

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082316\
 Data File : BM007267.D
 Acq On : 24 Aug 2016 00:07
 Operator : UM/SJ
 Sample : MDL-05-S-ML
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S-ML

Manual Integrations
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 8/24/2016 4:15:35 PM

Quant Time: Aug 24 06:48:58 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	153986	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	781731	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	585305	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1607794	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	2357830	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2613711	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	8292	2.75	ng/uL	0.00
5) Phenol-d5	6.97	99	327837	22.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	195922	25.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	256412	23.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	293708	23.15	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	140514	24.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	167422	24.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	302192	22.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	437133	26.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1374999	27.23	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1485962	25.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	251774	26.41	ng/ul	0.00
57) Fluorene-d10	15.43	176	1140647	26.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	252125	24.94	ng/ul	0.00
70) Anthracene-d10	17.27	188	2032916	27.07	ng/ul	0.00
76) Pyrene-d10	19.57	212	2631118	26.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	3315061	27.54	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.34	88	2762m	0.82	ng/ul
4) Benzaldehyde	6.95	77	21318	2.57	ng/ul
6) Phenol	6.99	94	27609	1.83	ng/ul
8) Bis(2-Chloroethyl)ether	7.23	93	22252	2.12	ng/ul
10) 2-Chlorophenol	7.37	128	19900	1.81	ng/ul
11) 2-Methylphenol	8.24	108	20272	1.72	ng/ul
12) 2,2'-oxybis(1-Chloropropan	8.33	45	24627	2.08	ng/ul
14) Acetophenone	8.62	105	40227	2.07	ng/ul
15) N-Nitroso-di-n-propylamine	8.60	70	20302	1.96	ng/ul
16) 4-Methylphenol	8.56	108	23799	1.80	ng/ul
17) Hexachloroethane	8.87	117	8578	2.00	ng/ul
20) Nitrobenzene	9.00	77	30342	2.06	ng/ul
21) Isophorone	9.52	82	58601	1.95	ng/ul
23) 2-Nitrophenol	9.70	139	15213	2.09	ng/ul
24) 2,4-Dimethylphenol	9.76	107	30912	1.92	ng/ul
25) Bis(2-Chloroethoxy)methane	10.00	93	32368	1.91	ng/ul
27) 2,4-Dichlorophenol	10.23	162	25384	1.92	ng/ul
28) Naphthalene	10.64	128	75474	1.94	ng/ul
30) 4-Chloroaniline	10.75	127	34716	2.03	ng/ul
31) Hexachlorobutadiene	10.92	225	17970	2.01	ng/ul
32) Caprolactam	11.53	113	10531m	1.97	ng/ul
33) 4-Chloro-3-methylphenol	11.87	107	28693	1.75	ng/ul
34) 2-Methylnaphthalene	12.25	142	63037	1.98	ng/ul

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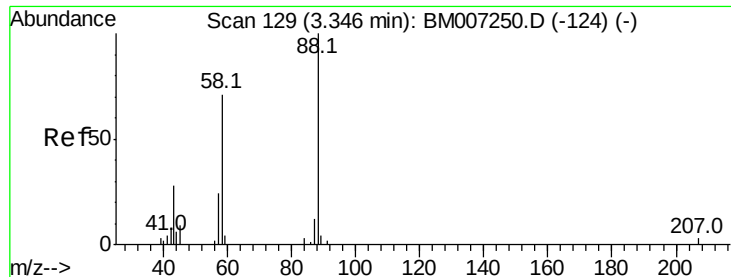
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 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	37437	1.92	ng/ul	98
37) Hexachlorocyclopentadiene	12.60	237	17654	1.50	ng/ul	86
38) 2,4,6-Trichlorophenol	12.86	196	22986	1.67	ng/ul	99
39) 2,4,5-Trichlorophenol	12.93	196	25494	1.77	ng/ul	96
40) 1,1'-Biphenyl	13.26	154	90737	2.00	ng/ul	100
41) 2-Chloronaphthalene	13.30	162	70402	1.98	ng/ul	96
42) 2-Nitroaniline	13.51	65	19709	1.70	ng/ul	96
44) Dimethylphthalate	13.89	163	112282	2.23	ng/ul	98
45) 2,6-Dinitrotoluene	14.01	165	18127	1.76	ng/ul#	91
47) Acenaphthylene	14.15	152	121291	2.01	ng/ul	98
48) 3-Nitroaniline	14.34	138	18518	1.76	ng/ul	99
49) Acenaphthene	14.49	153	77702	1.98	ng/ul	98
50) 2,4-Dinitrophenol	14.55	184	8859	1.27	ng/ul	98
52) 4-Nitrophenol	14.65	109	22532	2.22	ng/ul	93
53) Dibenzofuran	14.83	168	120833	2.06	ng/ul	98
54) 2,4-Dinitrotoluene	14.80	165	31903	2.02	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.06	232	28261	1.92	ng/ul	96
56) Diethylphthalate	15.26	149	114133	2.18	ng/ul	99
58) Fluorene	15.48	166	105898	2.19	ng/ul	91
59) 4-Chlorophenyl-phenylether	15.47	204	53933	2.14	ng/ul	98
60) 4-Nitroaniline	15.50	138	24805m	2.08	ng/ul	
63) 4,6-Dinitro-2-methylphenol	15.56	198	23457	2.17	ng/ul#	54
64) N-Nitrosodiphenylamine	15.69	169	91847	2.05	ng/ul	94
65) 4-Bromophenyl-phenylether	16.37	248	37232	2.05	ng/ul	98
66) Hexachlorobenzene	16.48	284	42771	2.10	ng/ul	95
67) Atrazine	16.64	200	37819	2.00	ng/ul	98
68) Pentachlorophenol	16.83	266	21535	1.64	ng/ul	95
69) Phenanthrene	17.22	178	190899	2.21	ng/ul	99
71) Anthracene	17.31	178	196548	2.21	ng/ul	100
72) Carbazole	17.58	167	173676	2.24	ng/ul	98
73) Di-n-butylphthalate	18.14	149	196758	2.02	ng/ul	99
74) Fluoranthene	19.23	202	254575	2.35	ng/ul	98
77) Pyrene	19.59	202	281897	2.23	ng/ul	98
78) Butylbenzylphthalate	20.49	149	94171	1.79	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.27	252	94194	2.01	ng/ul	99
80) Benzo(a)anthracene	21.34	228	318500	2.29	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	147051	1.93	ng/ul	98
82) Chrysene	21.39	228	286180	2.27	ng/ul	99
84) Di-n-octyl phthalate	22.16	149	256331	1.97	ng/ul	100
85) Benzo(b)fluoranthene	22.94	252	343269	2.22	ng/ul	99
86) Benzo(k)fluoranthene	22.99	252	333165	2.33	ng/ul	99
88) Benzo(a)pyrene	23.53	252	345522	2.34	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.91	276	412152	2.27	ng/ul	100
90) Dibenzo(a,h)anthracene	25.93	278	343385	2.27	ng/ul	99
91) Benzo(g,h,i)perylene	26.61	276	343695	2.23	ng/ul	98

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



#2

1,4-Dioxane

Concen: 0.82 ng/uL m

RT: 3.34 min Scan# 128

Delta R.T. -0.01 min

Lab File: BM007267.D

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Instrument :

BNA_M

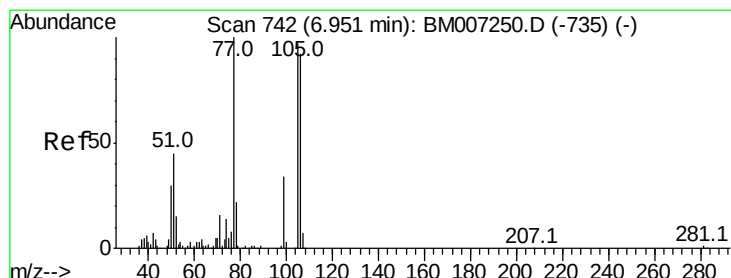
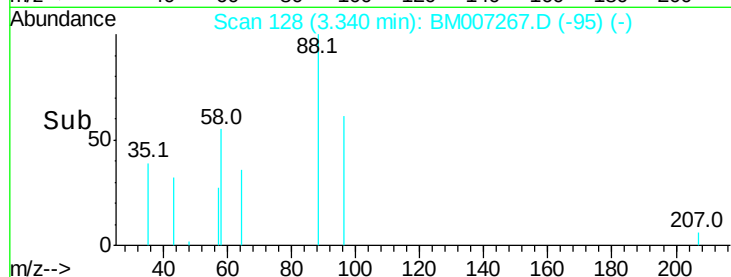
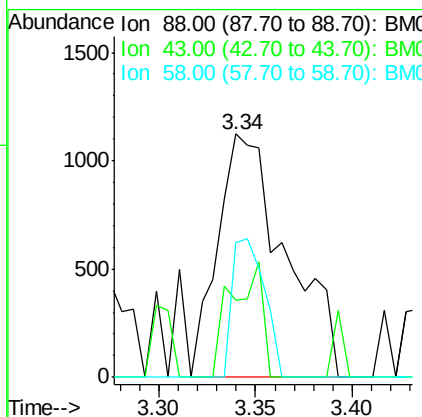
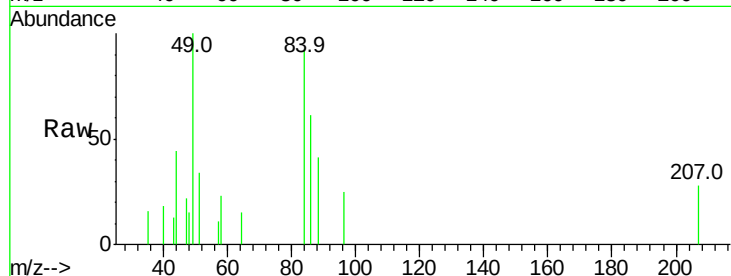
ClientSampled :

MDL-05-S-ML

Tot Ion:	88	Resp:	2762
Ion	Ratio	Lower	Upper
88	100		
43	11.5	22.6	34.0#
58	26.5	57.3	85.9#

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#4

Benzaldehyde

Concen: 2.57 ng/uL

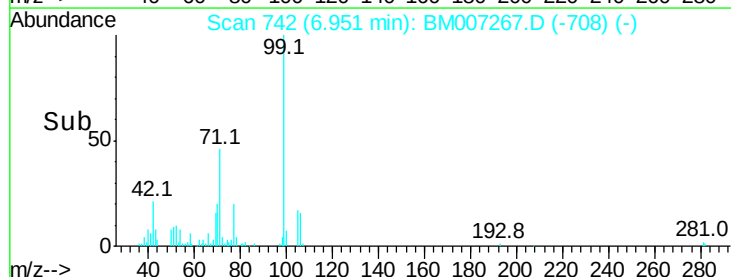
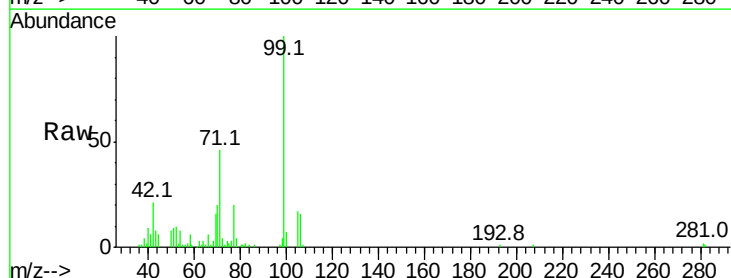
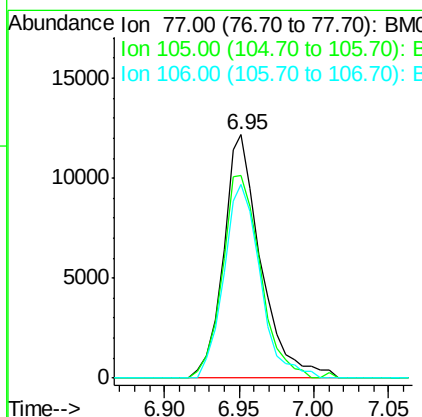
RT: 6.95 min Scan# 742

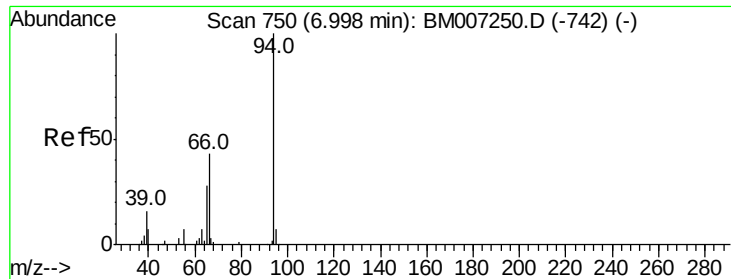
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	77	Resp:	21318
Ion	Ratio	Lower	Upper
77	100		
105	83.4	76.9	115.3
106	79.7	71.8	107.8





#6

Phenol

Concen: 1.83 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

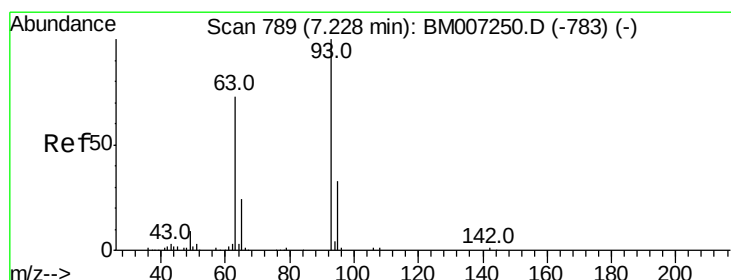
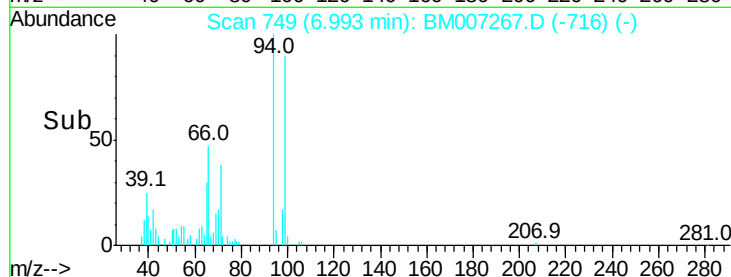
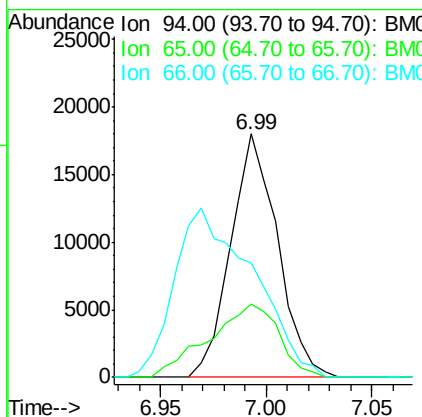
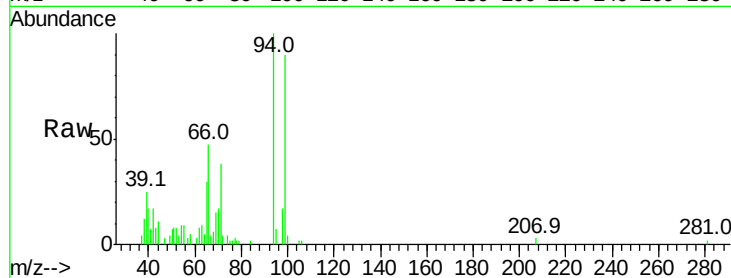
ClientSampleId :

MDL-05-S-ML

Tot Ion:	94	Resp:	27609
Ion	Ratio	Lower	Upper
94	100		
65	30.2	23.9	35.9
66	46.9	33.5	50.3

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#8

Bis(2-Chloroethyl)ether

Concen: 2.12 ng/ul

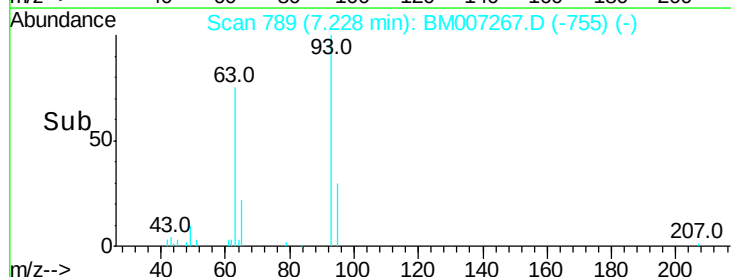
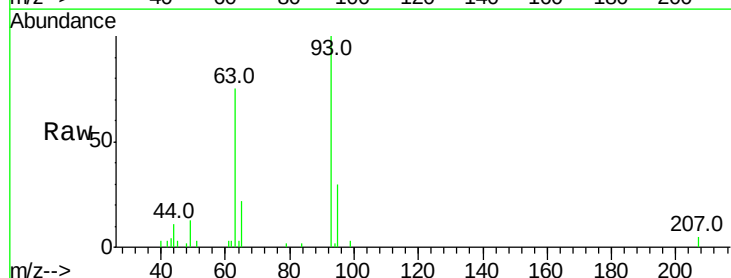
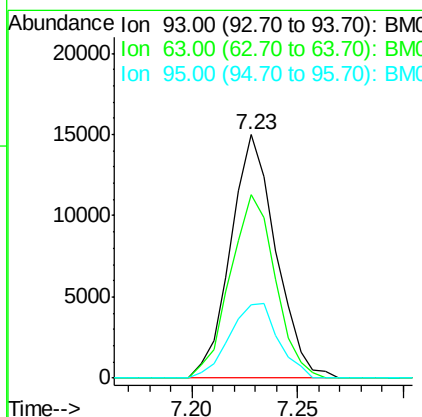
RT: 7.23 min Scan# 789

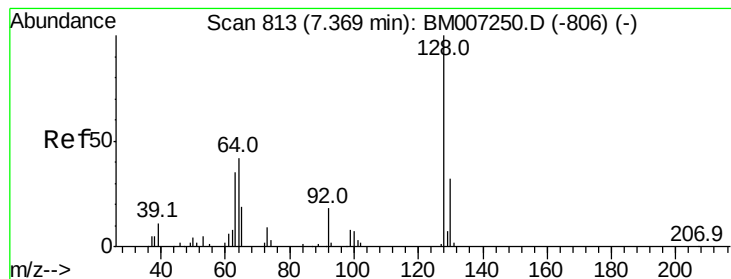
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	93	Resp:	22252
Ion	Ratio	Lower	Upper
93	100		
63	75.2	57.3	85.9
95	30.0	25.1	37.7





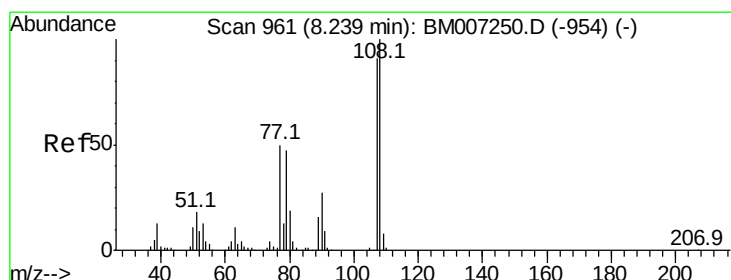
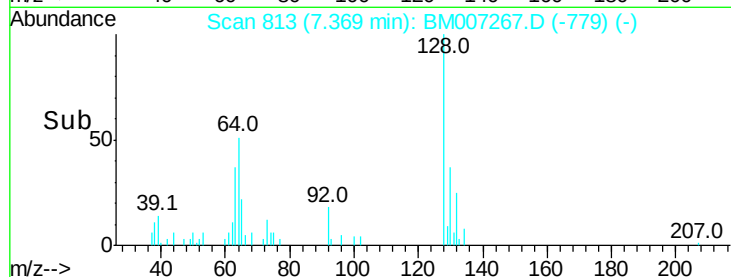
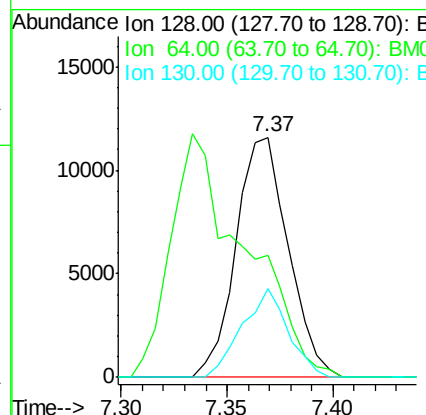
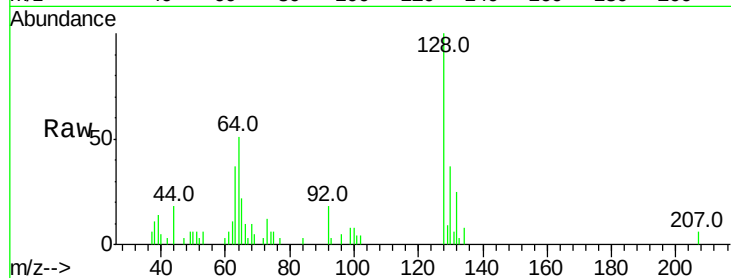
#10
2-Chlorophenol
Concen: 1.81 ng/ul
RT: 7.37 min Scan# 813
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
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ClientSampleId :
MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
128	100		
64	50.6	37.5	56.3
130	37.1	25.0	37.4

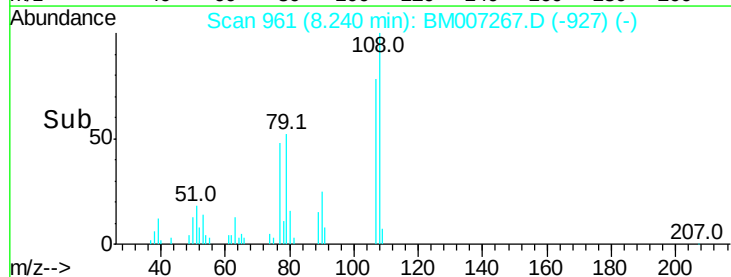
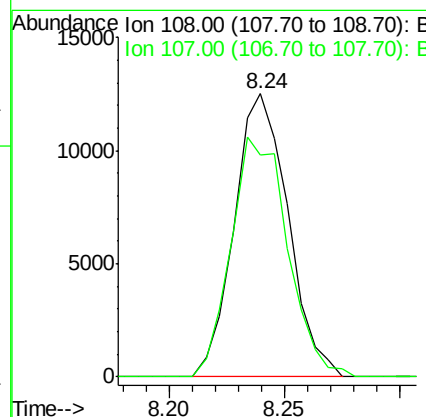
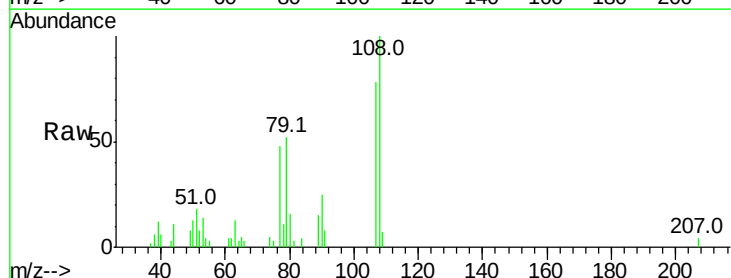
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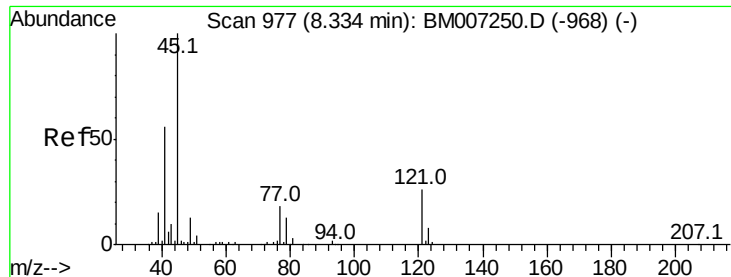
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#11
2-Methylphenol
Concen: 1.72 ng/ul
RT: 8.24 min Scan# 961
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
108	100		
107	78.4	71.8	107.6





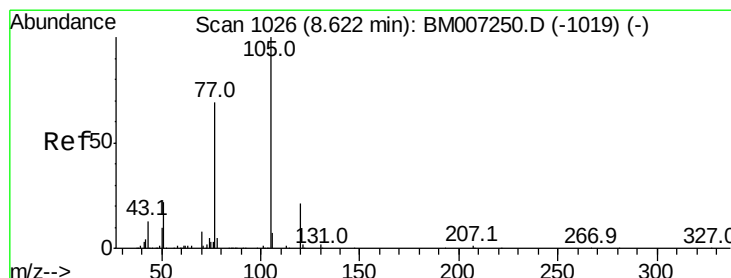
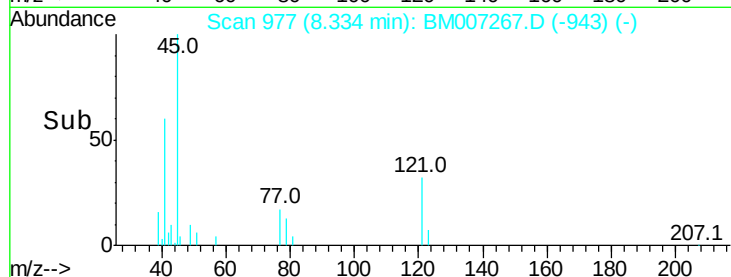
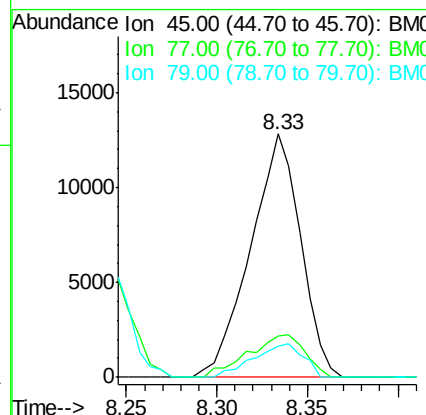
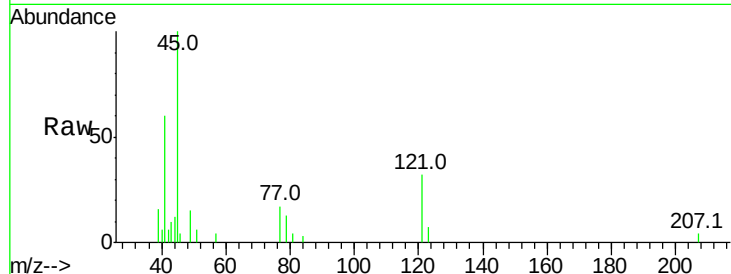
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 2.08 ng/ul
RT: 8.33 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
45	100		
77	17.1	14.1	21.1
79	12.7	10.4	15.6

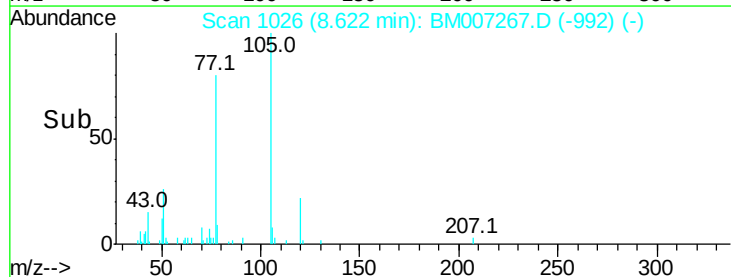
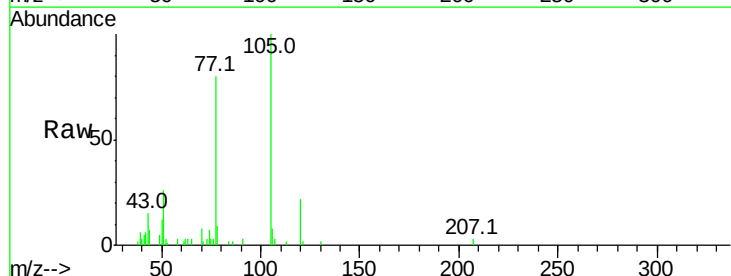
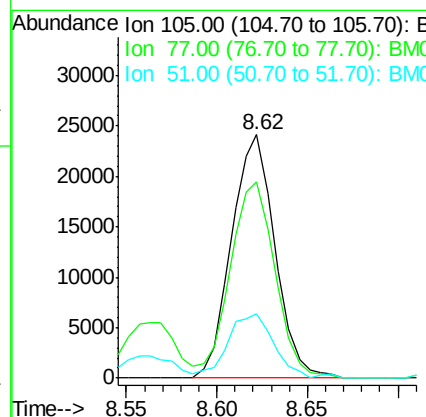
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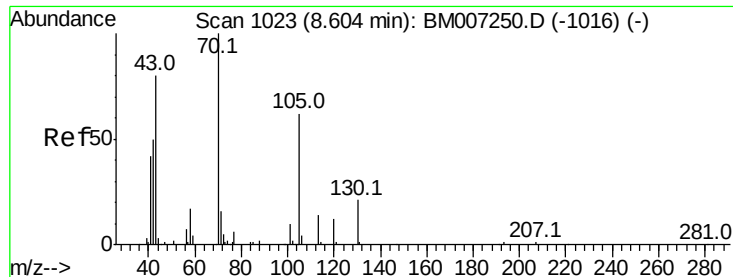
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#14
Acetophenone
Concen: 2.07 ng/ul
RT: 8.62 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
105	100		
77	80.5	65.9	98.9
51	26.4	22.2	33.2





#15

N-Nitroso-di-n-propylamine

Concen: 1.96 ng/ul

RT: 8.60 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

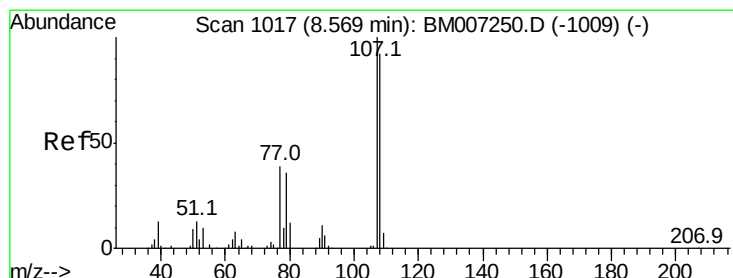
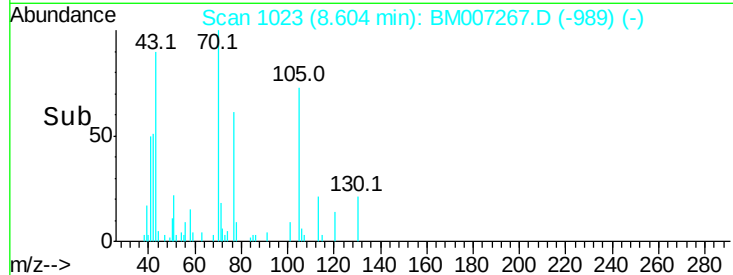
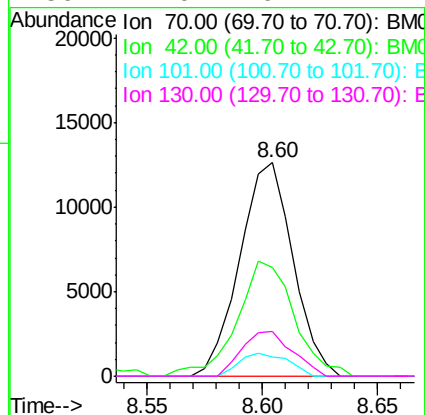
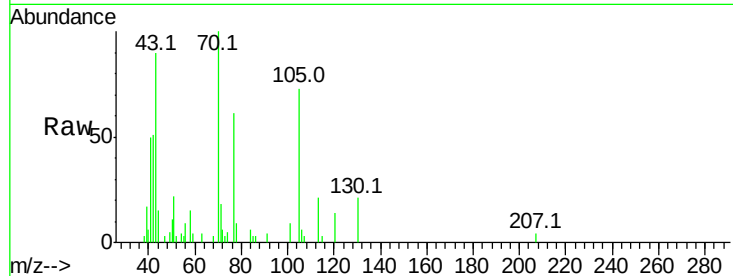
ClientSampleId :

MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.9	43.4	65.2
101	8.9	7.8	11.6
130	21.0	16.2	24.4

Manual Integrations
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#16

4-Methylphenol

Concen: 1.80 ng/ul

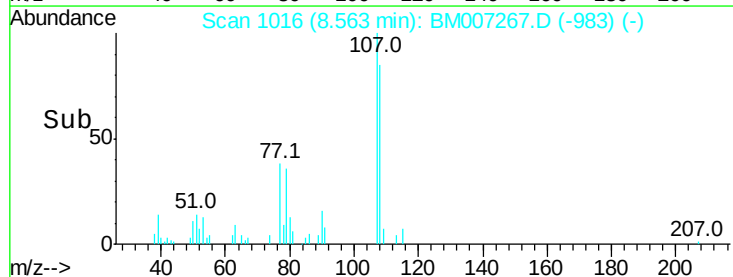
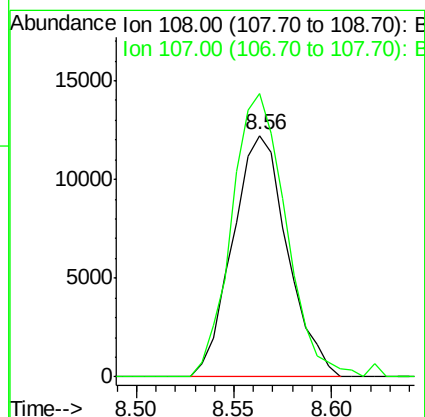
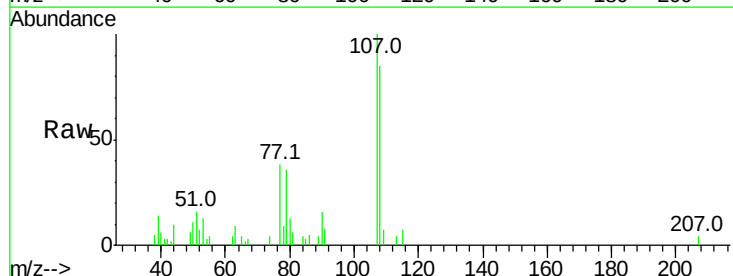
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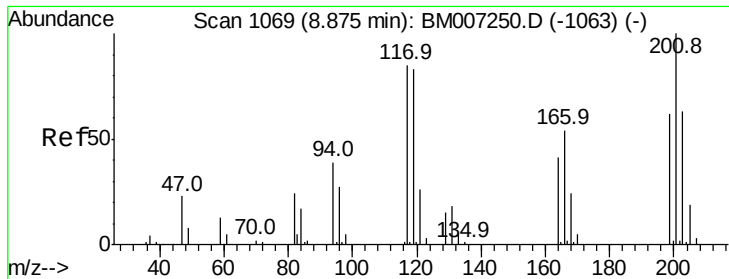
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Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
108	100		
107	117.3	87.8	131.8





#17

Hexachloroethane

Concen: 2.00 ng/ul

RT: 8.87 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

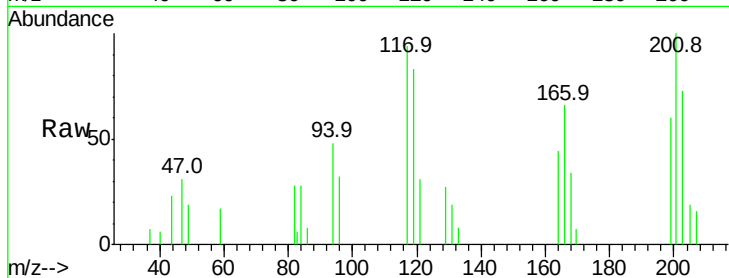
ClientSampleId :

MDL-05-S-ML

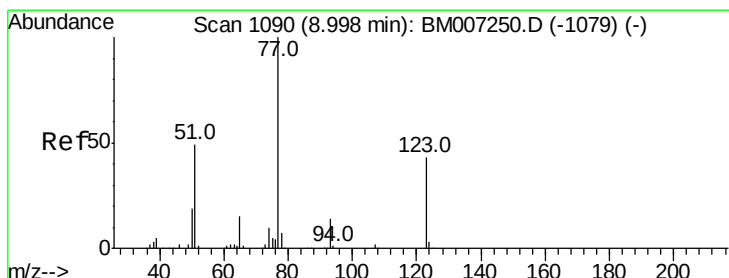
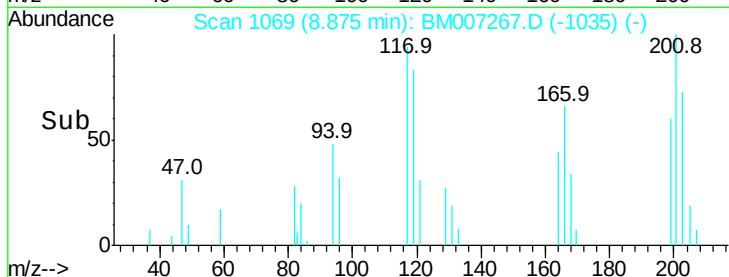
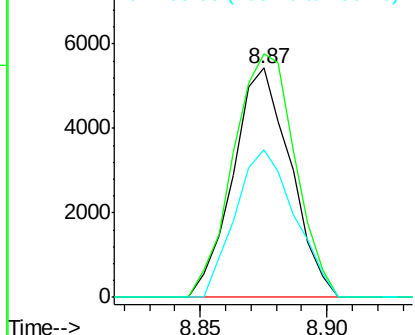
Tot Ion:	117	Resp:	8578
Ion	Ratio	Lower	Upper
117	100		
201	106.2	90.3	135.5
199	64.2	58.5	87.7

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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: 2.06 ng/ul

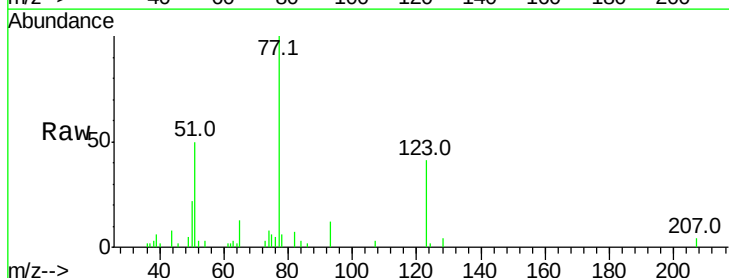
RT: 9.00 min Scan# 1090

Delta R.T. 0.00 min

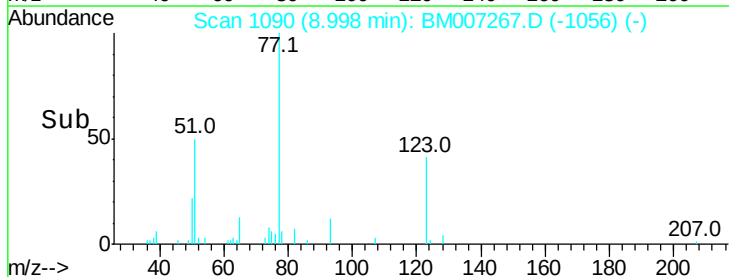
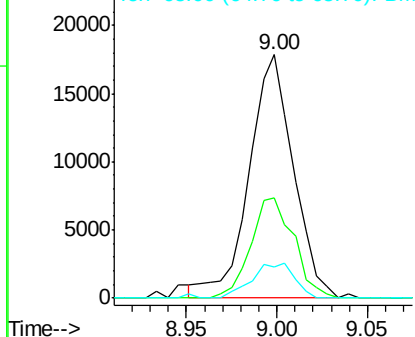
Lab File: BM007267.D

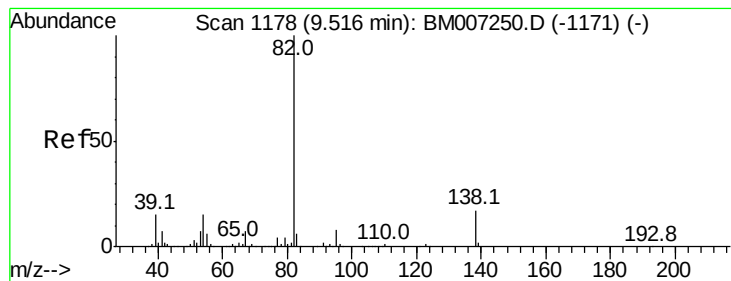
Acq: 24 Aug 2016 00:07

Tgt Ion:	77	Resp:	30342
Ion	Ratio	Lower	Upper
77	100		
123	41.0	34.2	51.4
65	12.8	11.0	16.6



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





#21

Isophorone

Concen: 1.95 ng/ul

RT: 9.52 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

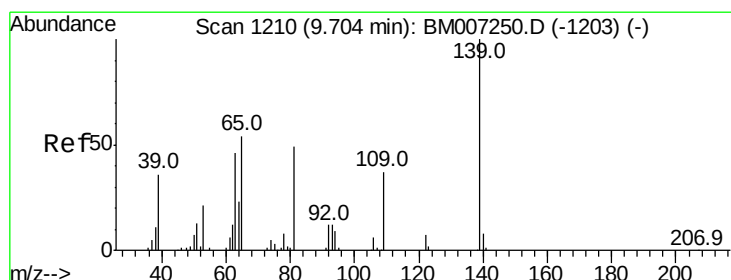
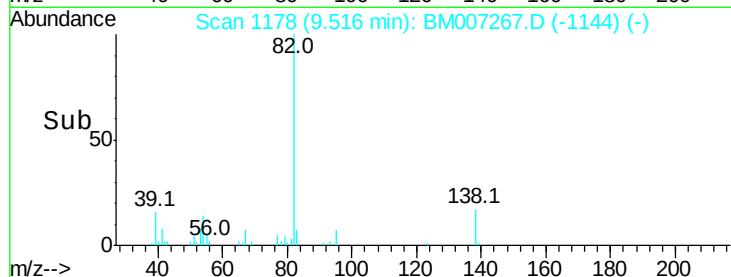
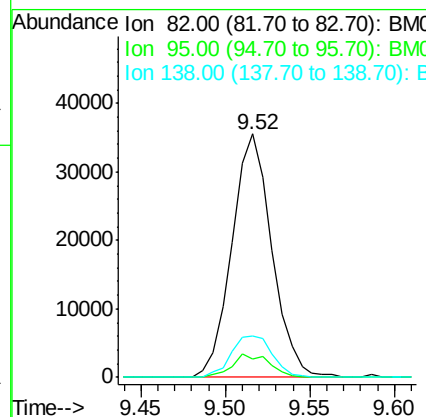
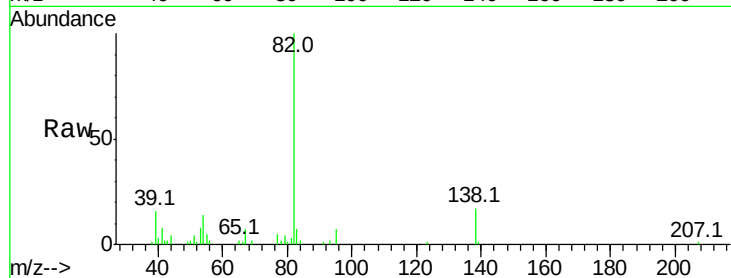
ClientSampleId :

MDL-05-S-ML

Tot Ion:	82	Resp:	58601
Ion Ratio	Lower	Upper	
82	100		
95	7.4	6.9	10.3
138	17.2	13.8	20.8

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#23

2-Nitrophenol

Concen: 2.09 ng/ul

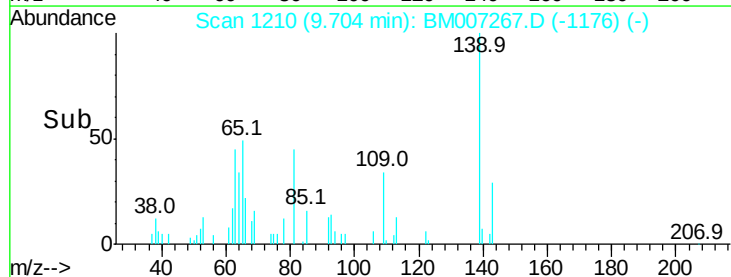
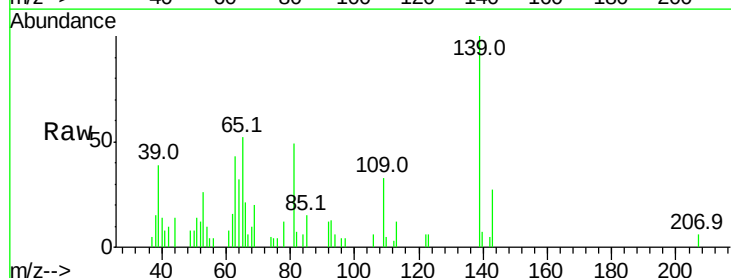
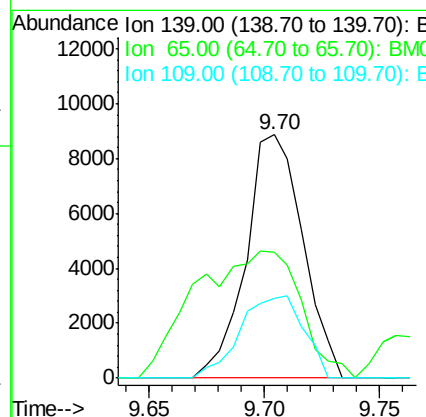
RT: 9.70 min Scan# 1210

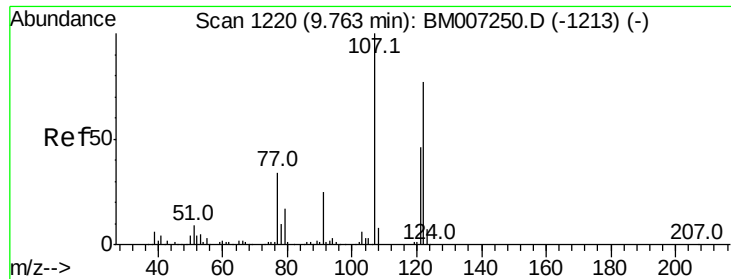
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	139	Resp:	15213
Ion Ratio	Lower	Upper	
139	100		
65	51.9	44.2	66.4
109	32.7	28.2	42.4





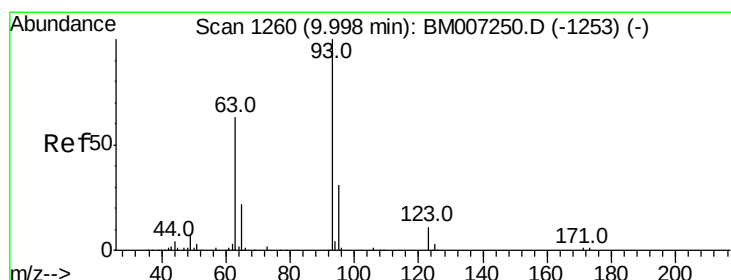
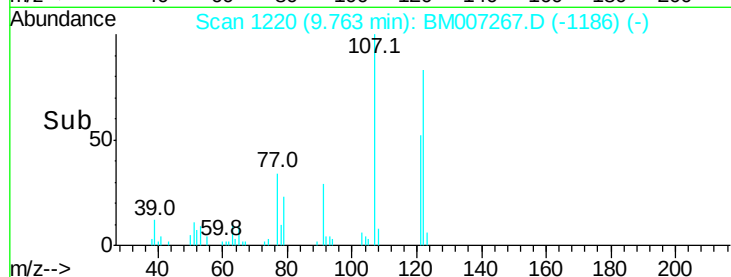
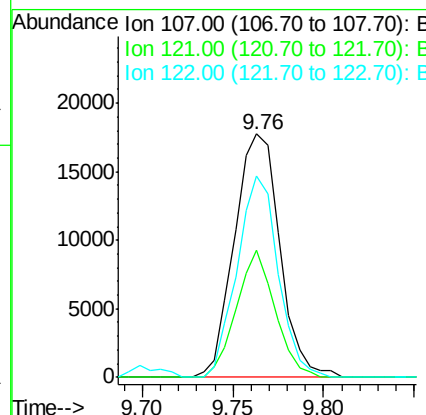
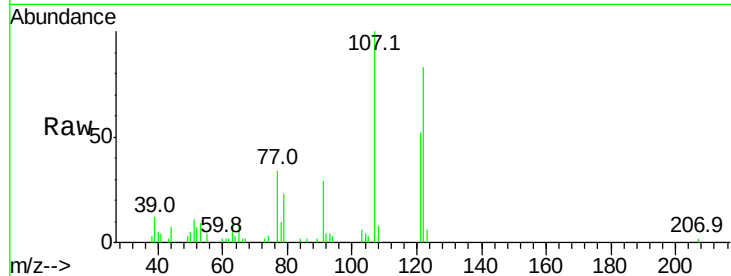
#24
 2,4-Dimethylphenol
 Concen: 1.92 ng/ul
 RT: 9.76 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
107	100	30912		
121	52.2		37.1	55.7
122	82.7		62.8	94.2

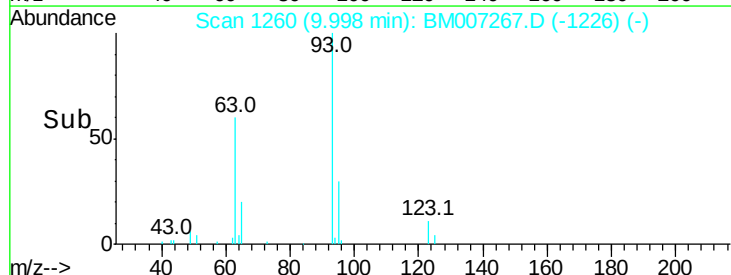
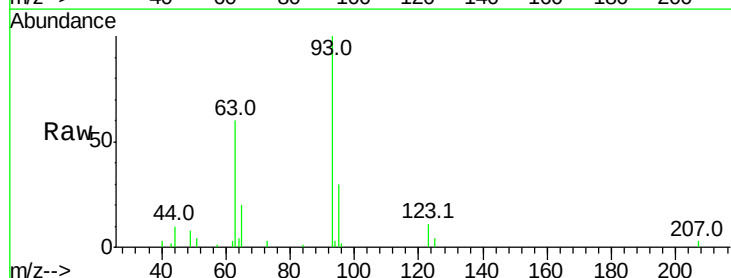
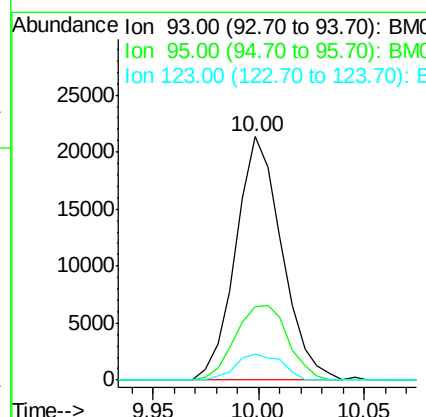
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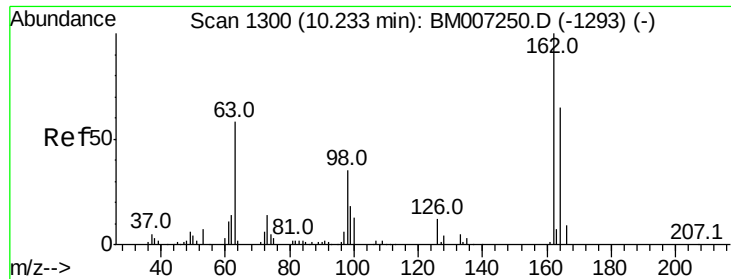
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.91 ng/ul
 RT: 10.00 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	32368		
95	30.0		25.4	38.0
123	10.5		8.3	12.5





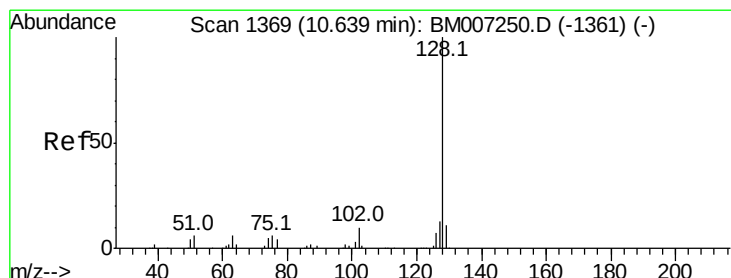
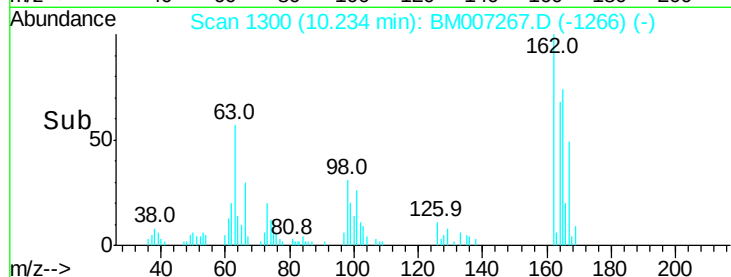
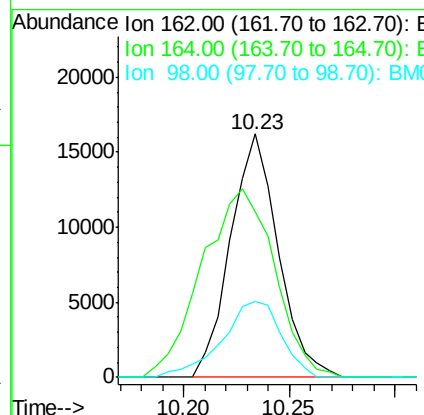
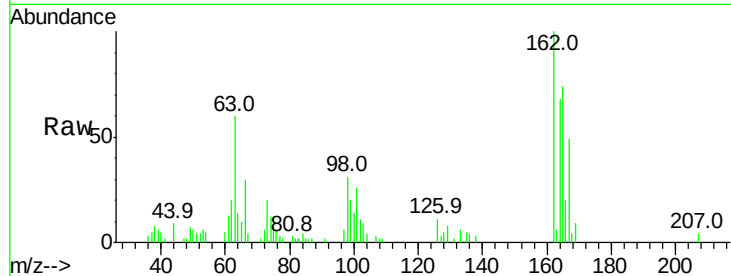
#27
 2,4-Dichlorophenol
 Concen: 1.92 ng/ul
 RT: 10.23 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
162	100	25384		
164	68.2		51.6	77.4
98	31.2		28.4	42.6

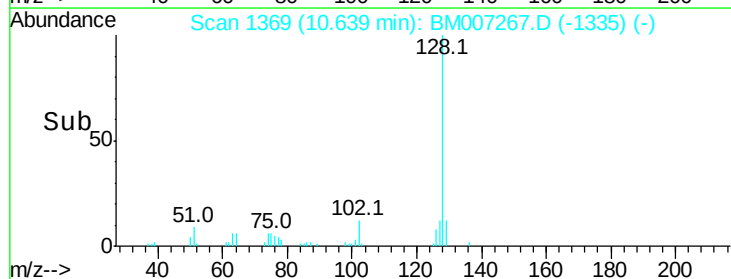
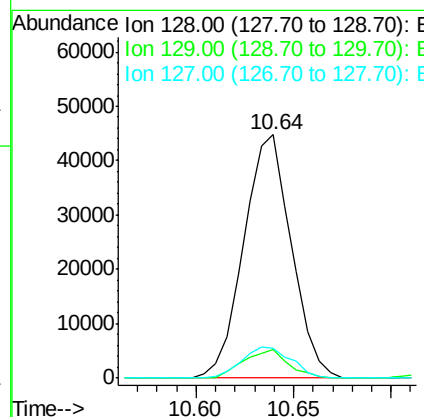
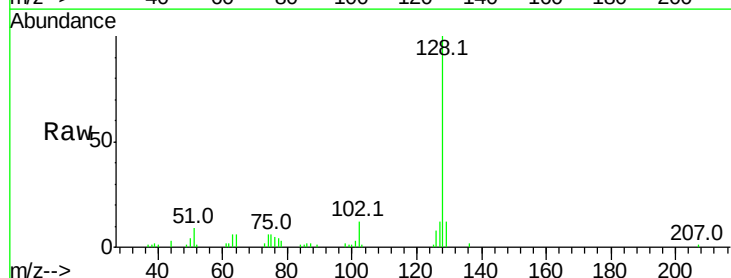
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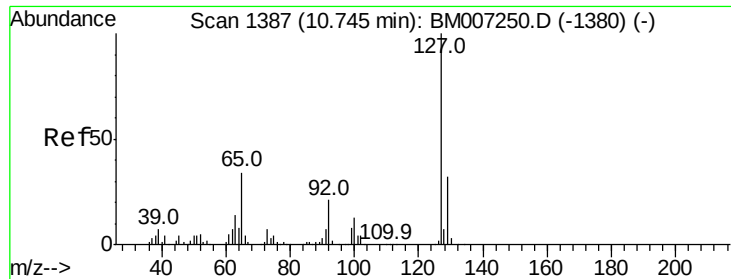
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#28
 Naphthalene
 Concen: 1.94 ng/ul
 RT: 10.64 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	75474		
129	11.8		8.6	12.8
127	12.5		10.6	15.8





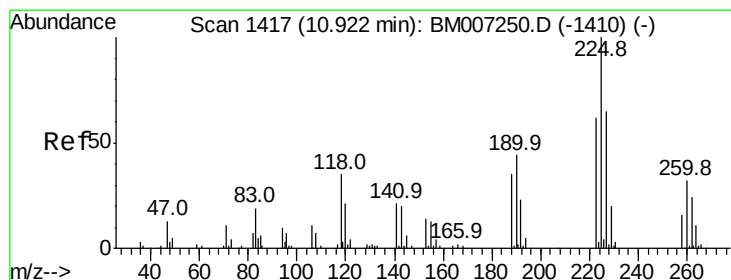
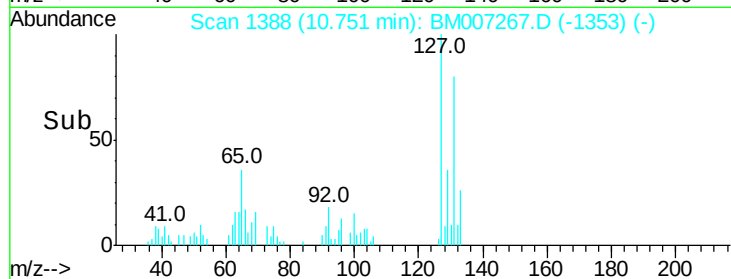
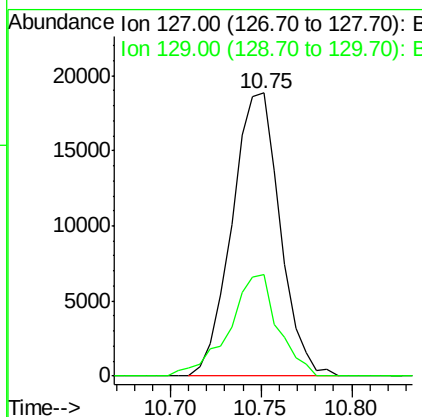
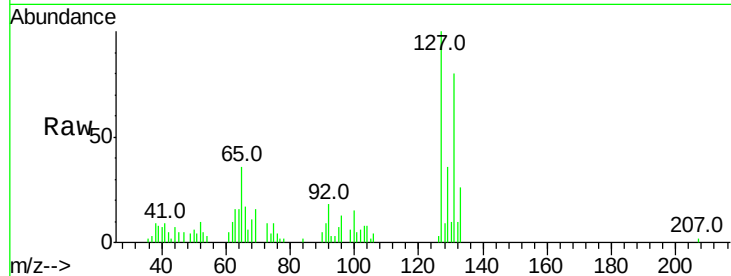
#30
4-Chloroaniline
Concen: 2.03 ng/ul
RT: 10.75 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampleId :
MDL-05-S-ML

Tot Ion:127 Resp: 34716
Ion Ratio Lower Upper
127 100
129 35.9 24.6 37.0

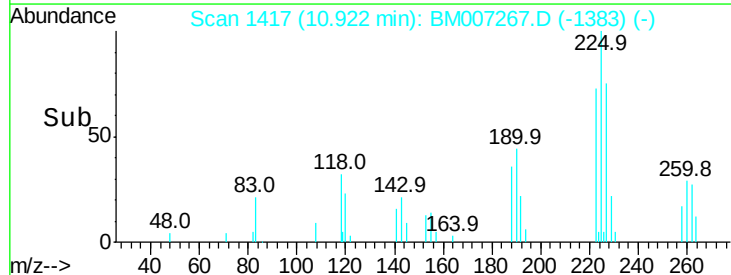
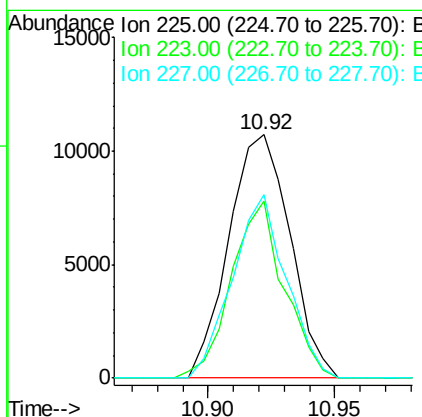
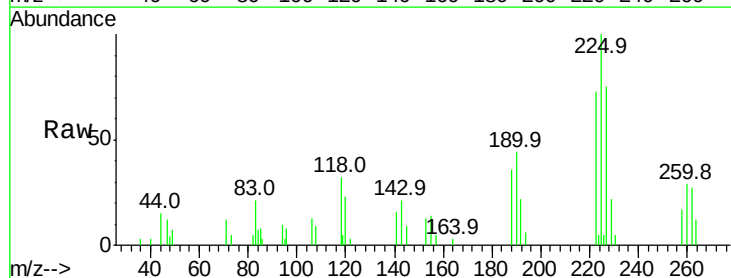
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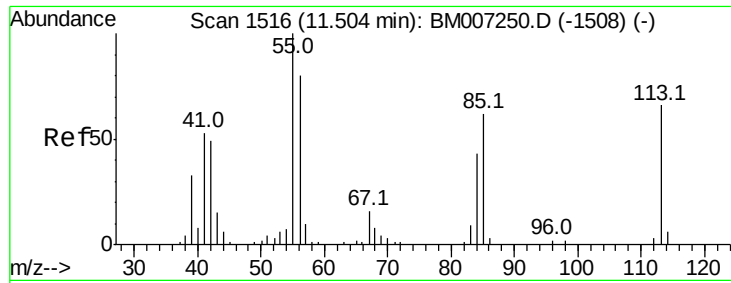
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#31
Hexachlorobutadiene
Concen: 2.01 ng/ul
RT: 10.92 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion:225 Resp: 17970
Ion Ratio Lower Upper
225 100
223 72.5 51.2 76.8
227 75.3 52.5 78.7





#32

Caprolactam

Concen: 1.97 ng/ul m

RT: 11.53 min Scan# 1520

Delta R.T. 0.02 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-05-S-ML

Tot Ion:113 Resp: 10531

Ion Ratio Lower Upper

113 100

55 123.1 121.9 182.9

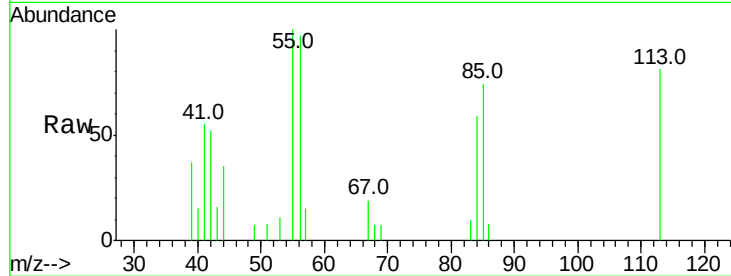
56 119.8 97.4 146.0

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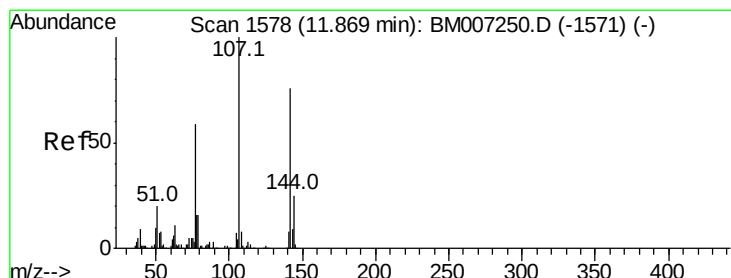
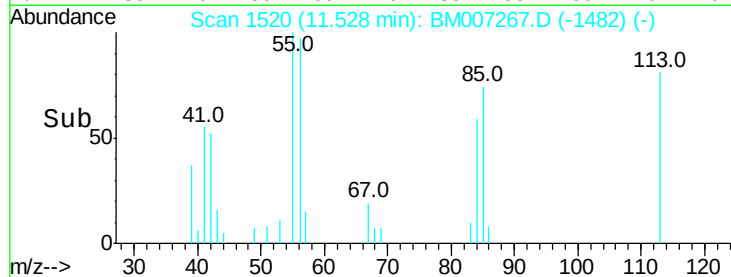
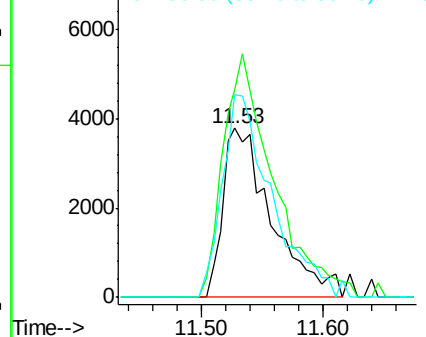
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#33

4-Chloro-3-methylphenol

Concen: 1.75 ng/ul

RT: 11.87 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

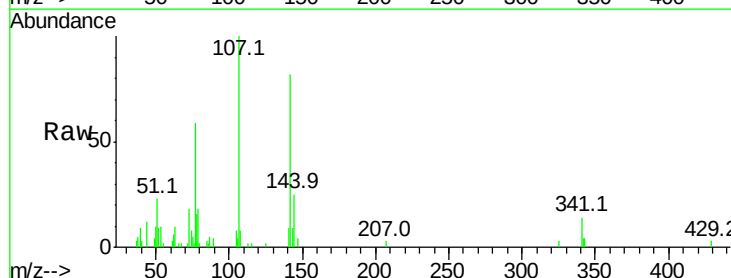
Tgt Ion:107 Resp: 28693

Ion Ratio Lower Upper

107 100

144 24.7 21.1 31.7

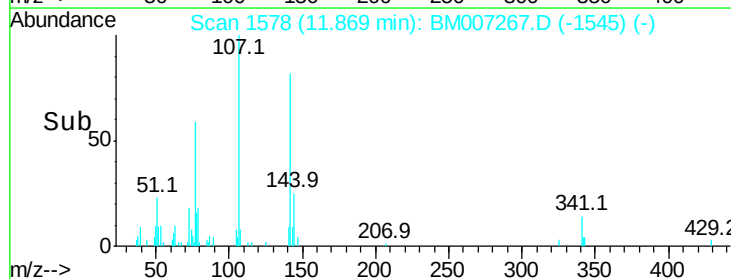
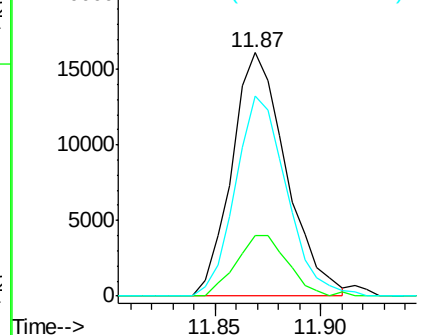
142 82.0 64.1 96.1

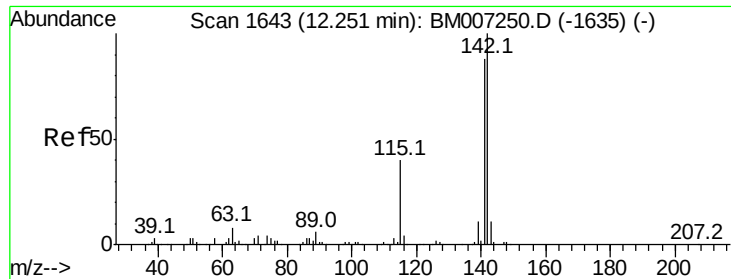


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#34

2-Methylnaphthalene

Concen: 1.98 ng/ul

RT: 12.25 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-05-S-ML

Tot Ion:142 Resp: 63037

Ion Ratio Lower Upper

142 100

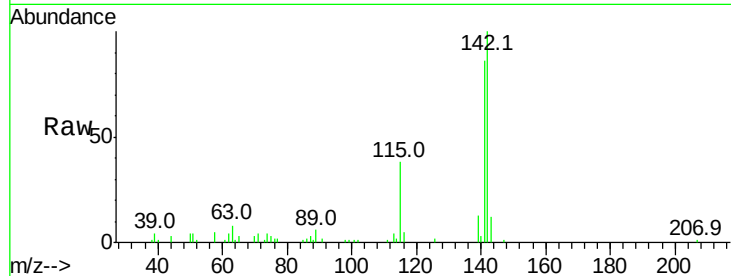
141 85.6 71.3 106.9

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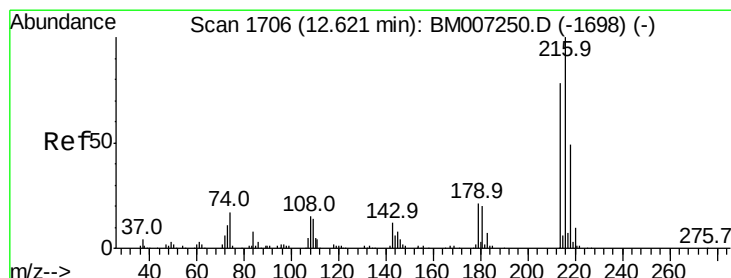
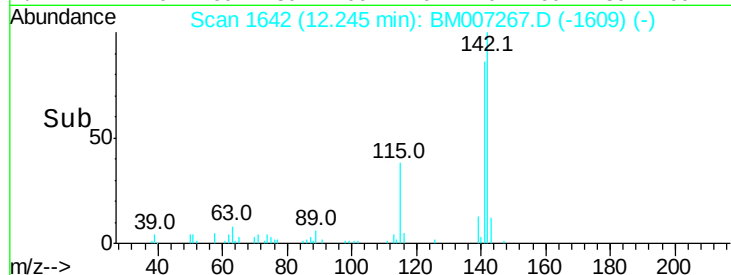
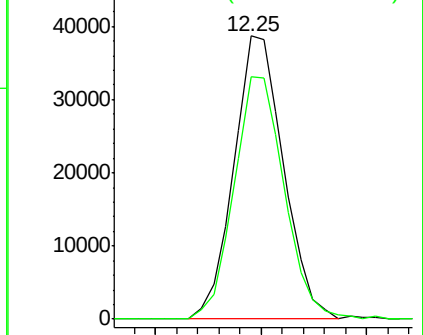
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 1.92 ng/ul

RT: 12.62 min Scan# 1705

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:216 Resp: 37437

Ion Ratio Lower Upper

216 100

214 79.1 64.8 97.2

179 19.8 16.7 25.1

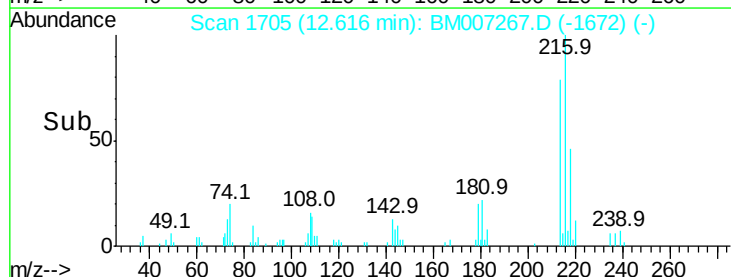
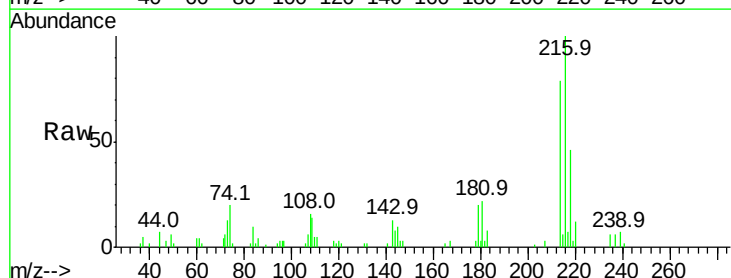
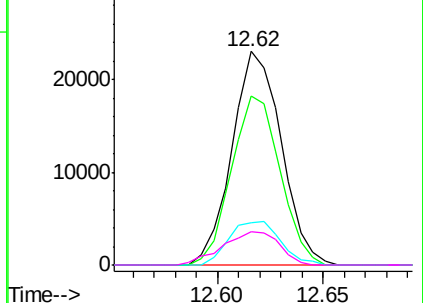
108 15.6 13.2 19.8

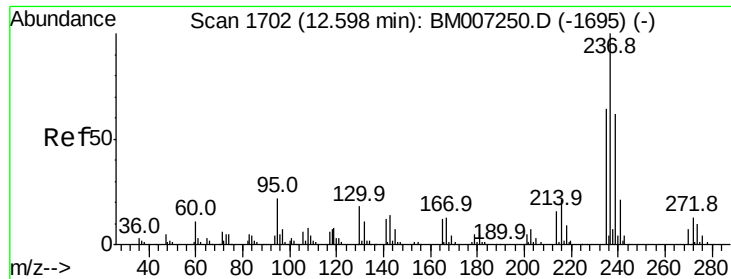
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#37

Hexachlorocyclopentadiene

Concen: 1.50 ng/ul

RT: 12.60 min Scan# 1702

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

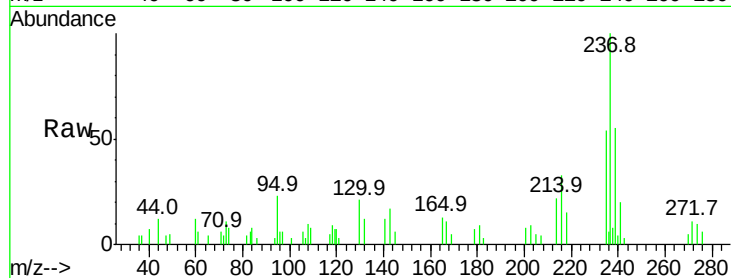
ClientSampleId :

MDL-05-S-ML

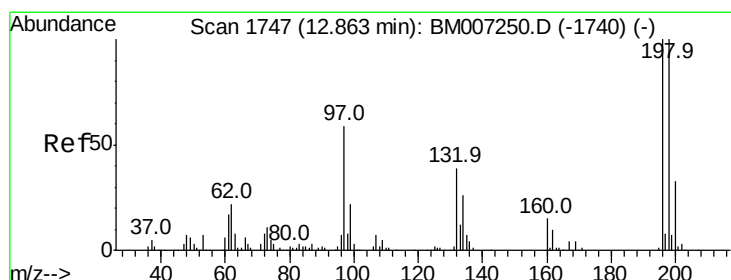
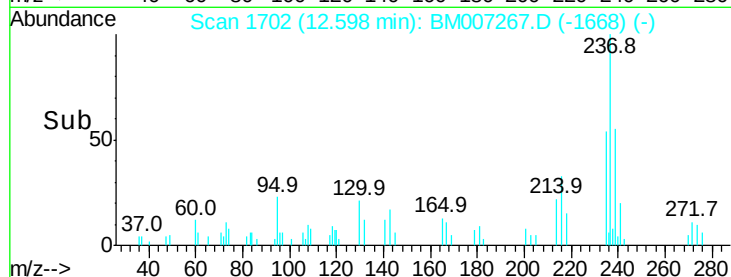
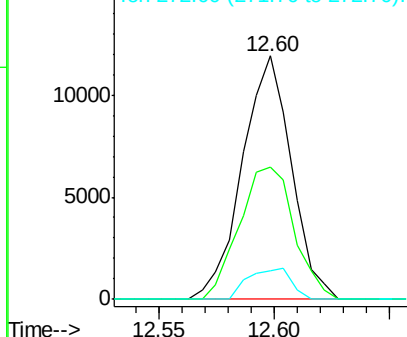
Tot Ion:	237	Resp:	17654
Ion Ratio		Lower	Upper
237	100		
235	50.1	49.6	74.4
272	10.6	10.4	15.6

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Abundance Ion 237.00 (236.70 to 237.70): E
Ion 235.00 (234.70 to 235.70): E
Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 1.67 ng/ul

RT: 12.86 min Scan# 1747

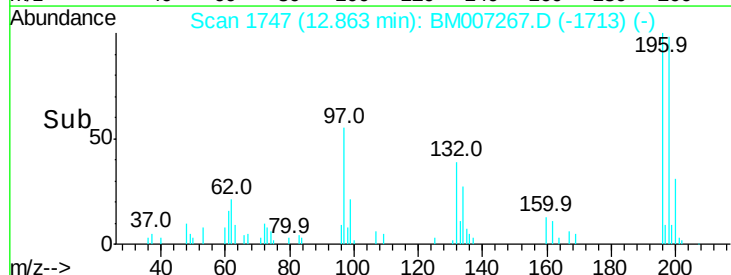
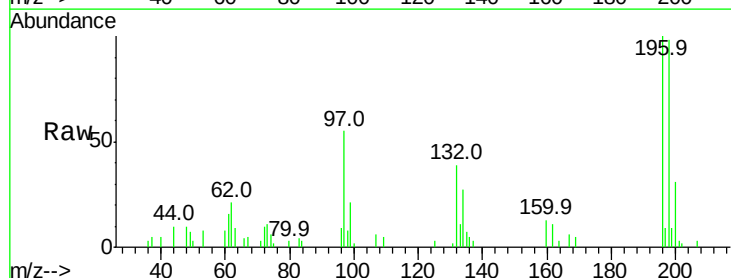
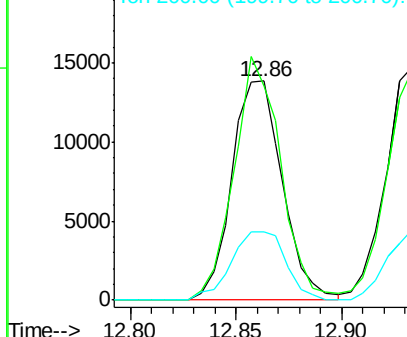
Delta R.T. 0.00 min

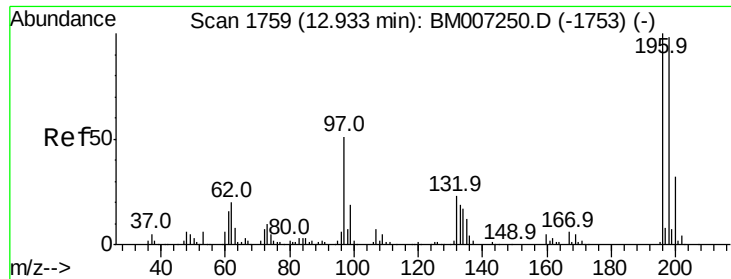
Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	196	Resp:	22986
Ion Ratio		Lower	Upper
196	100		
198	97.8	76.9	115.3
200	30.9	25.1	37.7

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





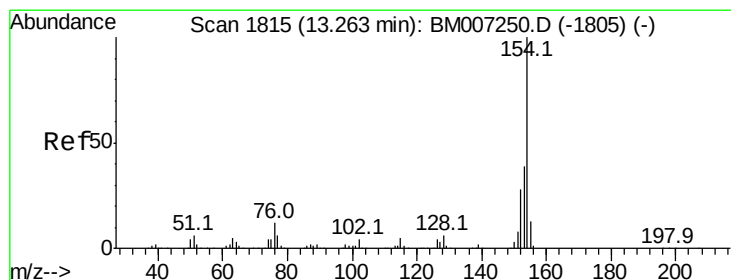
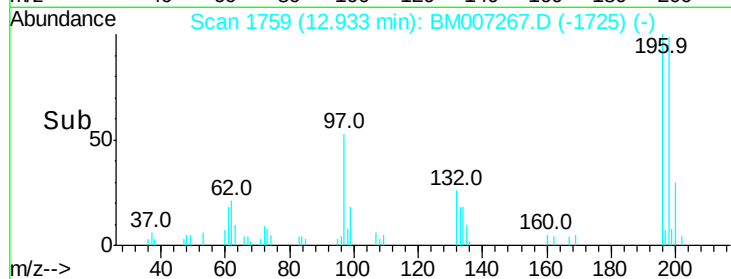
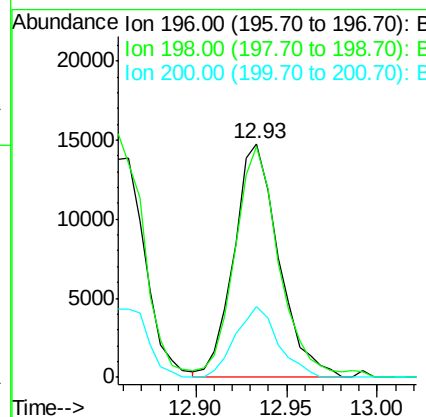
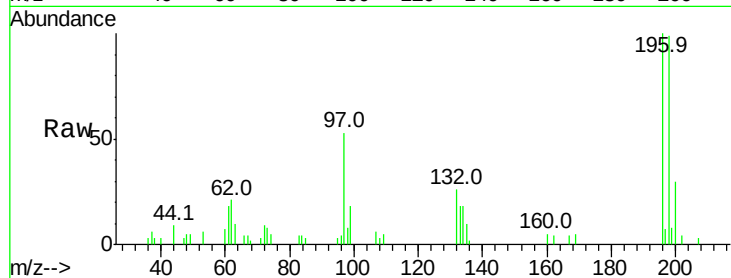
#39
 2,4,5-Trichlorophenol
 Concen: 1.77 ng/ul
 RT: 12.93 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampled :
 MDL-05-S-ML

Tot Ion:	196	Resp:	25494
Ion Ratio	Lower	Upper	
196	100		
198	98.8	76.8	115.2
200	30.2	27.0	40.4

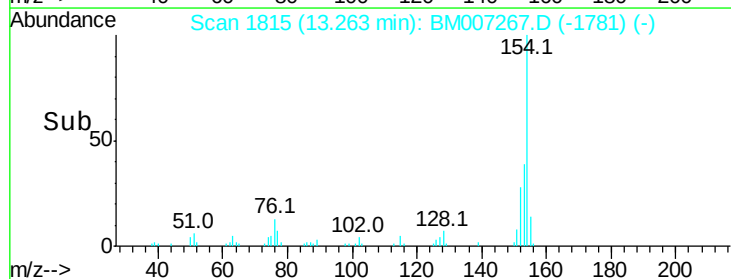
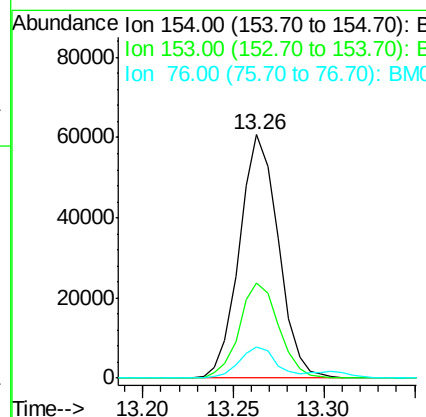
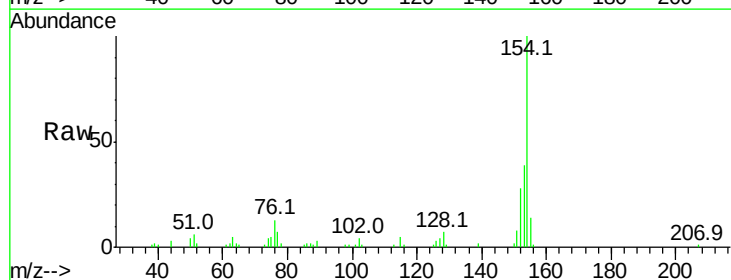
Manual Integrations
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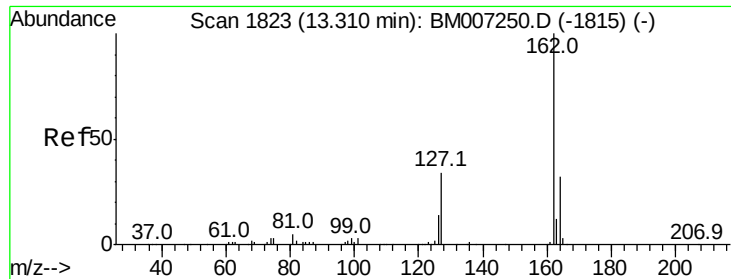
sohil
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#40
 1,1'-Biphenyl
 Concen: 2.00 ng/ul
 RT: 13.26 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion:	154	Resp:	90737
Ion Ratio	Lower	Upper	
154	100		
153	39.0	31.3	46.9
76	13.0	10.0	15.0





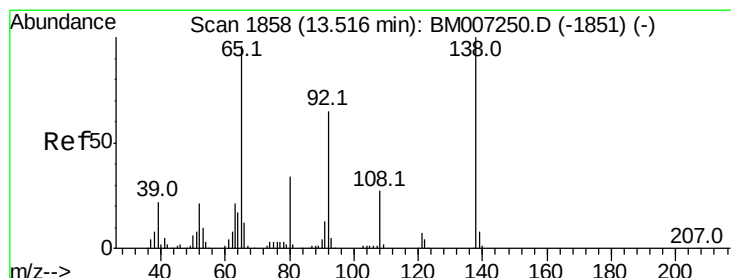
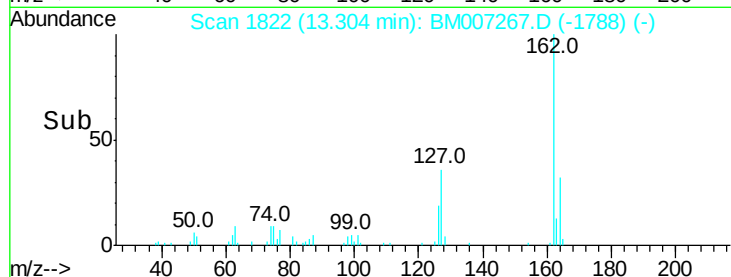
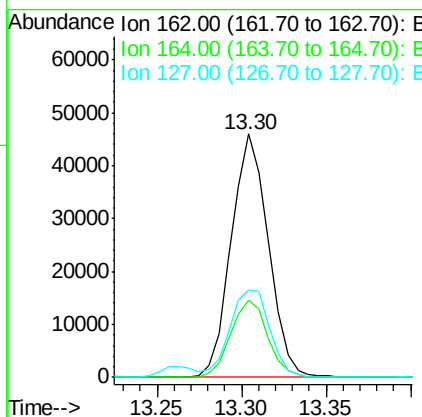
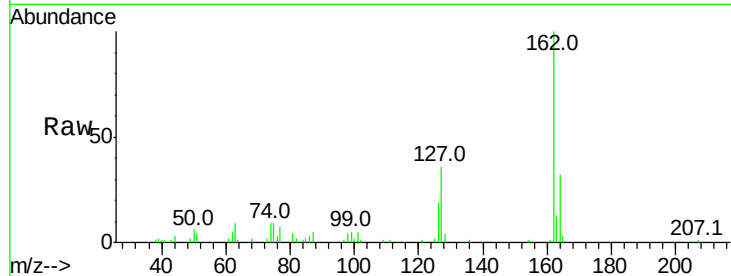
#41
2-Chloronaphthalene
Concen: 1.98 ng/ul
RT: 13.30 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampleId :
MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
162	100		
164	31.8	26.9	40.3
127	35.9	31.2	46.8

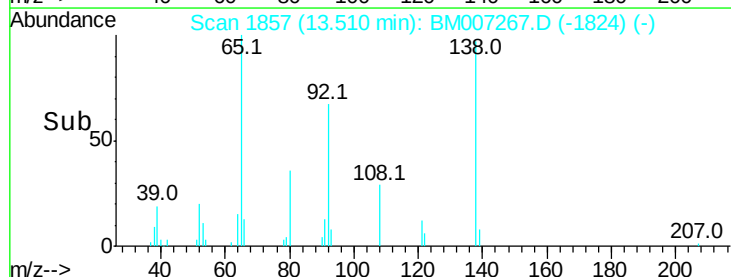
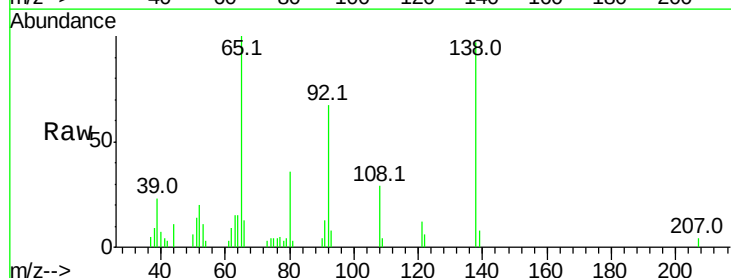
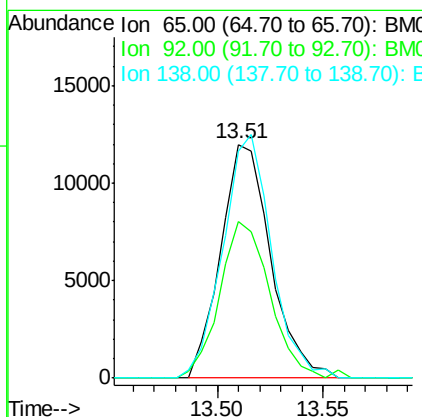
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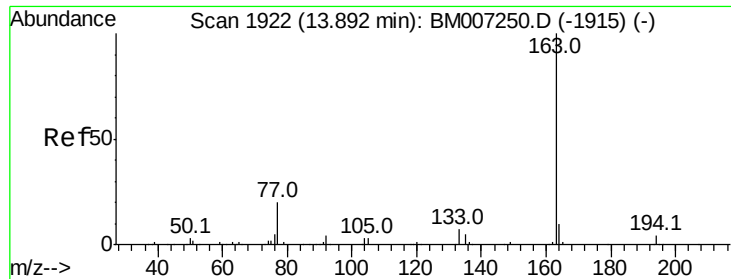
sohil
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#42
2-Nitroaniline
Concen: 1.70 ng/ul
RT: 13.51 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.3	55.6	83.4
138	97.3	81.3	121.9





#44

Dimethylphthalate

Concen: 2.23 ng/ul

RT: 13.89 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

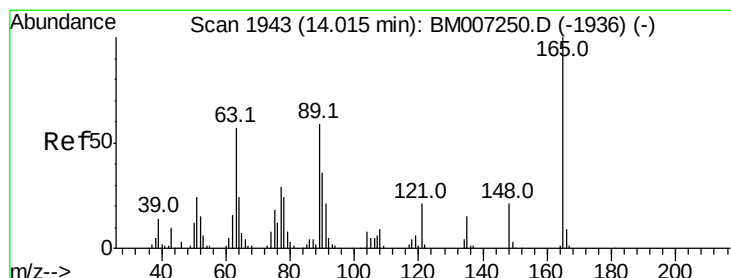
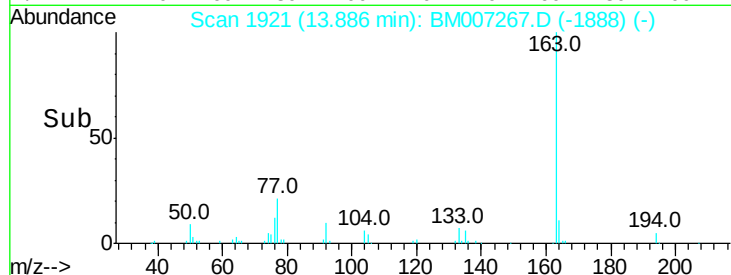
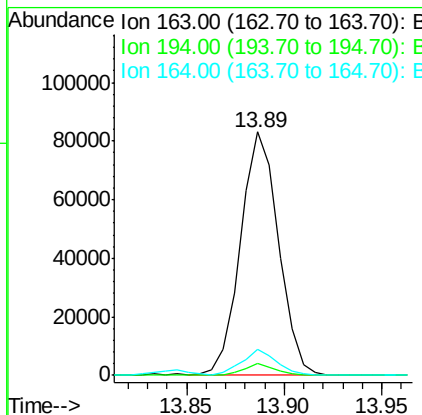
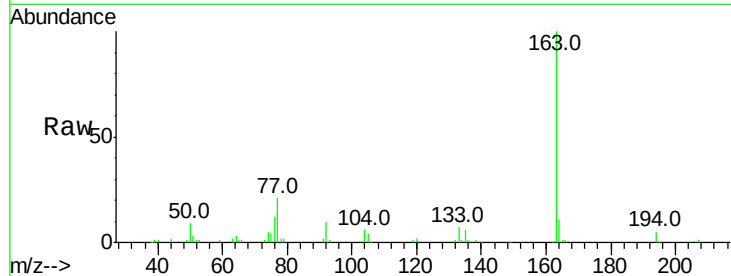
ClientSampled :

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Tot Ion:	163	Resp:	112282
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.4	5.2
164	10.7	7.8	11.8

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#45

2,6-Dinitrotoluene

Concen: 1.76 ng/ul

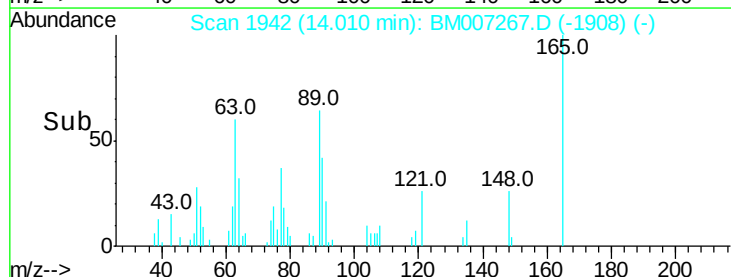
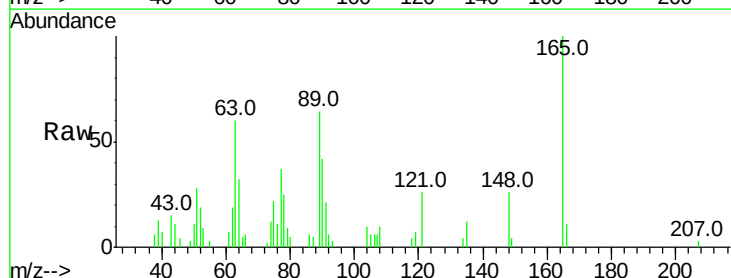
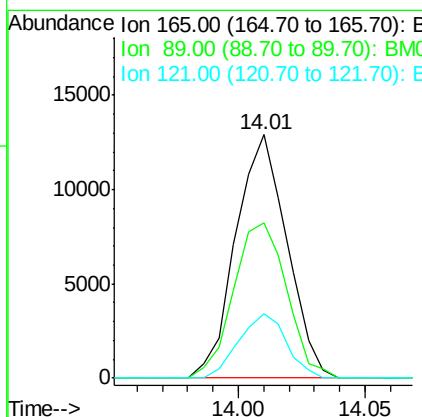
RT: 14.01 min Scan# 1942

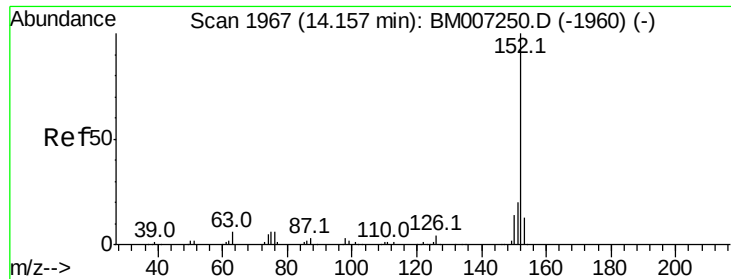
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	165	Resp:	18127
Ion Ratio	Lower	Upper	
165	100		
89	63.6	46.6	69.8
121	26.5	16.0	24.0#





#47

Acenaphthylene

Concen: 2.01 ng/ul

RT: 14.15 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

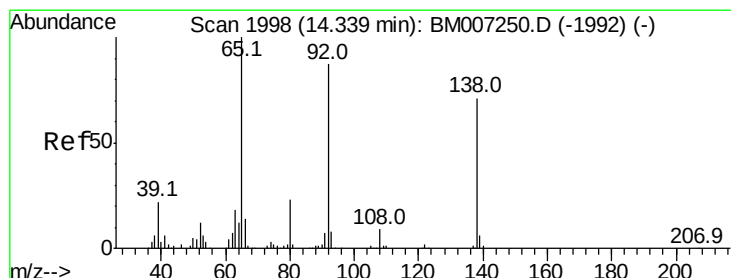
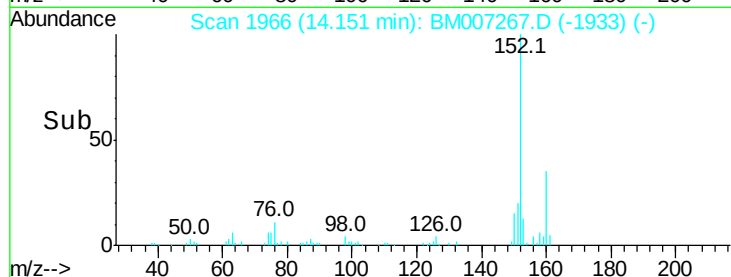
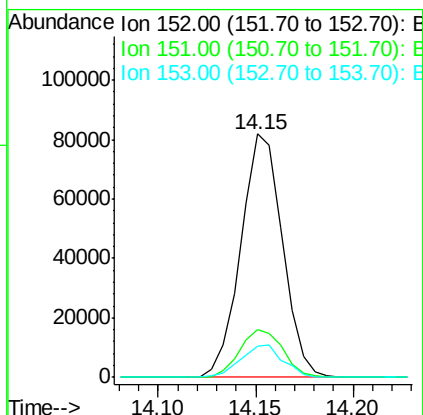
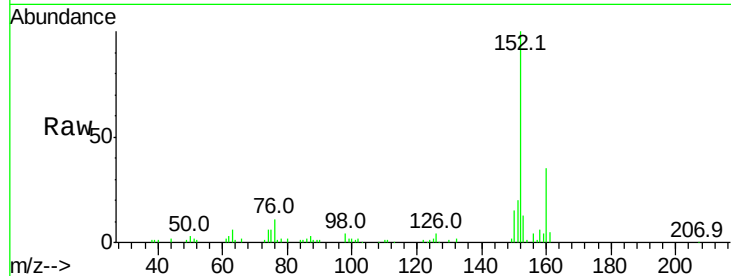
ClientSampled :

MDL-05-S-ML

Tot Ion:	152	Resp:	121291
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	12.6	11.0	16.6

Manual Integrations
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#48

3-Nitroaniline

Concen: 1.76 ng/ul

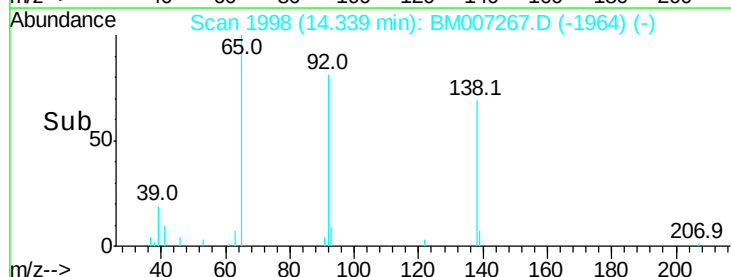
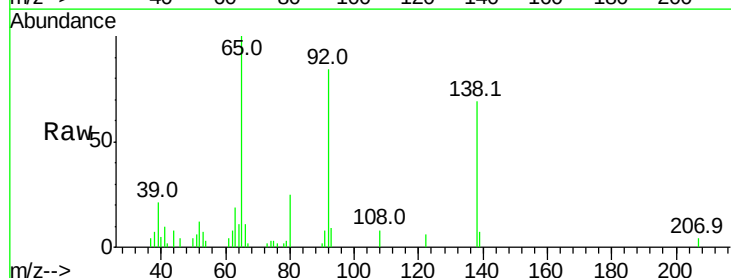
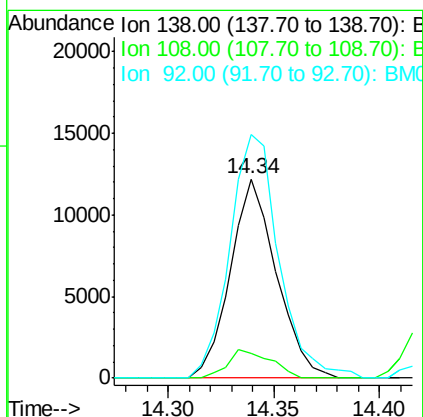
RT: 14.34 min Scan# 1998

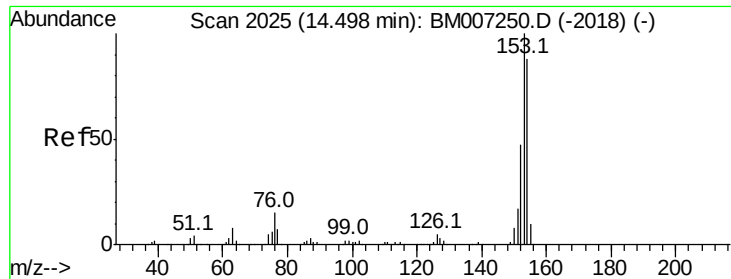
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	138	Resp:	18518
Ion Ratio	Lower	Upper	
138	100		
108	12.1	9.4	14.0
92	122.2	96.6	145.0





#49

Acenaphthene

Concen: 1.98 ng/ul

RT: 14.49 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

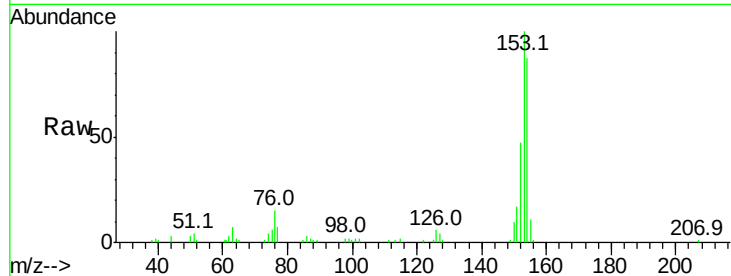
ClientSampleId :

MDL-05-S-ML

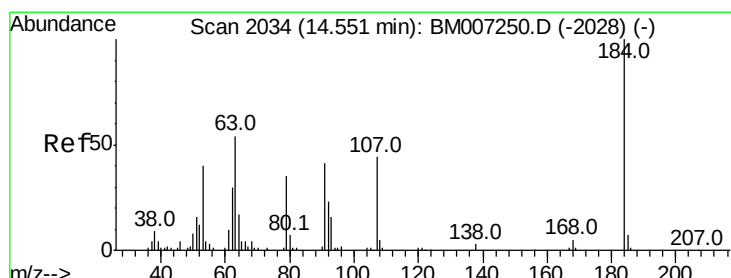
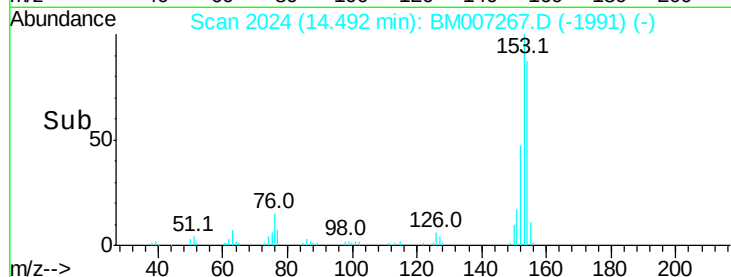
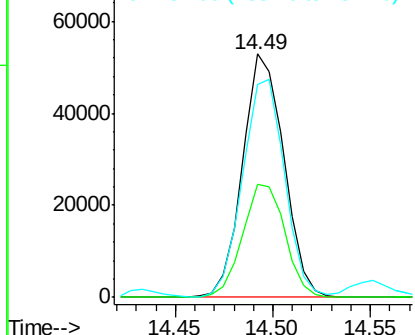
Tot Ion:153	Resp:	77702
Ion Ratio	Lower	Upper
153	100	
152	46.6	37.8 56.6
154	87.4	71.4 107.0

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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



#50

2,4-Dinitrophenol

Concen: 1.27 ng/ul

RT: 14.55 min Scan# 2034

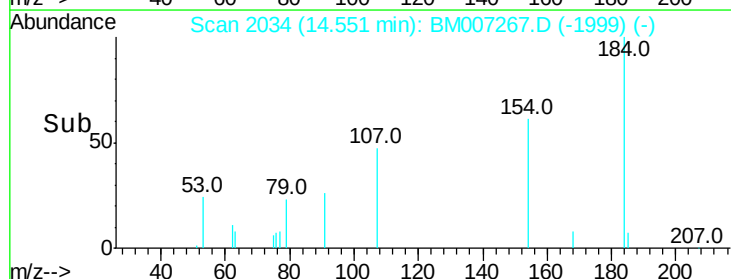
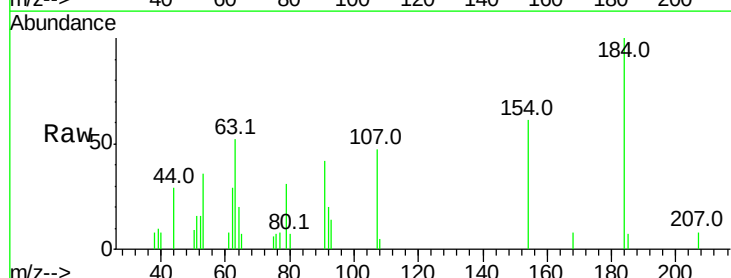
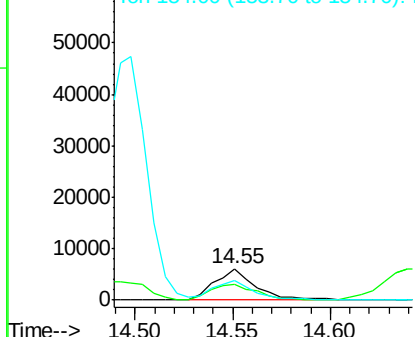
Delta R.T. 0.01 min

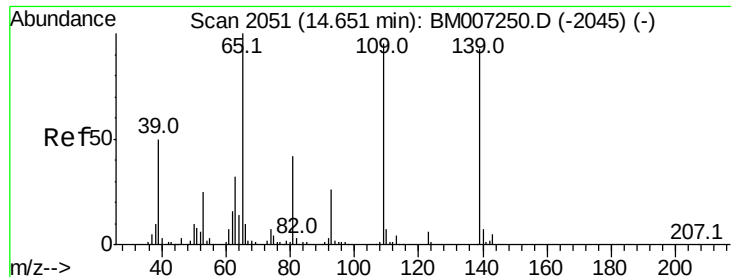
Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:184	Resp:	8859
Ion Ratio	Lower	Upper
184	100	
63	52.0	43.4 65.0
154	61.2	48.2 72.4

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 2.22 ng/ul

RT: 14.65 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

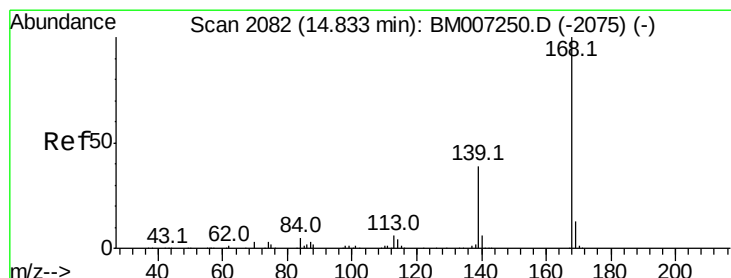
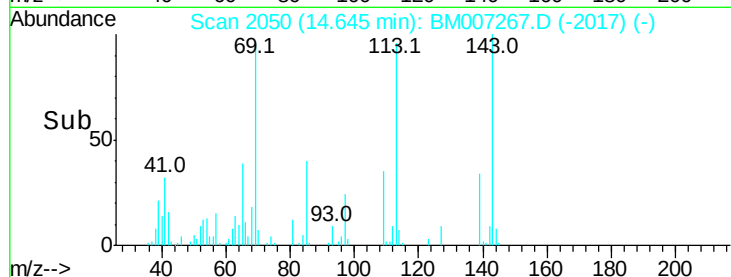
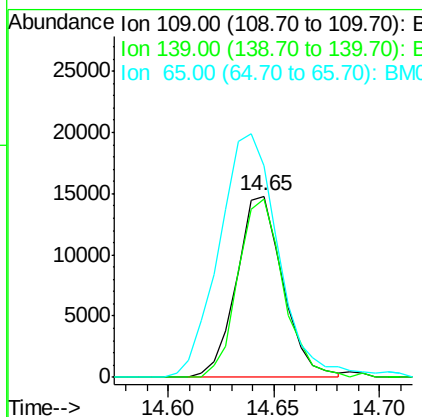
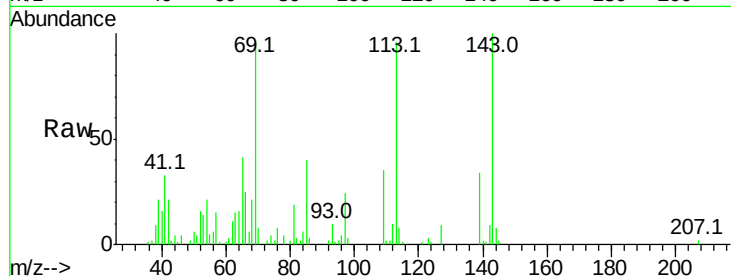
ClientSampled :

MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
109	100		
139	98.3	88.7	133.1
65	116.8	96.4	144.6

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#53

Dibenzofuran

Concen: 2.06 ng/ul

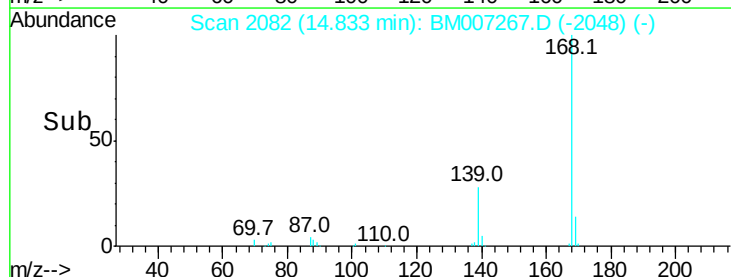
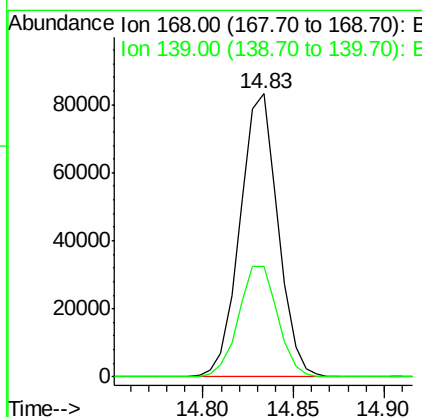
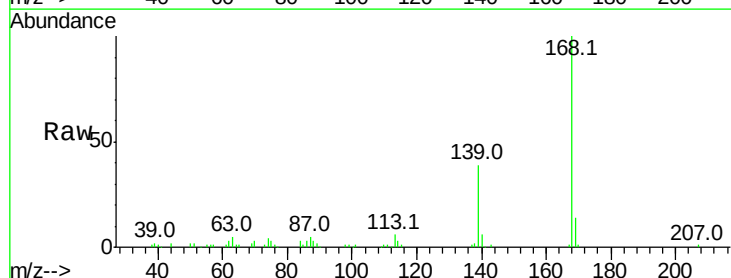
RT: 14.83 min Scan# 2082

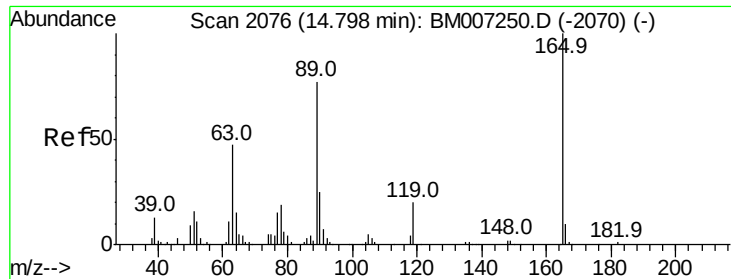
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.1	45.1





#54

2,4-Dinitrotoluene

Concen: 2.02 ng/ul

RT: 14.80 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

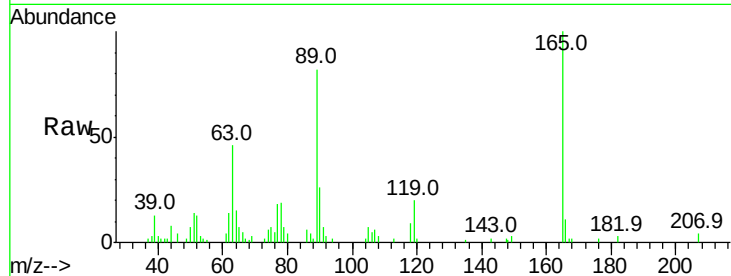
ClientSampleId :

MDL-05-S-ML

Tot Ion:	165	Resp:	31903
Ion Ratio	Lower	Upper	
165	100		
63	45.8	36.2	54.2
182	3.3	2.2	3.4

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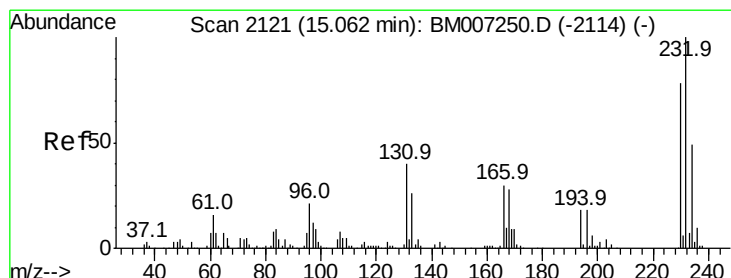
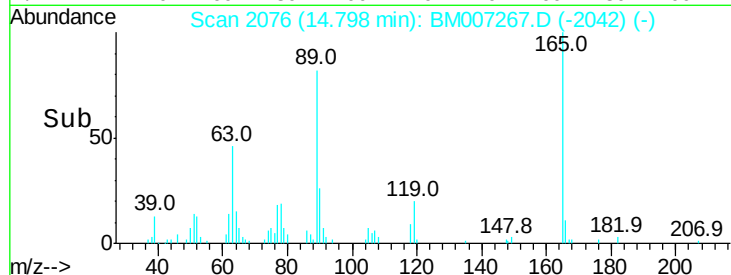
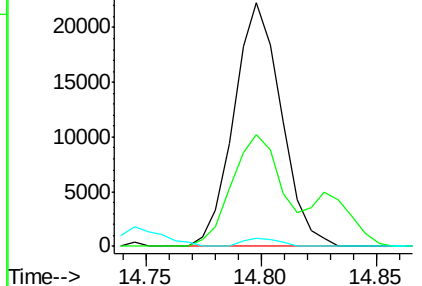
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.92 ng/ul

RT: 15.06 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

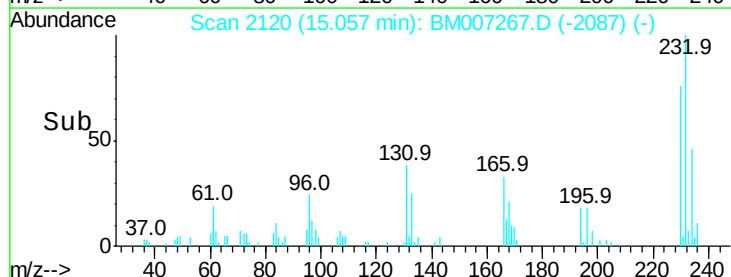
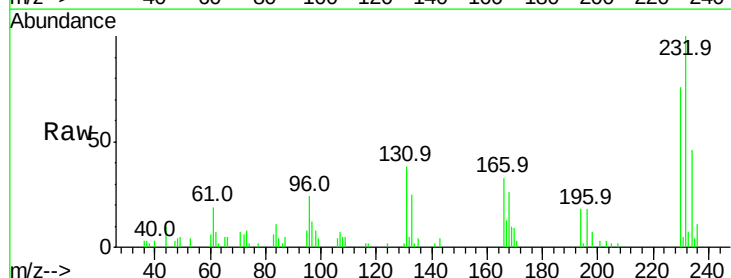
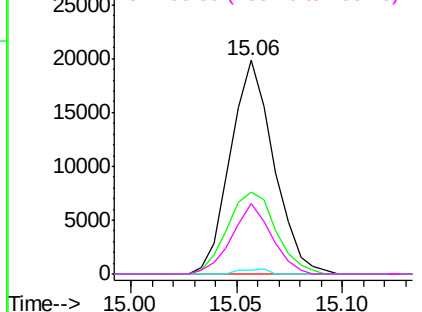
Tgt Ion:	232	Resp:	28261
Ion Ratio	Lower	Upper	
232	100		
131	38.2	31.4	47.0
130	1.7	1.6	2.4
166	32.7	22.6	33.8

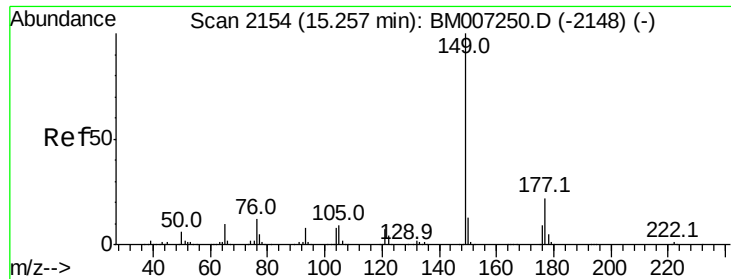
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#56

Diethylphthalate

Concen: 2.18 ng/ul

RT: 15.26 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

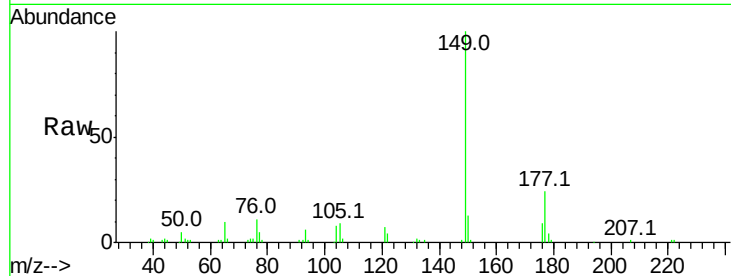
ClientSampleId :

MDL-05-S-ML

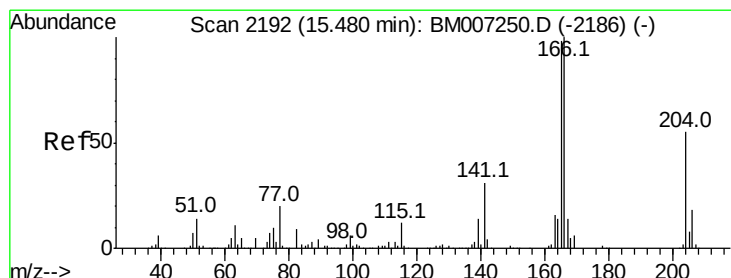
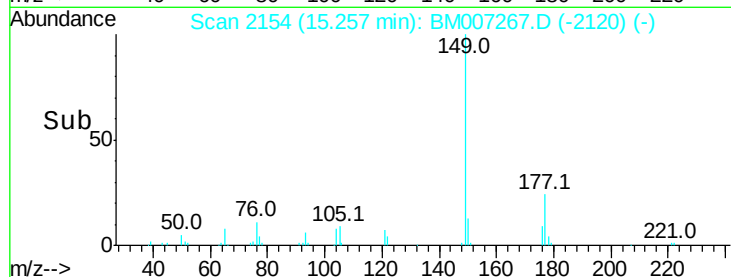
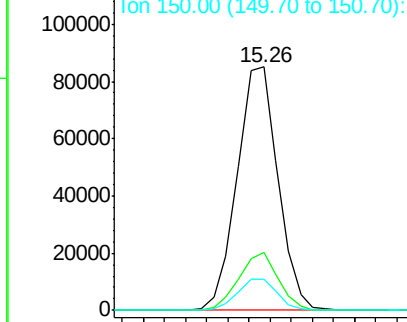
Tot Ion:	149	Resp:	114133
Ion Ratio	Lower	Upper	
149	100		
177	23.8	18.6	28.0
150	13.0	10.0	15.0

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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: 2.19 ng/ul

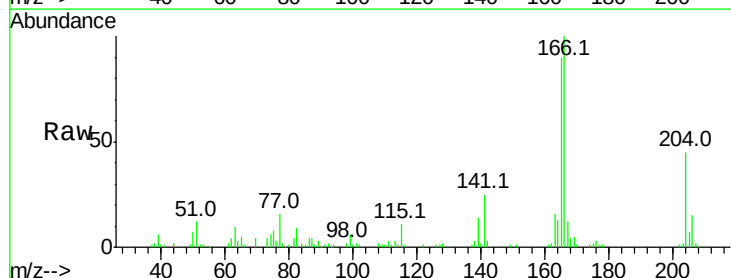
RT: 15.48 min Scan# 2192

Delta R.T. 0.00 min

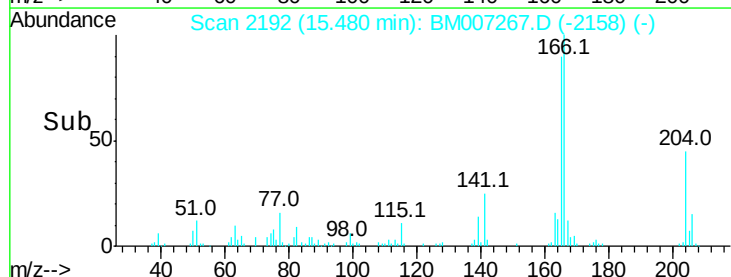
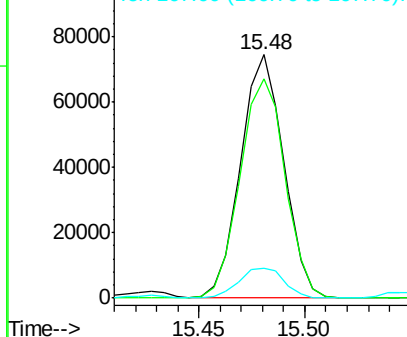
Lab File: BM007267.D

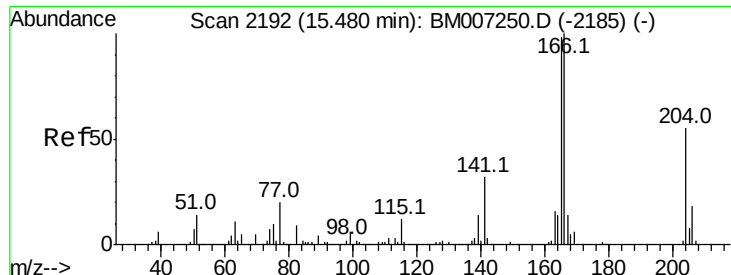
Acq: 24 Aug 2016 00:07

Tgt Ion:	166	Resp:	105898
Ion Ratio	Lower	Upper	
166	100		
165	90.3	79.9	119.9
167	12.0	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





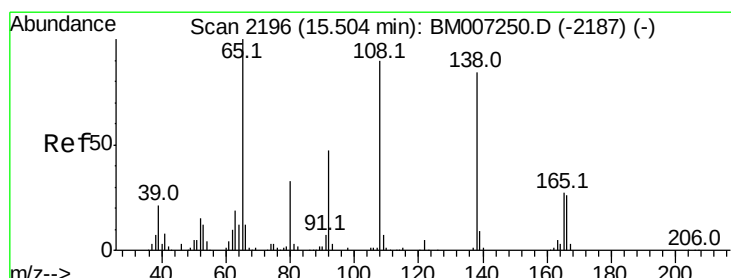
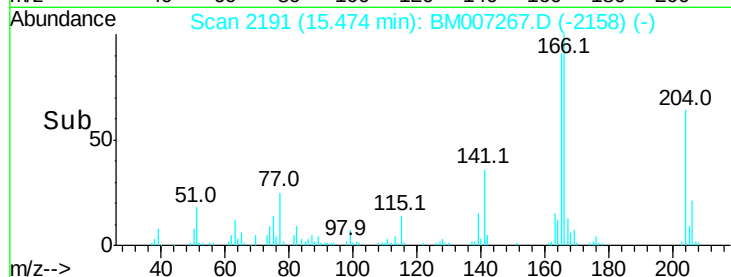
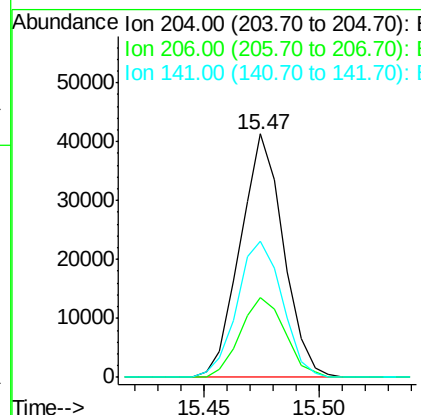
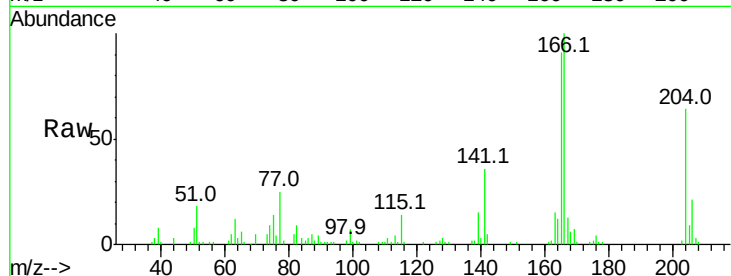
#59
 4-Chlorophenyl-phenylether
 Concen: 2.14 ng/ul
 RT: 15.47 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampled :
 MDL-05-S-ML

Tot Ion	Ratio	Resp	Lower	Upper
204	100	53933		
206	33.0		25.9	38.9
141	56.1		46.1	69.1

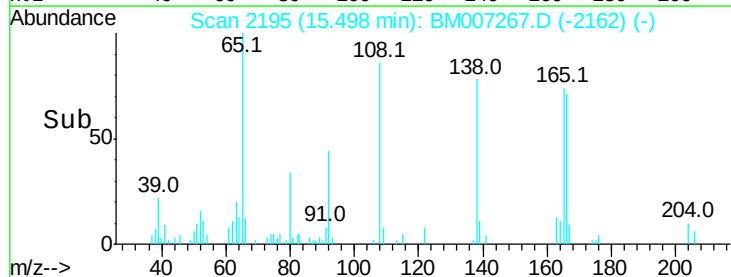
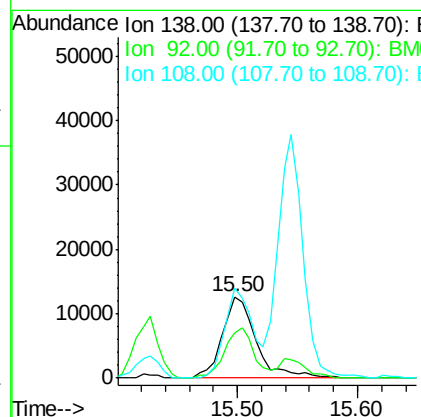
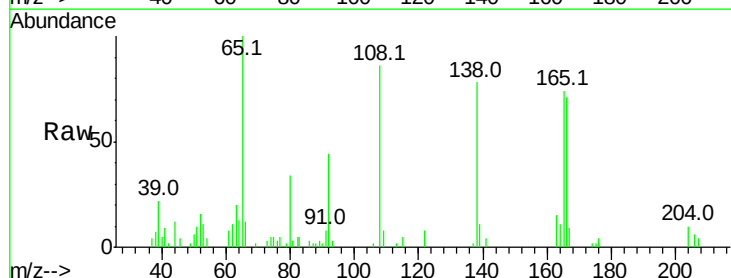
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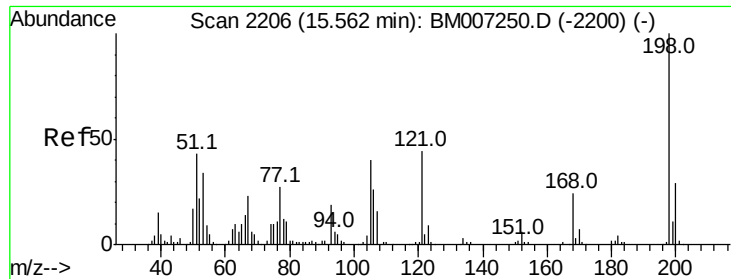
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#60
 4-Nitroaniline
 Concen: 2.08 ng/ul m
 RT: 15.50 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	24805		
92	55.8		43.5	65.3
108	109.8		80.3	120.5





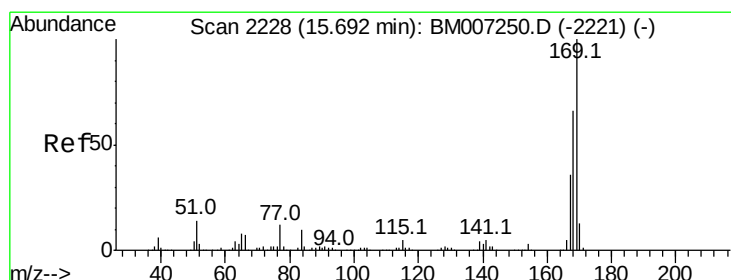
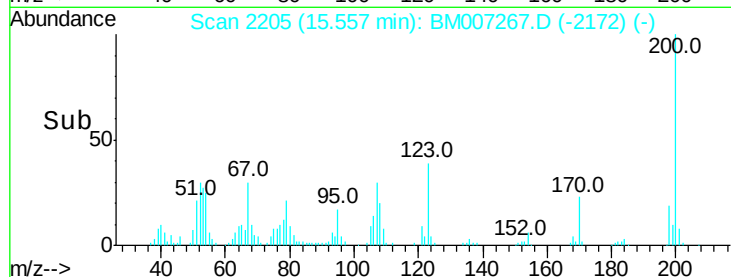
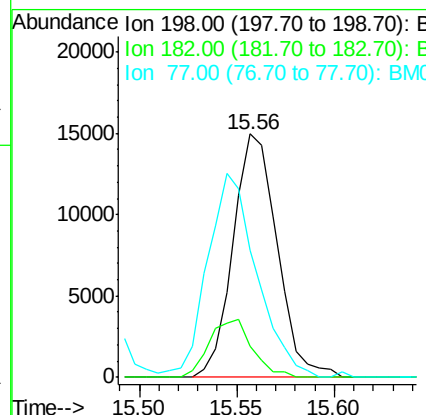
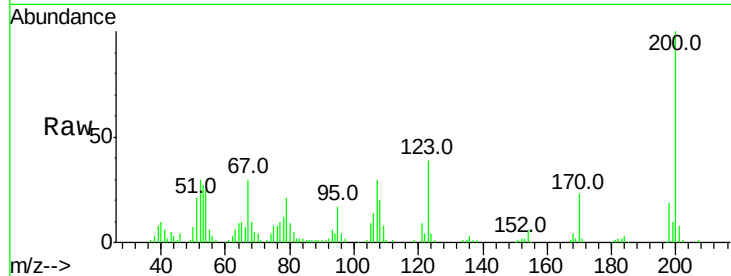
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.17 ng/ul
 RT: 15.56 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
198	100		
182	13.0	3.3	4.9#
77	52.4	21.8	32.6#

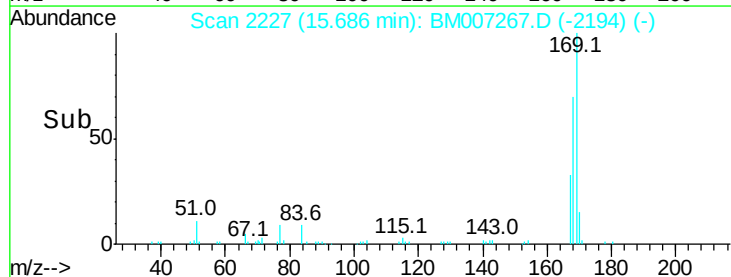
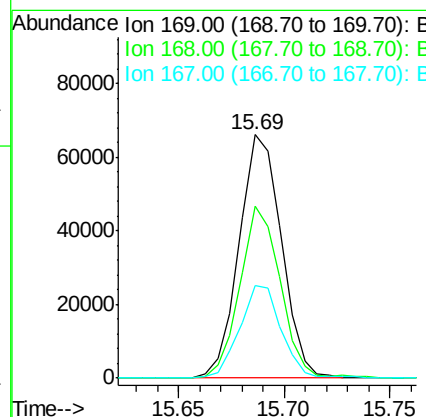
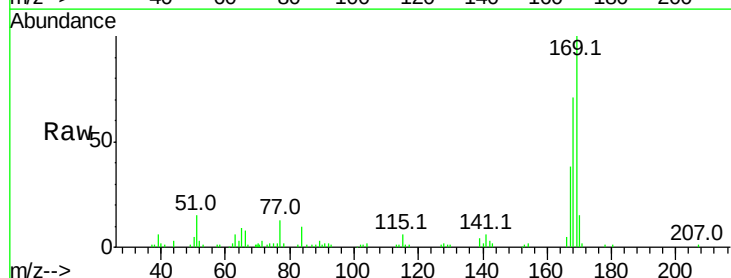
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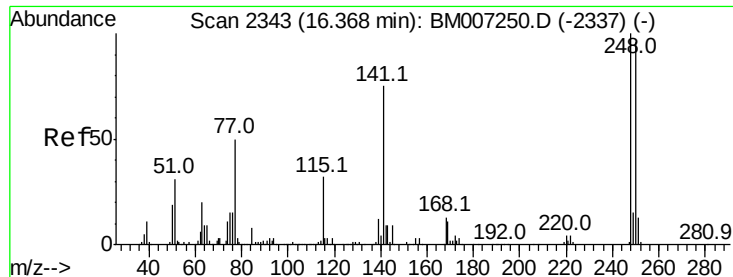
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#64
 N-Nitrosodiphenylamine
 Concen: 2.05 ng/ul
 RT: 15.69 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.7	52.6	79.0
167	38.3	28.6	43.0





#65

4-Bromophenyl-phenylether

Concen: 2.05 ng/ul

RT: 16.37 min Scan# 2343

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

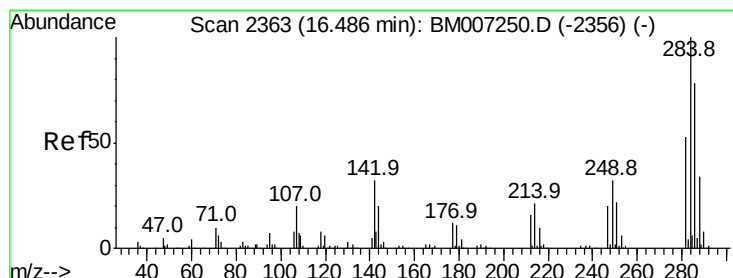
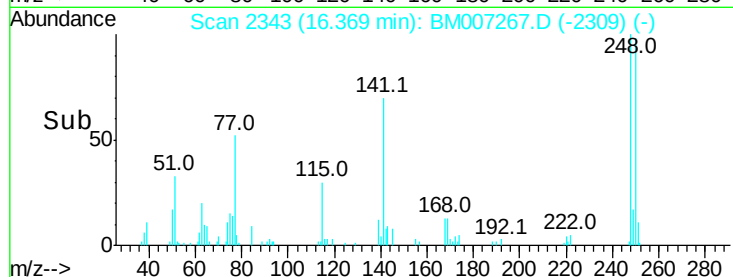
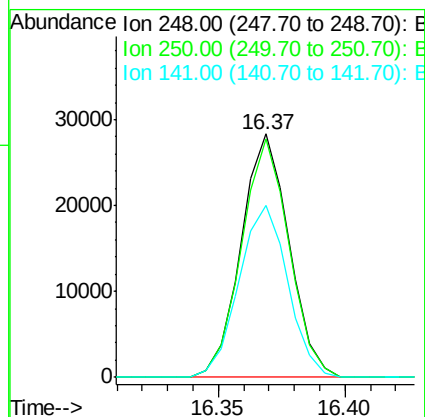
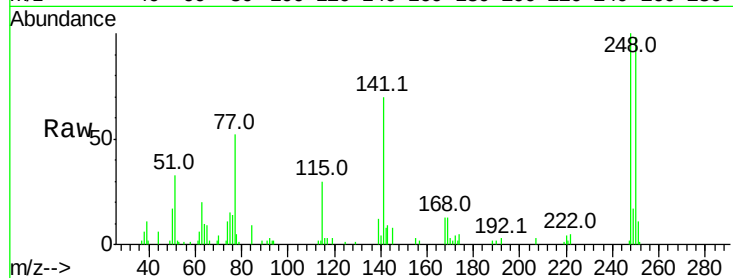
ClientSampleId :

MDL-05-S-ML

Tot Ion:	248	Resp:	37232
Ion Ratio	Lower	Upper	
248	100		
250	97.9	79.7	119.5
141	70.5	58.3	87.5

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#66

Hexachlorobenzene

Concen: 2.10 ng/ul

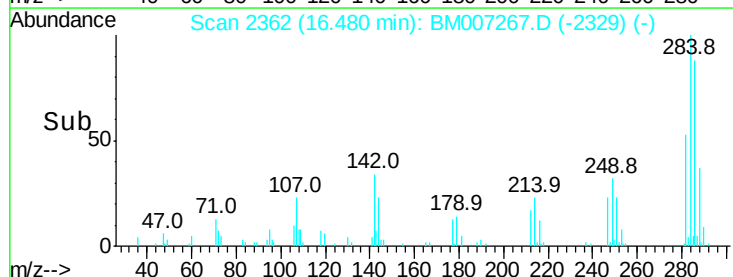
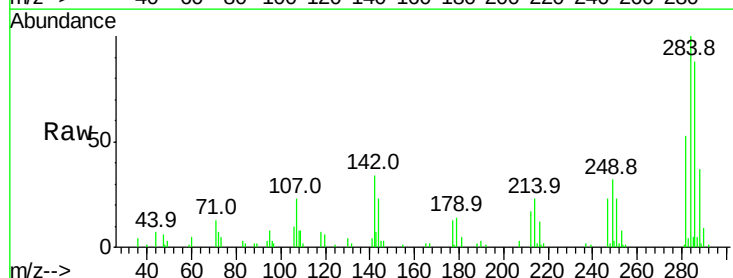
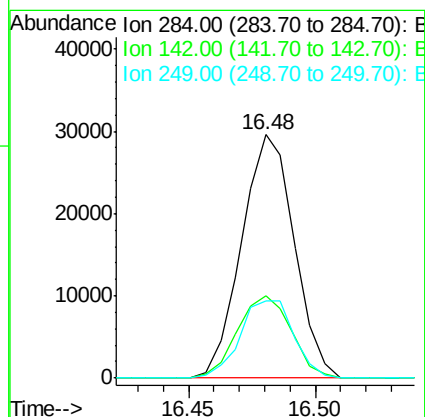
RT: 16.48 min Scan# 2362

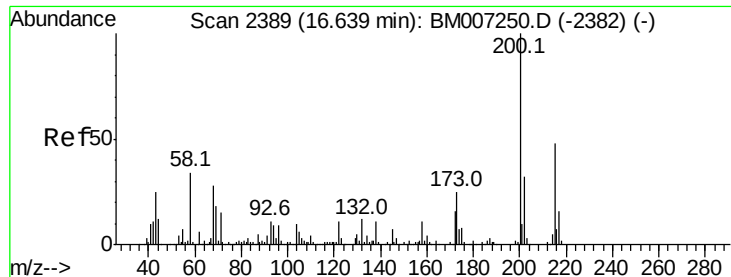
Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	284	Resp:	42771
Ion Ratio	Lower	Upper	
284	100		
142	33.6	24.9	37.3
249	35.0	25.5	38.3





#67

Atrazine

Concen: 2.00 ng/ul

RT: 16.64 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

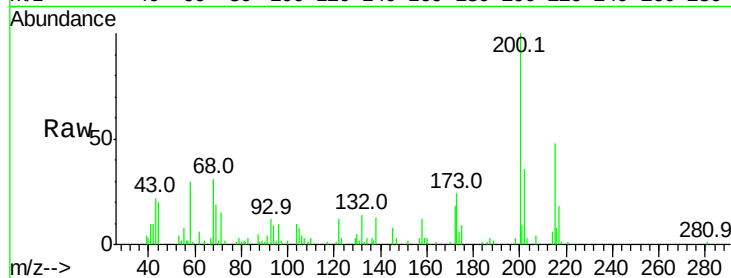
ClientSampleId :

MDL-05-S-ML

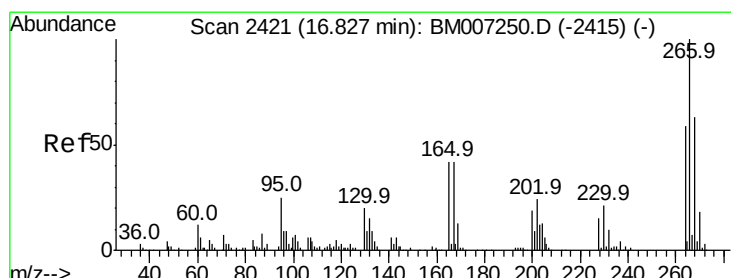
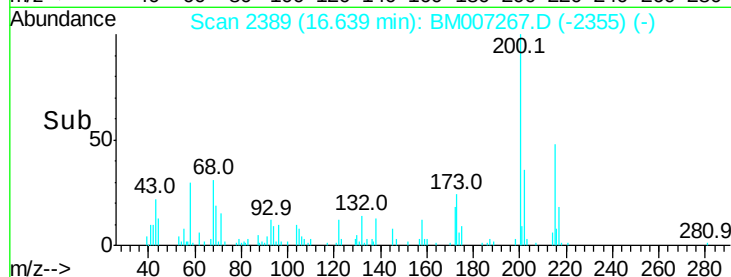
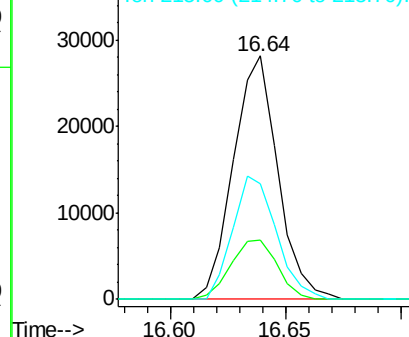
Tot Ion:	200	Resp:	37819
Ion Ratio	Lower	Upper	
200	100		
173	24.2	18.9	28.3
215	47.7	39.5	59.3

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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 1.64 ng/ul

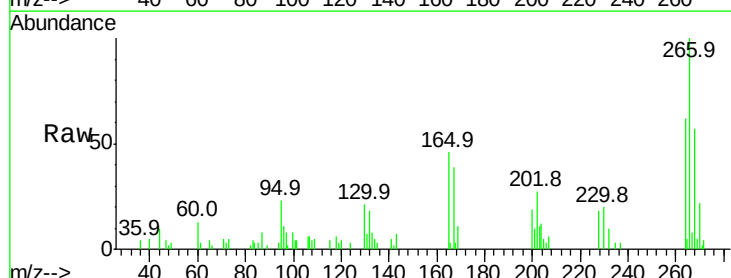
RT: 16.83 min Scan# 2421

Delta R.T. 0.00 min

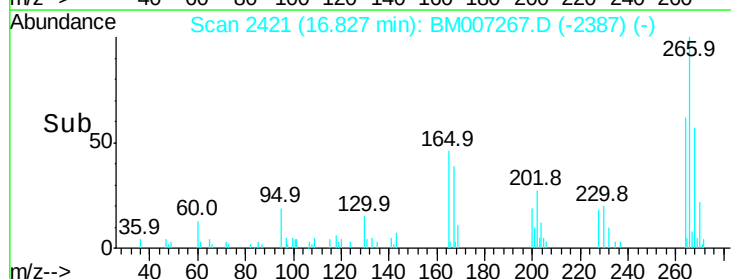
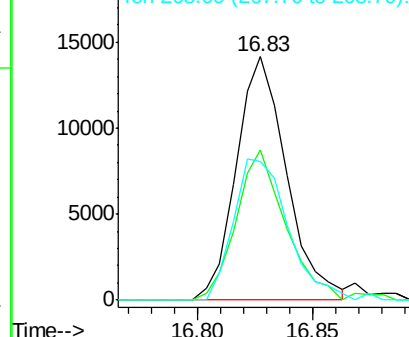
Lab File: BM007267.D

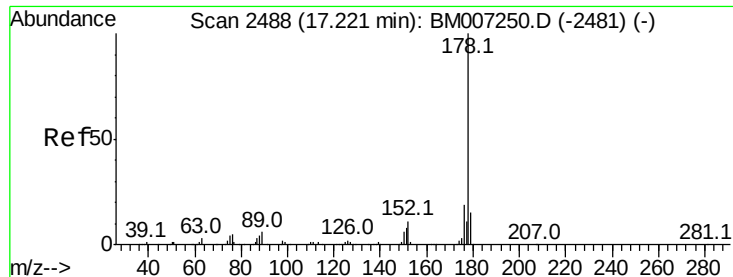
Acq: 24 Aug 2016 00:07

Tgt Ion:	266	Resp:	21535
Ion Ratio	Lower	Upper	
266	100		
264	61.7	50.6	75.8
268	57.0	51.0	76.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 2.21 ng/ul

RT: 17.22 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

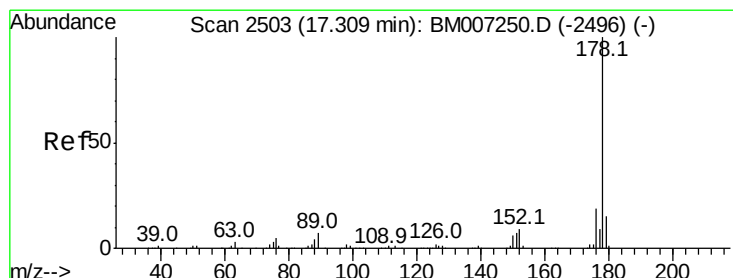
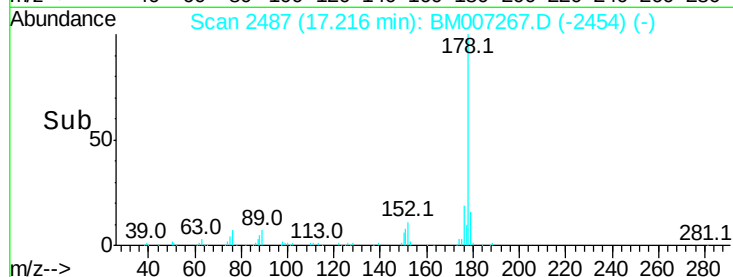
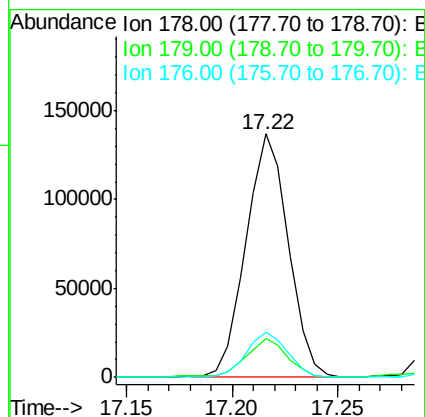
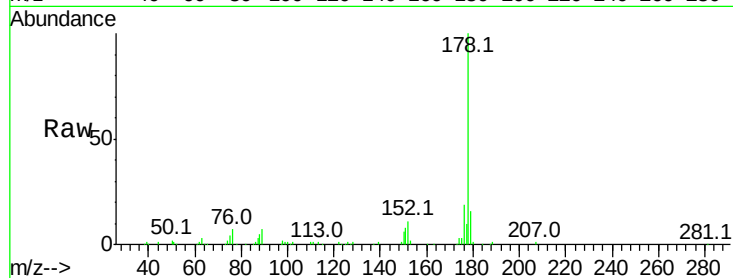
ClientSampleId :

MDL-05-S-ML

Tot Ion:178	Resp:	190899
Ion Ratio	Lower	Upper
178	100	
179	15.8	12.2 18.2
176	18.5	15.1 22.7

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#71

Anthracene

Concen: 2.21 ng/ul

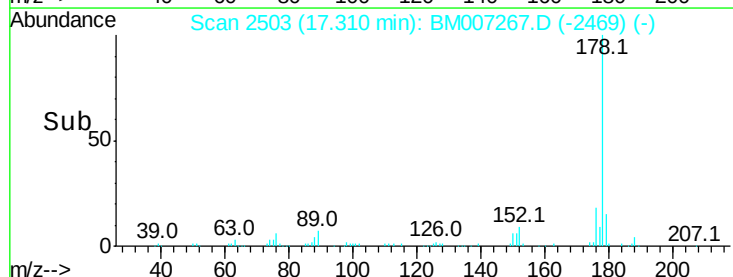
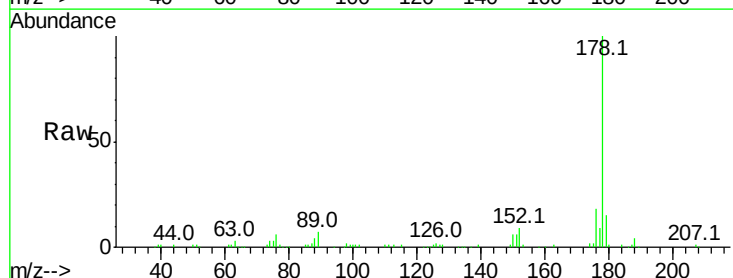
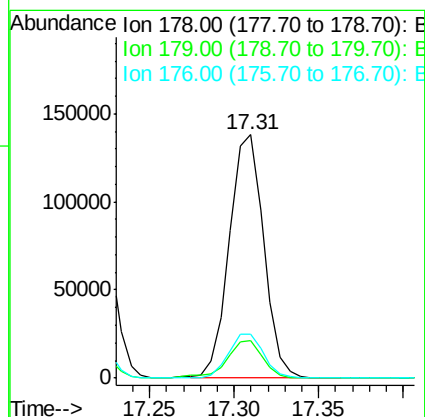
RT: 17.31 min Scan# 2503

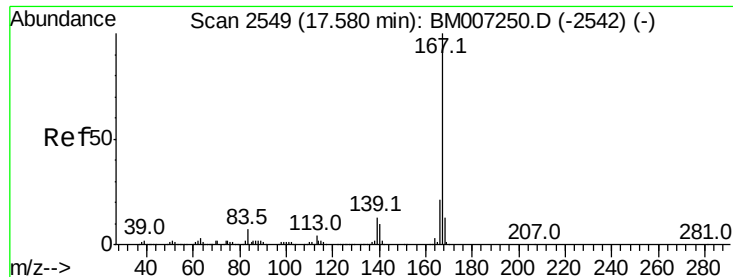
Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:178	Resp:	196548
Ion Ratio	Lower	Upper
178	100	
179	15.2	12.1 18.1
176	18.3	14.5 21.7





#72

Carbazole

Concen: 2.24 ng/ul

RT: 17.58 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

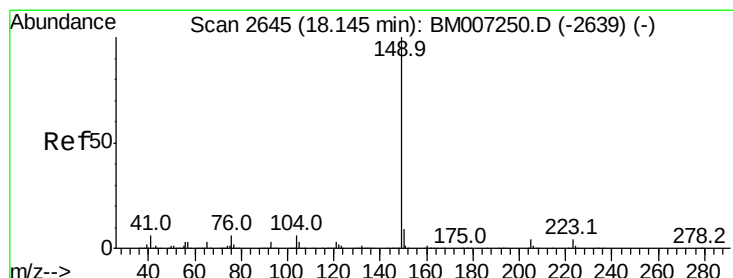
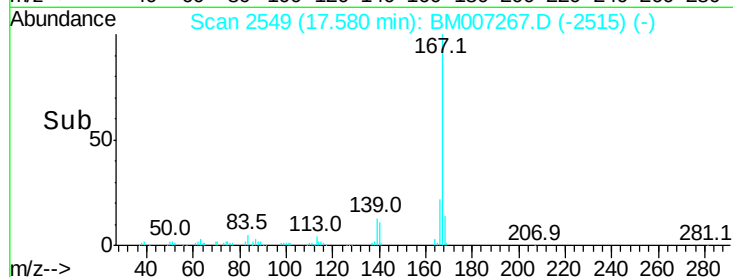
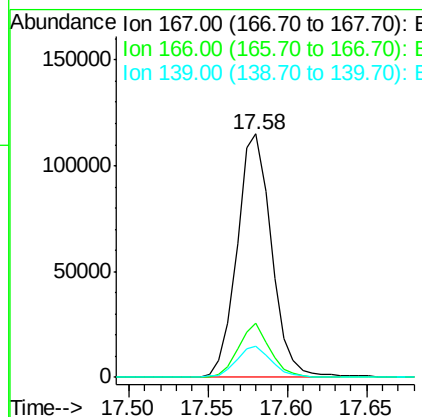
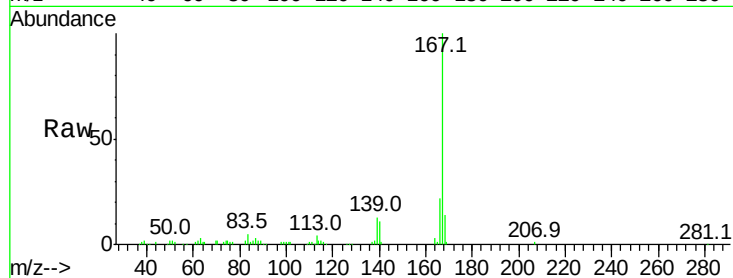
ClientSampleId :

MDL-05-S-ML

Tot Ion:	167	Resp:	173676
Ion Ratio		Lower	Upper
167	100		
166	22.2	16.6	25.0
139	13.0	10.2	15.4

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#73

Di-n-butylphthalate

Concen: 2.02 ng/ul

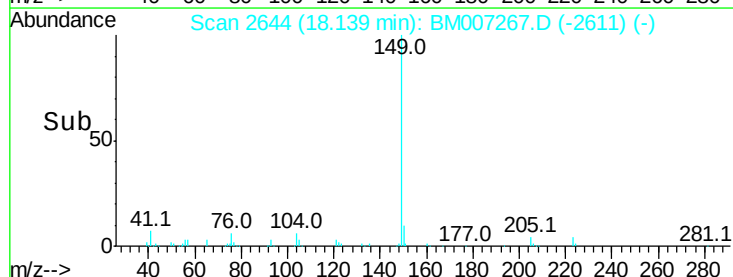
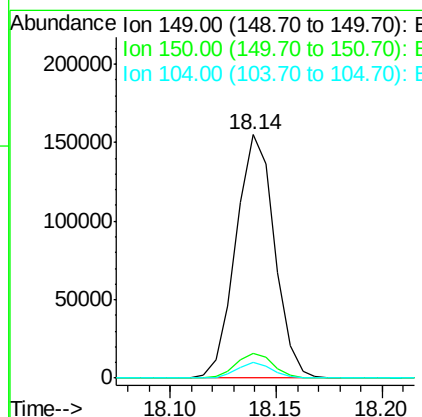
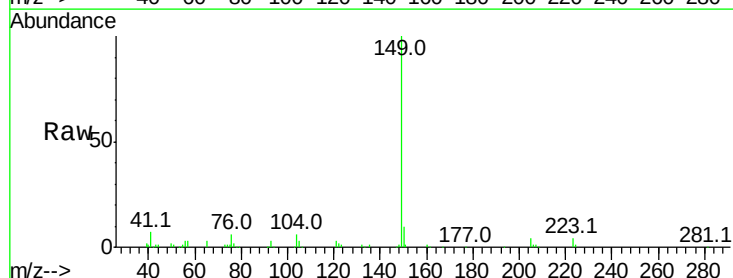
RT: 18.14 min Scan# 2644

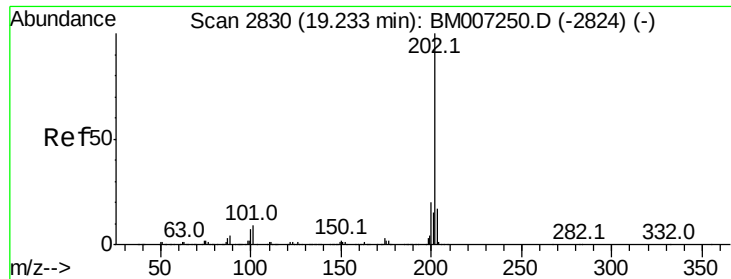
Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	149	Resp:	196758
Ion Ratio		Lower	Upper
149	100		
150	10.0	7.6	11.4
104	6.3	4.6	7.0





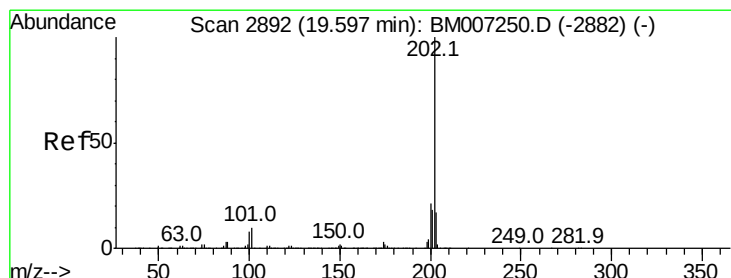
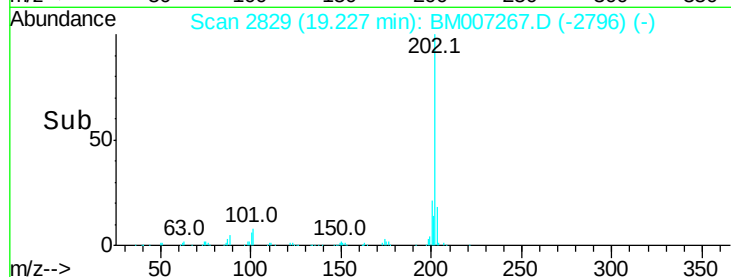
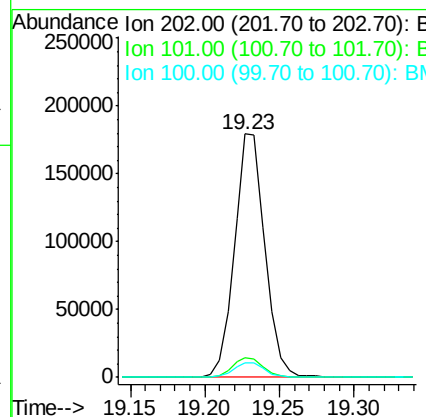
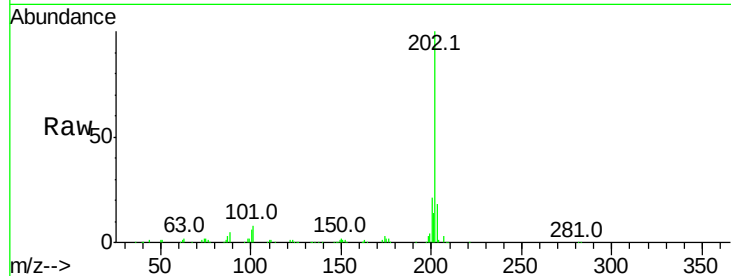
#74
 Fluoranthene
 Concen: 2.35 ng/ul
 RT: 19.23 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S-ML

Tot Ion:	202	Resp:	254575
Ion Ratio	Lower	Upper	
202	100		
101	8.1	6.9	10.3
100	6.1	5.4	8.0

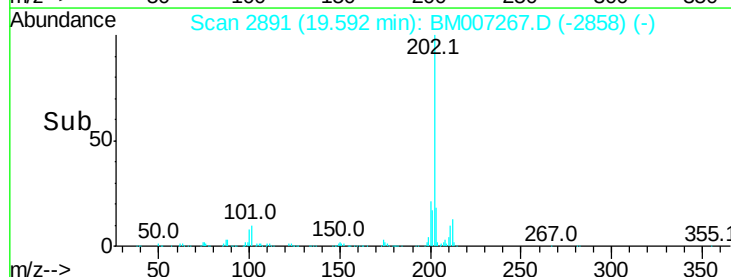
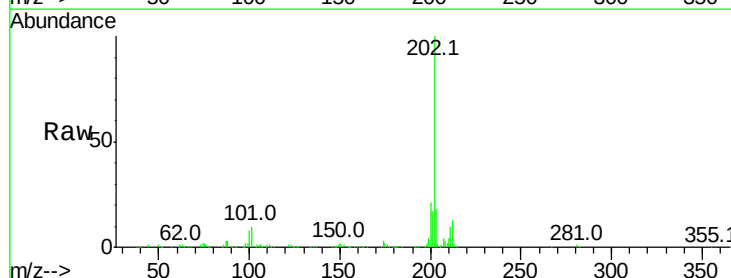
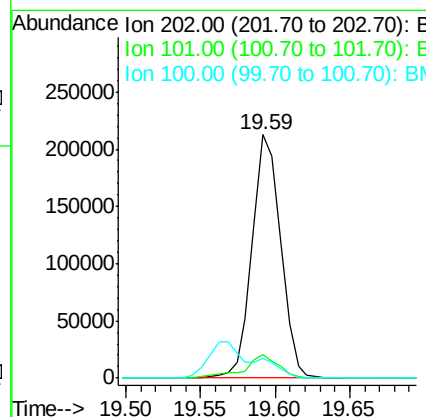
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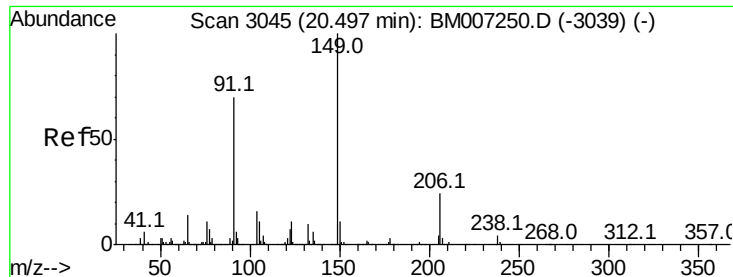
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#77
 Pyrene
 Concen: 2.23 ng/ul
 RT: 19.59 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: BM007267.D
 Acq: 24 Aug 2016 00:07

Tgt Ion:	202	Resp:	281897
Ion Ratio	Lower	Upper	
202	100		
101	9.5	8.4	12.6
100	8.2	6.9	10.3





#78

Butylbenzylphthalate

Concen: 1.79 ng/ul

RT: 20.49 min Scan# 3044

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

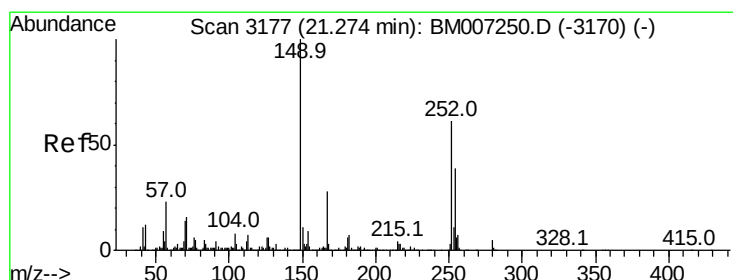
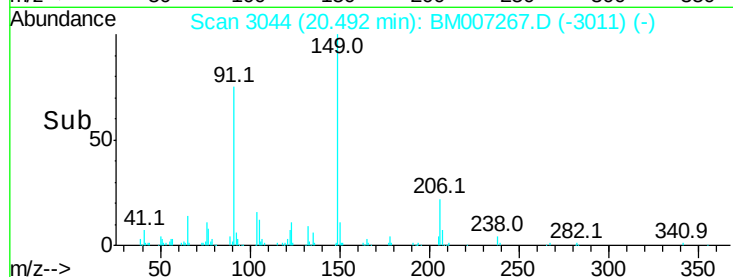
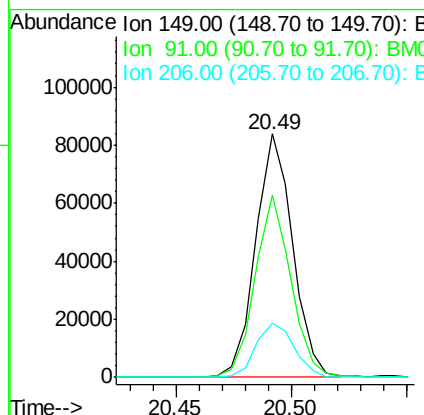
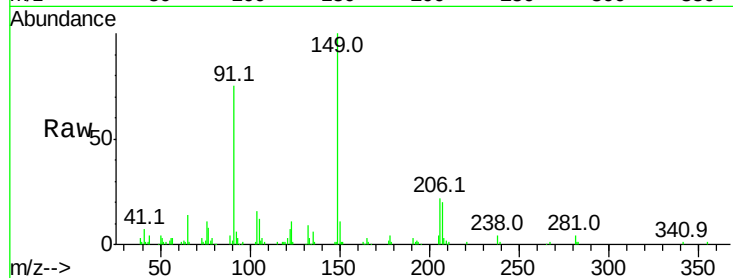
ClientSampled :

MDL-05-S-ML

Tot Ion:	149	Resp:	94171
Ion Ratio	Lower	Upper	
149	100		
91	74.8	57.3	85.9
206	22.2	18.6	27.8

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#79

3,3'-Dichlorobenzidine

Concen: 2.01 ng/ul

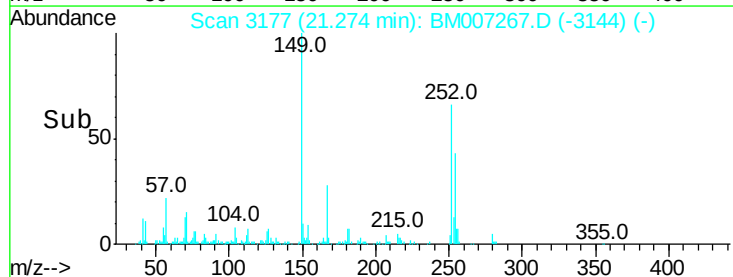
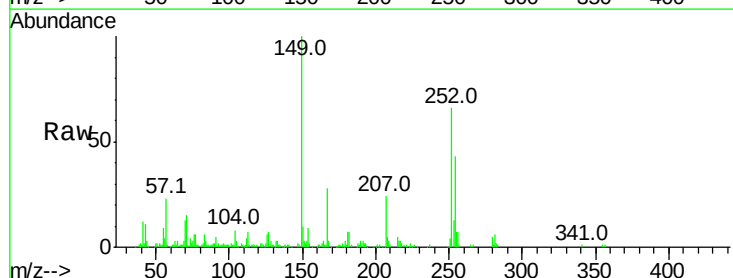
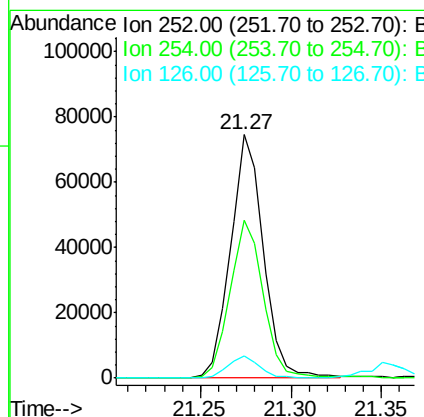
RT: 21.27 min Scan# 3177

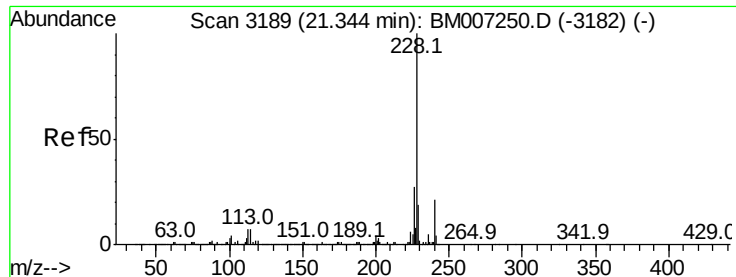
Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	252	Resp:	94194
Ion Ratio	Lower	Upper	
252	100		
254	64.6	51.0	76.4
126	9.1	7.1	10.7





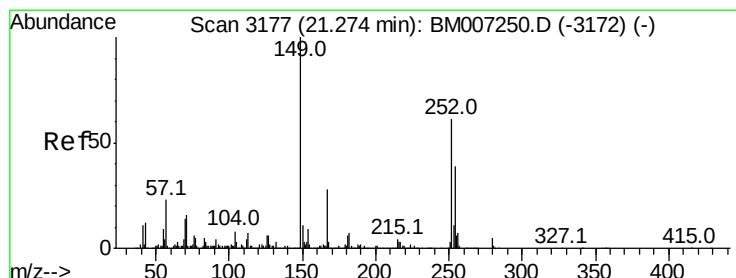
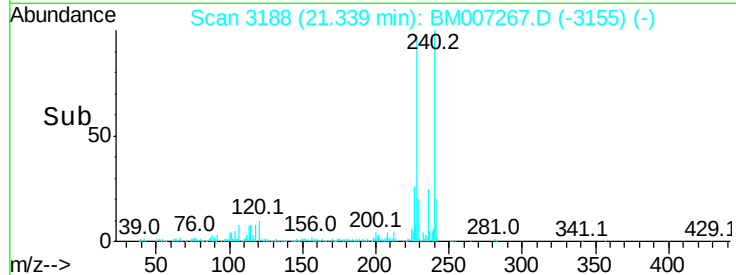
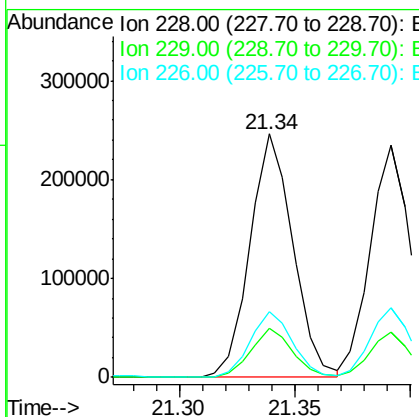
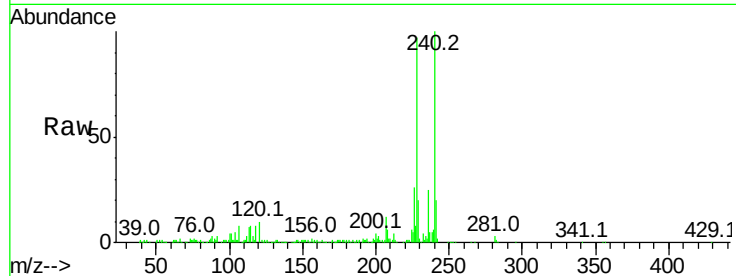
#80
Benzo(a)anthracene
Concen: 2.29 ng/ul
RT: 21.34 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampleId :
MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.6	23.4
226	27.2	21.8	32.8

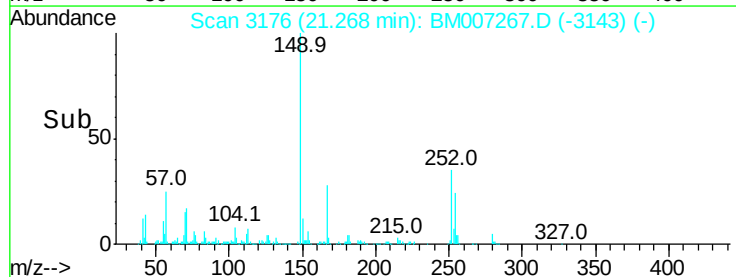
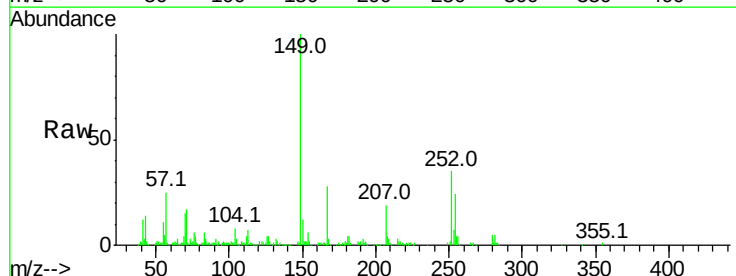
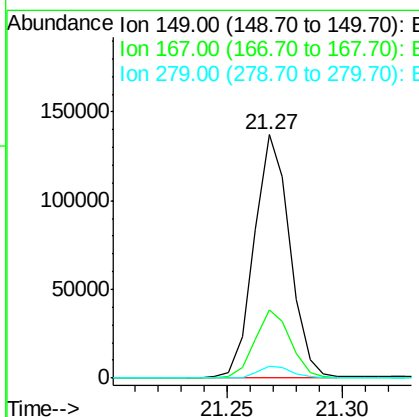
Manual Integrations
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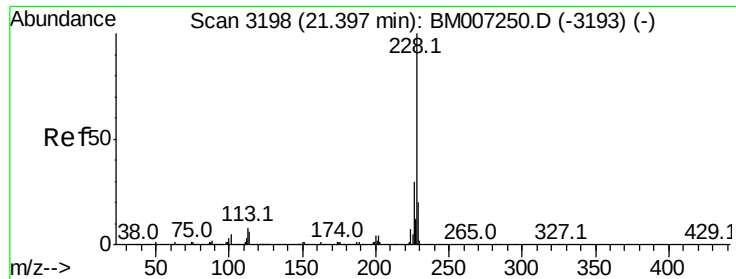
sohil
8/24/2016 4:15:35 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.93 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.2	34.8
279	4.8	4.1	6.1





#82

Chrysene

Concen: 2.27 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Instrument :

BNA_M

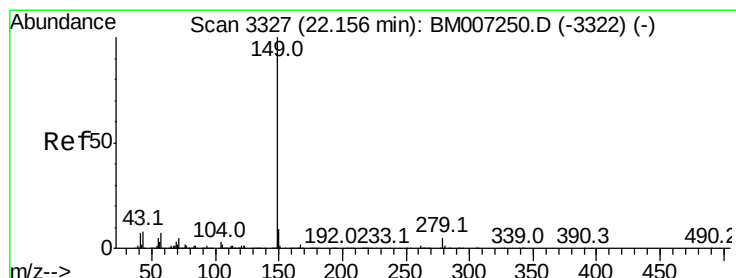
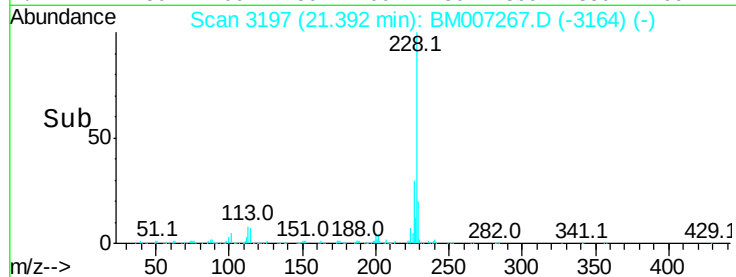
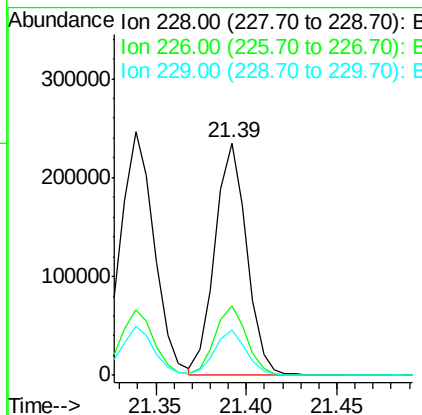
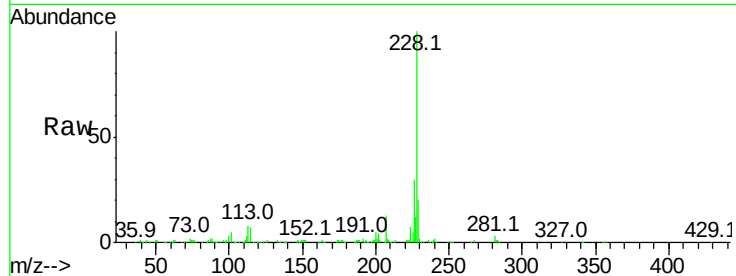
ClientSampleId :

MDL-05-S-ML

Tot Ion:	228	Resp:	286180
Ion Ratio		Lower	Upper
228	100		
226	29.8	23.4	35.2
229	19.6	15.5	23.3

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 1.97 ng/ul

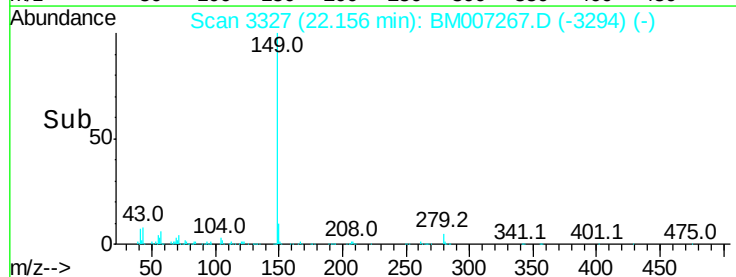
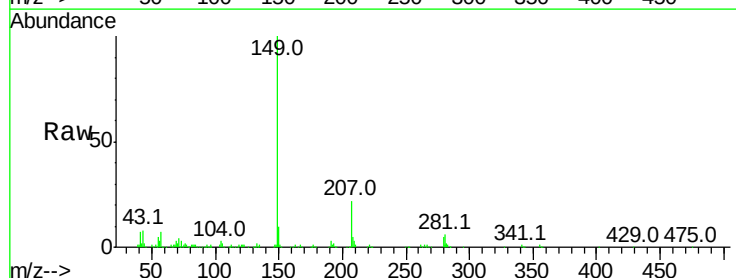
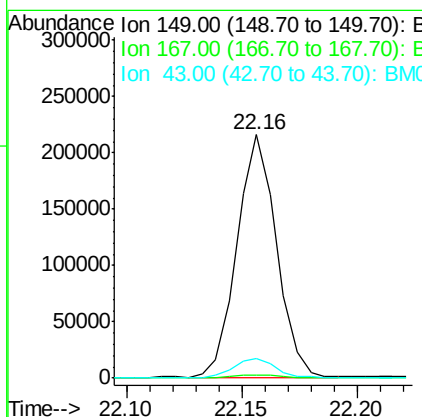
RT: 22.16 min Scan# 3327

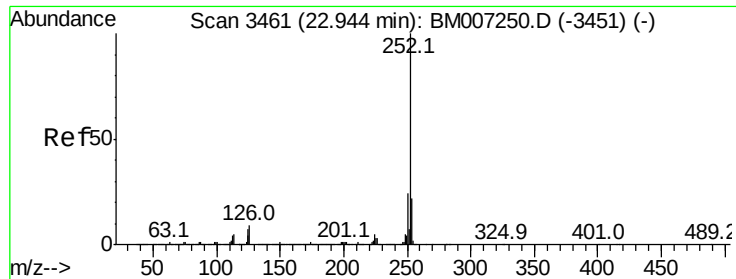
Delta R.T. -0.01 min

Lab File: BM007267.D

Acq: 24 Aug 2016 00:07

Tgt Ion:	149	Resp:	256331
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.1	6.6	10.0





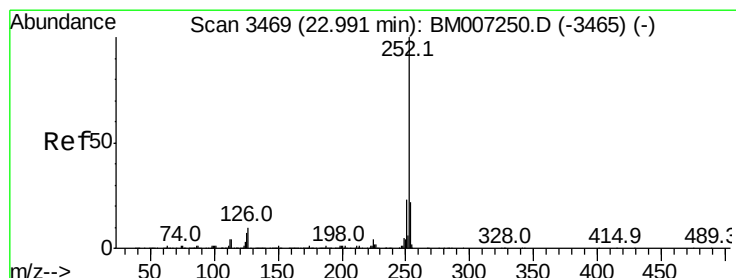
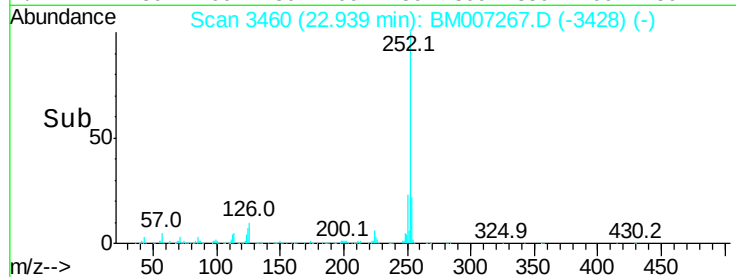
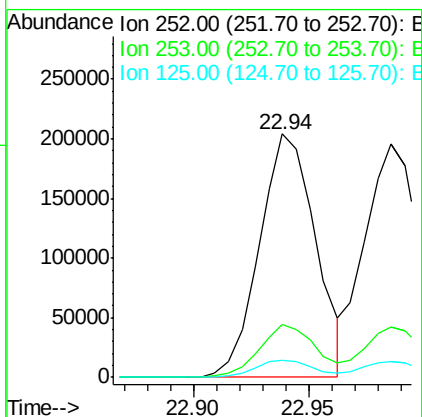
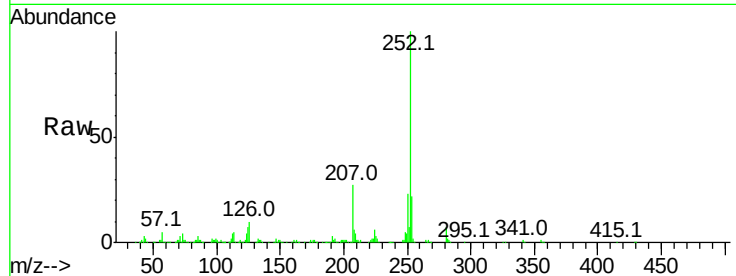
#85
Benzo(b)fluoranthene
Concen: 2.22 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampled :
MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	6.9	5.8	8.8

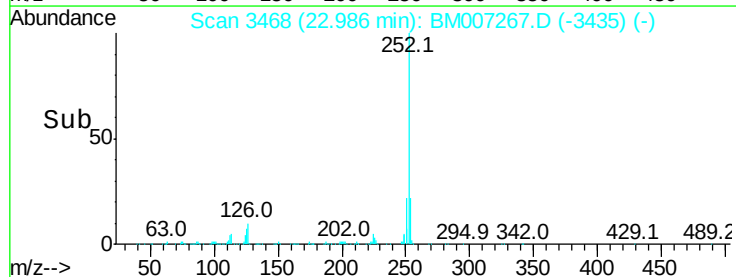
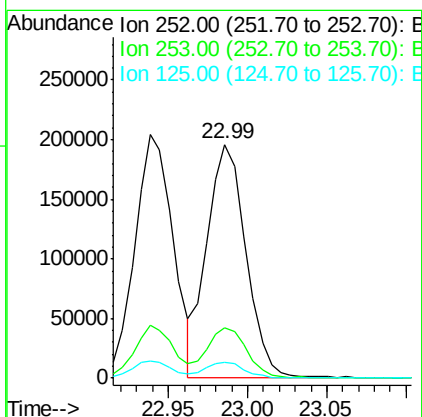
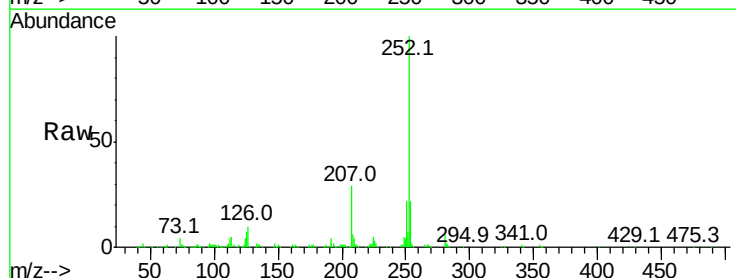
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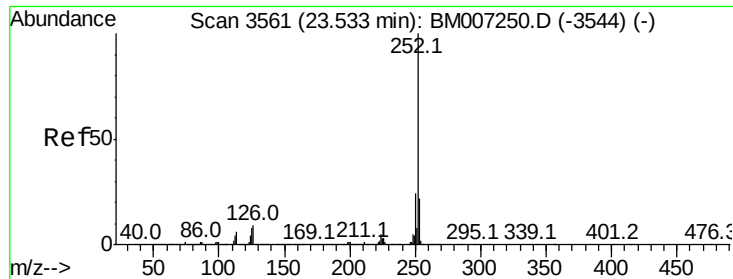
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#86
Benzo(k)fluoranthene
Concen: 2.33 ng/ul
RT: 22.99 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	6.7	5.7	8.5





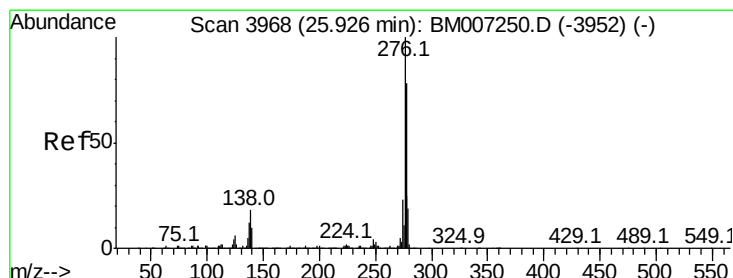
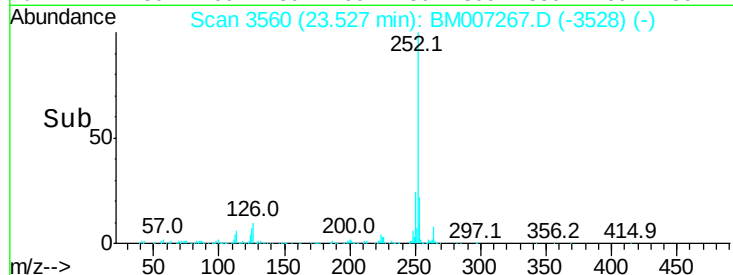
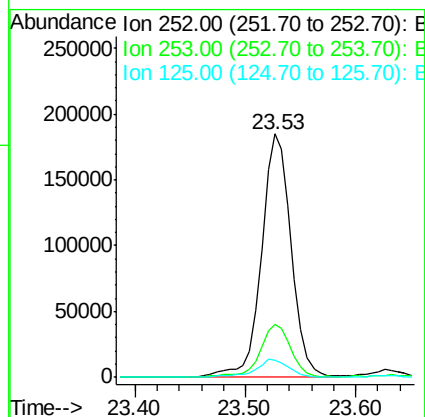
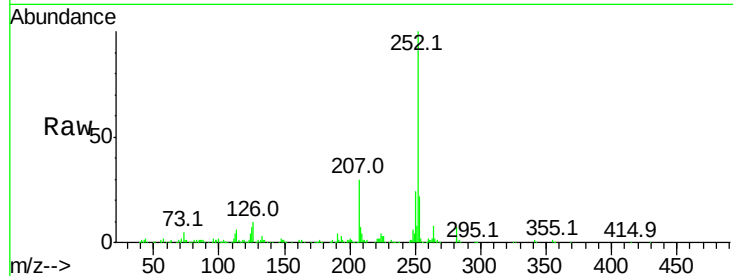
#88
Benzo(a)pyrene
Concen: 2.34 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampled :
MDL-05-S-ML

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.7	26.5
125	6.9	6.6	9.8

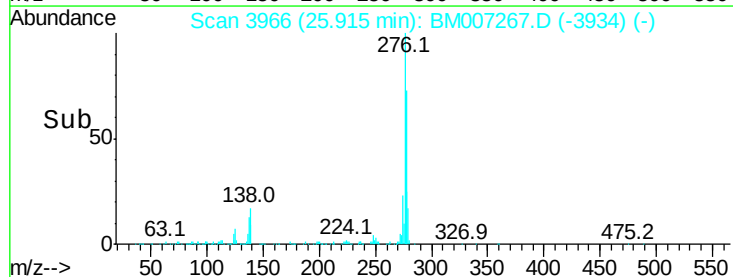
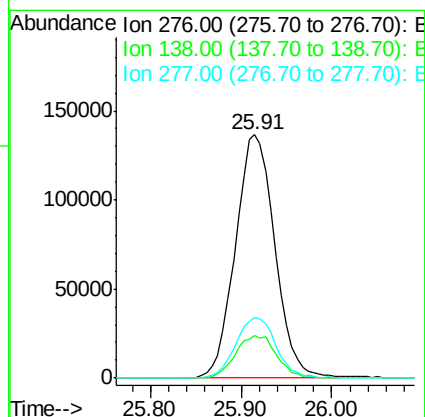
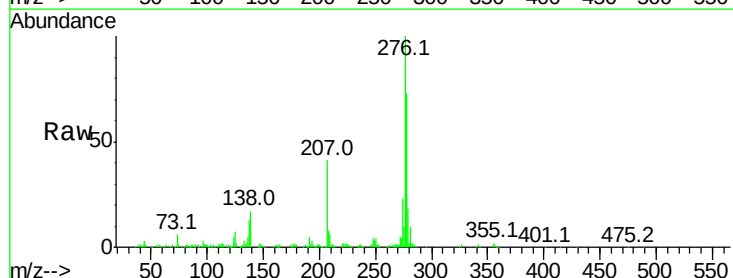
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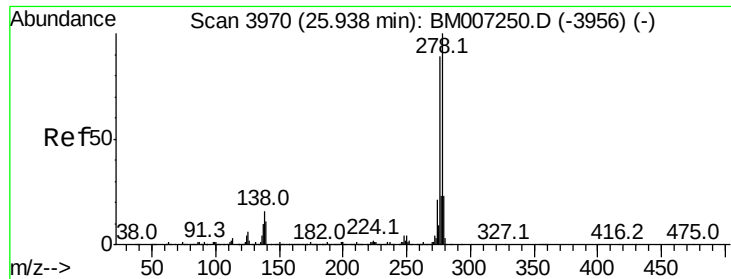
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.27 ng/ul
RT: 25.91 min Scan# 3966
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.4	13.9	20.9
277	25.0	20.1	30.1





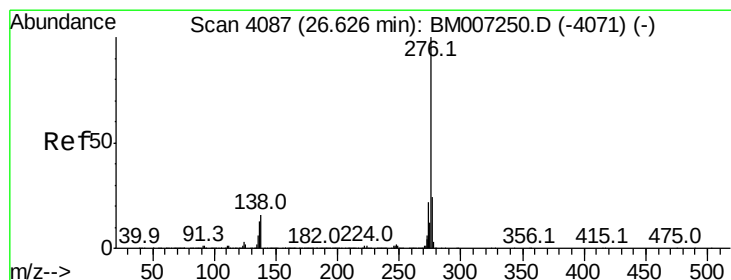
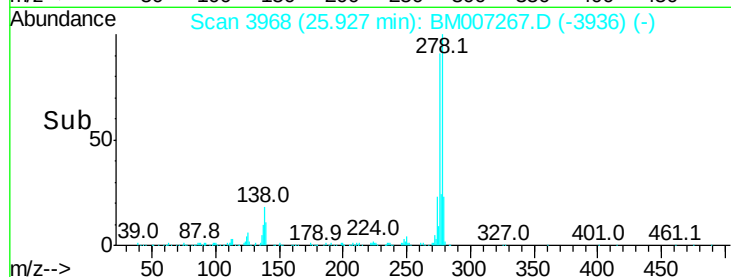
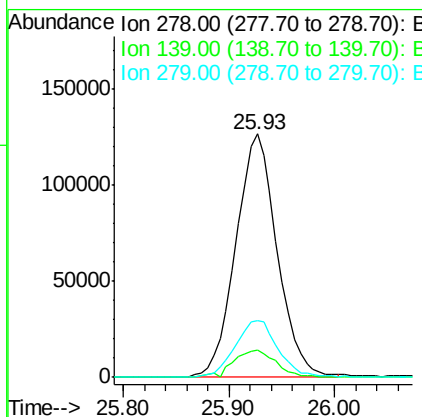
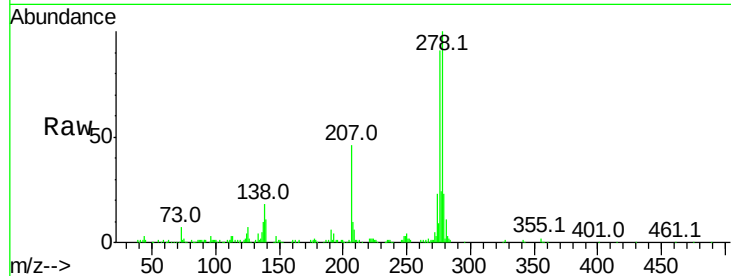
#90
Dibenzo(a,h)anthracene
Concen: 2.27 ng/ul
RT: 25.93 min Scan# 3968
Delta R.T. -0.01 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Instrument :
BNA_M
ClientSampleId :
MDL-05-S-ML

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.5	14.3
279	23.3	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.23 ng/ul
RT: 26.61 min Scan# 4085
Delta R.T. -0.02 min
Lab File: BM007267.D
Acq: 24 Aug 2016 00:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.5	20.3
277	24.4	19.3	28.9

