

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM091117\
 Data File : BM011504.D
 Acq On : 11 Sep 2017 19:39
 Operator : SJ/JU
 Sample : MDL-S-ME-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Manual Integrations
 APPROVED

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 9/12/2017 2:22:11 PM

Quant Time: Sep 11 20:20:18 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 18:01:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	381533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.79	136	1740779	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.61	164	1058420	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.34	188	2373847	20.00	ng/ul	0.00
78) Chrysene-d12	21.51	240	2720031	20.00	ng/ul	0.00
86) Perylene-d12	23.88	264	2462864	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	43175	5.09	ng/uL	0.00
5) Phenol-d5	7.12	99	1070164	29.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.30	67	803696	32.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.50	132	849280	30.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.67	113	881209	30.81	ng/ul	0.00
19) Nitrobenzene-d5	9.14	128	425836	32.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.86	143	426011	31.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.40	165	833952	30.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	1216948	39.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.01	166	2933272	32.78	ng/ul	0.00
47) Acenaphthylene-d8	14.30	160	3510656	32.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.79	143	442252	26.30	ng/ul	0.00
58) Fluorene-d10	15.60	176	2504699	32.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	355382	25.73	ng/ul	0.00
71) Anthracene-d10	17.44	188	3849796	32.93	ng/ul	0.00
79) Pyrene-d10	19.73	212	4302111	33.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.73	264	3917568	33.38	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.43	88	17773	1.912	ng/uL#	67
4) Benzaldehyde	7.12	77	52565	2.511	ng/ul	99
6) Phenol	7.15	94	142687	3.924	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.39	93	124466	4.347	ng/ul#	81
10) 2-Chlorophenol	7.54	128	112535	4.178	ng/ul	94
11) 2-Methylphenol	8.41	108	102068	3.702	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.51	45	210768	4.542	ng/ul#	93
14) Acetophenone	8.80	105	177721	4.065	ng/ul#	94
15) N-Nitroso-di-n-propylamine	8.78	70	97207	4.144	ng/ul#	77
16) 4-Methylphenol	8.73	108	119512	3.961	ng/ul	94
17) Hexachloroethane	9.06	117	41702	4.050	ng/ul#	84
20) Nitrobenzene	9.18	77	136786	4.402	ng/ul	95
21) Isophorone	9.70	82	253823	4.057	ng/ul#	95
23) 2-Nitrophenol	9.89	139	61244	4.243	ng/ul#	92
24) 2,4-Dimethylphenol	9.95	107	127299	4.122	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.19	93	172070	4.218	ng/ul	98
27) 2,4-Dichlorophenol	10.42	162	106082	3.979	ng/ul	87
28) Naphthalene	10.83	128	391268	4.334	ng/ul	98
30) 4-Chloroaniline	10.94	127	141781	4.890	ng/ul	93
31) Hexachlorobutadiene	11.12	225	64445	4.259	ng/ul	97
32) Caprolactam	11.75	113	28257m	3.367	ng/ul	
33) 4-Chloro-3-methylphenol	12.05	107	107065	3.788	ng/ul	97
34) 2-Methylnaphthalene	12.44	142	280429	4.183	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.66	142	271043	4.245	ng/ul#	96
37) 1,2,4,5-Tetrachlorobenzene	12.80	216	131252	4.180	ng/ul#	95
38) Hexachlorocyclopentadiene	12.78	237	51762	2.941	ng/ul	97
39) 2,4,6-Trichlorophenol	13.04	196	74997	3.508	ng/ul	99
40) 2,4,5-Trichlorophenol	13.11	196	73925	3.411	ng/ul	100
41) 1,1'-Biphenyl	13.44	154	363996	4.133	ng/ul#	95
42) 2-Chloronaphthalene	13.49	162	275364	4.155	ng/ul	98
43) 2-Nitroaniline	13.69	65	66882	3.249	ng/ul	84
45) Dimethylphthalate	14.06	163	366174	4.274	ng/ul#	99
46) 2,6-Dinitrotoluene	14.18	165	50301	3.325	ng/ul#	86
48) Acenaphthylene	14.33	152	466463	4.283	ng/ul	99
49) 3-Nitroaniline	14.51	138	50039	2.682	ng/ul#	94
50) Acenaphthene	14.67	153	310901	4.225	ng/ul	98
51) 2,4-Dinitrophenol	14.72	184	21314	2.280	ng/ul#	76
53) 4-Nitrophenol	14.80	109	41265	3.818	ng/ul#	49
54) Dibenzofuran	15.00	168	441045	4.284	ng/ul	95
55) 2,4-Dinitrotoluene	14.96	165	78100	3.511	ng/ul#	76
56) 2,3,4,6-Tetrachlorophenol	15.23	232	72533	3.672	ng/ul#	77
57) Diethylphthalate	15.41	149	366683	4.113	ng/ul	95
59) Fluorene	15.65	166	365335	4.235	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.64	204	172805	4.275	ng/ul	91
61) 4-Nitroaniline	15.67	138	58237m	2.914	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.72	198	51286	3.623	ng/ul#	56
65) N-Nitrosodiphenylamine	15.85	169	300672	4.158	ng/ul	99
66) 4-Bromophenyl-phenylether	16.53	248	98002	4.042	ng/ul	93
67) Hexachlorobenzene	16.65	284	106962	4.008	ng/ul#	88
68) Atrazine	16.80	200	90110	3.597	ng/ul	98
69) Pentachlorophenol	16.99	266	47914	2.796	ng/ul	97
70) Phenanthrene	17.39	178	573540	4.335	ng/ul	100
72) Anthracene	17.48	178	590716	4.351	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.41	216	133061	4.206	ng/uL	98
74) Pentachlorobenzene	14.92	250	136973	4.269	ng/uL	94
75) Carbazole	17.74	167	479579	4.140	ng/ul	98
76) Di-n-butylphthalate	18.30	149	593502	3.901	ng/ul	98
77) Fluoranthene	19.39	202	619545	4.552	ng/ul#	87
80) Pyrene	19.76	202	707292	4.457	ng/ul#	85
81) Butylbenzylphthalate	20.64	149	243947	3.343	ng/ul	94
82) 3,3'-Dichlorobenzidine	21.42	252	161403	3.267	ng/ul#	96
83) Benzo(a)anthracene	21.49	228	636433	4.250	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.40	149	386755	3.451	ng/ul#	94
85) Chrysene	21.54	228	578215	4.259	ng/ul	99
87) Di-n-octyl phthalate	22.32	149	655224	3.749	ng/ul	100
88) Benzo(b)fluoranthene	23.16	252	589407	3.978	ng/ul#	95
89) Benzo(k)fluoranthene	23.20	252	590394	4.149	ng/ul#	96
91) Benzo(a)pyrene	23.77	252	587437	4.200	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	26.31	276	605710	3.937	ng/ul#	87
93) Dibenzo(a,h)anthracene	26.33	278	507016	3.887	ng/ul#	93
94) Benzo(g,h,i)perylene	27.06	276	497712	3.995	ng/ul#	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

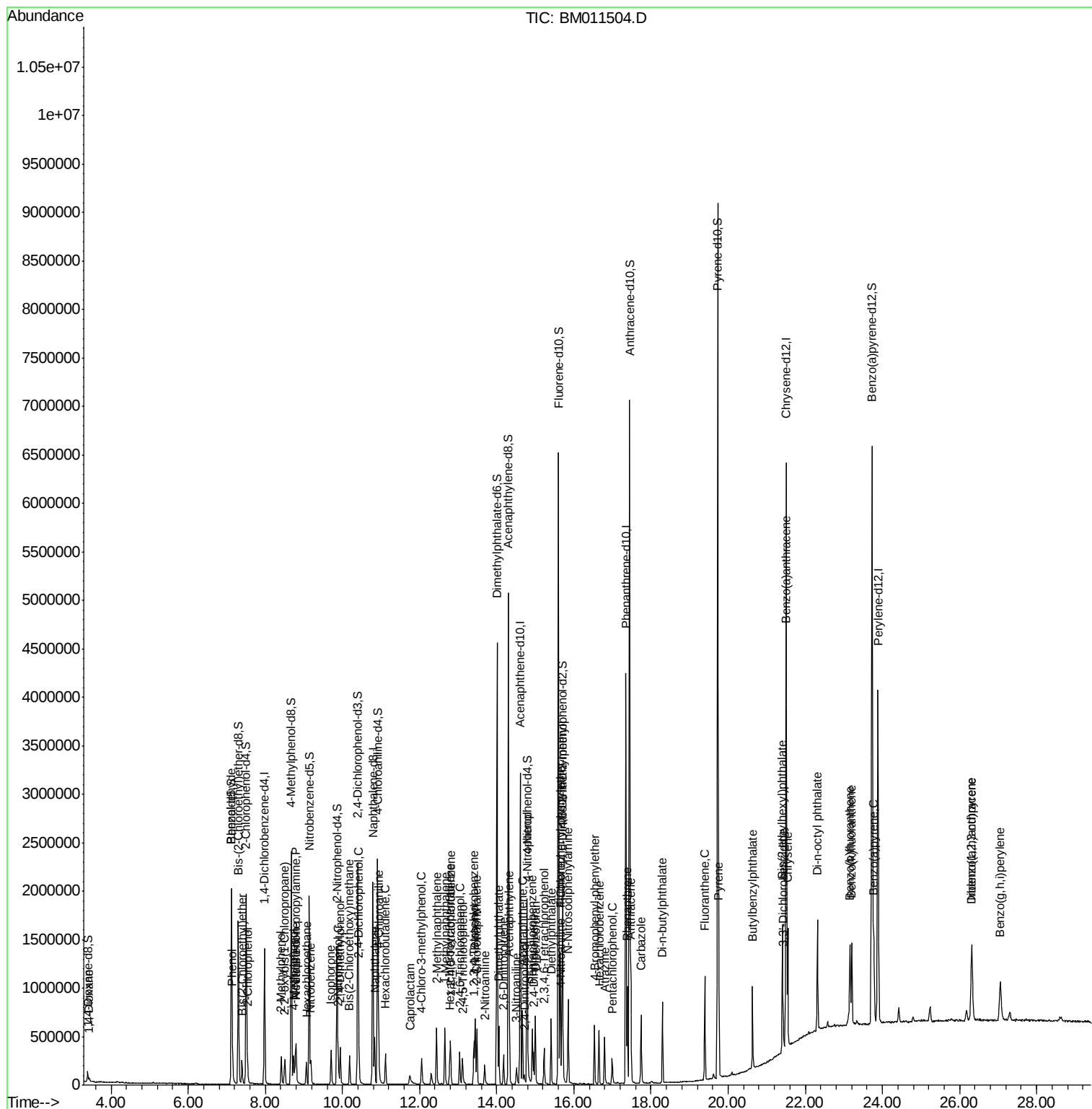
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 Data File : BM011504.D
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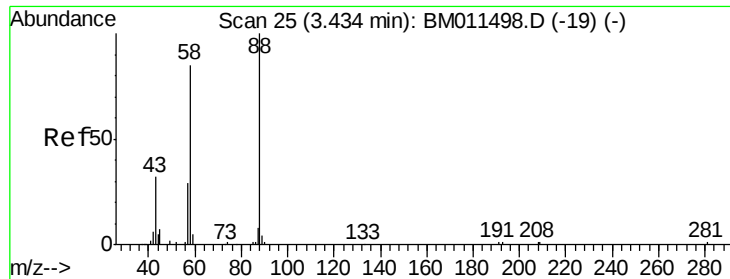
Instrument :
 BNA_M
 ClientSampleID :
 MDL-S-ME-06

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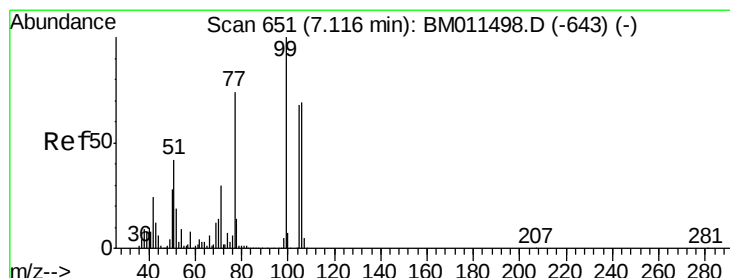
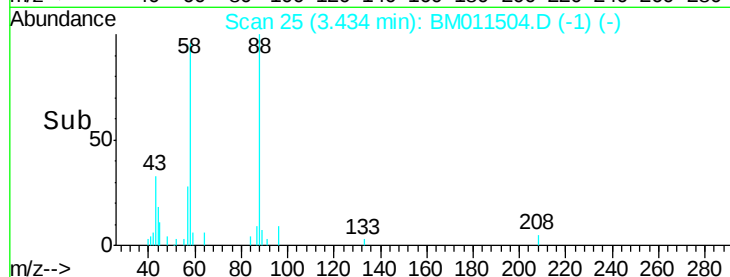
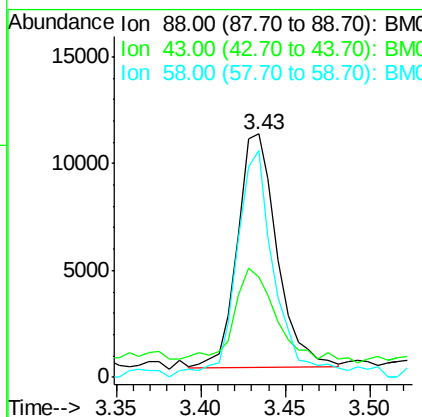
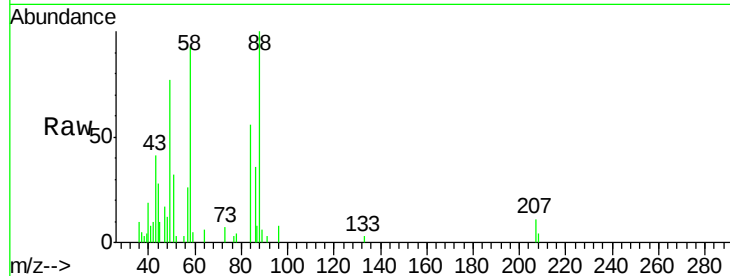
#2
1,4-Dioxane
Concen: 1.912 ng/uL
RT: 3.43 min Scan# 25
Delta R.T. -0.00 min
Lab File: BM011504.D
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ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.1	29.0	43.4
58	93.1	45.9	68.9

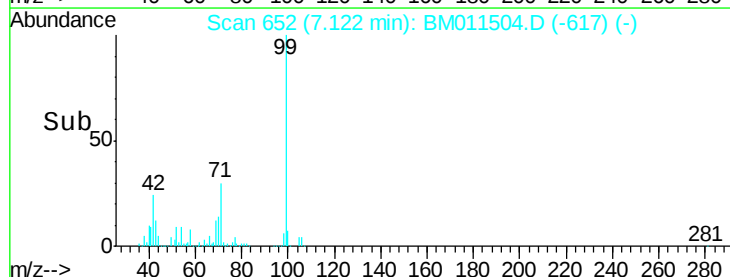
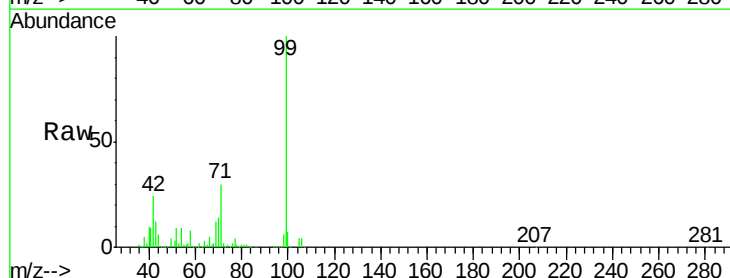
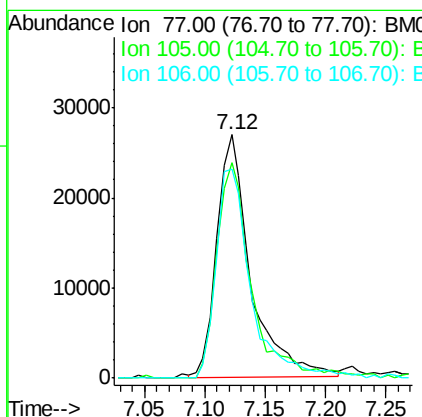
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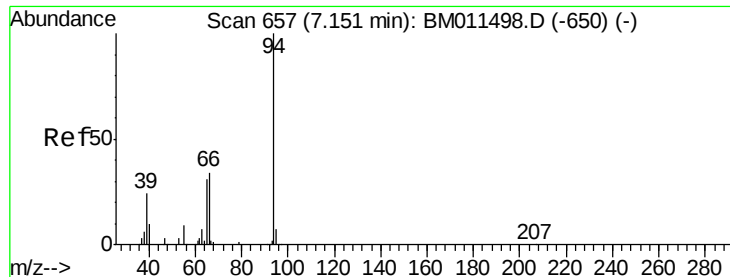
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#4
Benzaldehyde
Concen: 2.511 ng/uL
RT: 7.12 min Scan# 652
Delta R.T. 0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
77	100		
105	88.6	71.0	106.6
106	85.7	69.5	104.3





#6

Phenol

Concen: 3.924 ng/ul

RT: 7.15 min Scan# 657

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

ClientSampled :

MDL-S-ME-06

Tgt Ion: 94 Resp: 142687

Ion Ratio Lower Upper

94 100

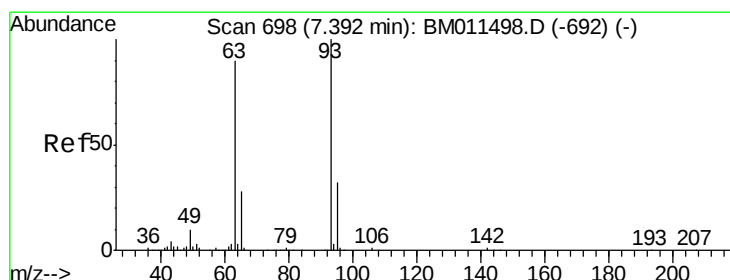
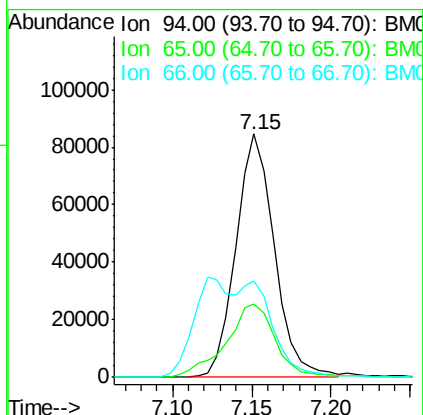
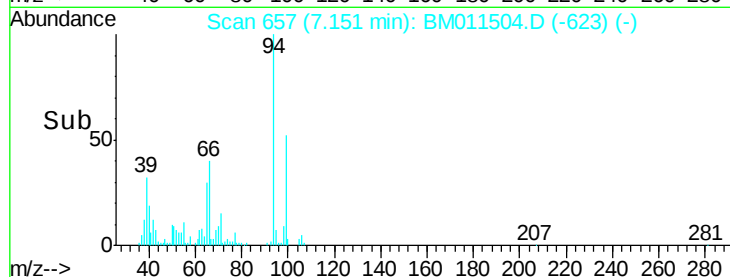
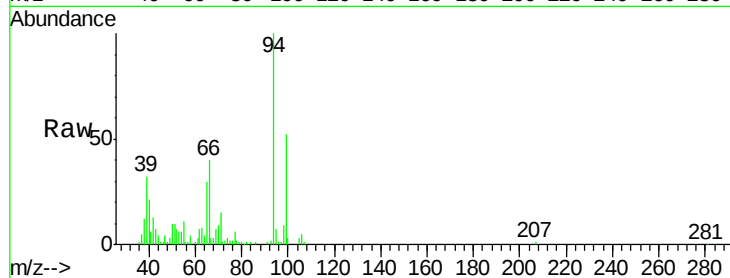
65 30.2 23.0 34.6

66 39.8 30.4 45.6

Manual Integrations
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#8

Bis(2-Chloroethyl)ether

Concen: 4.347 ng/ul

RT: 7.39 min Scan# 698

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

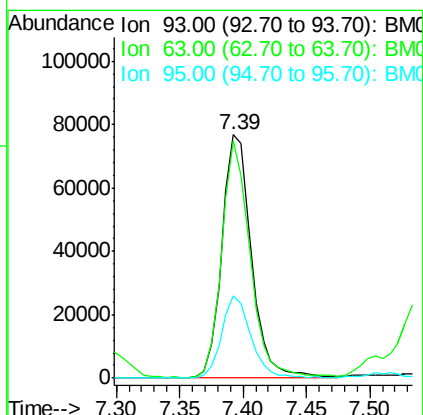
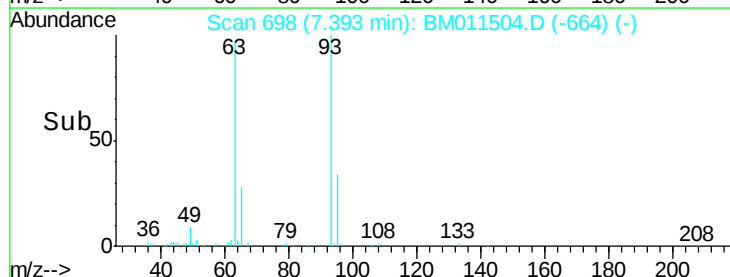
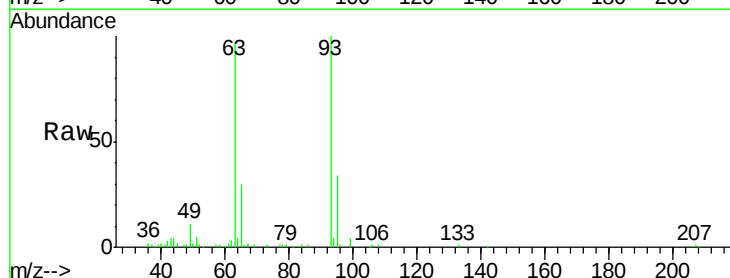
Tgt Ion: 93 Resp: 124466

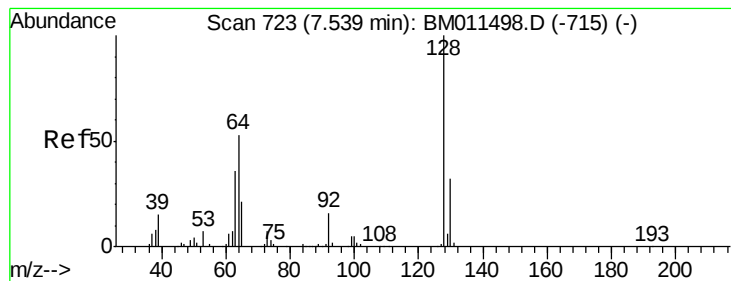
Ion Ratio Lower Upper

93 100

63 97.2 59.4 89.2#

95 33.6 26.4 39.6





#10

2-Chlorophenol

Concen: 4.178 ng/ul

RT: 7.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

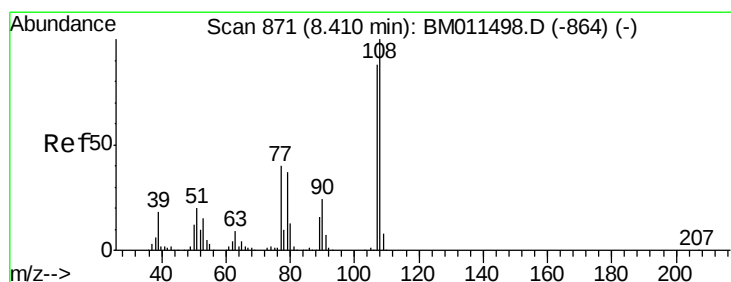
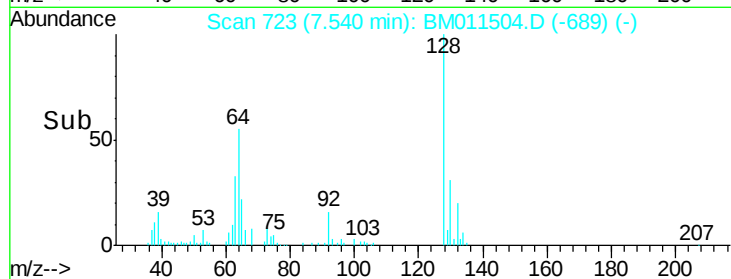
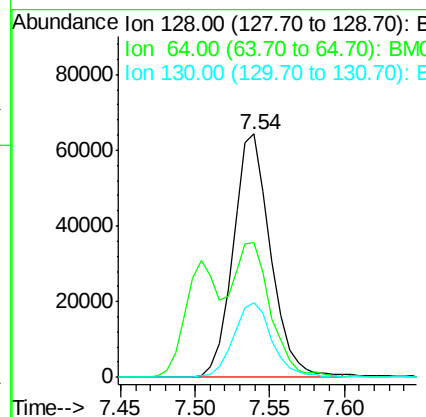
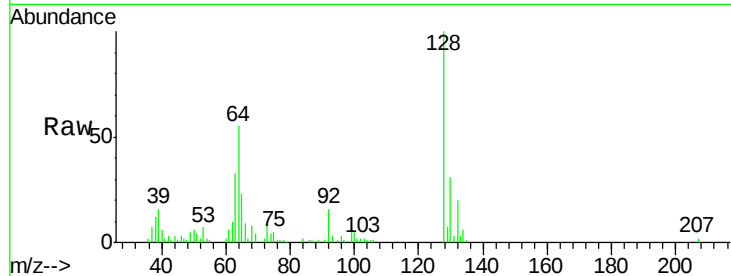
ClientSampleId :

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Tgt Ion:	128	Resp:	112535
Ion Ratio	Lower	Upper	
128	100		
64	55.3	39.8	59.6
130	30.7	25.8	38.8

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#11

2-Methylphenol

Concen: 3.702 ng/ul

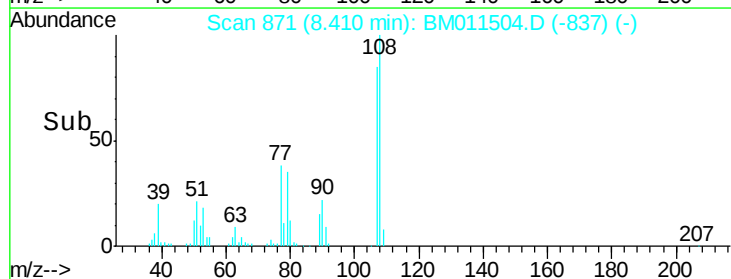
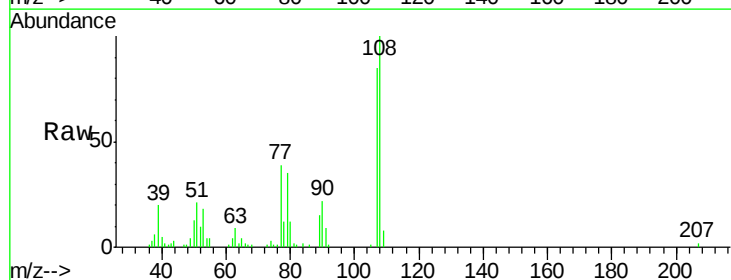
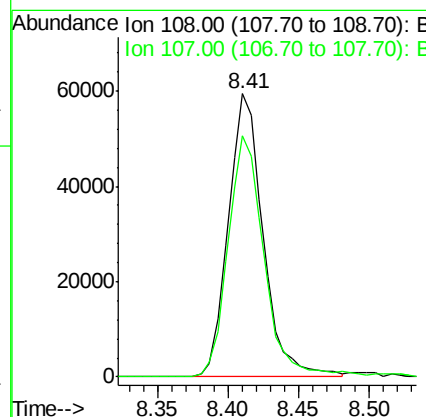
RT: 8.41 min Scan# 871

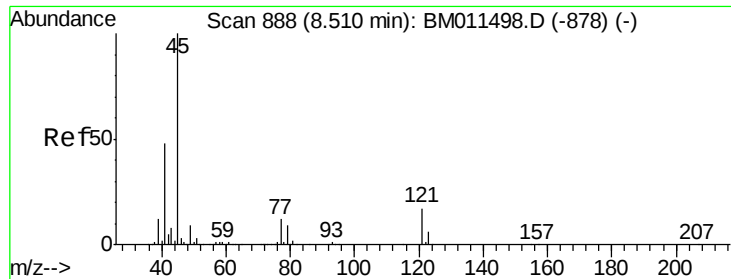
Delta R.T. -0.00 min

Lab File: BM011504.D

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Tgt Ion:	108	Resp:	102068
Ion Ratio	Lower	Upper	
108	100		
107	85.0	74.1	111.1





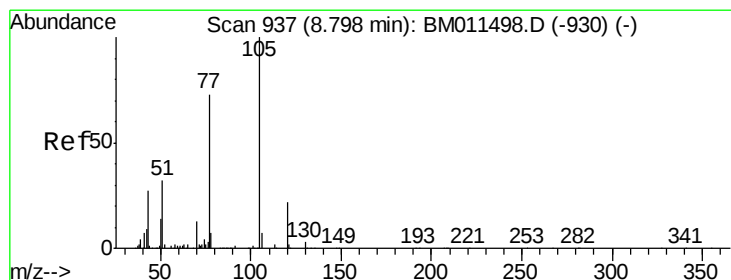
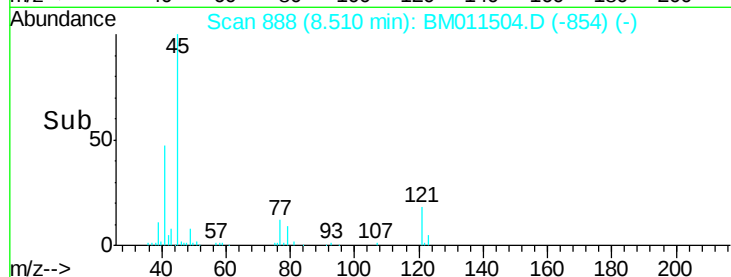
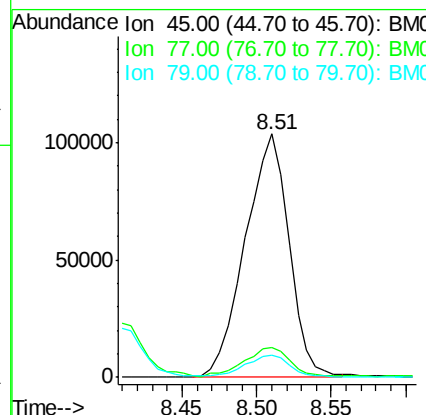
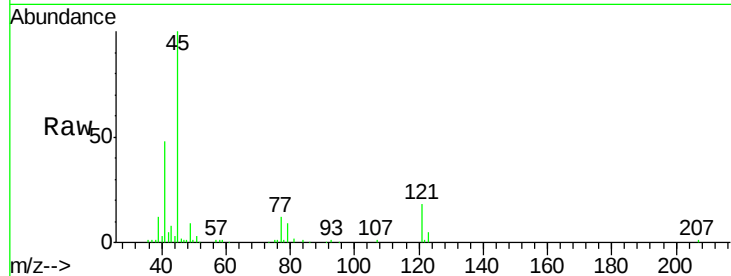
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.542 ng/ul
RT: 8.51 min Scan# 888
Delta R.T. -0.00 min
Lab File: BM011504.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
45	100		
77	12.5	12.5	18.7
79	8.9	9.4	14.2#

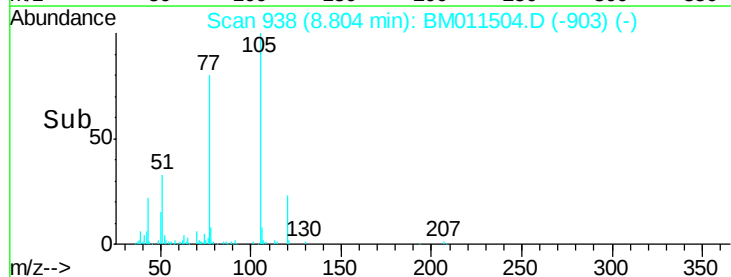
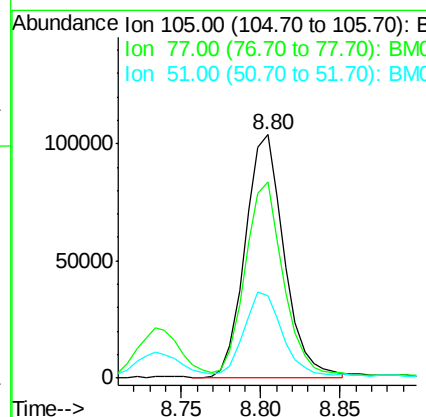
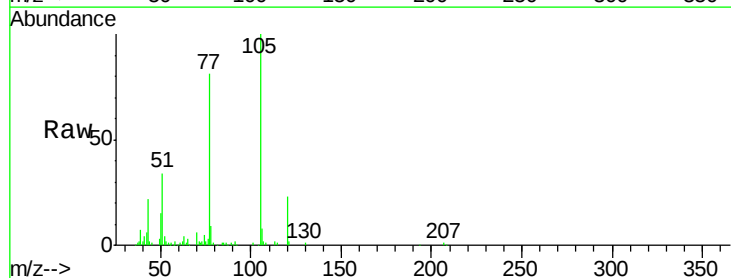
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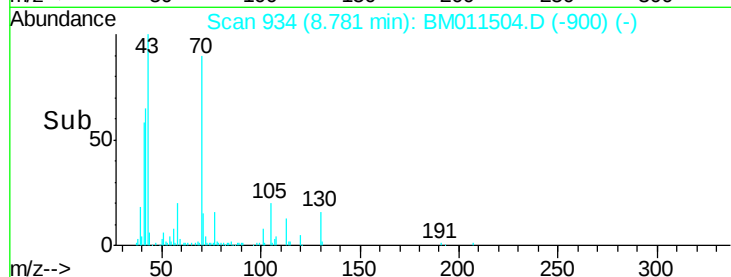
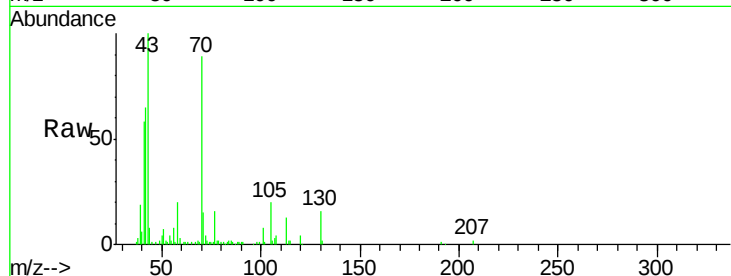
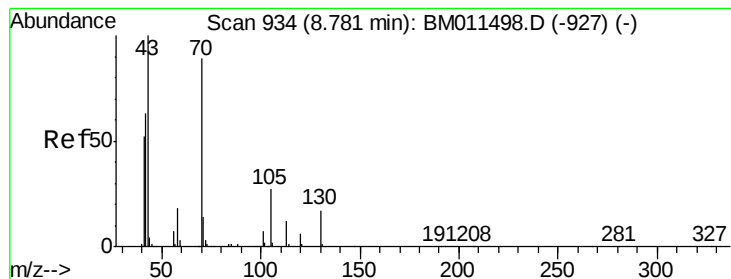
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#14
Acetophenone
Concen: 4.065 ng/ul
RT: 8.80 min Scan# 938
Delta R.T. 0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
77	80.5	63.2	94.8
51	34.0	19.8	29.8#





#15

N-Nitroso-di-n-propylamine

Concen: 4.144 ng/ul

RT: 8.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
70	100		
42	72.7	40.2	60.4#
101	9.0	7.7	11.5
130	17.5	17.8	26.6#

Instrument :

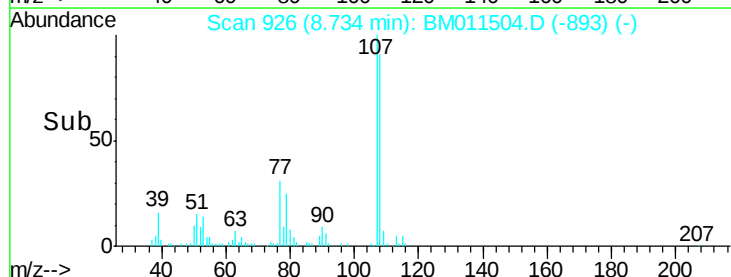
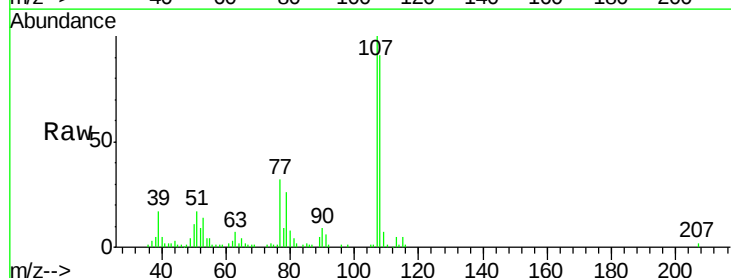
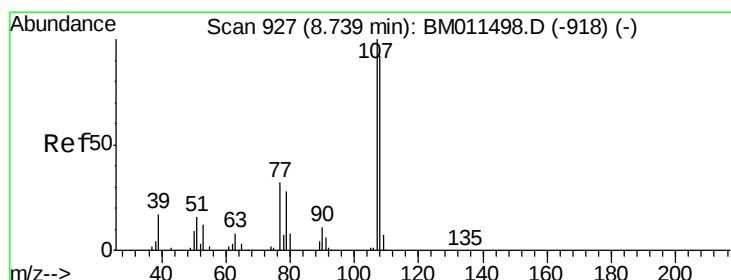
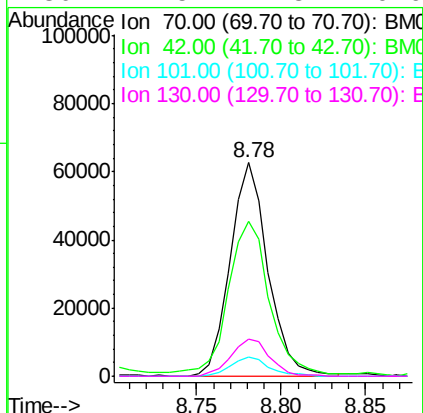
BNA_M

ClientSampleId :

MDL-S-ME-06

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#16

4-Methylphenol

Concen: 3.961 ng/ul

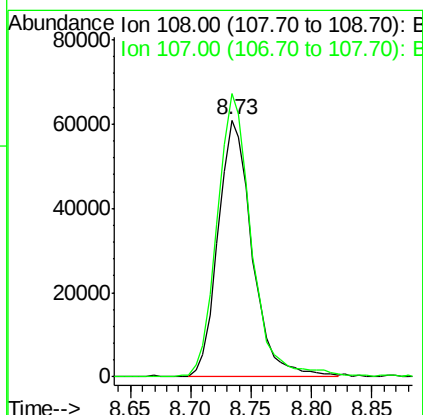
RT: 8.73 min Scan# 926

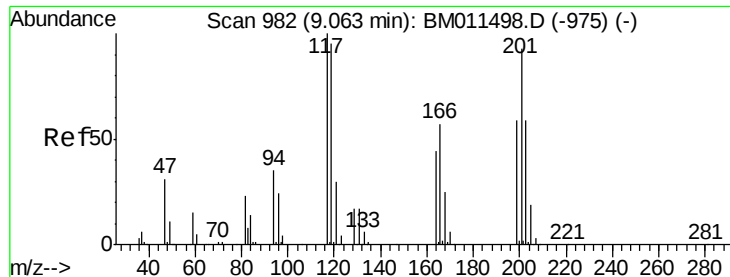
Delta R.T. -0.01 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
108	100		
107	110.3	93.6	140.4





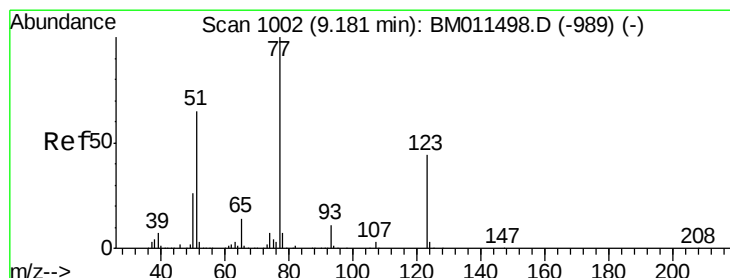
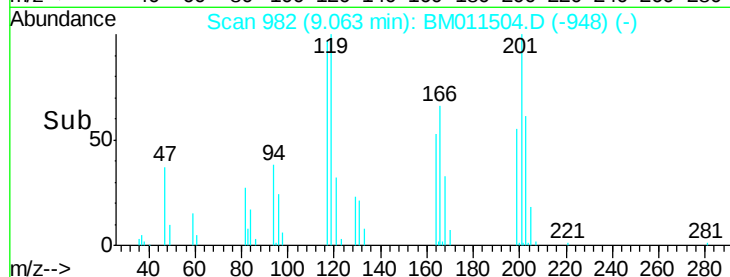
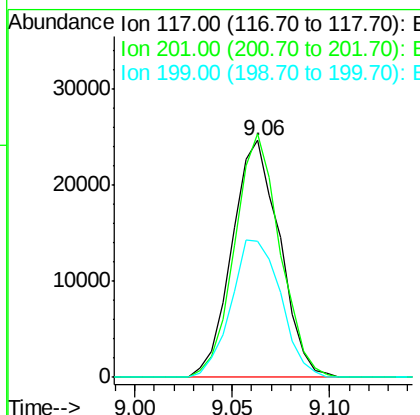
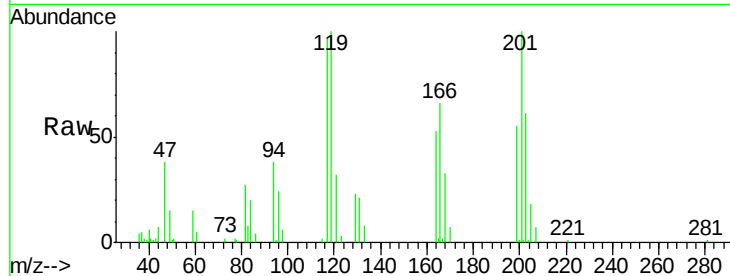
#17
Hexachloroethane
Concen: 4.050 ng/ul
RT: 9.06 min Scan# 982
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion: 117 Resp: 41702
Ion Ratio Lower Upper
117 100
201 104.3 96.1 144.1
199 58.8 59.7 89.5#

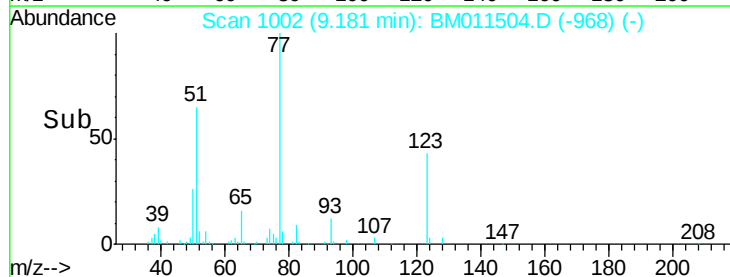
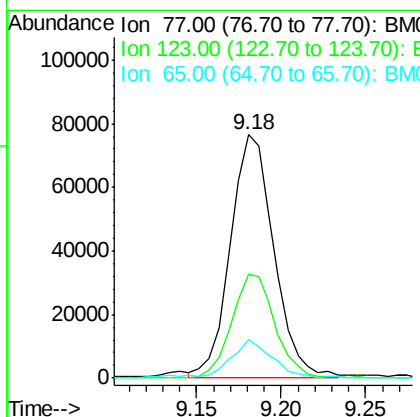
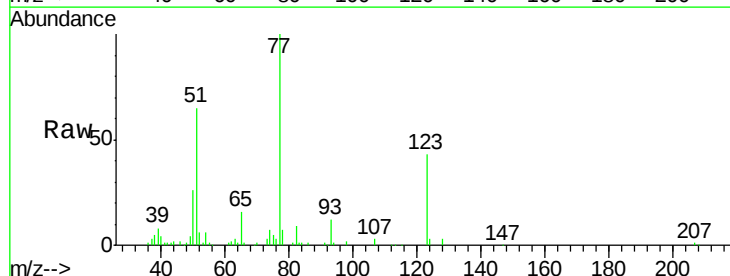
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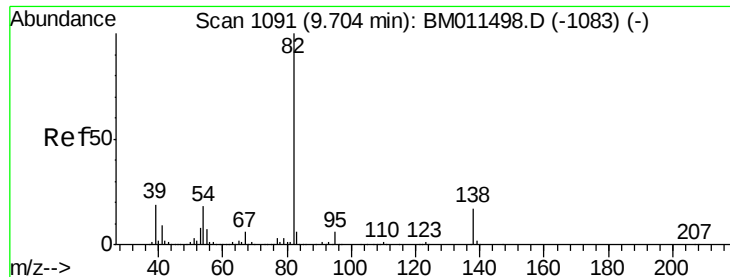
Sohil
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#20
Nitrobenzene
Concen: 4.402 ng/ul
RT: 9.18 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion: 77 Resp: 136786
Ion Ratio Lower Upper
77 100
123 42.8 31.8 47.8
65 15.8 10.6 16.0





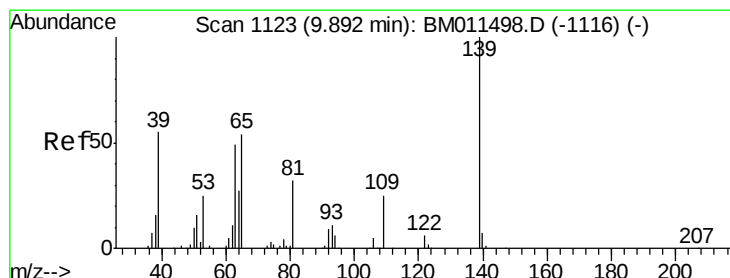
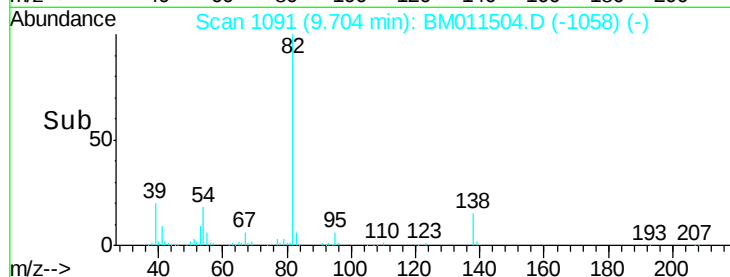
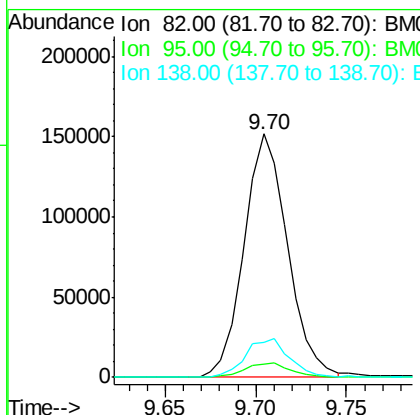
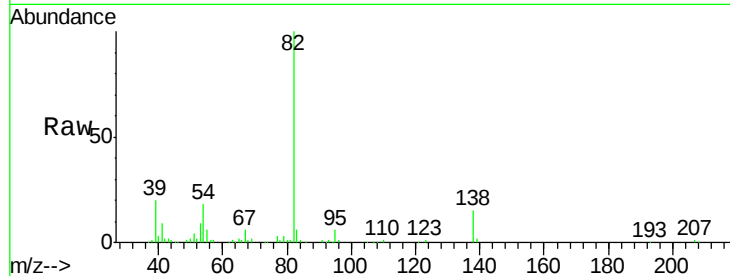
#21
Isophorone
Concen: 4.057 ng/ul
RT: 9.70 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
95	5.6	6.1	9.1#
138	14.6	13.5	20.3

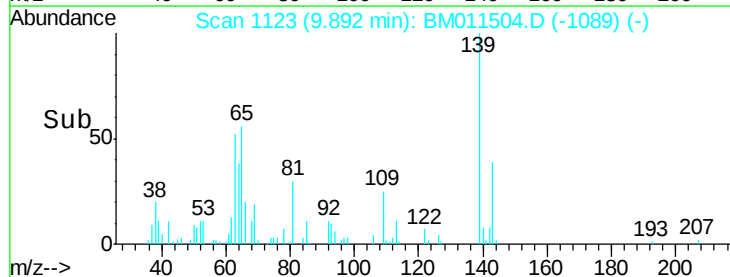
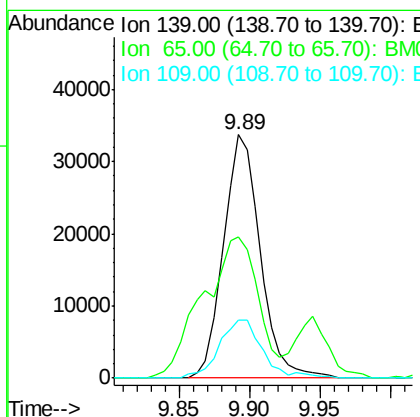
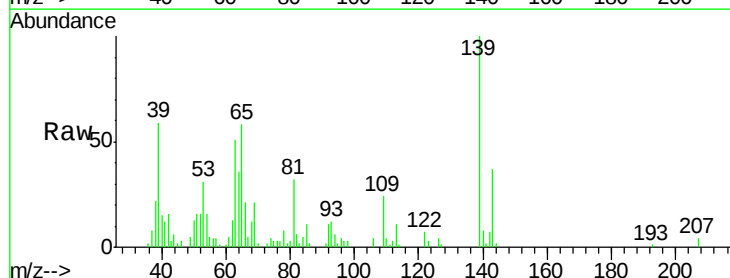
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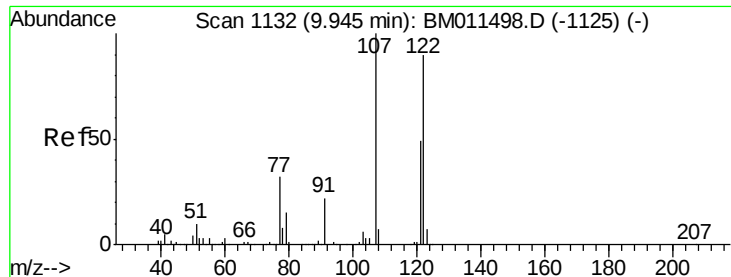
Sohil
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#23
2-Nitrophenol
Concen: 4.243 ng/ul
RT: 9.89 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
65	58.0	45.3	67.9
109	23.7	27.7	41.5#





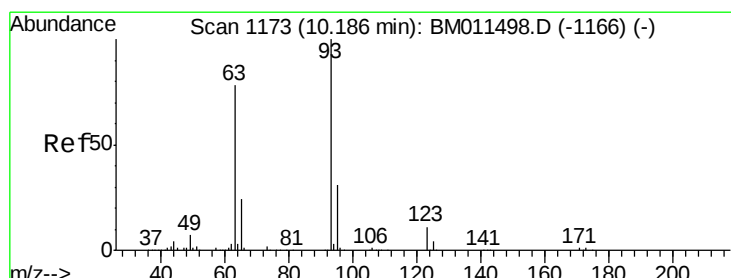
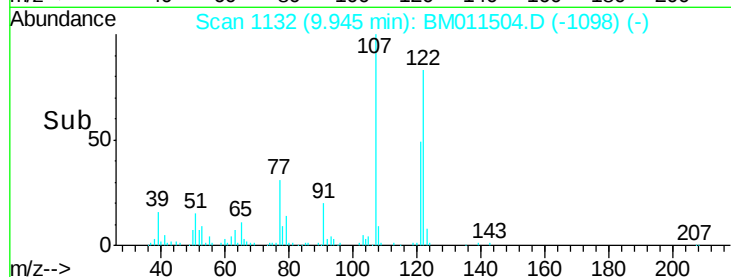
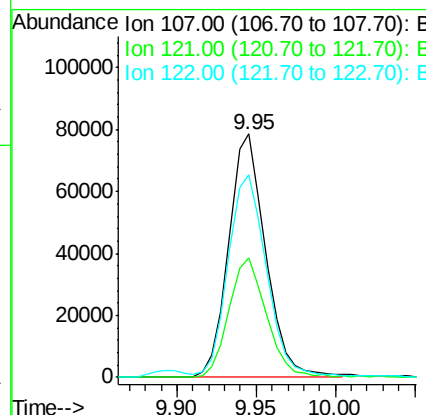
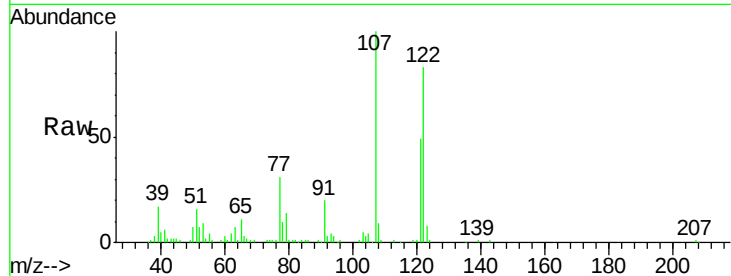
#24
2,4-Dimethylphenol
Concen: 4.122 ng/ul
RT: 9.95 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	127299		
121	49.2	38.1	57.1	
122	83.4	63.8	95.8	

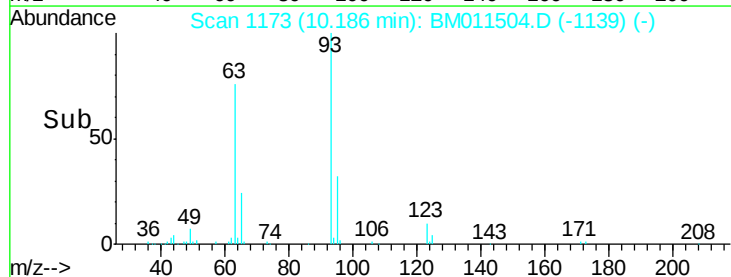
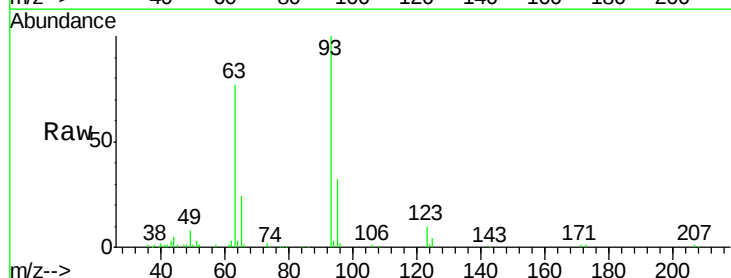
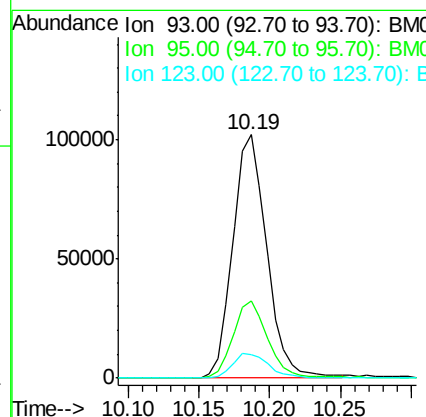
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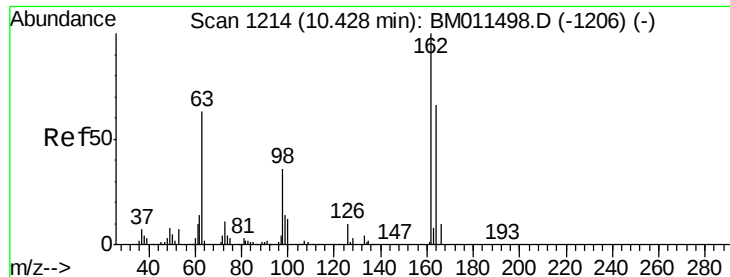
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#25
Bis(2-Chloroethoxy)methane
Concen: 4.218 ng/ul
RT: 10.19 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	172070		
95	31.9	24.7	37.1	
123	9.8	8.2	12.2	





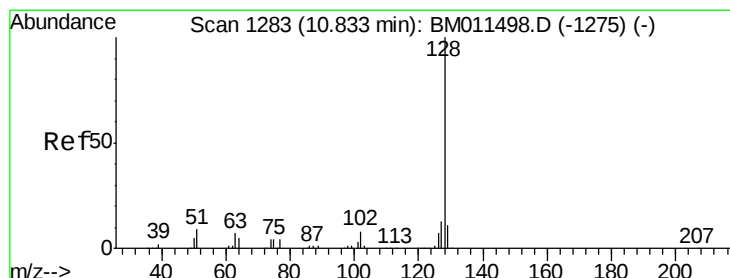
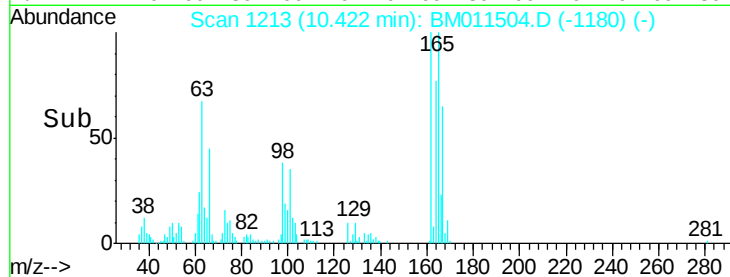
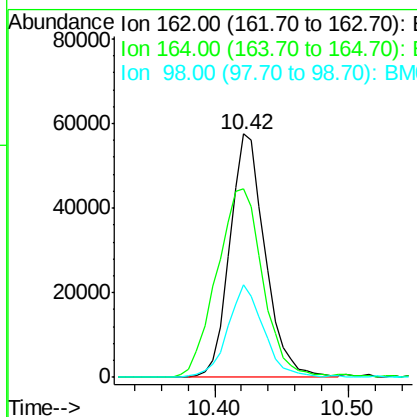
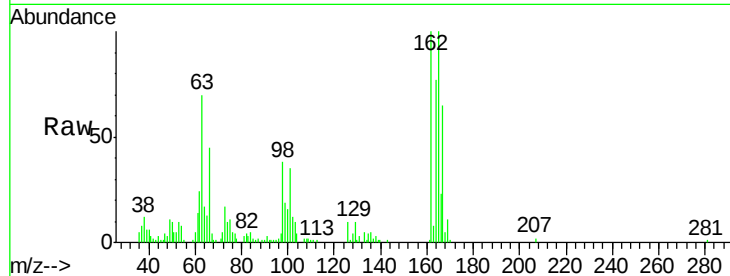
#27
 2,4-Dichlorophenol
 Concen: 3.979 ng/ul
 RT: 10.42 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	106082		
164	77.2	52.0	78.0	
98	38.2	26.6	39.8	

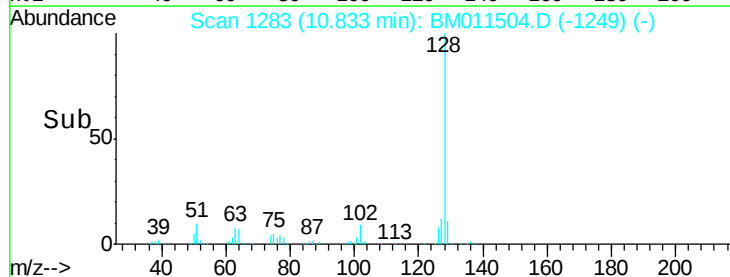
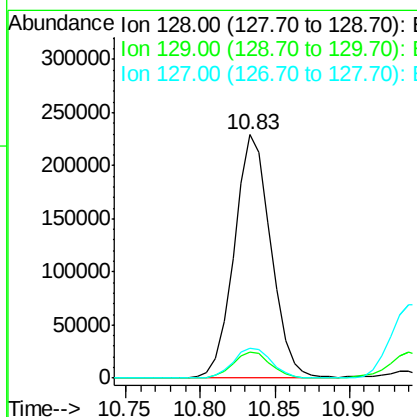
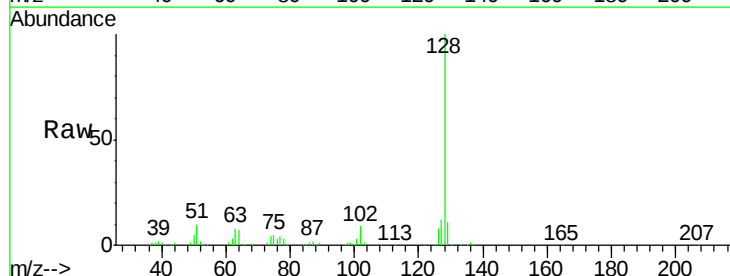
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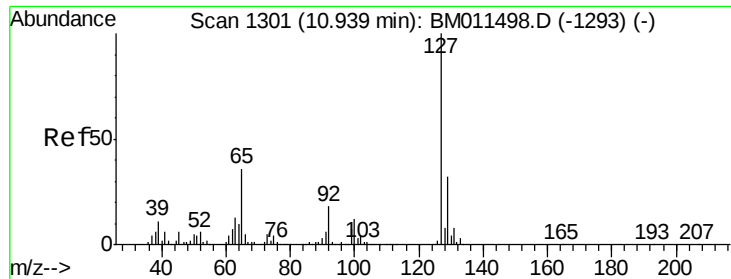
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#28
 Naphthalene
 Concen: 4.334 ng/ul
 RT: 10.83 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	391268		
129	10.9	8.3	12.5	
127	12.3	10.8	16.2	





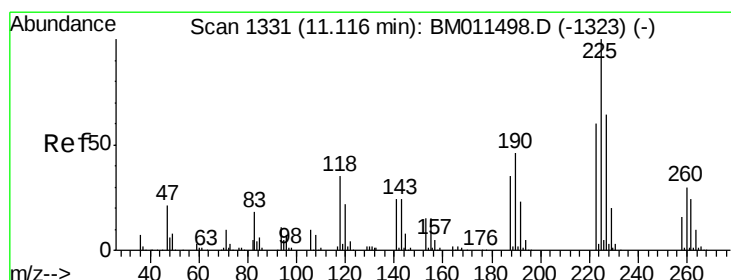
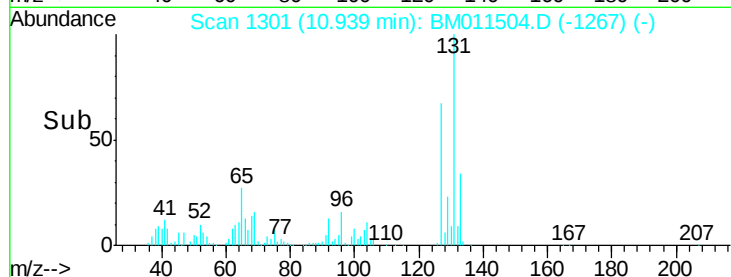
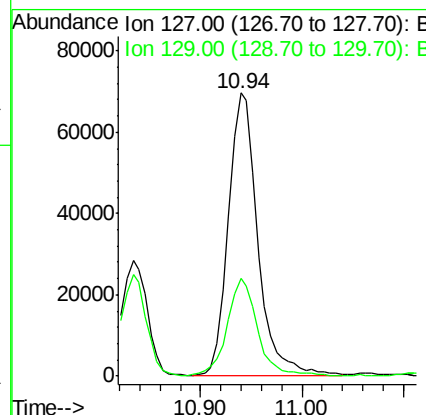
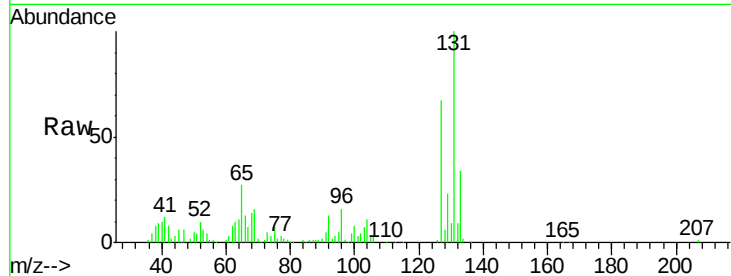
#30
4-Chloroaniline
Concen: 4.890 ng/ul
RT: 10.94 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	141781		
129	34.7	24.6	37.0	

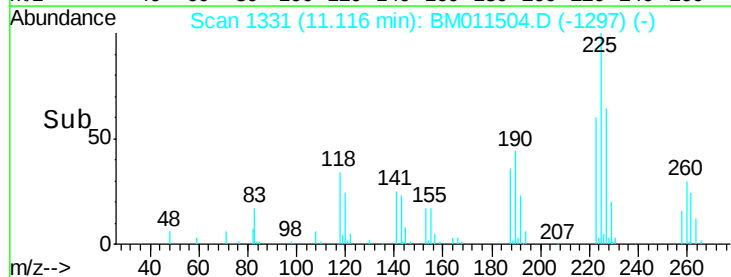
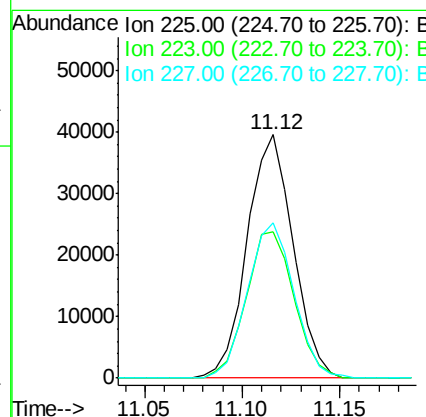
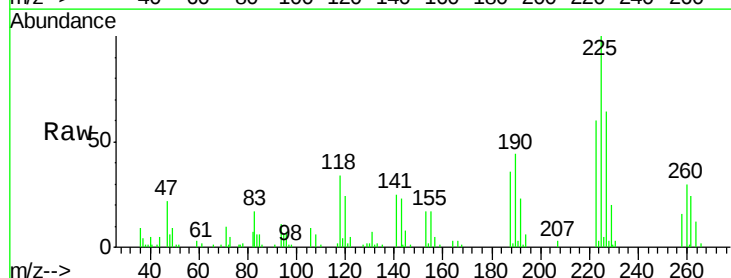
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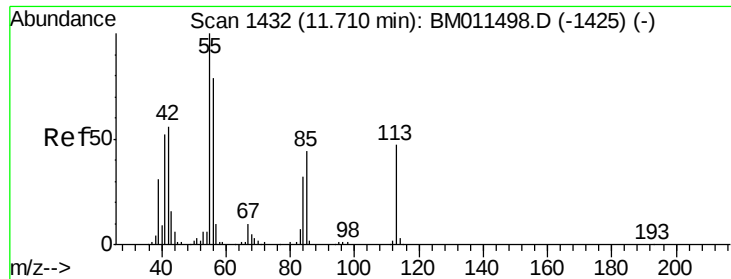
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#31
Hexachlorobutadiene
Concen: 4.259 ng/ul
RT: 11.12 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64445		
223	57.2	48.1	72.1	
227	63.7	52.1	78.1	





#32

Caprolactam

Concen: 3.367 ng/ul m

RT: 11.75 min Scan# 1438

Delta R.T. 0.03 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

ClientSampleId :

MDL-S-ME-06

Tgt Ion:113 Resp: 28257
Ion Ratio Lower Upper

113 100

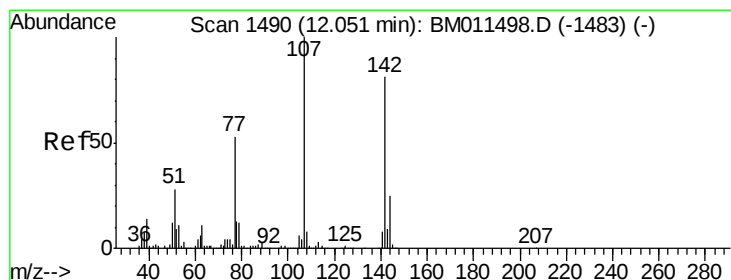
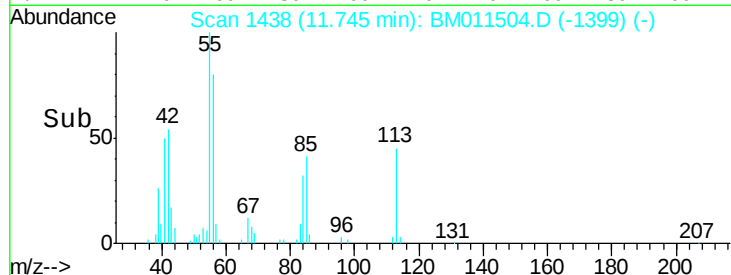
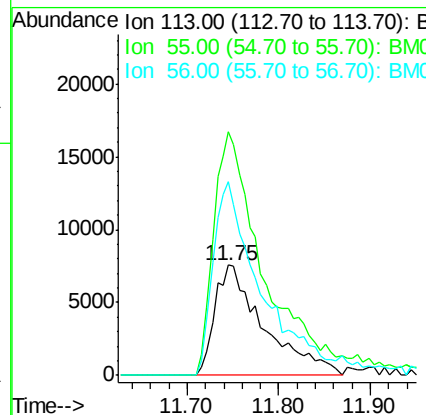
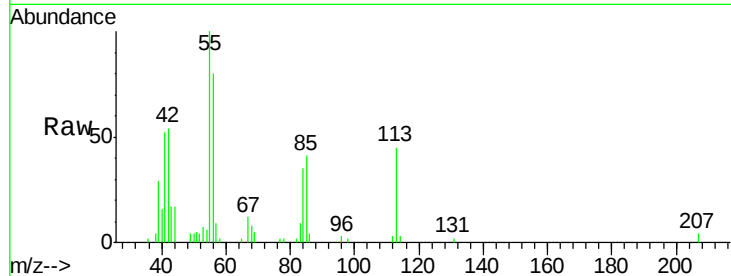
55 220.4 131.7 197.5#

56 175.2 92.7 139.1#

Manual Integrations
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#33

4-Chloro-3-methylphenol

Concen: 3.788 ng/ul

RT: 12.05 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BM011504.D

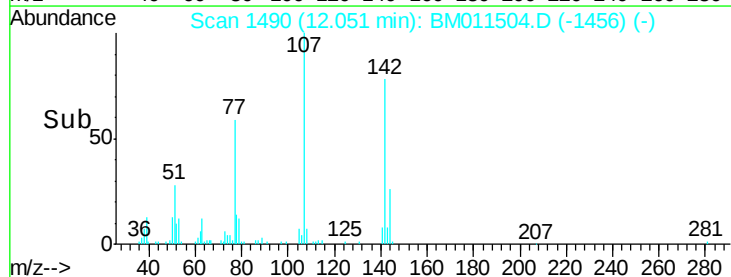
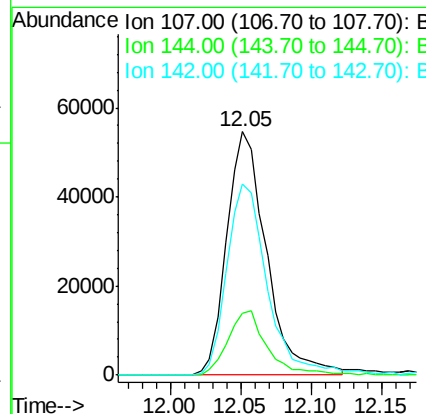
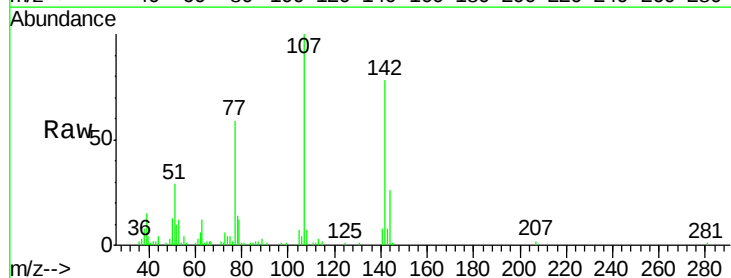
Acq: 11 Sep 2017 19:39

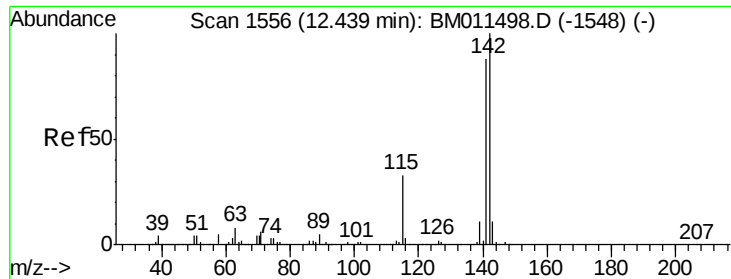
Tgt Ion:107 Resp: 107065
Ion Ratio Lower Upper

107 100

144 25.5 21.1 31.7

142 78.5 60.1 90.1





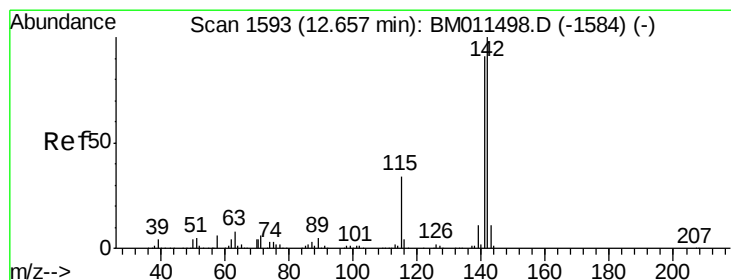
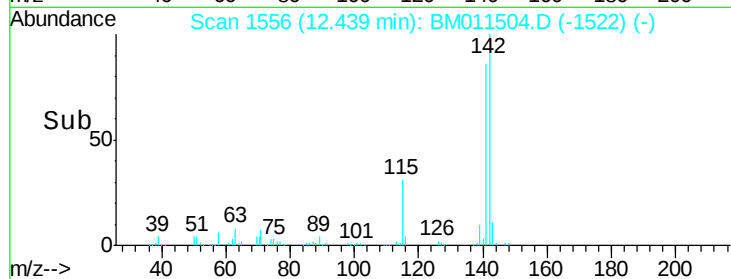
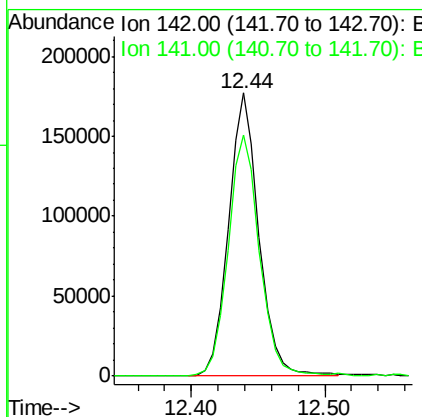
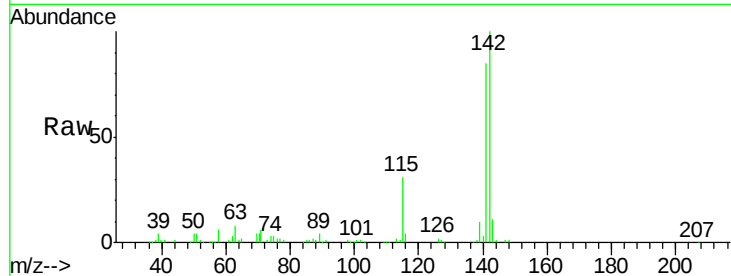
#34
2-Methylnaphthalene
Concen: 4.183 ng/ul
RT: 12.44 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	280429		
141	85.4	71.4	107.2	

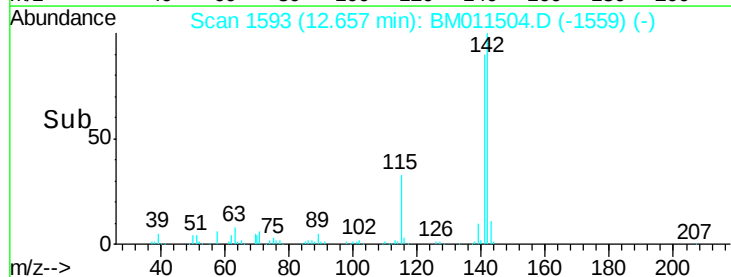
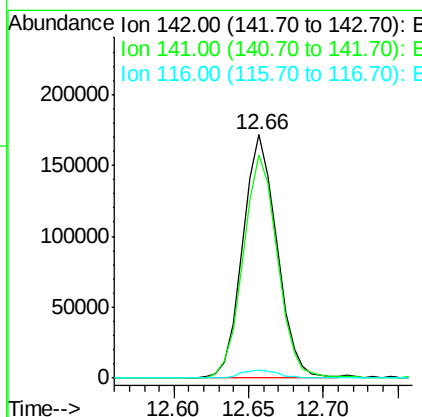
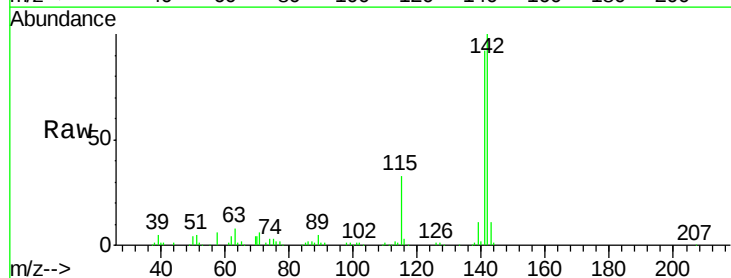
Manual Integrations
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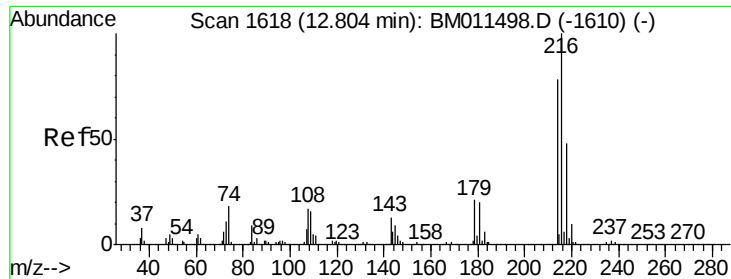
Sohil
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#35
1-Methylnaphthalene
Concen: 4.245 ng/ul
RT: 12.66 min Scan# 1593
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	271043		
141	91.5	76.6	115.0	
116	3.4	3.6	5.4#	





#37

1,2,4,5-Tetrachlorobenzene

Concen: 4.180 ng/ul

RT: 12.80 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

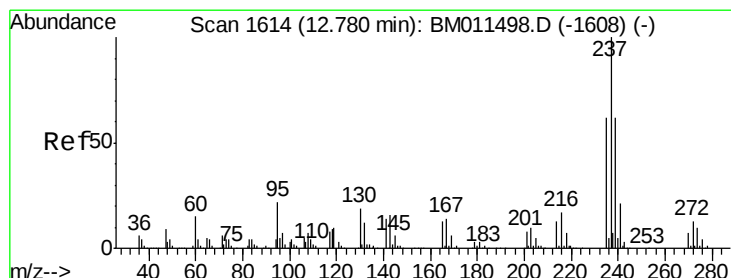
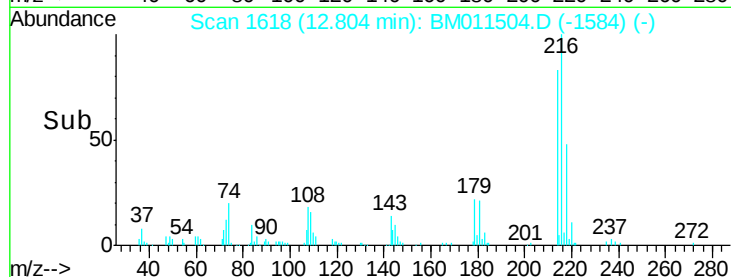
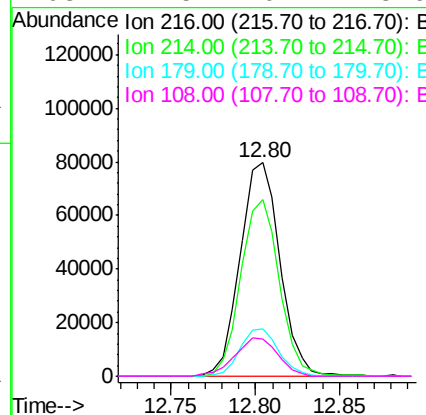
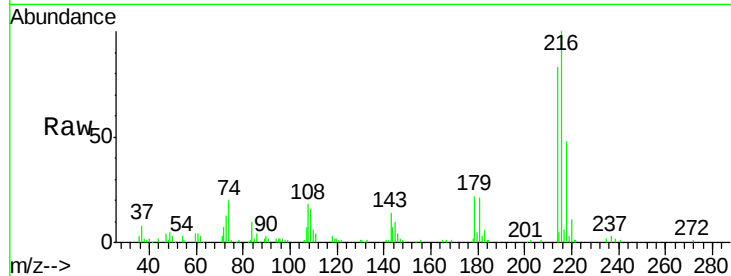
ClientSampleId :

MDL-S-ME-06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
216	100		131252		
214	82.8	64.1	96.1		
179	22.0	14.5	21.7#		
108	17.5	10.4	15.6#		

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#38

Hexachlorocyclopentadiene

Concen: 2.941 ng/ul

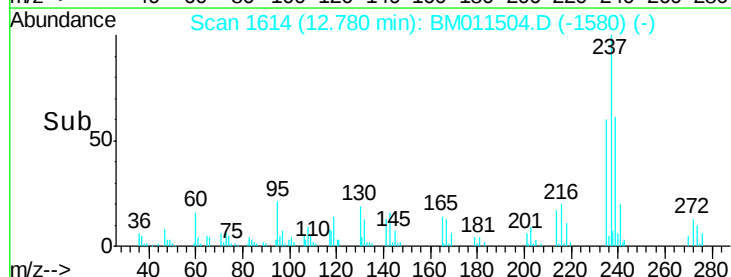
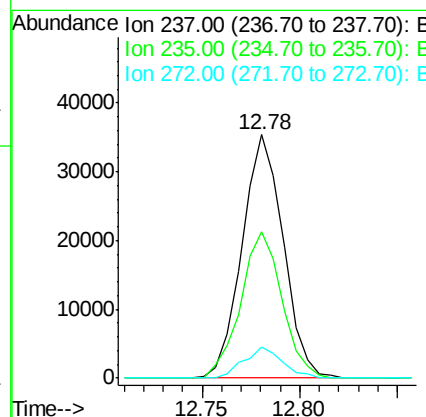
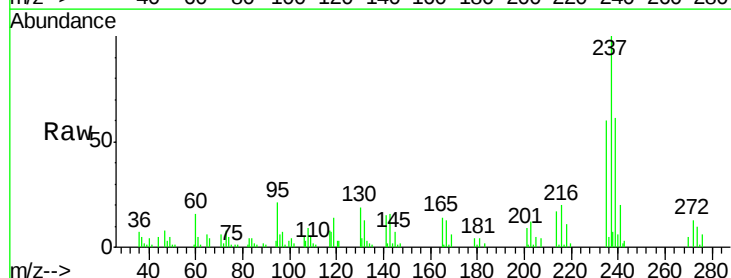
RT: 12.78 min Scan# 1614

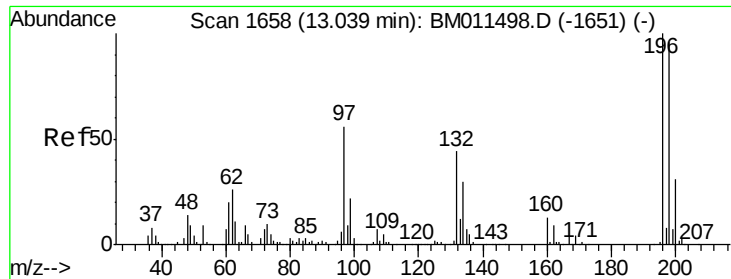
Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		51762		
235	60.1	49.5	74.3		
272	12.7	8.6	12.8		





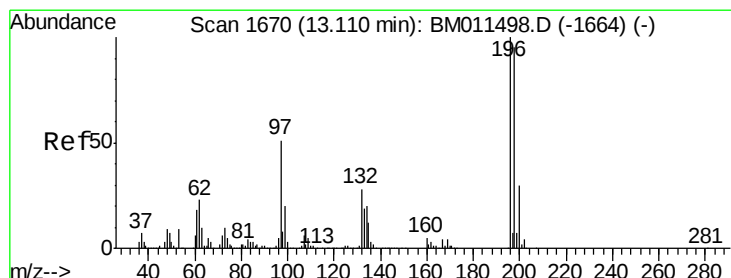
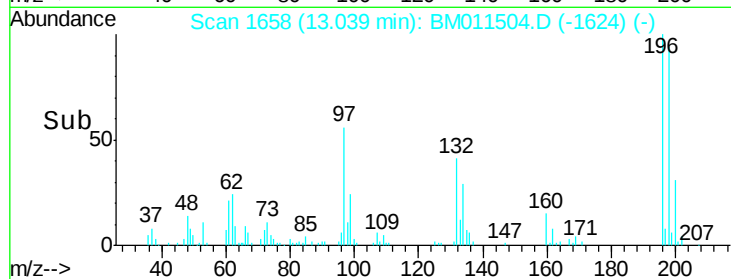
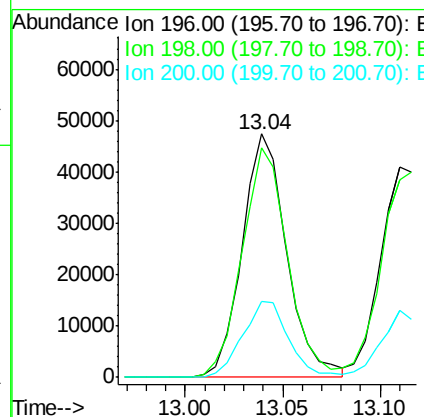
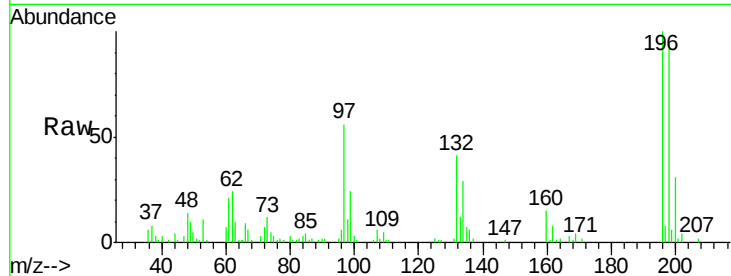
#39
 2,4,6-Trichlorophenol
 Concen: 3.508 ng/ul
 RT: 13.04 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	74997		
198	94.2	75.9	113.9	
200	33.7	25.8	38.6	

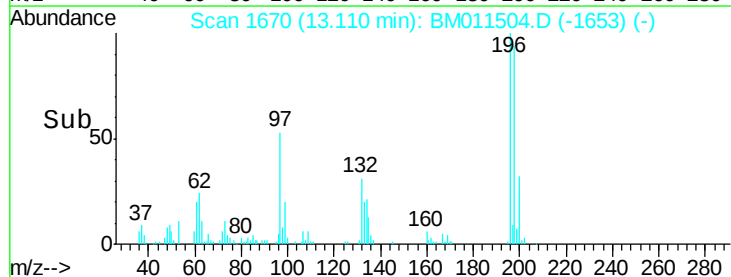
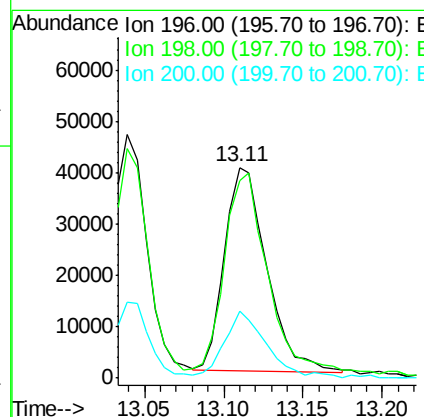
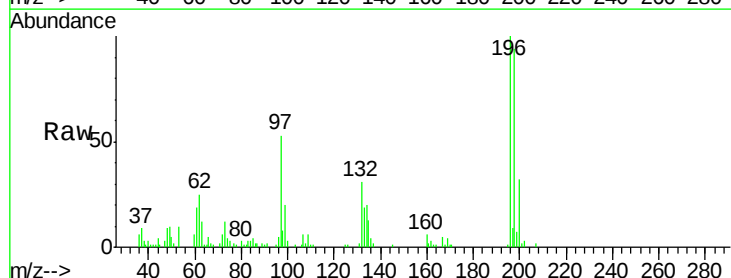
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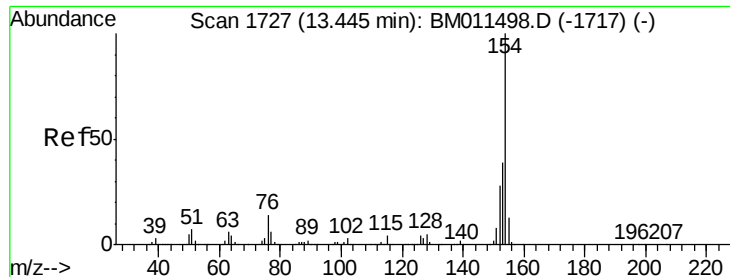
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#40
 2,4,5-Trichlorophenol
 Concen: 3.411 ng/ul
 RT: 13.11 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	73925		
198	93.8	74.7	112.1	
200	31.9	25.4	38.0	





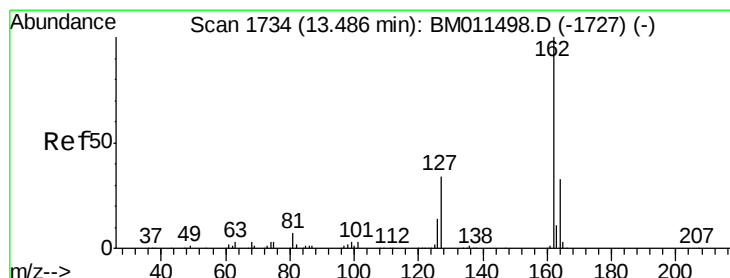
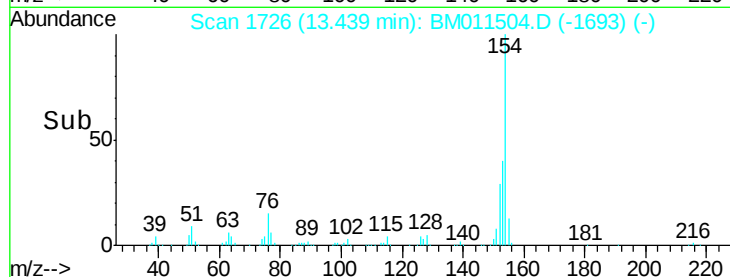
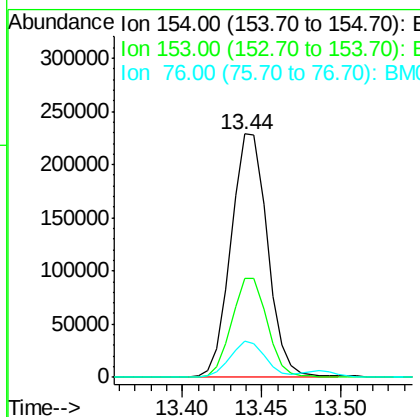
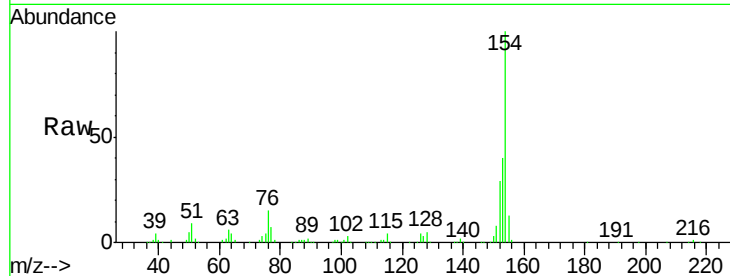
#41
1,1'-Biphenyl
Concen: 4.133 ng/ul
RT: 13.44 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	40.5	34.0	51.0
76	15.1	8.4	12.6

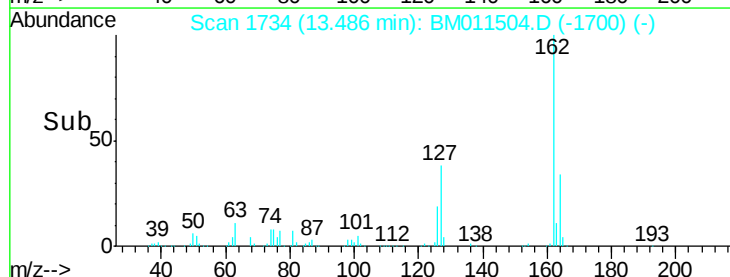
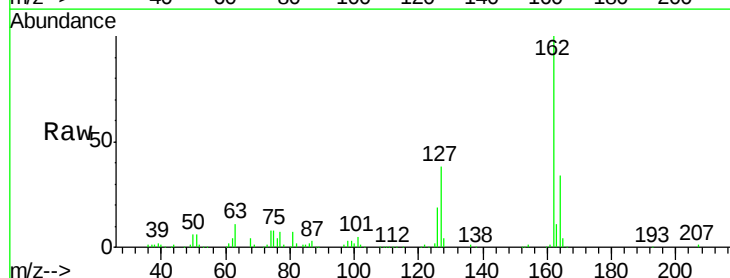
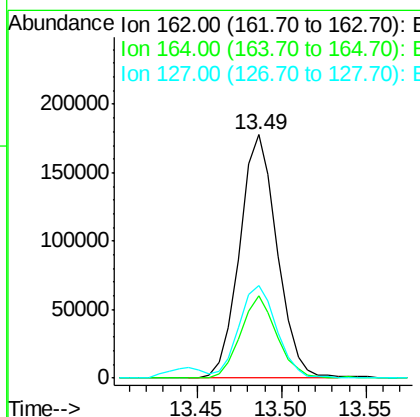
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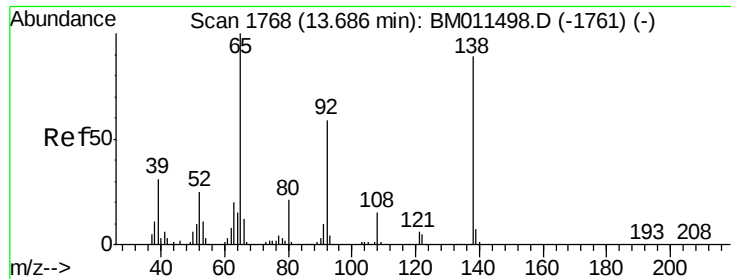
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#42
2-Chloronaphthalene
Concen: 4.155 ng/ul
RT: 13.49 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	33.9	26.2	39.4
127	37.9	29.5	44.3





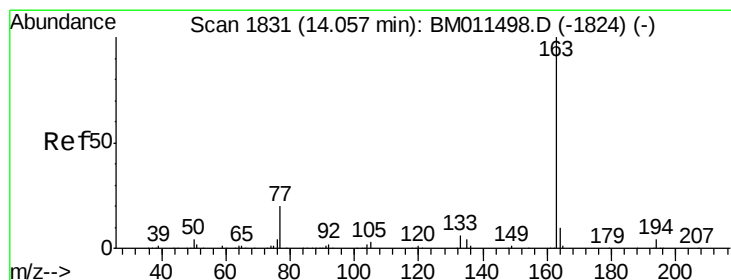
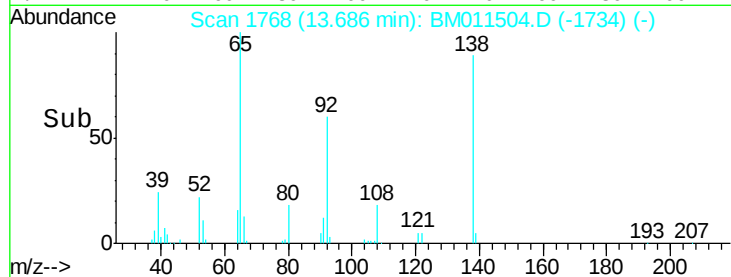
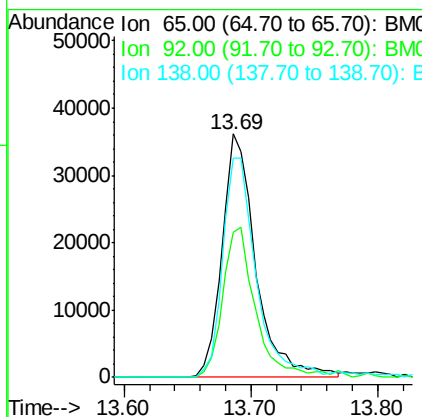
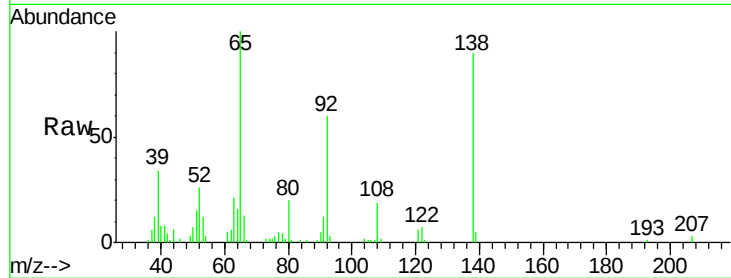
#43
2-Nitroaniline
Concen: 3.249 ng/ul
RT: 13.69 min Scan# 1768
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.7	57.0	85.4
138	90.2	87.2	130.8

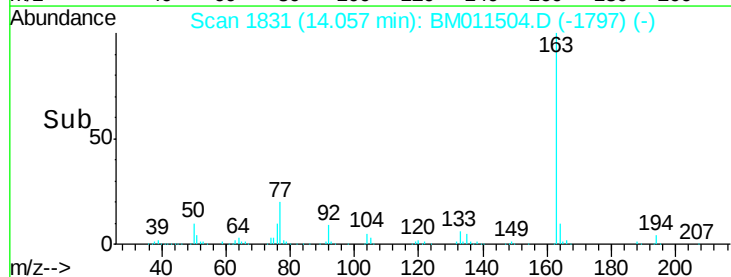
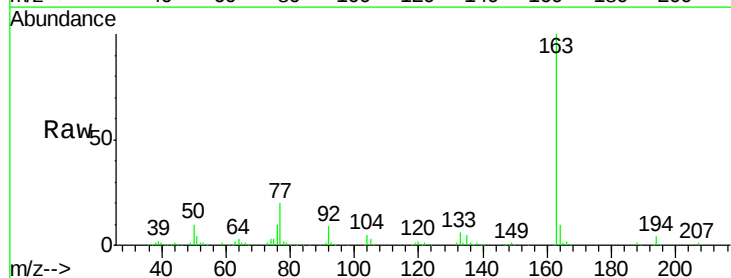
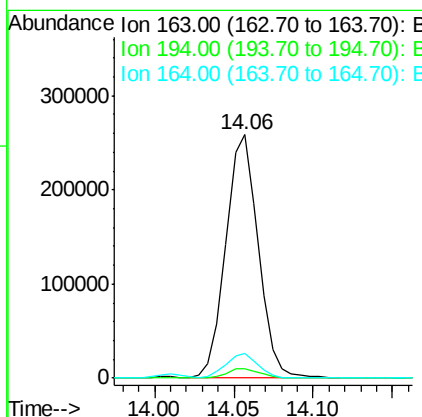
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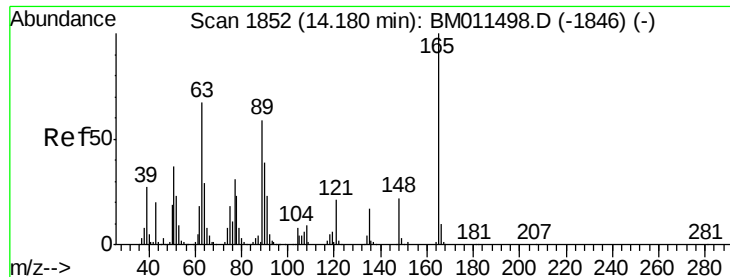
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#45
Dimethylphthalate
Concen: 4.274 ng/ul
RT: 14.06 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	4.0	6.0#
164	10.4	8.4	12.6





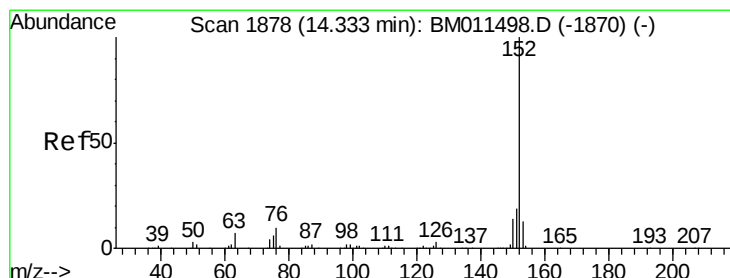
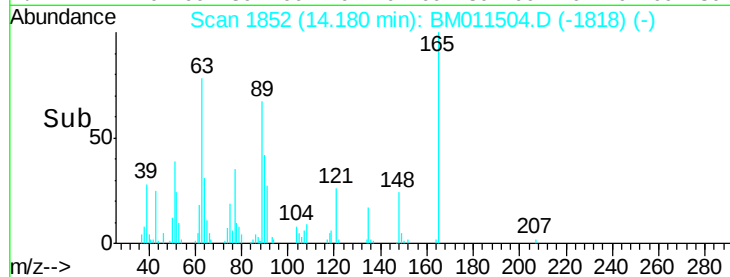
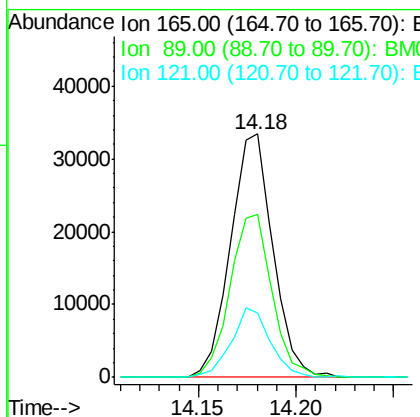
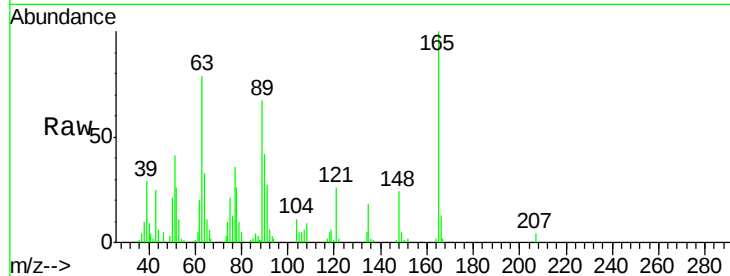
#46
 2,6-Dinitrotoluene
 Concen: 3.325 ng/ul
 RT: 14.18 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	50301		
89	66.8	43.8	65.8#	
121	26.3	17.8	26.6	

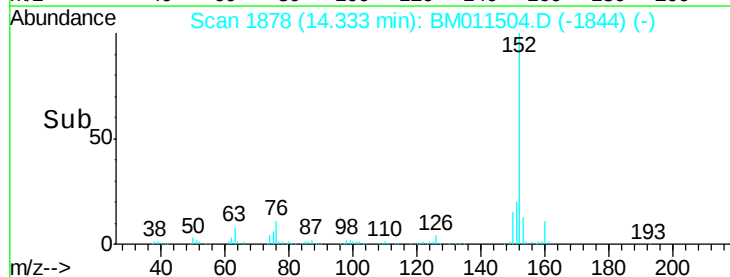
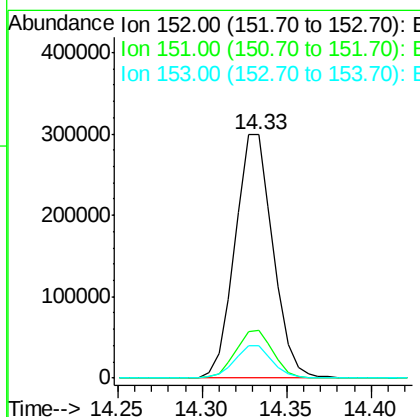
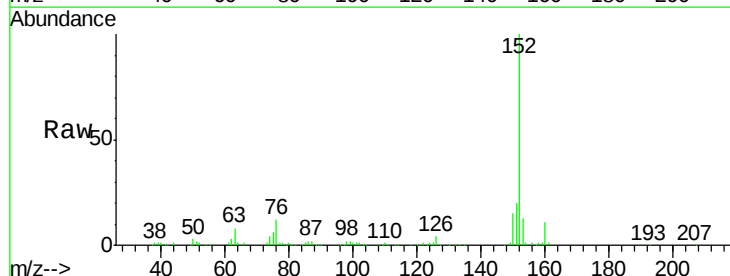
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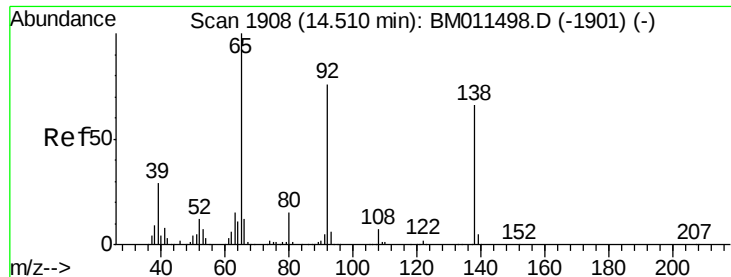
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#48
 Acenaphthylene
 Concen: 4.283 ng/ul
 RT: 14.33 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	466463		
151	19.6	16.1	24.1	
153	13.4	10.8	16.2	





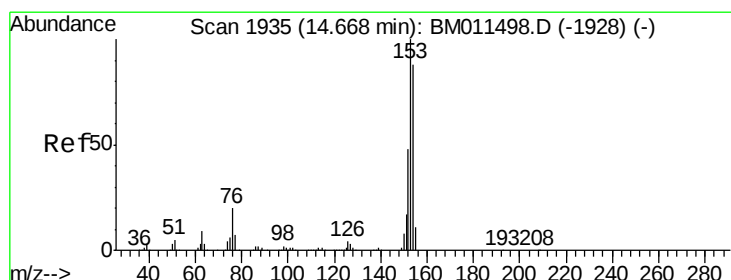
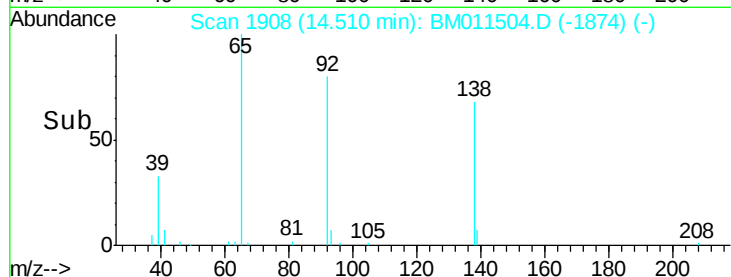
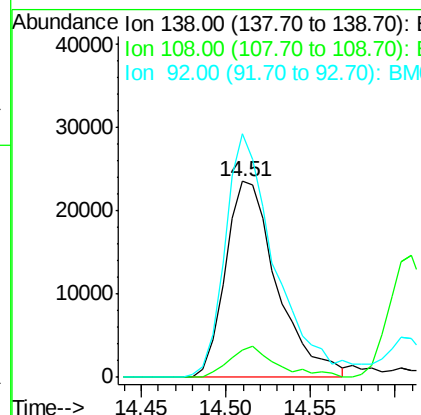
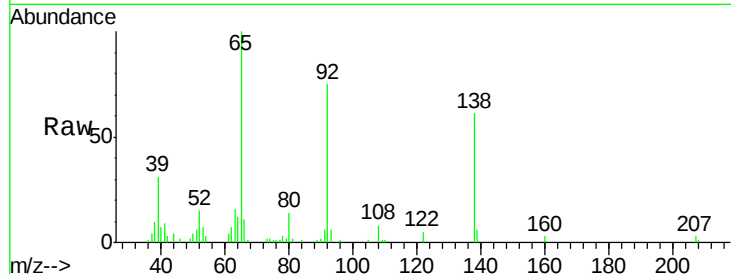
#49
3-Nitroaniline
Concen: 2.682 ng/ul
RT: 14.51 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Lower	Upper
138	100		
108	13.9	7.6	11.4#
92	124.2	94.2	141.2

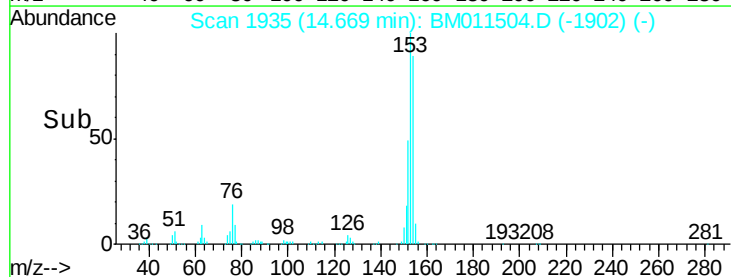
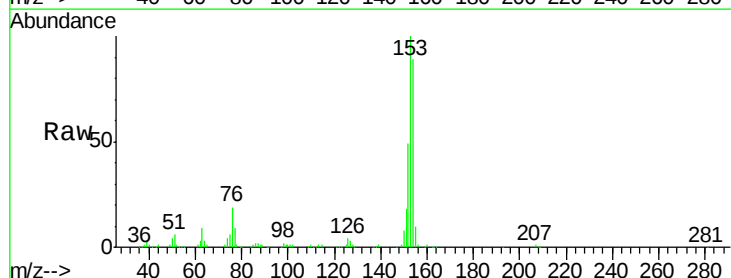
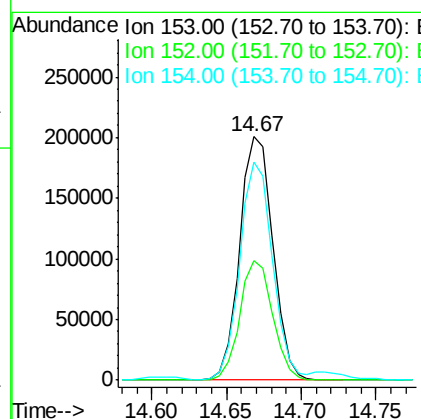
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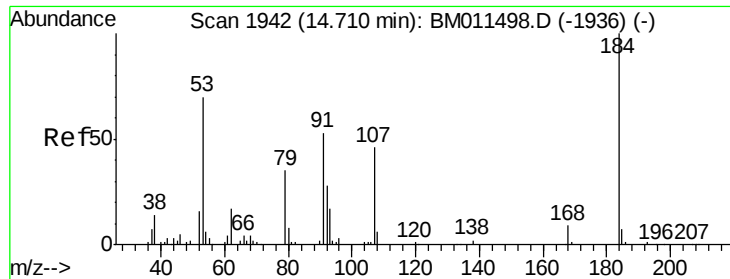
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#50
Acenaphthene
Concen: 4.225 ng/ul
RT: 14.67 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.9	56.9
154	89.5	69.8	104.6





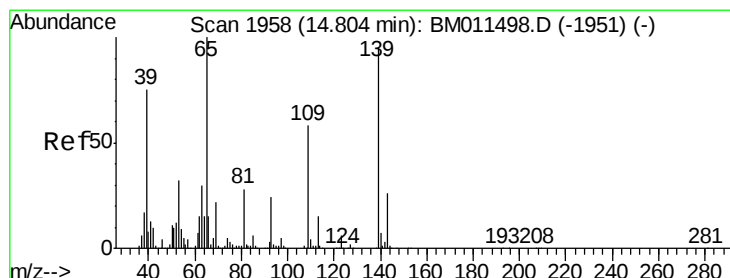
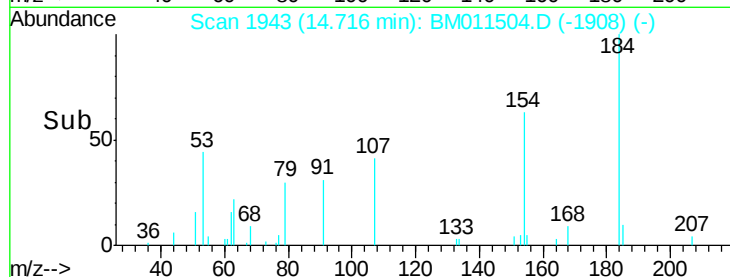
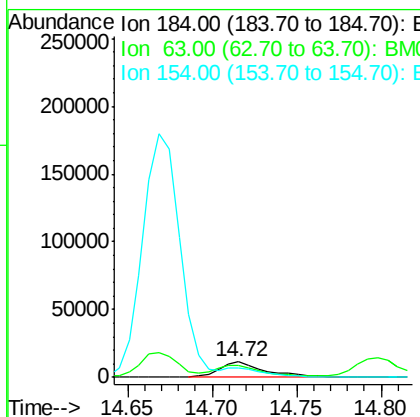
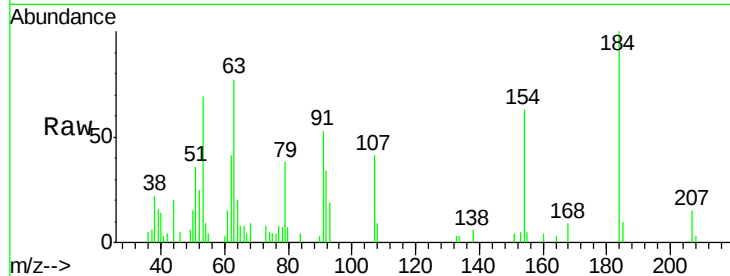
#51
2,4-Dinitrophenol
Concen: 2.280 ng/ul
RT: 14.72 min Scan# 1943
Delta R.T. 0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	21314		
63	77.5	39.7	59.5#	
154	63.1	45.0	67.6	

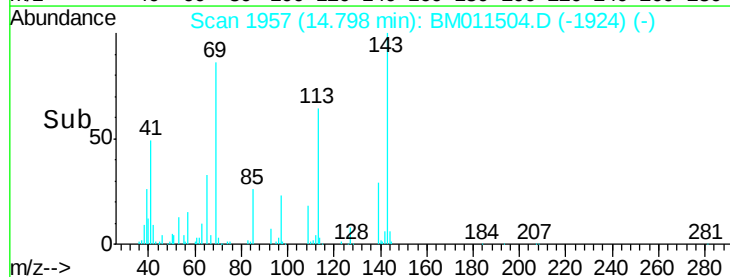
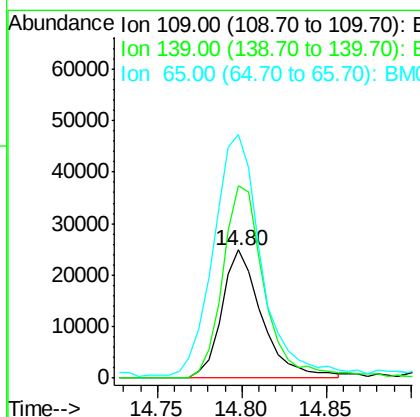
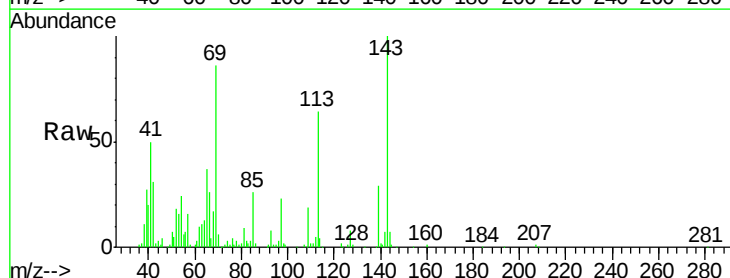
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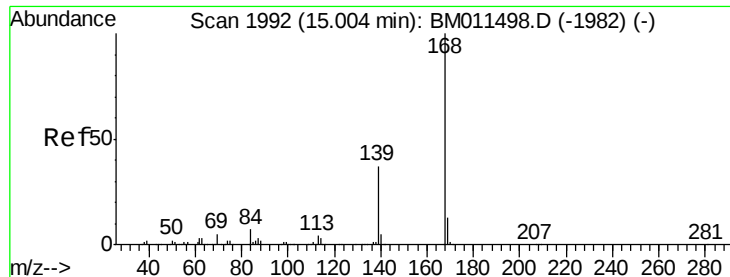
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#53
4-Nitrophenol
Concen: 3.818 ng/ul
RT: 14.80 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	41265		
139	150.2	91.2	136.8#	
65	190.0	92.6	139.0#	





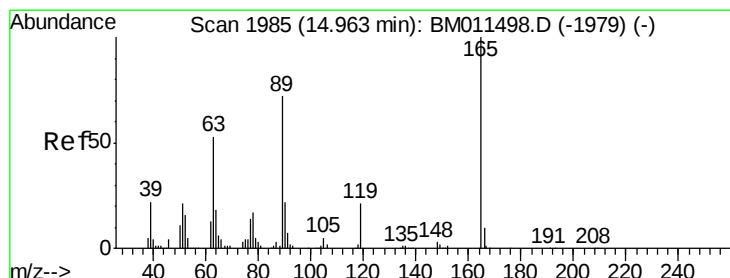
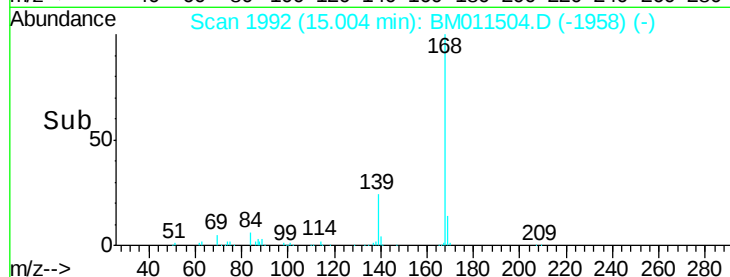
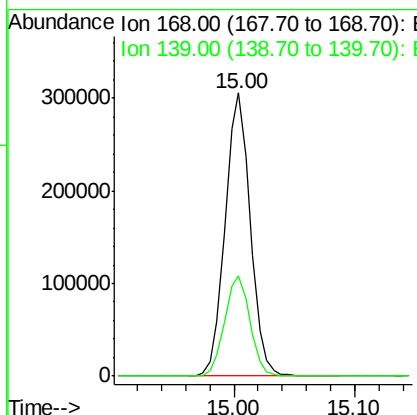
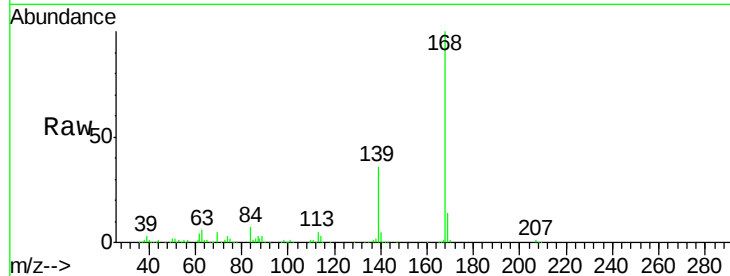
#54
Dibenzofuran
Concen: 4.284 ng/ul
RT: 15.00 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	441045		
139	35.6	31.0	46.4	

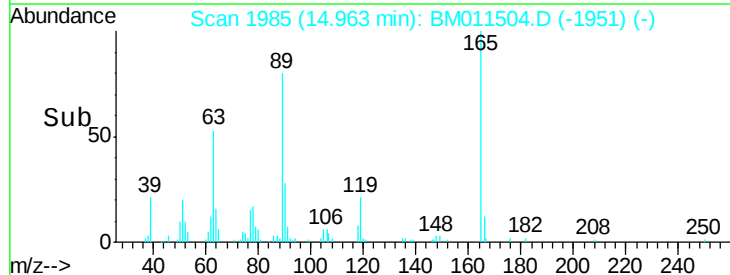
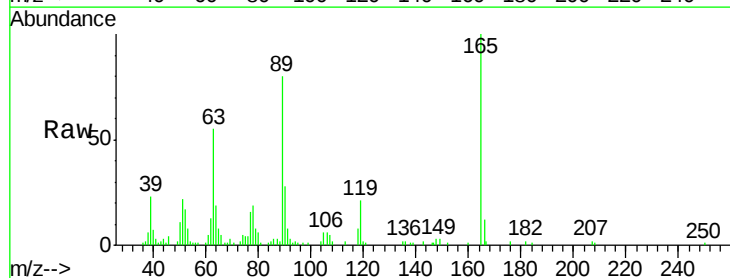
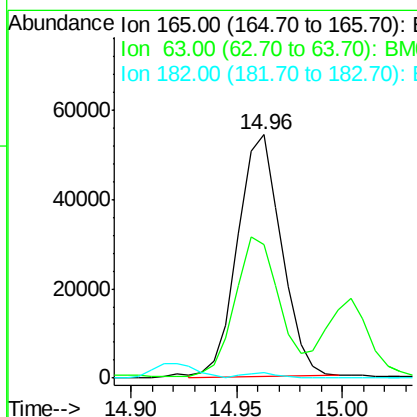
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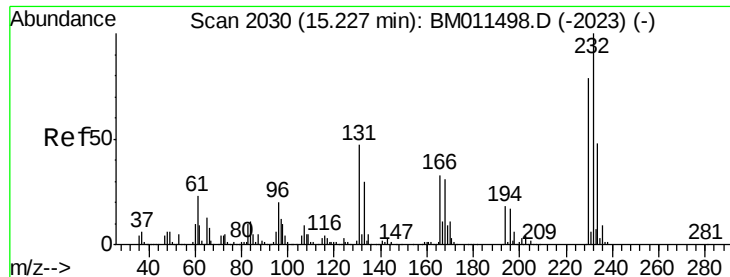
Sohil
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#55
2,4-Dinitrotoluene
Concen: 3.511 ng/ul
RT: 14.96 min Scan# 1985
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	78100		
63	55.1	31.4	47.0#	
182	2.1	2.7	4.1#	





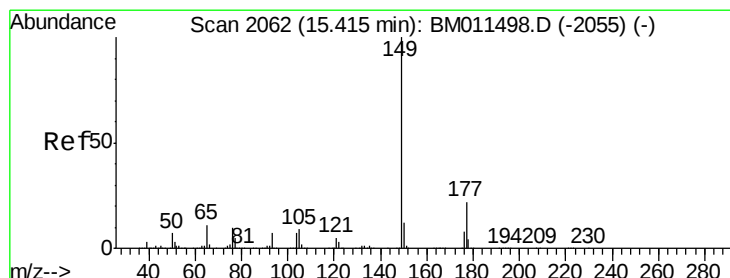
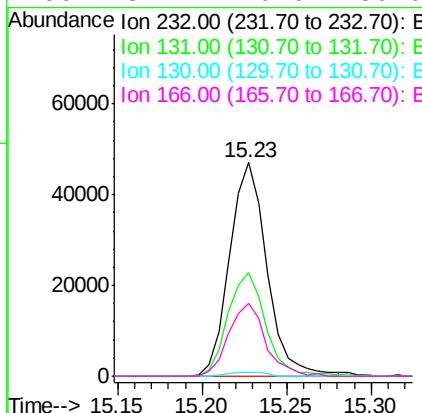
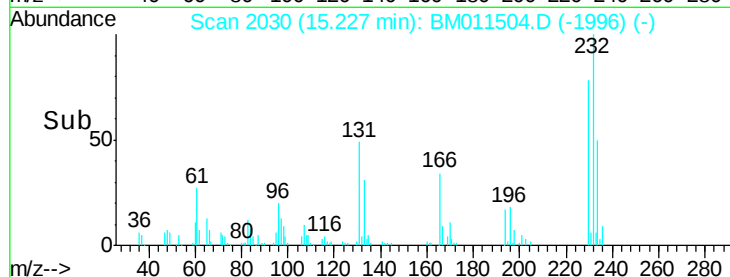
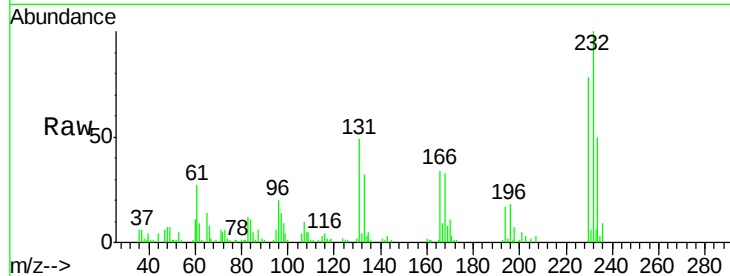
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 3.672 ng/ul
 RT: 15.23 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	72533		
131	48.7	27.1	40.7#	
130	1.5	0.0	0.0#	
166	34.1	20.0	30.0#	

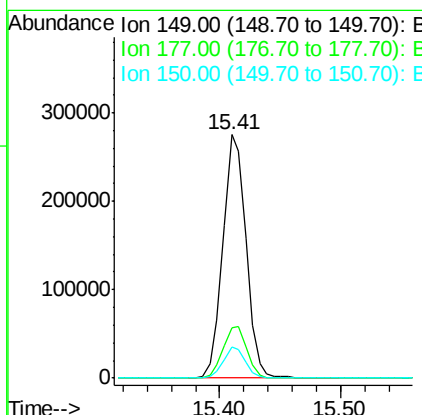
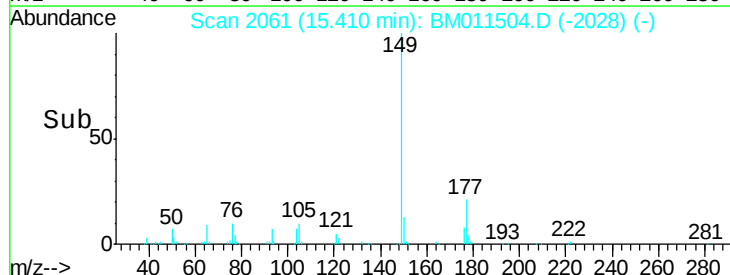
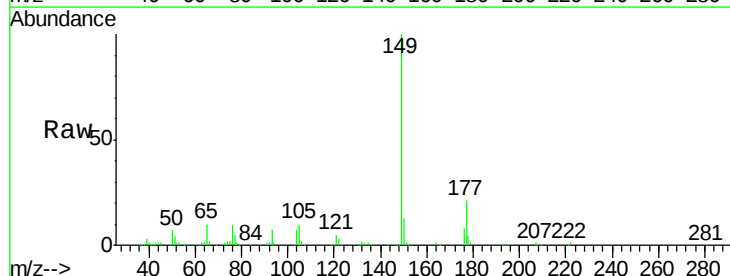
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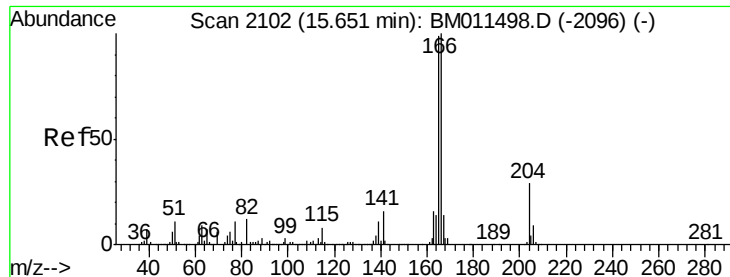
Sohil
 9/12/2017 2:22:11 PM



#57
 Diethylphthalate
 Concen: 4.113 ng/ul
 RT: 15.41 min Scan# 2061
 Delta R.T. -0.01 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	366683		
177	20.7	19.3	28.9	
150	12.9	10.6	15.8	





#59

Fluorene

Concen: 4.235 ng/ul

RT: 15.65 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

ClientSampleId :

MDL-S-ME-06

Tgt Ion:166 Resp: 365335
Ion Ratio Lower Upper

166 100

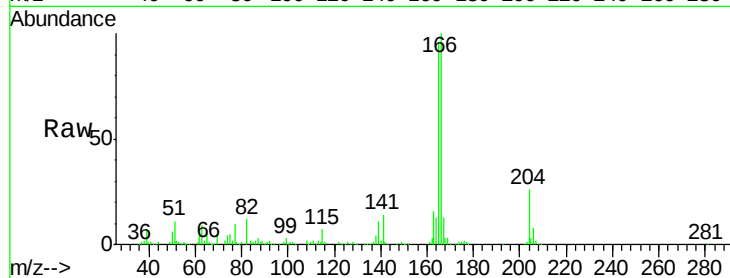
165 95.8 78.4 117.6

167 13.2 11.1 16.7

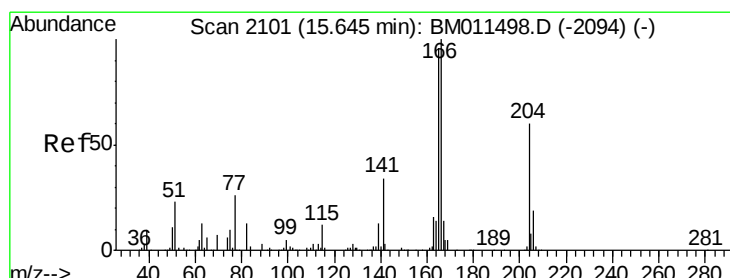
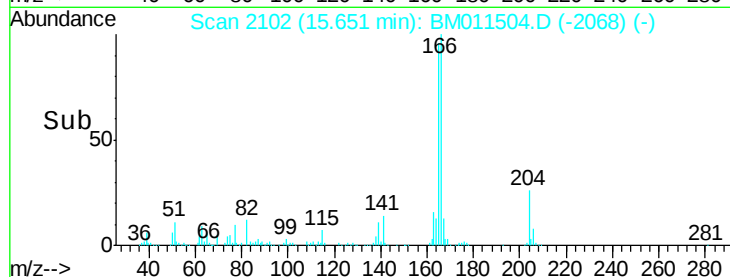
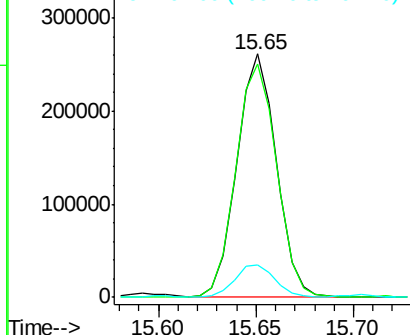
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#60

4-Chlorophenyl-phenylether

Concen: 4.275 ng/ul

RT: 15.64 min Scan# 2100

Delta R.T. -0.01 min

Lab File: BM011504.D

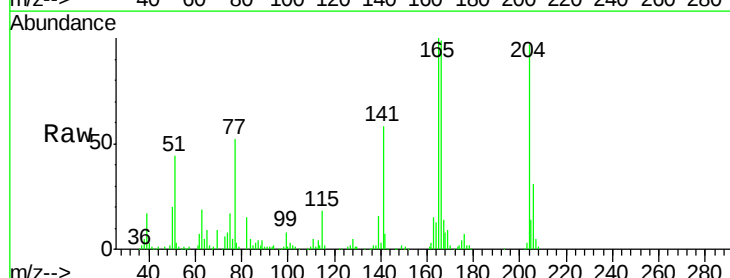
Acq: 11 Sep 2017 19:39

Tgt Ion:204 Resp: 172805
Ion Ratio Lower Upper

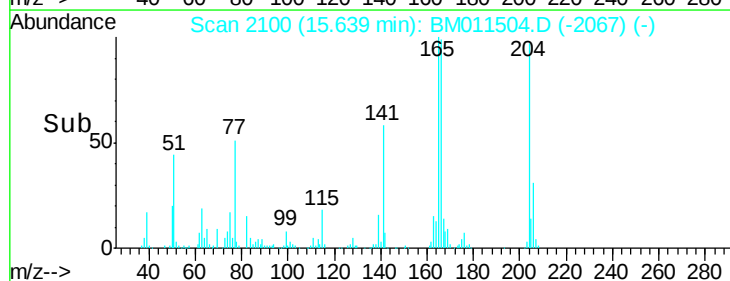
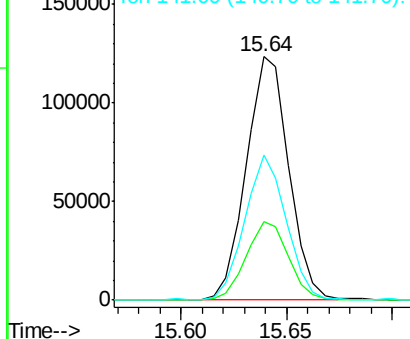
204 100

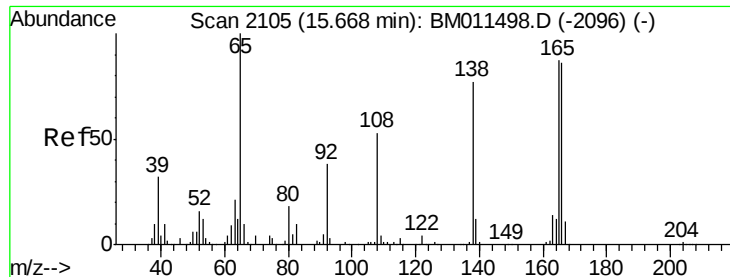
206 32.1 26.6 40.0

141 59.8 40.7 61.1



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





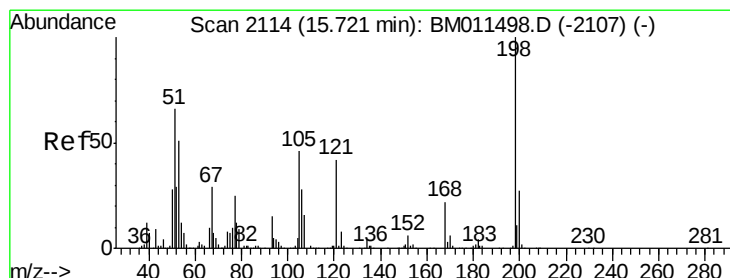
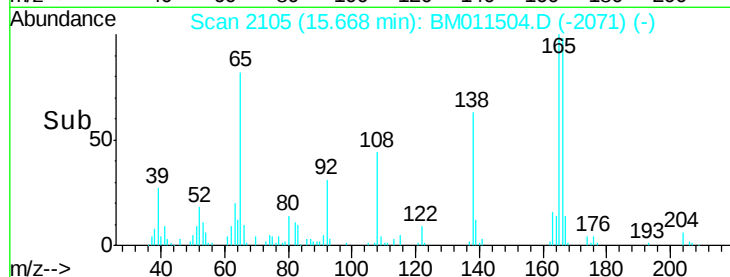
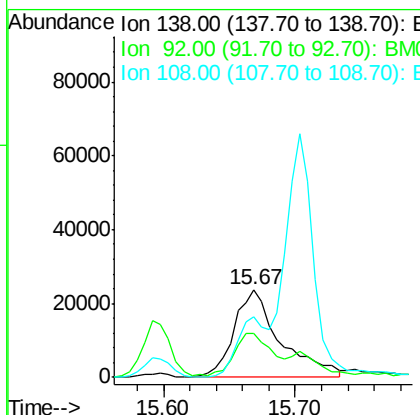
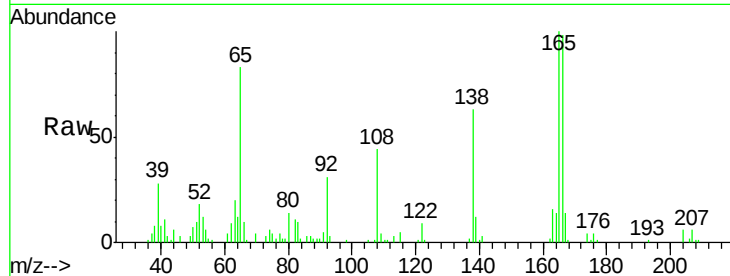
#61
4-Nitroaniline
Concen: 2.914 ng/ul m
RT: 15.67 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion:138 Resp: 58237
Ion Ratio Lower Upper
138 100
92 49.5 38.2 57.4
108 69.8 70.0 105.0#

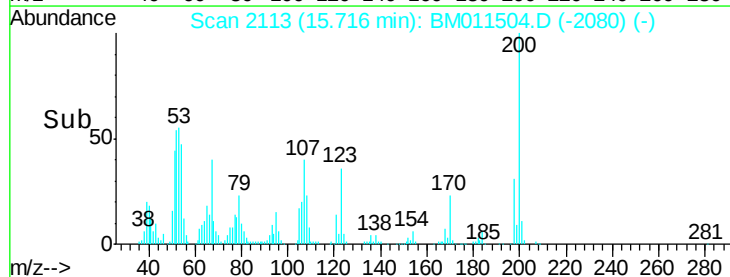
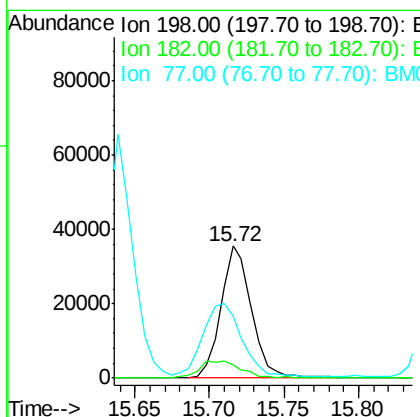
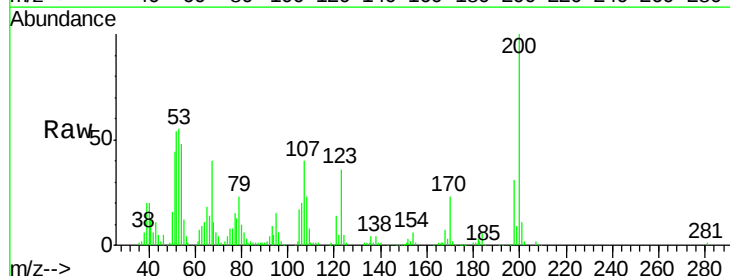
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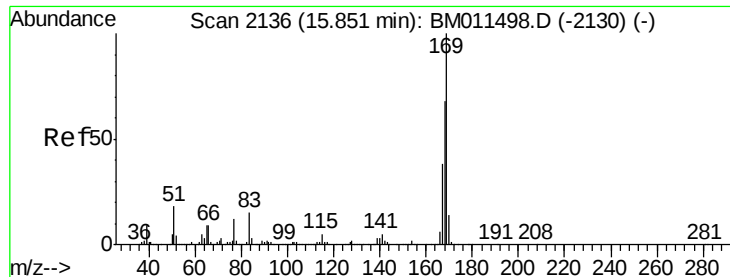
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#64
4,6-Dinitro-2-methylphenol
Concen: 3.623 ng/ul
RT: 15.72 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion:198 Resp: 51286
Ion Ratio Lower Upper
198 100
182 10.1 3.5 5.3#
77 46.5 18.2 27.4#





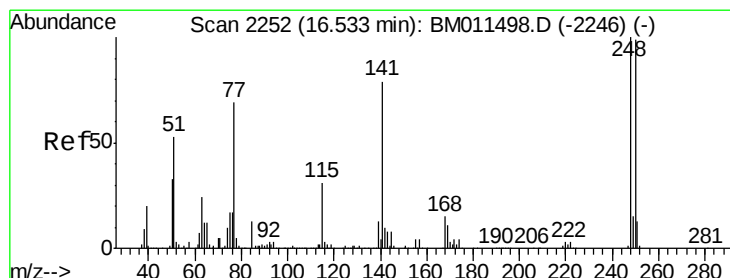
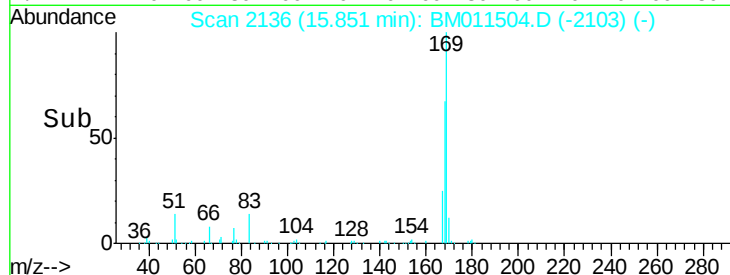
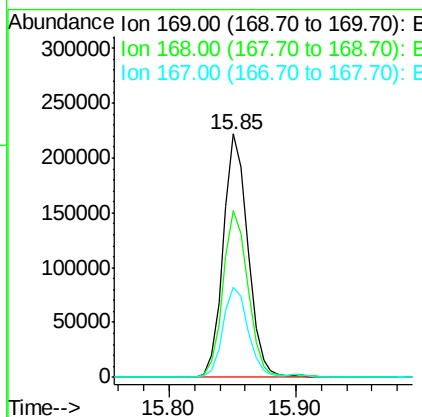
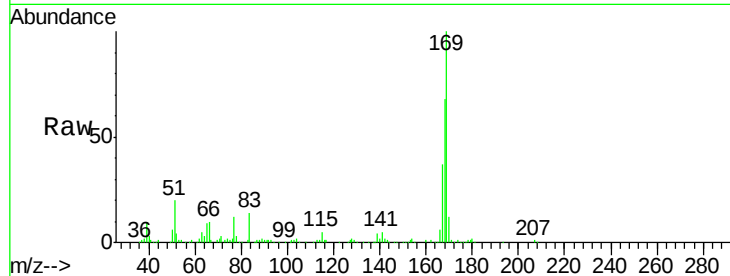
#65
N-Nitrosodiphenylamine
Concen: 4.158 ng/ul
RT: 15.85 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	300672		
168	68.3	53.8	80.8	
167	37.2	29.5	44.3	

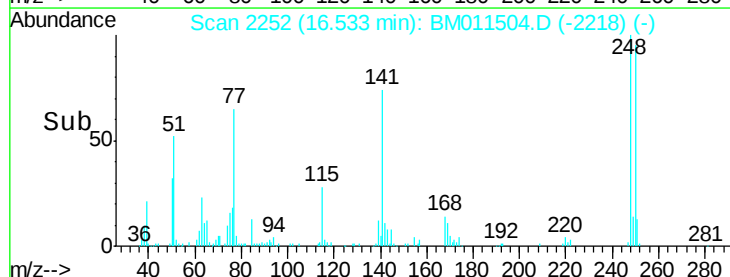
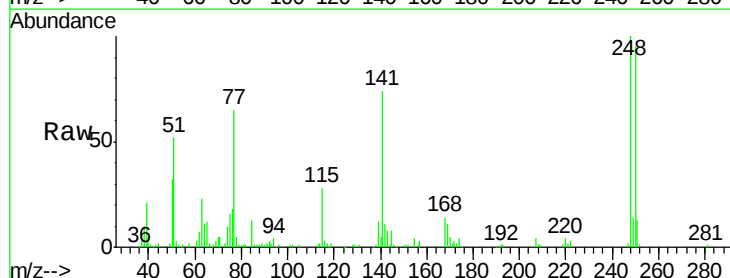
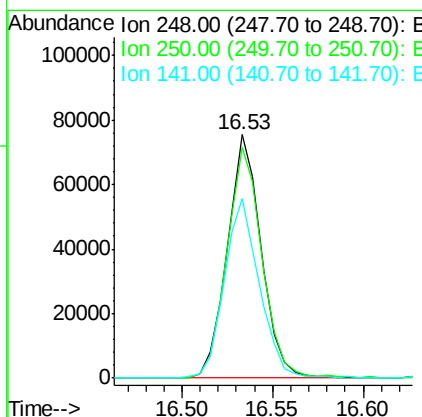
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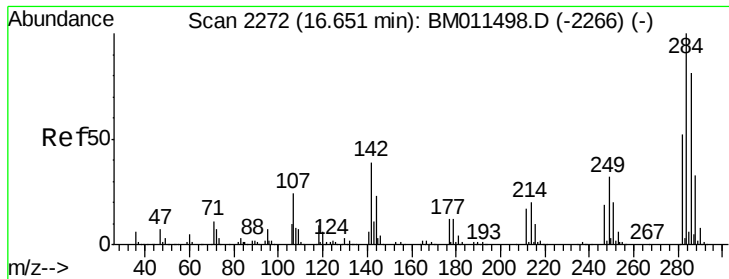
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#66
4-Bromophenyl-phenylether
Concen: 4.042 ng/ul
RT: 16.53 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	98002		
250	94.9	79.0	118.4	
141	73.6	51.9	77.9	





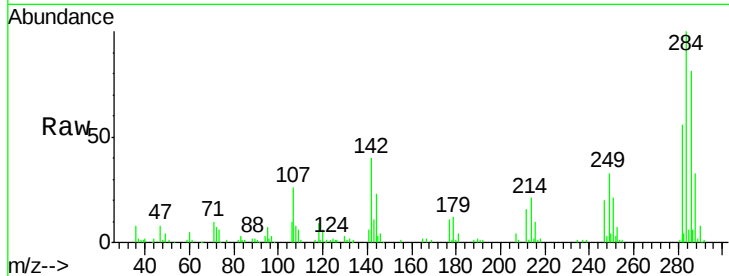
#67
Hexachlorobenzene
Concen: 4.008 ng/ul
RT: 16.65 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

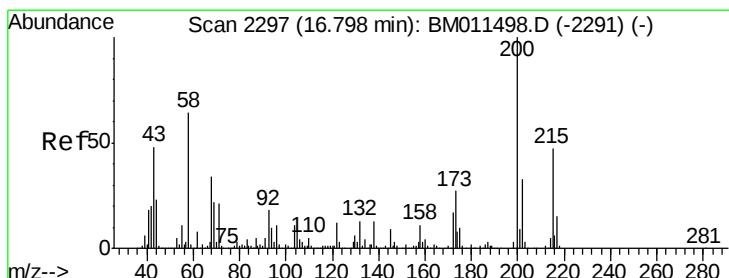
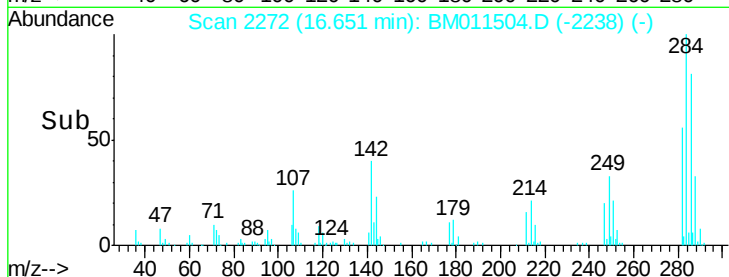
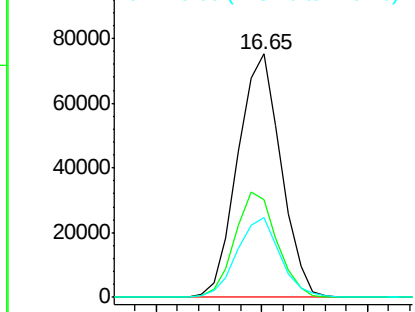
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	106962		
142	38.0	21.3	31.9#	
249	30.8	26.3	39.5	

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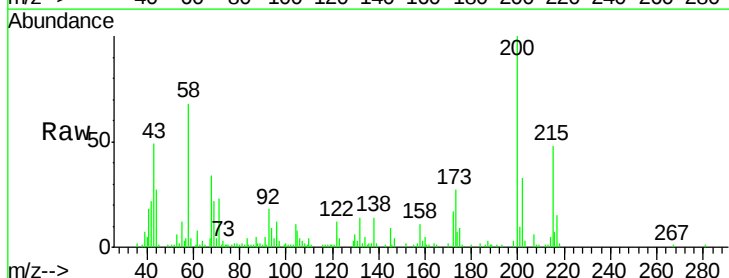


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

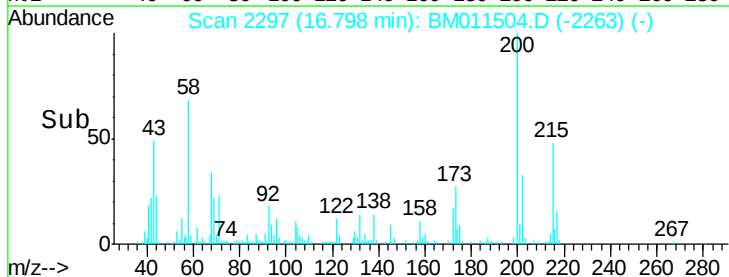
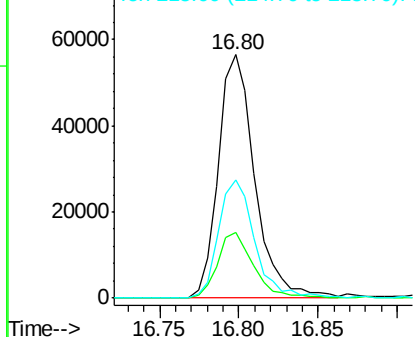


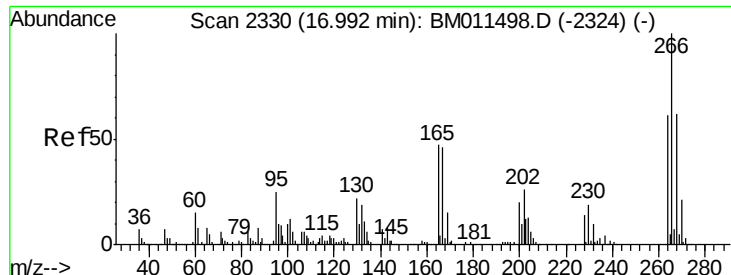
#68
Atrazine
Concen: 3.597 ng/ul
RT: 16.80 min Scan# 2297
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	90110		
173	27.0	20.6	31.0	
215	48.4	39.8	59.6	



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





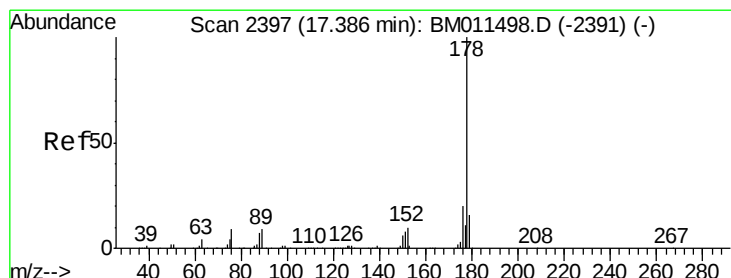
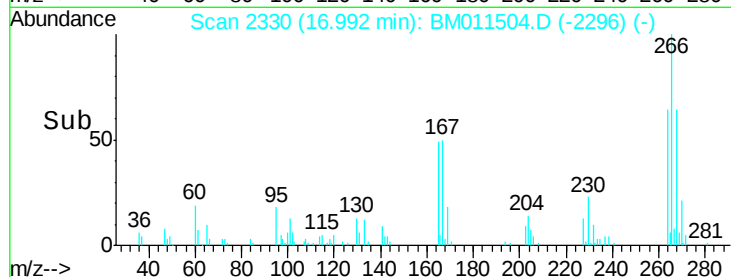
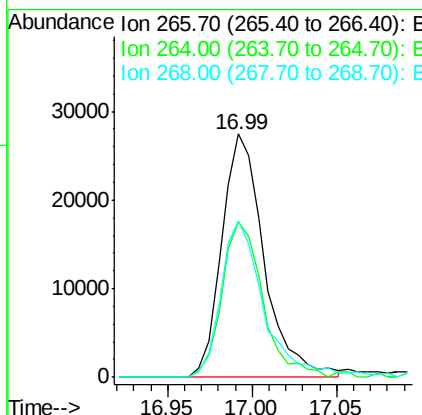
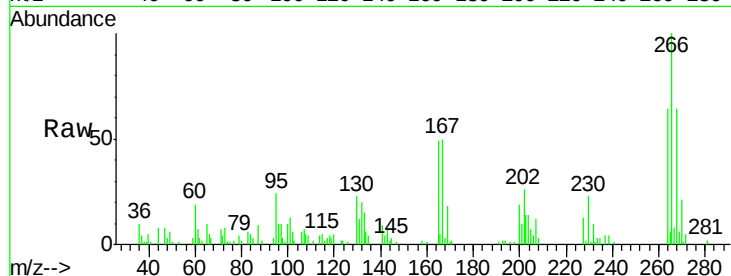
#69
 Pentachlorophenol
 Concen: 2.796 ng/ul
 RT: 16.99 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	47914		
264	63.6	48.2	72.4	
268	64.1	52.3	78.5	

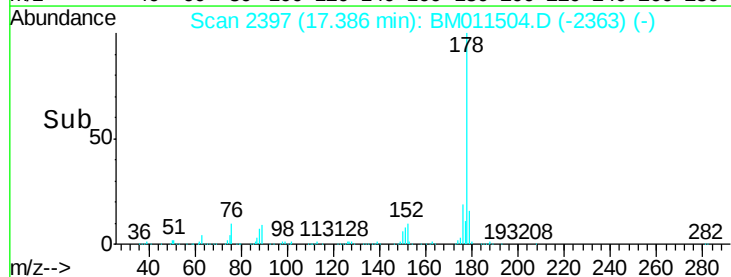
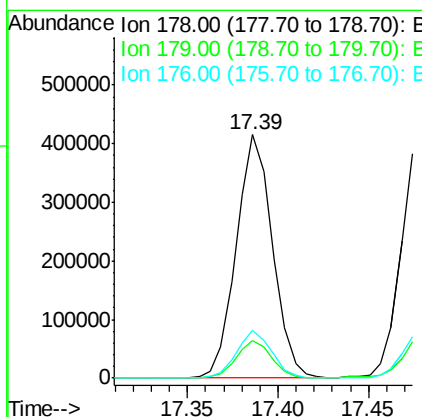
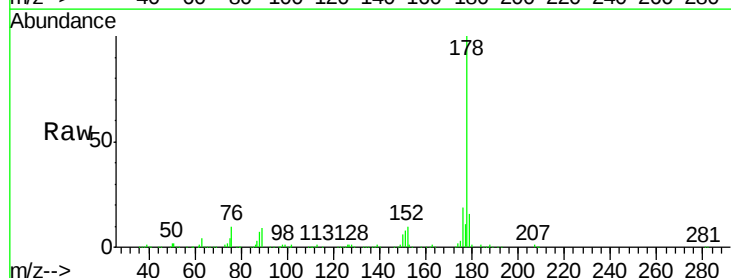
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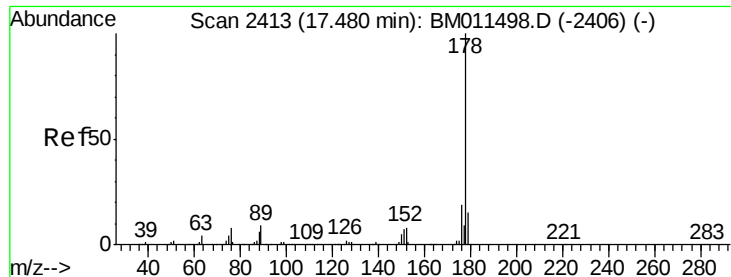
Sohil
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#70
 Phenanthrene
 Concen: 4.335 ng/ul
 RT: 17.39 min Scan# 2397
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	573540		
179	15.6	12.3	18.5	
176	19.4	15.4	23.0	





#72

Anthracene

Concen: 4.351 ng/uL

RT: 17.48 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

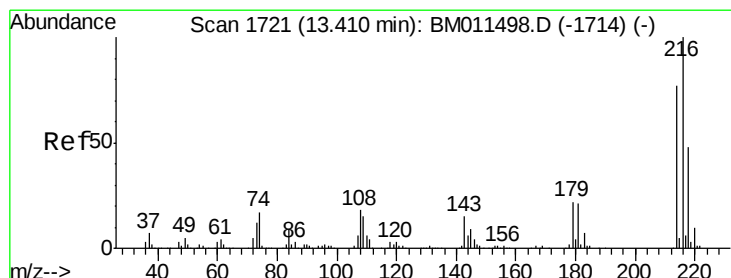
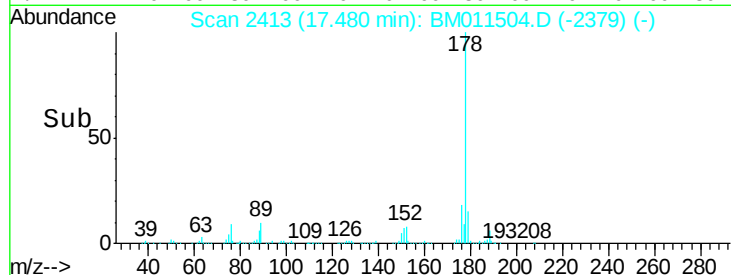
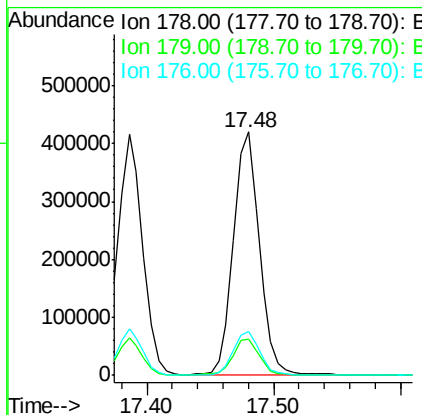
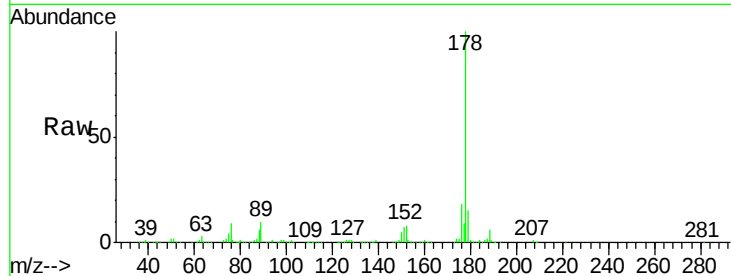
ClientSampled :

MDL-S-ME-06

Tgt Ion:	178	Resp:	590716
Ion Ratio	Lower	Upper	
178	100		
179	14.8	13.4	20.2
176	18.1	15.4	23.0

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.206 ng/uL

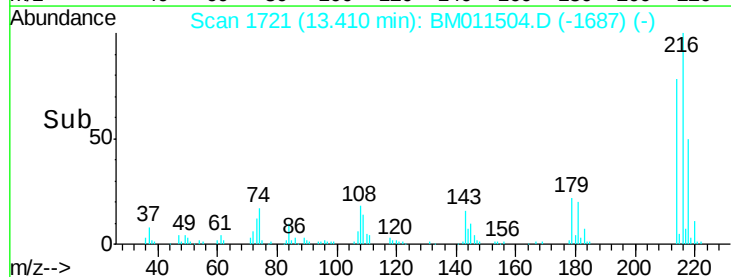
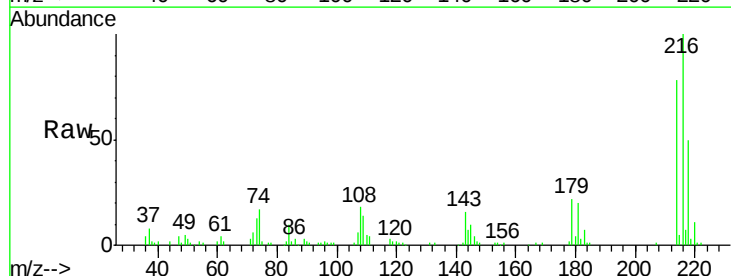
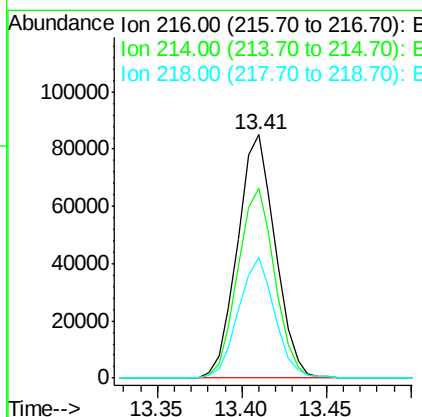
RT: 13.41 min Scan# 1721

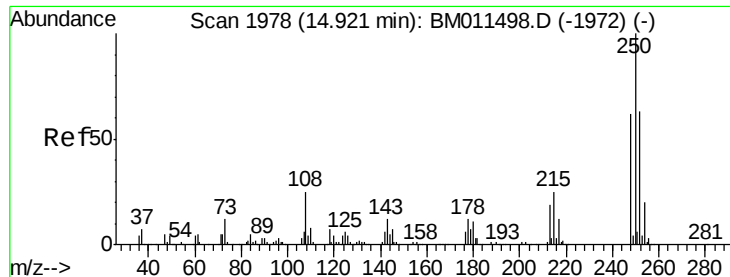
Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion:	216	Resp:	133061
Ion Ratio	Lower	Upper	
216	100		
214	77.9	64.1	96.1
218	49.5	39.4	59.0





#74

Pentachlorobenzene

Concen: 4.269 ng/uL

RT: 14.92 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

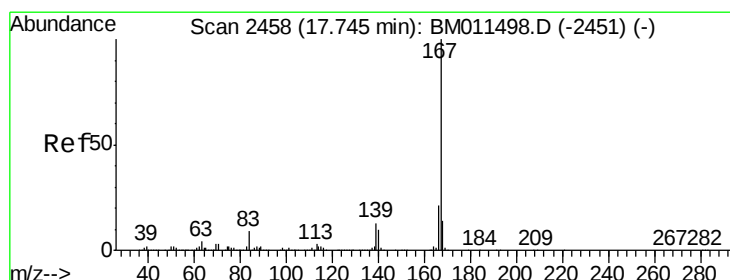
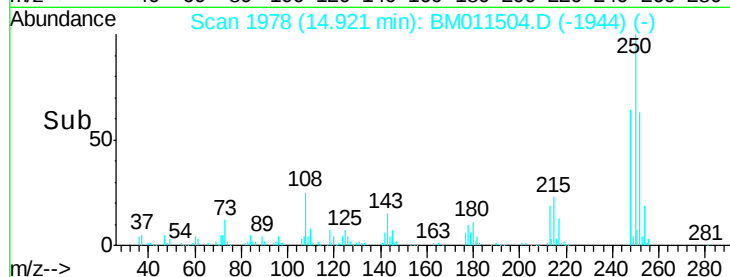
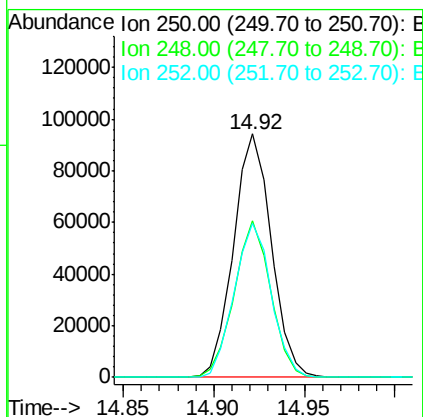
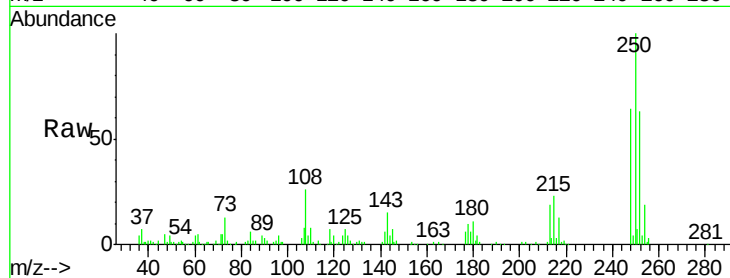
ClientSampleId :

MDL-S-ME-06

Tgt Ion:	250	Resp:	136973
Ion Ratio	Lower	Upper	
250	100		
248	68.4	51.4	77.2
252	67.5	49.8	74.6

Manual Integrations
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#75

Carbazole

Concen: 4.140 ng/uL

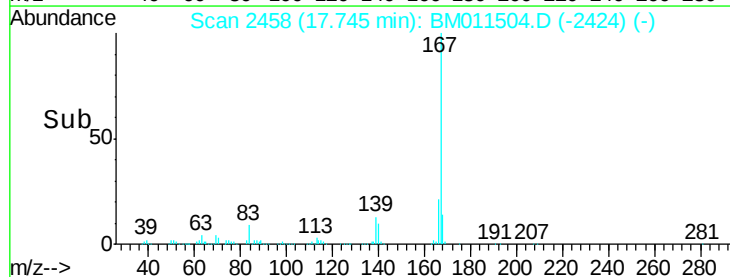
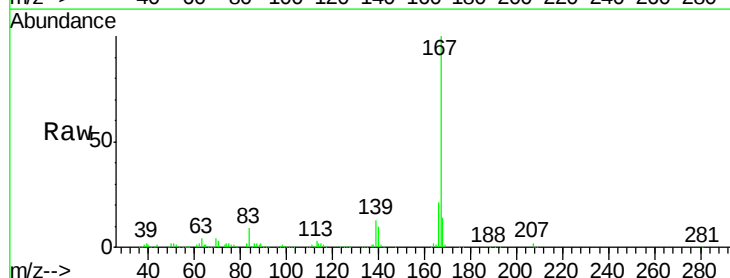
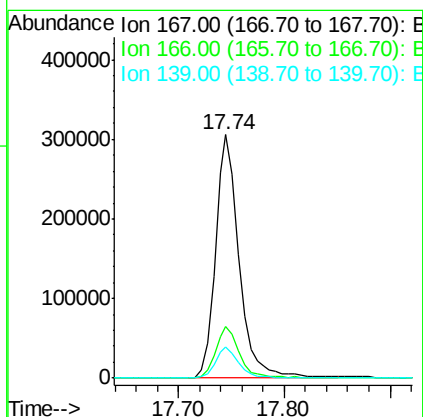
RT: 17.74 min Scan# 2458

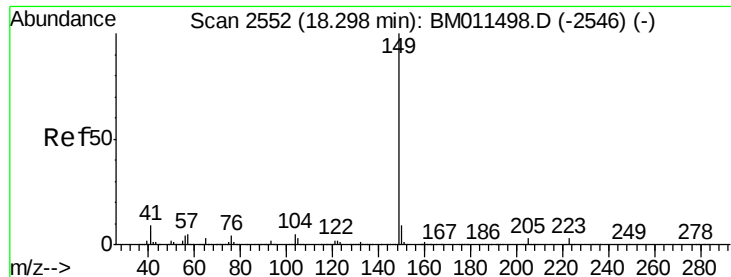
Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion:	167	Resp:	479579
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.0	25.4
139	13.0	9.1	13.7





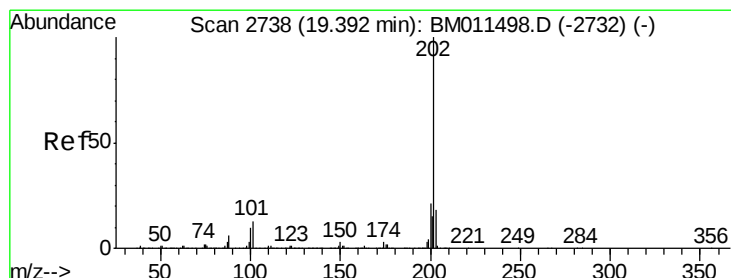
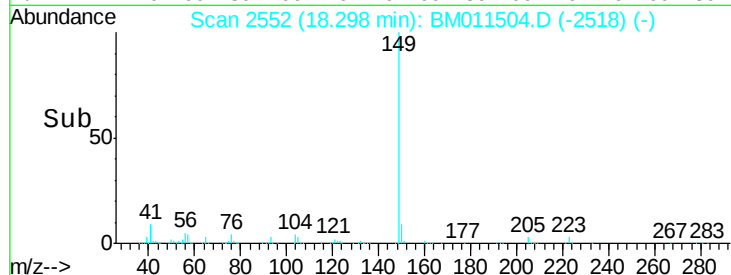
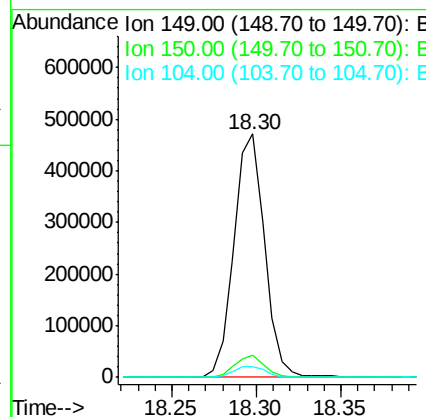
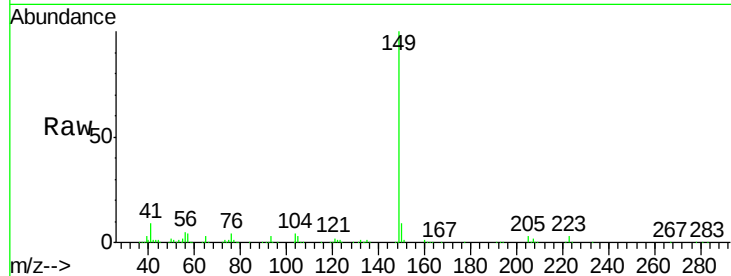
#76
Di-n-butylphthalate
Concen: 3.901 ng/ul
RT: 18.30 min Scan# 2552
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	8.9	7.5	11.3
104	4.5	4.1	6.1

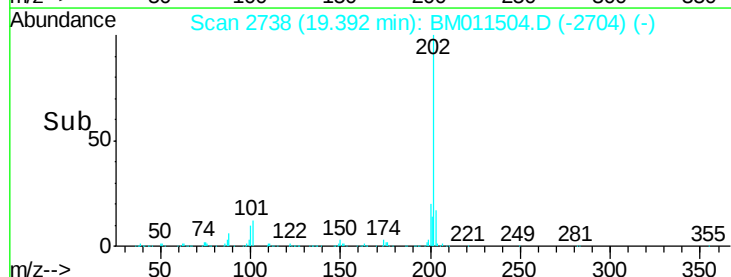
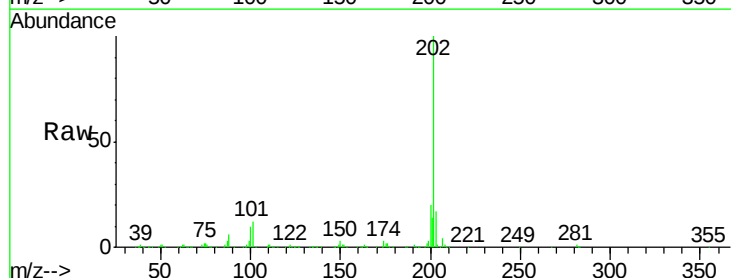
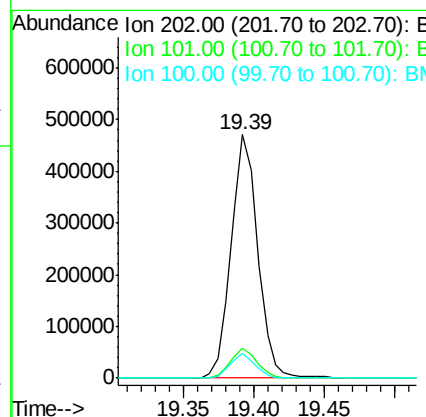
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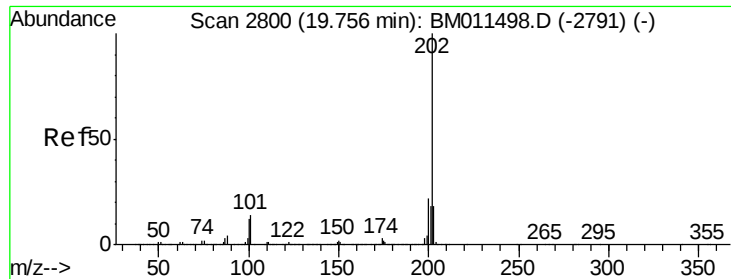
Sohil
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#77
Fluoranthene
Concen: 4.552 ng/ul
RT: 19.39 min Scan# 2738
Delta R.T. -0.00 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	6.1	9.1#
100	10.0	4.6	7.0#





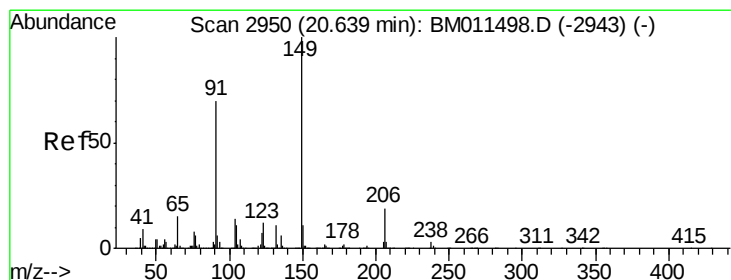
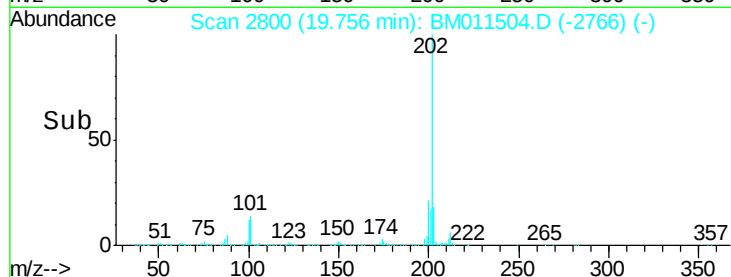
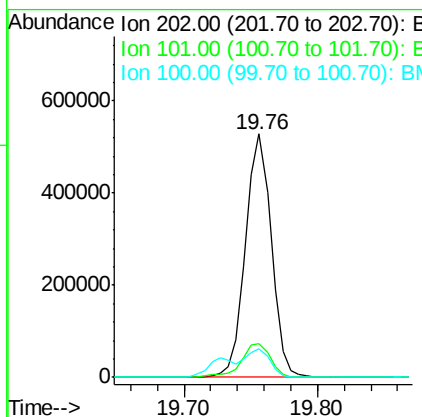
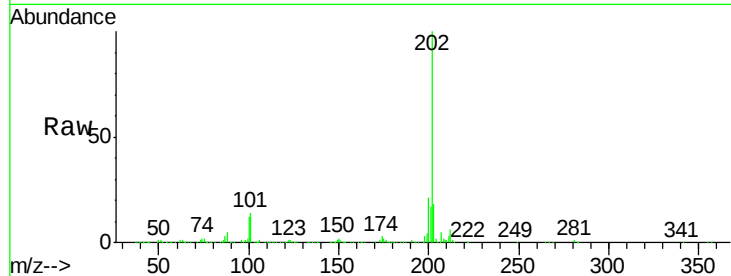
#80
 Pyrene
 Concen: 4.457 ng/ul
 RT: 19.76 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.1	6.9	10.3#
100	12.0	5.6	8.4#

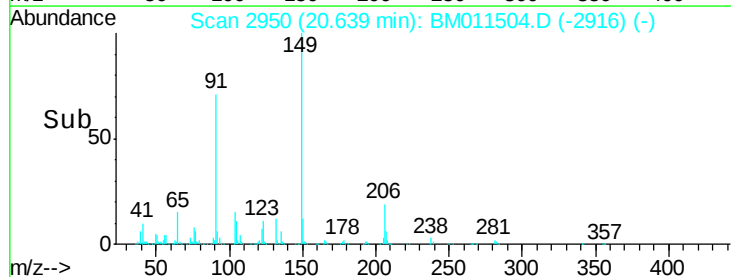
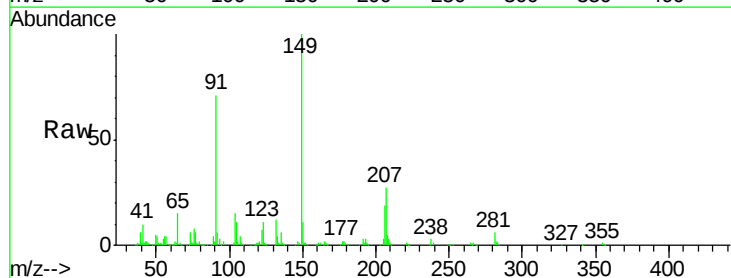
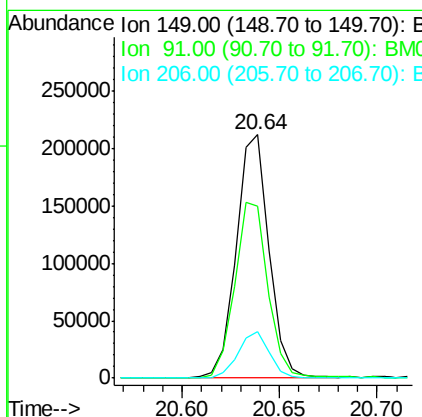
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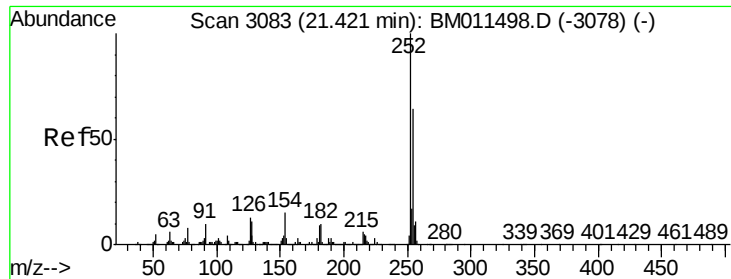
Sohil
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#81
 Butylbenzylphthalate
 Concen: 3.343 ng/ul
 RT: 20.64 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	70.7	53.4	80.0
206	19.3	19.3	28.9





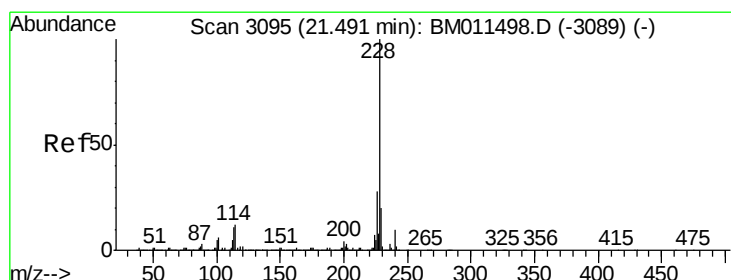
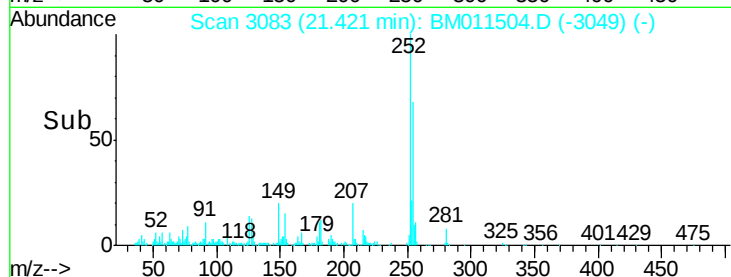
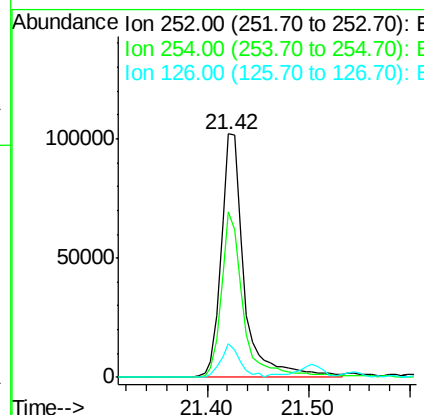
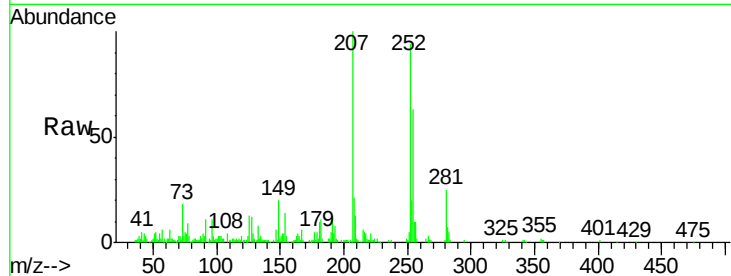
#82
 3,3'-Dichlorobenzidine
 Concen: 3.267 ng/ul
 RT: 21.42 min Scan# 3083
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	67.8	52.8	79.2
126	14.1	6.9	10.3

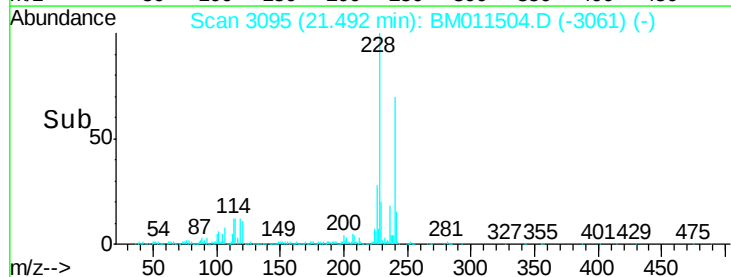
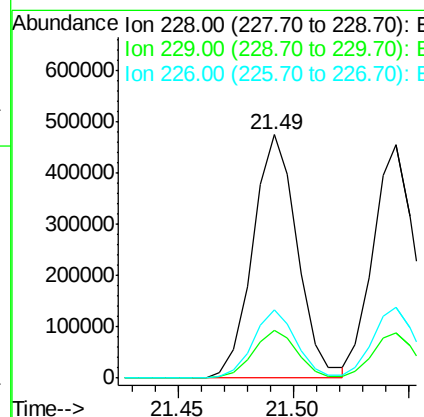
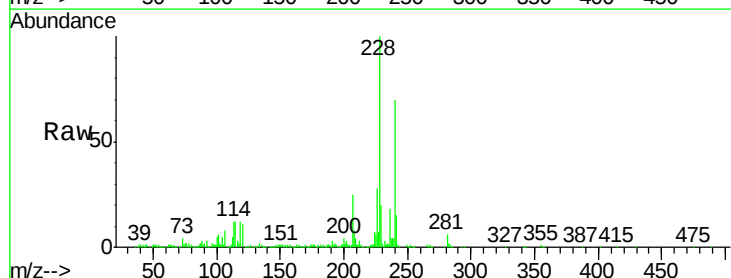
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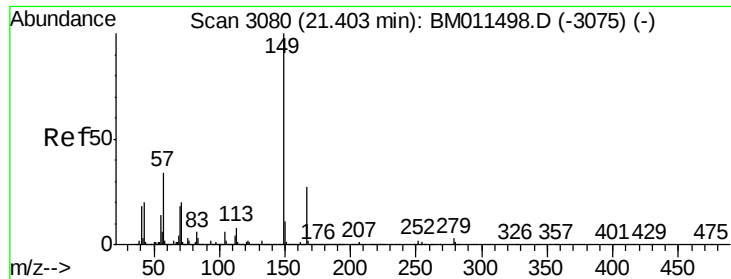
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#83
 Benzo(a)anthracene
 Concen: 4.250 ng/ul
 RT: 21.49 min Scan# 3095
 Delta R.T. -0.00 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	19.6	16.0	24.0
226	28.0	21.8	32.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.451 ng/ul

RT: 21.40 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

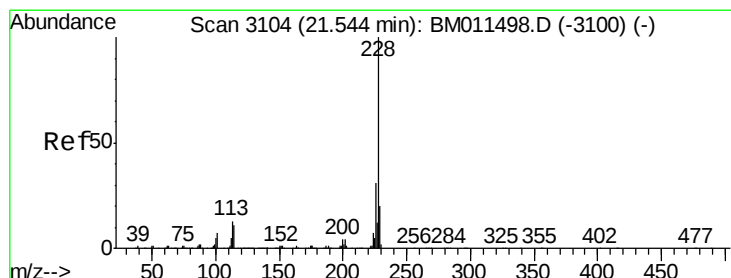
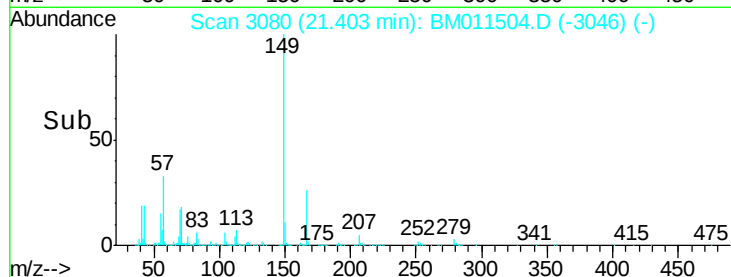
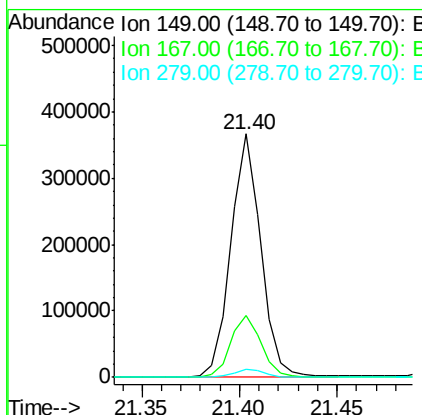
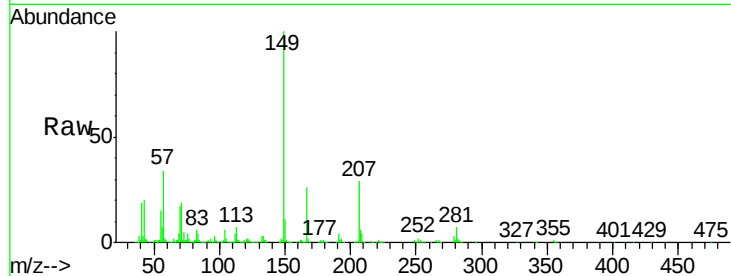
ClientSampleId :

MDL-S-ME-06

Tgt Ion:	149	Resp:	386755
Ion Ratio	Lower	Upper	
149	100		
167	25.7	23.0	34.6
279	3.3	4.3	6.5#

Manual Integrations
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#85

Chrysene

Concen: 4.259 ng/ul

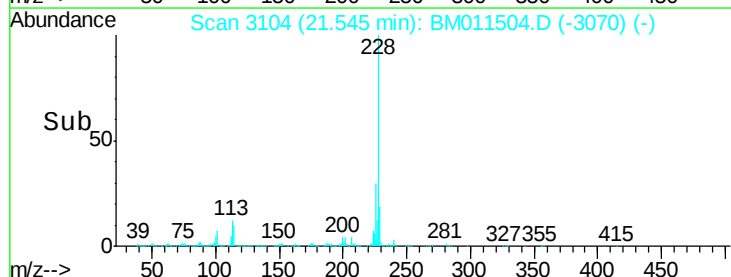
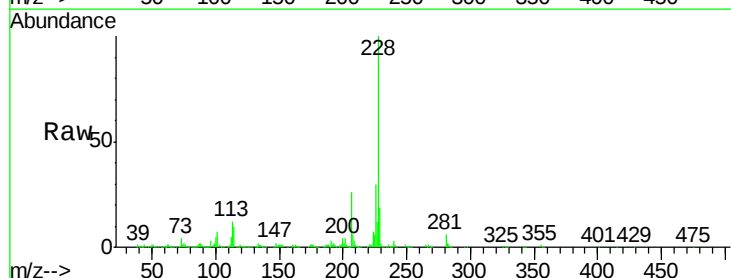
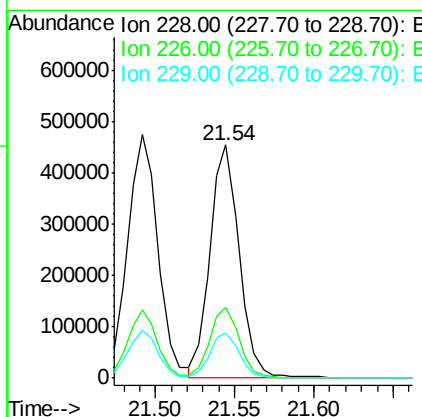
RT: 21.54 min Scan# 3104

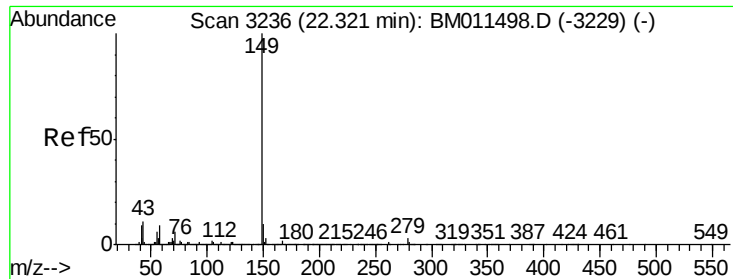
Delta R.T. -0.00 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Tgt Ion:	228	Resp:	578215
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	19.5	16.0	24.0





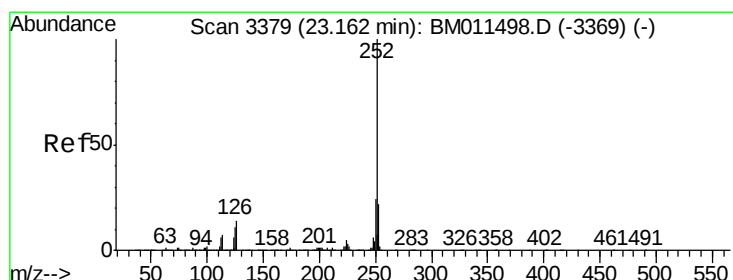
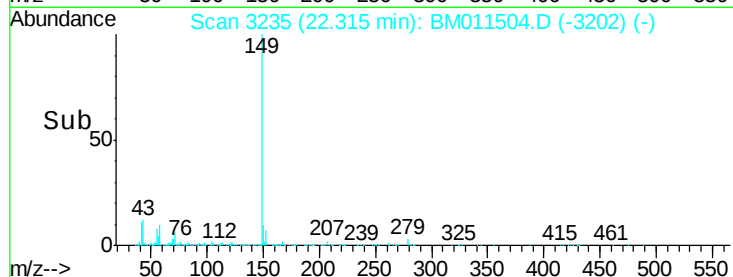
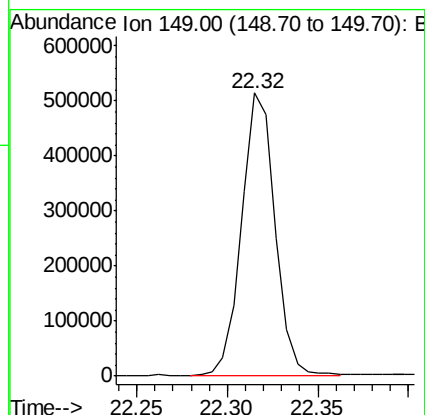
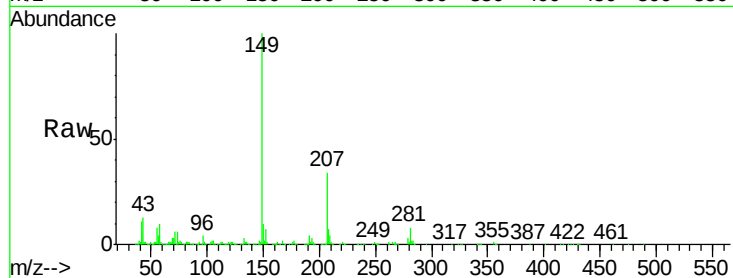
#87
Di-n-octyl phthalate
Concen: 3.749 ng/ul
RT: 22.32 min Scan# 3235
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion:149 Resp: 655224

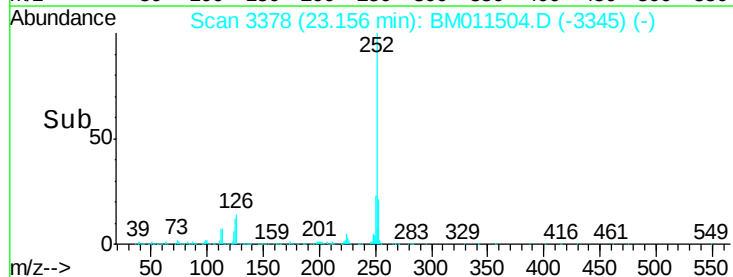
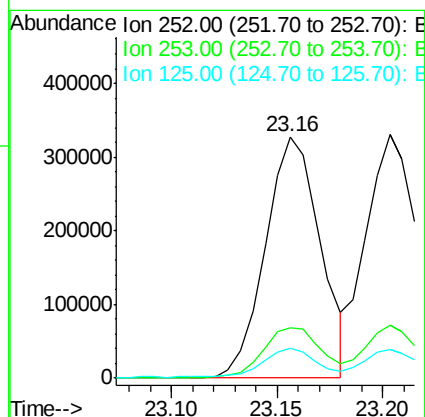
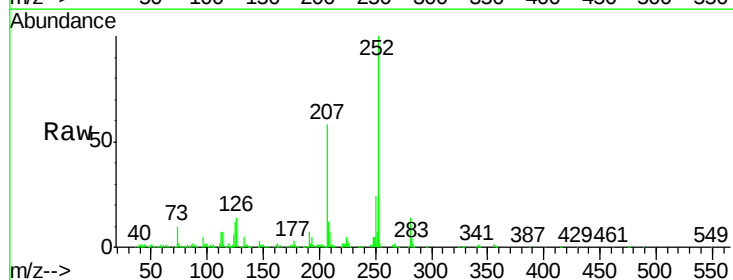
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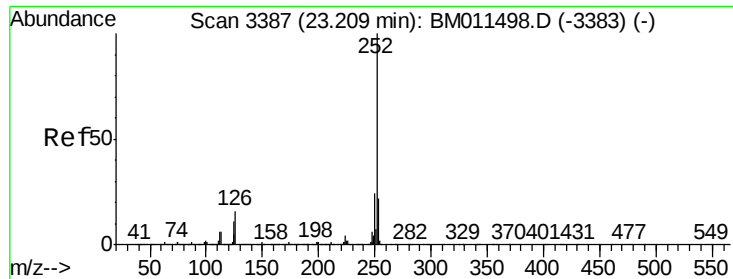
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#88
Benzo(b)fluoranthene
Concen: 3.978 ng/ul
RT: 23.16 min Scan# 3378
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion:252 Resp: 589407
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.0
125 12.3 4.9 7.3#





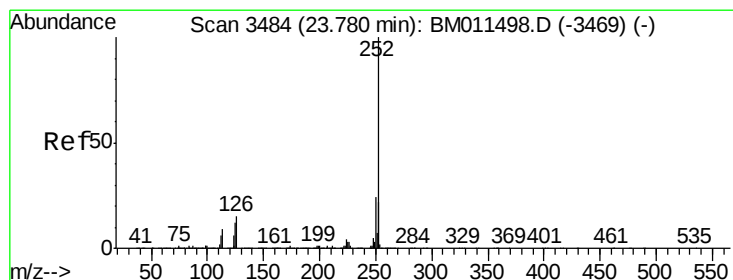
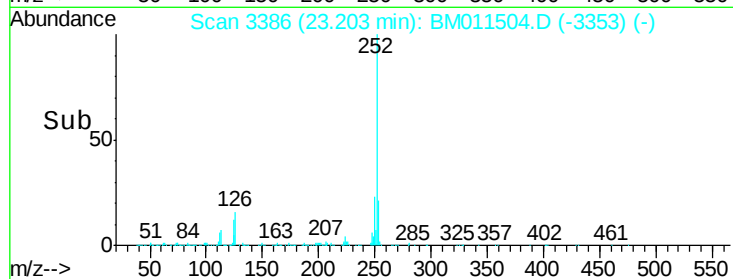
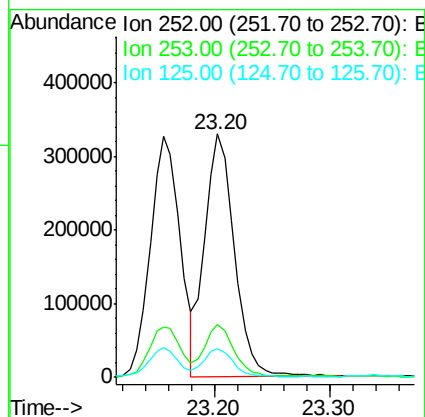
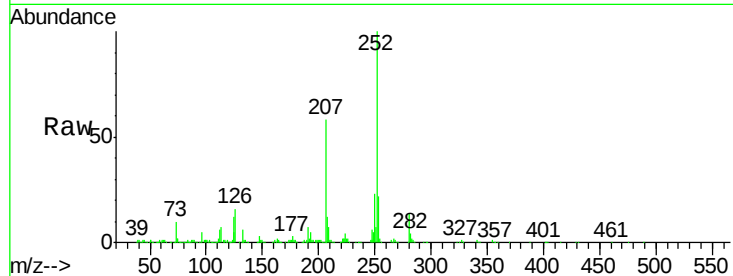
#89
Benzo(k)fluoranthene
Concen: 4.149 ng/ul
RT: 23.20 min Scan# 3386
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.8	17.1	25.7
125	11.9	5.4	8.0#

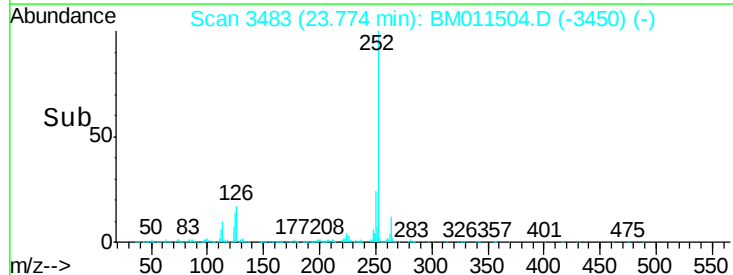
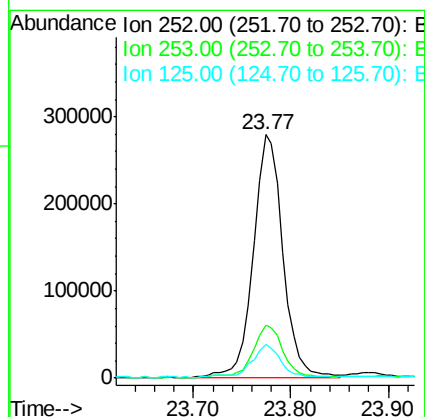
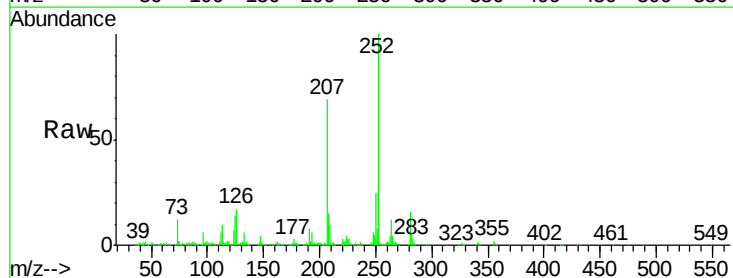
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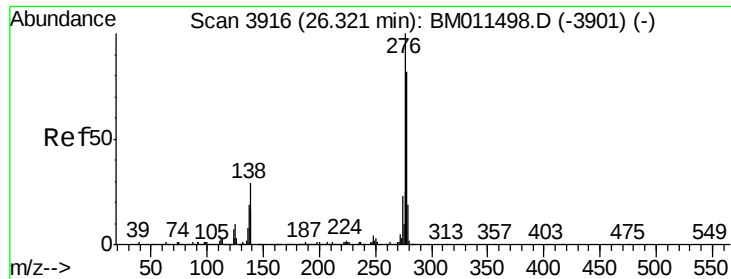
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#91
Benzo(a)pyrene
Concen: 4.200 ng/ul
RT: 23.77 min Scan# 3483
Delta R.T. -0.01 min
Lab File: BM011504.D
Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.5	17.2	25.8
125	14.0	5.8	8.6#





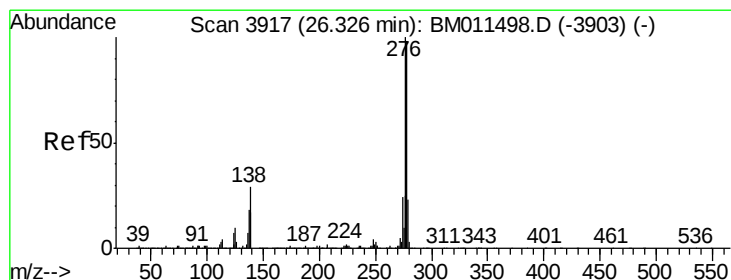
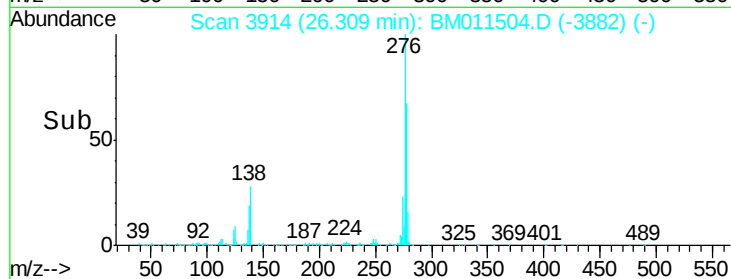
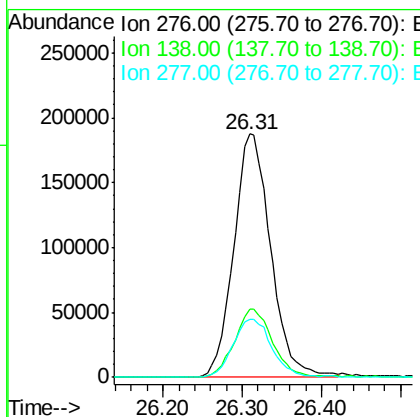
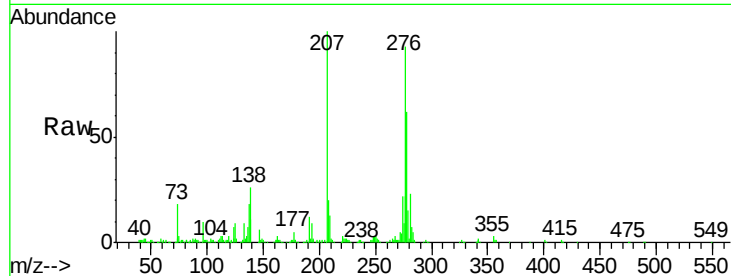
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.937 ng/ul
 RT: 26.31 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-S-ME-06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	10.9	16.3#
277	23.6	18.9	28.3

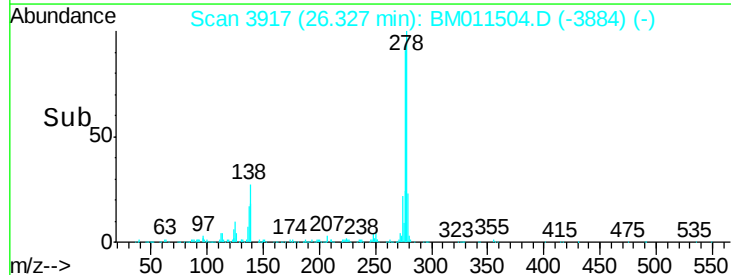
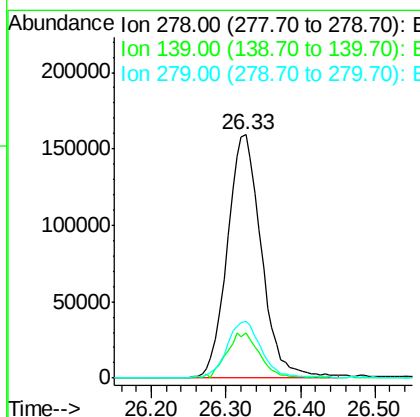
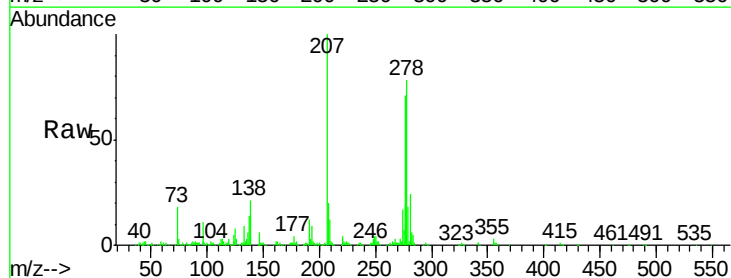
Manual Integrations
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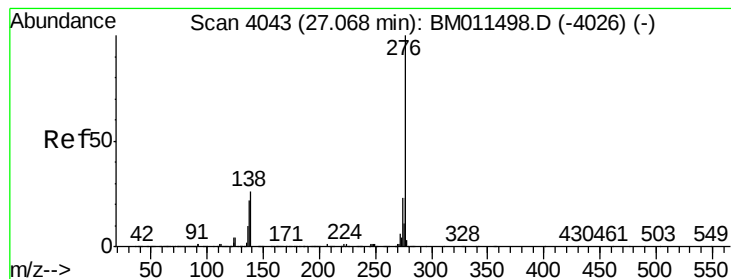
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.887 ng/ul
 RT: 26.33 min Scan# 3917
 Delta R.T. -0.01 min
 Lab File: BM011504.D
 Acq: 11 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	9.0	13.4#
279	23.1	19.1	28.7





#94

Benzo(g,h,i)perylene

Concen: 3.995 ng/ul

RT: 27.06 min Scan# 4042

Delta R.T. -0.01 min

Lab File: BM011504.D

Acq: 11 Sep 2017 19:39

Instrument :

BNA_M

ClientSampleId :

MDL-S-ME-06

Tgt	Ion	276	Resp	497712
Ion	Ratio	Lower	Upper	
276	100			
138	23.8	11.2	16.8#	
277	22.7	19.0	28.6	

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