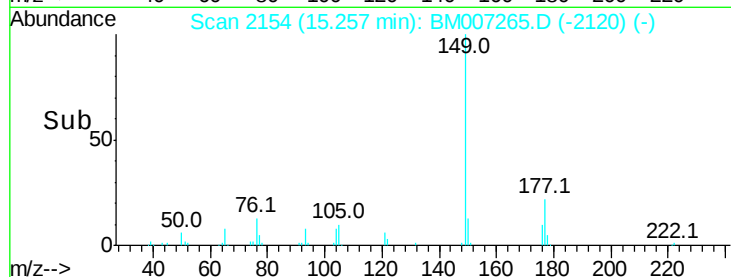
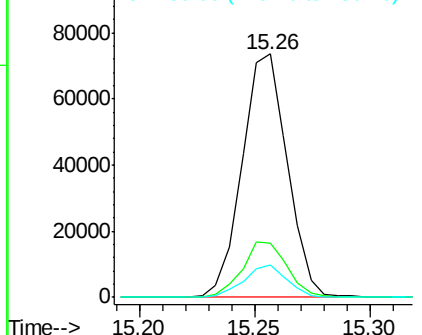
Tot Ion	Ratio	Resp	Lower	Upper
149	100	100562		
177	22.4		18.6	28.0
150	13.1		10.0	15.0

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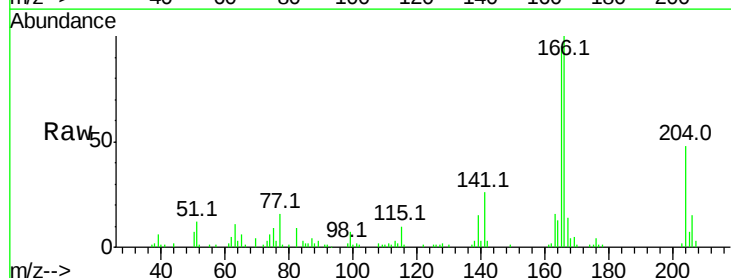


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

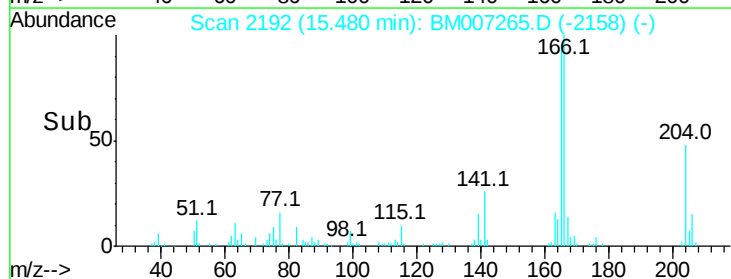
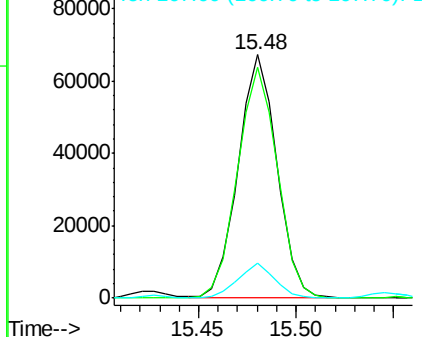


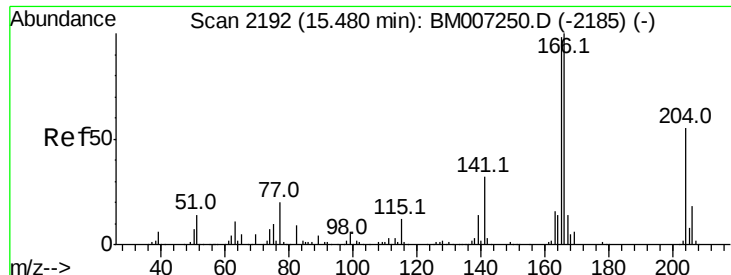
#58
Fluorene
Concen: 2.14 ng/ul
RT: 15.48 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	92568		
165	95.0		79.9	119.9
167	14.1		10.5	15.7



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





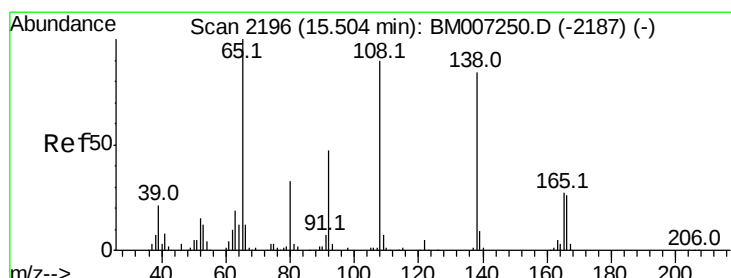
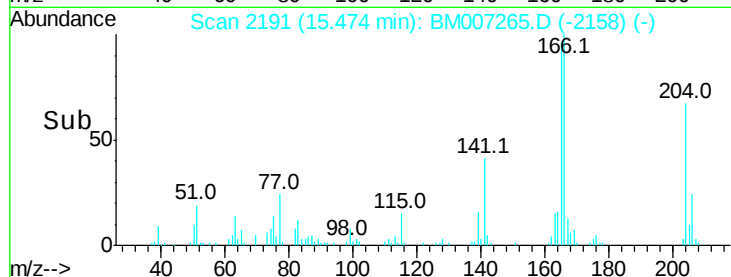
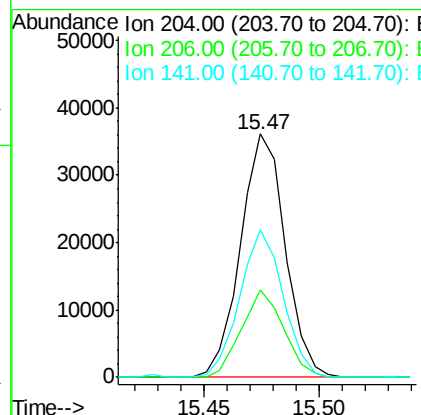
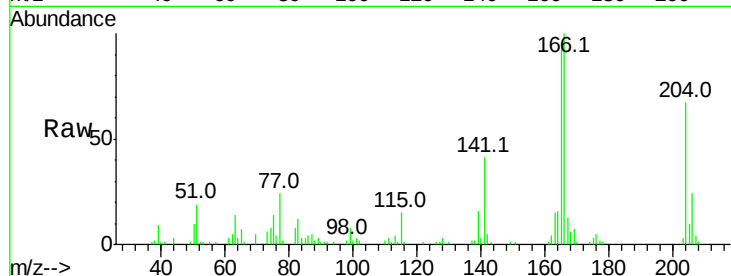
#59
 4-Chlorophenyl-phenylether
 Concen: 2.15 ng/ul
 RT: 15.47 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion:	204	Resp:	48693
Ion Ratio	Lower	Upper	
204	100		
206	36.2	25.9	38.9
141	60.4	46.1	69.1

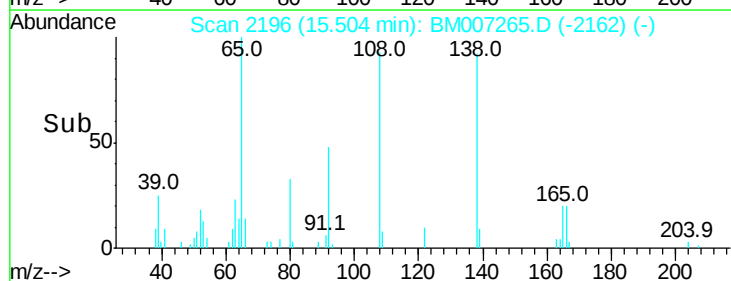
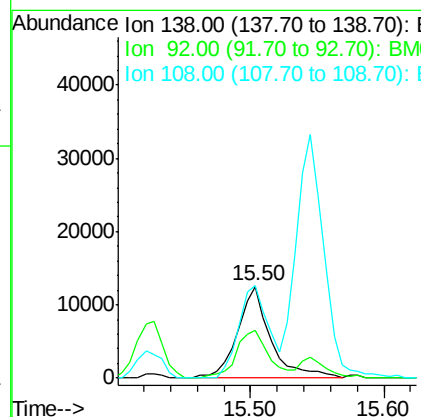
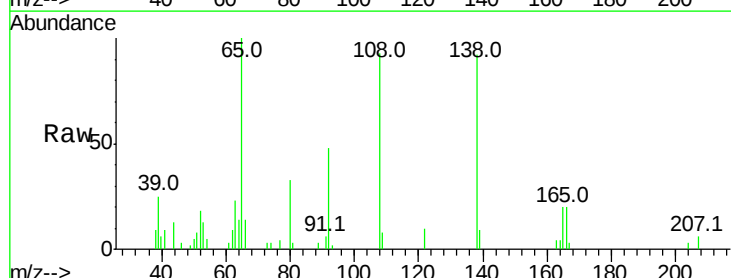
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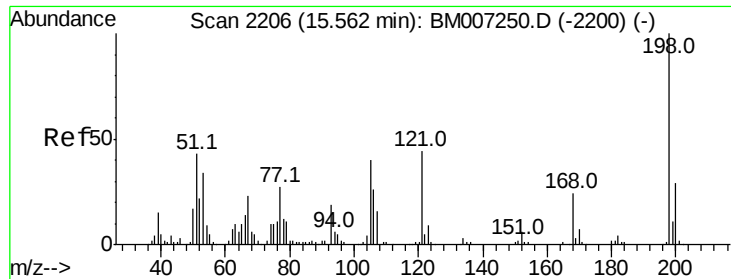
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#60
 4-Nitroaniline
 Concen: 2.02 ng/ul
 RT: 15.50 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion:	138	Resp:	21542
Ion Ratio	Lower	Upper	
138	100		
92	52.8	43.5	65.3
108	101.0	80.3	120.5





#63

4,6-Dinitro-2-methylphenol

Concen: 2.00 ng/ul

RT: 15.56 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

ClientSampleId :

MDL-03-S-ML

Tot Ion:198 Resp: 19459

Ion Ratio Lower Upper

198 100

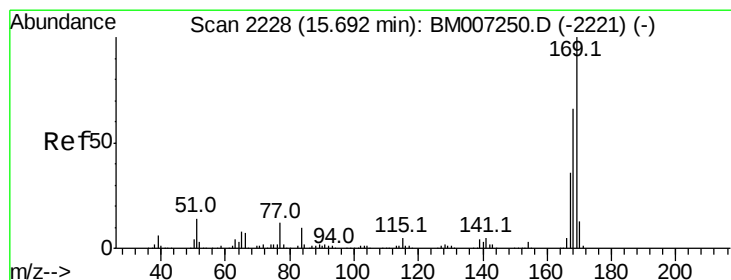
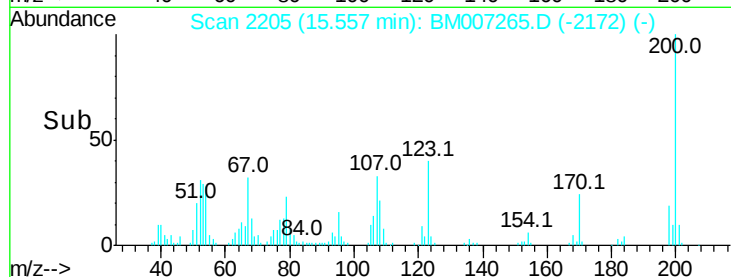
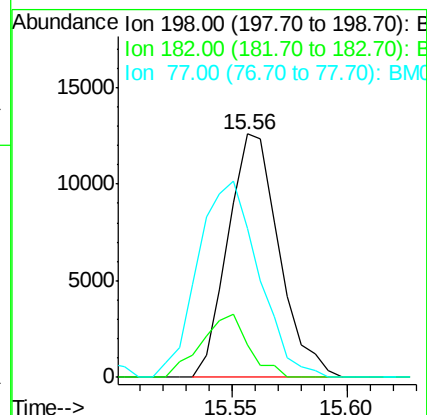
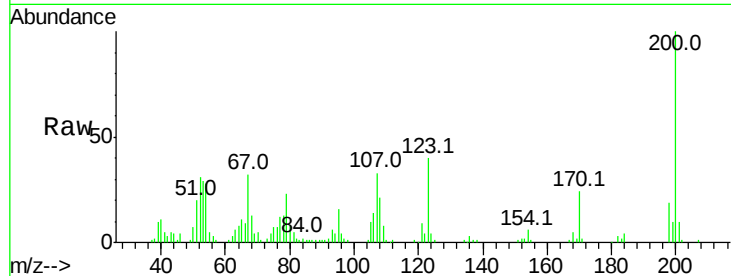
182 13.4 3.3 4.9#

77 61.4 21.8 32.6#

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#64

N-Nitrosodiphenylamine

Concen: 2.06 ng/ul

RT: 15.69 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

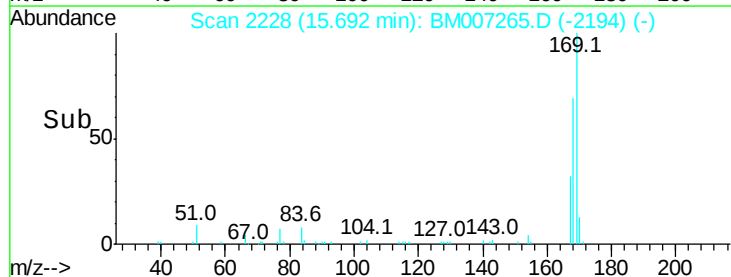
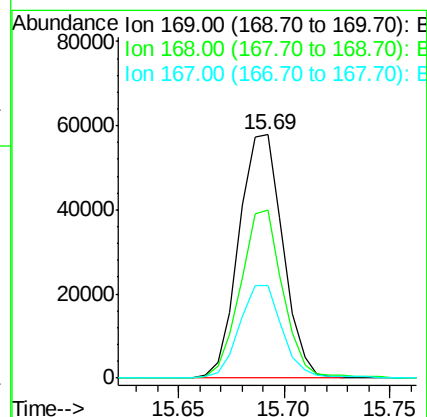
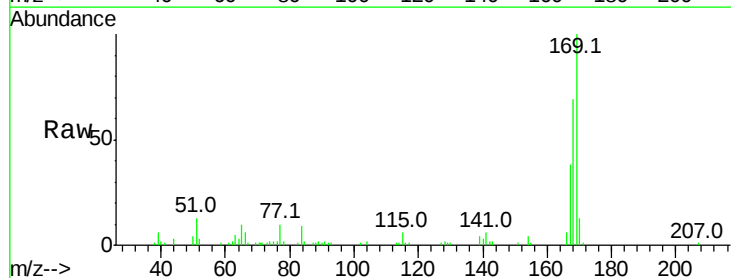
Tgt Ion:169 Resp: 83433

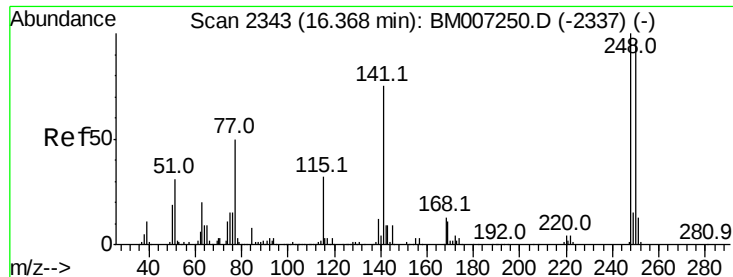
Ion Ratio Lower Upper

169 100

168 69.2 52.6 79.0

167 38.1 28.6 43.0





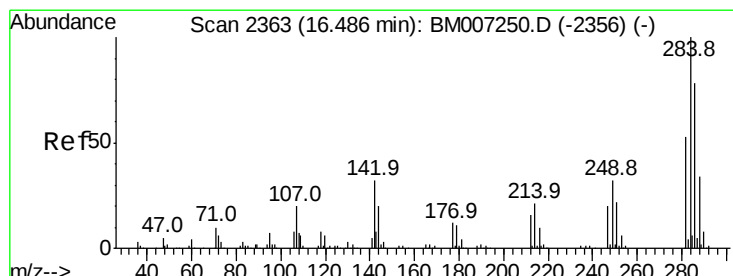
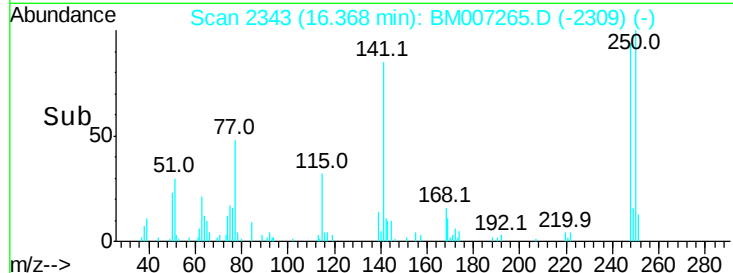
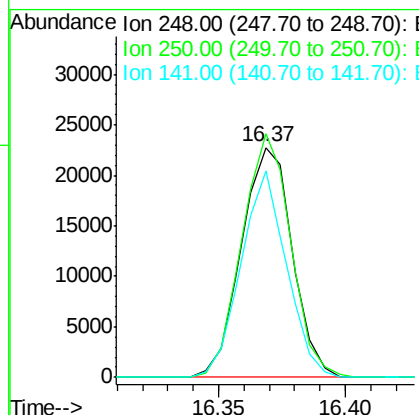
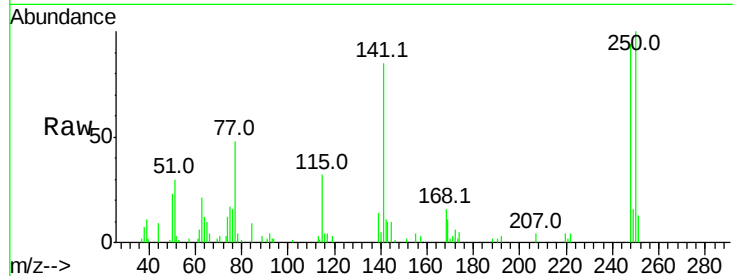
#65
 4-Bromophenyl-phenylether
 Concen: 1.95 ng/ul
 RT: 16.37 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
248	100		
250	106.1	79.7	119.5
141	90.0	58.3	87.5

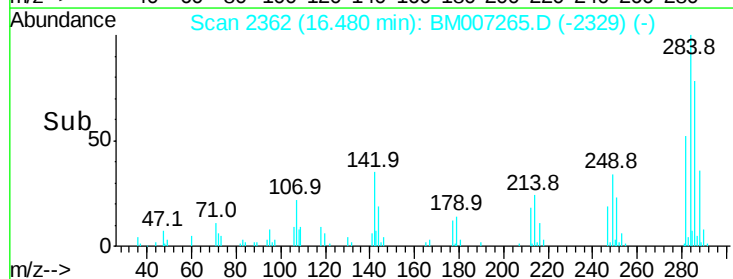
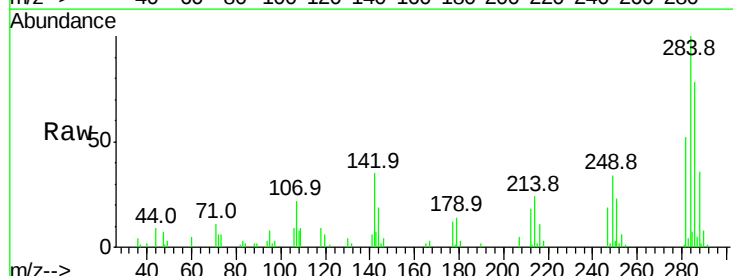
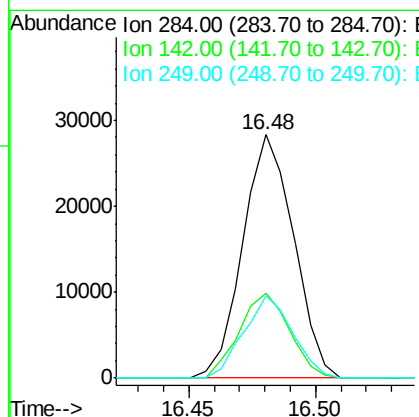
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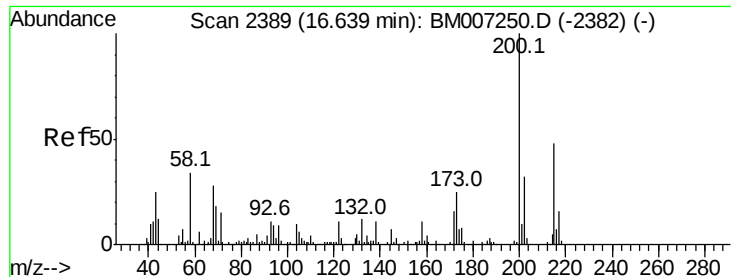
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#66
 Hexachlorobenzene
 Concen: 2.15 ng/ul
 RT: 16.48 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.7	24.9	37.3
249	34.0	25.5	38.3





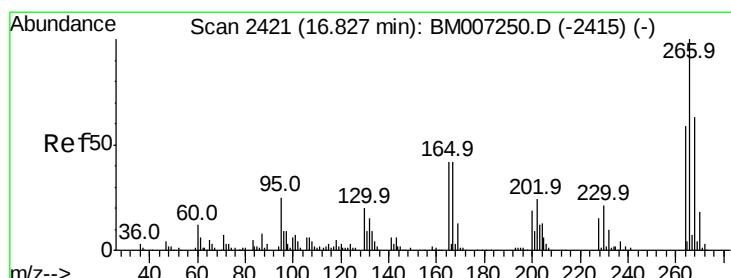
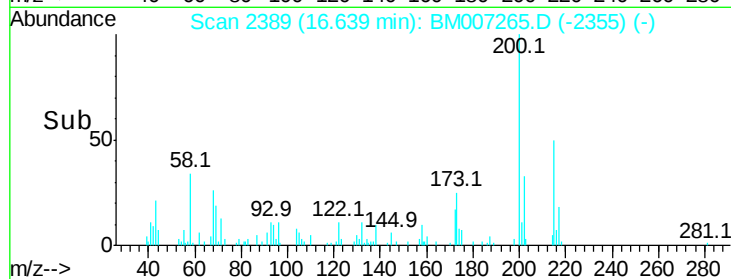
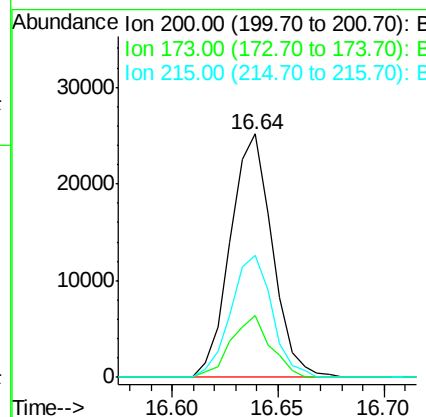
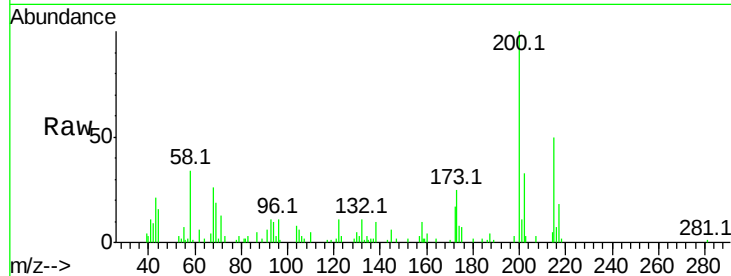
#67
 Atrazine
 Concen: 2.03 ng/ul
 RT: 16.64 min Scan# 2389
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S-ML

Tot Ion:	200	Resp:	34674
Ion Ratio	Lower	Upper	
200	100		
173	25.4	18.9	28.3
215	49.9	39.5	59.3

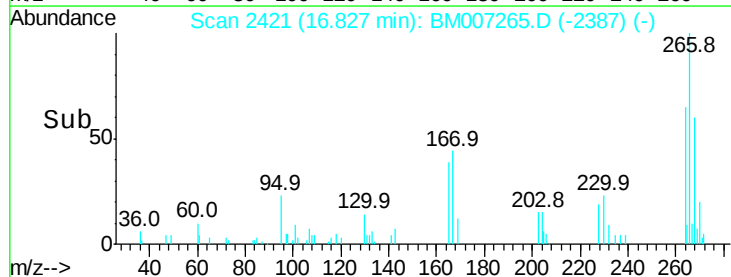
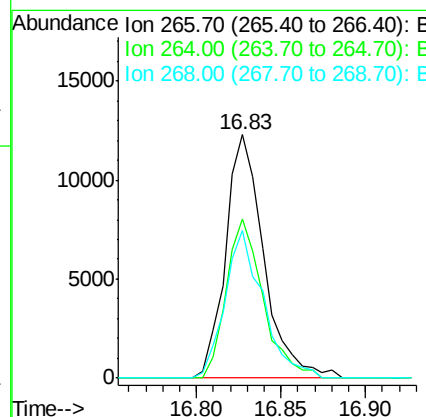
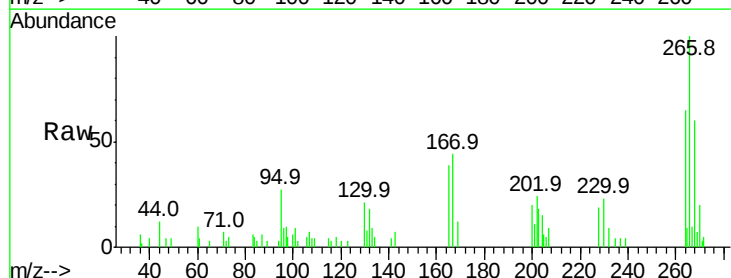
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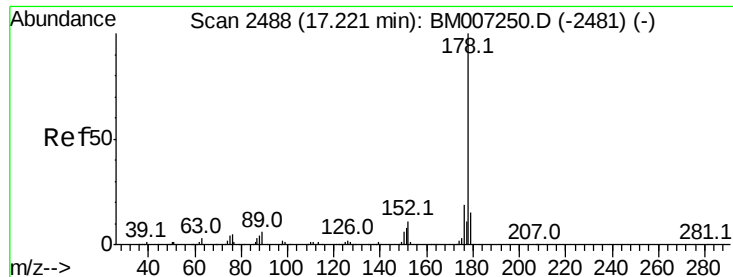
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#68
 Pentachlorophenol
 Concen: 1.63 ng/ul
 RT: 16.83 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion:	266	Resp:	19298
Ion Ratio	Lower	Upper	
266	100		
264	65.3	50.6	75.8
268	60.5	51.0	76.6





#69

Phenanthrene

Concen: 2.14 ng/ul

RT: 17.22 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

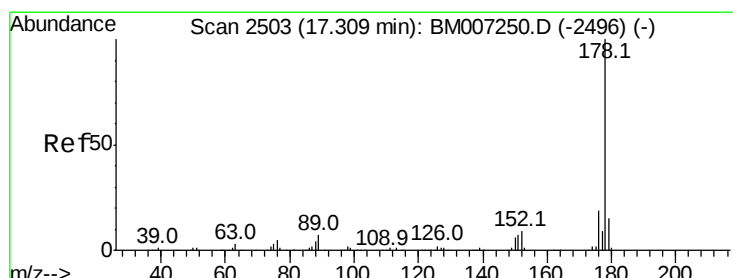
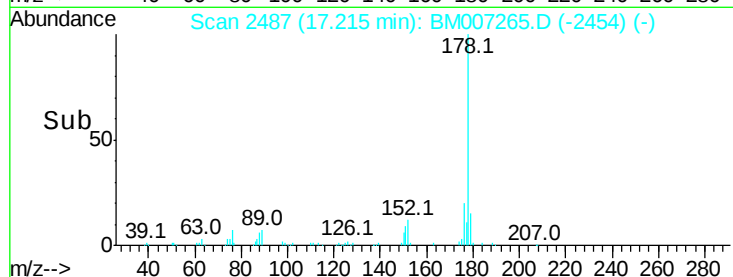
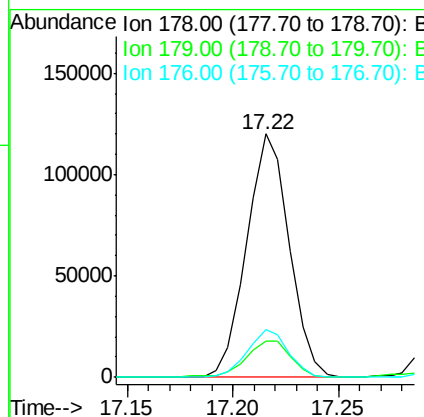
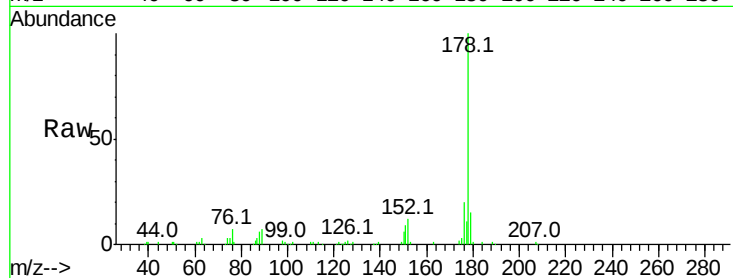
ClientSampleId :

MDL-03-S-ML

Tot Ion:178	Resp:	166653
Ion Ratio	Lower	Upper
178	100	
179	14.9	12.2 18.2
176	19.6	15.1 22.7

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#71

Anthracene

Concen: 2.16 ng/ul

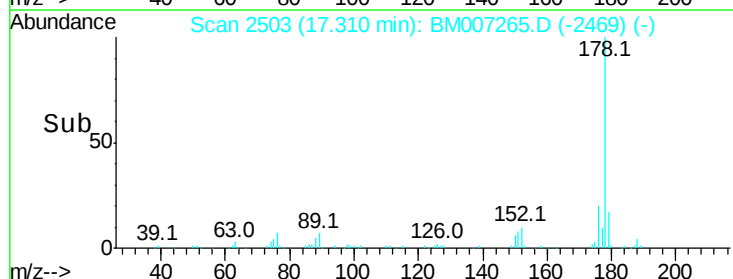
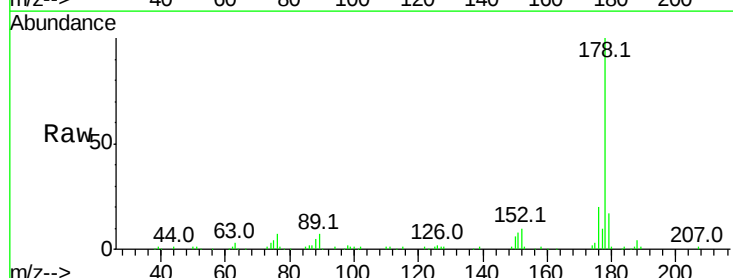
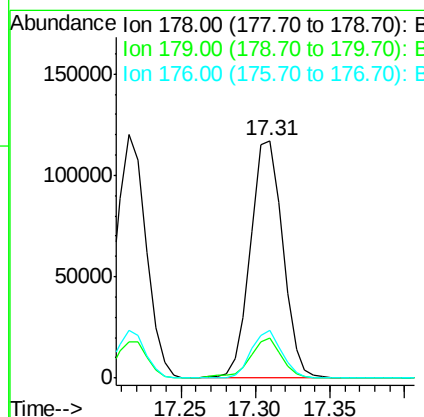
RT: 17.31 min Scan# 2503

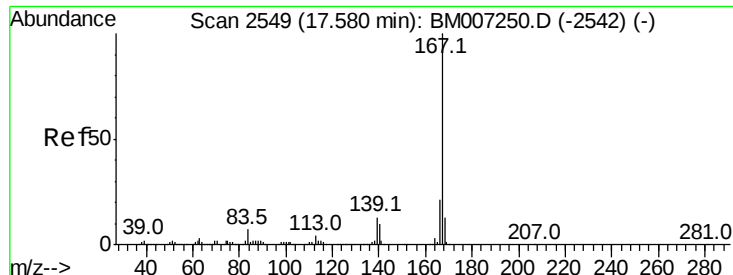
Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:178	Resp:	173561
Ion Ratio	Lower	Upper
178	100	
179	17.1	12.1 18.1
176	20.0	14.5 21.7





#72

Carbazole

Concen: 2.17 ng/ul

RT: 17.58 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

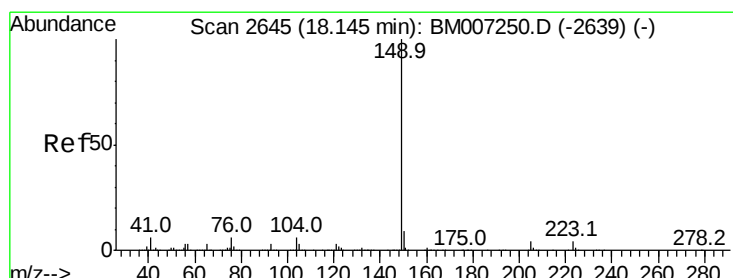
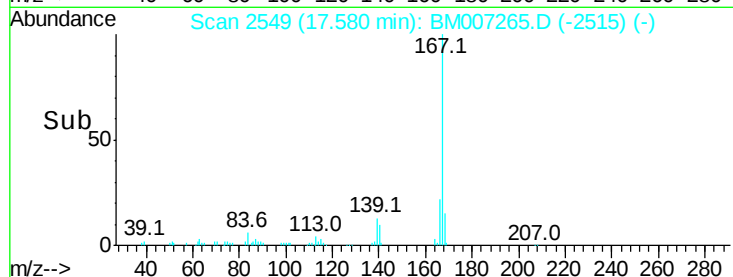
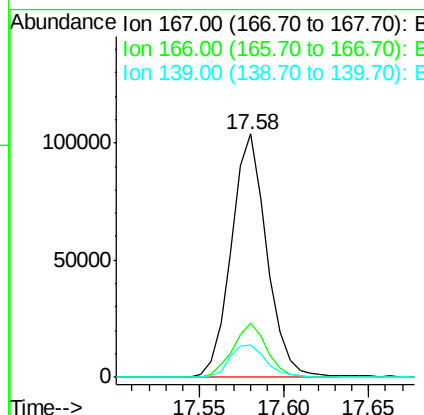
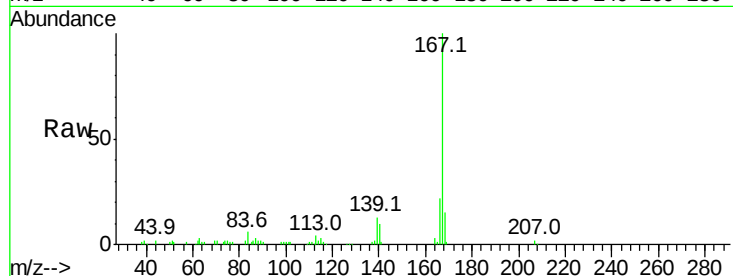
ClientSampled :

MDL-03-S-ML

Tot Ion:	167	Resp:	151905
Ion Ratio	Lower	Upper	
167	100		
166	22.5	16.6	25.0
139	13.1	10.2	15.4

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#73

Di-n-butylphthalate

Concen: 2.03 ng/ul

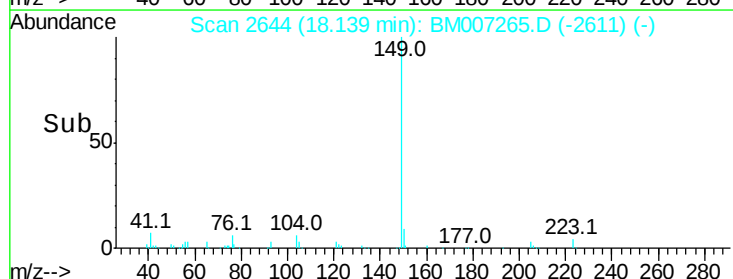
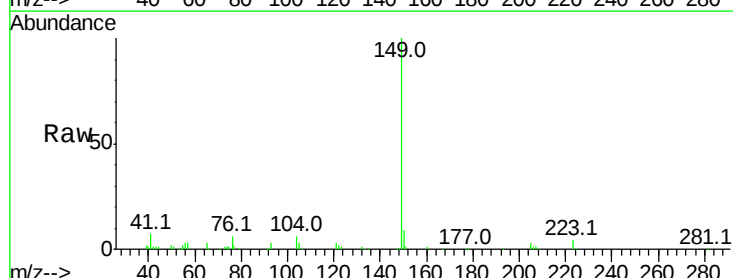
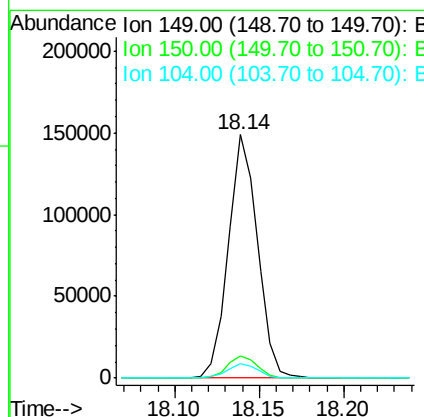
RT: 18.14 min Scan# 2644

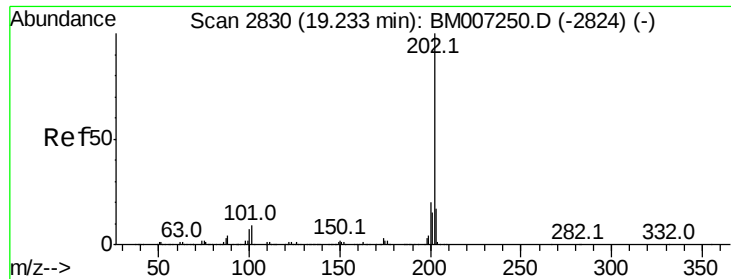
Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion:	149	Resp:	178529
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.6	11.4
104	5.9	4.6	7.0





#74

Fluoranthene

Concen: 2.34 ng/ul

RT: 19.23 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Instrument :

BNA_M

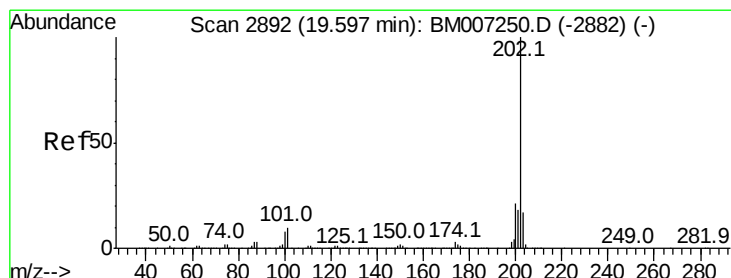
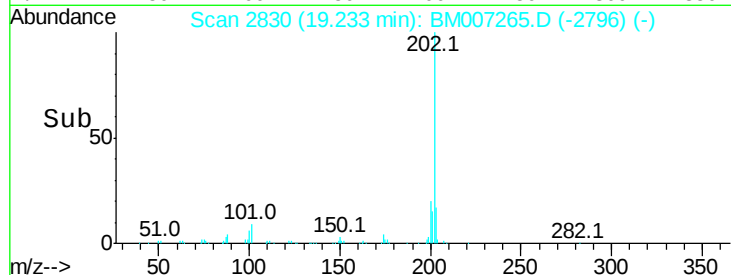
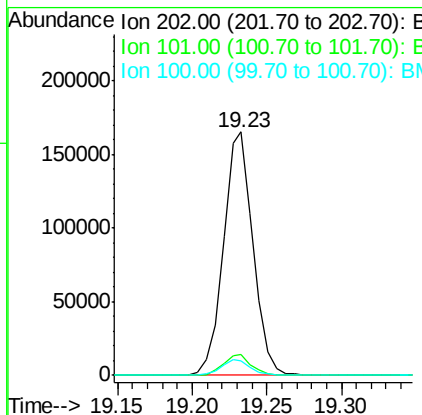
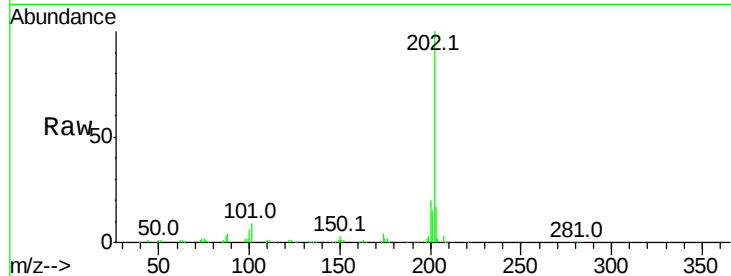
ClientSampleId :

MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
202	100	228746		
101	8.8	6.9	10.3	
100	6.1	5.4	8.0	

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#77

Pyrene

Concen: 2.20 ng/ul

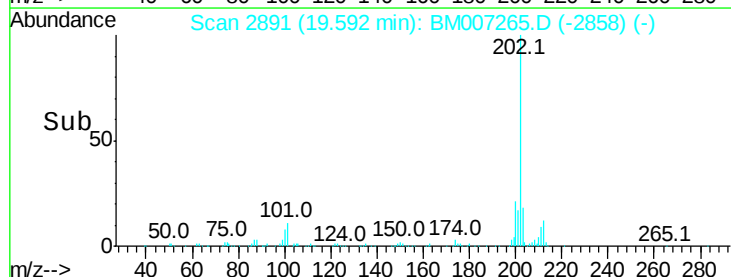
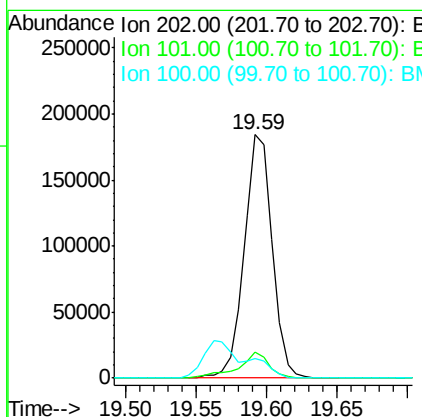
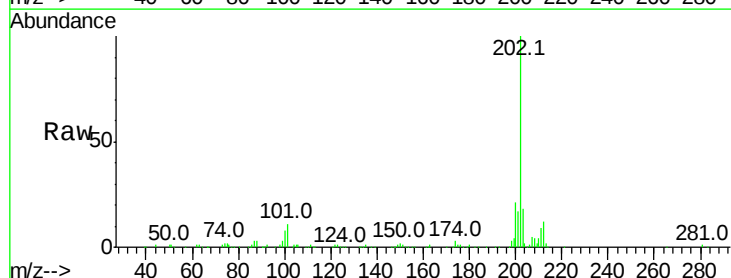
RT: 19.59 min Scan# 2891

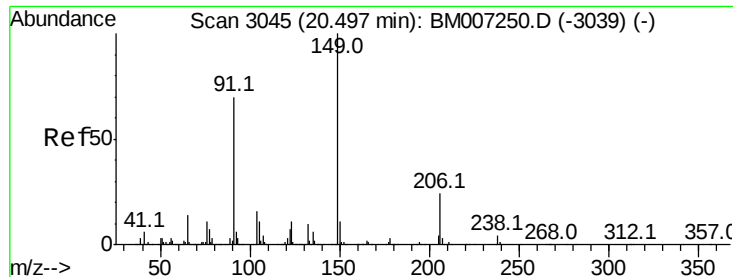
Delta R.T. -0.01 min

Lab File: BM007265.D

Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	256031		
101	10.8	8.4	12.6	
100	7.9	6.9	10.3	





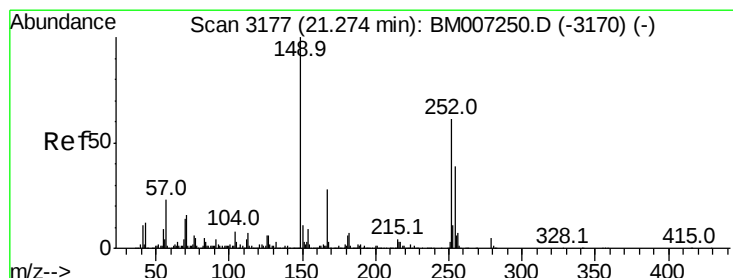
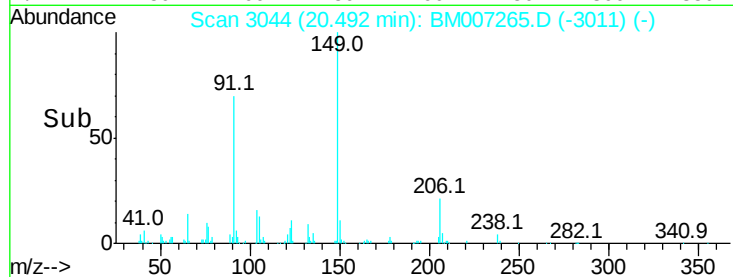
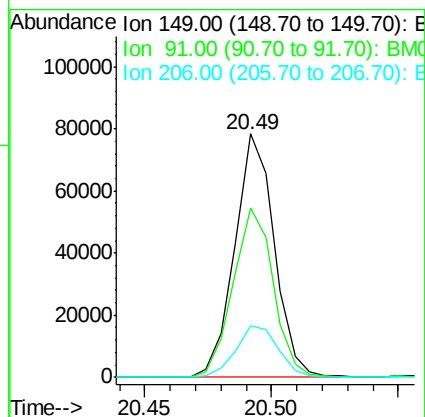
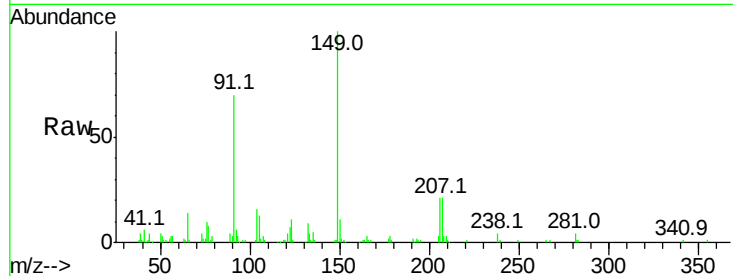
#78
Butylbenzylphthalate
Concen: 1.76 ng/ul
RT: 20.49 min Scan# 3044
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

Tot Ion:	149	Resp:	85230
Ion Ratio	Lower	Upper	
149	100		
91	69.7	57.3	85.9
206	20.9	18.6	27.8

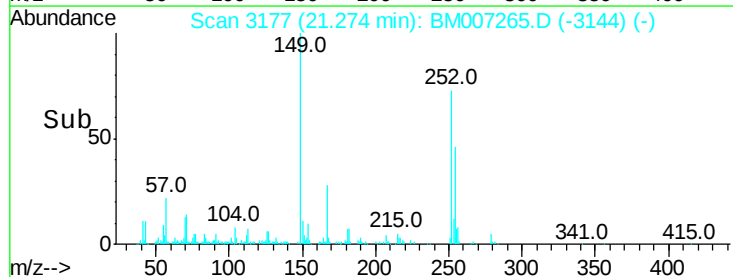
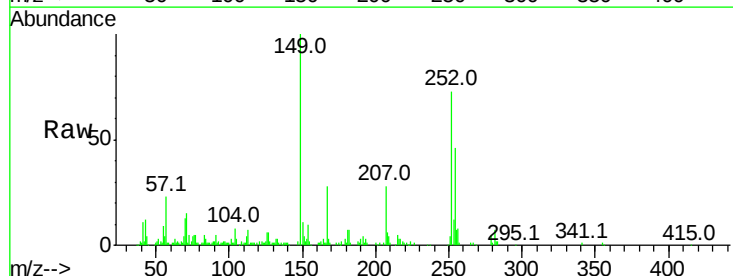
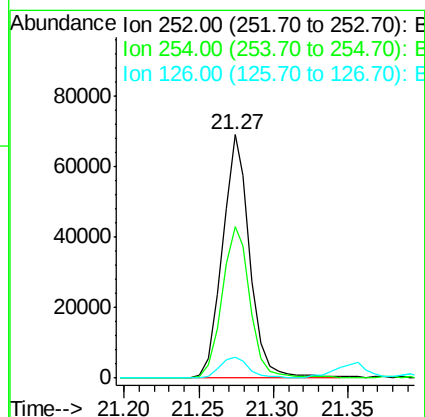
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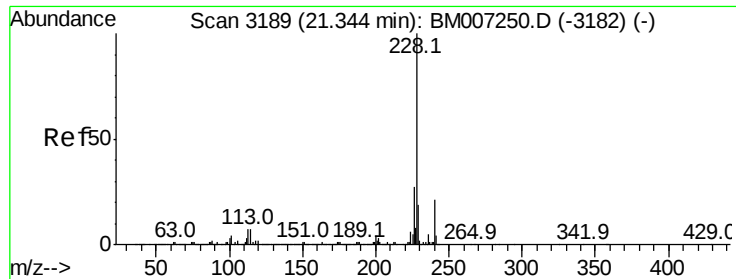
sohil
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#79
3,3'-Dichlorobenzidine
Concen: 2.07 ng/ul
RT: 21.27 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion:	252	Resp:	88934
Ion Ratio	Lower	Upper	
252	100		
254	62.2	51.0	76.4
126	8.7	7.1	10.7





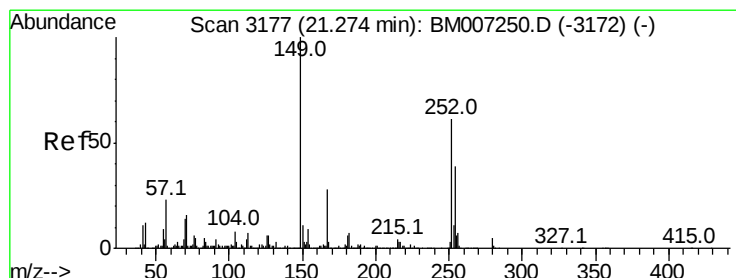
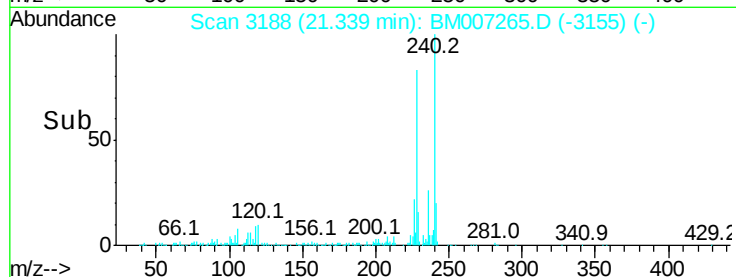
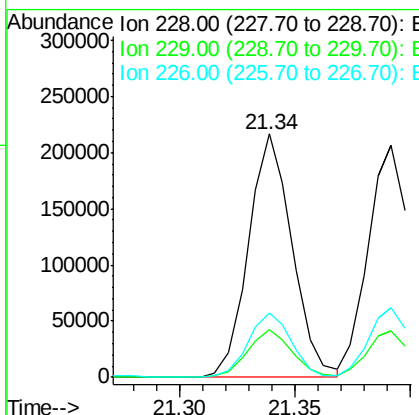
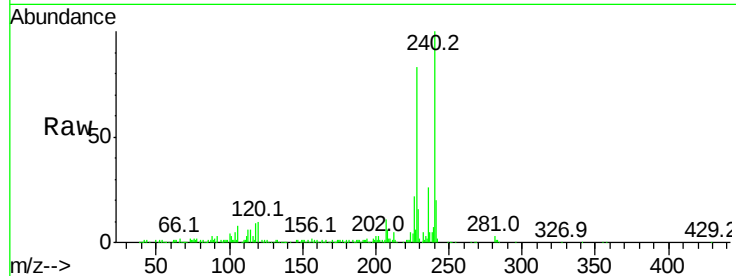
#80
Benzo(a)anthracene
Concen: 2.23 ng/ul
RT: 21.34 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.6	23.4
226	26.6	21.8	32.8

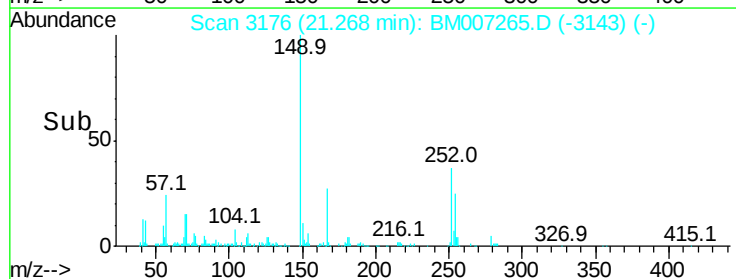
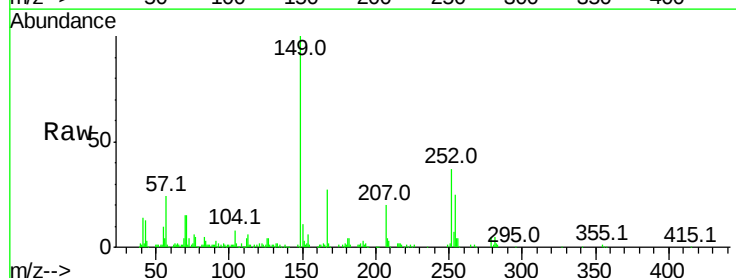
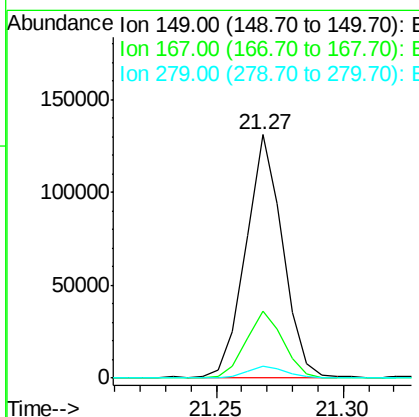
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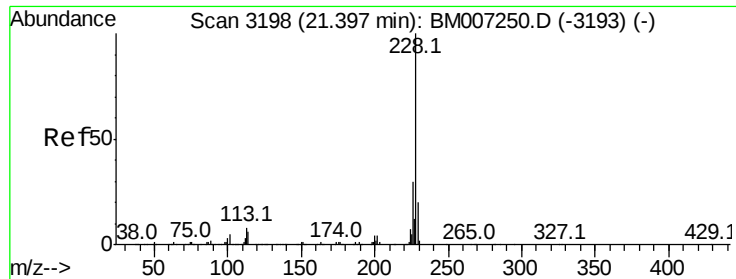
sohil
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#81
Bis(2-ethylhexyl)phthalate
Concen: 1.88 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	23.2	34.8
279	5.0	4.1	6.1





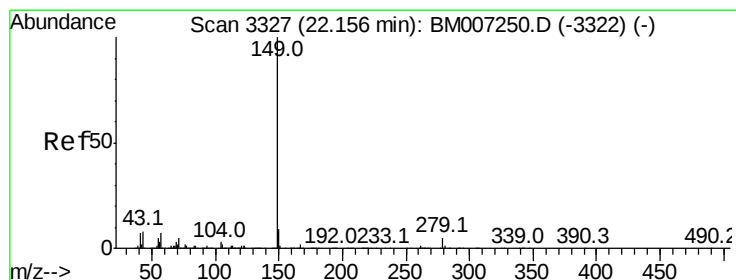
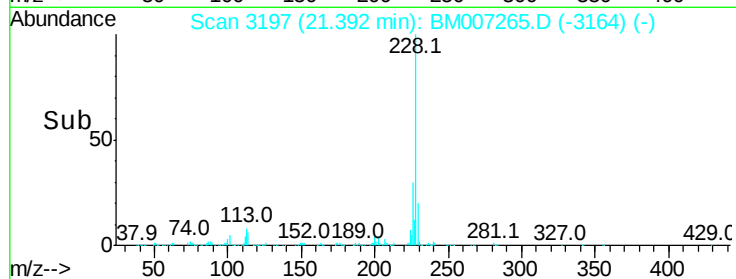
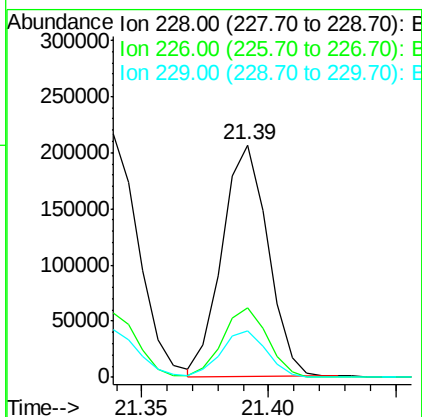
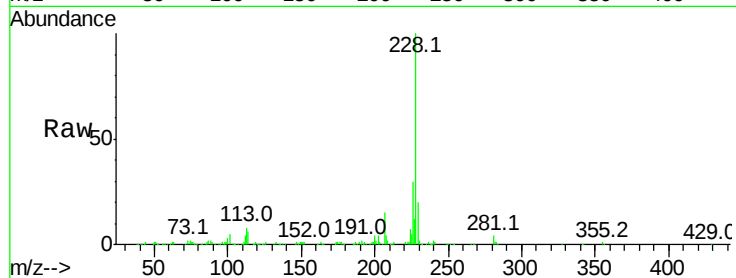
#82
 Chrvsene
 Concen: 2.24 ng/ul
 RT: 21.39 min Scan# 3197
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Instrument :
 BNA_M
 ClientSampled :
 MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
228	100	259008		
226	30.2		23.4	35.2
229	20.3		15.5	23.3

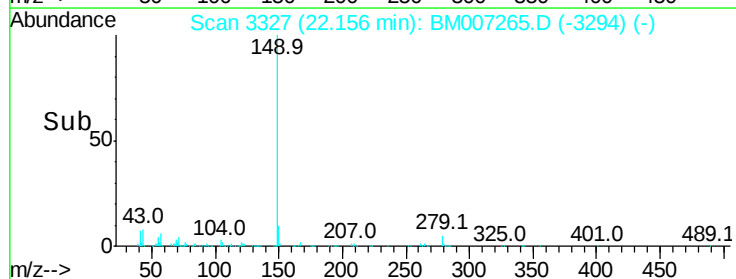
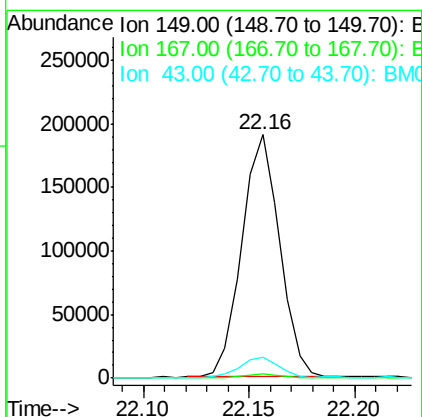
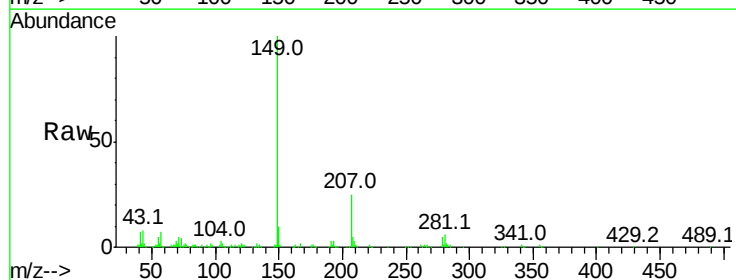
Manual Integrations
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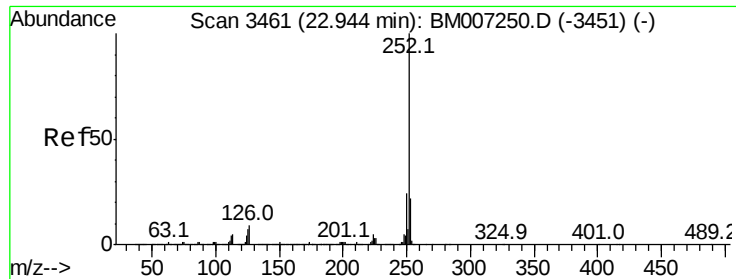
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#84
 Di-n-octyl phthalate
 Concen: 1.96 ng/ul
 RT: 22.16 min Scan# 3327
 Delta R.T. -0.01 min
 Lab File: BM007265.D
 Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	237258		
167	1.7		1.3	1.9
43	8.4		6.6	10.0





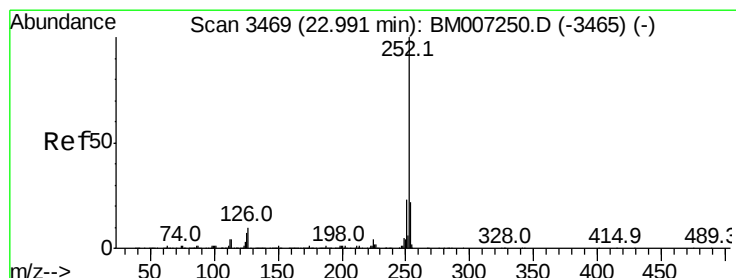
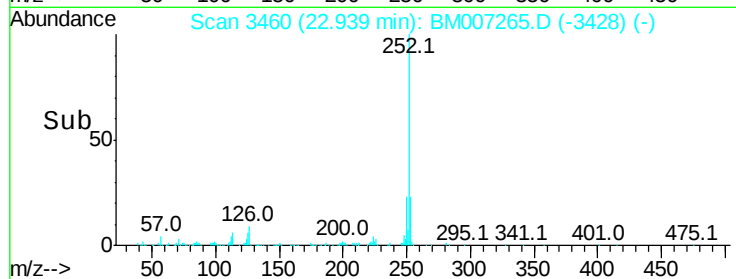
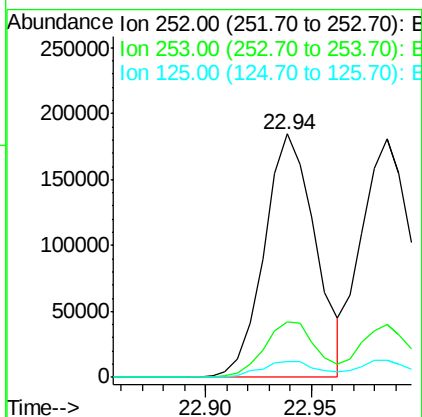
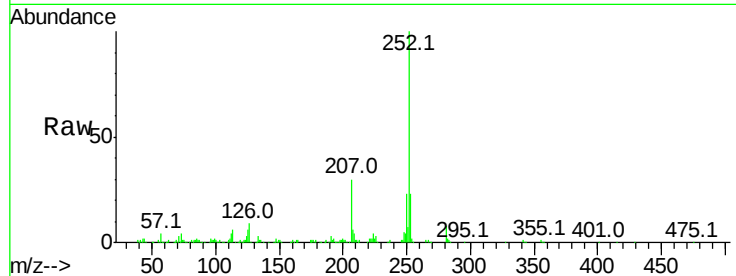
#85
Benzo(b)fluoranthene
Concen: 2.17 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
252	100	311825		
253	22.9		17.1	25.7
125	6.5		5.8	8.8

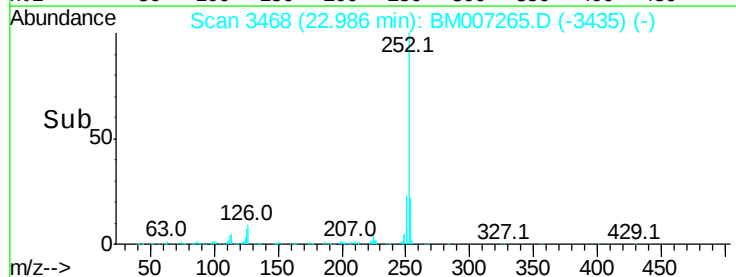
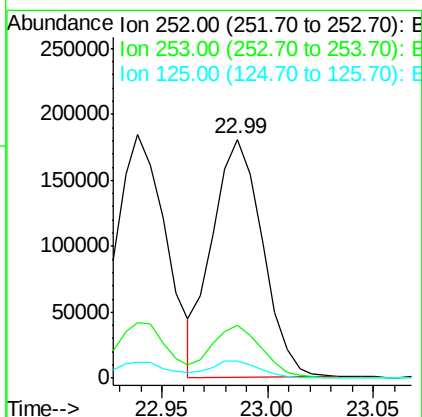
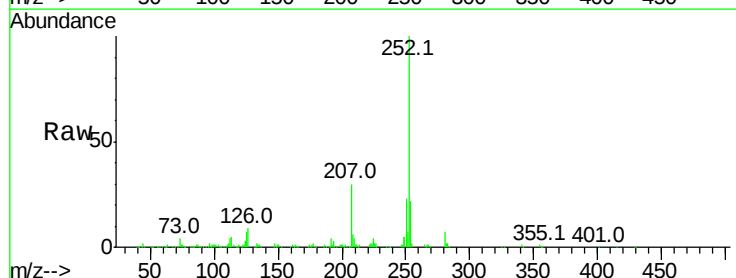
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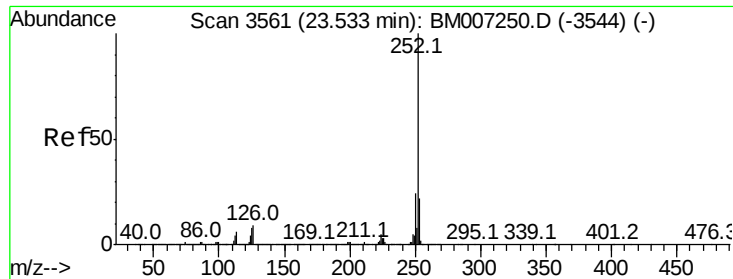
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#86
Benzo(k)fluoranthene
Concen: 2.24 ng/ul
RT: 22.99 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	297005		
253	21.9		17.6	26.4
125	6.9		5.7	8.5





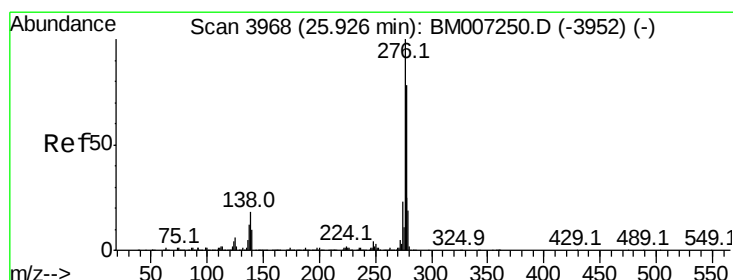
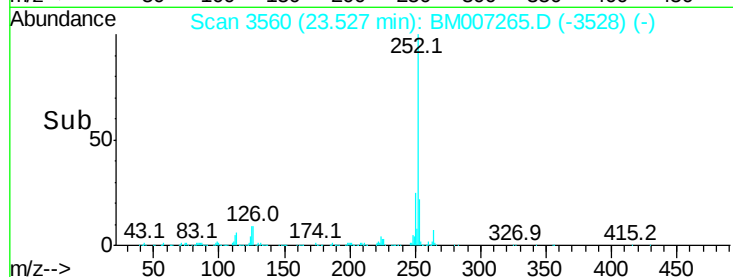
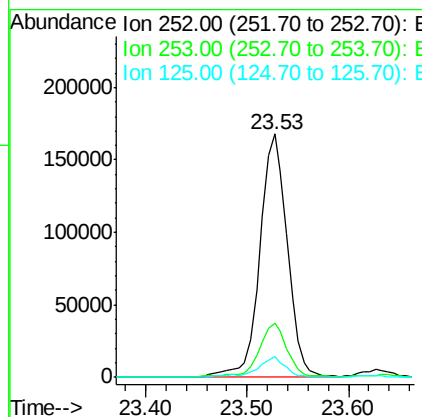
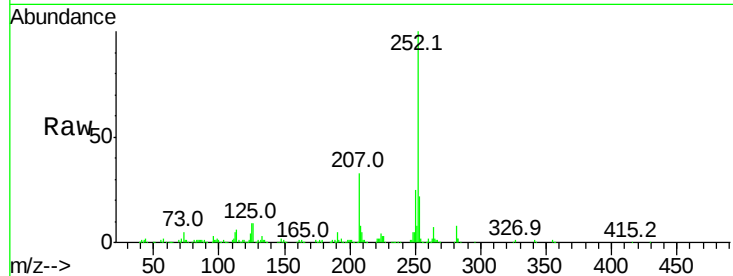
#88
Benzo(a)pyrene
Concen: 2.28 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampleId :
MDL-03-S-ML

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.6	6.6	9.8

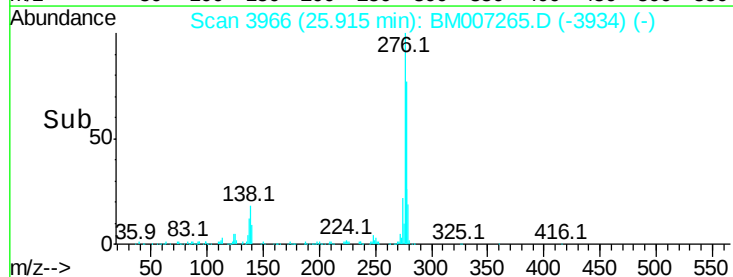
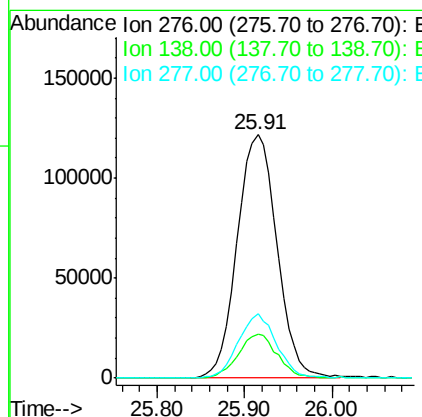
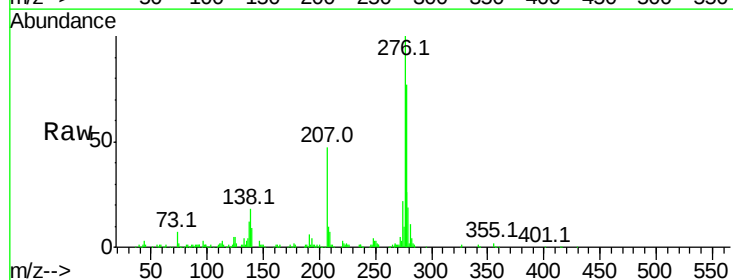
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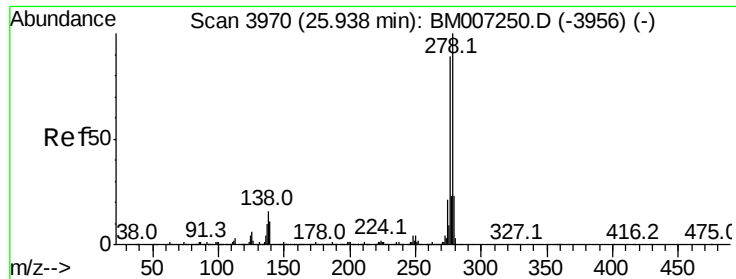
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.23 ng/ul
RT: 25.91 min Scan# 3966
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	18.2	13.9	20.9
277	26.2	20.1	30.1





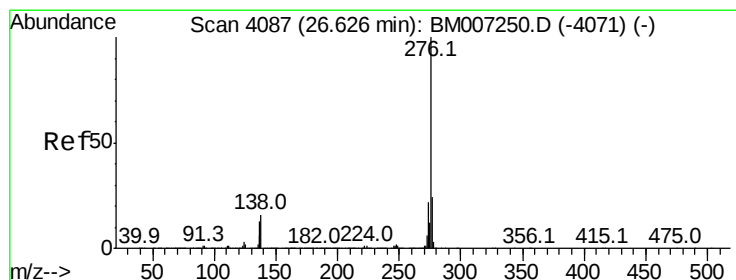
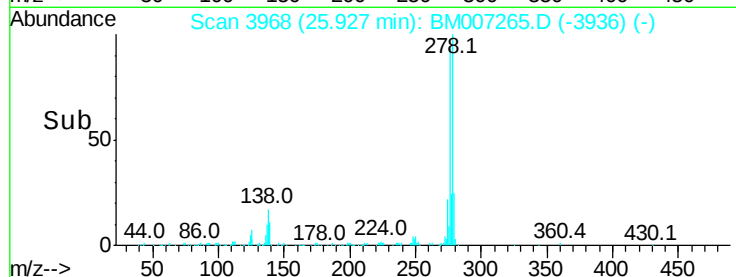
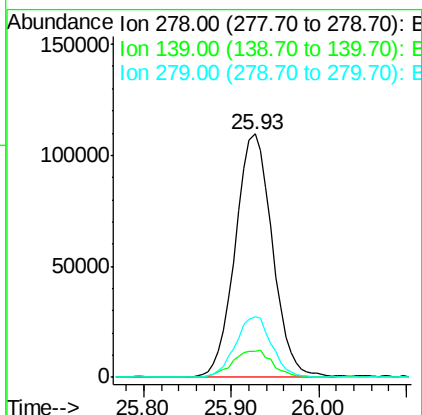
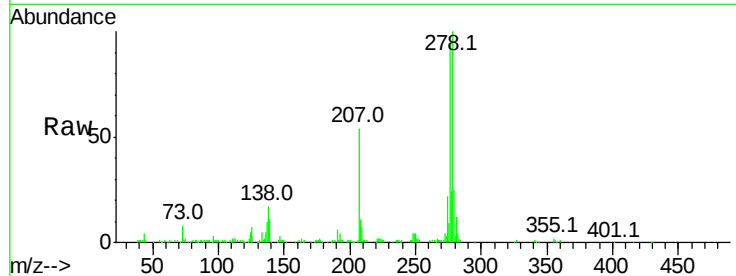
#90
Dibenzo(a,h)anthracene
Concen: 2.26 ng/ul
RT: 25.93 min Scan# 3968
Delta R.T. -0.01 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Instrument :
BNA_M
ClientSampled :
MDL-03-S-ML

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.5	14.3
279	24.8	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.19 ng/ul
RT: 26.61 min Scan# 4085
Delta R.T. -0.02 min
Lab File: BM007265.D
Acq: 23 Aug 2016 22:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	13.5	20.3
277	23.7	19.3	28.9

