

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101216\
 Data File : BB058616.D
 Acq On : 12 Oct 2016 12:11
 Operator : UM/SJ
 Sample : MDL-02-W
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleID :
 MDL-02-W

Manual Integrations
 APPROVED

SOHIL
 10/13/2016 11:12:29 AM

Quant Time: Oct 12 12:55:34 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 12:50:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	488323	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1800241	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1087919	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1800479m	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1949767	20.00	ng/ul	-0.02
83) Perylene-d12	25.87	264	1556001	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	80142	7.43	ng/uL	0.02
5) Phenol-d5	7.79	99	1151188	32.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	782769	32.94	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1292384	35.12	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	981094	33.41	ng/ul	-0.02
19) Nitrobenzene-d5	9.89	128	666801	35.82	ng/ul	0.02
22) 2-Nitrophenol-d4	10.66	143	763910	38.14	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	11.22	165	1025691	36.13	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1348729	39.47	ng/ul	0.00
43) Dimethylphthalate-d6	14.95	166	2753108	38.06	ng/ul	0.00
46) Acenaphthylene-d8	15.26	160	3194281	37.44	ng/ul	0.00
51) 4-Nitrophenol-d4	15.76	143	521910	31.42	ng/ul	-0.02
57) Fluorene-d10	16.61	176	2261011	38.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.71	200	564999	29.55	ng/ul	-0.02
70) Anthracene-d10	18.52	188	2837418	35.24	ng/ul	-0.02
76) Pyrene-d10	20.86	212	3276726	38.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.68	264	2628157	36.99	ng/ul	-0.02

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.69	88	9037	0.85 ng/uL#	67
4) Benzaldehyde	7.73	77	59249	2.59 ng/ul	93
6) Phenol	7.83	94	102090	2.90 ng/ul#	60
8) Bis(2-Chloroethyl)ether	8.04	93	92049	3.17 ng/ul#	86
10) 2-Chlorophenol	8.22	128	113428	3.24 ng/ul	98
11) 2-Methylphenol	9.14	108	83404	2.95 ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	9.24	45	149287	2.93 ng/ul#	90
14) Acetophenone	9.53	105	132895	3.09 ng/ul#	77
15) N-Nitroso-di-n-propylamine	9.54	70	74555	2.93 ng/ul#	63
16) 4-Methylphenol	9.51	108	89507	2.93 ng/ul	98
17) Hexachloroethane	9.83	117	54613	3.22 ng/ul#	81
20) Nitrobenzene	9.93	77	110659	3.17 ng/ul#	87
21) Isophorone	10.49	82	211702	3.14 ng/ul#	93
23) 2-Nitrophenol	10.68	139	70331	3.37 ng/ul#	93
24) 2,4-Dimethylphenol	10.76	107	109542	3.20 ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.99	93	101130	3.11 ng/ul#	93
27) 2,4-Dichlorophenol	11.26	162	97561	3.43 ng/ul#	92
28) Naphthalene	11.66	128	290759	3.39 ng/ul	98
30) 4-Chloroaniline	11.78	127	113406	3.50 ng/ul	100
31) Hexachlorobutadiene	12.01	225	66877	3.44 ng/ul	97
32) Caprolactam	12.59	113	27736	2.68 ng/ul	90
33) 4-Chloro-3-methylphenol	12.93	107	89441	3.16 ng/ul	95
34) 2-Methylnaphthalene	13.32	142	203279	3.44 ng/ul	95

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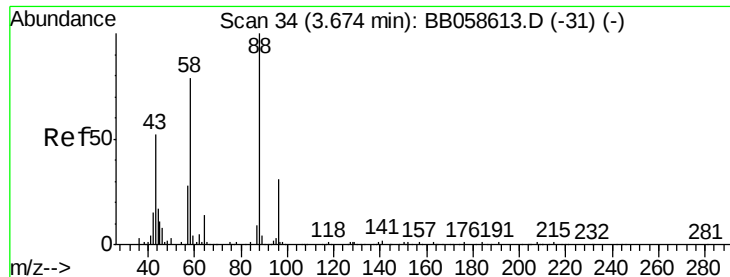
Manual Integrations
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Quant Time: Oct 12 12:55:34 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 12:50:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	112941	3.38	ng/ul	96
37) Hexachlorocyclopentadiene	13.72	237	45480	2.16	ng/ul	98
38) 2,4,6-Trichlorophenol	13.95	196	65685	3.24	ng/ul	96
39) 2,4,5-Trichlorophenol	14.03	196	64784	3.01	ng/ul	93
40) 1,1'-Biphenyl	14.36	154	244669	3.35	ng/ul#	96
41) 2-Chloronaphthalene	14.40	162	192192	3.31	ng/ul	98
42) 2-Nitroaniline	14.59	65	63476	2.84	ng/ul#	87
44) Dimethylphthalate	14.99	163	254909	3.52	ng/ul#	96
45) 2,6-Dinitrotoluene	15.11	165	60601	3.32	ng/ul#	82
47) Acenaphthylene	15.28	152	304576	3.68	ng/ul	98
48) 3-Nitroaniline	14.59	138	68475	2.86	ng/ul#	38
49) Acenaphthene	15.63	153	184629	3.25	ng/ul	95
50) 2,4-Dinitrophenol	15.65	184	22101	1.70	ng/ul#	1
52) 4-Nitrophenol	15.78	109	41138	3.04	ng/ul#	83
53) Dibenzofuran	15.97	168	287629	3.55	ng/ul	97
54) 2,4-Dinitrotoluene	15.92	165	85199	3.34	ng/ul#	84
55) 2,3,4,6-Tetrachlorophenol	16.23	232	60526	3.21	ng/ul#	93
56) Diethylphthalate	16.42	149	252634	3.36	ng/ul	97
58) Fluorene	16.65	166	215996	3.28	ng/ul	92
59) 4-Chlorophenyl-phenylether	16.63	204	110022	3.11	ng/ul#	78
60) 4-Nitroaniline	16.65	138	37390	1.98	ng/ul#	77
63) 4,6-Dinitro-2-methylphenol	16.73	198	57136	2.99	ng/ul#	69
64) N-Nitrosodiphenylamine	16.86	169	182995	3.15	ng/ul	95
65) 4-Bromophenyl-phenylether	17.57	248	70458m	3.06	ng/ul	
66) Hexachlorobenzene	17.73	284	76610	3.31	ng/ul	95
67) Atrazine	17.84	200	69372	3.14	ng/ul#	89
68) Pentachlorophenol	18.07	266	38311	2.34	ng/ul	97
69) Phenanthrene	18.46	178	326693m	3.64	ng/ul	
71) Anthracene	18.55	178	323054	3.53	ng/ul	99
72) Carbazole	18.82	167	262794	3.44	ng/ul	98
73) Di-n-butylphthalate	19.40	149	481472	3.85	ng/ul	98
74) Fluoranthene	20.52	202	346947	3.80	ng/ul#	92
77) Pyrene	20.88	202	376904	3.70	ng/ul	99
78) Butylbenzylphthalate	21.79	149	210050	3.18	ng/ul	89
79) 3,3'-Dichlorobenzidine	22.67	252	69708	2.02	ng/ul	97
80) Benzo(a)anthracene	22.75	228	337467	3.40	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	22.67	149	284410	3.24	ng/ul#	97
82) Chrysene	22.83	228	314815	3.38	ng/ul	98
84) Di-n-octyl phthalate	22.67	149	284410	3.51	ng/ul#	57
85) Benzo(b)fluoranthene	24.91	252	293598	2.86	ng/ul	98
86) Benzo(k)fluoranthene	24.97	252	268525	3.37	ng/ul	97
88) Benzo(a)pyrene	25.72	252	264272	3.06	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	29.14	276	203299	2.69	ng/ul#	86
90) Dibenzo(a,h)anthracene	29.18	278	163782	2.61	ng/ul#	91
91) Benzo(g,h,i)perylene	30.14	276	164831	2.76	ng/ul	96

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



#2

1,4-Dioxane

Concen: 0.85 ng/uL

RT: 3.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

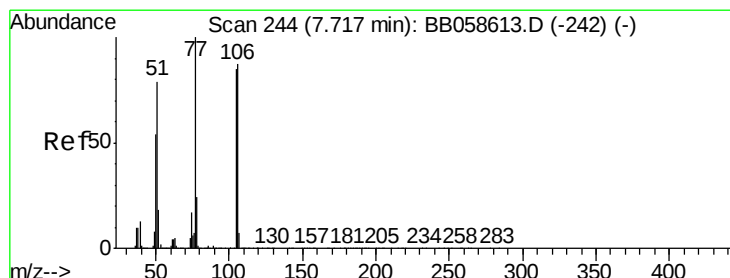
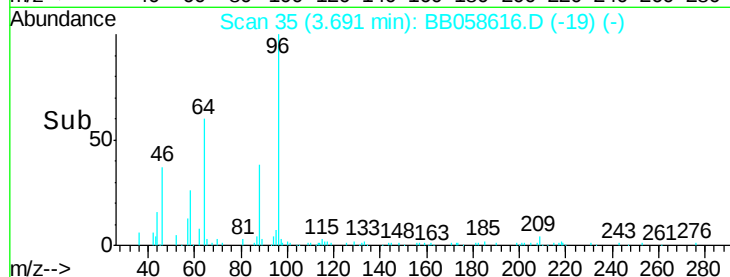
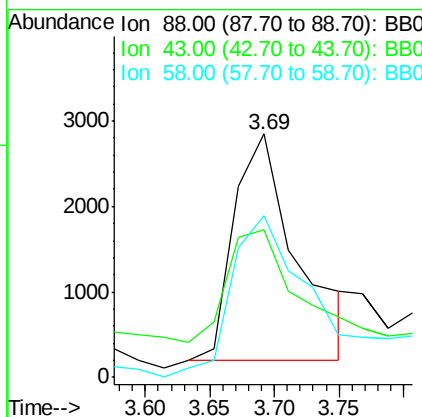
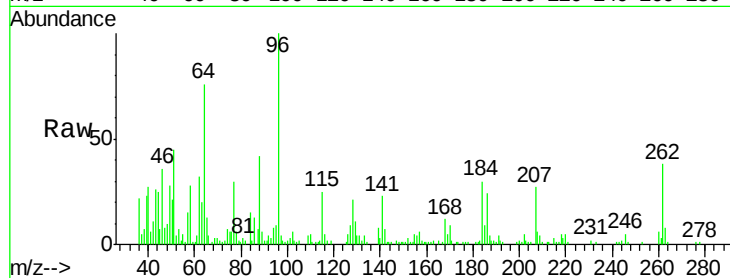
ClientSampled :

MDL-02-W

Tgt Ion:	88	Resp:	9037
Ion Ratio	Lower	Upper	
88	100		
43	61.2	22.6	34.0#
58	89.4	57.3	85.9#

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#4

Benzaldehyde

Concen: 2.59 ng/uL

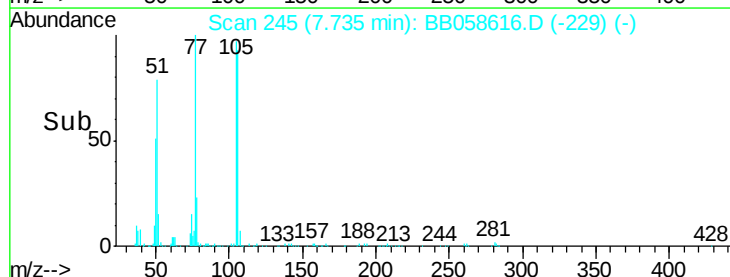
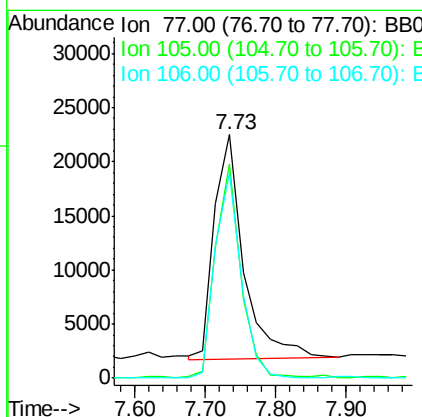
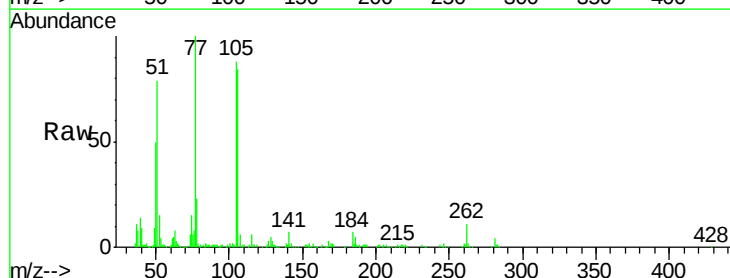
RT: 7.73 min Scan# 245

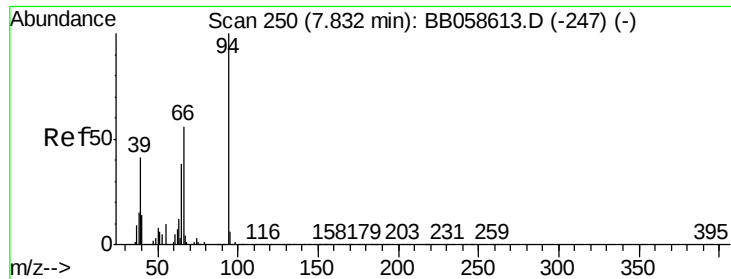
Delta R.T. 0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion:	77	Resp:	59249
Ion Ratio	Lower	Upper	
77	100		
105	88.1	76.9	115.3
106	84.3	71.8	107.8





#6

Phenol

Concen: 2.90 ng/ul

RT: 7.83 min Scan# 250

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

ClientSampleId :

MDL-02-W

Tgt Ion: 94 Resp: 102090

Ion Ratio Lower Upper

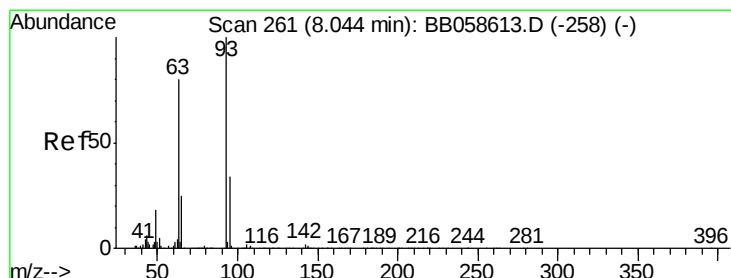
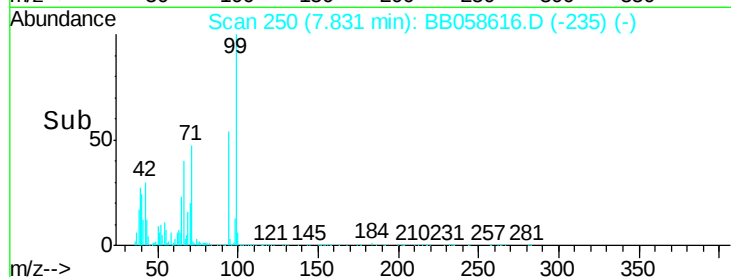
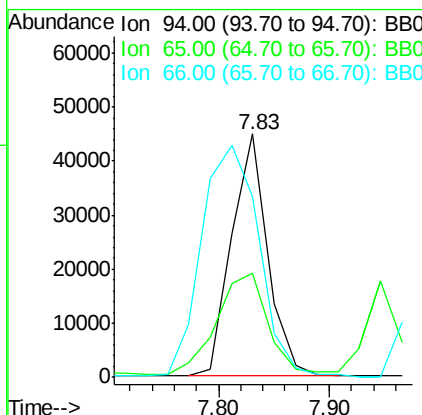
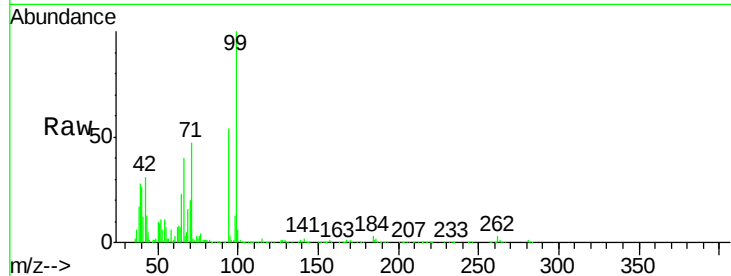
94 100

65 42.7 23.9 35.9#

66 74.3 33.5 50.3#

Manual Integrations
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#8

Bis(2-Chloroethyl)ether

Concen: 3.17 ng/ul

RT: 8.04 min Scan# 261

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

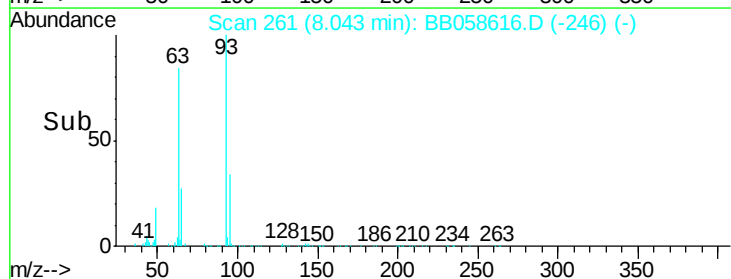
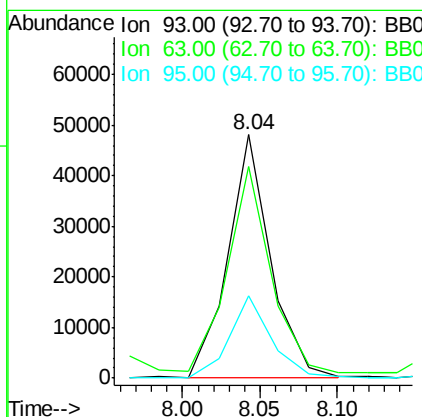
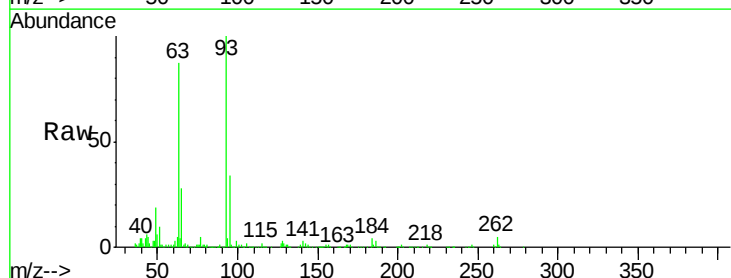
Tgt Ion: 93 Resp: 92049

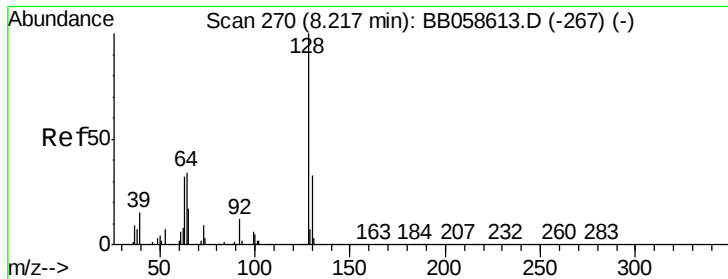
Ion Ratio Lower Upper

93 100

63 86.8 57.3 85.9#

95 33.9 25.1 37.7





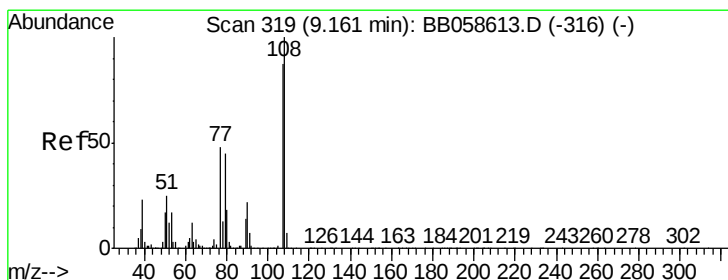
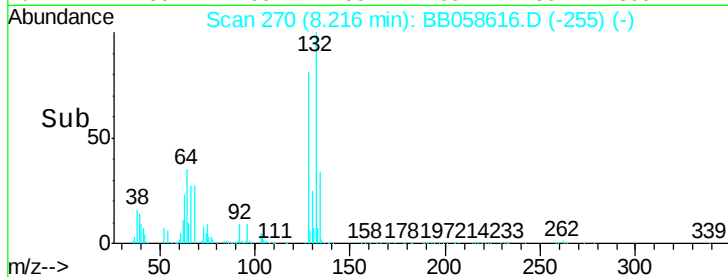
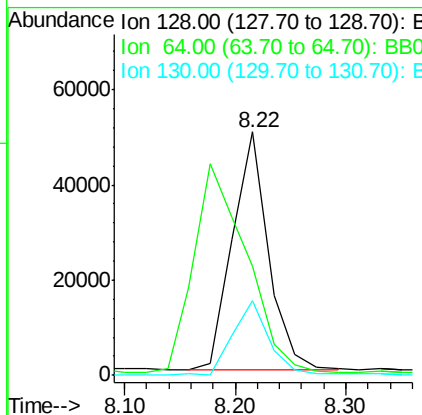
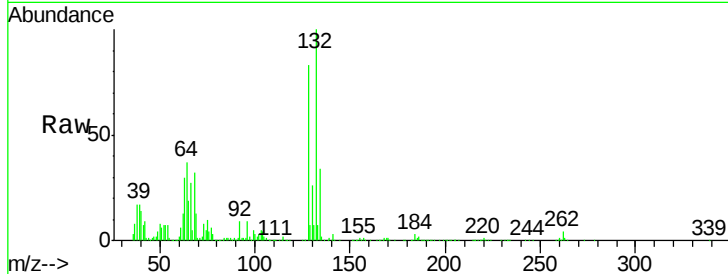
#10
2-Chlorophenol
Concen: 3.24 ng/ul
RT: 8.22 min Scan# 270
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
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ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	113428		
64	45.0	37.5	56.3	
130	30.8	25.0	37.4	

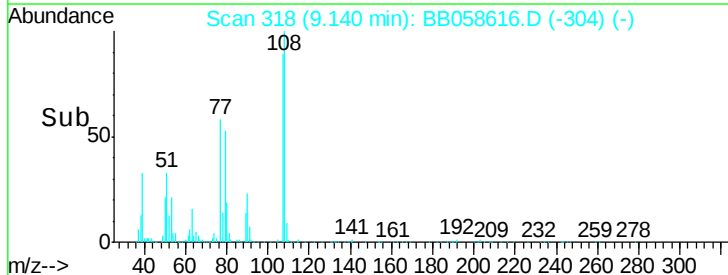
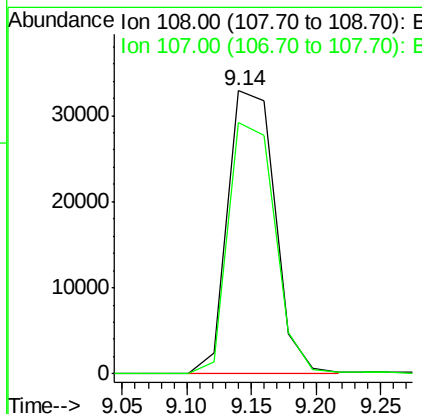
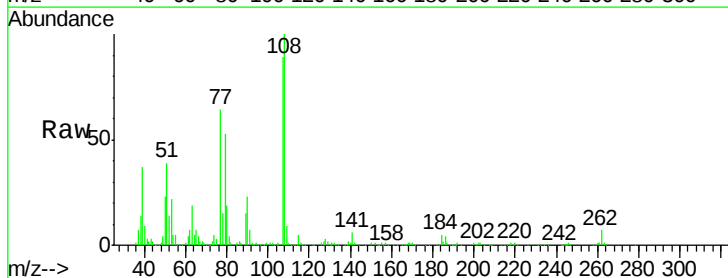
Manual Integrations
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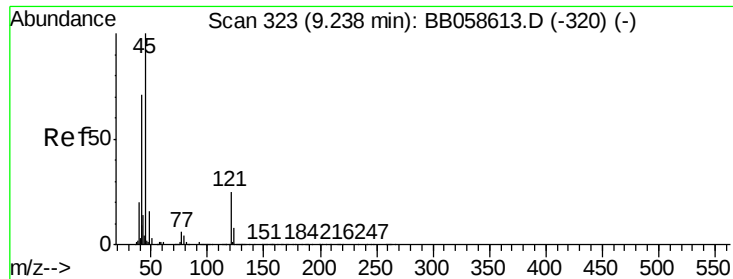
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#11
2-Methylphenol
Concen: 2.95 ng/ul
RT: 9.14 min Scan# 318
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	83404		
107	88.6	71.8	107.6	





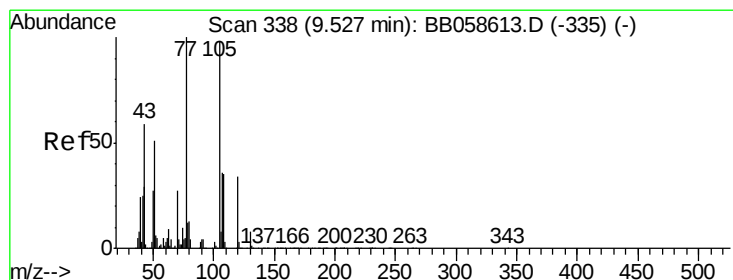
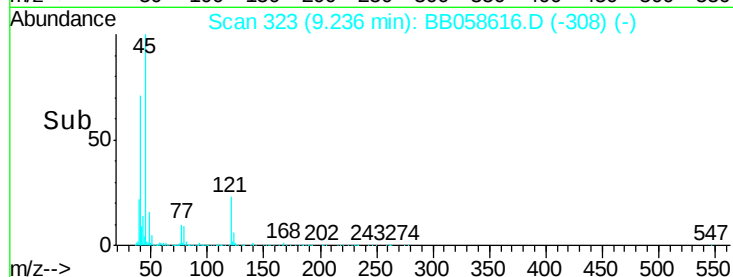
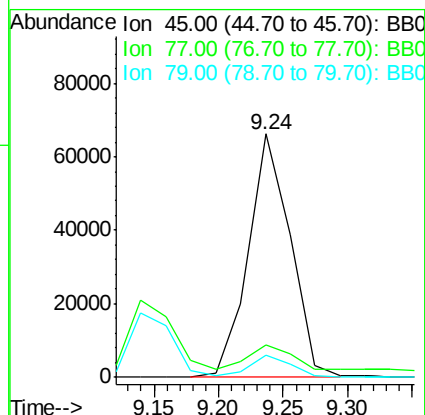
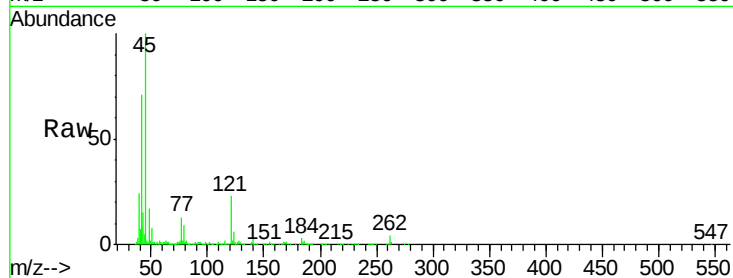
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.93 ng/ul
RT: 9.24 min Scan# 323
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.1	14.1	21.1#
79	9.0	10.4	15.6#

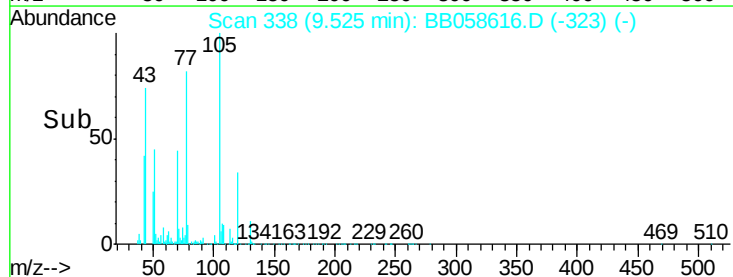
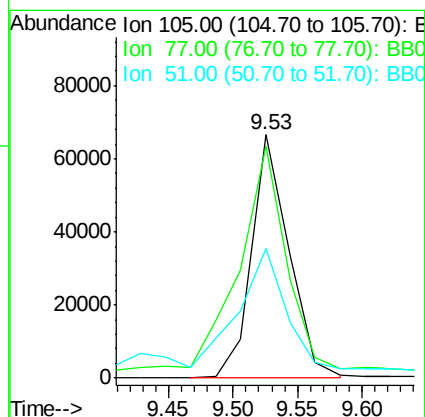
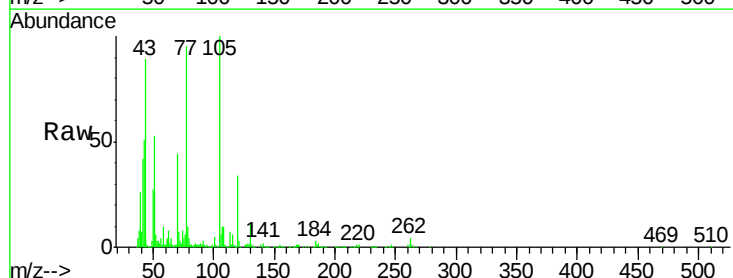
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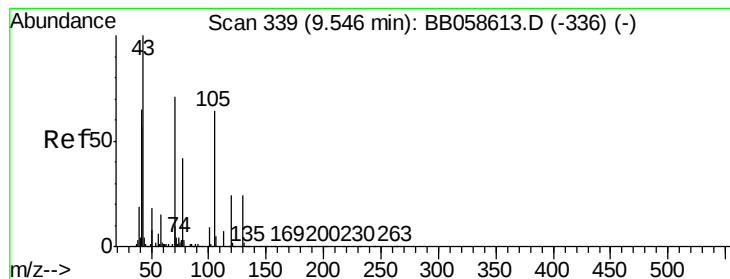
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10/13/2016 11:12:29 AM



#14
Acetophenone
Concen: 3.09 ng/ul
RT: 9.53 min Scan# 338
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
77	95.1	65.9	98.9
51	53.1	22.2	33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 2.93 ng/ul

RT: 9.54 min Scan# 339

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

ClientSampleId :

MDL-02-W

Tgt Ion: 70 Resp: 74555

Ion Ratio Lower Upper

70 100

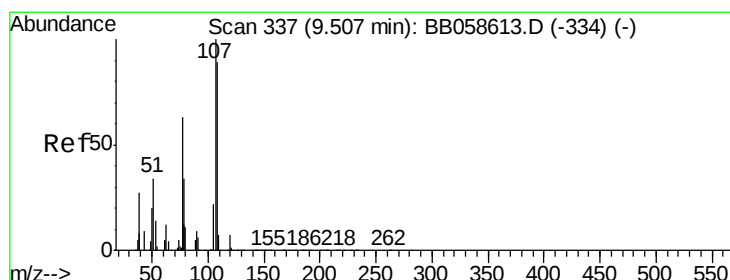
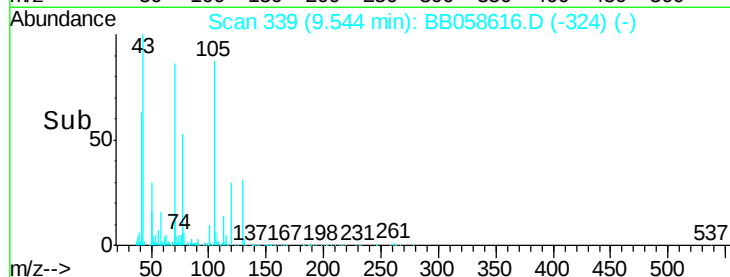
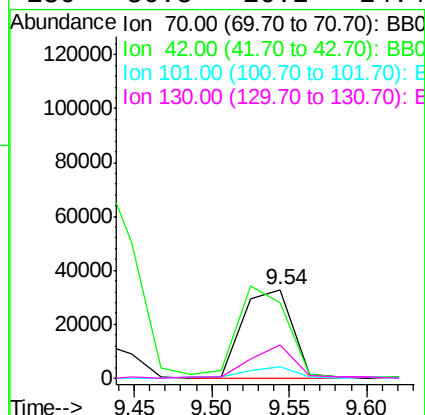
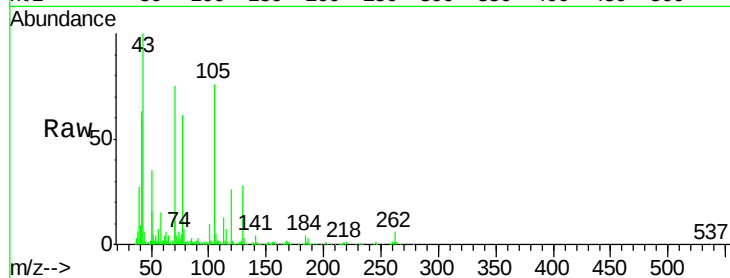
42 84.5 43.4 65.2#

101 12.7 7.8 11.6#

130 36.8 16.2 24.4#

Manual Integrations
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10/13/2016 11:12:29 AM



#16

4-Methylphenol

Concen: 2.93 ng/ul

RT: 9.51 min Scan# 337

Delta R.T. -0.00 min

Lab File: BB058616.D

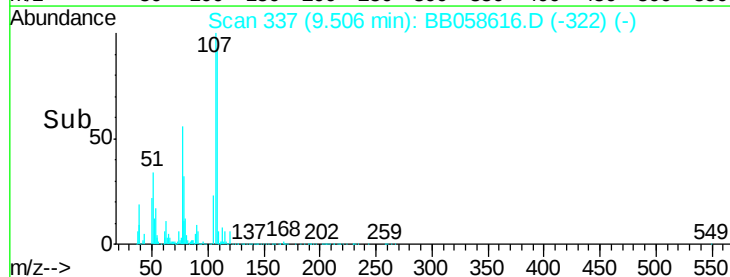
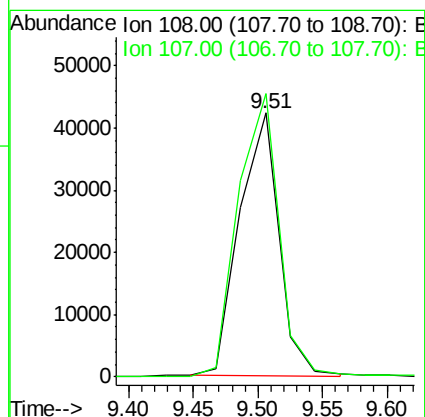
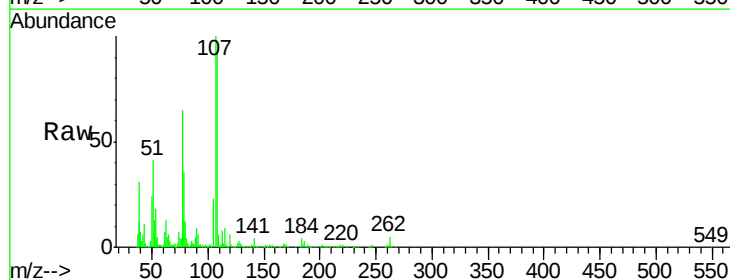
Acq: 12 Oct 2016 12:11

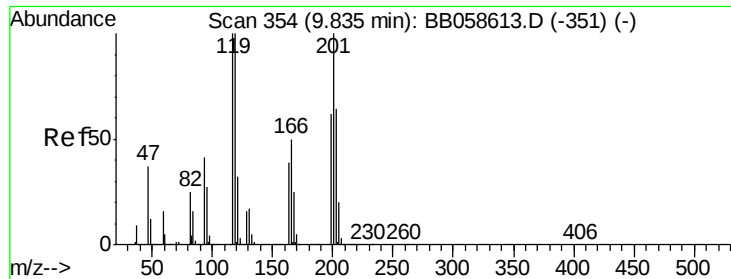
Tgt Ion: 108 Resp: 89507

Ion Ratio Lower Upper

108 100

107 107.4 87.8 131.8





#17

Hexachloroethane

Concen: 3.22 ng/ul

RT: 9.83 min Scan# 354

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

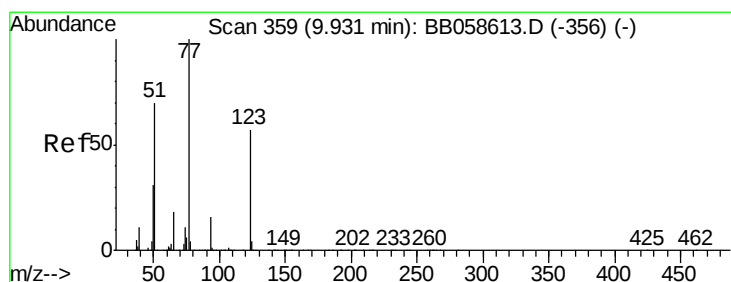
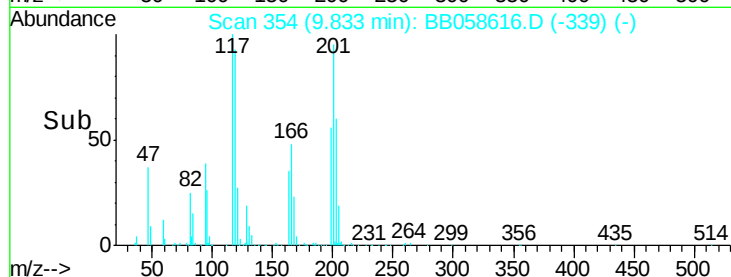
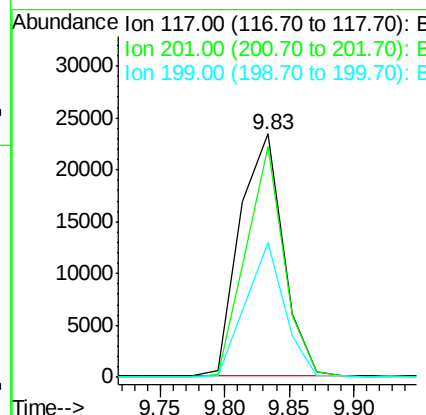
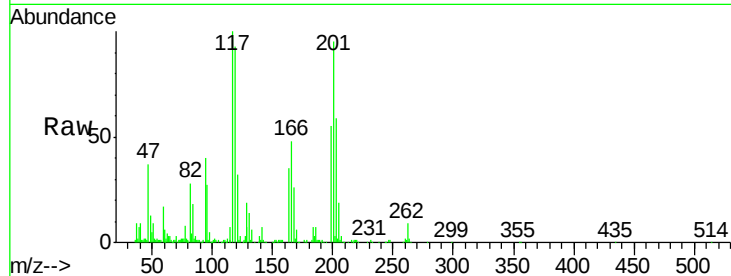
ClientSampleId :

MDL-02-W

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	90.3	135.5
199	55.4	58.5	87.7#

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#20

Nitrobenzene

Concen: 3.17 ng/ul

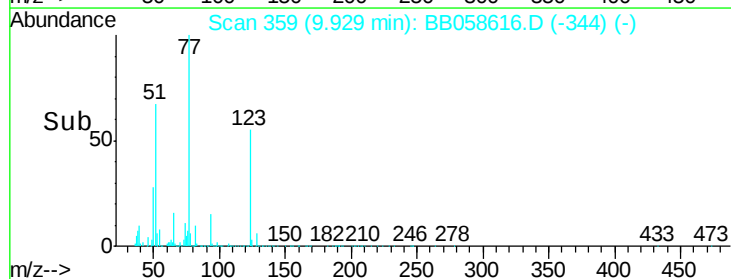
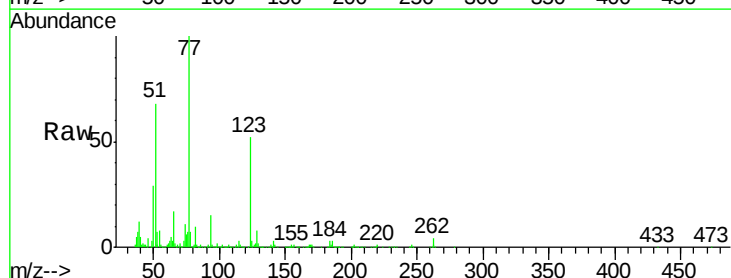
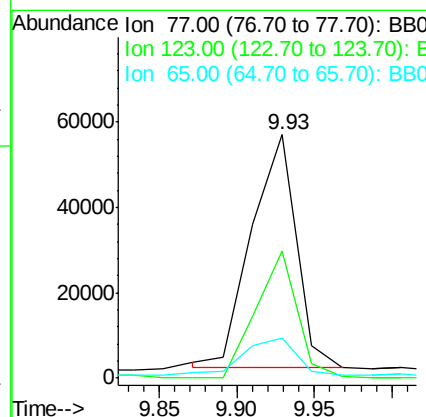
RT: 9.93 min Scan# 359

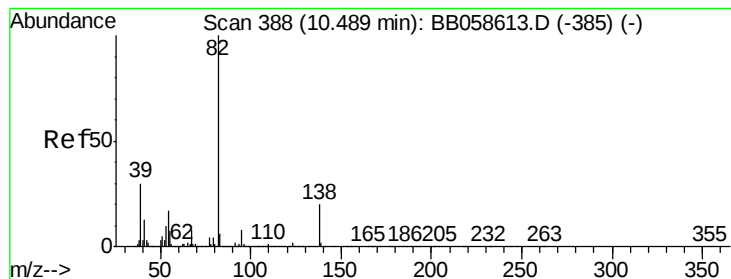
Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.4	34.2	51.4#
65	16.6	11.0	16.6#





#21

Isophorone

Concen: 3.14 ng/ul

RT: 10.49 min Scan# 388

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

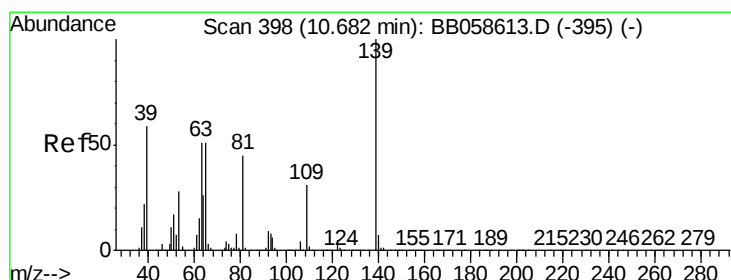
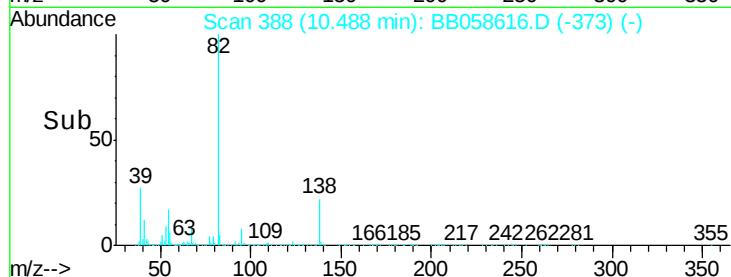
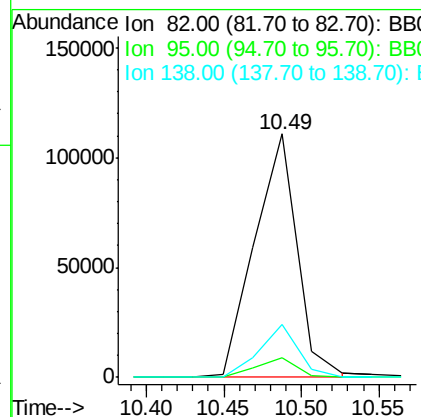
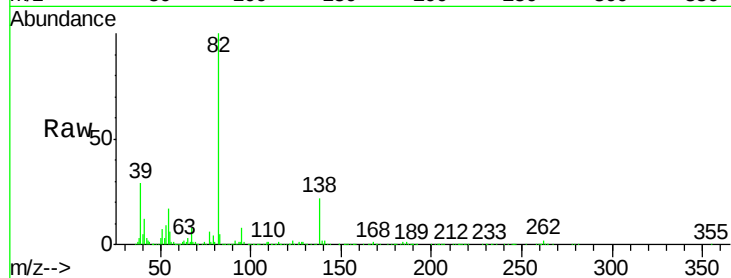
ClientSampled :

MDL-02-W

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
95	8.2	6.9	10.3
138	21.7	13.8	20.8

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#23

2-Nitrophenol

Concen: 3.37 ng/ul

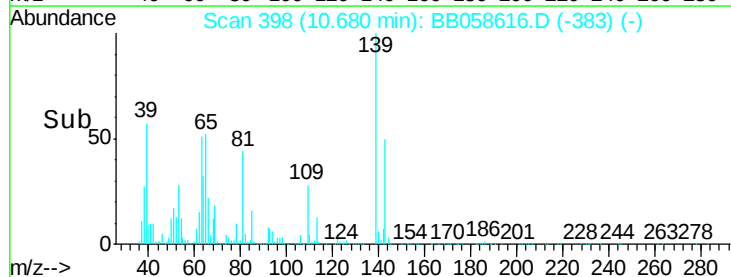
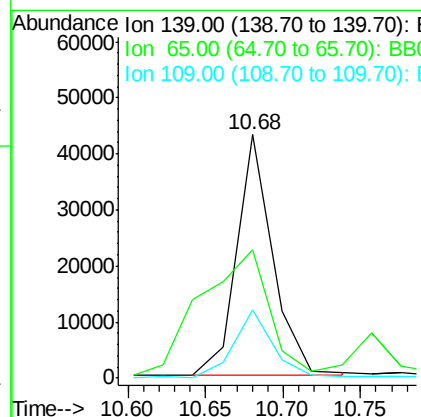
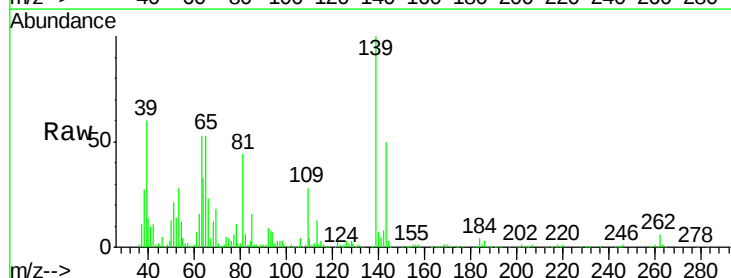
RT: 10.68 min Scan# 398

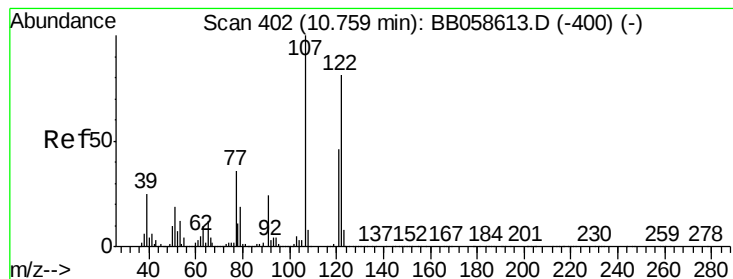
Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
65	52.7	44.2	66.4
109	28.1	28.2	42.4





#24

2,4-Dimethylphenol

Concen: 3.20 ng/ul

RT: 10.76 min Scan# 402

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

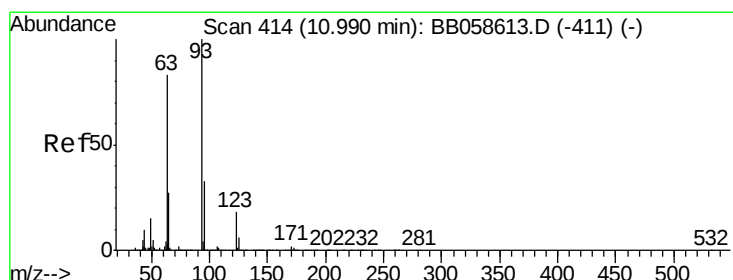
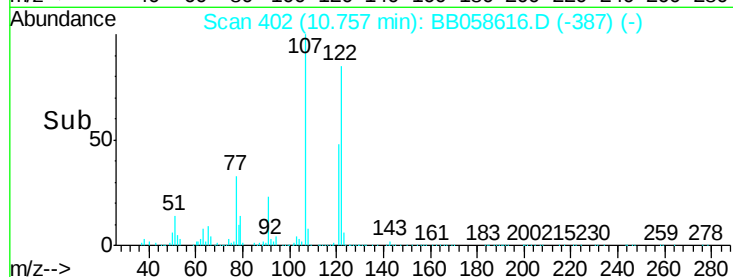
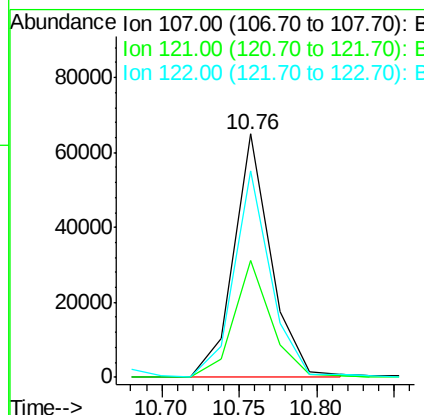
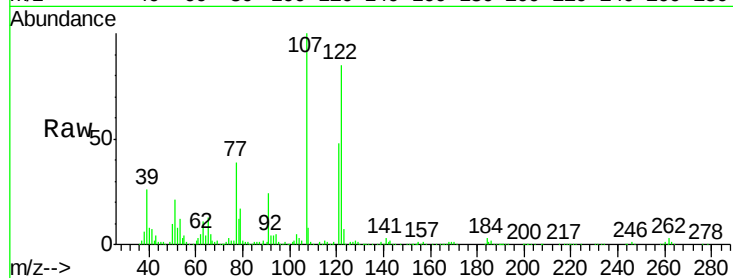
ClientSampled :

MDL-02-W

Tgt Ion:	107	Resp:	109542
Ion Ratio	Lower	Upper	
107	100		
121	48.0	37.1	55.7
122	84.6	62.8	94.2

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#25

Bis(2-Chloroethoxy)methane

Concen: 3.11 ng/ul

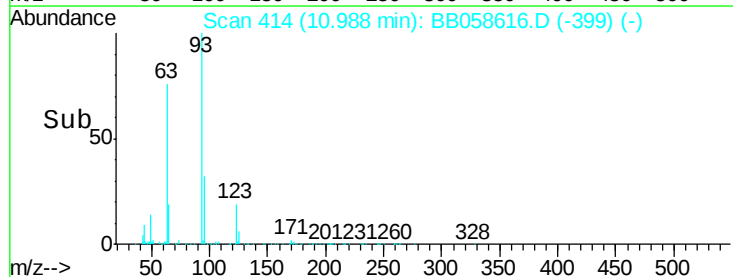
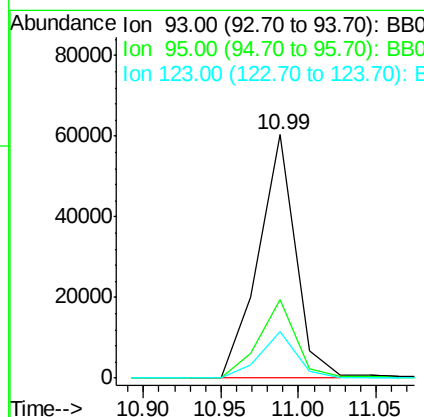
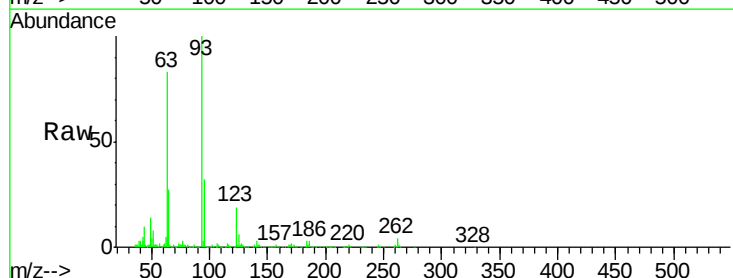
RT: 10.99 min Scan# 414

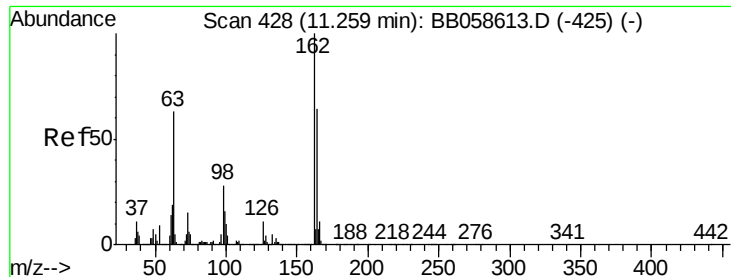
Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion:	93	Resp:	101130
Ion Ratio	Lower	Upper	
93	100		
95	32.3	25.4	38.0
123	19.1	8.3	12.5#





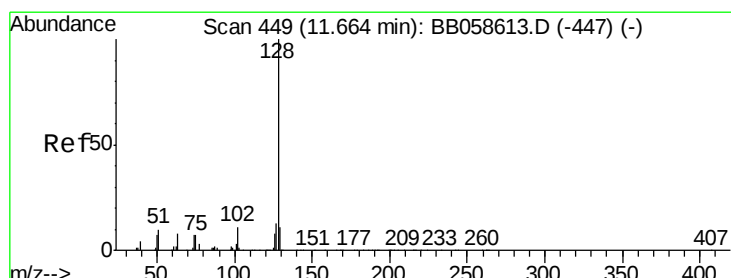
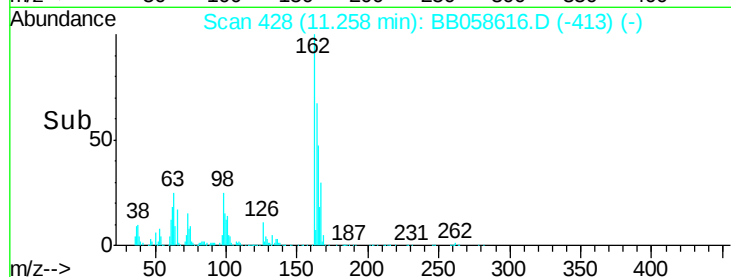
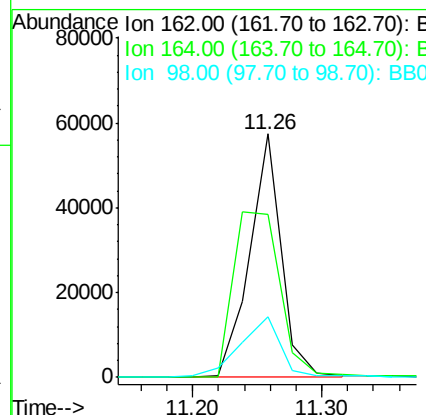
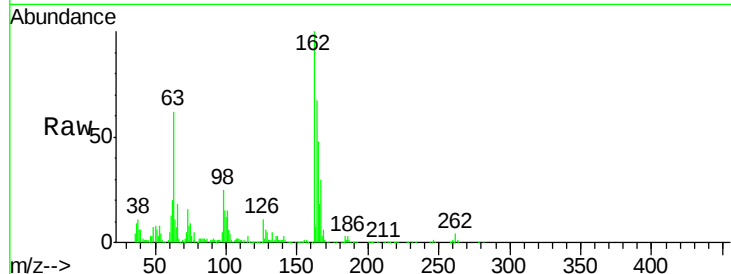
#27
 2,4-Dichlorophenol
 Concen: 3.43 ng/ul
 RT: 11.26 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	66.7	51.6	77.4
98	25.0	28.4	42.6

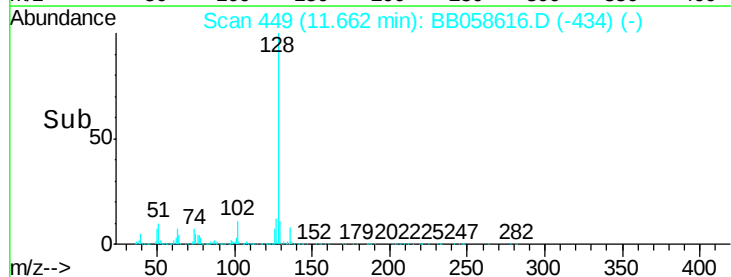
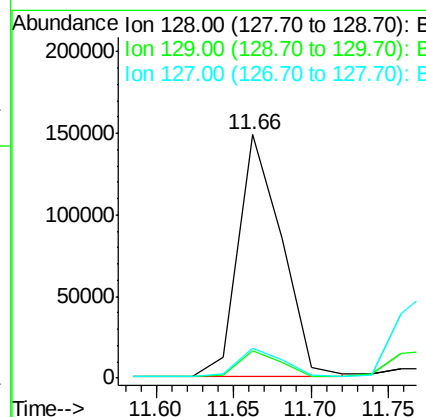
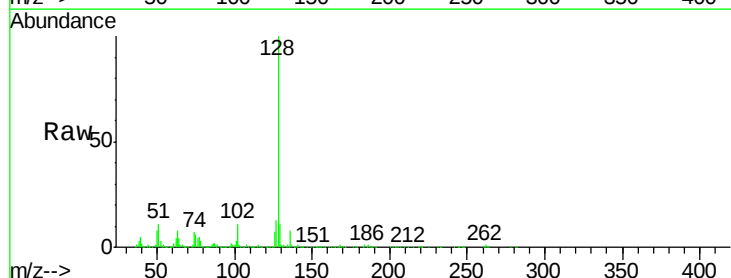
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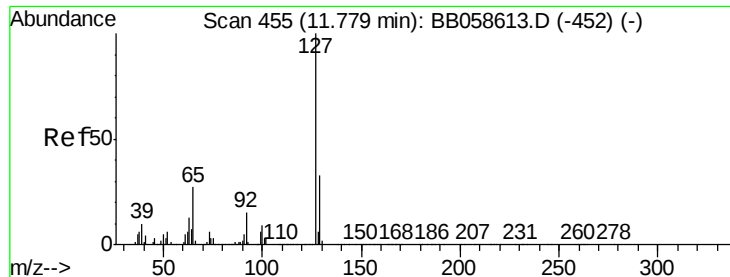
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#28
 Naphthalene
 Concen: 3.39 ng/ul
 RT: 11.66 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.2	8.6	12.8
127	12.5	10.6	15.8





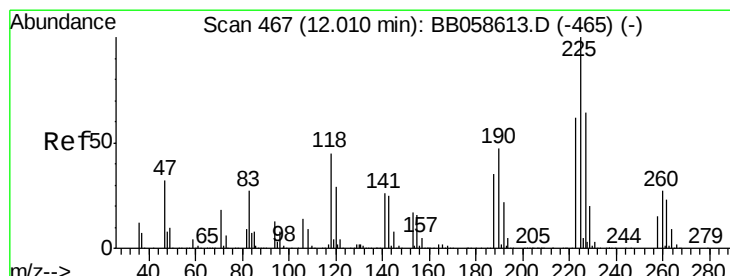
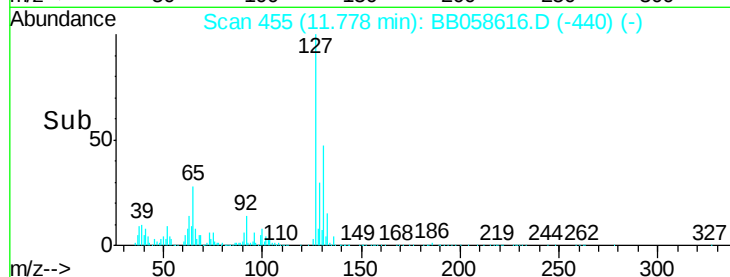
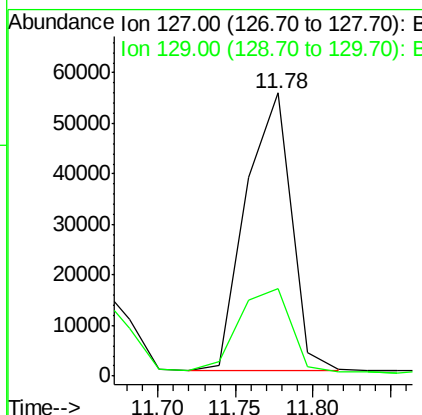
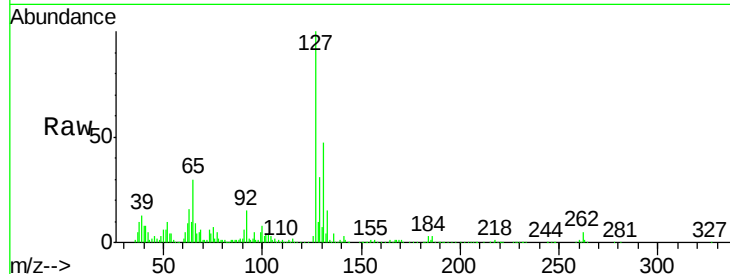
#30
4-Chloroaniline
Concen: 3.50 ng/ul
RT: 11.78 min Scan# 455
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion:127 Resp: 113406
Ion Ratio Lower Upper
127 100
129 30.8 24.6 37.0

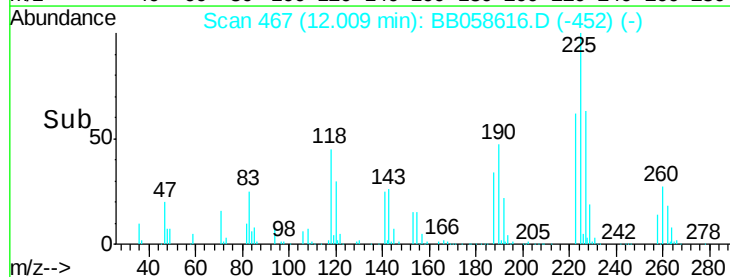
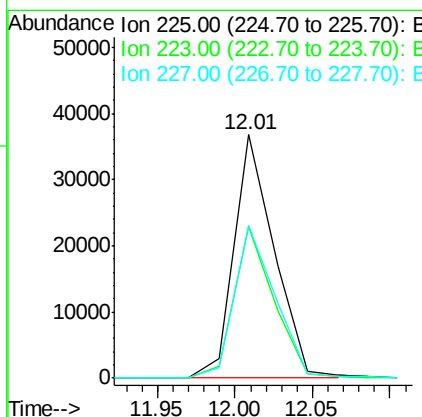
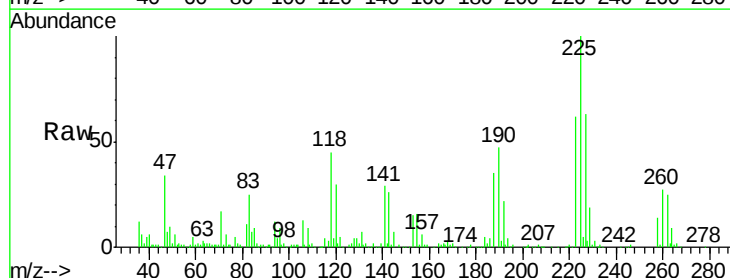
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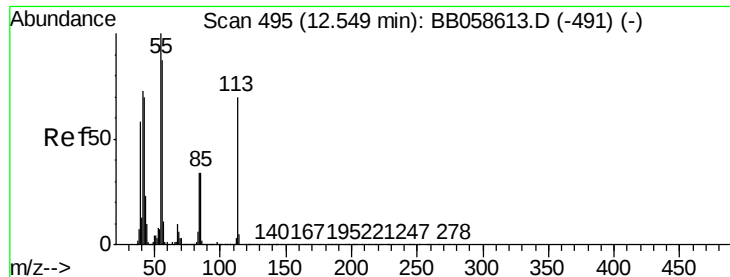
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#31
Hexachlorobutadiene
Concen: 3.44 ng/ul
RT: 12.01 min Scan# 467
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion:225 Resp: 66877
Ion Ratio Lower Upper
225 100
223 62.5 51.2 76.8
227 62.6 52.5 78.7





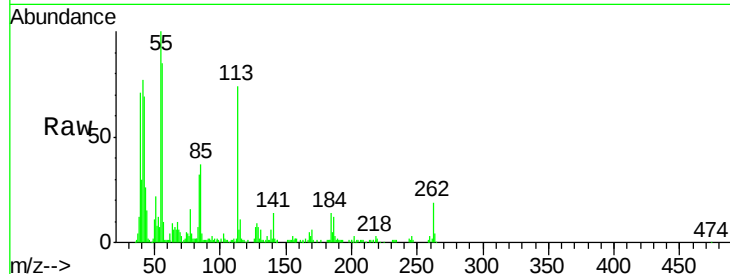
#32
Caprolactam
Concen: 2.68 ng/ul
RT: 12.59 min Scan# 497
Delta R.T. 0.04 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

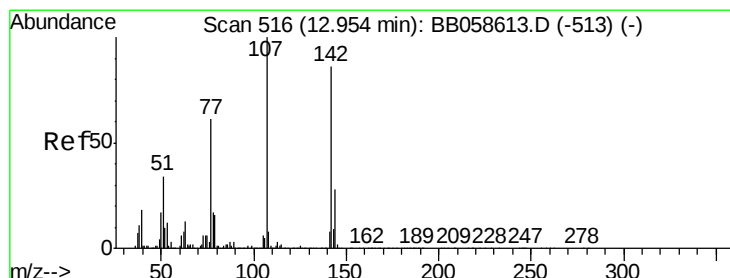
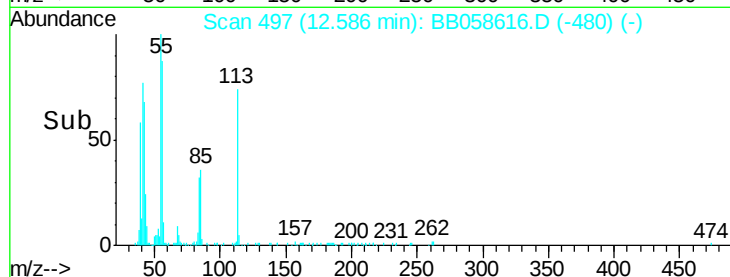
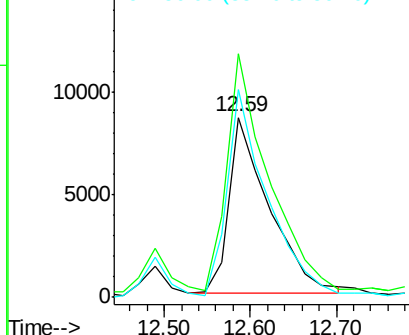
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	27736		
55	135.4	121.9	182.9	
56	115.5	97.4	146.0	

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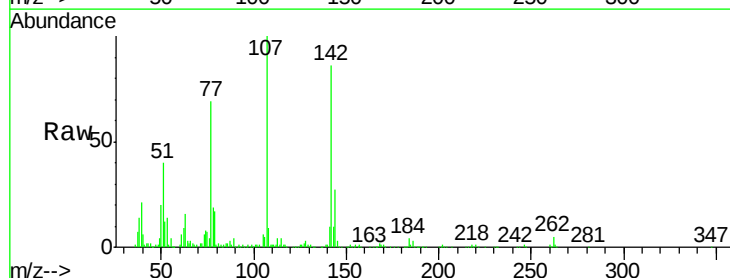


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BB0
Ion 56.00 (55.70 to 56.70): BB0

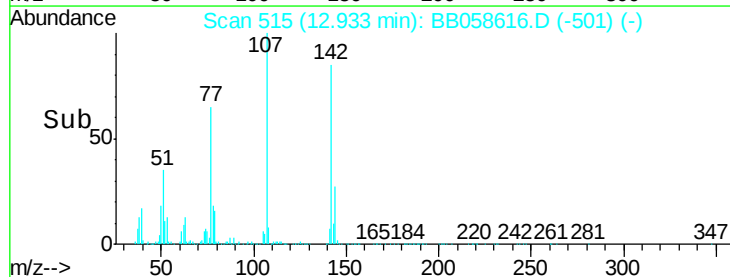
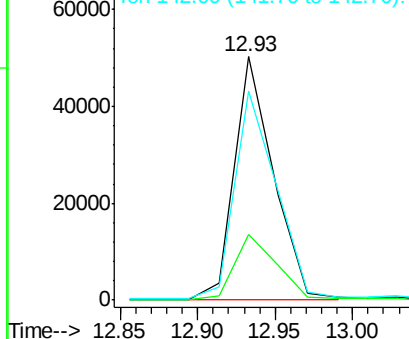


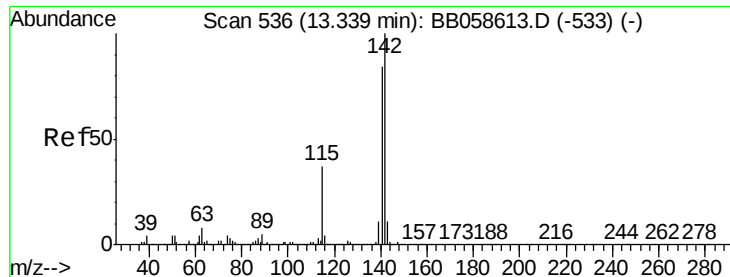
#33
4-Chloro-3-methylphenol
Concen: 3.16 ng/ul
RT: 12.93 min Scan# 515
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	89441		
144	27.0	21.1	31.7	
142	85.7	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





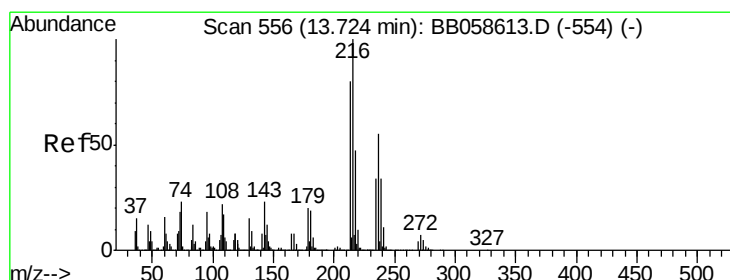
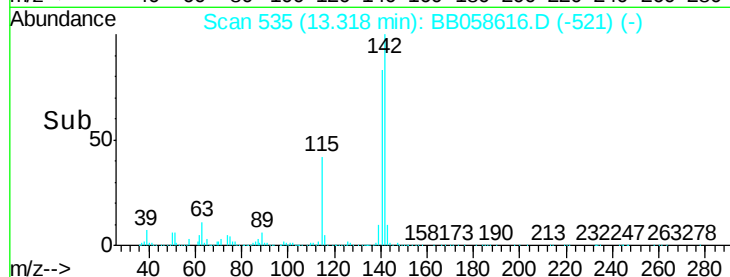
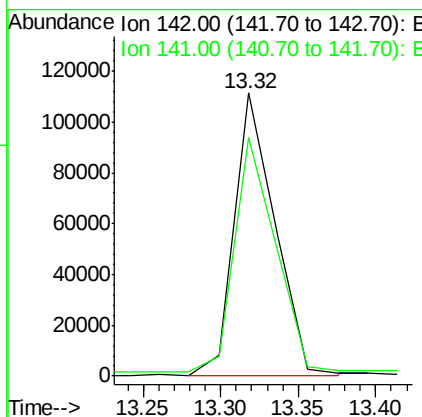
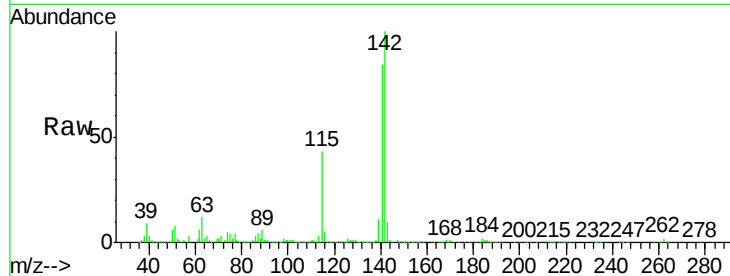
#34
2-Methylnaphthalene
Concen: 3.44 ng/ul
RT: 13.32 min Scan# 535
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	203279		
141	84.1	71.3	106.9	

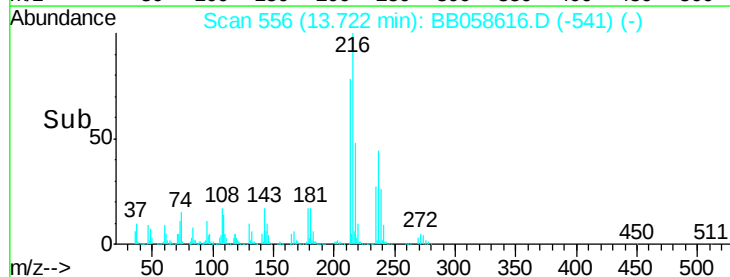
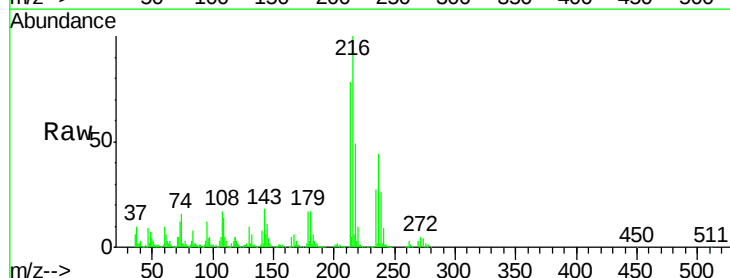
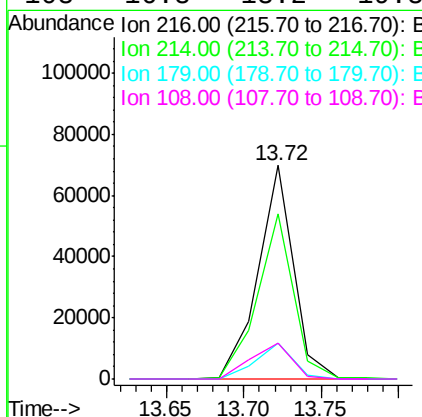
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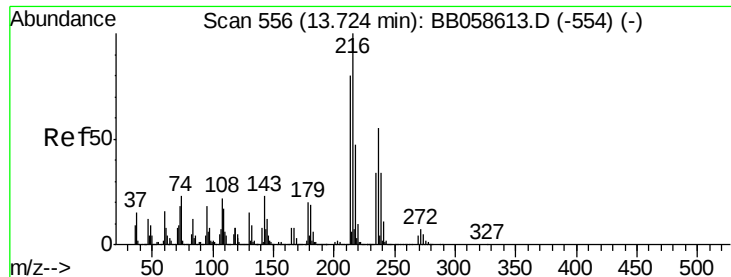
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#36
1,2,4,5-Tetrachlorobenzene
Concen: 3.38 ng/ul
RT: 13.72 min Scan# 556
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	112941		
214	77.6	64.8	97.2	
179	17.0	16.7	25.1	
108	16.8	13.2	19.8	





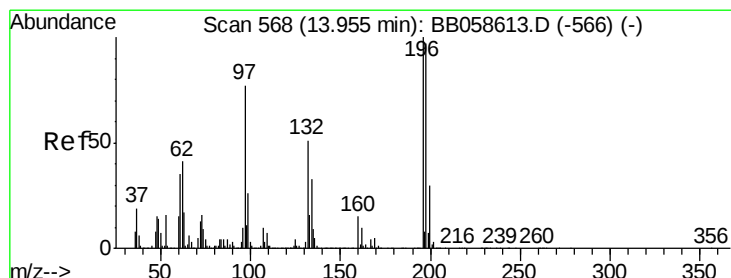
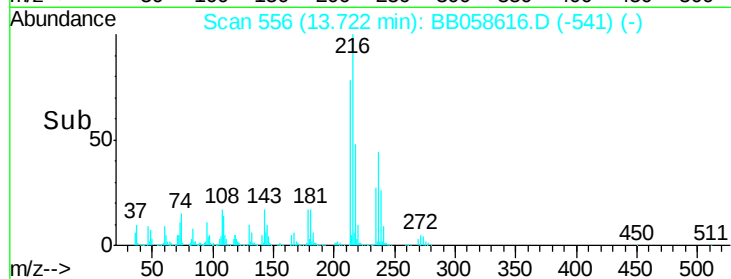
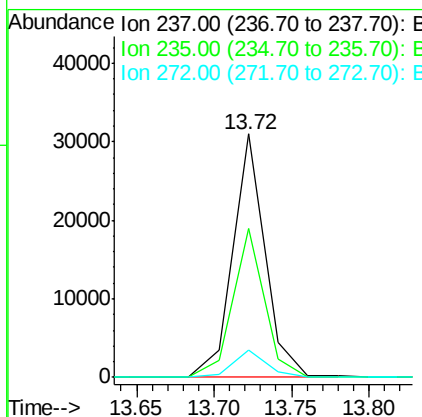
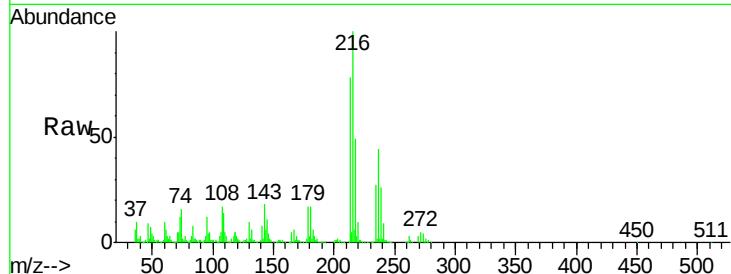
#37
Hexachlorocyclopentadiene
Concen: 2.16 ng/ul
RT: 13.72 min Scan# 556
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	60.9	49.6	74.4
272	11.3	10.4	15.6

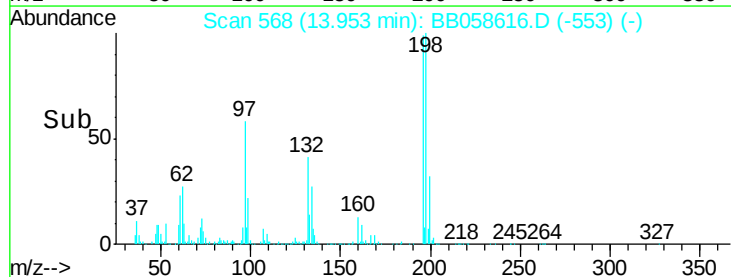
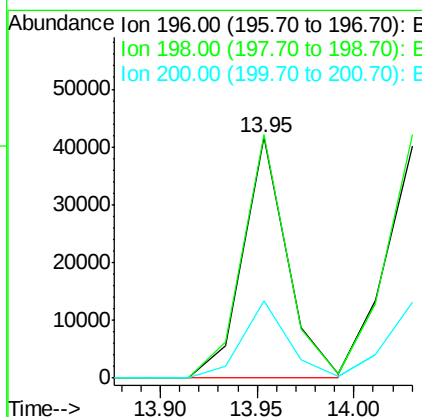
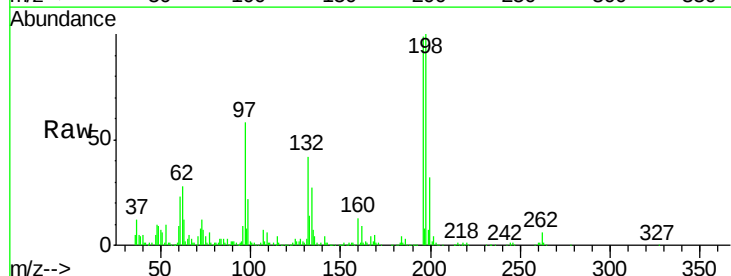
Manual Integrations
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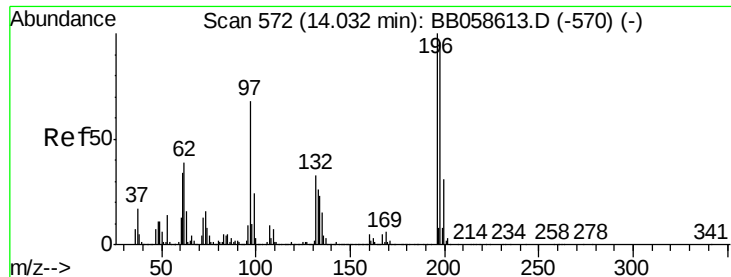
SOHIL
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#38
2,4,6-Trichlorophenol
Concen: 3.24 ng/ul
RT: 13.95 min Scan# 568
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
196	100		
198	101.1	76.9	115.3
200	32.2	25.1	37.7





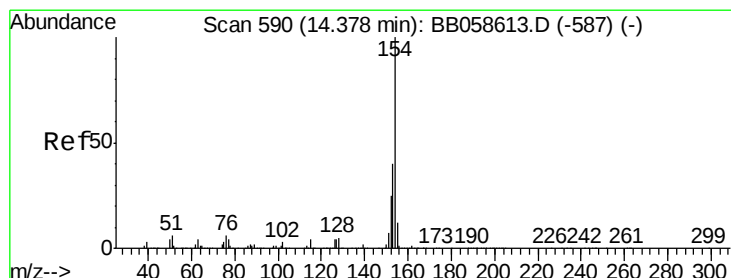
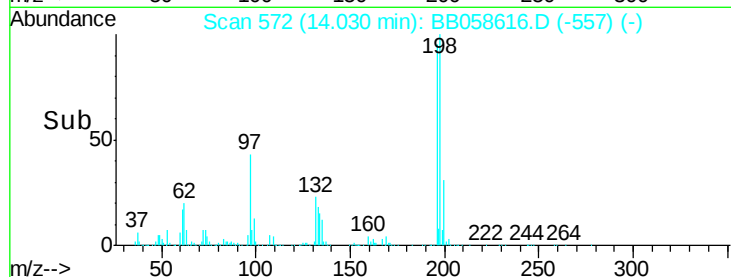
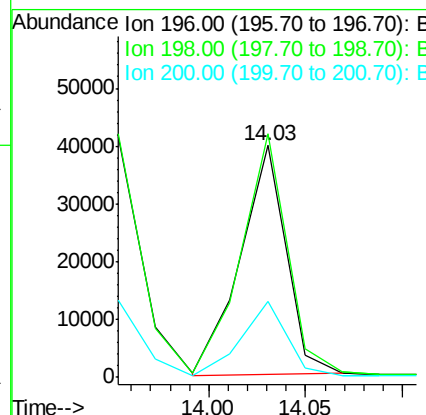
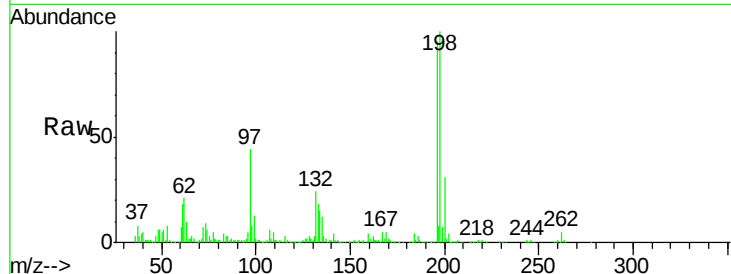
#39
 2,4,5-Trichlorophenol
 Concen: 3.01 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	64784		
198	105.0	76.8	115.2	
200	32.9	27.0	40.4	

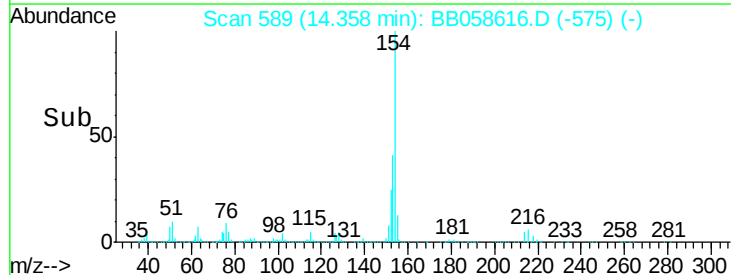
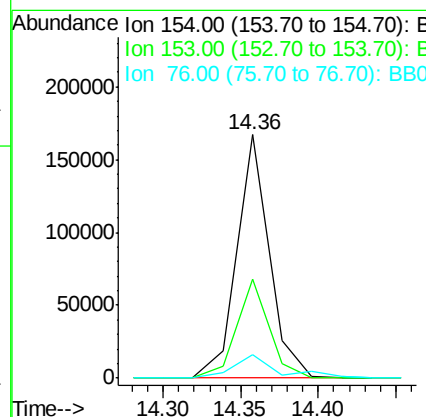
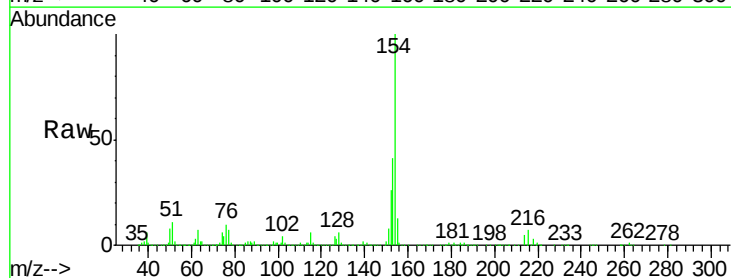
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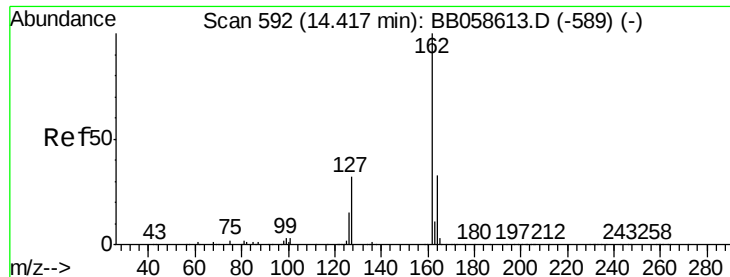
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#40
 1,1'-Biphenyl
 Concen: 3.35 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	244669		
153	40.7	31.3	46.9	
76	9.6	10.0	15.0	





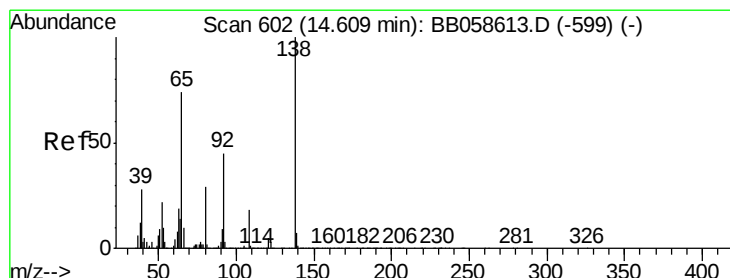
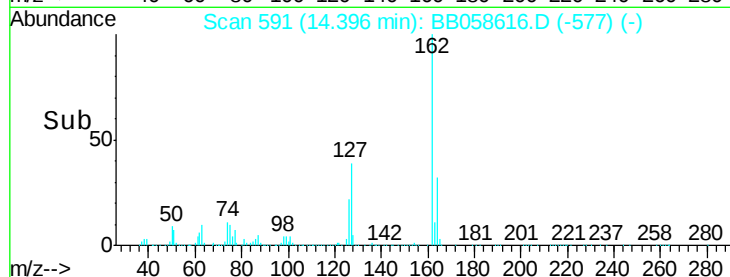
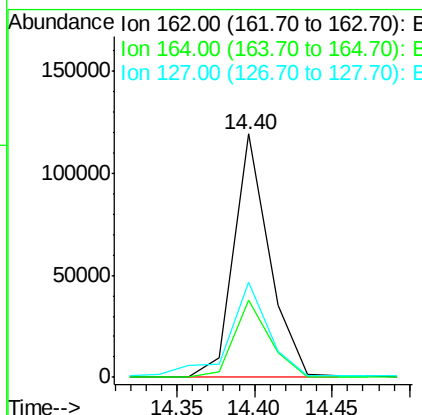
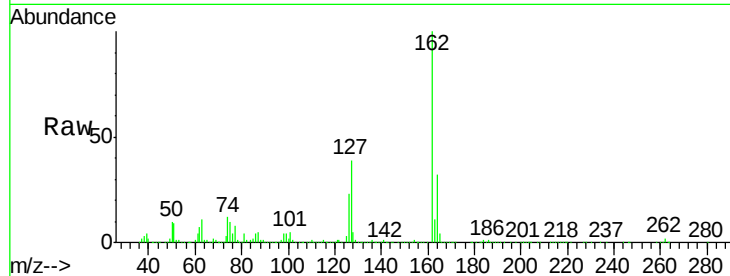
#41
2-Chloronaphthalene
Concen: 3.31 ng/ul
RT: 14.40 min Scan# 591
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		192192
164	31.5	26.9	40.3
127	39.1	31.2	46.8

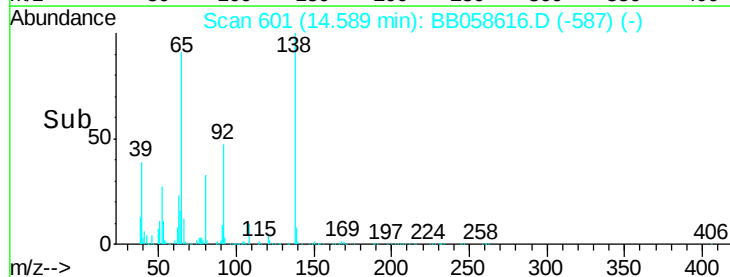
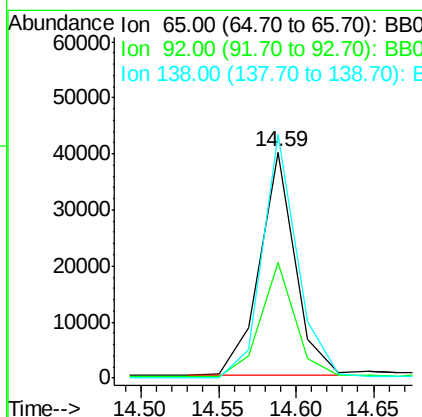
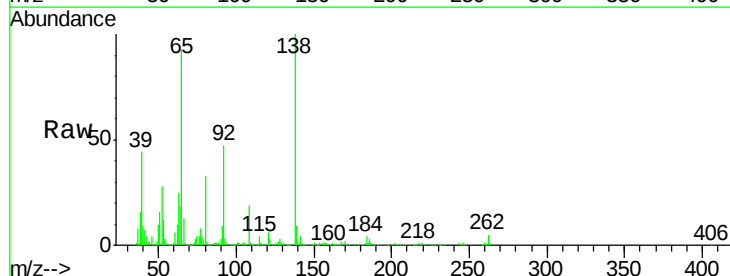
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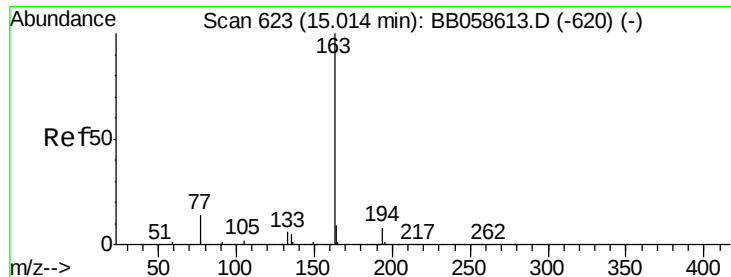
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#42
2-Nitroaniline
Concen: 2.84 ng/ul
RT: 14.59 min Scan# 601
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		63476
92	51.0	55.6	83.4#
138	107.6	81.3	121.9





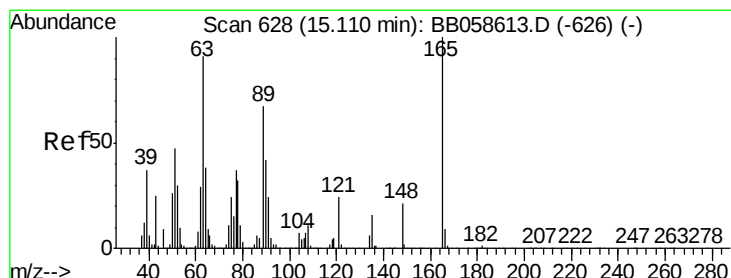
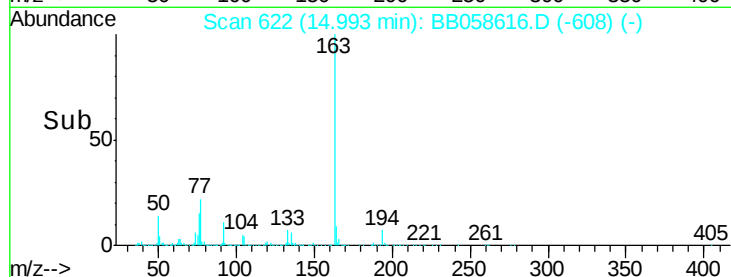
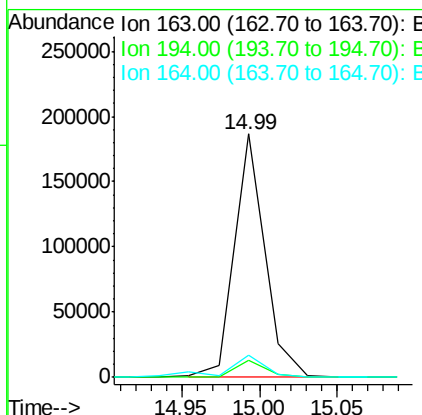
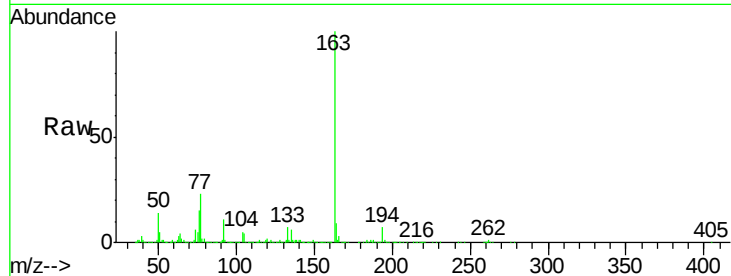
#44
Dimethylphthalate
Concen: 3.52 ng/ul
RT: 14.99 min Scan# 622
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampled :
MDL-02-W

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	7.0	3.4	5.2#
164	9.2	7.8	11.8

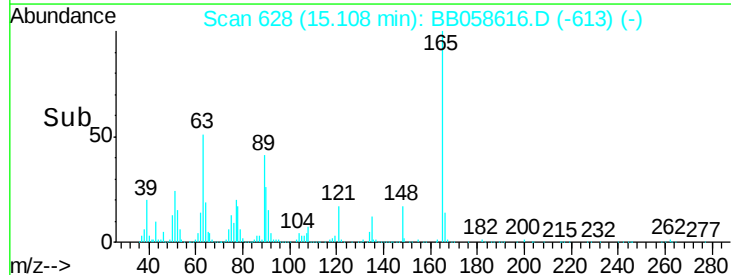
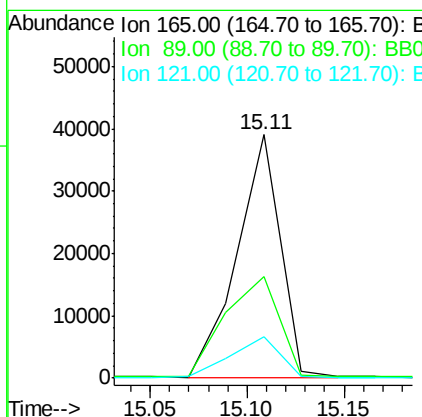
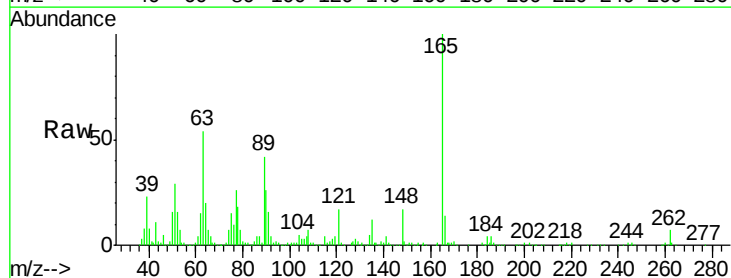
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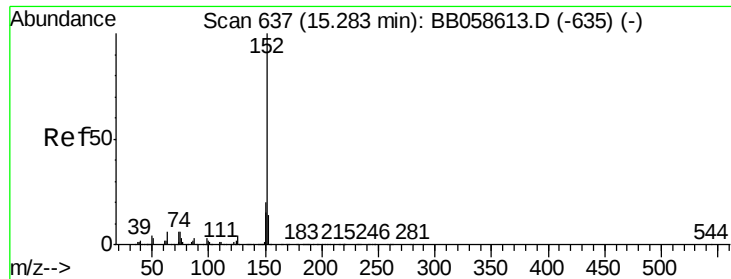
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#45
2,6-Dinitrotoluene
Concen: 3.32 ng/ul
RT: 15.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
89	41.8	46.6	69.8#
121	17.2	16.0	24.0





#47

Acenaphthylene

Concen: 3.68 ng/ul

RT: 15.28 min Scan# 637

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

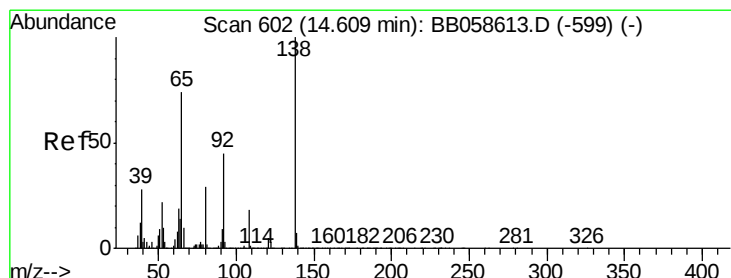
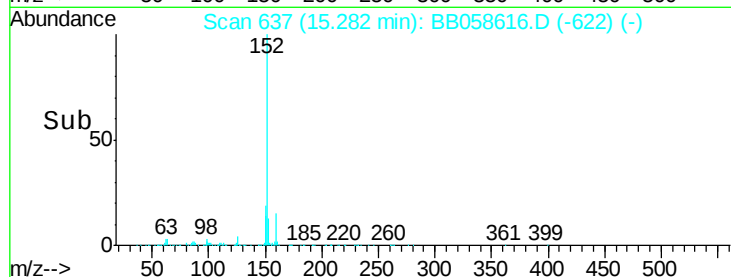
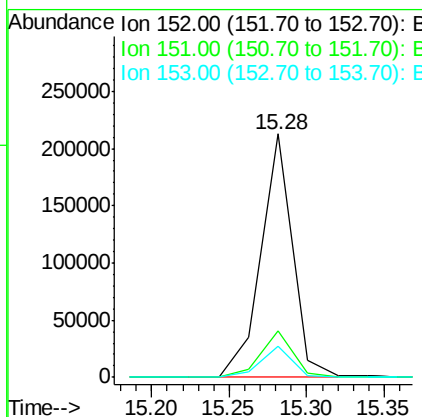
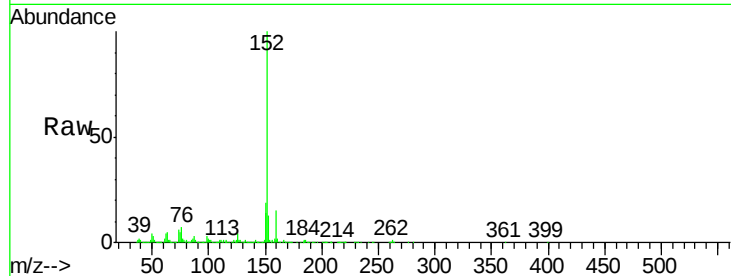
ClientSampled :

MDL-02-W

Tgt Ion:	152	Resp:	304576
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.0	24.0
153	12.9	11.0	16.6

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#48

3-Nitroaniline

Concen: 2.86 ng/ul

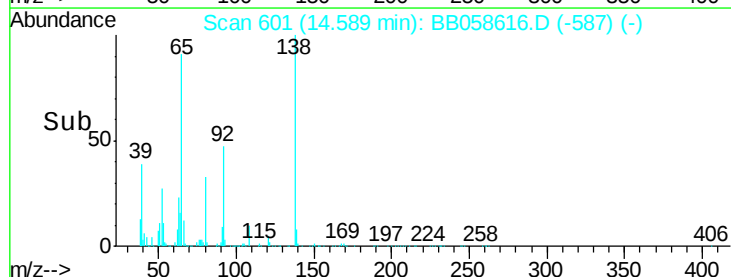
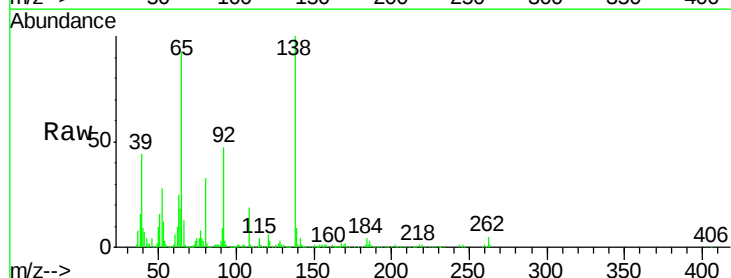
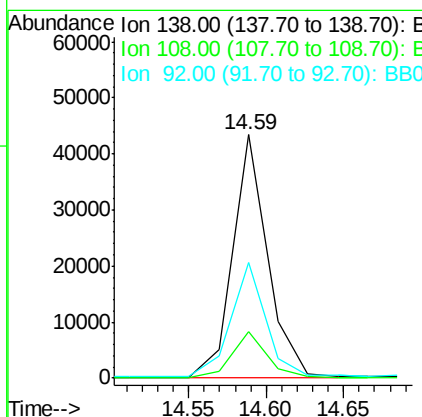
RT: 14.59 min Scan# 601

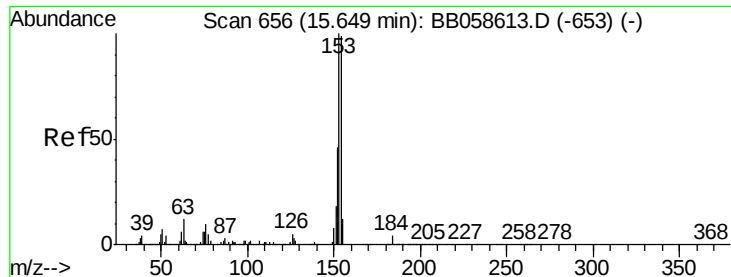
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion:	138	Resp:	68475
Ion Ratio	Lower	Upper	
138	100		
108	19.1	9.4	14.0#
92	47.4	96.6	145.0#





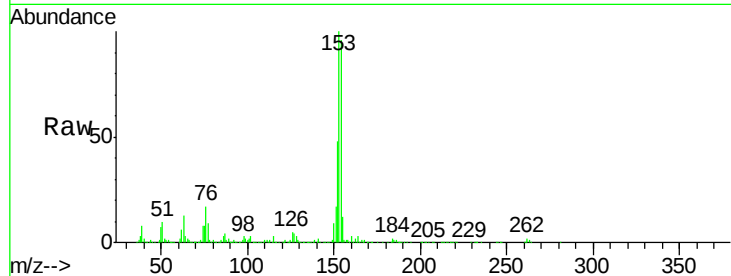
#49
Acenaphthene
Concen: 3.25 ng/ul
RT: 15.63 min Scan# 655
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

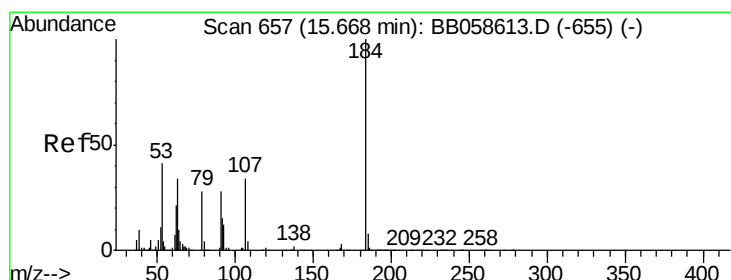
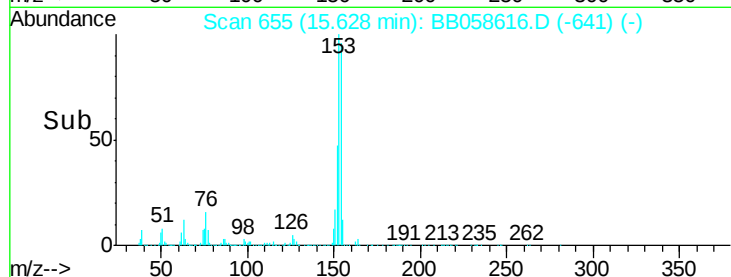
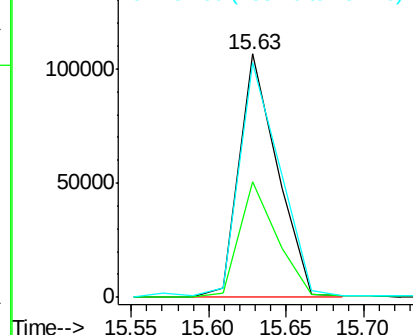
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	184629		
152	47.7		37.8	56.6
154	96.3		71.4	107.0

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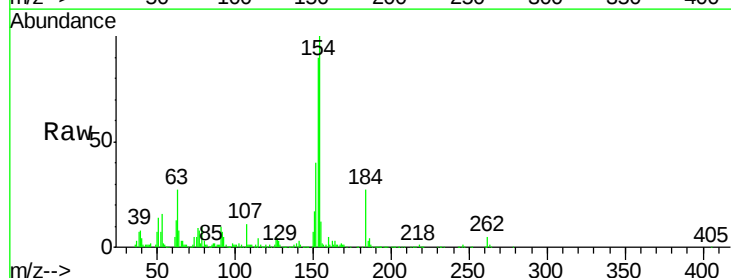


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

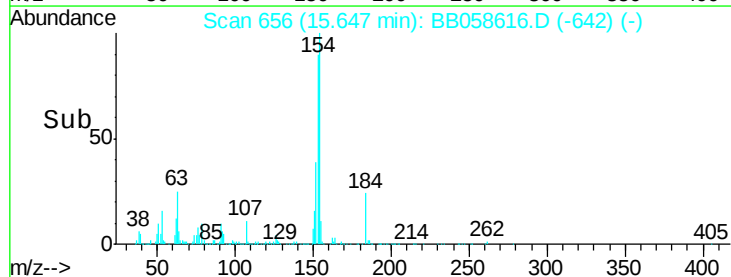
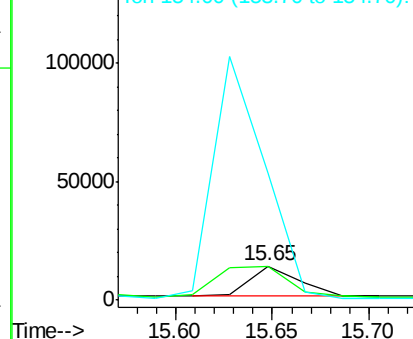


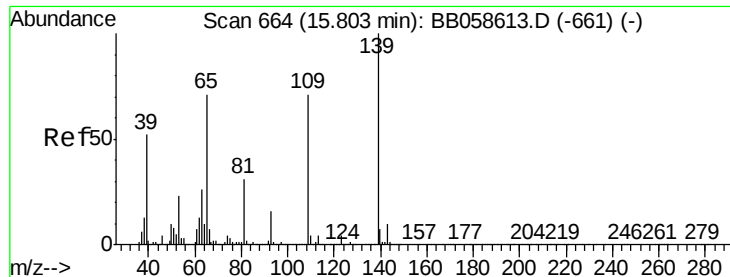
#50
2,4-Dinitrophenol
Concen: 1.70 ng/ul
RT: 15.65 min Scan# 656
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	22101		
63	100.0		43.4	65.0#
154	375.5		48.2	72.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BB0
Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 3.04 ng/ul

RT: 15.78 min Scan# 663

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

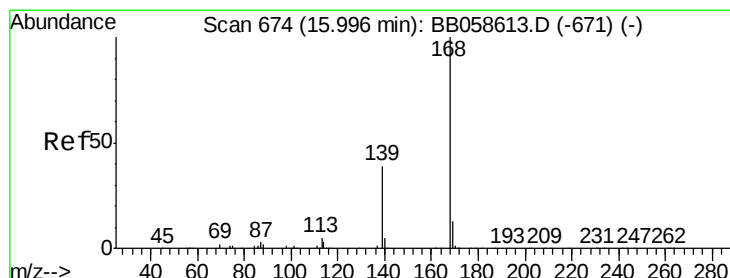
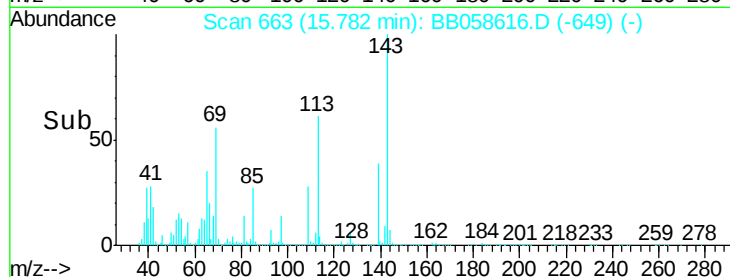
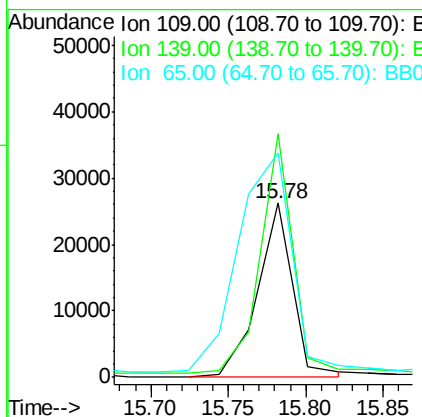
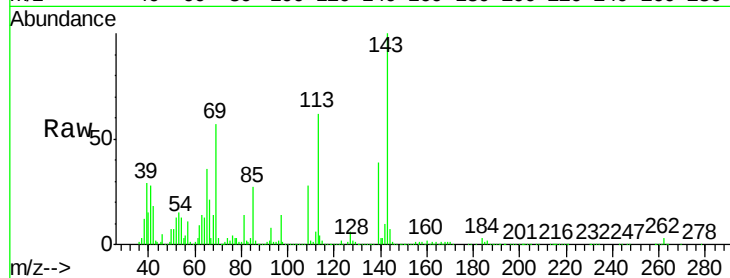
ClientSampleId :

MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	41138		
139	140.0	88.7	133.1#	
65	129.3	96.4	144.6	

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#53

Dibenzofuran

Concen: 3.55 ng/ul

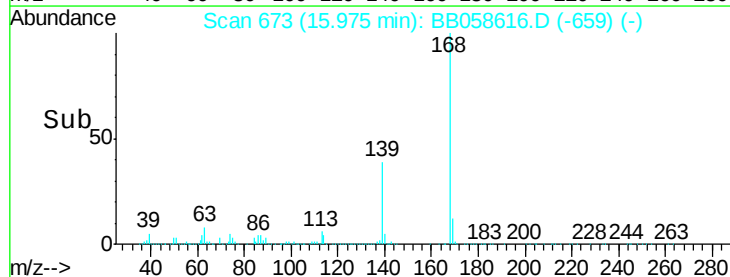
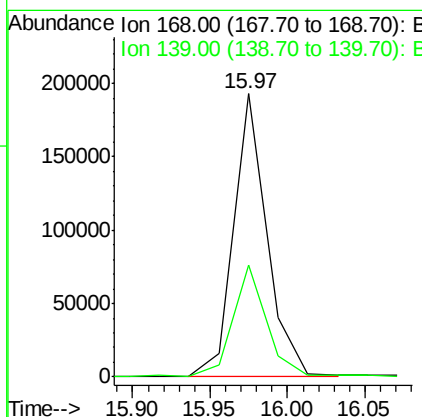
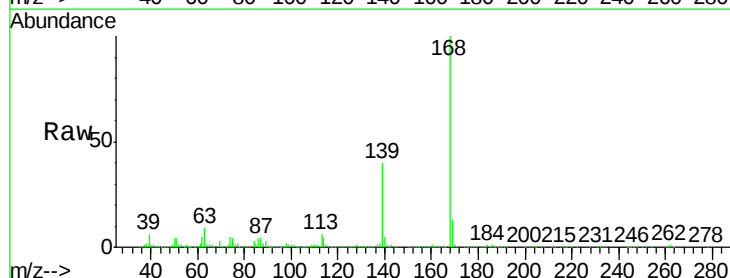
RT: 15.97 min Scan# 673

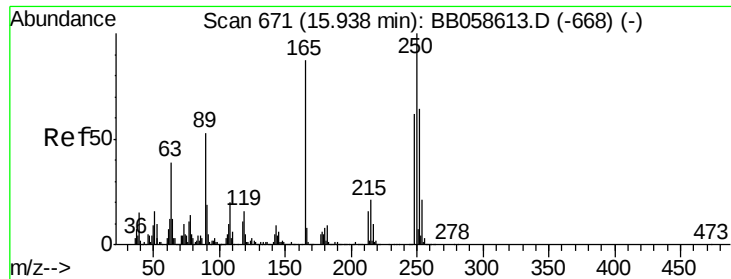
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	287629		
139	39.5	30.1	45.1	





#54

2,4-Dinitrotoluene

Concen: 3.34 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

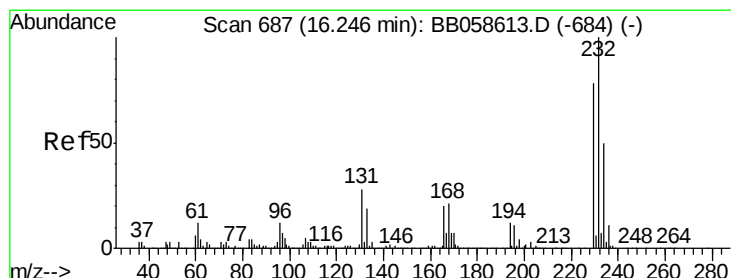
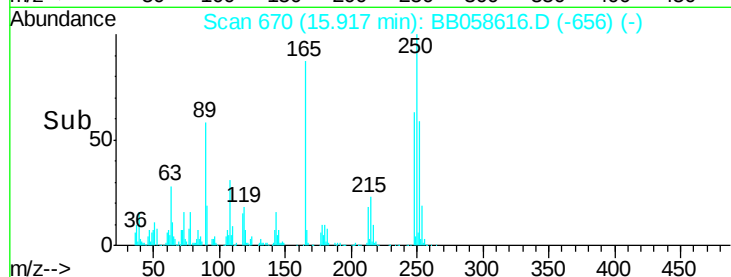
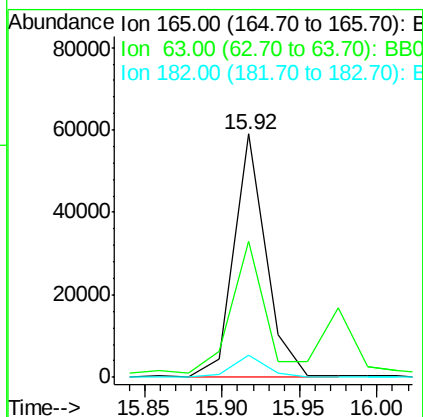
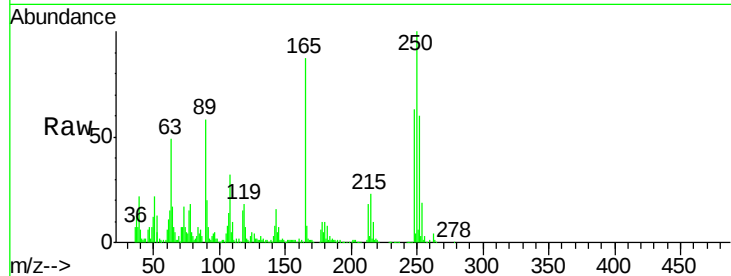
ClientSampleId :

MDL-02-W

Tgt Ion:	165	Resp:	85199
Ion Ratio	Lower	Upper	
165	100		
63	55.8	36.2	54.2#
182	9.2	2.2	3.4#

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#55

2,3,4,6-Tetrachlorophenol

Concen: 3.21 ng/ul

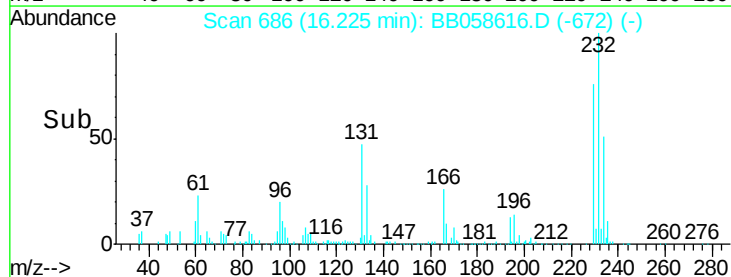
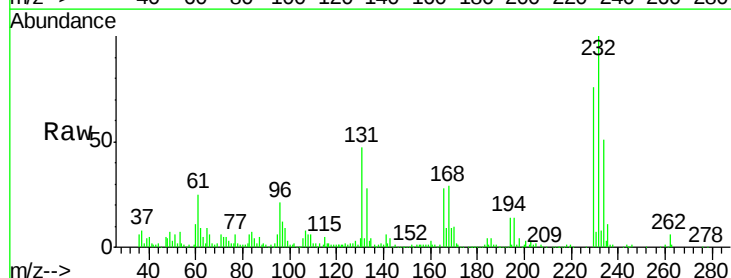
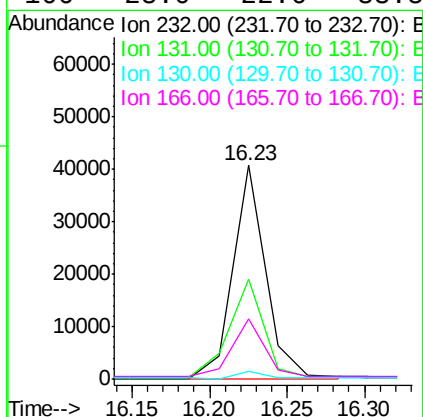
RT: 16.23 min Scan# 686

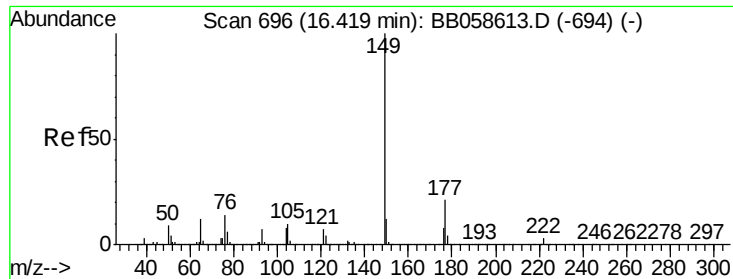
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion:	232	Resp:	60526
Ion Ratio	Lower	Upper	
232	100		
131	46.8	31.4	47.0
130	3.6	1.6	2.4#
166	28.0	22.6	33.8





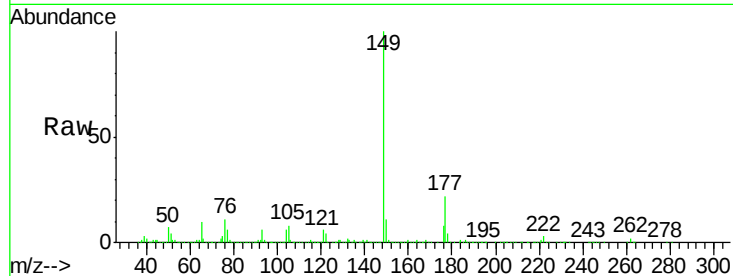
#56
Diethylphthalate
Concen: 3.36 ng/ul
RT: 16.42 min Scan# 696
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

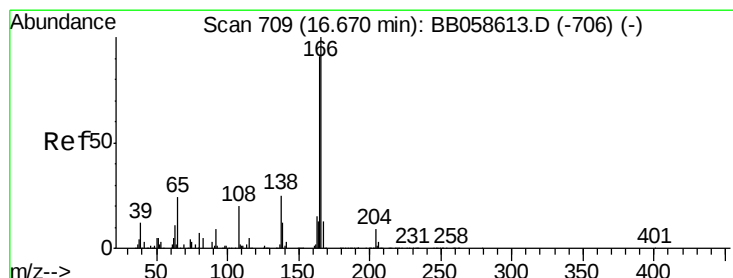
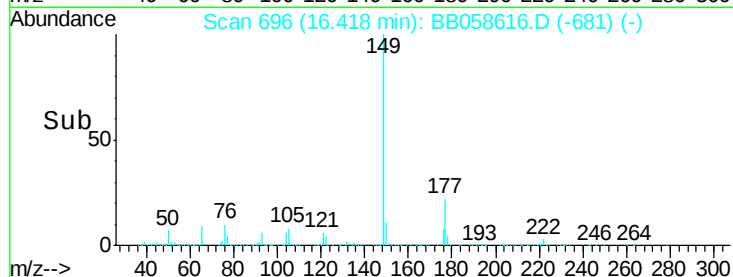
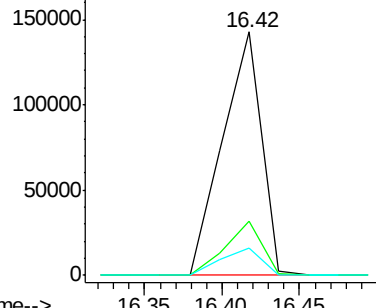
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	22.3	18.6	28.0
150	11.2	10.0	15.0

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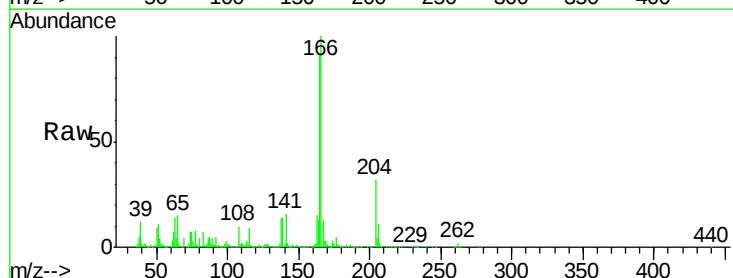


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

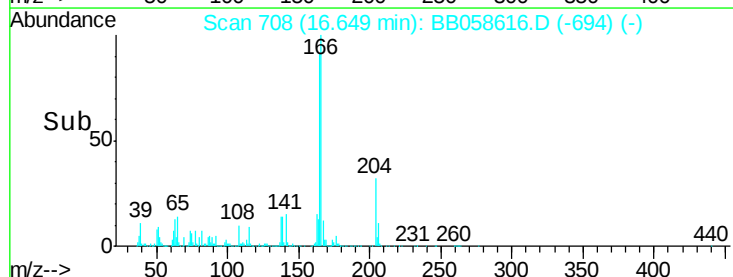
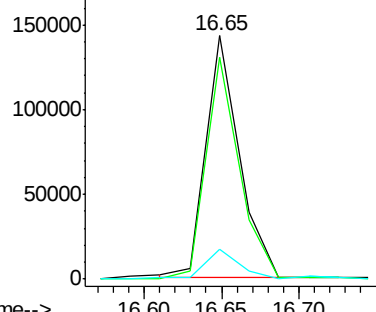


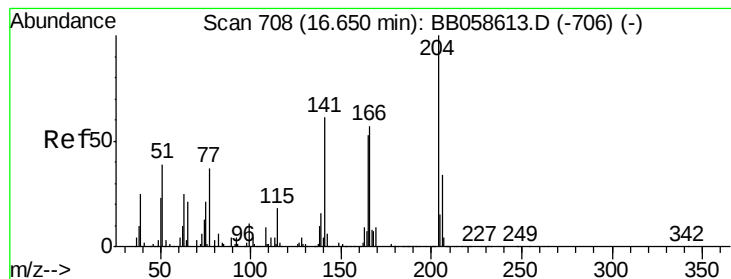
#58
Fluorene
Concen: 3.28 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	91.3	79.9	119.9
167	12.5	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: 3.11 ng/ul

RT: 16.63 min Scan# 707

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

ClientSampleId :

MDL-02-W

Tgt Ion: 204 Resp: 110022

Ion Ratio Lower Upper

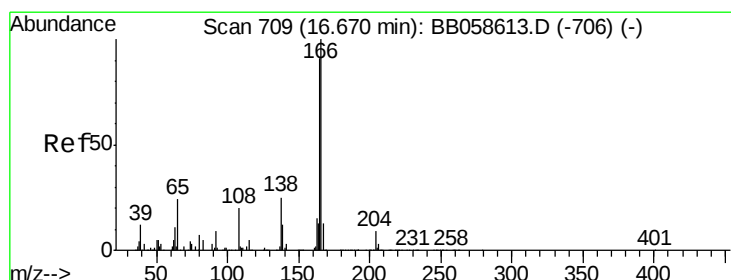
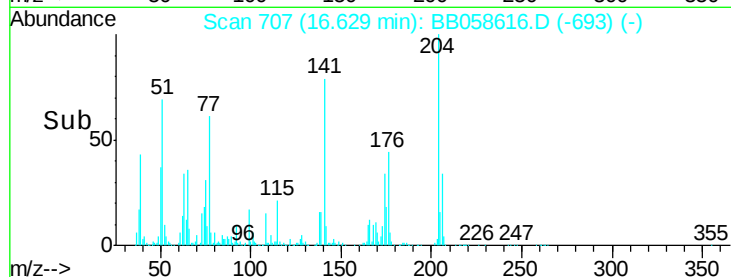
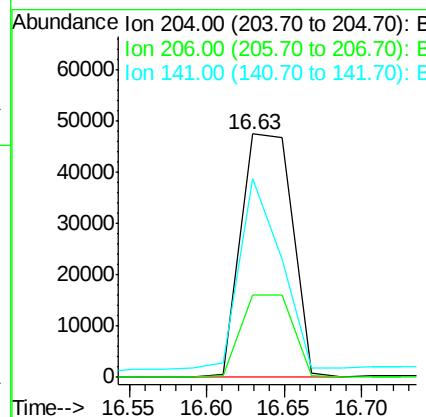
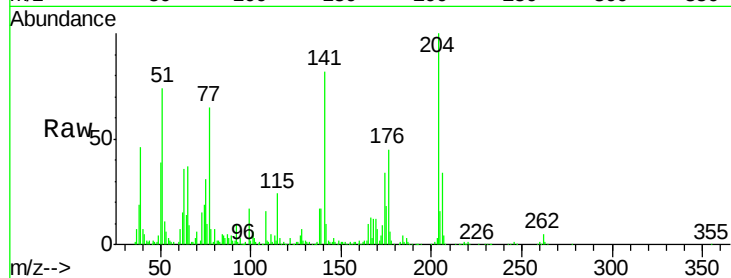
204 100

206 33.9 25.9 38.9

141 81.6 46.1 69.1#

Manual Integrations
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#60

4-Nitroaniline

Concen: 1.98 ng/ul

RT: 16.65 min Scan# 708

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

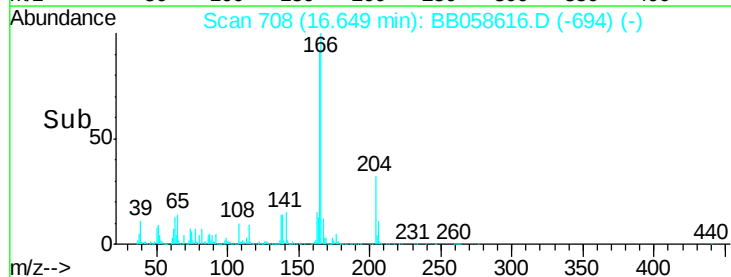
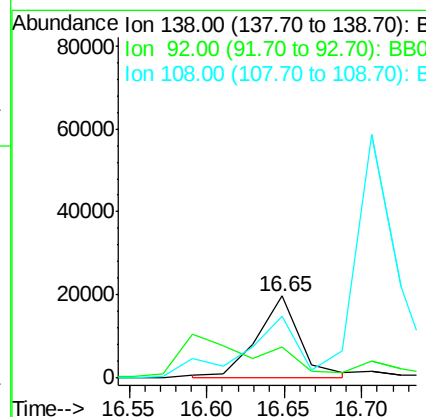
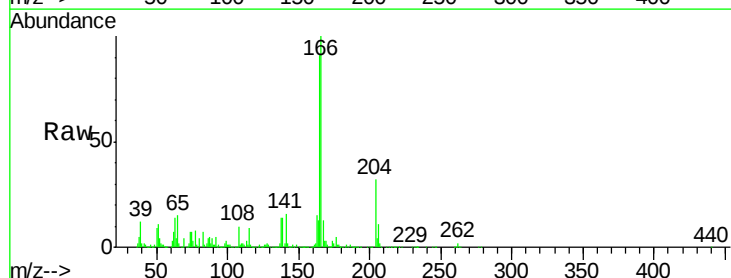
Tgt Ion: 138 Resp: 37390

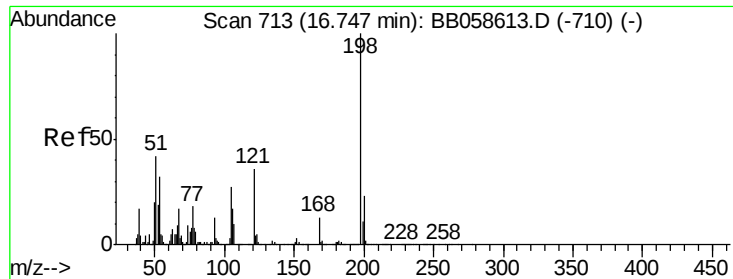
Ion Ratio Lower Upper

138 100

92 38.9 43.5 65.3#

108 76.1 80.3 120.5#





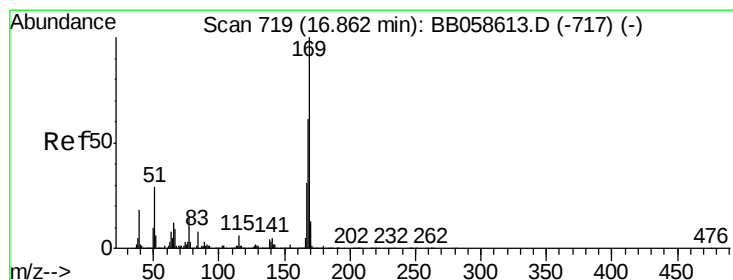
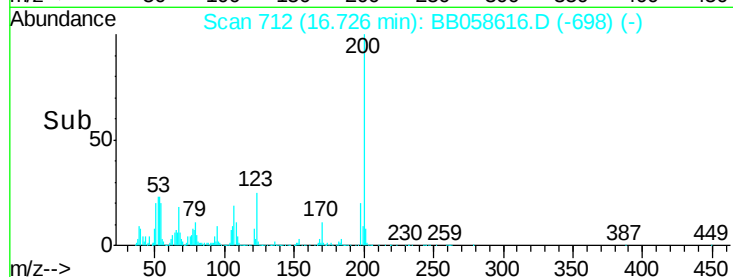
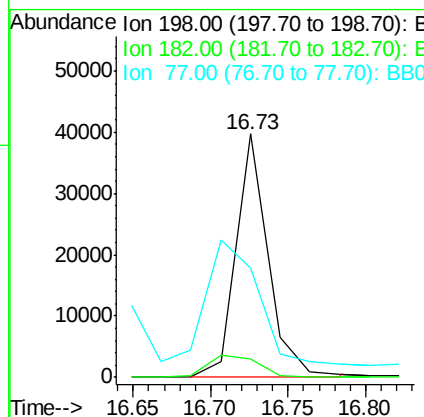
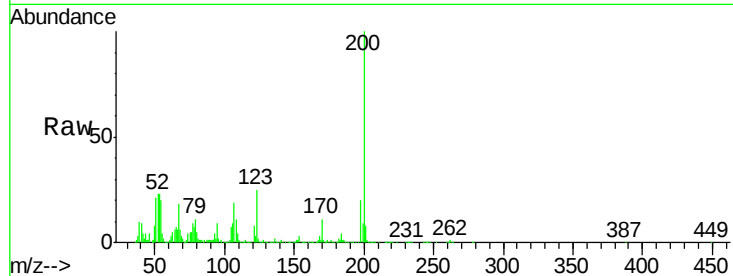
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.99 ng/ul
 RT: 16.73 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	57136		
182	7.8	3.3	4.9#	
77	45.0	21.8	32.6#	

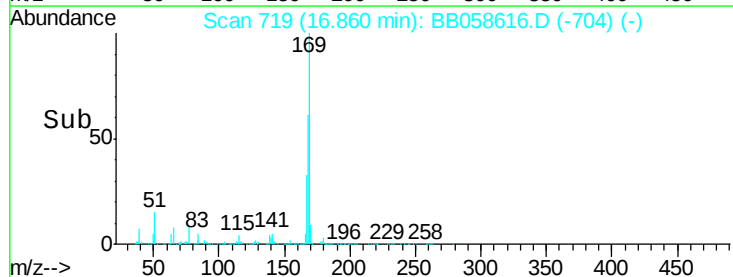
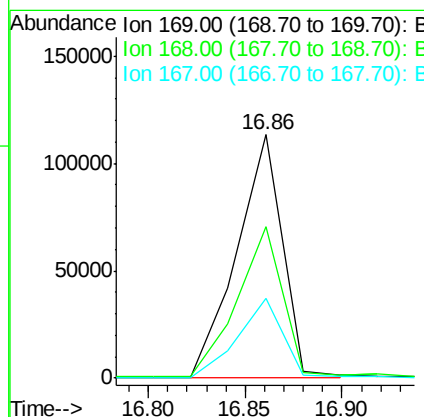
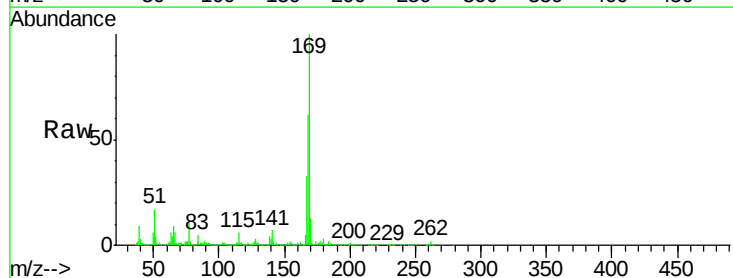
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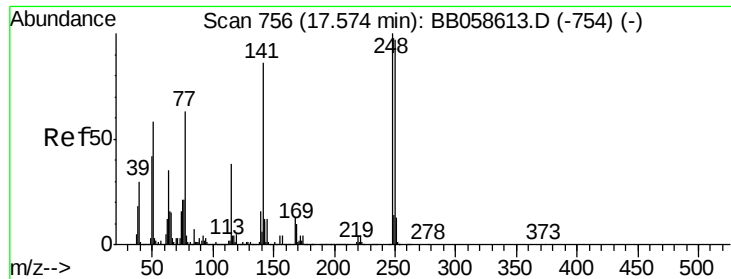
SOHIL
 10/13/2016 11:12:29 AM



#64
 N-Nitrosodiphenylamine
 Concen: 3.15 ng/ul
 RT: 16.86 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BB058616.D
 Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	182995		
168	62.1	52.6	79.0	
167	32.9	28.6	43.0	





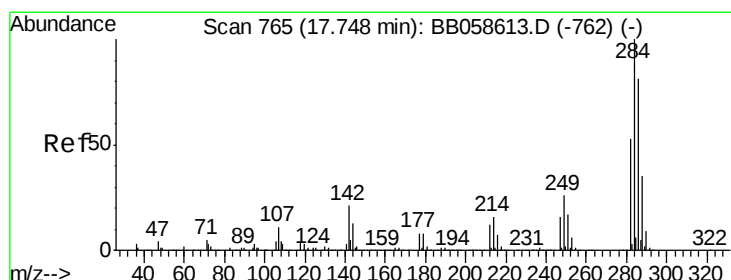
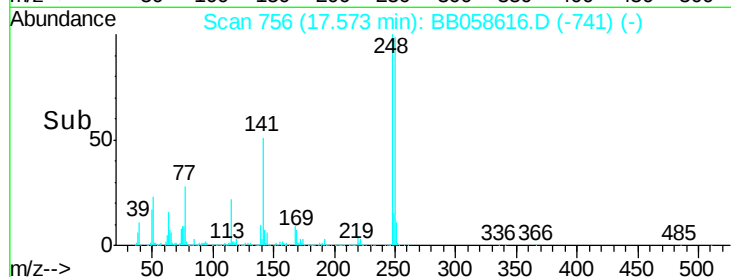
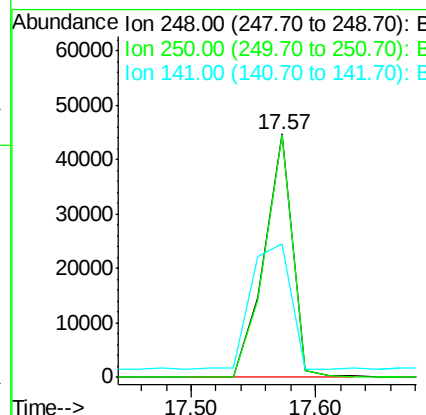
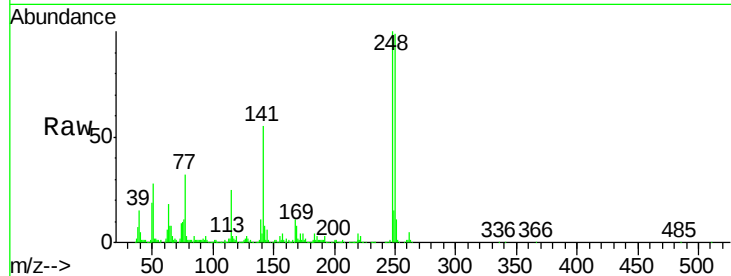
#65
4-Bromophenyl-phenylether
Concen: 3.06 ng/ul m
RT: 17.57 min Scan# 756
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.4	79.7	119.5
141	54.9	58.3	87.5#

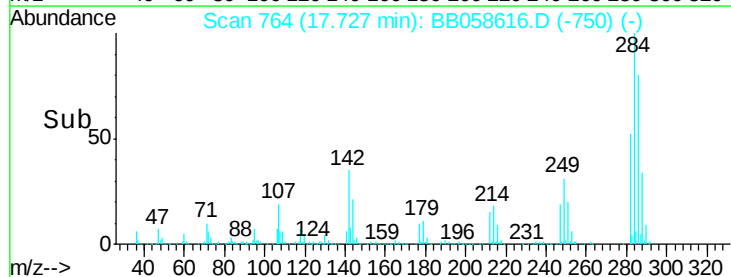
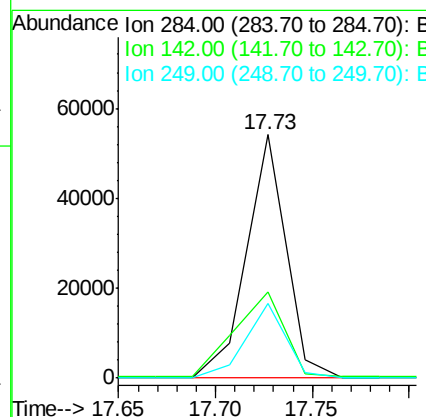
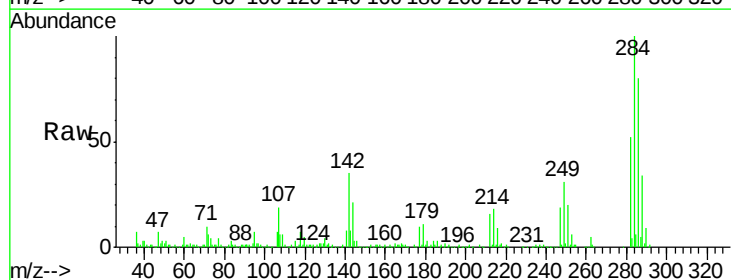
Manual Integrations
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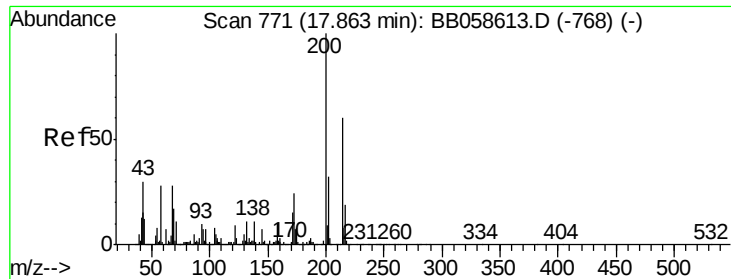
SOHIL
10/13/2016 11:12:29 AM



#66
Hexachlorobenzene
Concen: 3.31 ng/ul
RT: 17.73 min Scan# 764
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.0	24.9	37.3
249	28.8	25.5	38.3





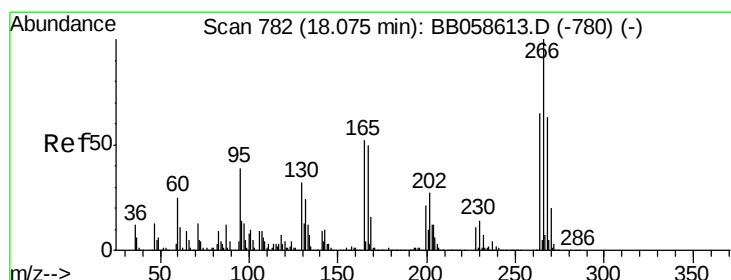
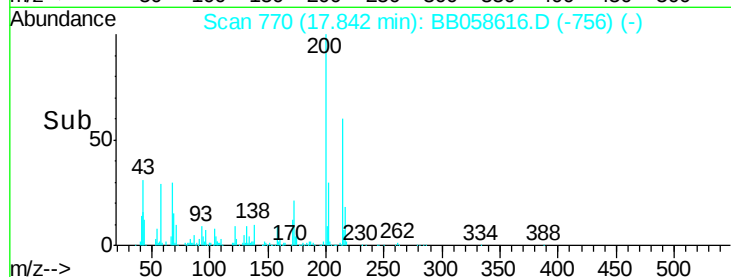
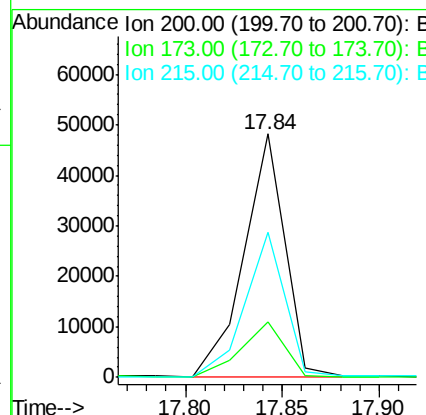
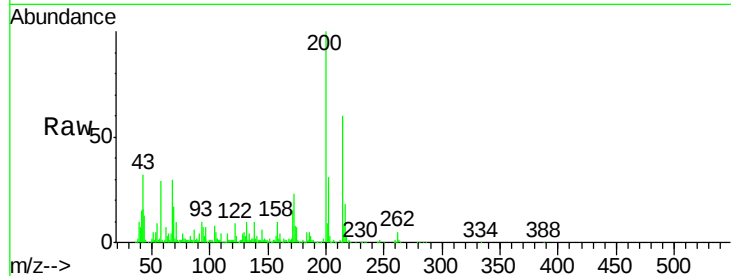
#67
Atrazine
Concen: 3.14 ng/ul
RT: 17.84 min Scan# 770
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	22.5	18.9	28.3
215	59.7	39.5	59.3

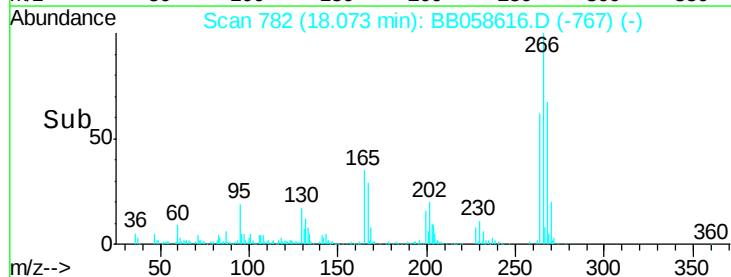
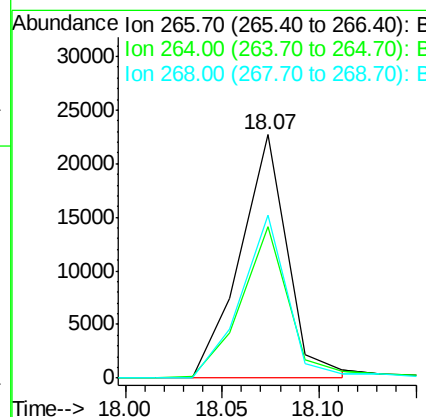
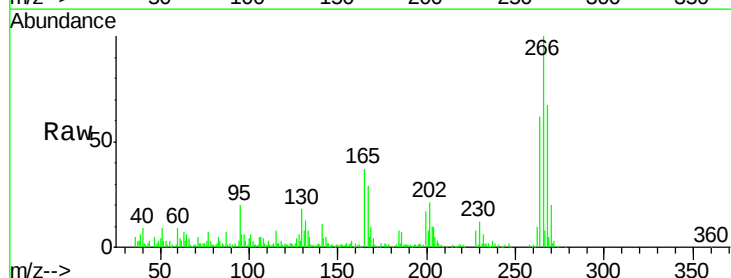
Manual Integrations
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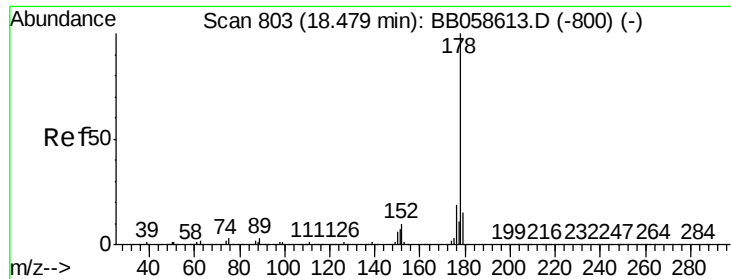
SOHIL
10/13/2016 11:12:29 AM



#68
Pentachlorophenol
Concen: 2.34 ng/ul
RT: 18.07 min Scan# 782
Delta R.T. -0.00 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	62.3	50.6	75.8
268	67.2	51.0	76.6





#69

Phenanthrene

Concen: 3.64 ng/ul m

RT: 18.46 min Scan# 802

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

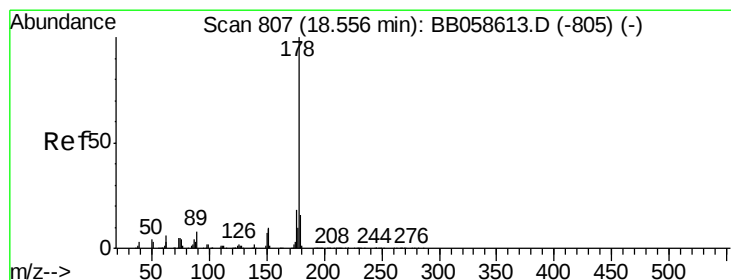
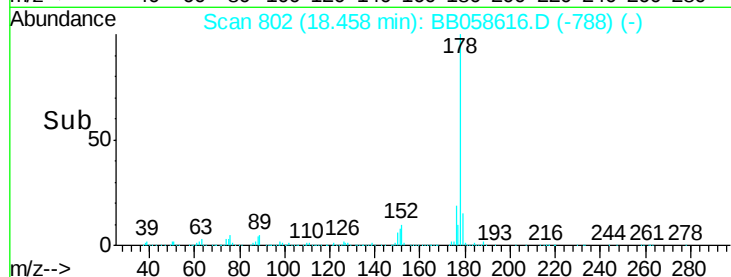
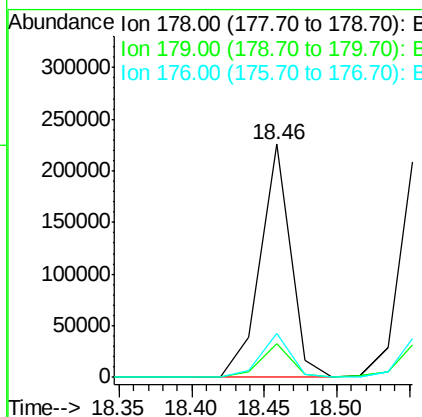
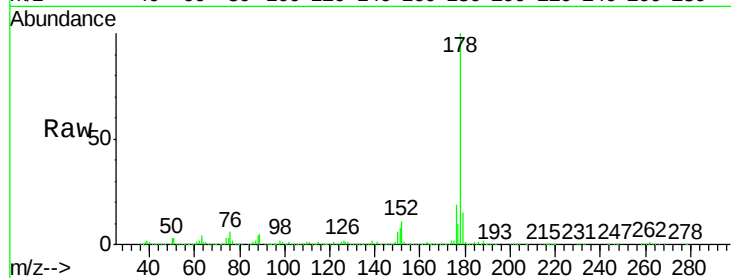
ClientSampleId :

MDL-02-W

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.2	18.2
176	19.0	15.1	22.7

Manual Integrations
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SOHIL
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#71

Anthracene

Concen: 3.53 ng/ul

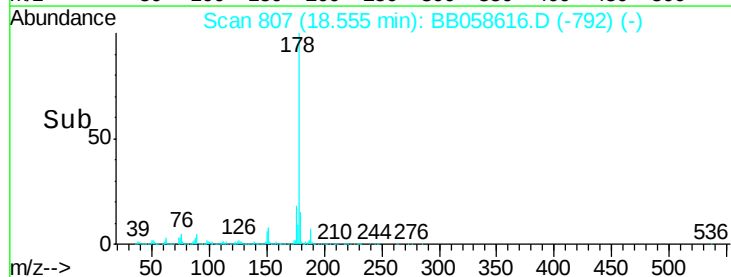
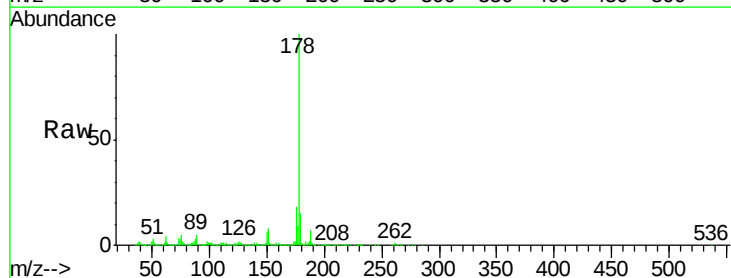
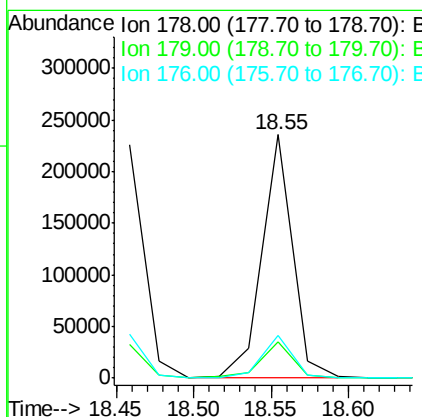
RT: 18.55 min Scan# 807

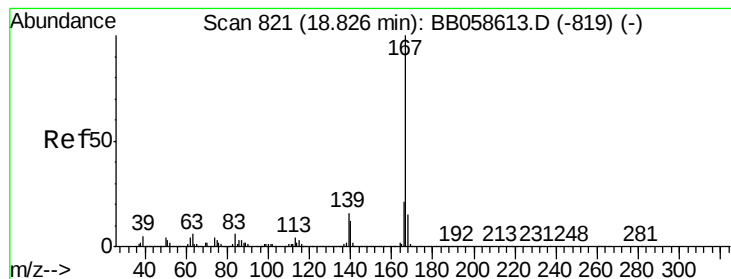
Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.1	18.1
176	17.7	14.5	21.7





#72

Carbazole

Concen: 3.44 ng/ul

RT: 18.82 min Scan# 821

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

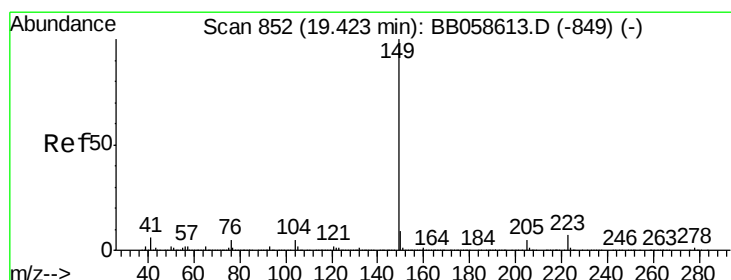
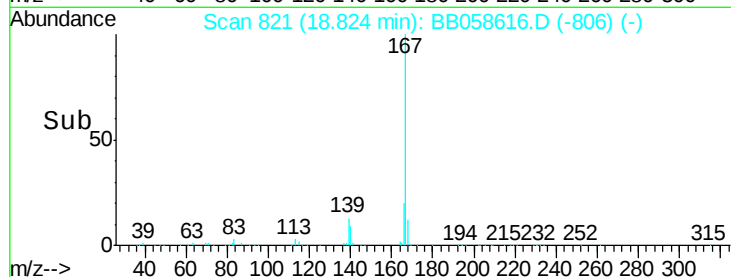
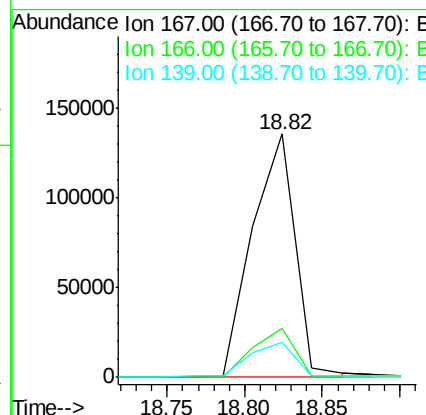
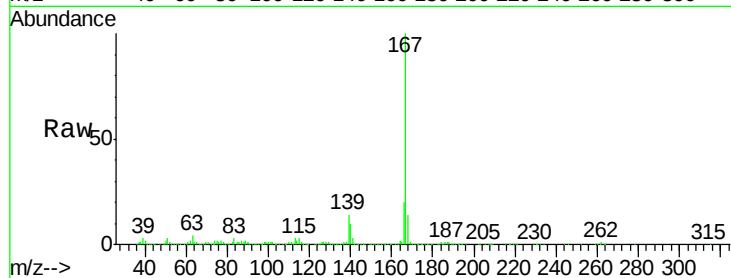
ClientSampled :

MDL-02-W

Tgt	Ion:167	Resp:	262794
Ion	Ratio	Lower	Upper
167	100		
166	20.2	16.6	25.0
139	14.2	10.2	15.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 3.85 ng/ul

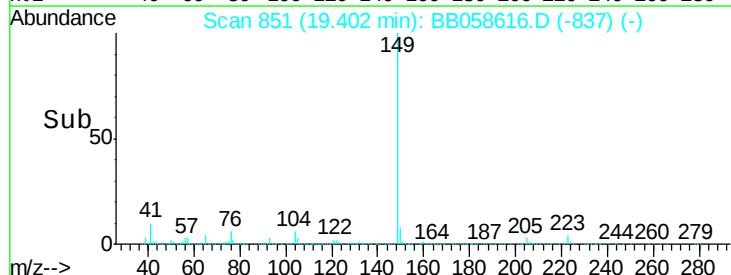
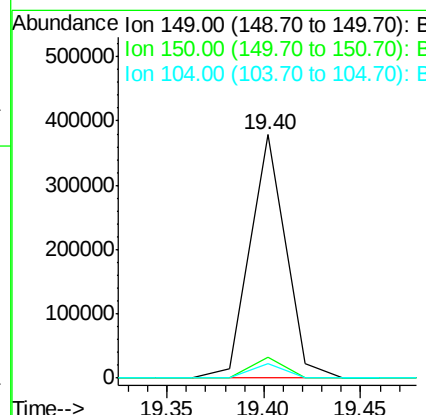
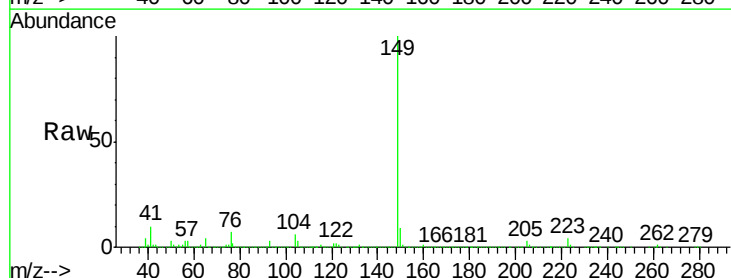
RT: 19.40 min Scan# 851

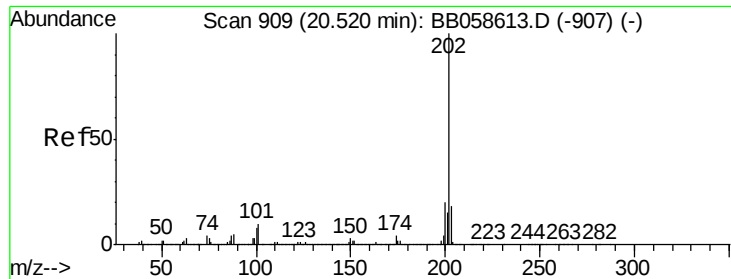
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt	Ion:149	Resp:	481472
Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.6	11.4
104	5.7	4.6	7.0





#74

Fluoranthene

Concen: 3.80 ng/ul

RT: 20.52 min Scan# 909

Delta R.T. -0.00 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

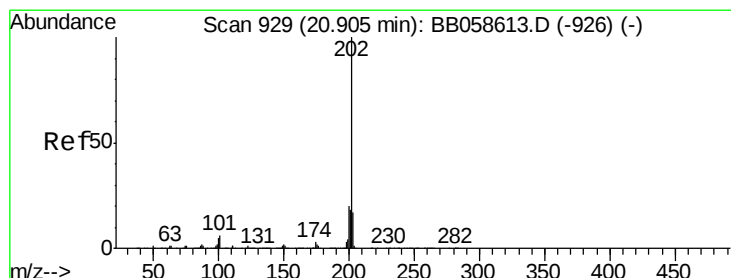
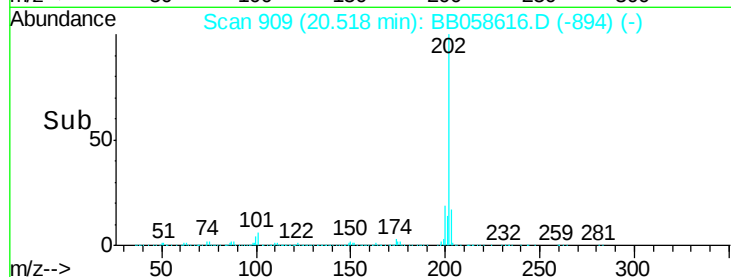
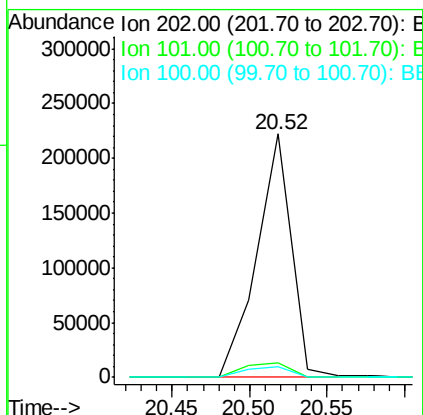
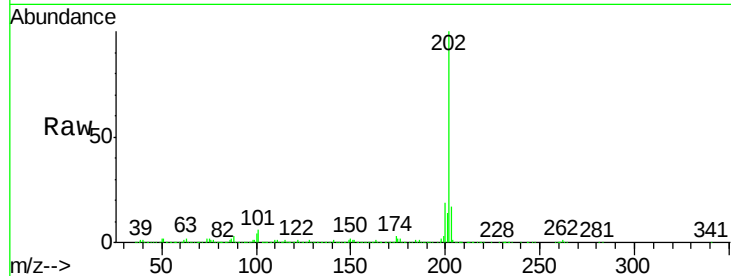
ClientSampleId :

MDL-02-W

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		346947		
101	5.7	6.9	10.3#		
100	4.2	5.4	8.0#		

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#77

Pyrene

Concen: 3.70 ng/ul

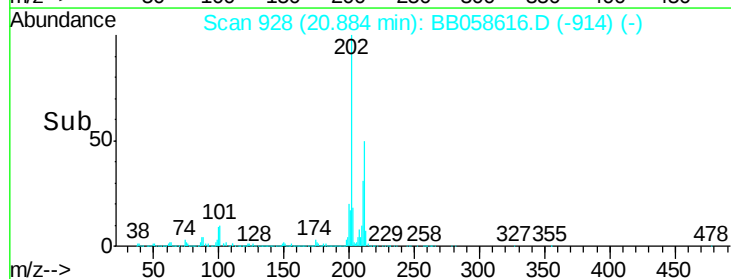
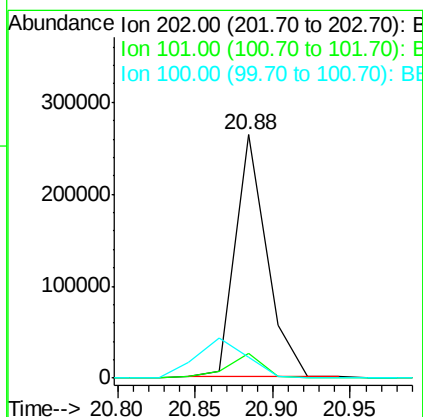
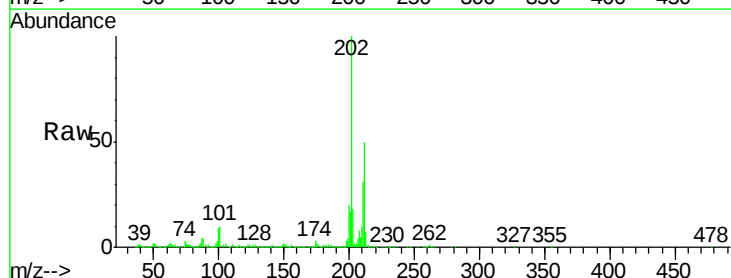
RT: 20.88 min Scan# 928

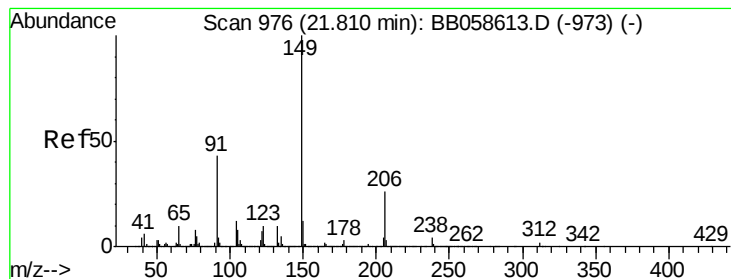
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		376904		
101	10.1	8.4	12.6		
100	8.8	6.9	10.3		





#78

Butylbenzylphthalate

Concen: 3.18 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

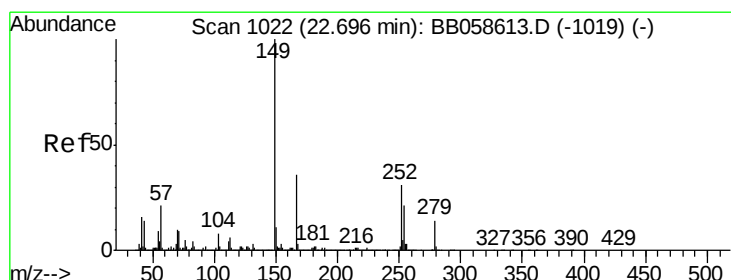
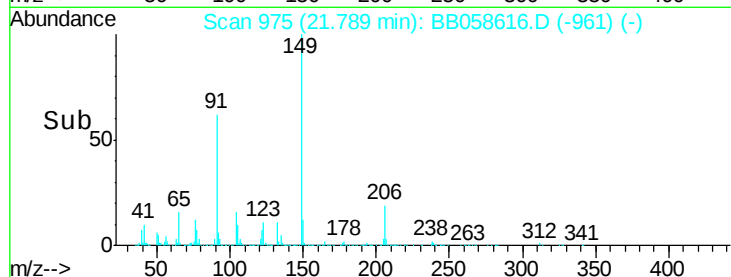
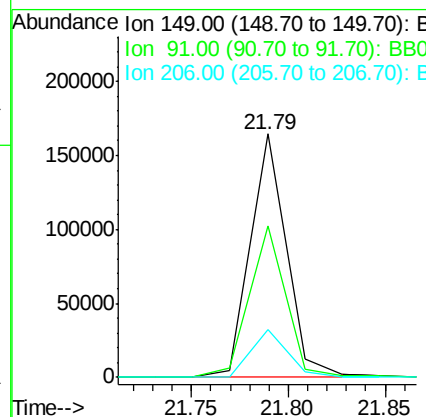
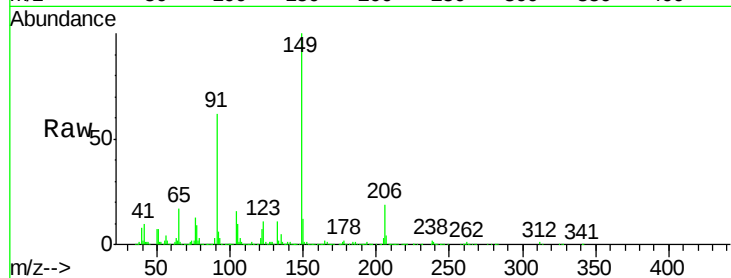
ClientSampleId :

MDL-02-W

Tgt Ion:	149	Resp:	210050
Ion Ratio		Lower	Upper
149	100		
91	62.1	57.3	85.9
206	19.4	18.6	27.8

Manual Integrations
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#79

3,3'-Dichlorobenzidine

Concen: 2.02 ng/ul

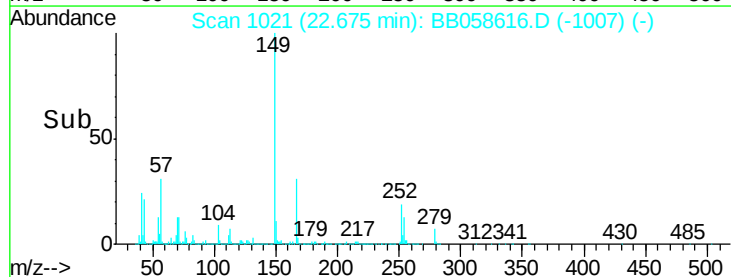
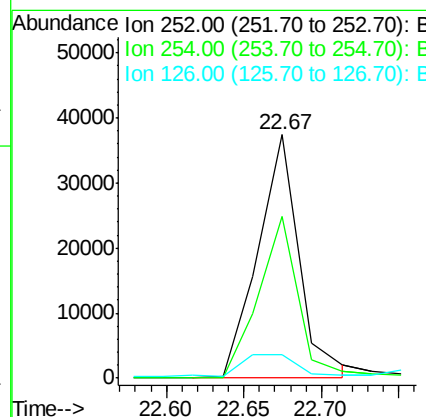
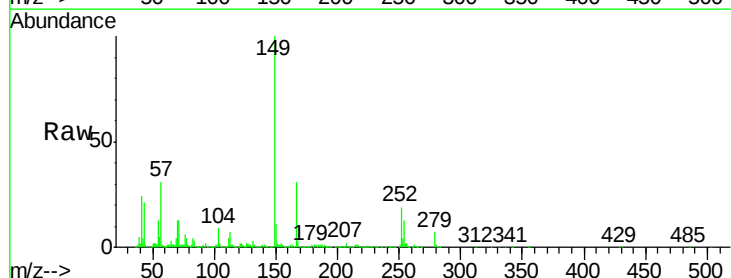
RT: 22.67 min Scan# 1021

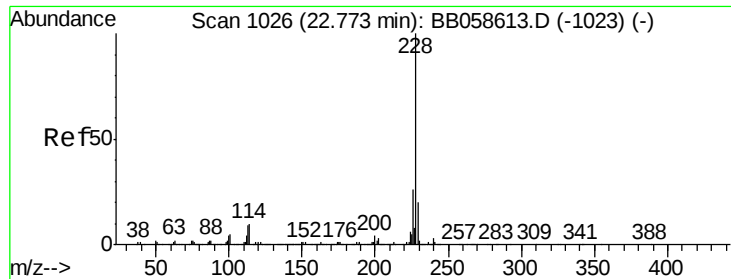
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt Ion:	252	Resp:	69708
Ion Ratio		Lower	Upper
252	100		
254	66.2	51.0	76.4
126	9.6	7.1	10.7





#80

Benzo(a)anthracene

Concen: 3.40 ng/ul

RT: 22.75 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Instrument :

BNA_B

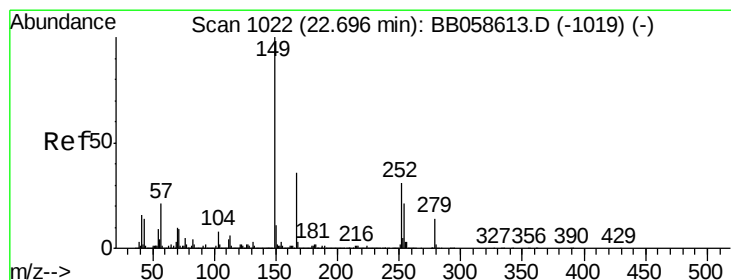
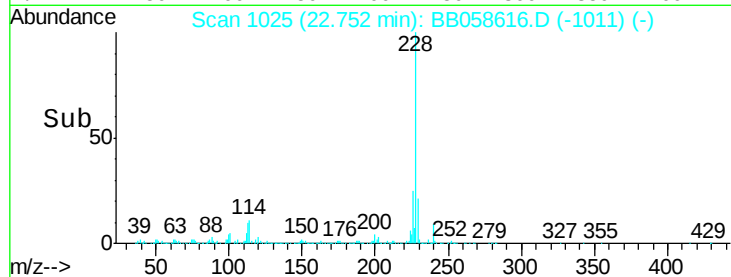
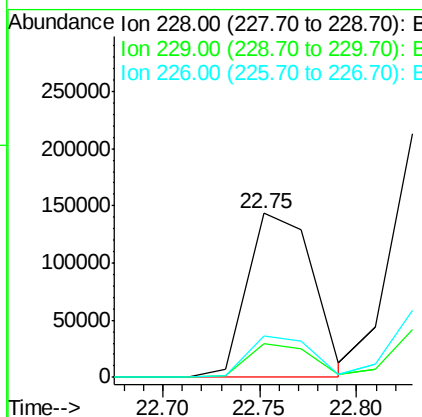
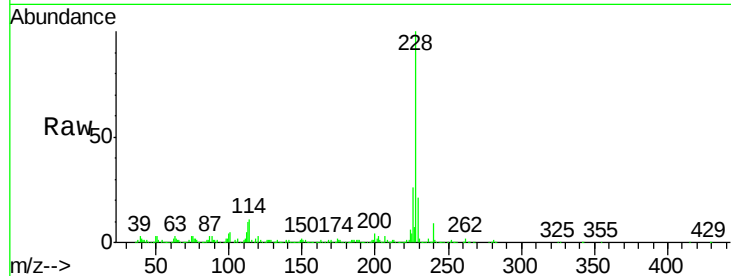
ClientSampleId :

MDL-02-W

Tgt	Ion	228	Resp:	337467
	Ratio	100	Lower	Upper
	228	100		
	229	20.5	15.6	23.4
	226	25.5	21.8	32.8

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10/13/2016 11:12:29 AM



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.24 ng/ul

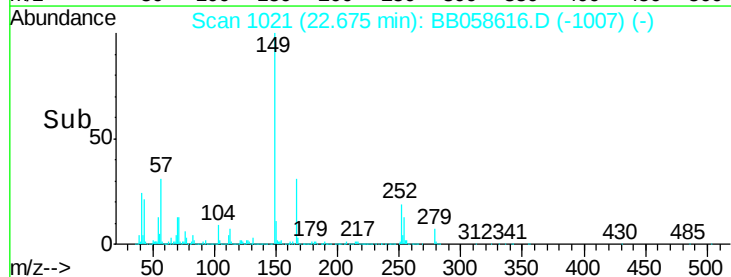
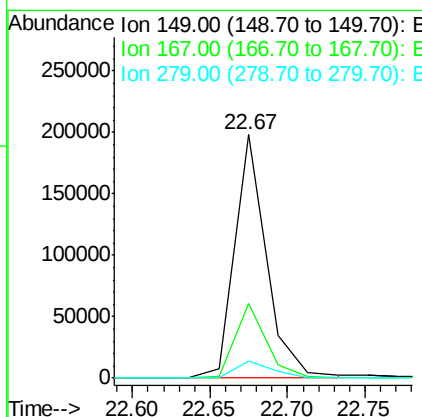
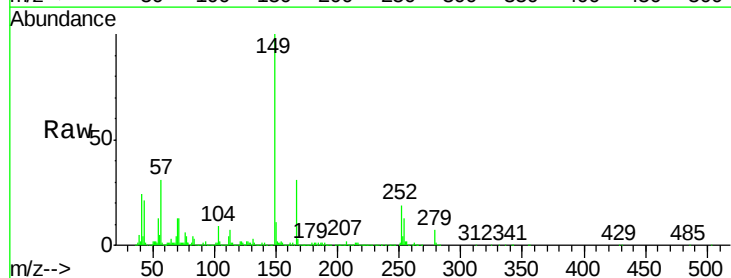
RT: 22.67 min Scan# 1021

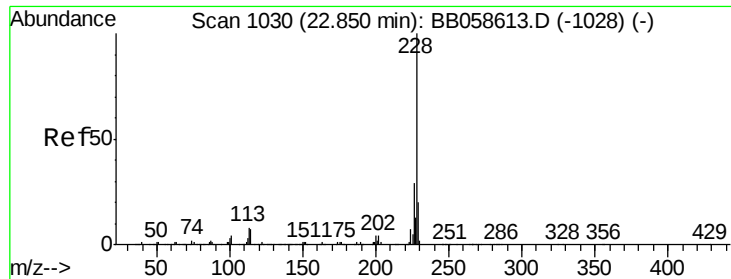
Delta R.T. -0.02 min

Lab File: BB058616.D

Acq: 12 Oct 2016 12:11

Tgt	Ion	149	Resp:	284410
	Ratio	100	Lower	Upper
	149	100		
	167	30.6	23.2	34.8
	279	7.1	4.1	6.1#





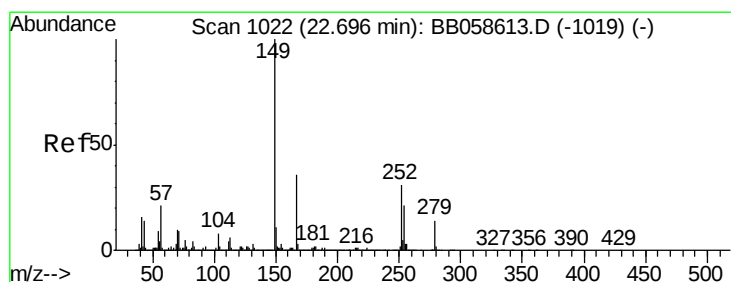
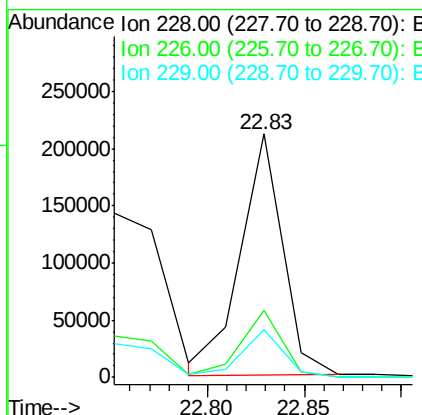
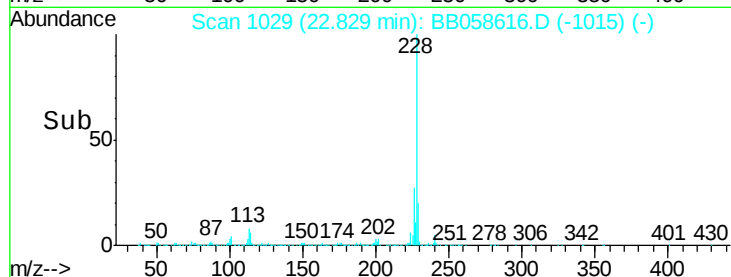
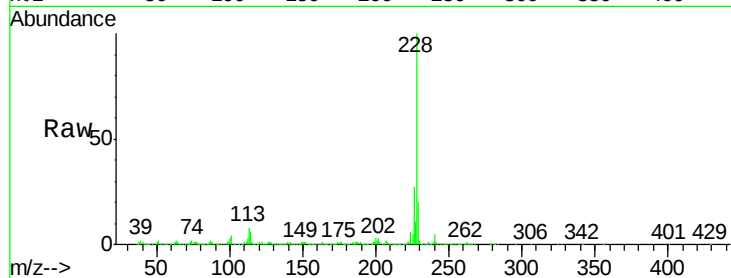
#82
Chrysene
Concen: 3.38 ng/ul
RT: 22.83 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	314815		
226	27.4		23.4	35.2
229	19.6		15.5	23.3

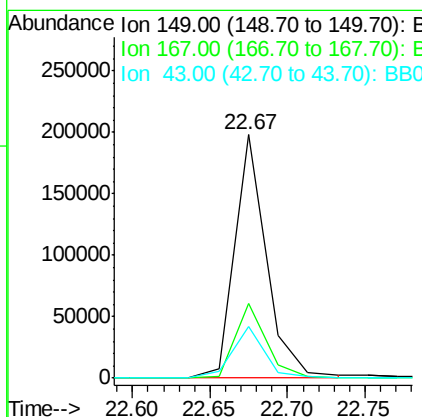
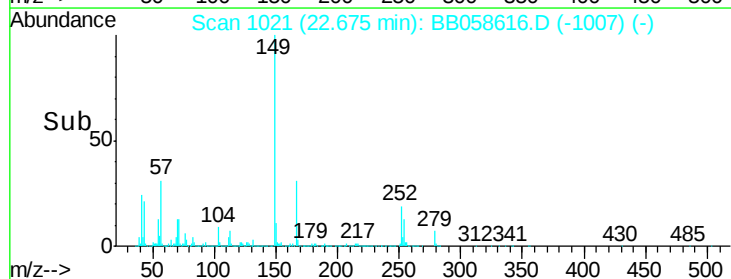
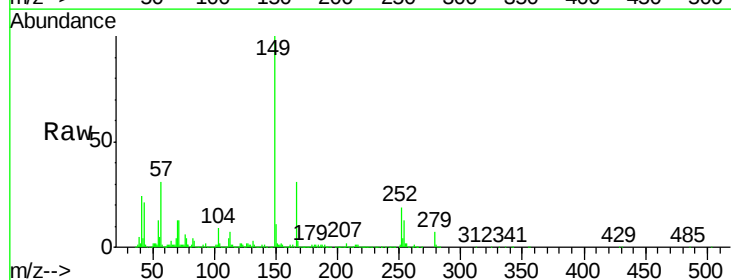
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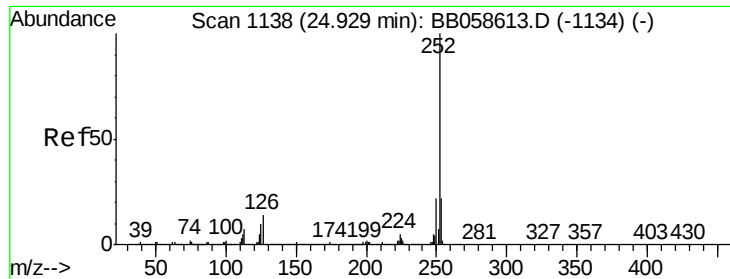
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#84
Di-n-octyl phthalate
Concen: 3.51 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	284410		
167	30.6		1.3	1.9#
43	21.1		6.6	10.0#





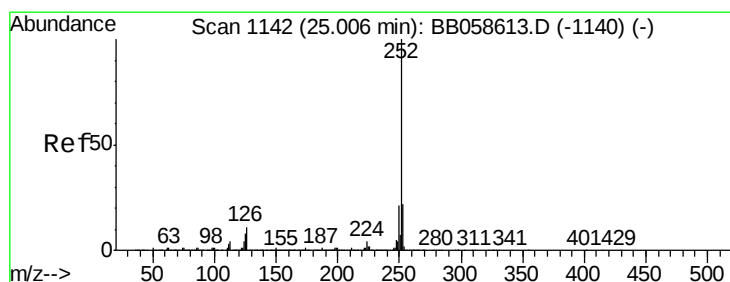
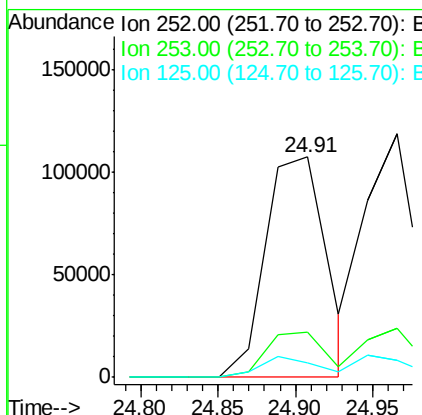
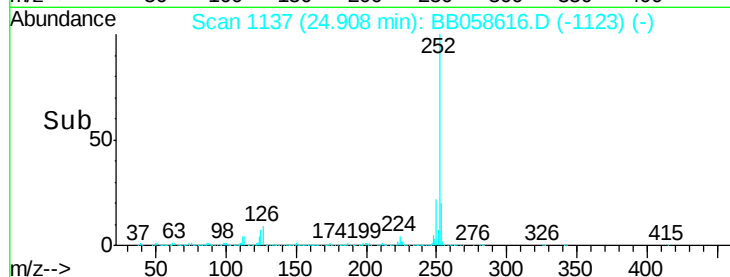
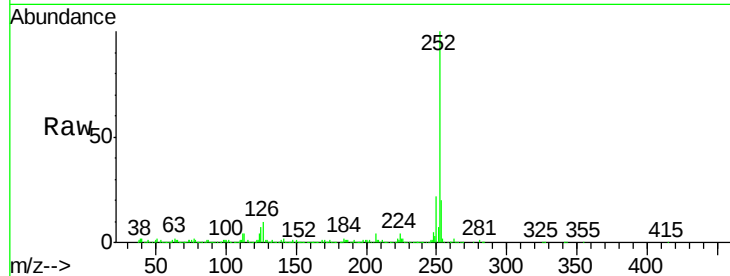
#85
Benzo(b)fluoranthene
Concen: 2.86 ng/ul
RT: 24.91 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	293598		
253	20.3	17.1	25.7	
125	6.9	5.8	8.8	

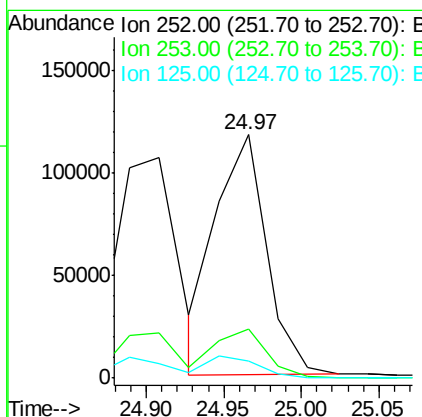
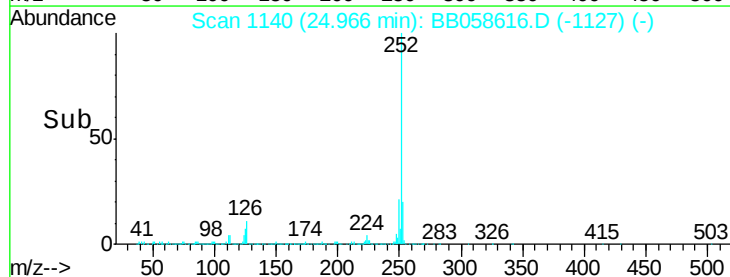
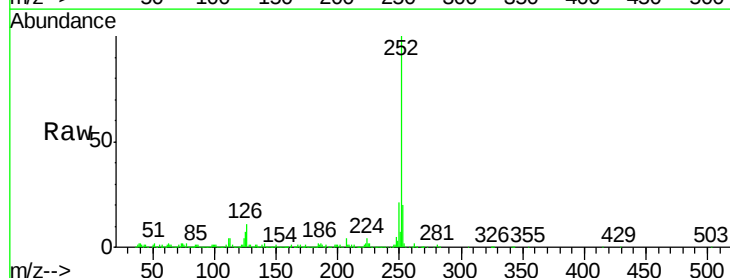
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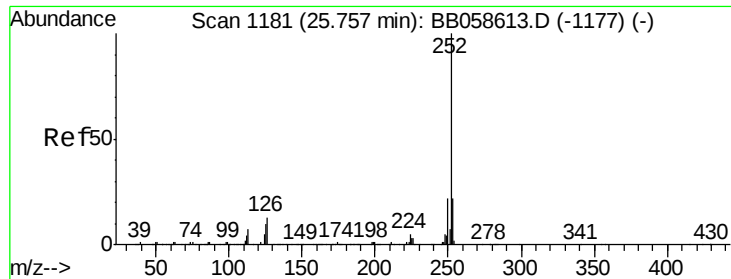
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10/13/2016 11:12:29 AM



#86
Benzo(k)fluoranthene
Concen: 3.37 ng/ul
RT: 24.97 min Scan# 1140
Delta R.T. -0.04 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	268525		
253	20.2	17.6	26.4	
125	6.9	5.7	8.5	





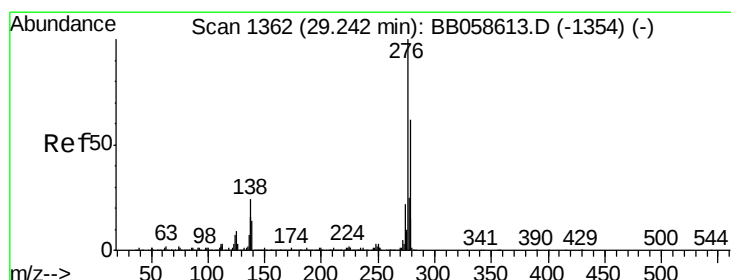
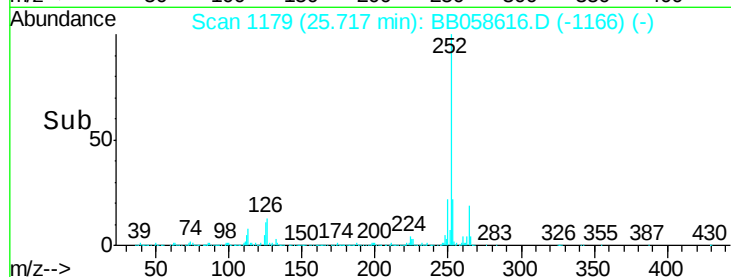
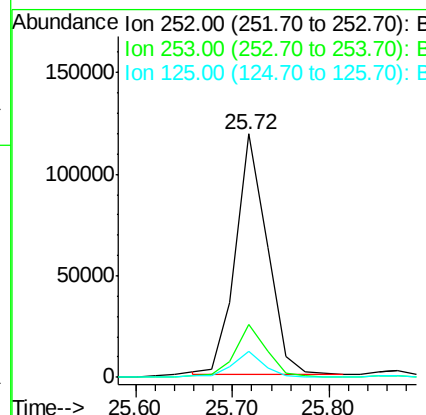
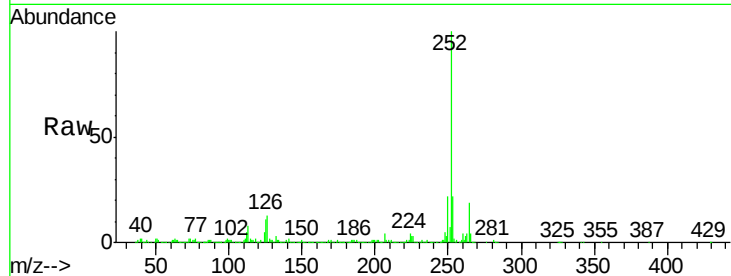
#88
Benzo(a)pyrene
Concen: 3.06 ng/ul
RT: 25.72 min Scan# 1179
Delta R.T. -0.04 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	6.6	9.8

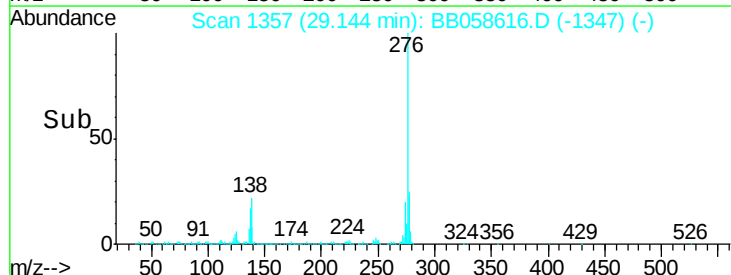
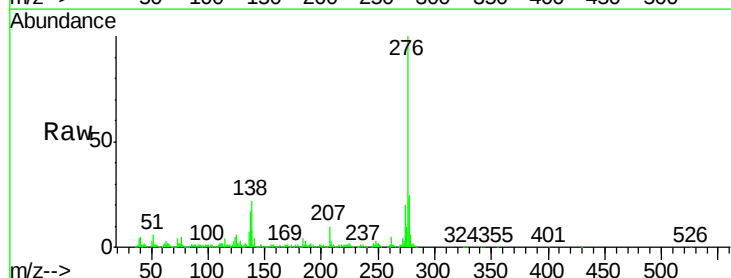
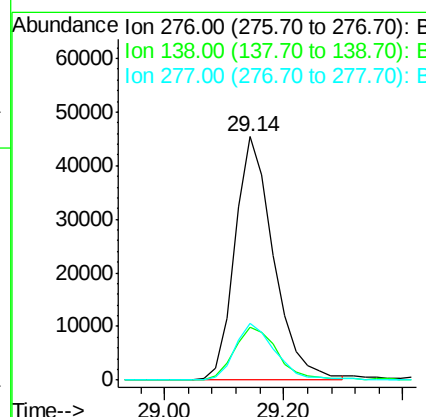
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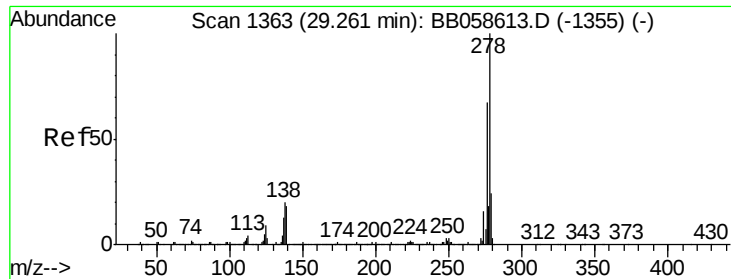
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10/13/2016 11:12:29 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.69 ng/ul
RT: 29.14 min Scan# 1357
Delta R.T. -0.10 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	13.9	20.9
277	23.4	20.1	30.1





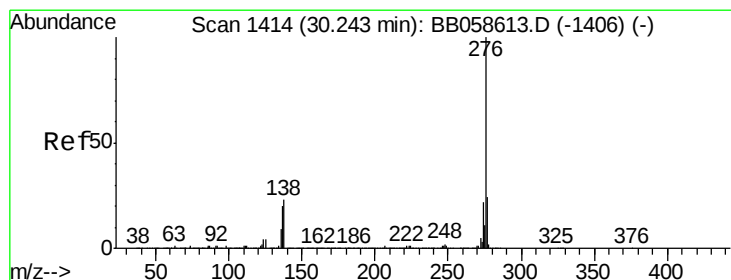
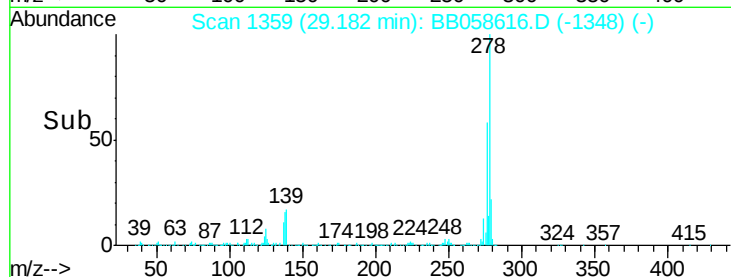
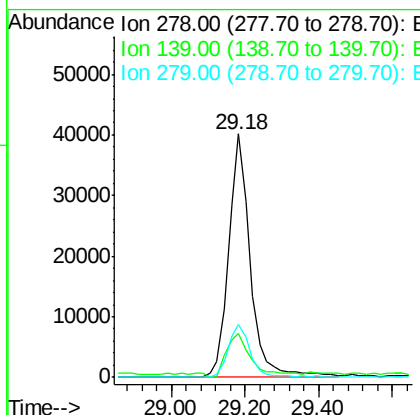
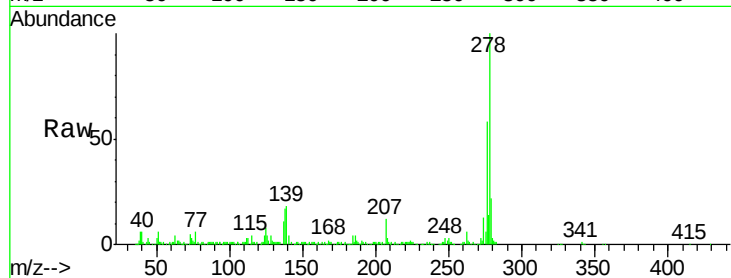
#90
Dibenzo(a,h)anthracene
Concen: 2.61 ng/ul
RT: 29.18 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Instrument :
BNA_B
ClientSampled :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	9.5	14.3#
279	21.5	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.76 ng/ul
RT: 30.14 min Scan# 1409
Delta R.T. -0.10 min
Lab File: BB058616.D
Acq: 12 Oct 2016 12:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	13.5	20.3
277	23.0	19.3	28.9

