

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101216\
 Data File : BB058618.D
 Acq On : 12 Oct 2016 13:32
 Operator : UM/SJ
 Sample : MDL-04-W
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleID :
 MDL-04-W

Manual Integrations
 APPROVED

SOHIL
 10/13/2016 11:12:34 AM

Quant Time: Oct 12 14:19:12 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	494157	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1805057	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1093381	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1833500m	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1903934	20.00	ng/ul	-0.02
83) Perylene-d12	25.87	264	1490969	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	72257	6.62	ng/uL	0.02
5) Phenol-d5	7.79	99	1031547	28.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	715003	29.73	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1181870	31.74	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	874717	29.43	ng/ul	-0.02
19) Nitrobenzene-d5	9.87	128	591584	31.70	ng/ul	0.00
22) 2-Nitrophenol-d4	10.64	143	688252	34.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.22	165	905208	31.80	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1196445	34.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.95	166	2553900	35.13	ng/ul	0.00
46) Acenaphthylene-d8	15.24	160	2841301	33.14	ng/ul	-0.02
51) 4-Nitrophenol-d4	15.76	143	455046	27.25	ng/ul	-0.02
57) Fluorene-d10	16.61	176	1991693	33.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.71	200	489126	25.13	ng/ul	-0.02
70) Anthracene-d10	18.52	188	2601156	31.72	ng/ul	-0.02
76) Pyrene-d10	20.86	212	2994764	35.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.66	264	2236455	32.85	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.69	88	9927	0.92	ng/uL#	73
4) Benzaldehyde	7.73	77	55975	2.42	ng/ul	97
6) Phenol	7.83	94	97111	2.73	ng/ul#	69
8) Bis(2-Chloroethyl)ether	8.04	93	85210	2.90	ng/ul	88
10) 2-Chlorophenol	8.22	128	103559	2.92	ng/ul	98
11) 2-Methylphenol	9.14	108	74833	2.62	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	9.24	45	138857	2.69	ng/ul#	89
14) Acetophenone	9.52	105	119710	2.75	ng/ul#	81
15) N-Nitroso-di-n-propylamine	9.52	70	67799	2.64	ng/ul#	52
16) 4-Methylphenol	9.49	108	81021	2.62	ng/ul	94
17) Hexachloroethane	9.83	117	48030	2.80	ng/ul	85
20) Nitrobenzene	9.91	77	98668	2.82	ng/ul#	96
21) Isophorone	10.49	82	195156	2.89	ng/ul#	92
23) 2-Nitrophenol	10.68	139	65604	3.13	ng/ul	90
24) 2,4-Dimethylphenol	10.76	107	100006	2.91	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.99	93	91835	2.82	ng/ul#	86
27) 2,4-Dichlorophenol	11.26	162	88230	3.10	ng/ul#	92
28) Naphthalene	11.66	128	275022	3.20	ng/ul	99
30) 4-Chloroaniline	11.76	127	105104	3.23	ng/ul	93
31) Hexachlorobutadiene	12.01	225	60746	3.12	ng/ul	98
32) Caprolactam	12.59	113	24688	2.38	ng/ul	92
33) 4-Chloro-3-methylphenol	12.93	107	82851	2.92	ng/ul	92
34) 2-Methylnaphthalene	13.32	142	188381	3.18	ng/ul	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	104806	3.12	ng/ul#	94
37) Hexachlorocyclopentadiene	13.72	237	40241	1.90	ng/ul	96
38) 2,4,6-Trichlorophenol	13.95	196	62024	3.04	ng/ul	96
39) 2,4,5-Trichlorophenol	14.03	196	62149	2.87	ng/ul	93
40) 1,1'-Biphenyl	14.36	154	230075	3.14	ng/ul#	96
41) 2-Chloronaphthalene	14.40	162	177448	3.04	ng/ul	95
42) 2-Nitroaniline	14.59	65	59621	2.66	ng/ul#	88
44) Dimethylphthalate	14.99	163	239026	3.29	ng/ul#	96
45) 2,6-Dinitrotoluene	15.11	165	52456	2.86	ng/ul#	87
47) Acenaphthylene	15.28	152	269517	3.24	ng/ul	98
48) 3-Nitroaniline	14.59	138	65848	2.74	ng/ul#	40
49) Acenaphthene	15.63	153	170816	2.99	ng/ul	93
50) 2,4-Dinitrophenol	15.65	184	21033	1.61	ng/ul#	1
52) 4-Nitrophenol	15.78	109	36089	2.66	ng/ul#	87
53) Dibenzofuran	15.97	168	252264	3.10	ng/ul	95
54) 2,4-Dinitrotoluene	15.92	165	74996	2.93	ng/ul#	80
55) 2,3,4,6-Tetrachlorophenol	16.22	232	54647	2.89	ng/ul#	92
56) Diethylphthalate	16.42	149	236121	3.13	ng/ul	99
58) Fluorene	16.65	166	199355	3.01	ng/ul	92
59) 4-Chlorophenyl-phenylether	16.65	204	104252	2.93	ng/ul	93
60) 4-Nitroaniline	16.65	138	30591	1.61	ng/ul#	73
63) 4,6-Dinitro-2-methylphenol	16.73	198	52815m	2.72	ng/ul	
64) N-Nitrosodiphenylamine	16.86	169	173379	2.93	ng/ul	93
65) 4-Bromophenyl-phenylether	17.57	248	64504	2.75	ng/ul	94
66) Hexachlorobenzene	17.73	284	69734	2.96	ng/ul	91
67) Atrazine	17.84	200	60949	2.71	ng/ul#	87
68) Pentachlorophenol	18.07	266	34533	2.07	ng/ul	98
69) Phenanthrene	18.46	178	291083m	3.19	ng/ul	
71) Anthracene	18.55	178	289959	3.11	ng/ul	99
72) Carbazole	18.82	167	245586	3.16	ng/ul	98
73) Di-n-butylphthalate	19.40	149	454878	3.58	ng/ul	99
74) Fluoranthene	20.52	202	306484	3.30	ng/ul#	93
77) Pyrene	20.88	202	347236	3.49	ng/ul	98
78) Butylbenzylphthalate	21.79	149	201257	3.12	ng/ul#	84
79) 3,3'-Dichlorobenzidine	22.67	252	58753	1.75	ng/ul	99
80) Benzo(a)anthracene	22.75	228	302057	3.12	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.67	149	257429	3.00	ng/ul#	95
82) Chrysene	22.83	228	280003	3.08	ng/ul	98
84) Di-n-octyl phthalate	22.67	149	257429	3.32	ng/ul#	59
85) Benzo(b)fluoranthene	24.89	252	260674m	2.65	ng/ul	
86) Benzo(k)fluoranthene	24.97	252	246548	3.23	ng/ul	98
88) Benzo(a)pyrene	25.72	252	230084	2.78	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	29.14	276	172552	2.38	ng/ul#	94
90) Dibenzo(a,h)anthracene	29.18	278	135231	2.25	ng/ul#	90
91) Benzo(g,h,i)perylene	30.14	276	136121	2.38	ng/ul#	91

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

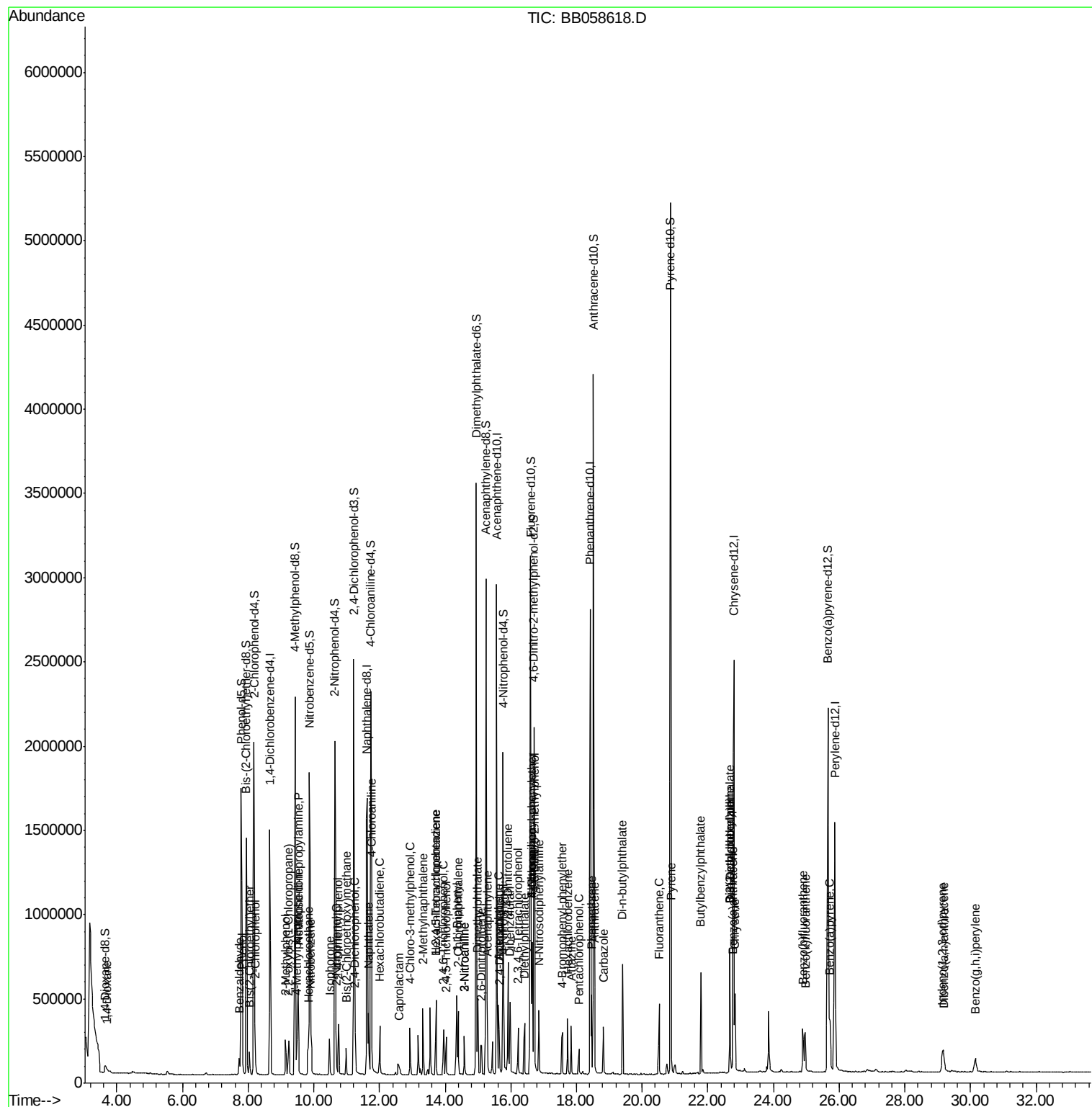
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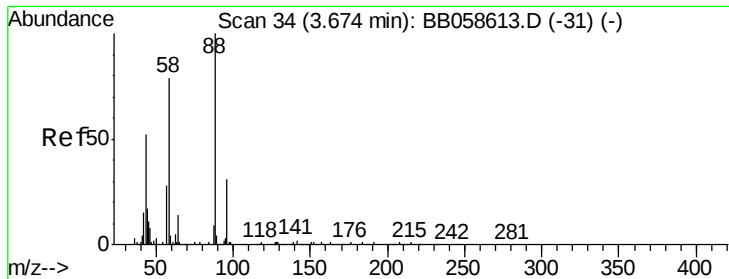
Instrument :
BNA_B
ClientSampleId :
MDL-04-W

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#2

1,4-Dioxane

Concen: 0.92 ng/uL

RT: 3.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

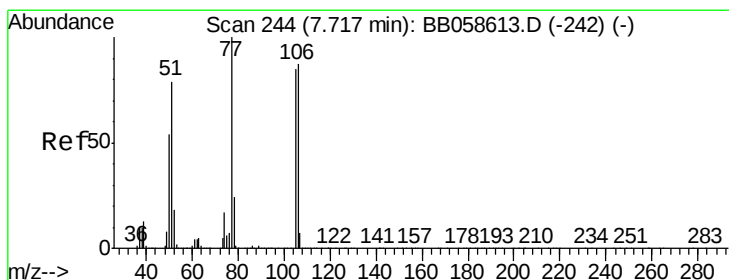
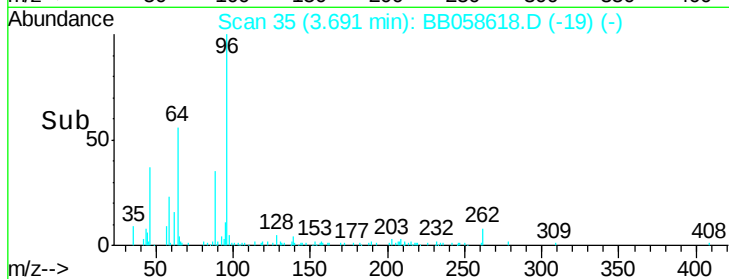
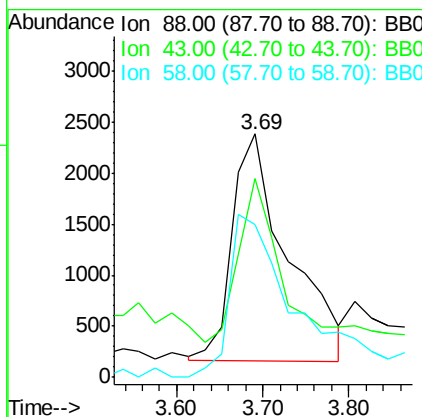
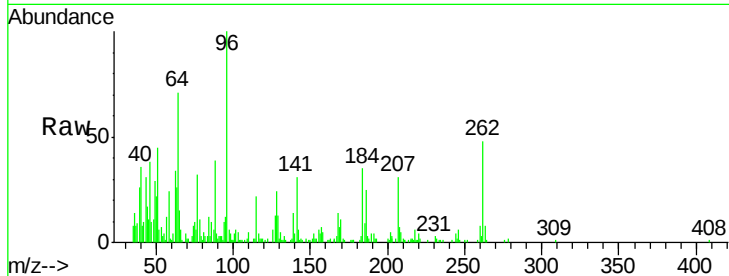
ClientSampleId :

MDL-04-W

Tgt Ion:	88	Resp:	9927
Ion Ratio	Lower	Upper	
88	100		
43	52.9	22.6	34.0#
58	87.3	57.3	85.9#

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#4

Benzaldehyde

Concen: 2.42 ng/uL

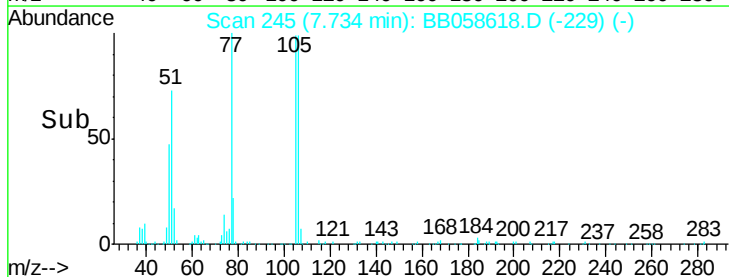
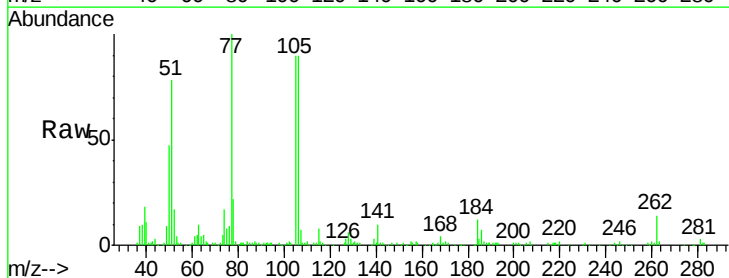
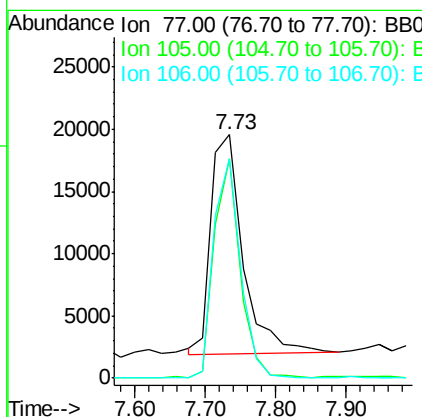
RT: 7.73 min Scan# 245

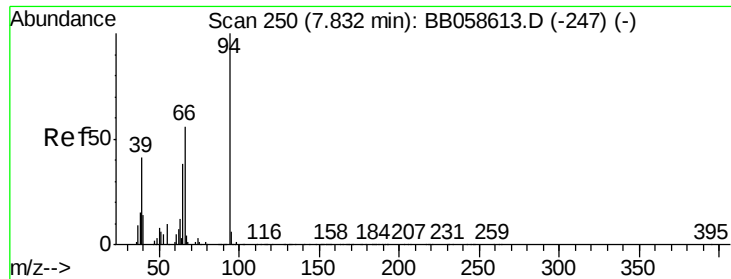
Delta R.T. 0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	77	Resp:	55975
Ion Ratio	Lower	Upper	
77	100		
105	90.0	76.9	115.3
106	89.9	71.8	107.8





#6

Phenol

Concen: 2.73 ng/ul

RT: 7.83 min Scan# 250

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

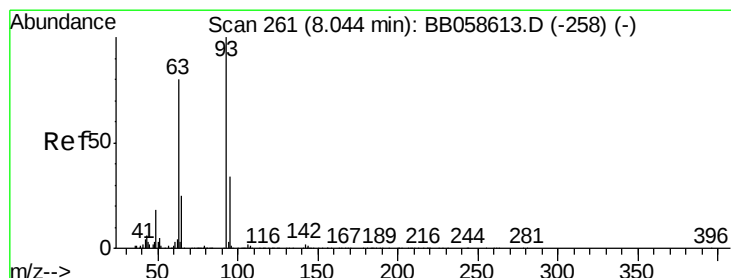
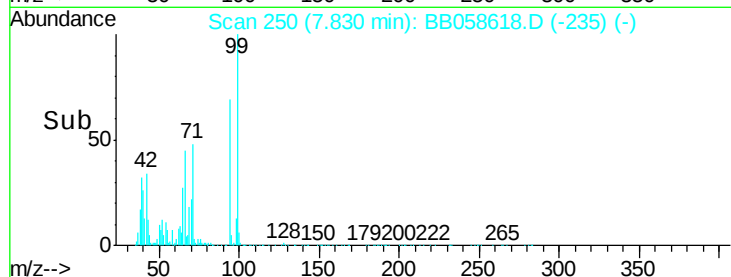
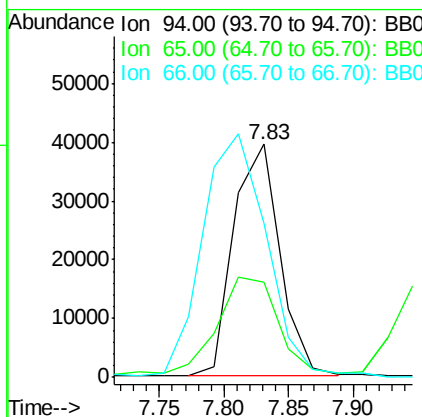
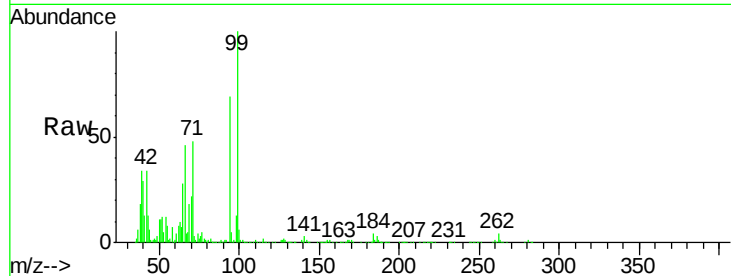
ClientSampleId :

MDL-04-W

Tgt Ion:	94	Resp:	97111
Ion Ratio	Lower	Upper	
94	100		
65	41.1	23.9	35.9#
66	66.1	33.5	50.3#

Manual Integrations
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#8

Bis(2-Chloroethyl)ether

Concen: 2.90 ng/ul

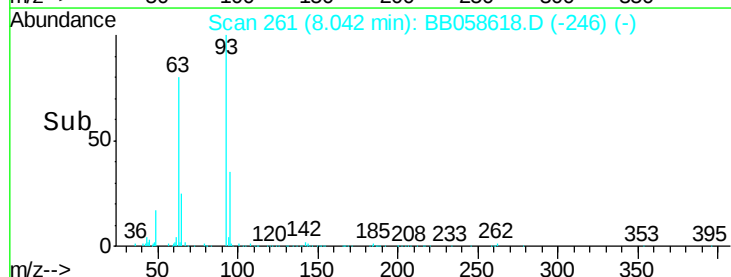
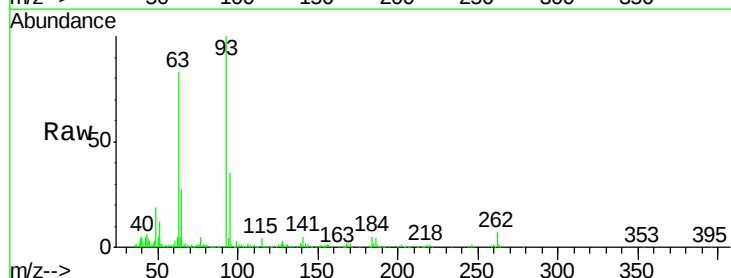
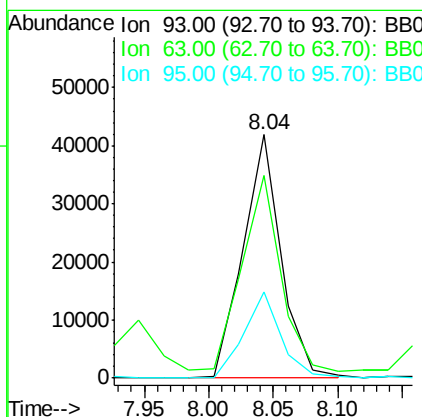
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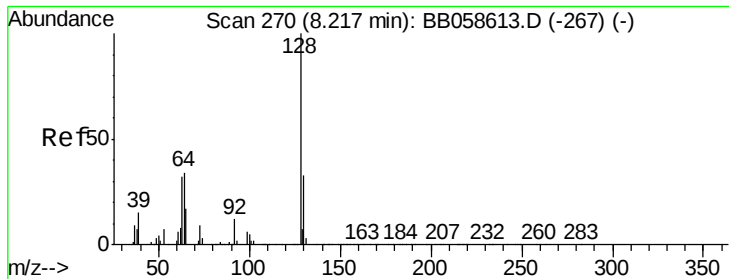
Delta R.T. -0.00 min

Lab File: BB058618.D

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Tgt Ion:	93	Resp:	85210
Ion Ratio	Lower	Upper	
93	100		
63	83.2	57.3	85.9
95	35.2	25.1	37.7





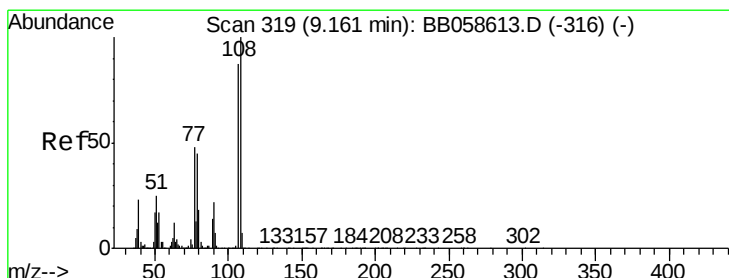
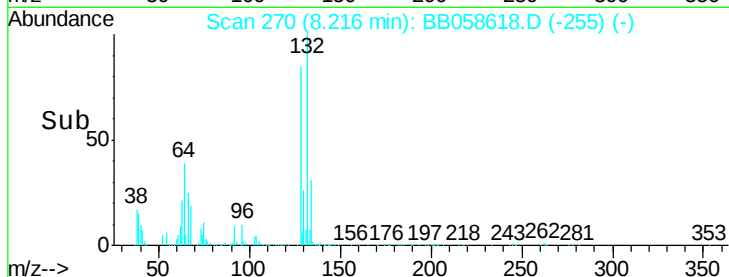
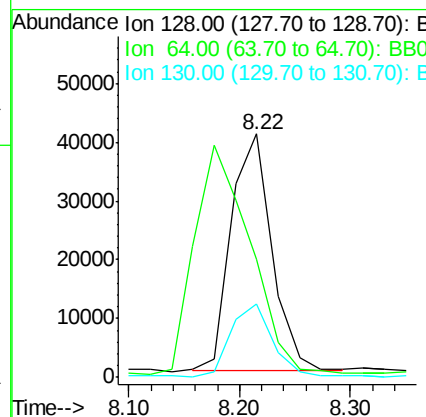
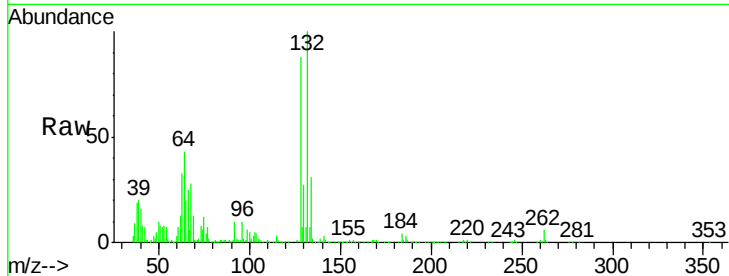
#10
2-Chlorophenol
Concen: 2.92 ng/ul
RT: 8.22 min Scan# 270
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	103559		
64	48.6	37.5	56.3	
130	30.0	25.0	37.4	

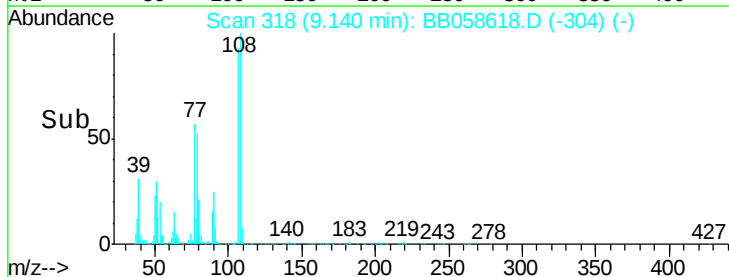
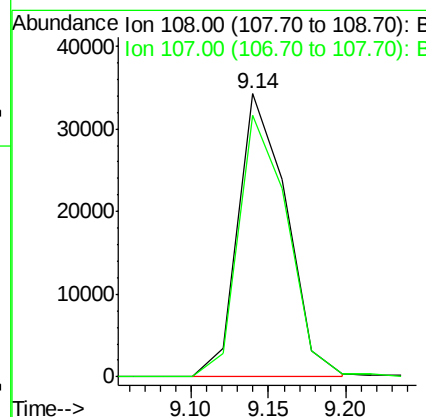
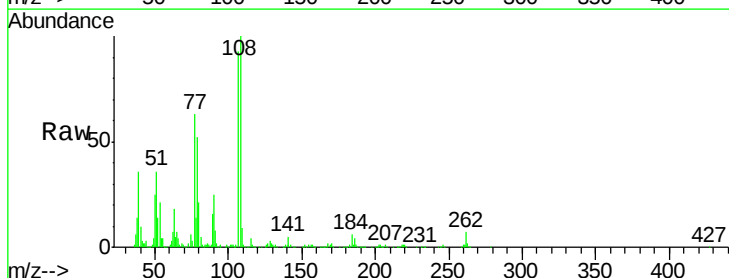
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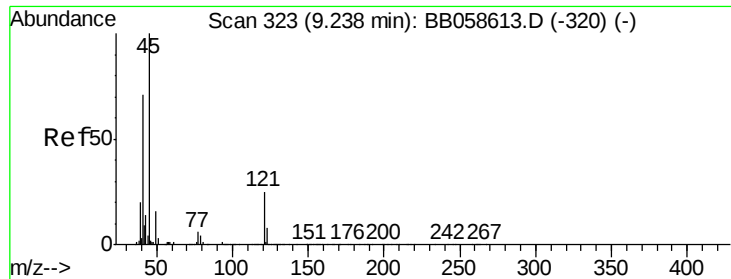
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#11
2-Methylphenol
Concen: 2.62 ng/ul
RT: 9.14 min Scan# 318
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	74833		
107	92.6	71.8	107.6	





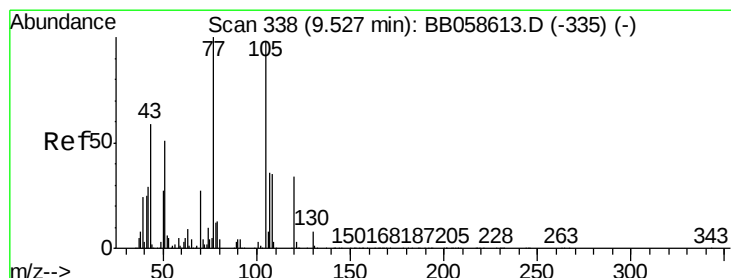
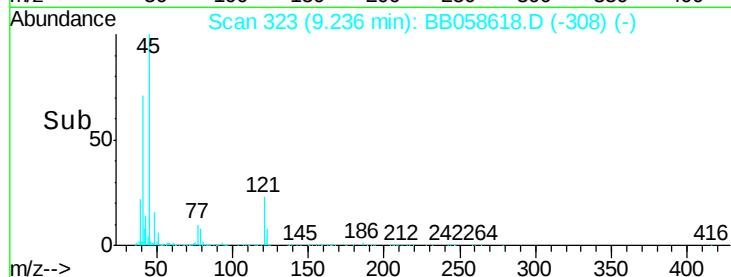
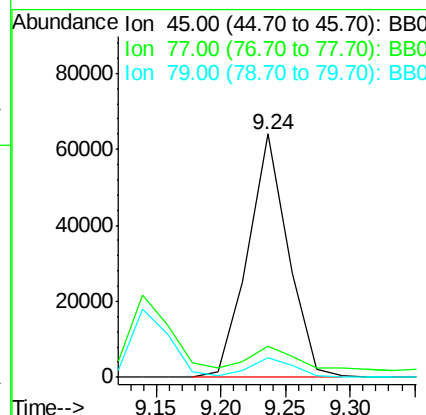
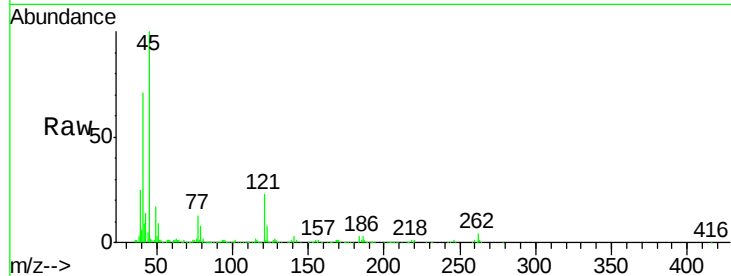
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.69 ng/ul
RT: 9.24 min Scan# 323
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.0	14.1	21.1#
79	8.3	10.4	15.6#

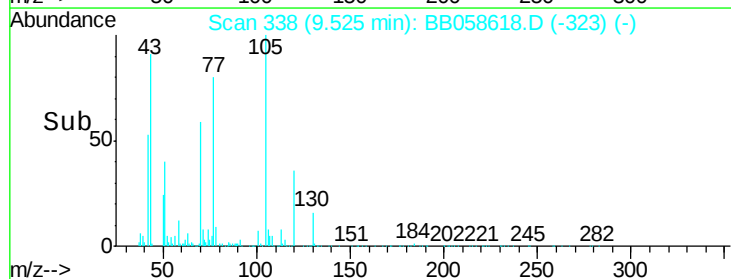
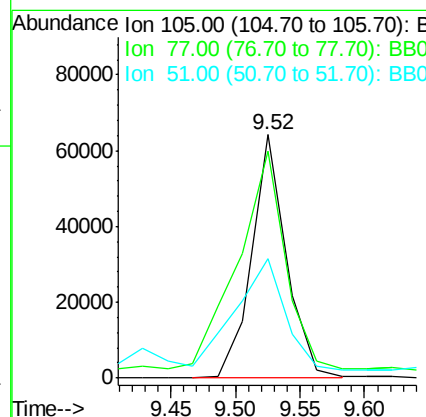
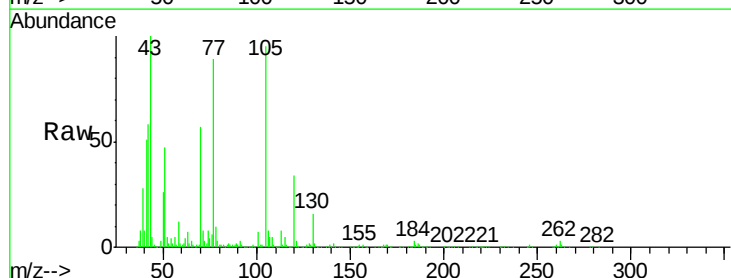
Manual Integrations
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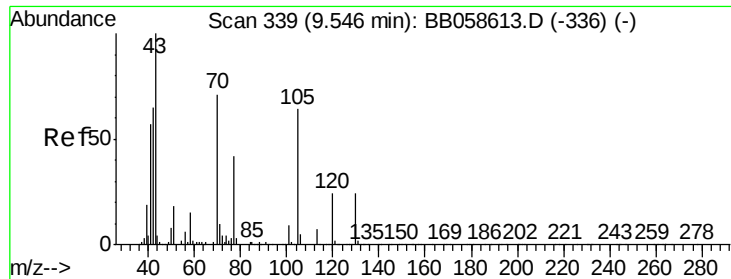
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#14
Acetophenone
Concen: 2.75 ng/ul
RT: 9.52 min Scan# 338
Delta R.T. -0.00 min
Lab File: BB058618.D
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Tgt Ion	Ratio	Lower	Upper
105	100		
77	93.4	65.9	98.9
51	49.0	22.2	33.2#





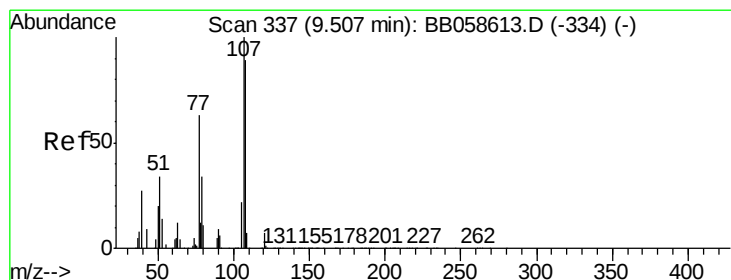
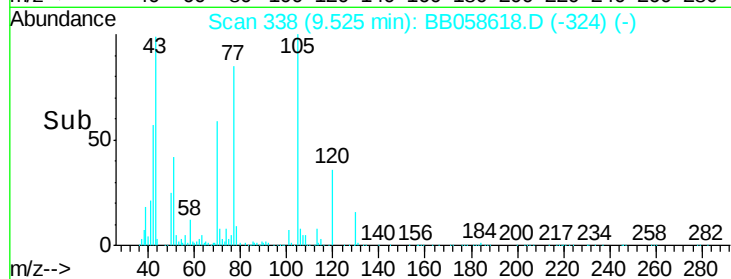
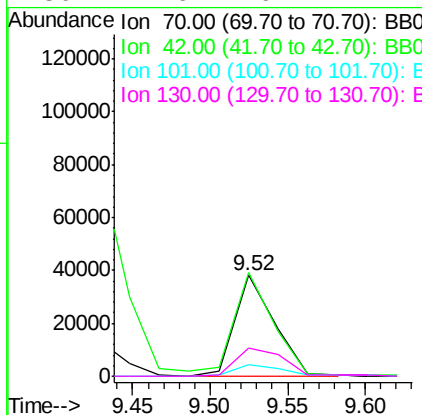
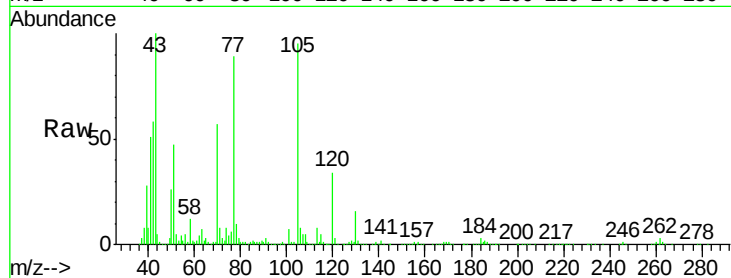
#15
N-Nitroso-di-n-propylamine
Concen: 2.64 ng/ul
RT: 9.52 min Scan# 338
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
70	100		
42	102.7	43.4	65.2#
101	11.6	7.8	11.6
130	27.6	16.2	24.4#

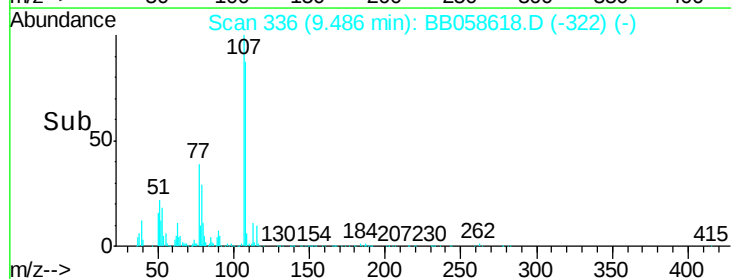
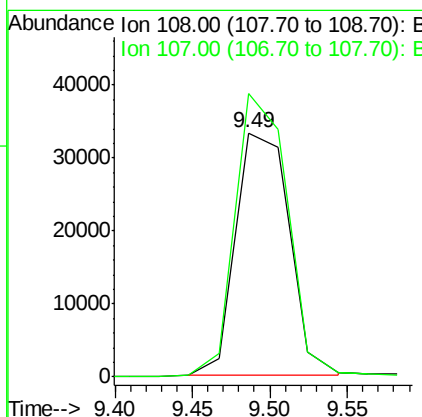
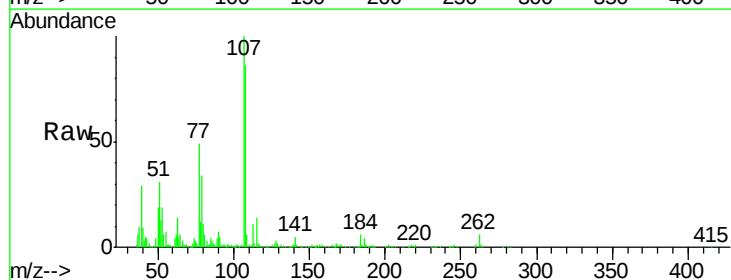
Manual Integrations
APPROVED

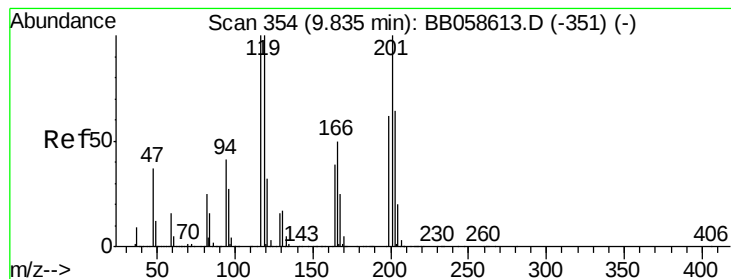
SOHIL
10/13/2016 11:12:34 AM



#16
4-Methylphenol
Concen: 2.62 ng/ul
RT: 9.49 min Scan# 336
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Lower	Upper
108	100		
107	116.1	87.8	131.8





#17

Hexachloroethane

Concen: 2.80 ng/ul

RT: 9.83 min Scan# 354

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

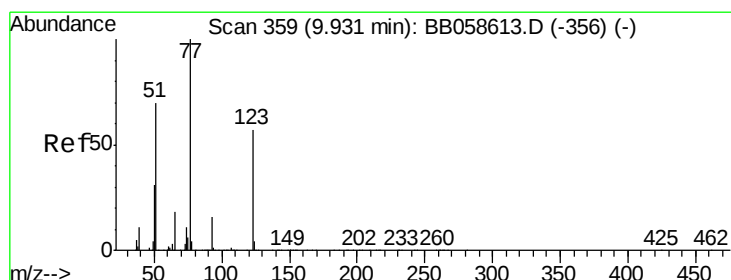
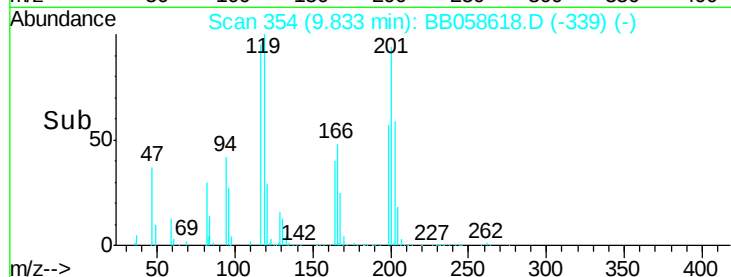
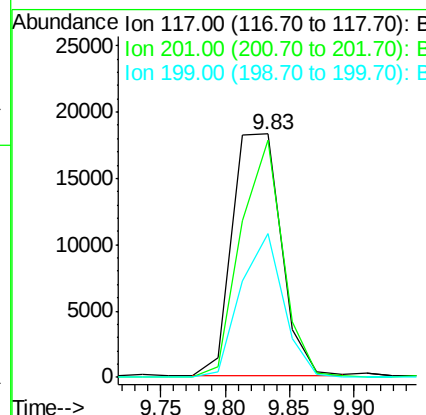
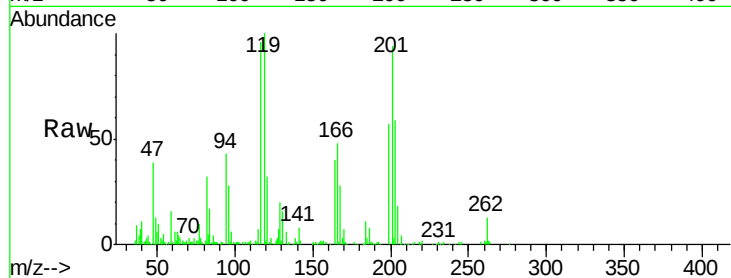
ClientSampled :

MDL-04-W

Tgt Ion:	117	Resp:	48030
Ion Ratio	Lower	Upper	
117	100		
201	97.5	90.3	135.5
199	58.9	58.5	87.7

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#20

Nitrobenzene

Concen: 2.82 ng/ul

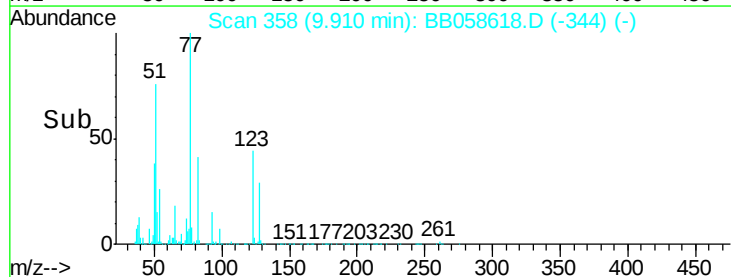
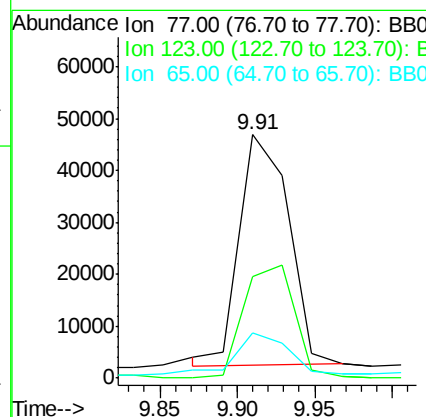
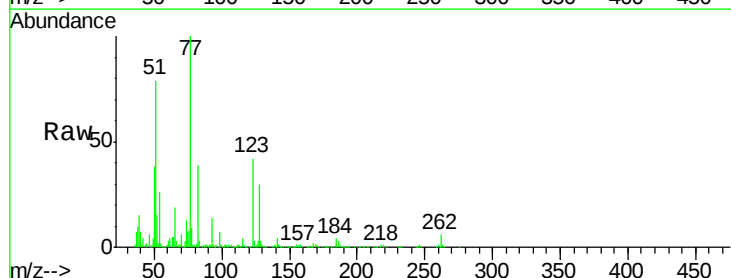
RT: 9.91 min Scan# 358

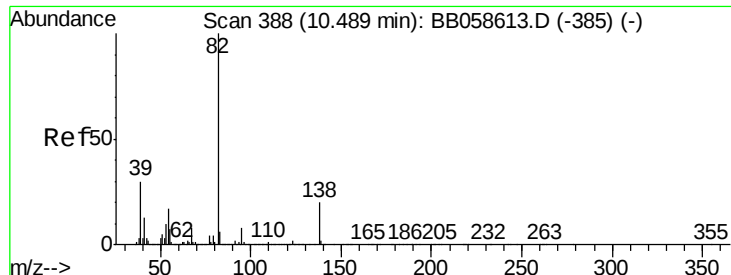
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	77	Resp:	98668
Ion Ratio	Lower	Upper	
77	100		
123	41.8	34.2	51.4
65	18.8	11.0	16.6#





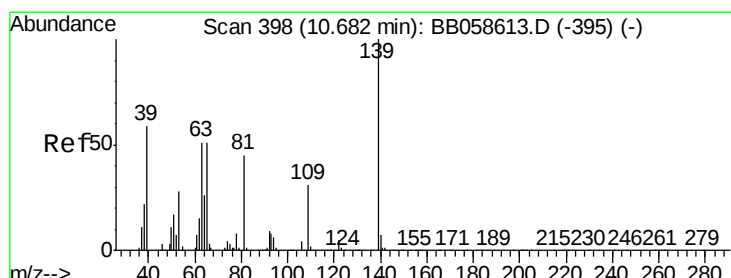
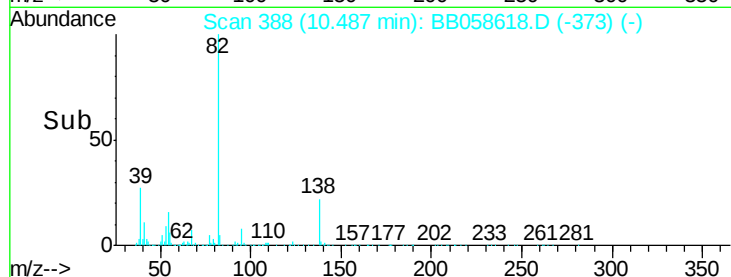
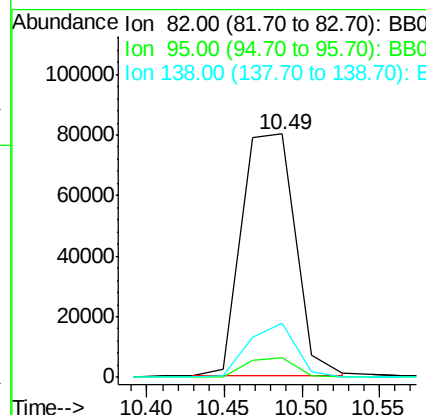
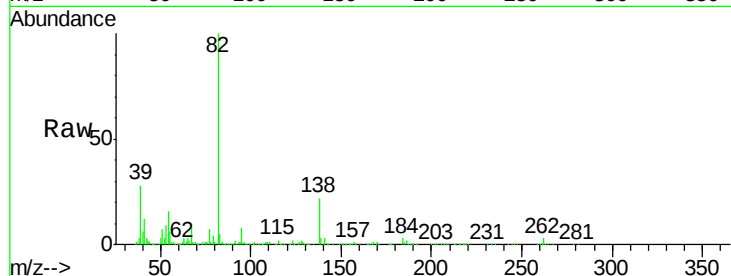
#21
Isophorone
Concen: 2.89 ng/ul
RT: 10.49 min Scan# 388
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampled :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
95	8.0	6.9	10.3
138	22.1	13.8	20.8

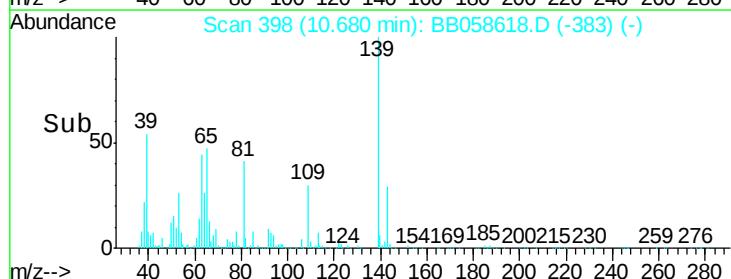
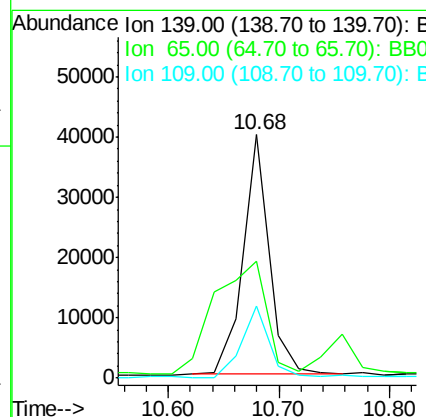
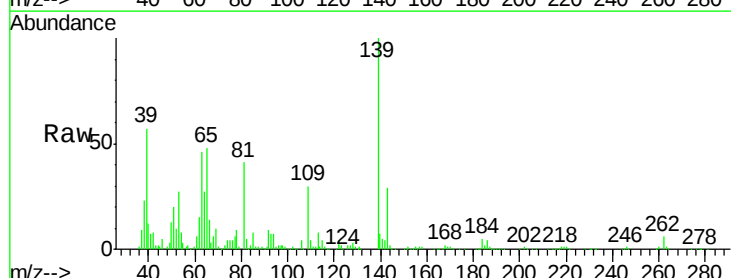
Manual Integrations
APPROVED

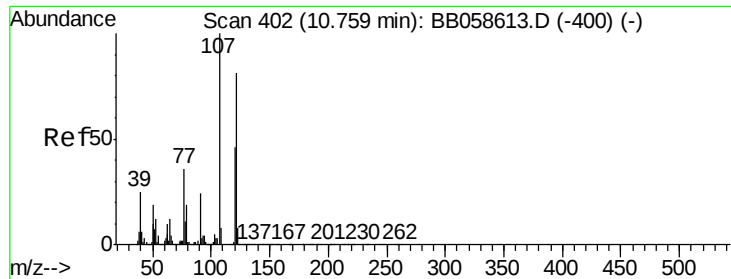
SOHIL
10/13/2016 11:12:34 AM



#23
2-Nitrophenol
Concen: 3.13 ng/ul
RT: 10.68 min Scan# 398
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
139	100		
65	47.8	44.2	66.4
109	29.8	28.2	42.4





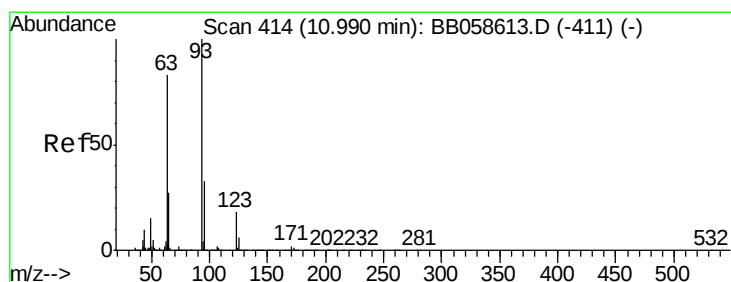
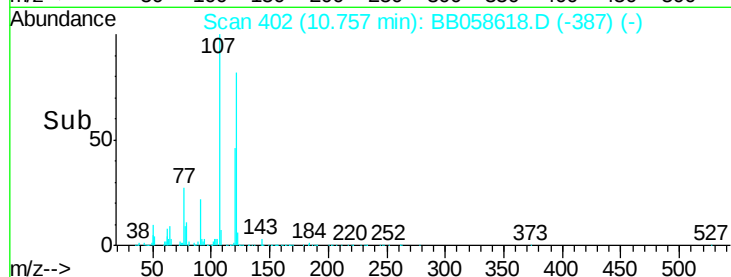
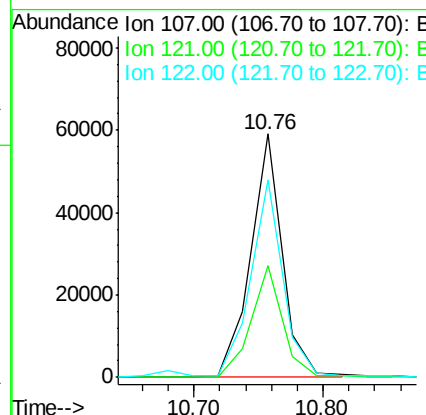
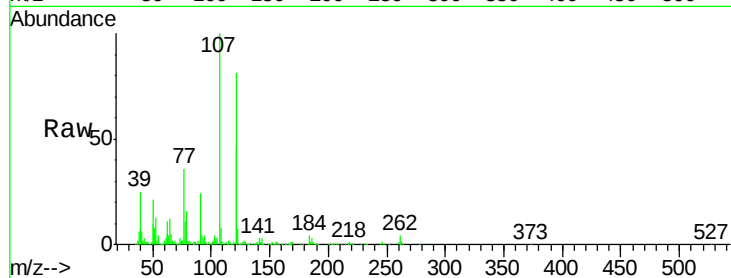
#24
2,4-Dimethylphenol
Concen: 2.91 ng/ul
RT: 10.76 min Scan# 402
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
121	46.2	37.1	55.7
122	81.2	62.8	94.2

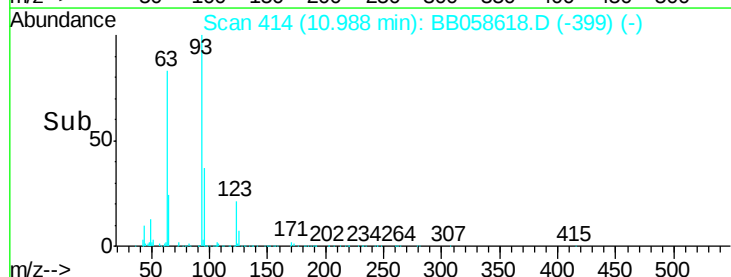
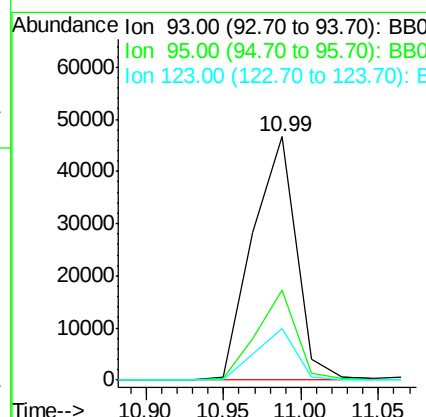
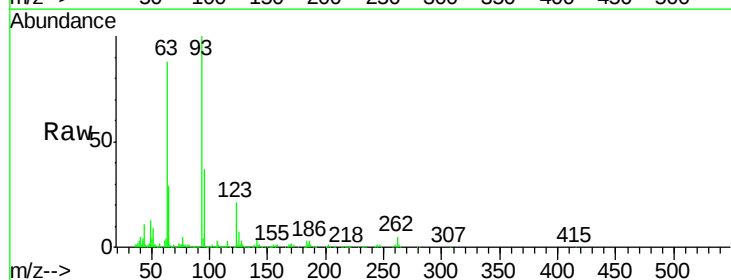
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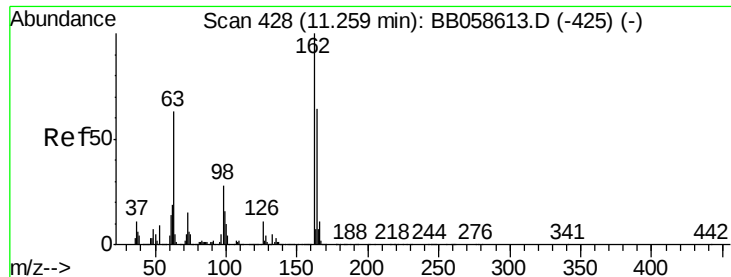
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#25
Bis(2-Chloroethoxy)methane
Concen: 2.82 ng/ul
RT: 10.99 min Scan# 414
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
95	36.9	25.4	38.0
123	21.3	8.3	12.5#





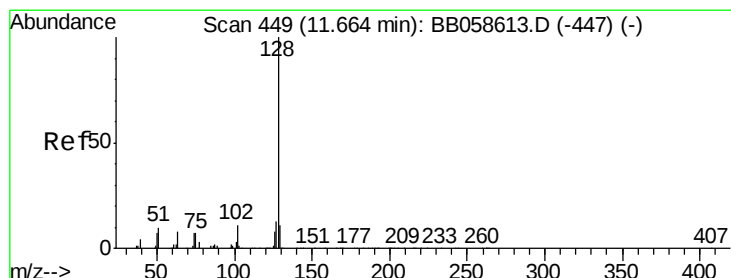
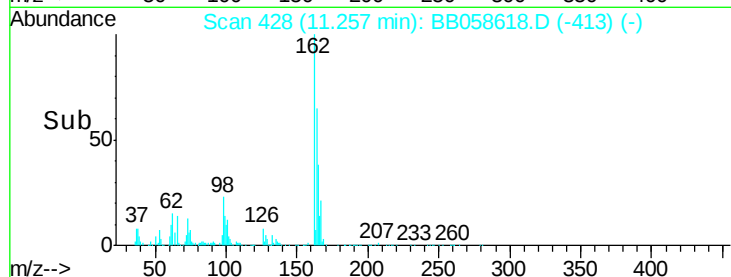
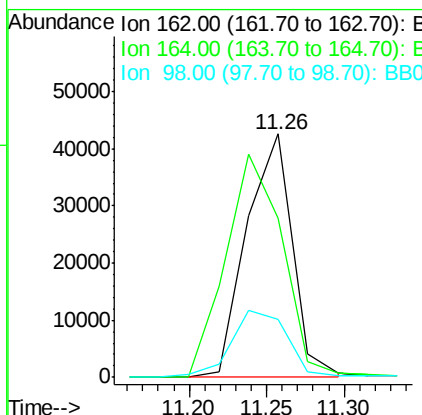
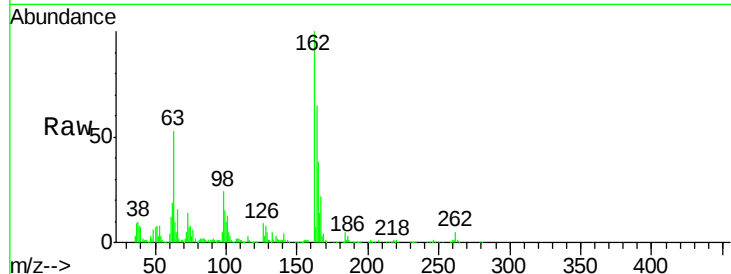
#27
2,4-Dichlorophenol
Concen: 3.10 ng/ul
RT: 11.26 min Scan# 428
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.2	51.6	77.4
98	23.7	28.4	42.6

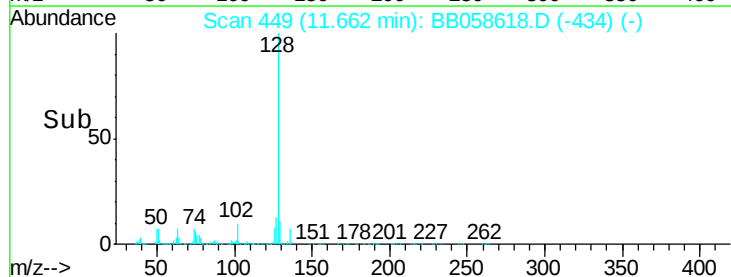
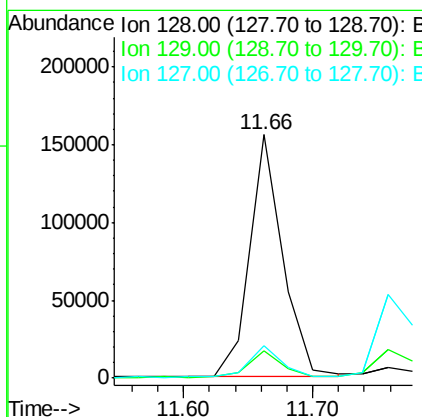
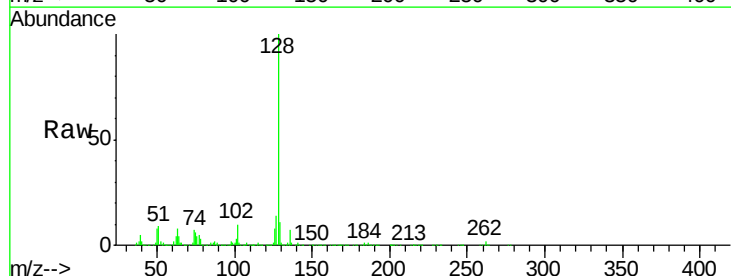
Manual Integrations
APPROVED

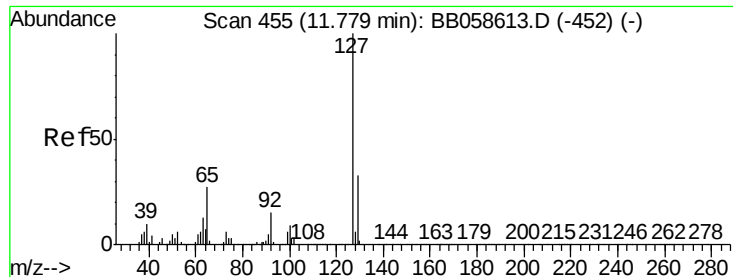
SOHIL
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#28
Naphthalene
Concen: 3.20 ng/ul
RT: 11.66 min Scan# 449
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.5	8.6	12.8
127	13.5	10.6	15.8





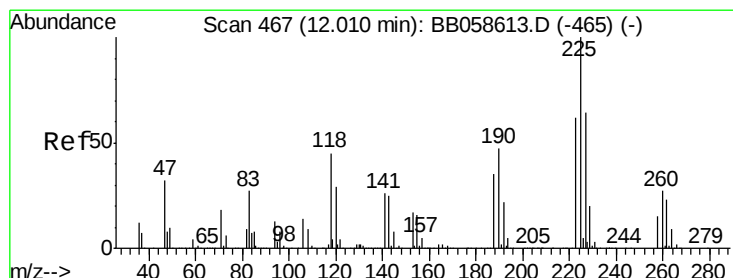
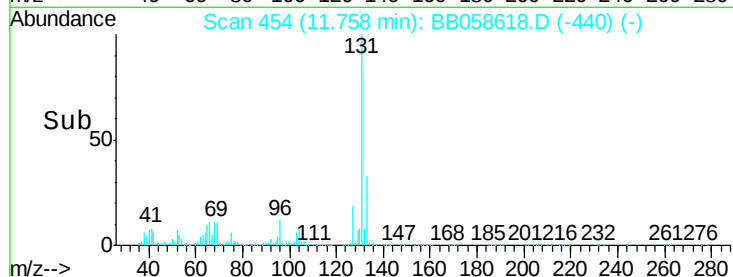
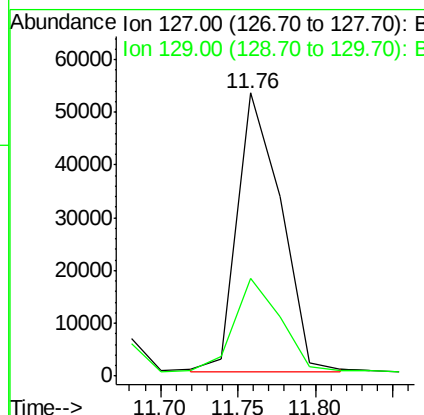
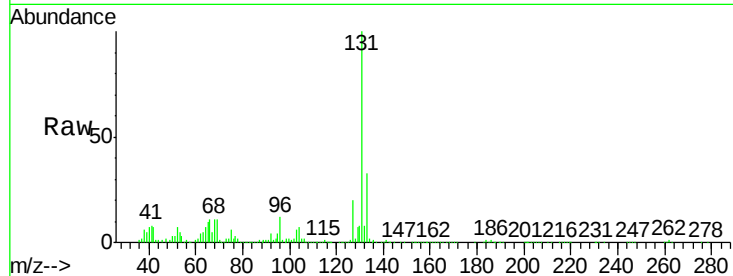
#30
4-Chloroaniline
Concen: 3.23 ng/ul
RT: 11.76 min Scan# 454
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion:127 Resp: 105104
Ion Ratio Lower Upper
127 100
129 34.7 24.6 37.0

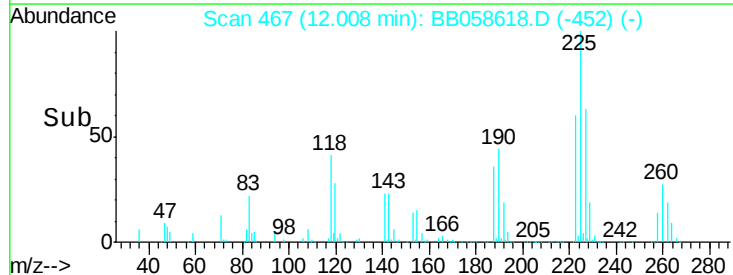
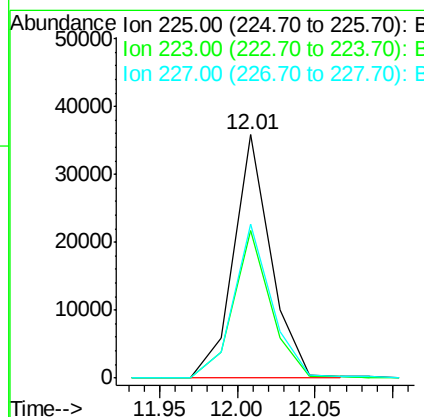
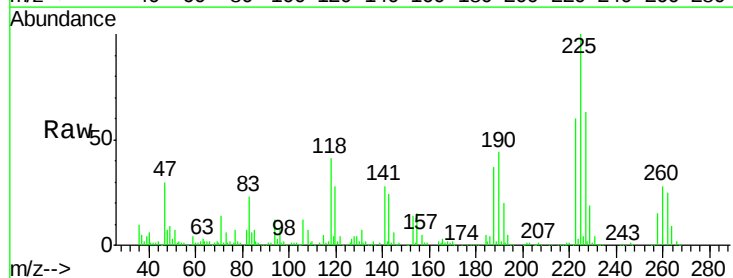
Manual Integrations
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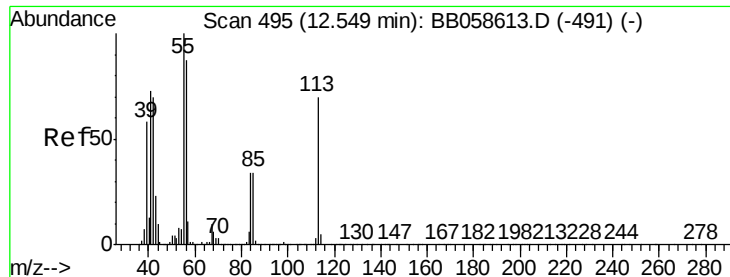
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#31
Hexachlorobutadiene
Concen: 3.12 ng/ul
RT: 12.01 min Scan# 467
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion:225 Resp: 60746
Ion Ratio Lower Upper
225 100
223 63.2 51.2 76.8
227 63.5 52.5 78.7





#32

Caprolactam

Concen: 2.38 ng/ul

RT: 12.59 min Scan# 497

Delta R.T. 0.04 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

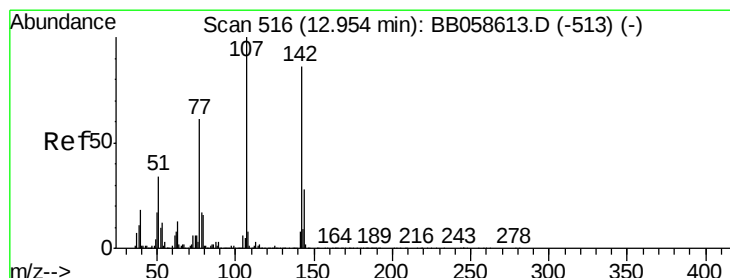
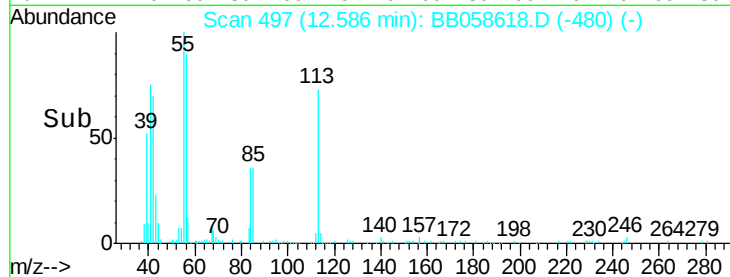
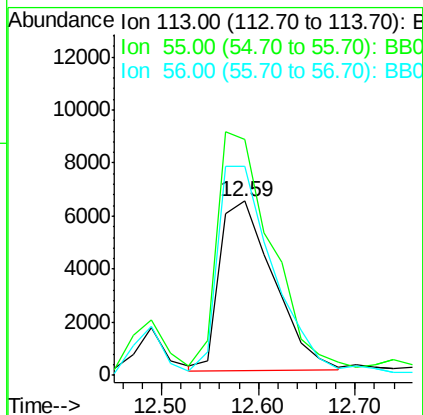
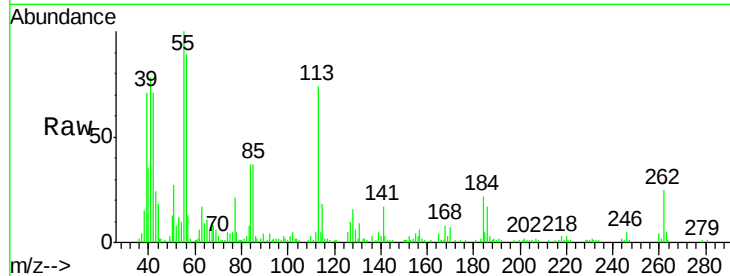
ClientSampleId :

MDL-04-W

Tgt Ion:	113	Resp:	24688
Ion Ratio	Lower	Upper	
113	100		
55	135.4	121.9	182.9
56	120.1	97.4	146.0

Manual Integrations
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#33

4-Chloro-3-methylphenol

Concen: 2.92 ng/ul

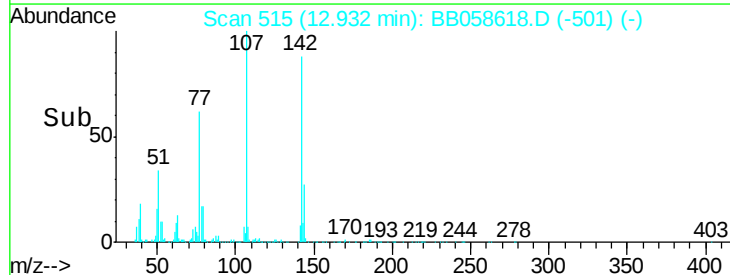
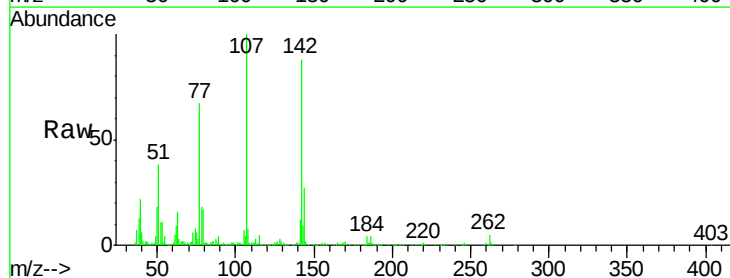
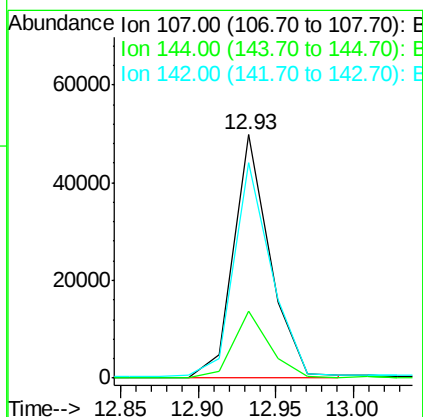
RT: 12.93 min Scan# 515

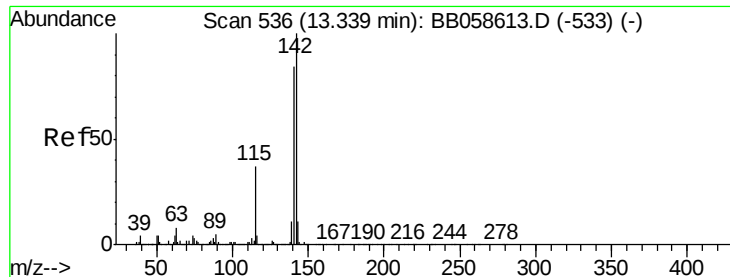
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	107	Resp:	82851
Ion Ratio	Lower	Upper	
107	100		
144	27.4	21.1	31.7
142	88.4	64.1	96.1





#34

2-Methylnaphthalene

Concen: 3.18 ng/ul

RT: 13.32 min Scan# 535

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

ClientSampleId :

MDL-04-W

Tgt Ion:142 Resp: 188381

Ion Ratio Lower Upper

142 100

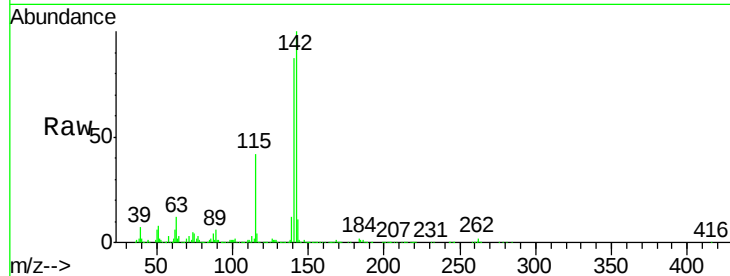
141 87.4 71.3 106.9

Manual Integrations

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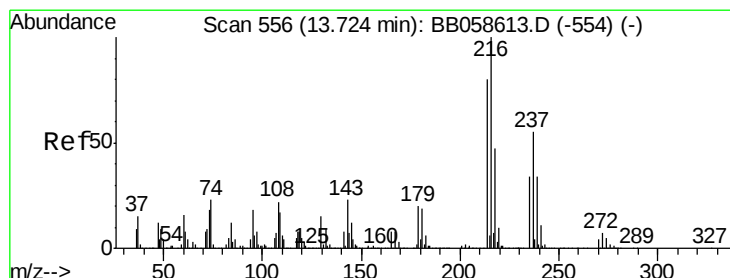
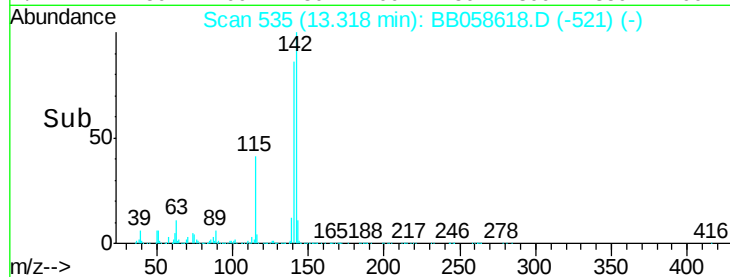
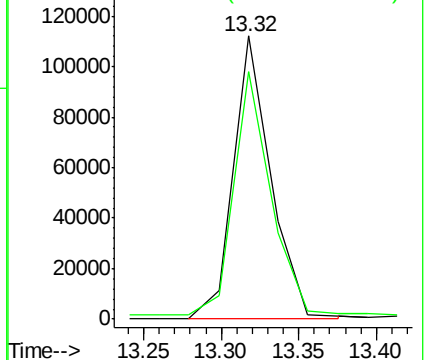
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.12 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:216 Resp: 104806

Ion Ratio Lower Upper

216 100

214 75.6 64.8 97.2

179 16.7 16.7 25.1#

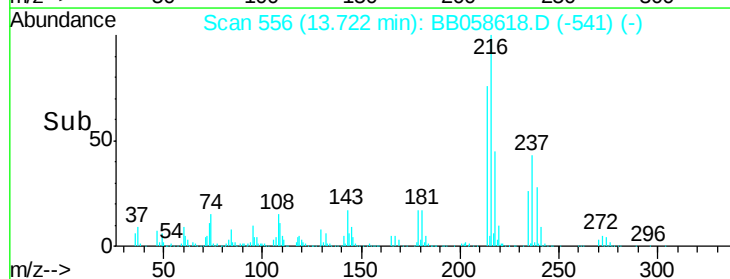
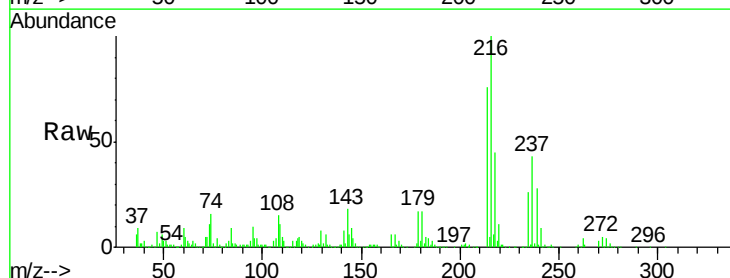
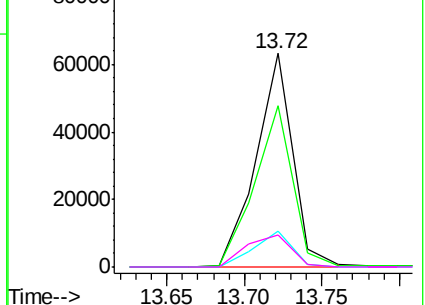
108 15.0 13.2 19.8

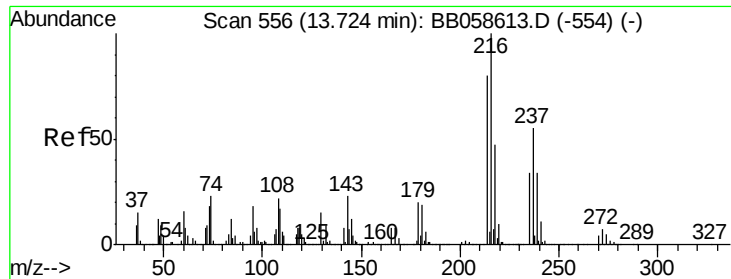
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#37

Hexachlorocyclopentadiene

Concen: 1.90 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

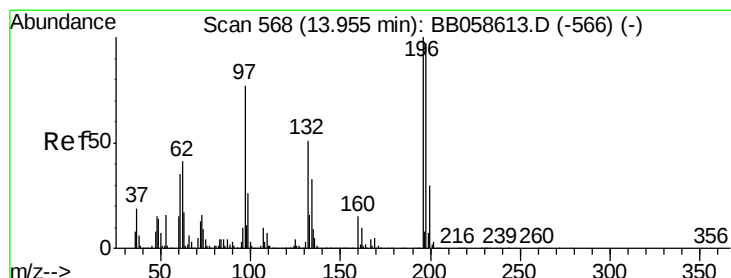
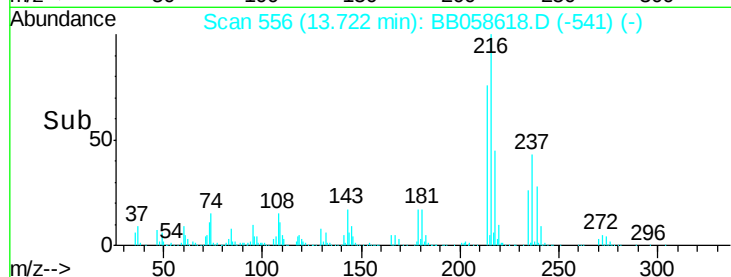
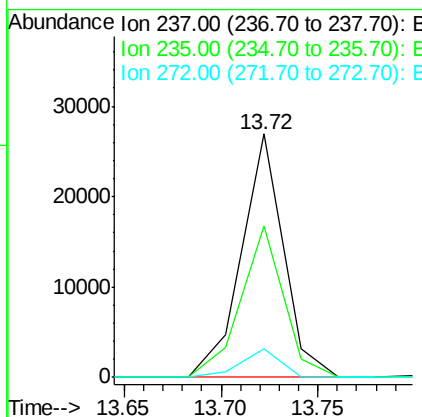
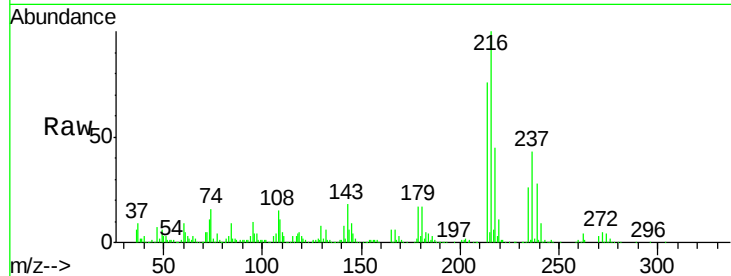
ClientSampleId :

MDL-04-W

Tgt Ion:	237	Resp:	40241
Ion Ratio	Lower	Upper	
237	100		
235	65.2	49.6	74.4
272	11.6	10.4	15.6

Manual Integrations
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10/13/2016 11:12:34 AM



#38

2,4,6-Trichlorophenol

Concen: 3.04 ng/ul

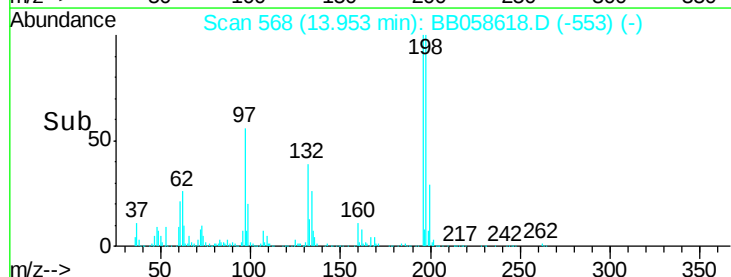
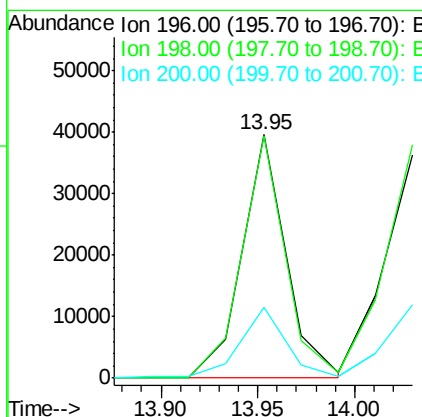
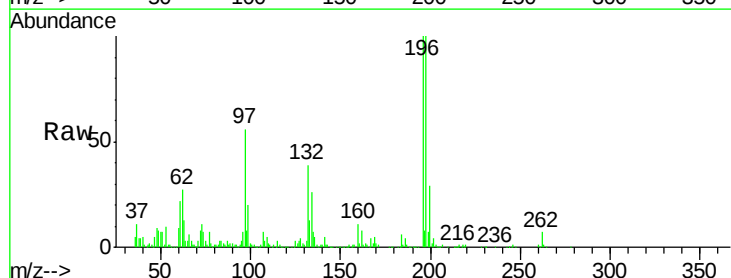
RT: 13.95 min Scan# 568

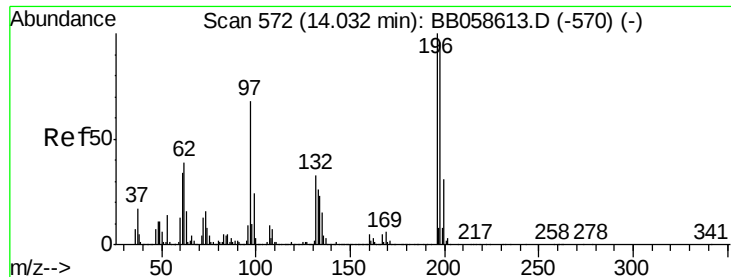
Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	196	Resp:	62024
Ion Ratio	Lower	Upper	
196	100		
198	99.7	76.9	115.3
200	29.3	25.1	37.7





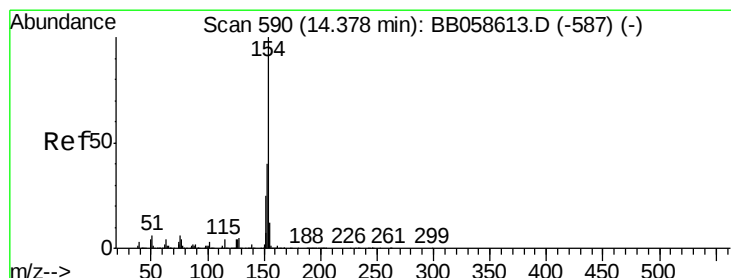
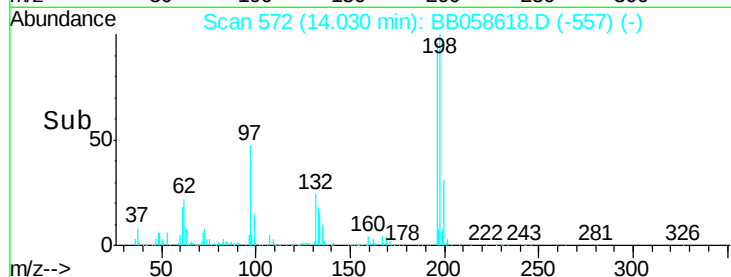
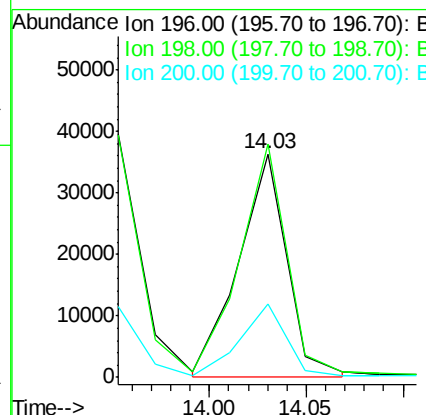
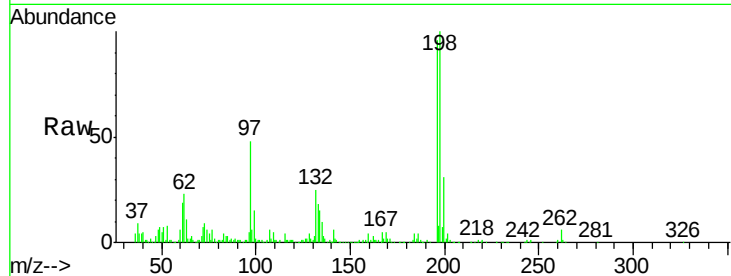
#39
 2,4,5-Trichlorophenol
 Concen: 2.87 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BB058618.D
 Acq: 12 Oct 2016 13:32

Instrument :
 BNA_B
 ClientSampled :
 MDL-04-W

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	62149		
198	104.4	76.8	115.2	
200	32.7	27.0	40.4	

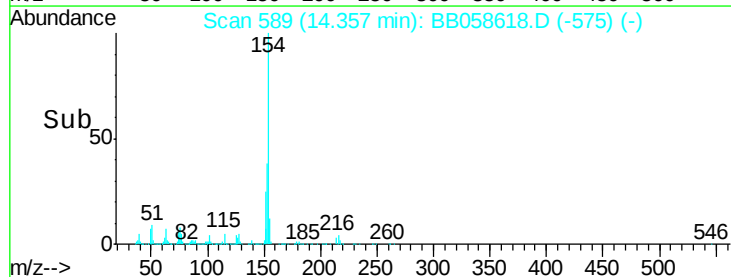
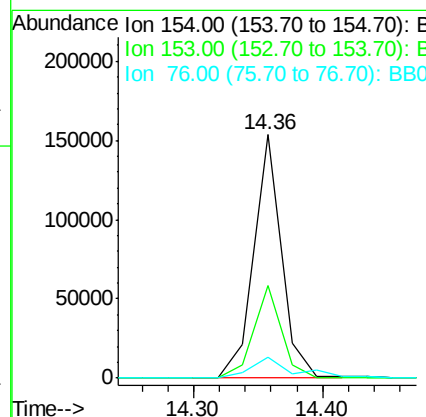
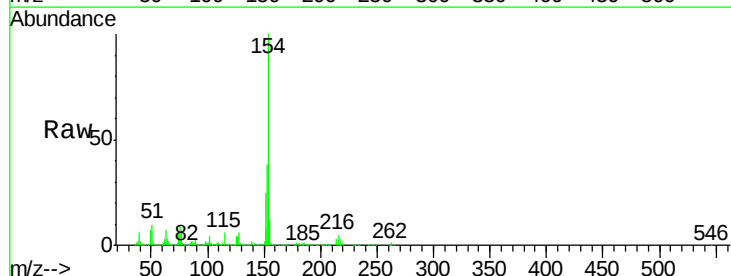
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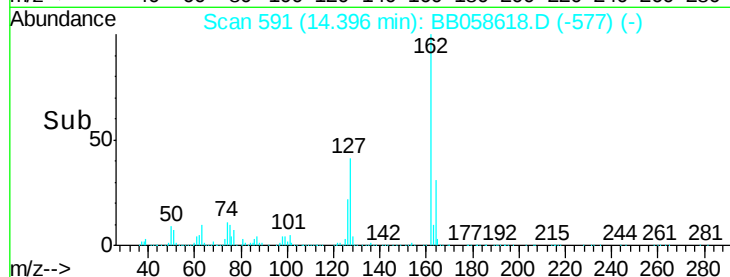
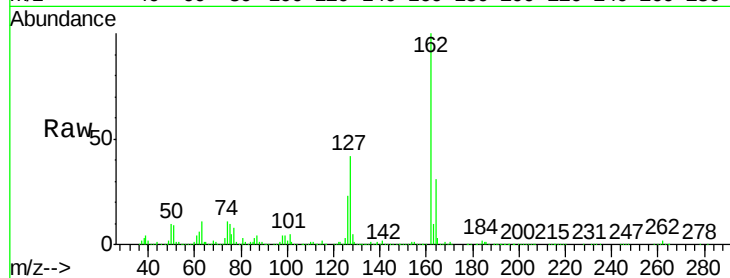
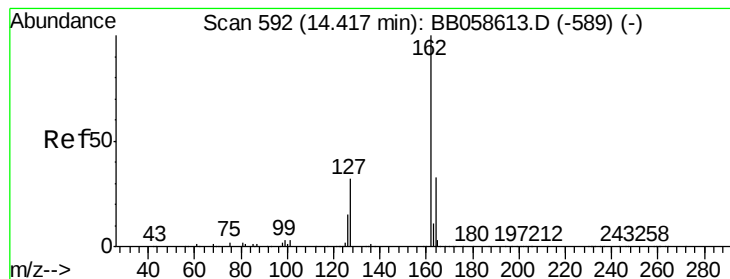
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 10/13/2016 11:12:34 AM



#40
 1,1'-Biphenyl
 Concen: 3.14 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058618.D
 Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	230075		
153	37.9	31.3	46.9	
76	8.7	10.0	15.0	





#41

2-Chloronaphthalene

Concen: 3.04 ng/ul

RT: 14.40 min Scan# 591

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	177448		
164	31.0	26.9	40.3	
127	42.2	31.2	46.8	

Instrument :

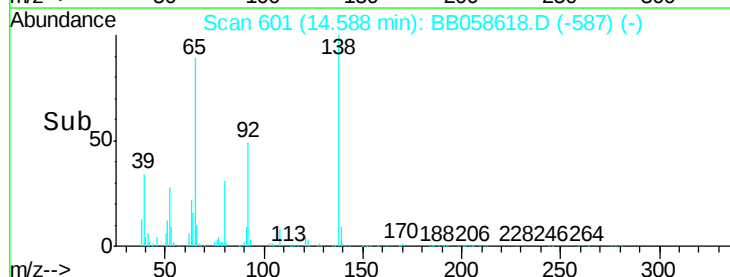
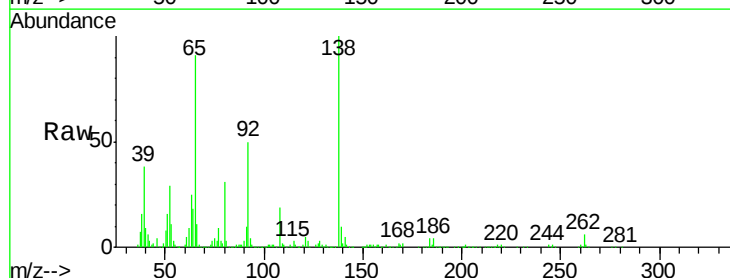
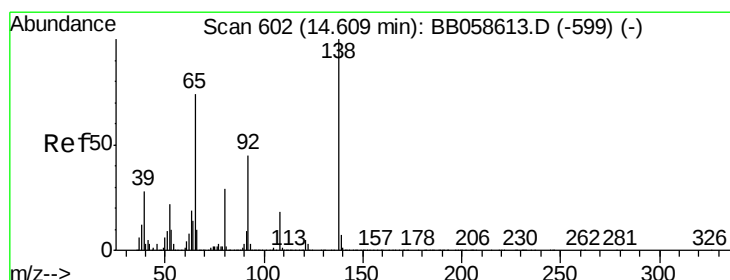
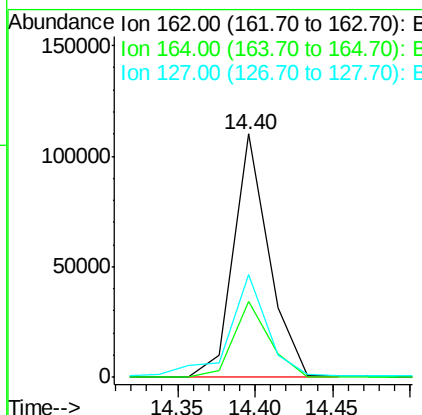
BNA_B

ClientSampled :

MDL-04-W

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#42

2-Nitroaniline

Concen: 2.66 ng/ul

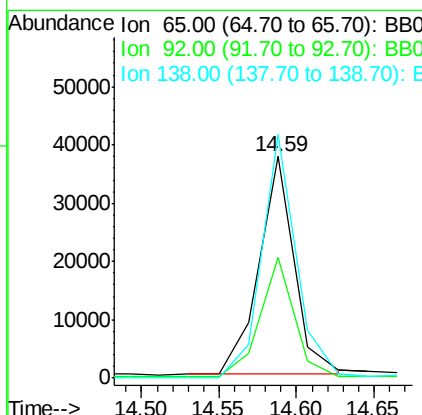
RT: 14.59 min Scan# 601

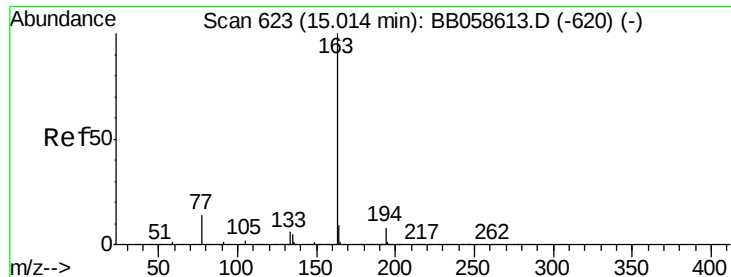
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	59621		
92	54.7	55.6	83.4	#
138	109.9	81.3	121.9	





#44

Dimethylphthalate

Concen: 3.29 ng/ul

RT: 14.99 min Scan# 622

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

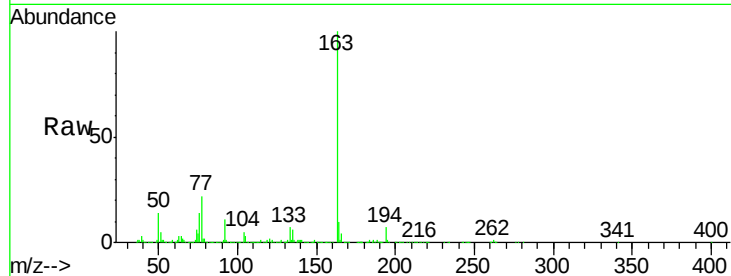
ClientSampleId :

MDL-04-W

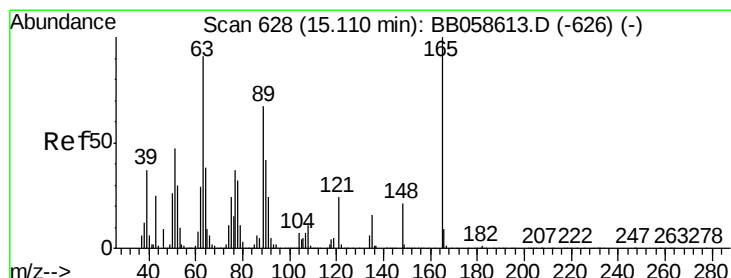
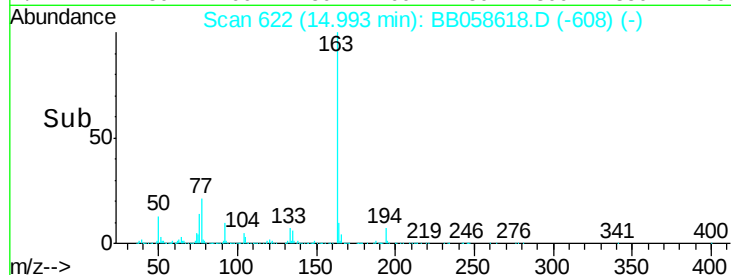
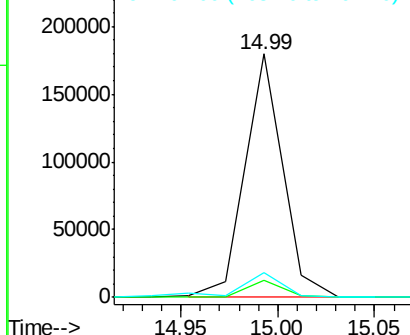
Tgt Ion:	163	Resp:	239026
Ion Ratio		Lower	Upper
163	100		
194	7.1	3.4	5.2#
164	10.3	7.8	11.8

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



#45

2,6-Dinitrotoluene

Concen: 2.86 ng/ul

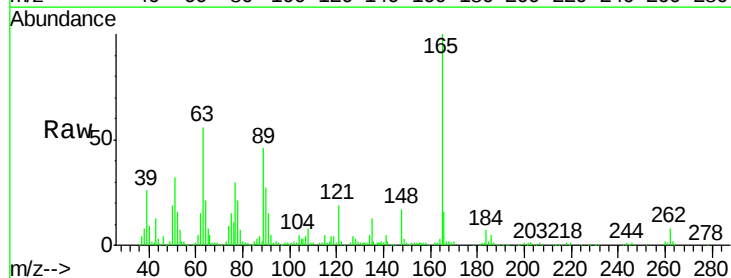
RT: 15.11 min Scan# 628

Delta R.T. -0.00 min

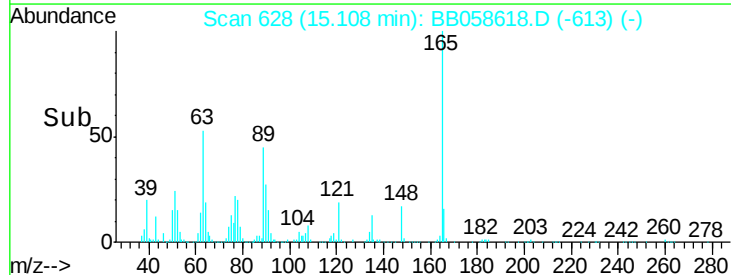
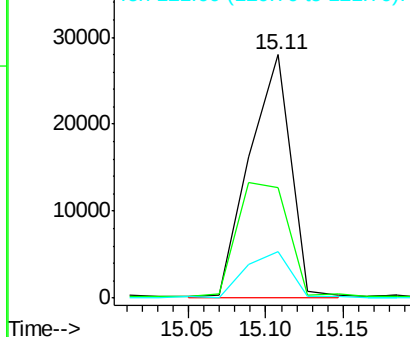
Lab File: BB058618.D

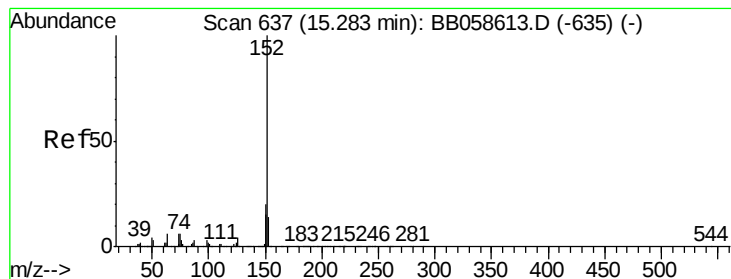
Acq: 12 Oct 2016 13:32

Tgt Ion:	165	Resp:	52456
Ion Ratio		Lower	Upper
165	100		
89	45.5	46.6	69.8#
121	19.2	16.0	24.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BB0
Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 3.24 ng/ul

RT: 15.28 min Scan# 637

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

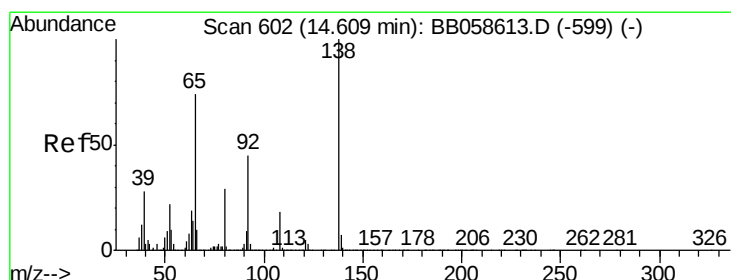
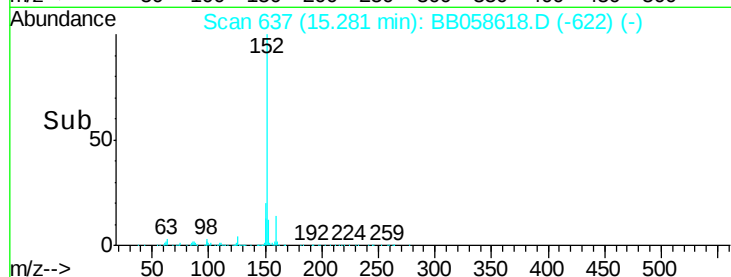
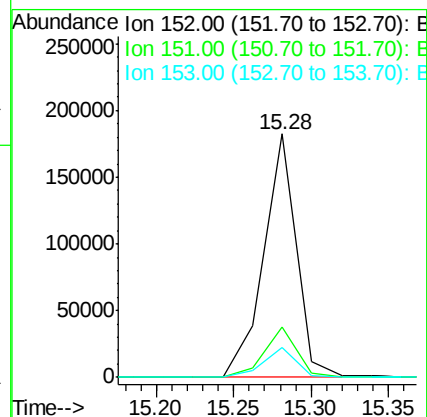
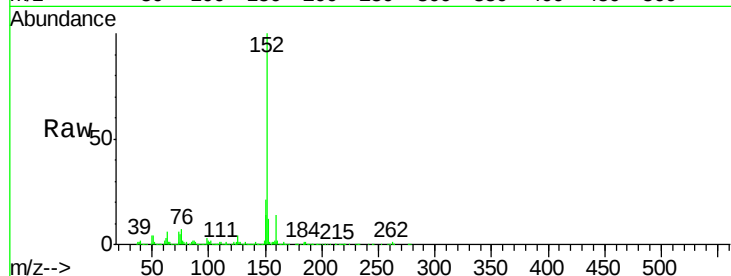
ClientSampleId :

MDL-04-W

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	269517		
151	20.6	16.0	24.0	
153	12.4	11.0	16.6	

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#48

3-Nitroaniline

Concen: 2.74 ng/ul

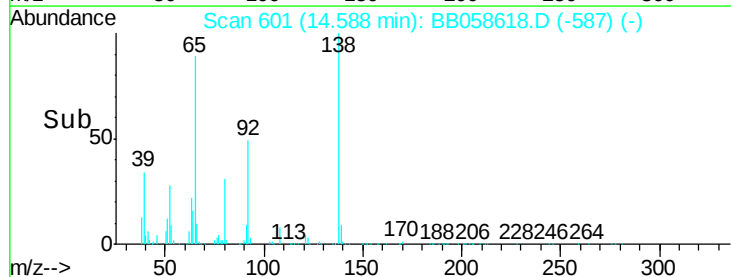
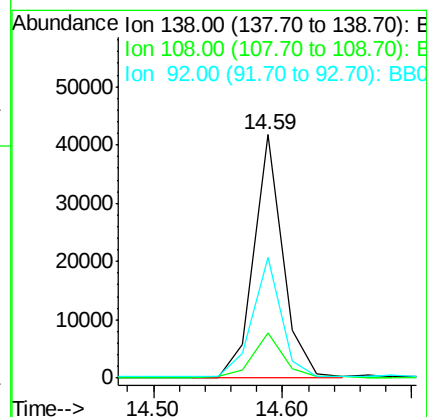
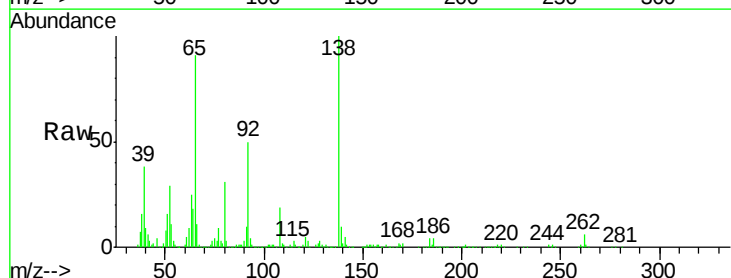
RT: 14.59 min Scan# 601

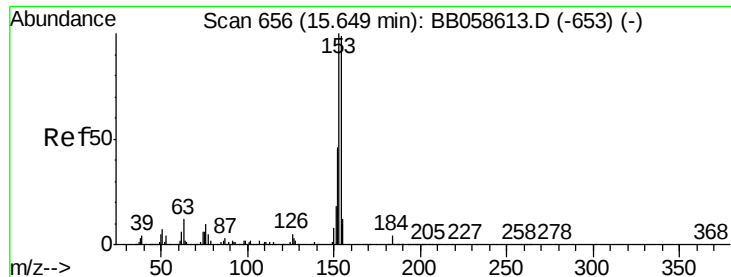
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	65848		
108	18.6	9.4	14.0#	
92	49.7	96.6	145.0#	





#49

Acenaphthene

Concen: 2.99 ng/ul

RT: 15.63 min Scan# 655

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

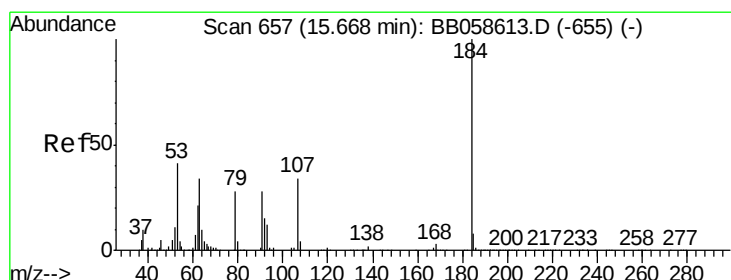
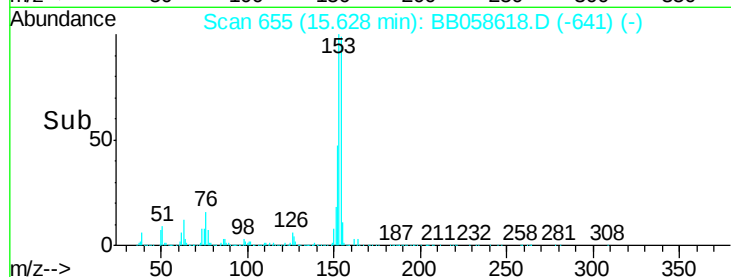
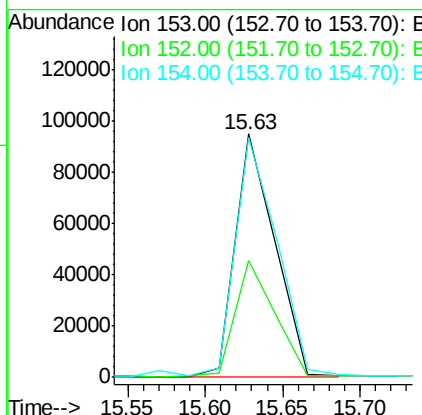
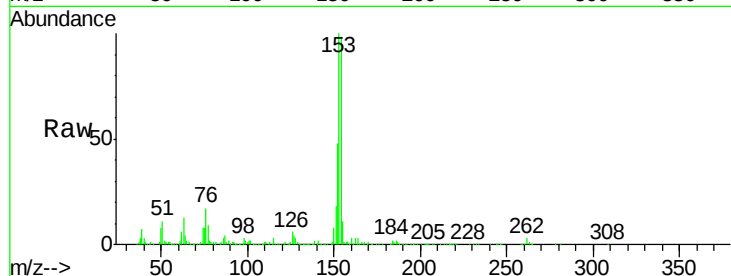
ClientSampleId :

MDL-04-W

Tgt Ion:	153	Resp:	170816
Ion Ratio		Lower	Upper
153	100		
152	47.9	37.8	56.6
154	98.4	71.4	107.0

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#50

2,4-Dinitrophenol

Concen: 1.61 ng/ul

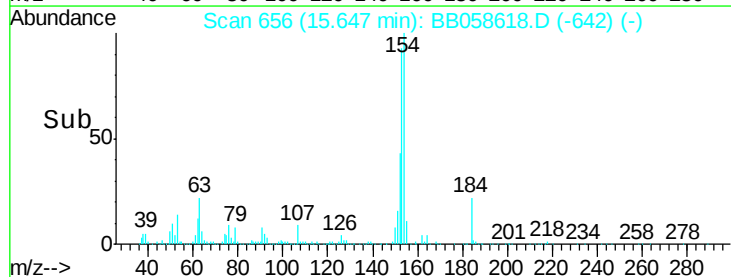
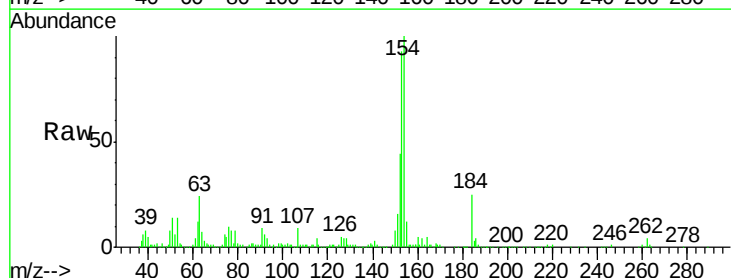
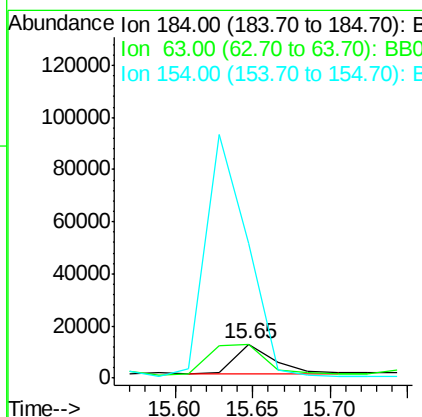
RT: 15.65 min Scan# 656

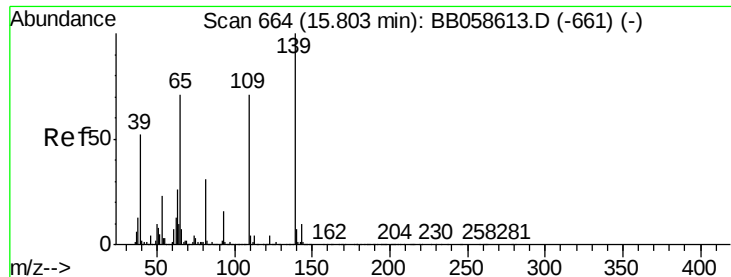
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	184	Resp:	21033
Ion Ratio		Lower	Upper
184	100		
63	97.1	43.4	65.0#
154	396.3	48.2	72.4#





#52

4-Nitrophenol

Concen: 2.66 ng/ul

RT: 15.78 min Scan# 663

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

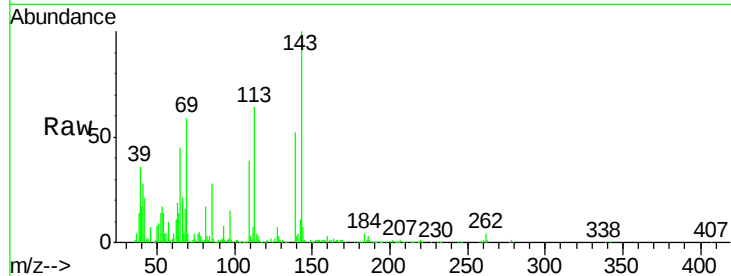
ClientSampleId :

MDL-04-W

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	36089		
139	134.7	88.7	133.1#	
65	116.2	96.4	144.6	

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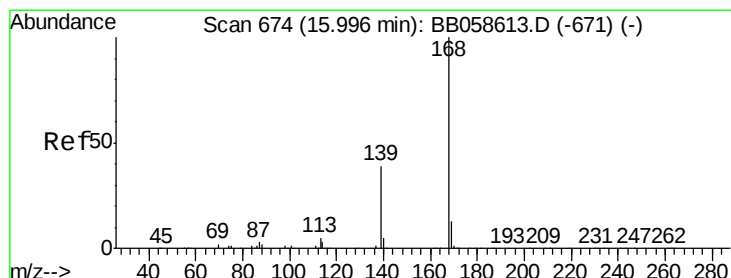
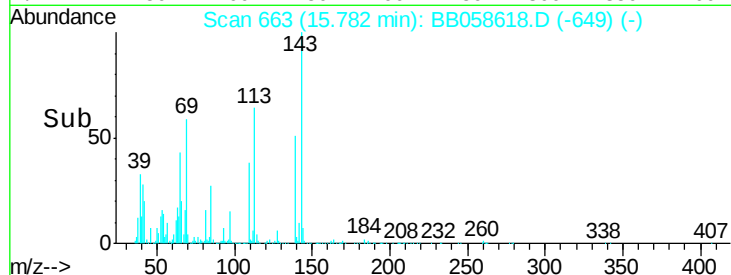
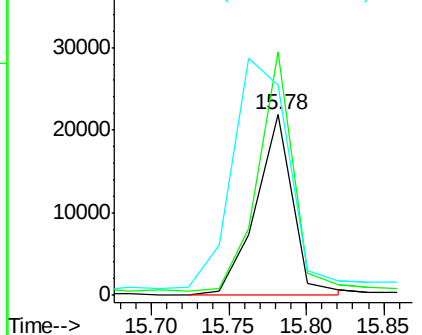


Abundance

Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BB0



#53

Dibenzofuran

Concen: 3.10 ng/ul

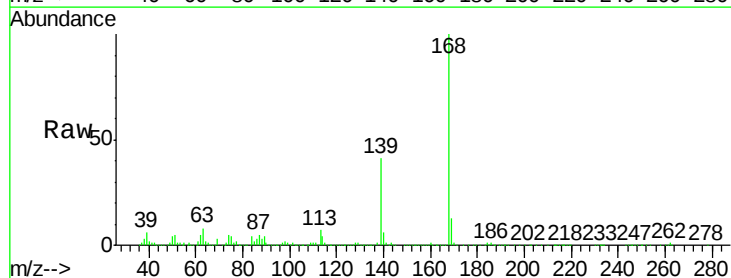
RT: 15.97 min Scan# 673

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

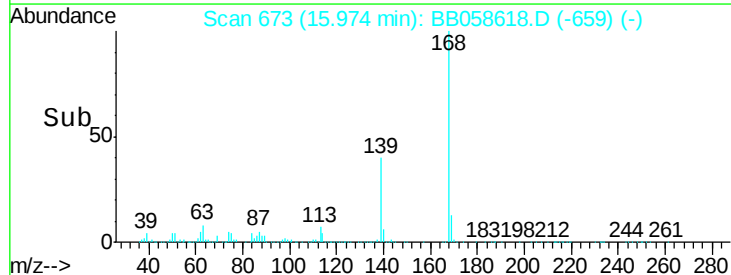
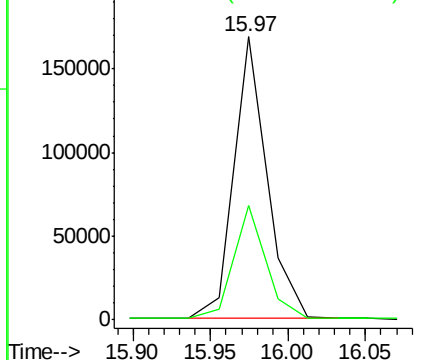
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	252264		
139	40.6	30.1	45.1	

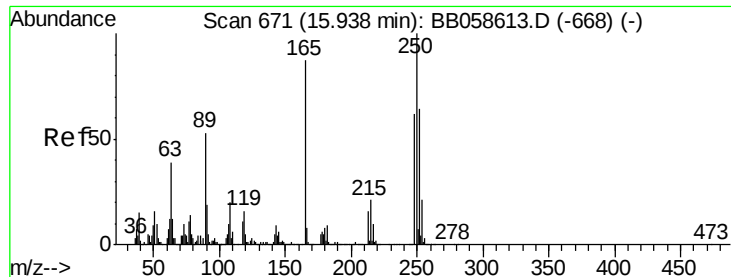


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 2.93 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

ClientSampleId :

MDL-04-W

Tgt Ion:165 Resp: 74996
Ion Ratio Lower Upper

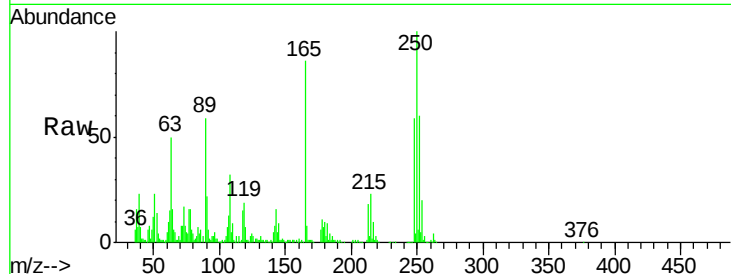
165 100

63 58.1 36.2 54.2#

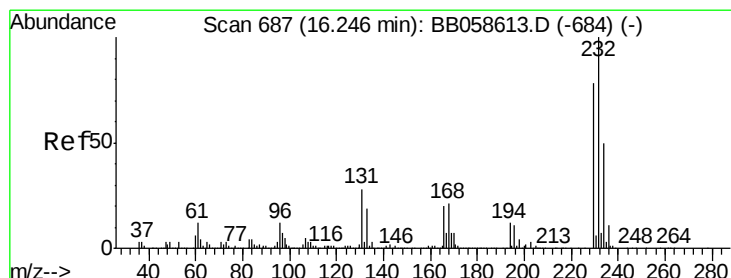
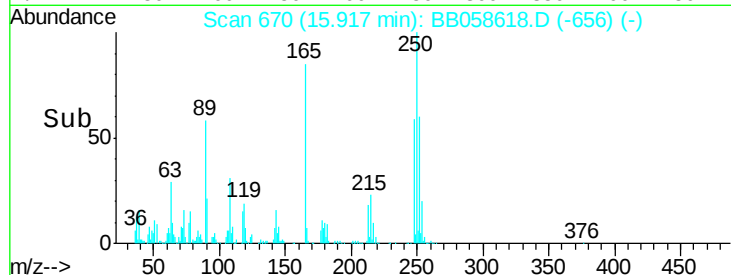
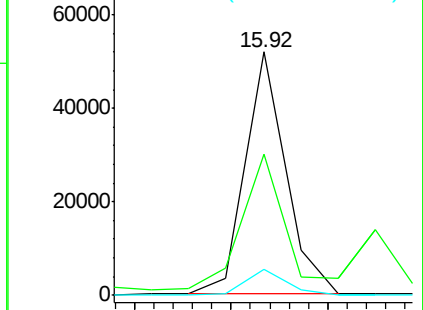
182 10.6 2.2 3.4#

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BB0
Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 2.89 ng/ul

RT: 16.22 min Scan# 686

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

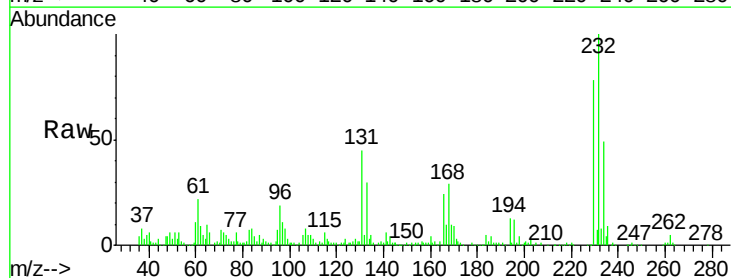
Tgt Ion:232 Resp: 54647
Ion Ratio Lower Upper

232 100

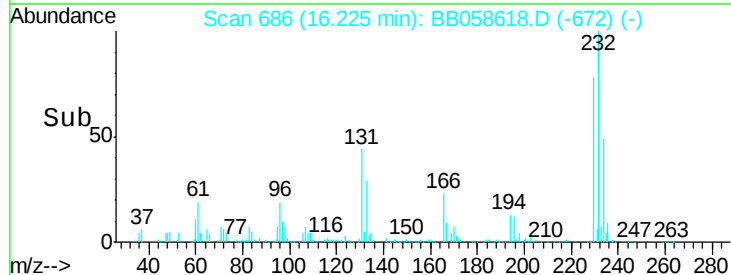
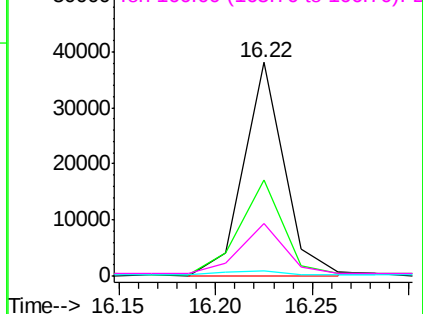
131 44.7 31.4 47.0

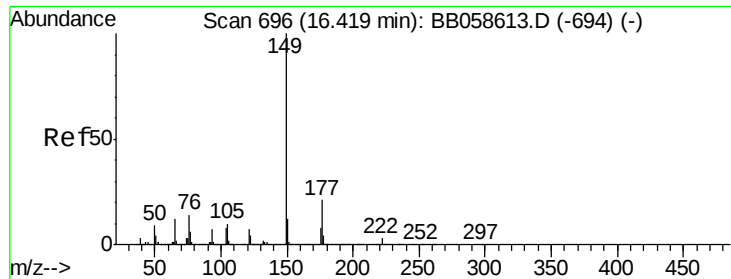
130 2.4 1.6 2.4#

166 24.5 22.6 33.8



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#56

Diethylphthalate

Concen: 3.13 ng/ul

RT: 16.42 min Scan# 696

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

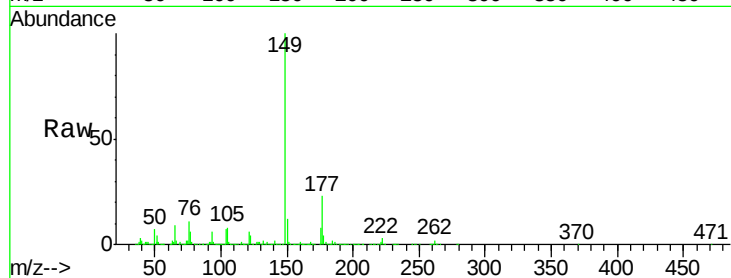
ClientSampleId :

MDL-04-W

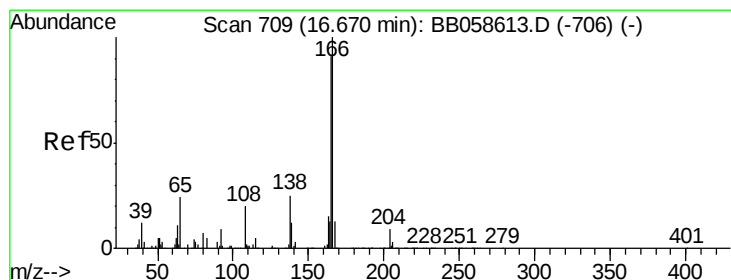
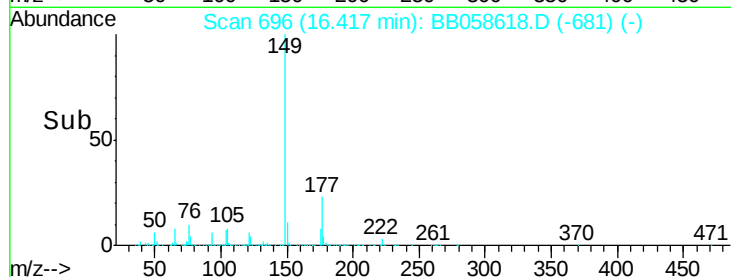
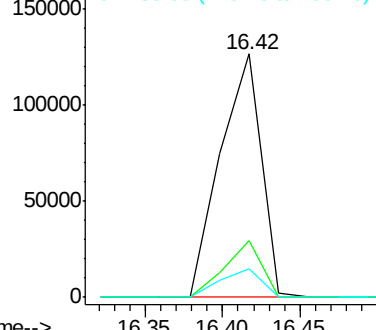
Tgt	Ion	149	Resp:	236121
Ion	Ratio	100	Lower	Upper
149	100			
177	23.5	18.6	28.0	
150	11.5	10.0	15.0	

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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: 3.01 ng/ul

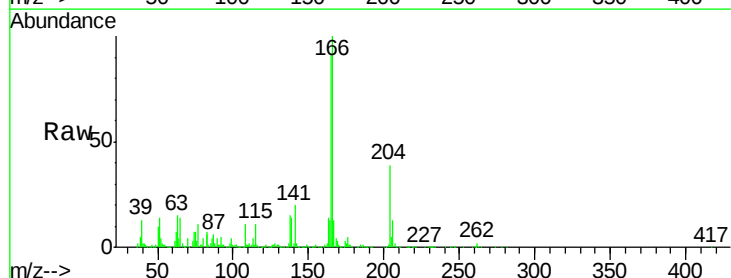
RT: 16.65 min Scan# 708

Delta R.T. -0.02 min

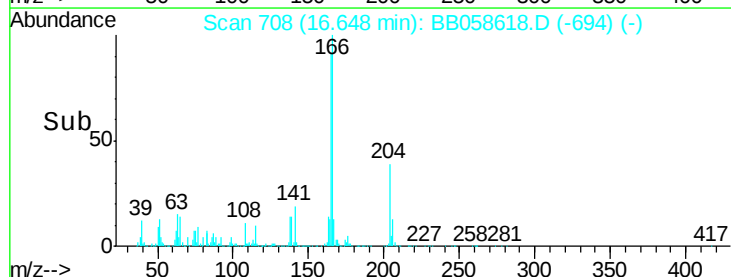
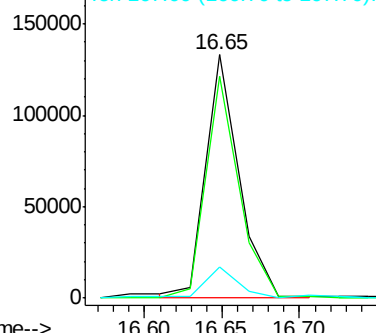
Lab File: BB058618.D

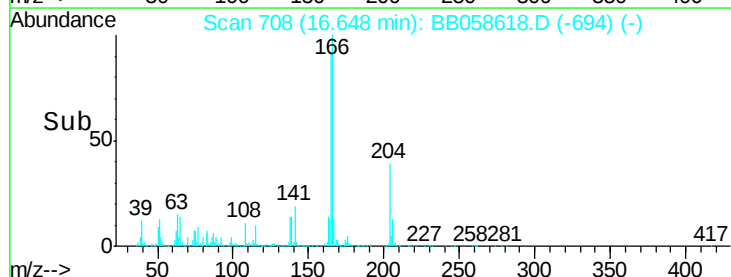
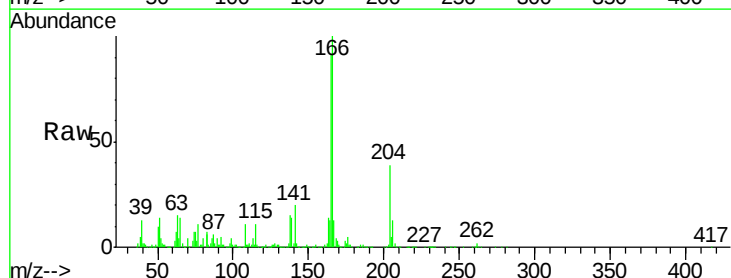
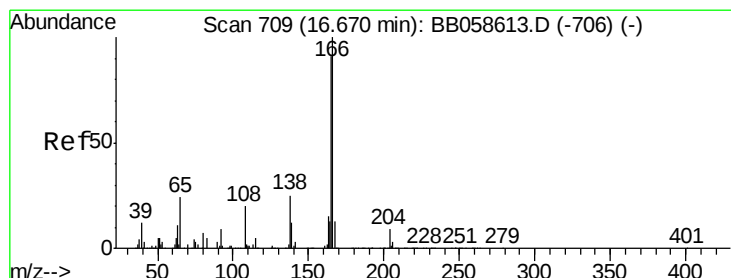
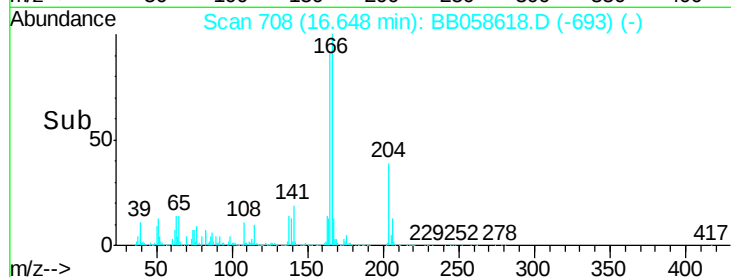
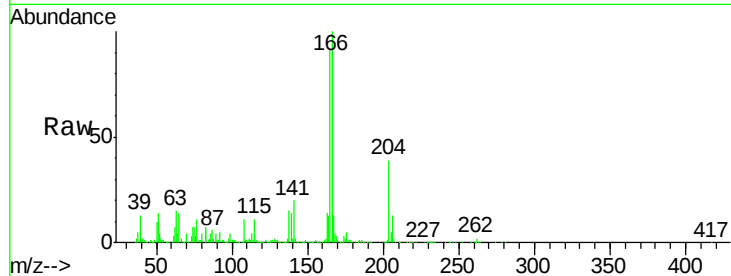
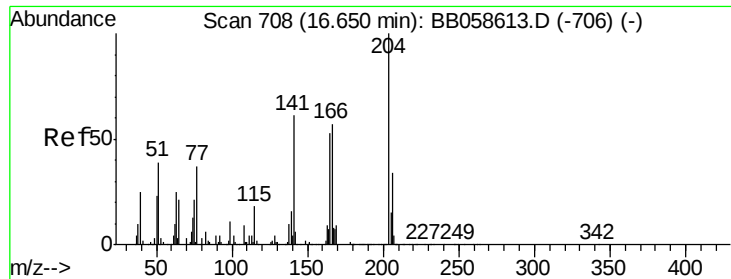
Acq: 12 Oct 2016 13:32

Tgt	Ion	166	Resp:	199355
Ion	Ratio	100	Lower	Upper
166	100			
165	91.2	79.9	119.9	
167	12.8	10.5	15.7	



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





#59

4-Chlorophenyl-phenylether

Concen: 2.93 ng/ul

RT: 16.65 min Scan# 708

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	204	Resp:	104252
Ion Ratio	Lower	Upper	
204	100		
206	34.1	25.9	38.9
141	51.1	46.1	69.1

Instrument :

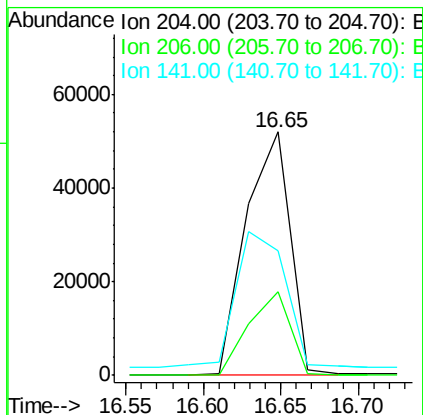
BNA_B

ClientSampleId :

MDL-04-W

Manual Integrations
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10/13/2016 11:12:34 AM



#60

4-Nitroaniline

Concen: 1.61 ng/ul

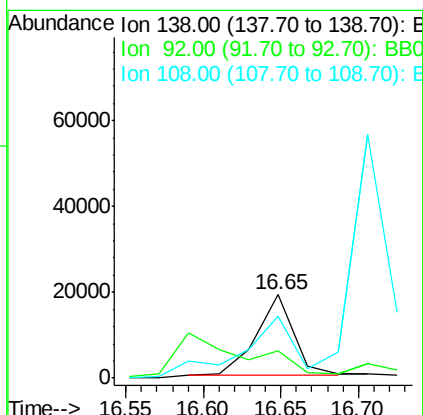
RT: 16.65 min Scan# 708

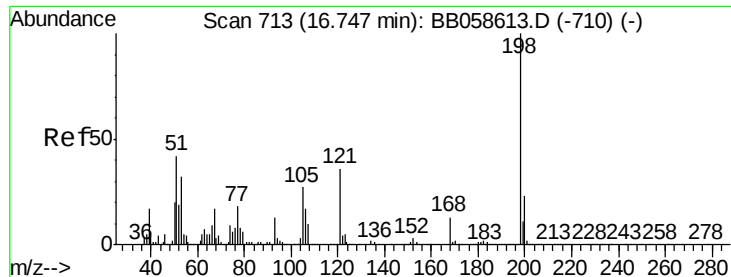
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	138	Resp:	30591
Ion Ratio	Lower	Upper	
138	100		
92	32.7	43.5	65.3#
108	75.0	80.3	120.5#





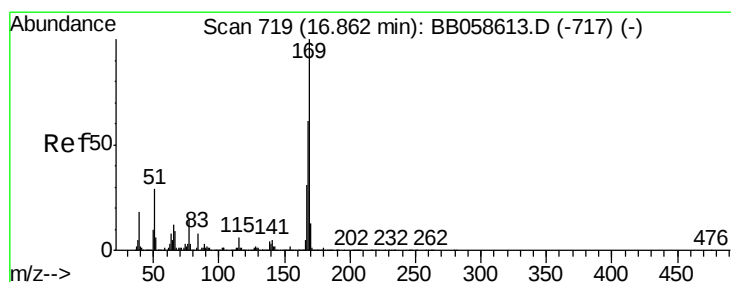
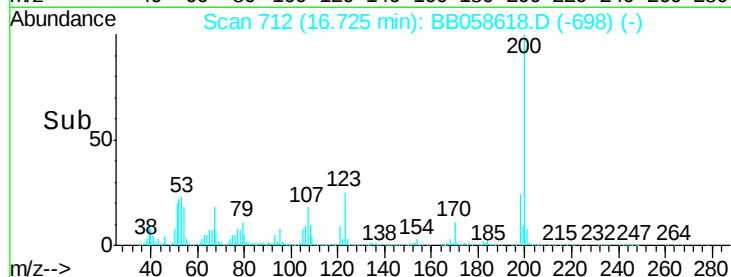
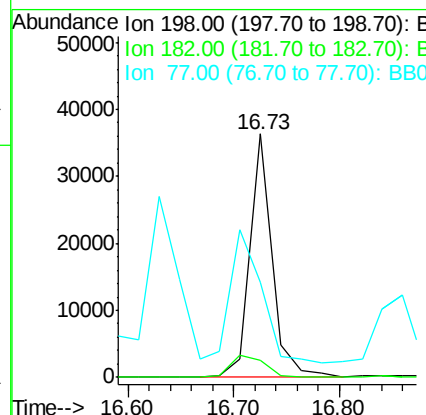
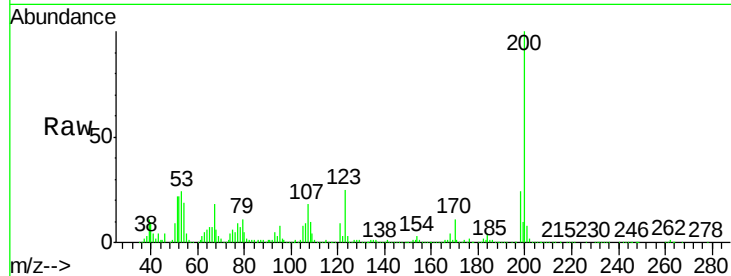
#63
4,6-Dinitro-2-methylphenol
Concen: 2.72 ng/ul m
RT: 16.73 min Scan# 712
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
182	6.8	3.3	4.9#
77	38.9	21.8	32.6#

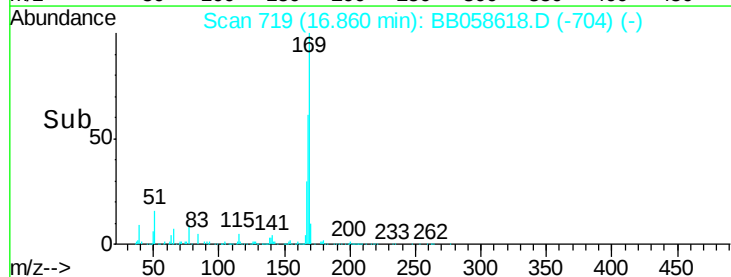
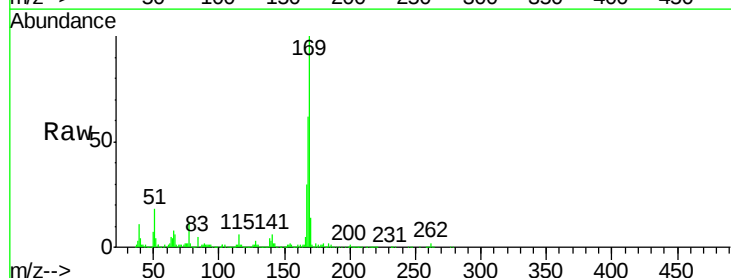
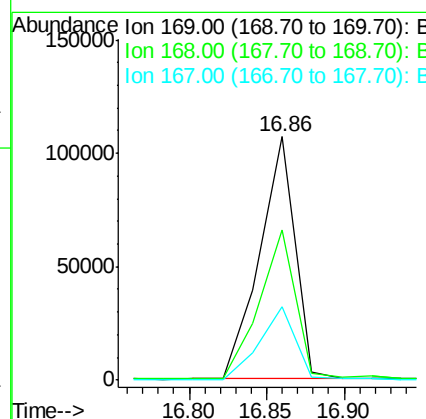
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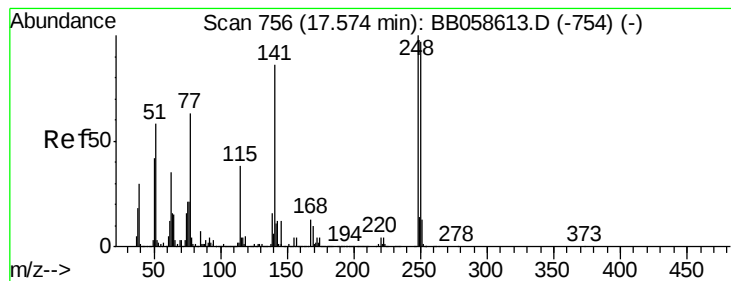
SOHIL
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#64
N-Nitrosodiphenylamine
Concen: 2.93 ng/ul
RT: 16.86 min Scan# 719
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	61.7	52.6	79.0
167	30.1	28.6	43.0





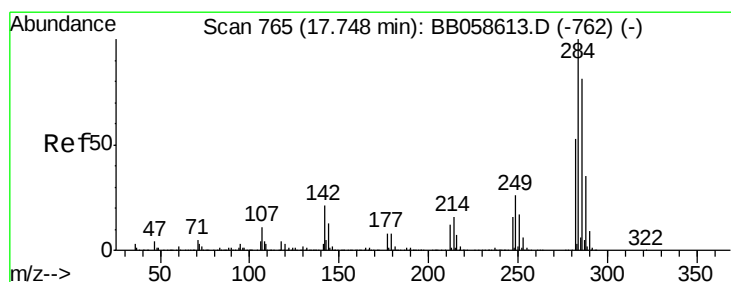
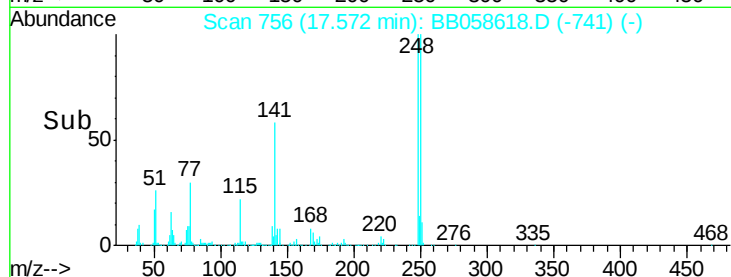
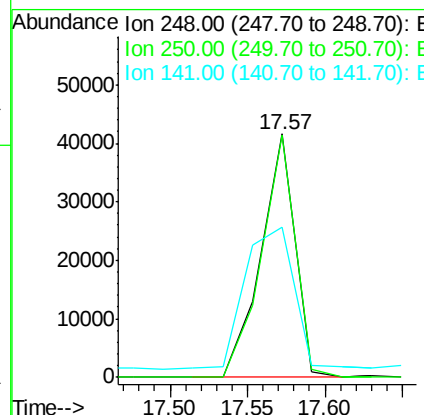
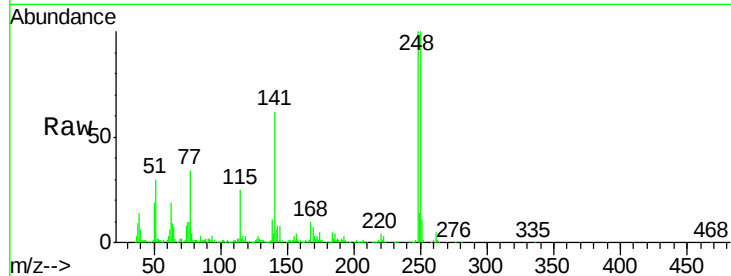
#65
4-Bromophenyl-phenylether
Concen: 2.75 ng/ul
RT: 17.57 min Scan# 756
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampled :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.8	79.7	119.5
141	61.6	58.3	87.5

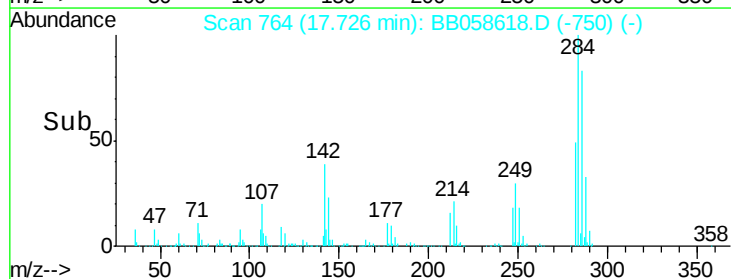
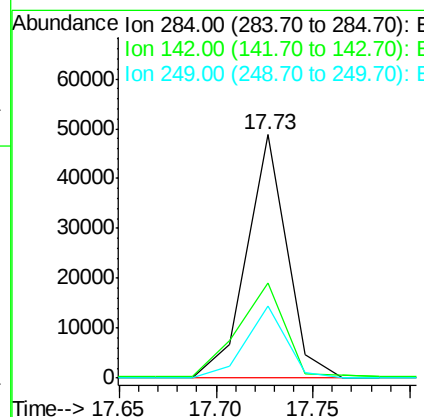
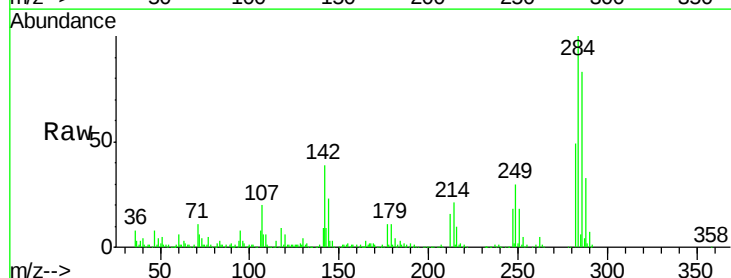
Manual Integrations
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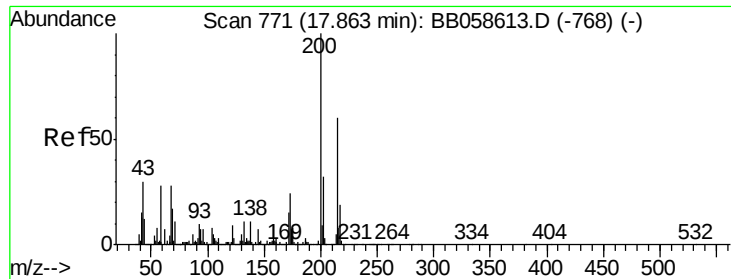
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#66
Hexachlorobenzene
Concen: 2.96 ng/ul
RT: 17.73 min Scan# 764
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.9	24.9	37.3
249	28.2	25.5	38.3





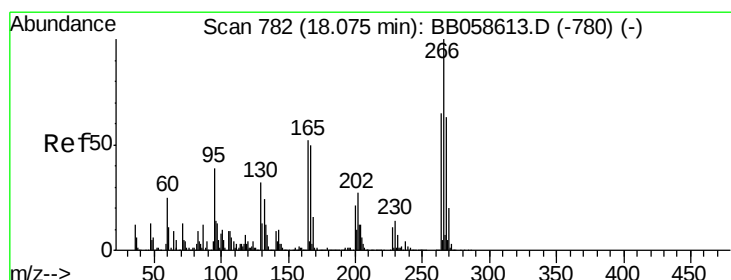
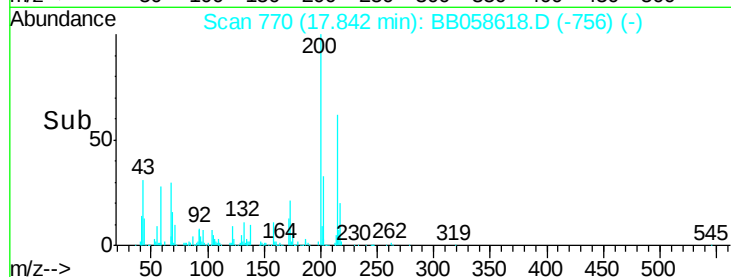
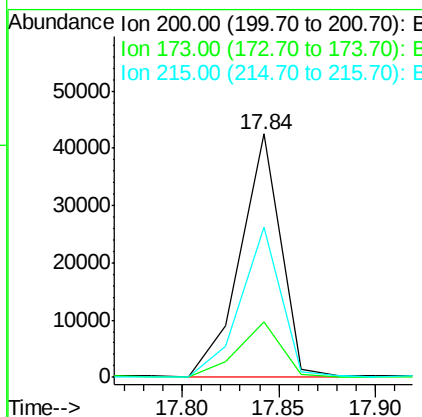
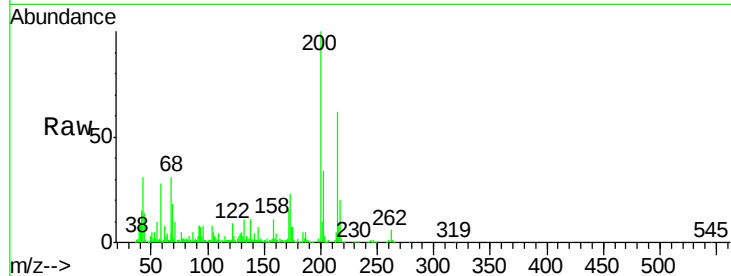
#67
Atrazine
Concen: 2.71 ng/ul
RT: 17.84 min Scan# 770
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	22.6	18.9	28.3
215	61.6	39.5	59.3

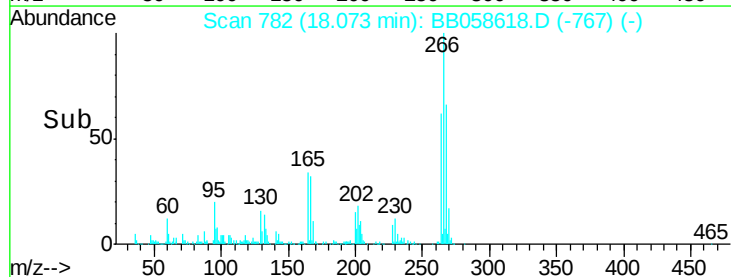
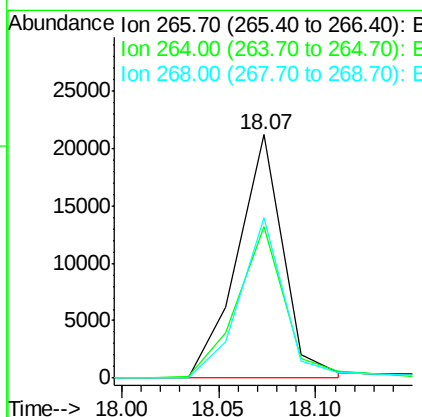
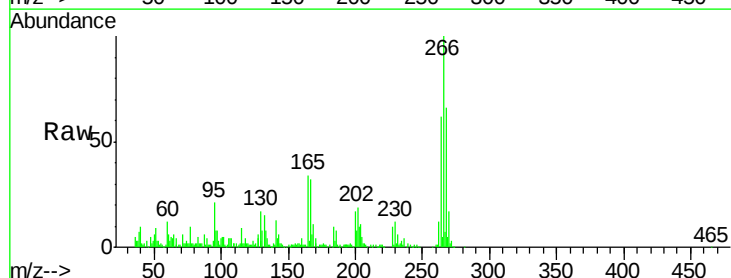
Manual Integrations
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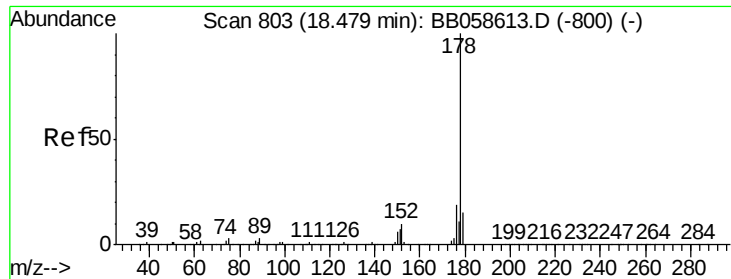
SOHIL
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#68
Pentachlorophenol
Concen: 2.07 ng/ul
RT: 18.07 min Scan# 782
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	62.1	50.6	75.8
268	65.8	51.0	76.6





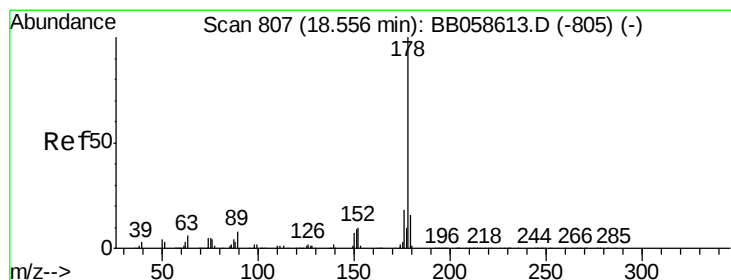
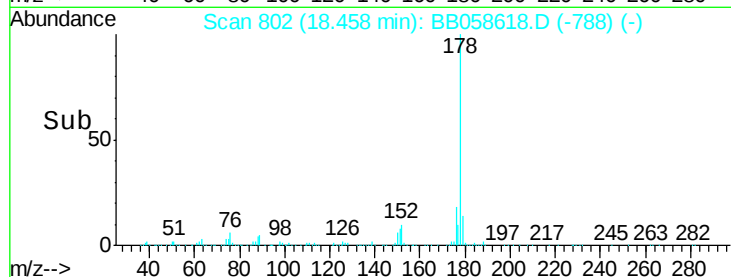
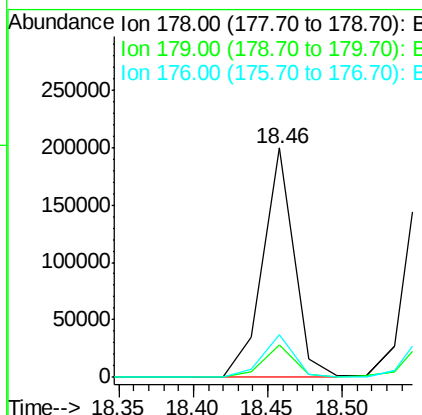
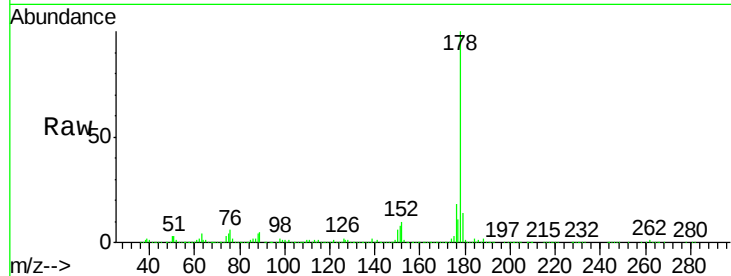
#69
Phenanthrene
Concen: 3.19 ng/ul m
RT: 18.46 min Scan# 802
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.2	12.2	18.2
176	18.4	15.1	22.7

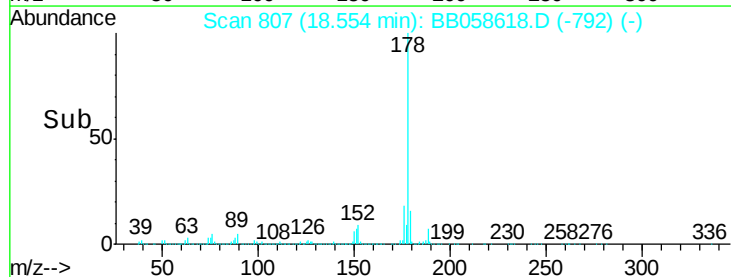
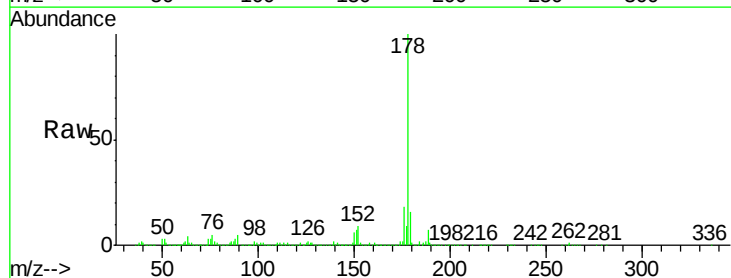
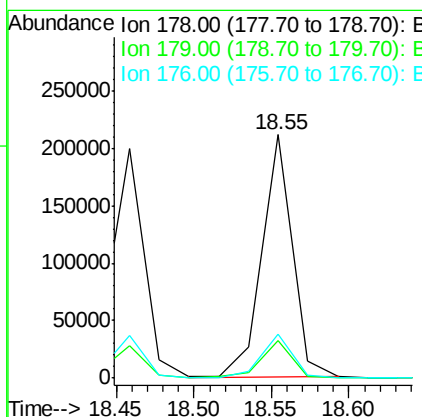
Manual Integrations
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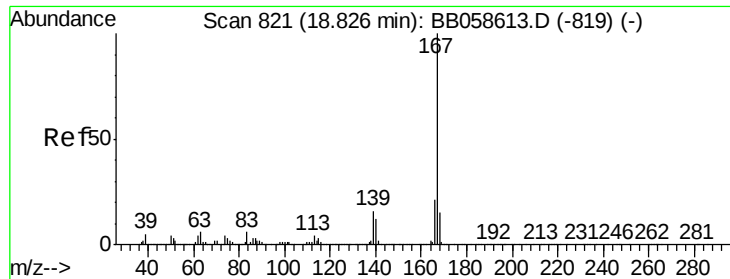
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#71
Anthracene
Concen: 3.11 ng/ul
RT: 18.55 min Scan# 807
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.3	14.5	21.7





#72

Carbazole

Concen: 3.16 ng/ul

RT: 18.82 min Scan# 821

Delta R.T. -0.00 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

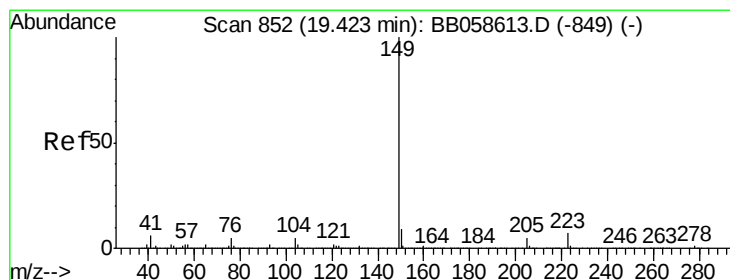
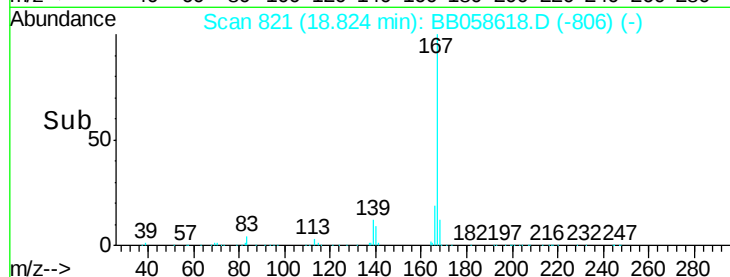
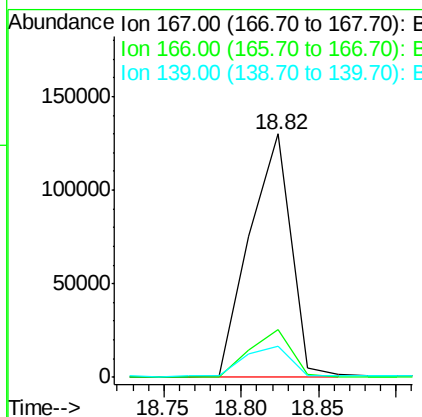
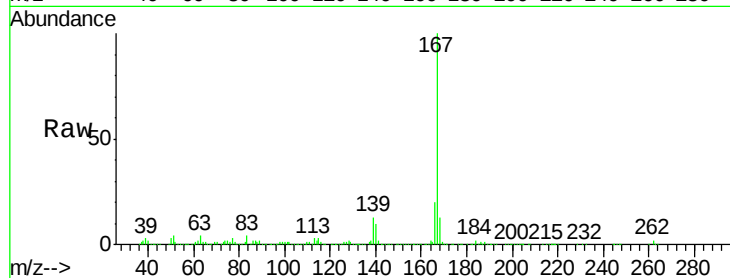
ClientSampleId :

MDL-04-W

Tgt Ion:	167	Resp:	245586
Ion Ratio		Lower	Upper
167	100		
166	19.6	16.6	25.0
139	12.9	10.2	15.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 3.58 ng/ul

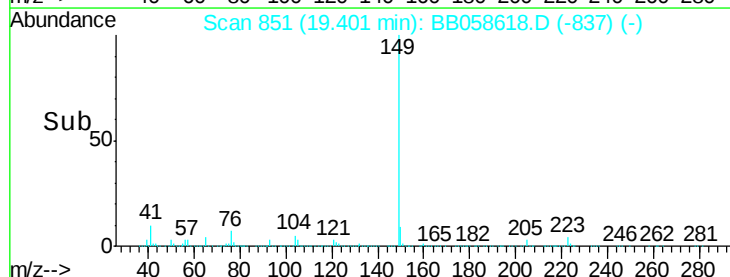
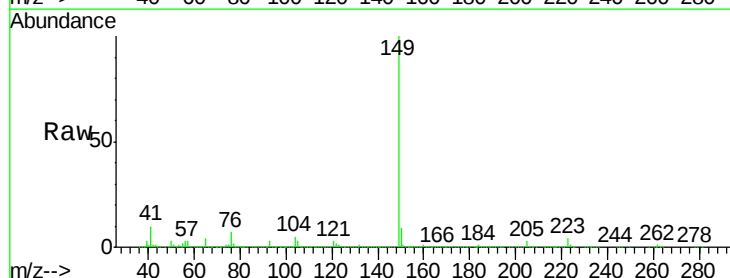
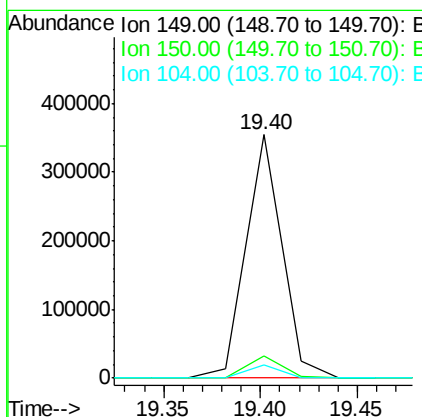
RT: 19.40 min Scan# 851

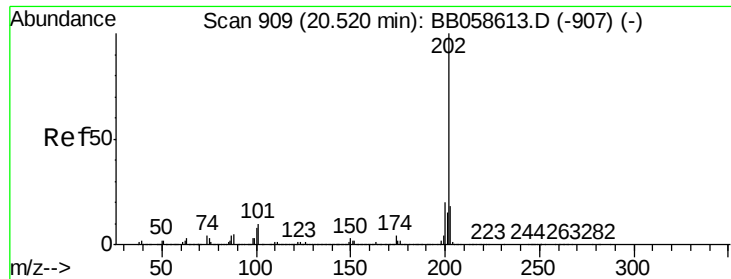
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	149	Resp:	454878
Ion Ratio		Lower	Upper
149	100		
150	8.9	7.6	11.4
104	5.5	4.6	7.0





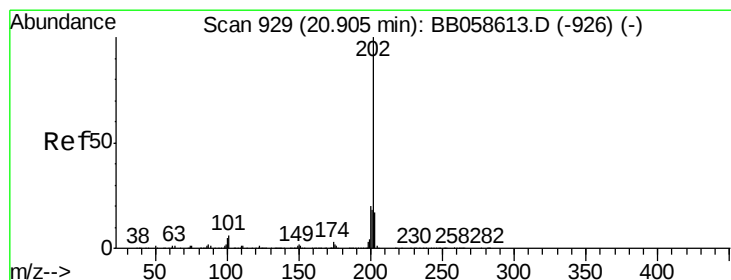
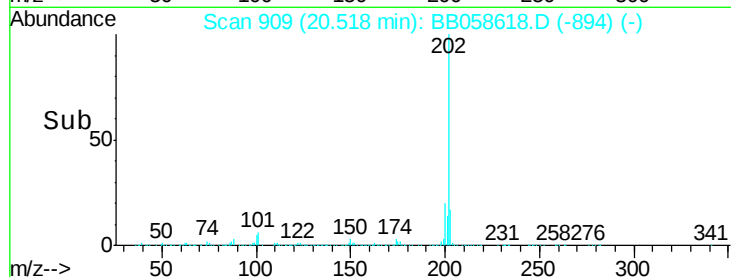
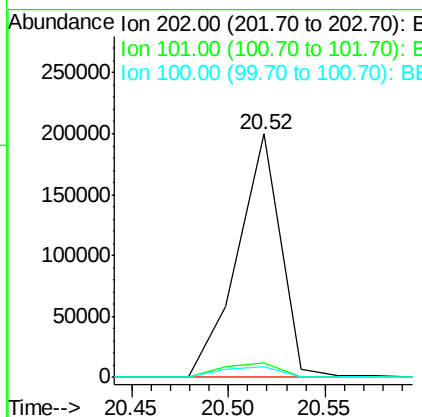
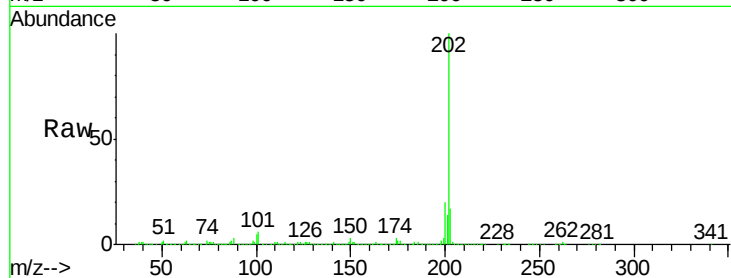
#74
Fluoranthene
Concen: 3.30 ng/ul
RT: 20.52 min Scan# 909
Delta R.T. -0.00 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	5.9	6.9	10.3#
100	4.6	5.4	8.0#

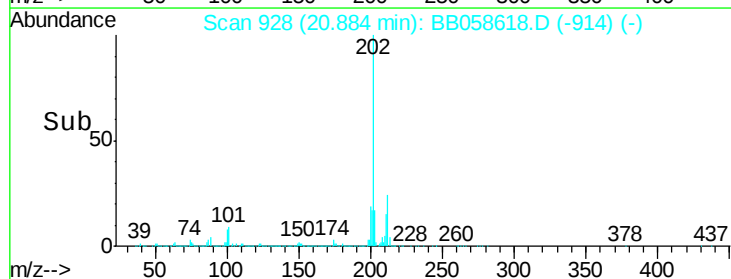
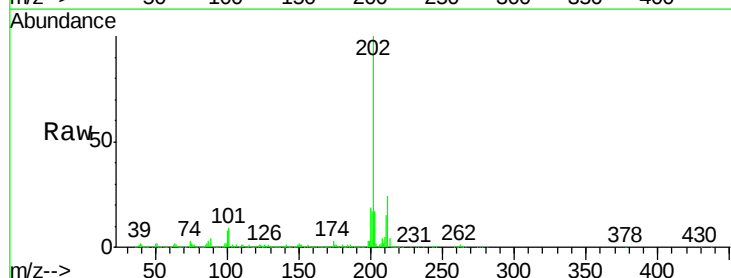
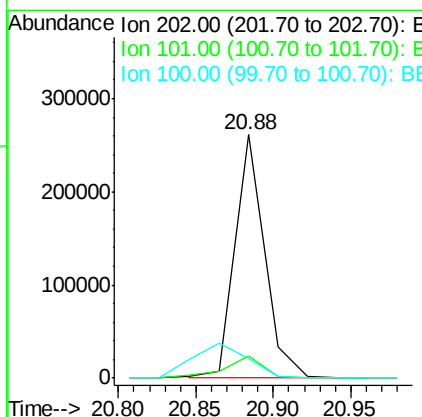
Manual Integrations
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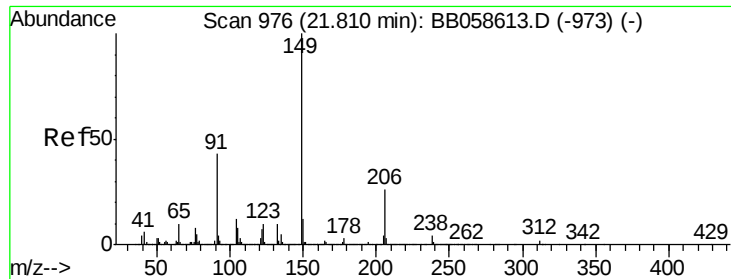
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#77
Pyrene
Concen: 3.49 ng/ul
RT: 20.88 min Scan# 928
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.3	8.4	12.6
100	8.3	6.9	10.3





#78

Butylbenzylphthalate

Concen: 3.12 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

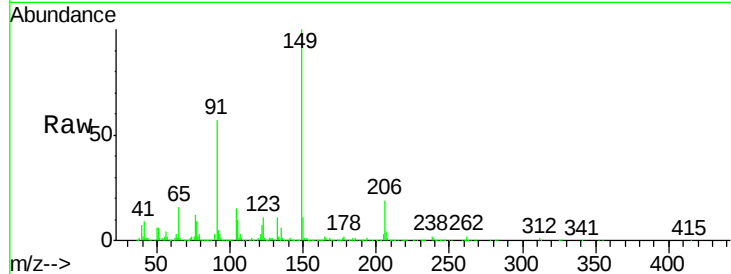
ClientSampleId :

MDL-04-W

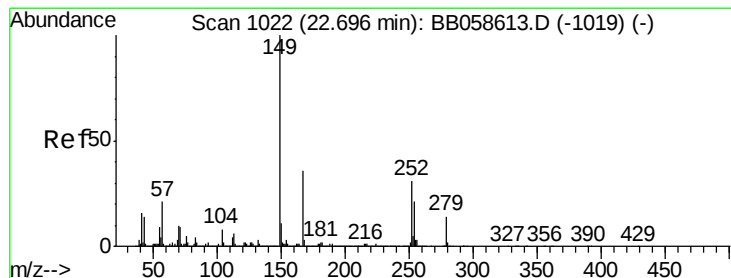
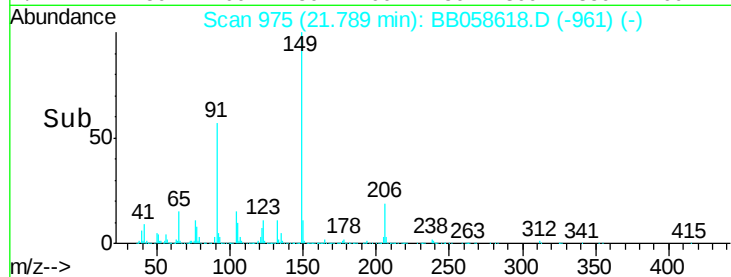
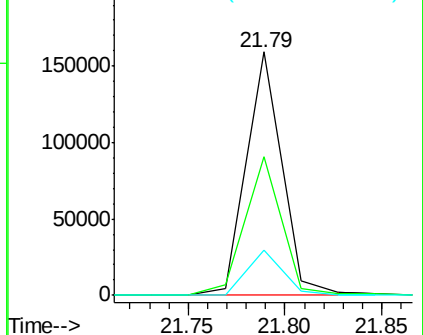
Tgt Ion:	149	Resp:	201257
Ion Ratio	Lower	Upper	
149	100		
91	56.8	57.3	85.9#
206	18.8	18.6	27.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BB0
Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 1.75 ng/ul

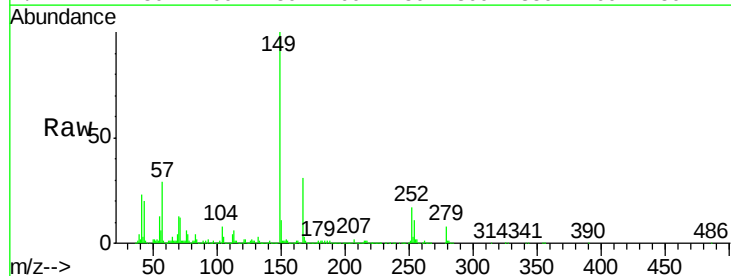
RT: 22.67 min Scan# 1021

Delta R.T. -0.02 min

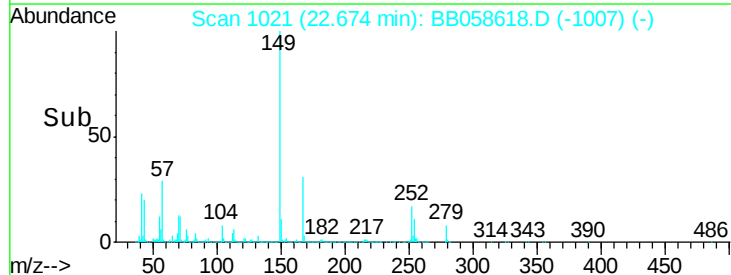
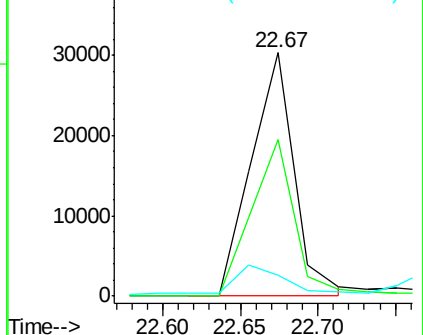
Lab File: BB058618.D

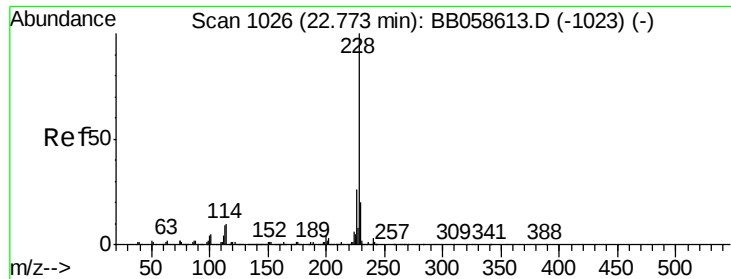
Acq: 12 Oct 2016 13:32

Tgt Ion:	252	Resp:	58753
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.0	76.4
126	8.6	7.1	10.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 3.12 ng/ul

RT: 22.75 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Instrument :

BNA_B

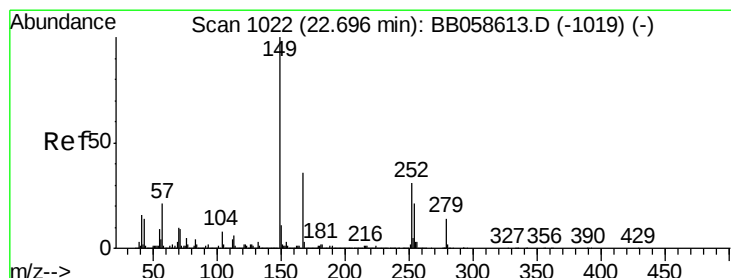
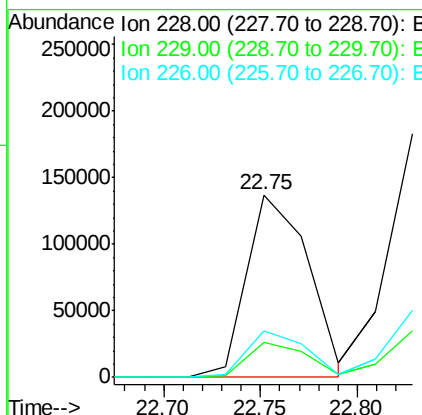
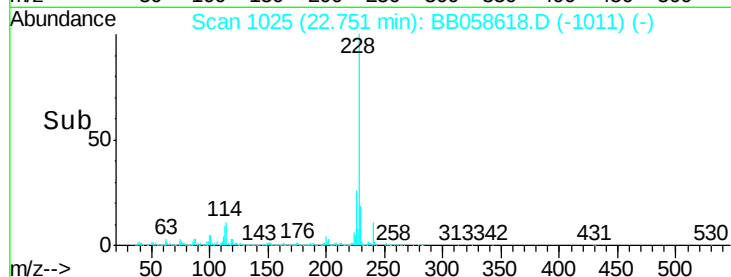
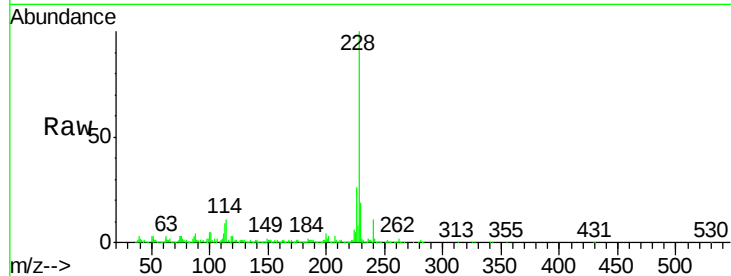
ClientSampled :

MDL-04-W

Tgt Ion:	228	Resp:	302057
Ion Ratio	Lower	Upper	
228	100		
229	19.5	15.6	23.4
226	25.8	21.8	32.8

Manual Integrations
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#81

Bis(2-ethylhexyl)phthalate

Concen: 3.00 ng/ul

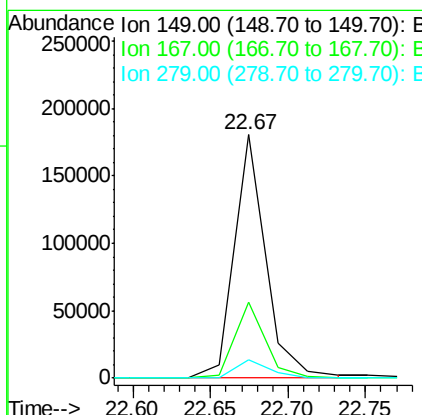
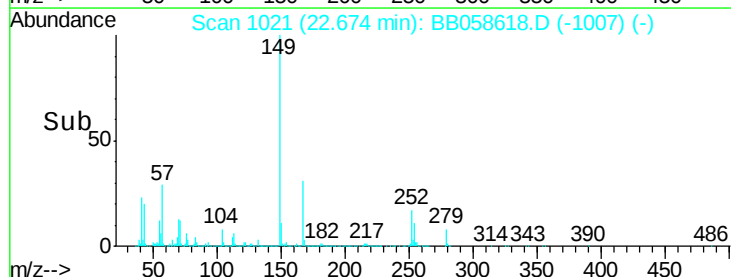
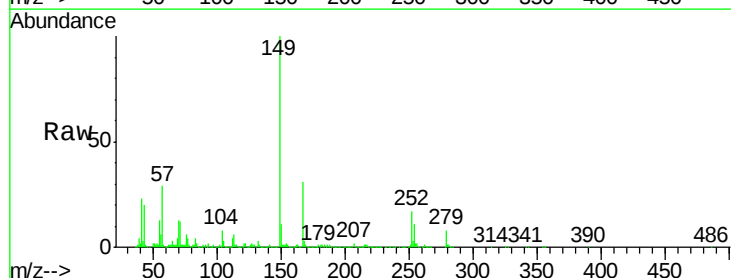
RT: 22.67 min Scan# 1021

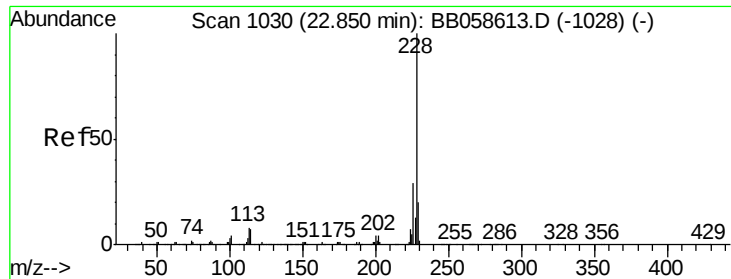
Delta R.T. -0.02 min

Lab File: BB058618.D

Acq: 12 Oct 2016 13:32

Tgt Ion:	149	Resp:	257429
Ion Ratio	Lower	Upper	
149	100		
167	31.2	23.2	34.8
279	7.6	4.1	6.1#





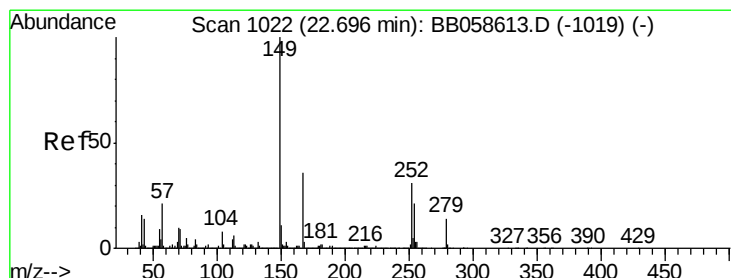
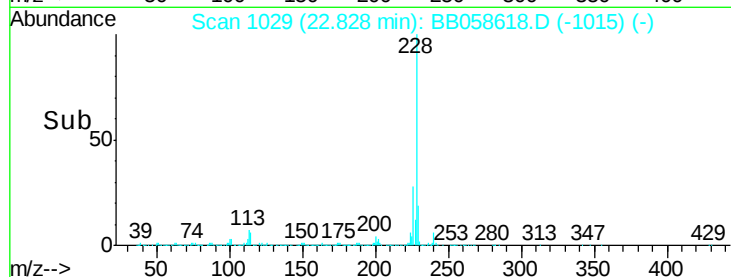
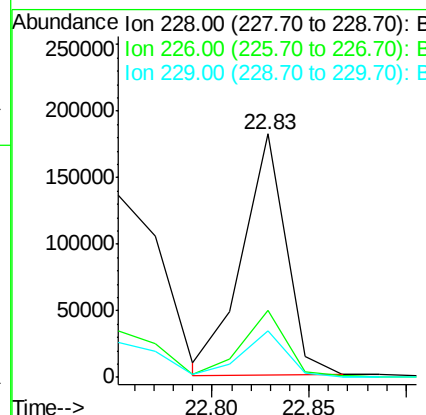
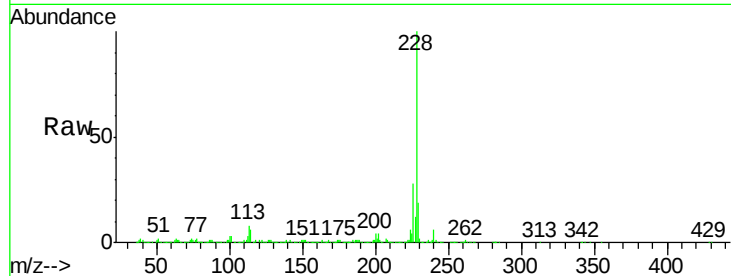
#82
Chrysene
Concen: 3.08 ng/ul
RT: 22.83 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampled :
MDL-04-W

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	280003		
226	27.7		23.4	35.2
229	18.9		15.5	23.3

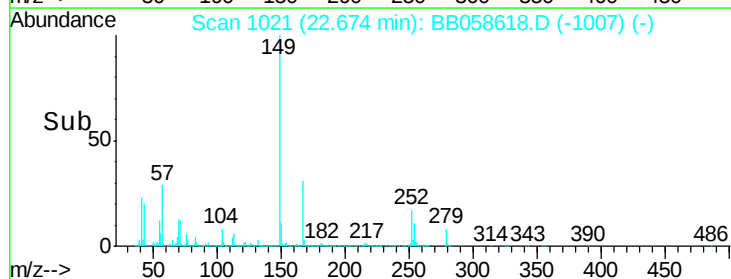
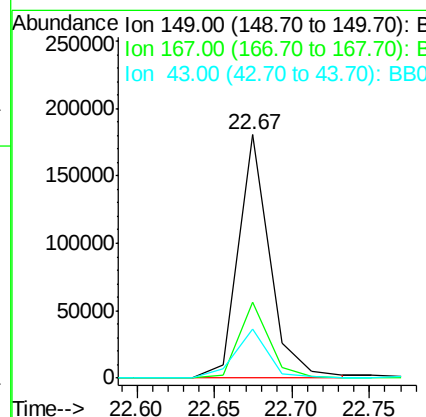
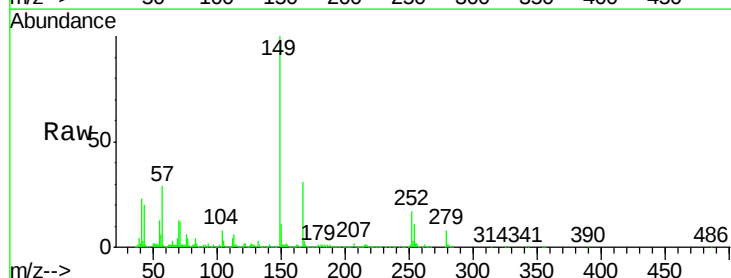
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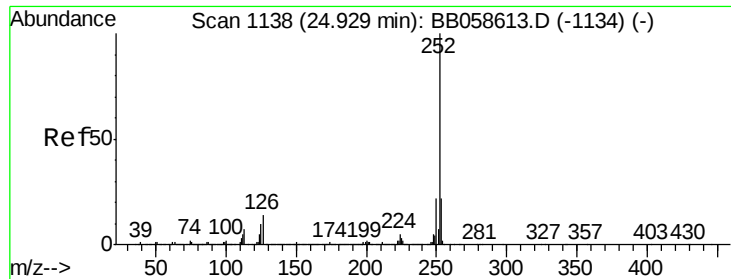
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#84
Di-n-octyl phthalate
Concen: 3.32 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	257429		
167	31.2		1.3	1.9#
43	20.4		6.6	10.0#





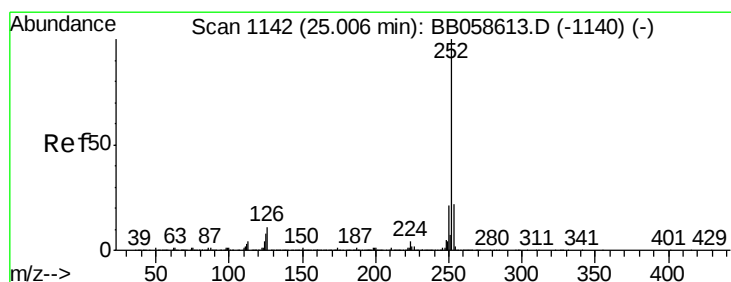
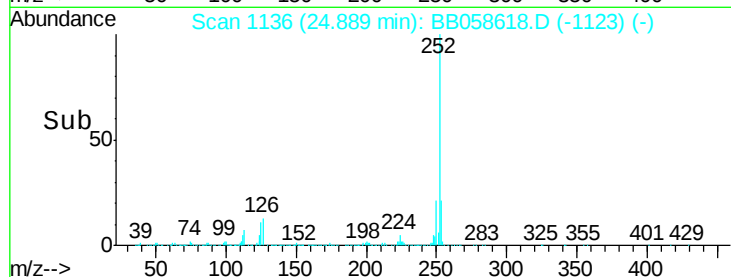
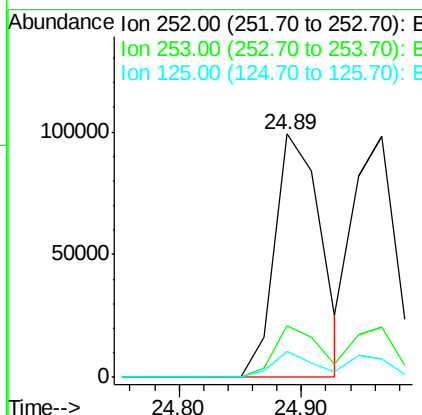
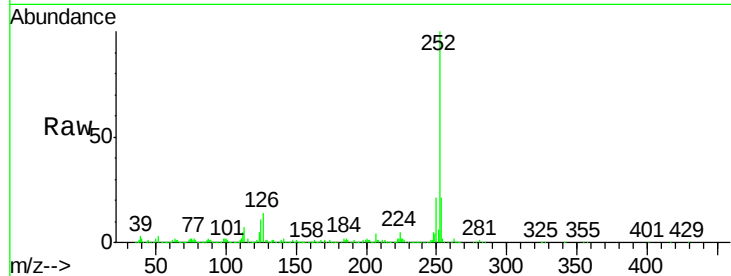
#85
Benzo(b)fluoranthene
Concen: 2.65 ng/ul m
RT: 24.89 min Scan# 1136
Delta R.T. -0.04 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.6	5.8	8.8#

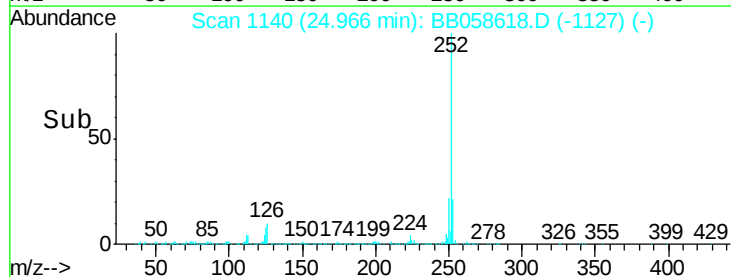
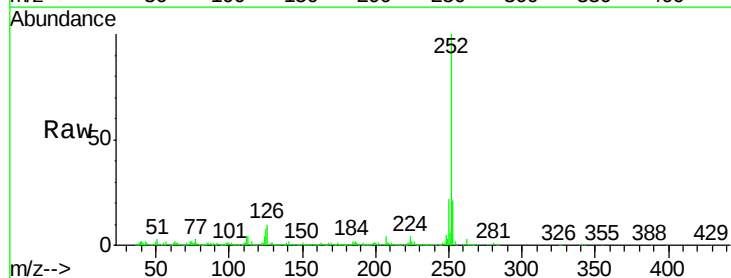
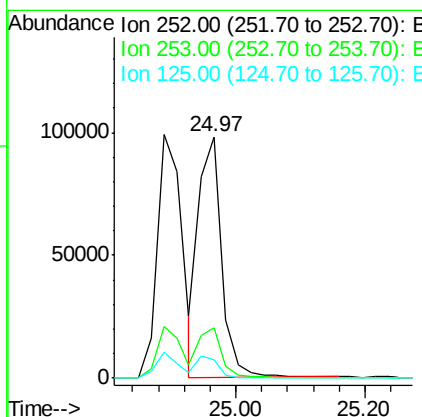
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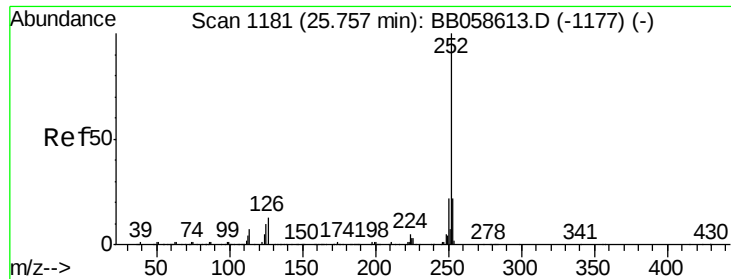
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#86
Benzo(k)fluoranthene
Concen: 3.23 ng/ul
RT: 24.97 min Scan# 1140
Delta R.T. -0.04 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	7.5	5.7	8.5





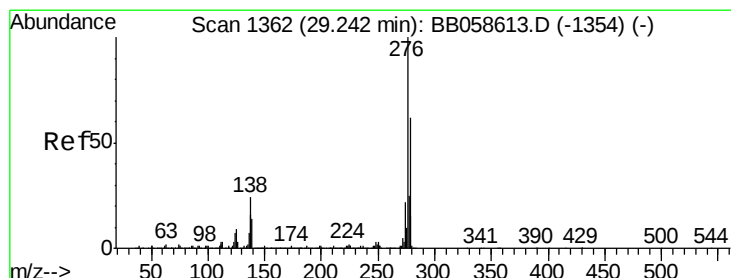
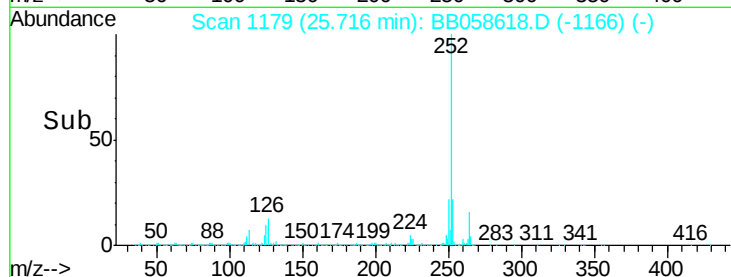
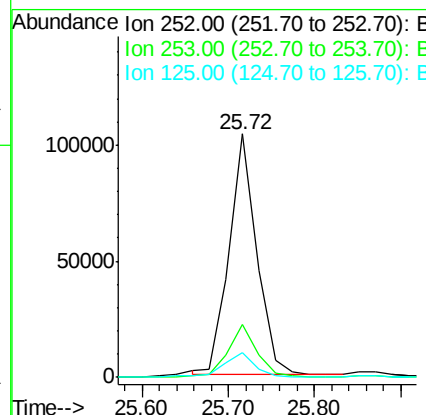
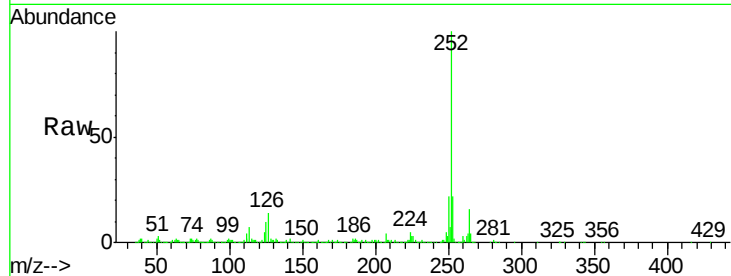
#88
Benzo(a)pyrene
Concen: 2.78 ng/ul
RT: 25.72 min Scan# 1179
Delta R.T. -0.04 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampled :
MDL-04-W

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.2	6.6	9.8#

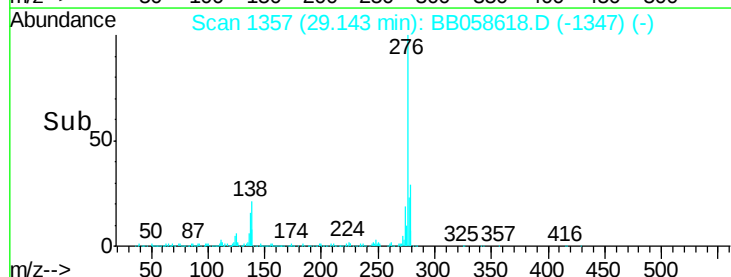
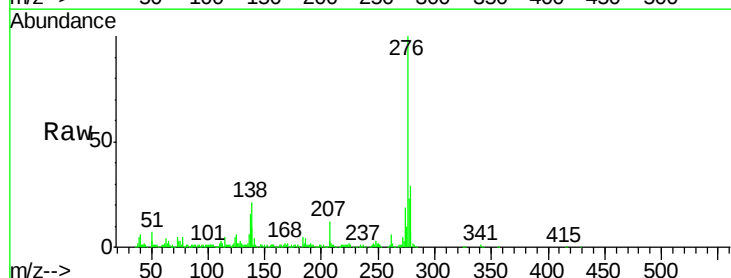
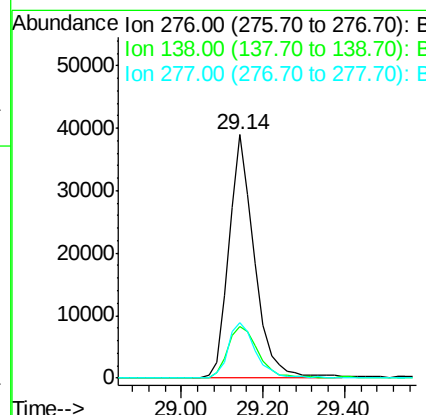
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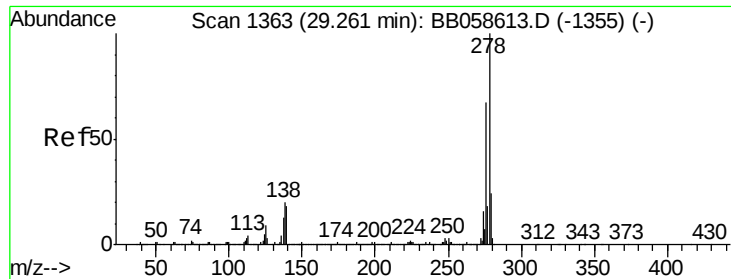
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.38 ng/ul
RT: 29.14 min Scan# 1357
Delta R.T. -0.10 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	21.3	13.9	20.9#
277	22.9	20.1	30.1





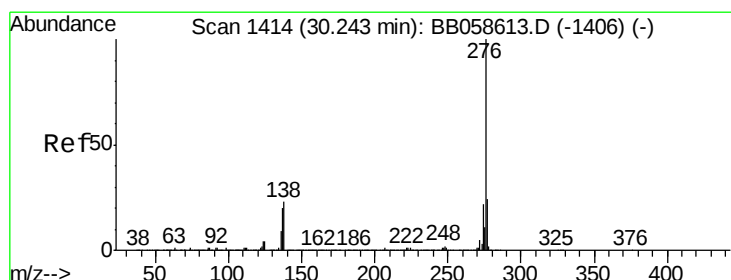
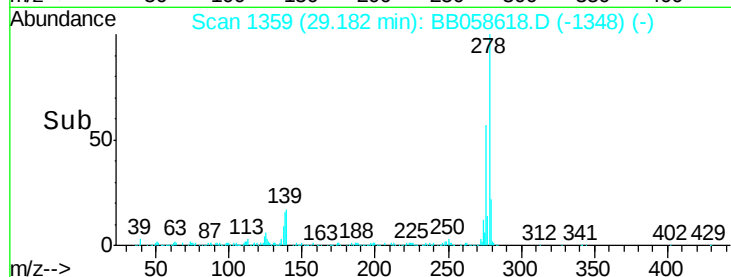
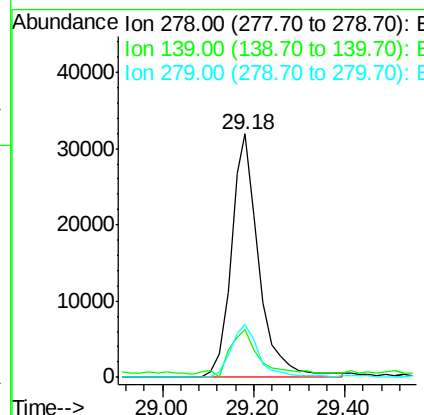
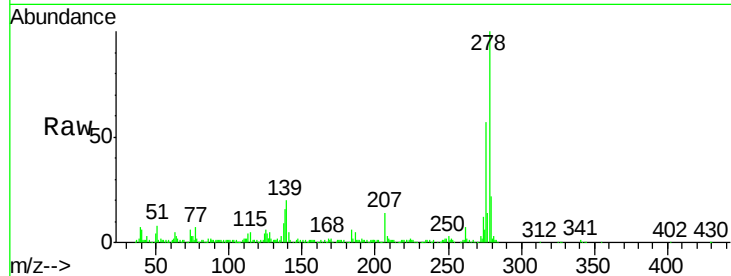
#90
Dibenzo(a,h)anthracene
Concen: 2.25 ng/ul
RT: 29.18 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Instrument :
BNA_B
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	9.5	14.3#
279	21.6	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.38 ng/ul
RT: 30.14 min Scan# 1409
Delta R.T. -0.10 min
Lab File: BB058618.D
Acq: 12 Oct 2016 13:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	13.5	20.3#
277	25.5	19.3	28.9

