

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081715\
 Data File : BG018449.D
 Acq On : 17 Aug 2015 12:20
 Operator : UM/MA
 Sample : MDL-04-S
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Manual Integrations
 APPROVED

MMDadoda
 8/18/2015 5:20:56 PM

Quant Time: Aug 18 02:13:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:30:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	96730	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	447529	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	299883	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.38	188	770708	20.00	ng/ul	0.00
78) Chrysene-d12	21.64	240	782889	20.00	ng/ul	0.00
86) Perylene-d12	24.84	264	767877	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	14403	6.58	ng/uL	0.00
5) Phenol-d5	7.17	99	309287	35.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	196811	36.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	229617	34.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	261929	35.51	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	126018	36.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.90	143	131694	37.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	256762	34.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	369530	43.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.05	166	931095	36.90	ng/ul	0.00
47) Acenaphthylene-d8	14.34	160	1106704	34.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	187485	41.31	ng/ul	0.00
58) Fluorene-d10	15.63	176	800322	36.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	143022	37.73	ng/ul	0.00
71) Anthracene-d10	17.48	188	1332253	36.14	ng/ul	0.00
79) Pyrene-d10	19.76	212	1450874	35.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.63	264	1519279	37.27	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.48	88	2052m	0.88	ng/ul
4) Benzaldehyde	7.15	77	19174	3.72	ng/ul 93
6) Phenol	7.20	94	26089	2.91	ng/ul# 85
8) Bis(2-Chloroethyl)ether	7.43	93	22513	3.27	ng/ul 94
10) 2-Chlorophenol	7.58	128	19619	2.86	ng/ul 93
11) 2-Methylphenol	8.45	108	20173	2.91	ng/ul 94
12) 2,2'-oxybis(1-Chloropropan	8.55	45	29454	2.66	ng/ul# 95
14) Acetophenone	8.83	105	34242	3.21	ng/ul 90
15) N-Nitroso-di-n-propylamine	8.81	70	18970	3.10	ng/ul# 81
16) 4-Methylphenol	8.78	108	21557	2.84	ng/ul 93
17) Hexachloroethane	9.10	117	8514	2.88	ng/ul 93
20) Nitrobenzene	9.21	77	25760	2.93	ng/ul# 95
21) Isophorone	9.73	82	56926	3.36	ng/ul 98
23) 2-Nitrophenol	9.93	139	12053	3.06	ng/ul 98
24) 2,4-Dimethylphenol	9.99	107	24524	2.77	ng/ul 96
25) Bis(2-Chloroethoxy)methane	10.22	93	31870	3.02	ng/ul 96
27) 2,4-Dichlorophenol	10.46	162	21059	2.98	ng/ul 88
28) Naphthalene	10.87	128	71272	3.01	ng/ul 97
30) 4-Chloroaniline	10.97	127	32459	3.74	ng/ul 100
31) Hexachlorobutadiene	11.16	225	12427	2.79	ng/ul# 83
32) Caprolactam	11.75	113	9240m	3.25	ng/ul
33) 4-Chloro-3-methylphenol	12.09	107	26928	3.29	ng/ul 91
34) 2-Methylnaphthalene	12.47	142	54783	3.20	ng/ul 90

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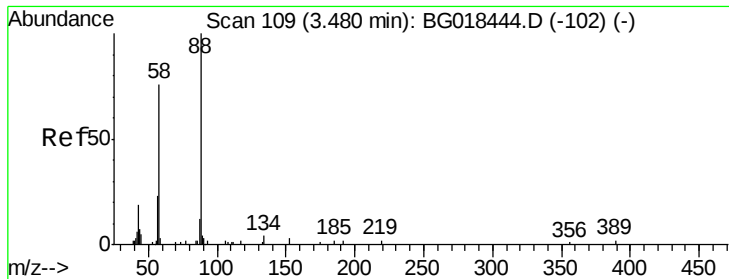
Manual Integrations
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Quant Time: Aug 18 02:13:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,2,4,5-Tetrachlorobenzene	12.84	216	27060	2.81	ng/ul#	86
38) Hexachlorocyclopentadiene	12.82	237	14624	2.55	ng/ul	87
39) 2,4,6-Trichlorophenol	13.07	196	17421	2.66	ng/ul	93
40) 2,4,5-Trichlorophenol	13.15	196	19890m	2.82	ng/ul	
41) 1,1'-Biphenyl	13.48	154	71767	2.87	ng/ul	97
42) 2-Chloronaphthalene	13.52	162	57036	2.93	ng/ul	95
43) 2-Nitroaniline	13.72	65	19462	3.10	ng/ul	86
45) Dimethylphthalate	14.09	163	76436	3.07	ng/ul	100
46) 2,6-Dinitrotoluene	14.21	165	14689	2.96	ng/ul#	96
48) Acenaphthylene	14.36	152	99118	3.11	ng/ul	97
49) 3-Nitroaniline	14.53	138	17088	3.38	ng/ul	94
50) Acenaphthene	14.71	153	66526	2.98	ng/ul	91
51) 2,4-Dinitrophenol	14.74	184	4864	2.01	ng/ul#	82
53) 4-Nitrophenol	14.85	109	11924	3.02	ng/ul#	83
54) Dibenzofuran	15.04	168	98415	3.37	ng/ul	97
55) 2,4-Dinitrotoluene	14.99	165	23060	3.26	ng/ul#	82
56) 2,3,4,6-Tetrachlorophenol	15.27	232	17836	2.91	ng/ul	99
57) Diethylphthalate	15.46	149	88749	3.36	ng/ul#	93
59) Fluorene	15.69	166	84722	3.37	ng/ul	95
60) 4-Chlorophenyl-phenylether	15.68	204	36309	3.05	ng/ul	96
61) 4-Nitroaniline	15.69	138	19861	3.56	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.76	198	14498	3.59	ng/ul#	88
65) N-Nitrosodiphenylamine	15.89	169	70989	3.06	ng/ul	93
66) 4-Bromophenyl-phenylether	16.57	248	25262	3.03	ng/ul	91
67) Hexachlorobenzene	16.70	284	27408	3.11	ng/ul#	89
68) Atrazine	16.83	200	28510	3.28	ng/ul	92
69) Pentachlorophenol	17.03	266	13074	2.21	ng/ul#	86
70) Phenanthrene	17.43	178	142647	3.41	ng/ul	95
72) Anthracene	17.52	178	143823	3.38	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.44	216	25841	2.42	ng/uL	95
74) Pentachlorobenzene	14.96	250	26822	2.63	ng/uL	92
75) Carbazole	17.78	167	133397	3.57	ng/ul	96
76) Di-n-butylphthalate	18.35	149	169073	3.46	ng/ul	98
77) Fluoranthene	19.43	202	172396	3.86	ng/ul	97
80) Pyrene	19.79	202	173956	3.29	ng/ul	99
81) Butylbenzylphthalate	20.68	149	71396	3.19	ng/ul	97
82) 3,3'-Dichlorobenzidine	21.54	252	56058	3.45	ng/ul	96
83) Benzo(a)anthracene	21.63	228	157831	3.25	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.54	149	103613	3.28	ng/ul	99
85) Chrysene	21.69	228	148922	3.28	ng/ul	96
87) Di-n-octyl phthalate	22.75	149	175646	3.55	ng/ul	100
88) Benzo(b)fluoranthene	23.82	252	155546	3.22	ng/ul	97
89) Benzo(k)fluoranthene	23.89	252	148754	3.20	ng/ul	98
91) Benzo(a)pyrene	24.69	252	142808	3.11	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.47	276	168189m	3.17	ng/ul	
93) Dibenzo(a,h)anthracene	28.54	278	135314	3.07	ng/ul#	93
94) Benzo(g,h,i)perylene	29.61	276	138070m	3.10	ng/ul	

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



#2

1,4-Dioxane

Concen: 0.88 ng/uL m

RT: 3.48 min Scan# 110

Delta R.T. 0.00 min

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BNA_G

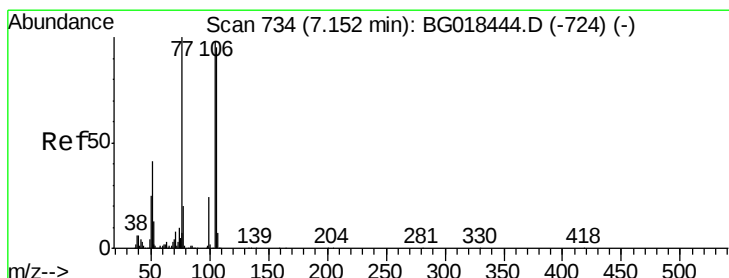
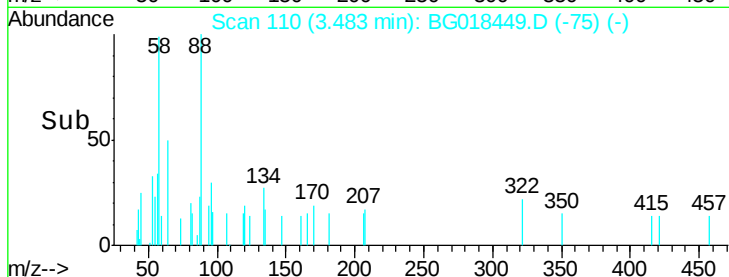
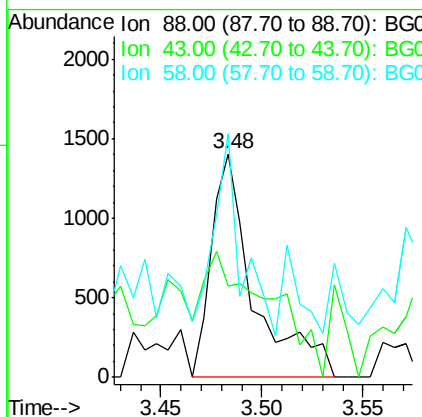
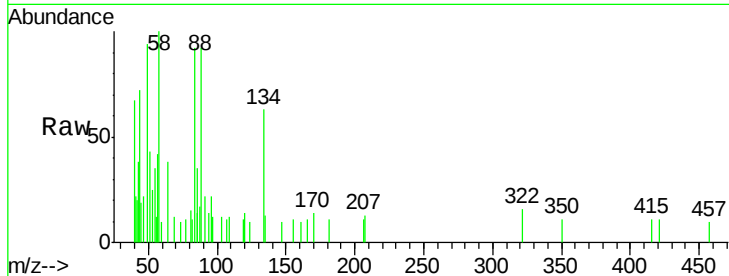
ClientSampleId :

MDL-04-S

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Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.1	33.0	49.4
58	109.1	73.4	110.0



#4

Benzaldehyde

Concen: 3.72 ng/uL

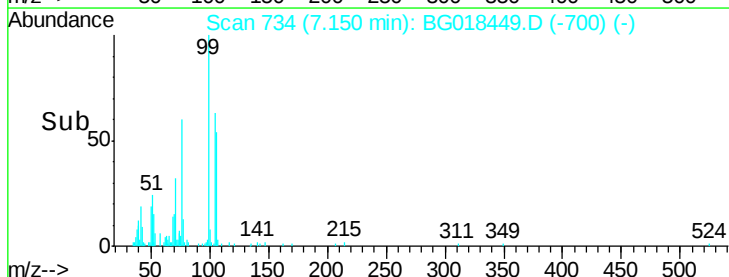
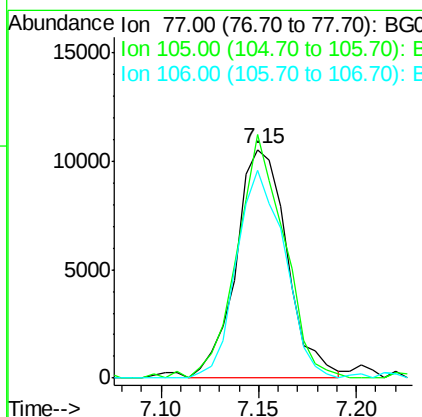
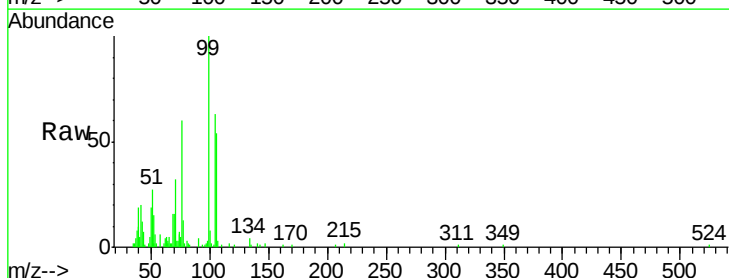
RT: 7.15 min Scan# 734

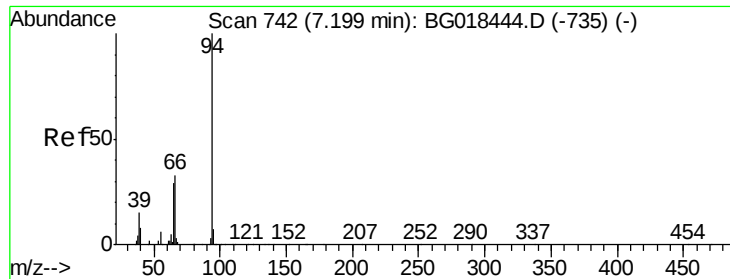
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
77	100		
105	106.5	78.2	117.2
106	91.0	76.8	115.2





#6

Phenol

Concen: 2.91 ng/ul

RT: 7.20 min Scan# 743

Delta R.T. 0.00 min

Lab File: BG018449.D

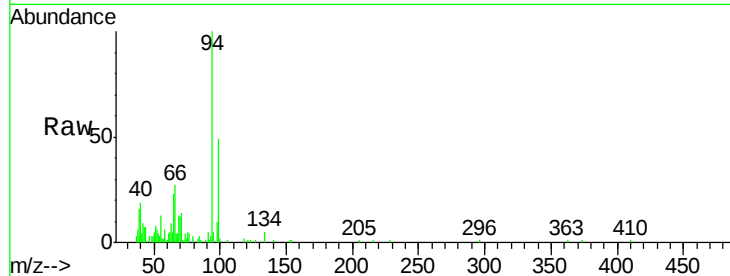
Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

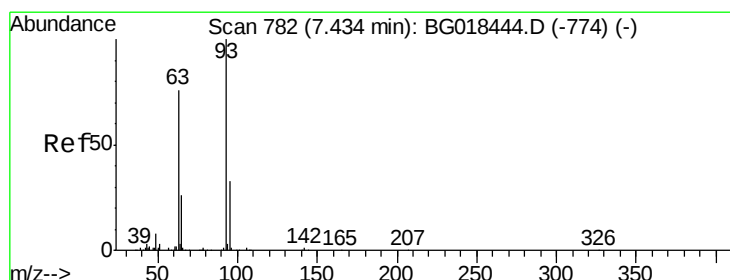
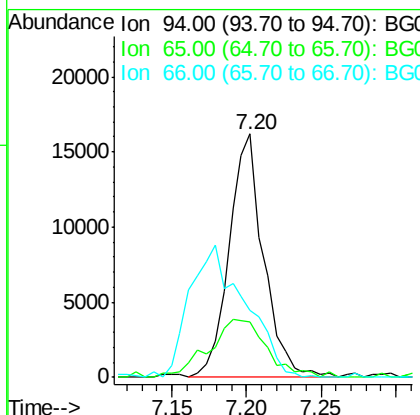
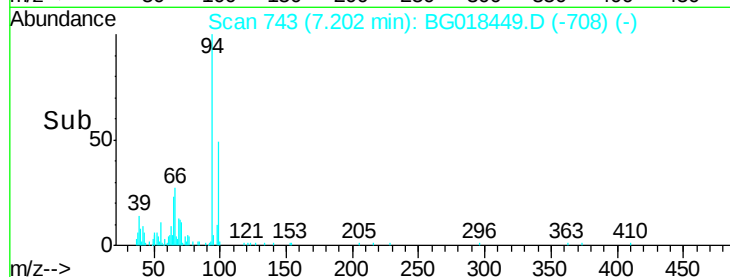
MDL-04-S



Tgt Ion	Ratio	Lower	Upper
94	100		
65	23.0	23.0	34.6#
66	27.3	31.0	46.4#

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#8

Bis(2-Chloroethyl)ether

Concen: 3.27 ng/ul

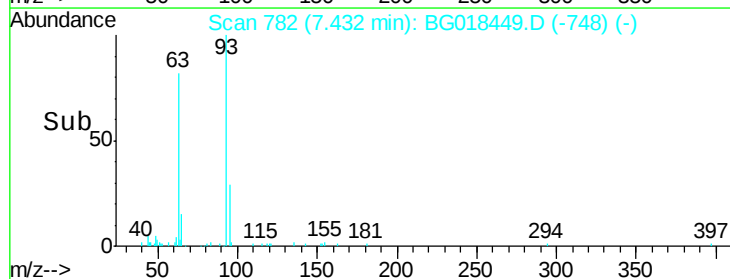
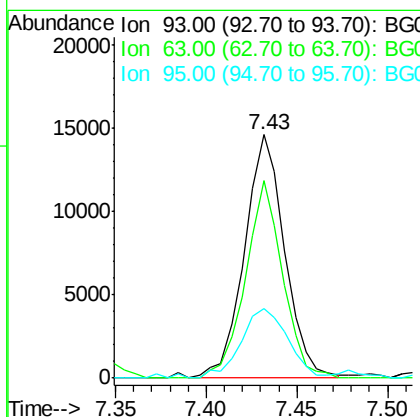
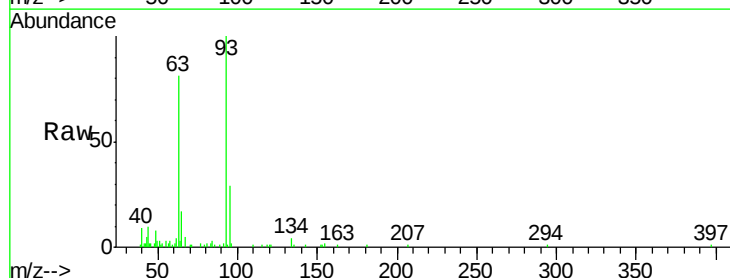
RT: 7.43 min Scan# 782

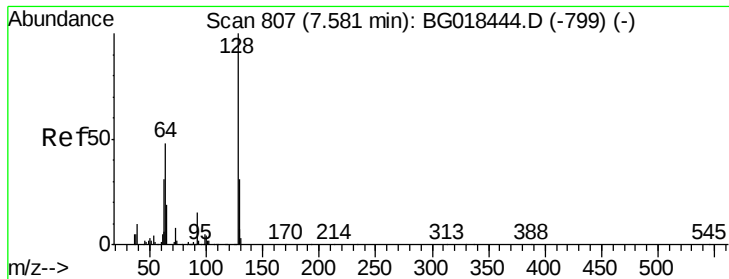
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
63	81.2	61.4	92.2
95	28.7	25.9	38.9





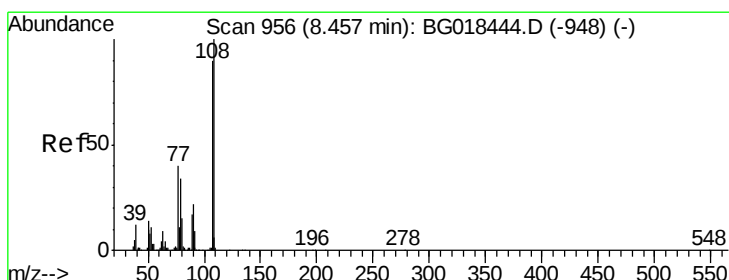
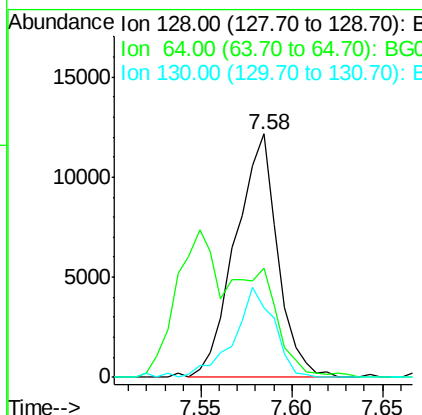
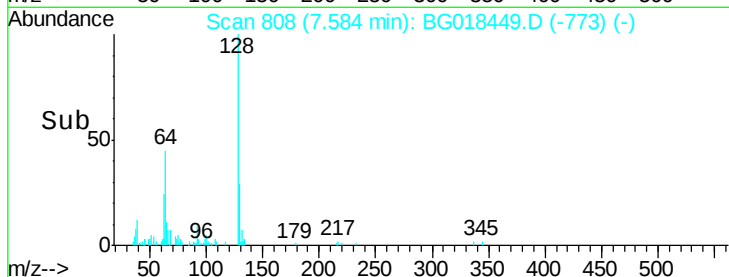
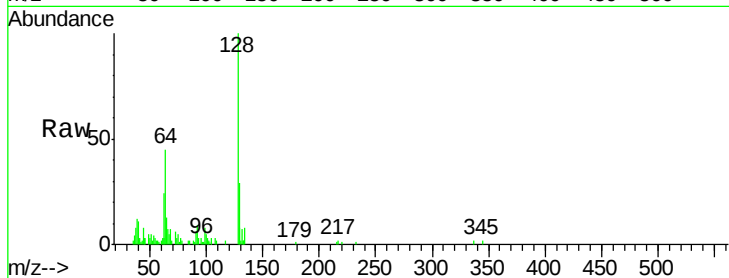
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2-Chlorophenol
Concen: 2.86 ng/ul
RT: 7.58 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	19619		
64	45.0	40.9	61.3	
130	28.6	24.5	36.7	

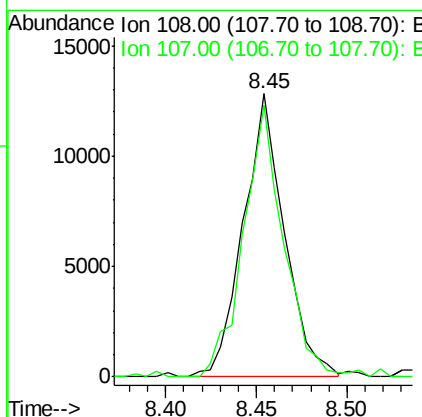
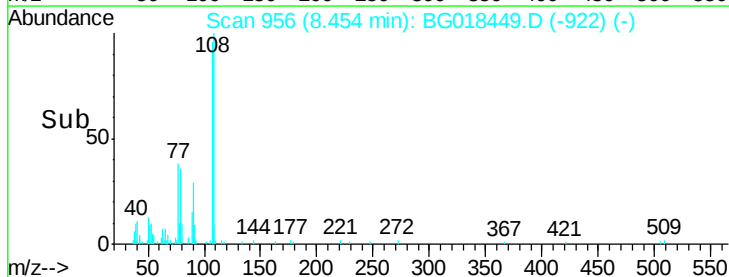
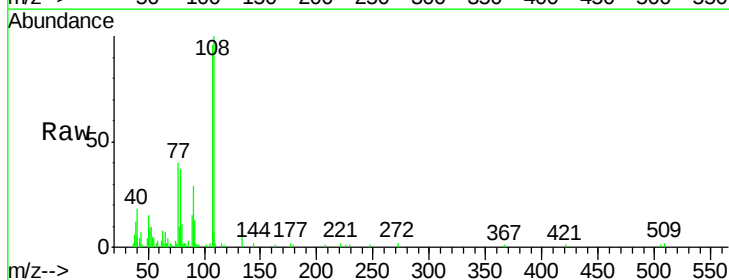
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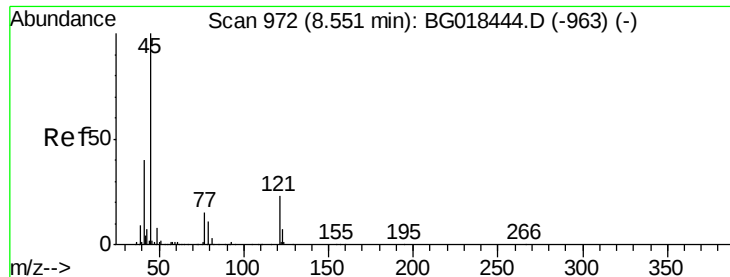
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#11
2-Methylphenol
Concen: 2.91 ng/ul
RT: 8.45 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG018449.D
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Tgt Ion	Ratio	Resp	Lower	Upper
108	100	20173		
107	95.9	72.1	108.1	





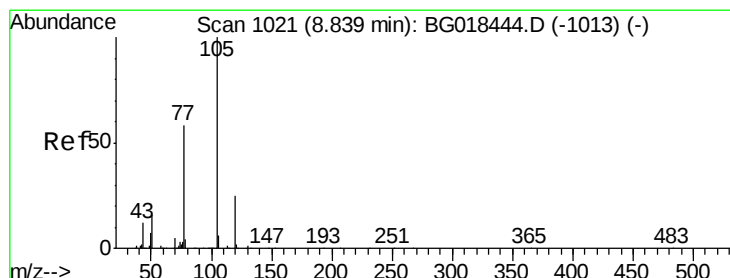
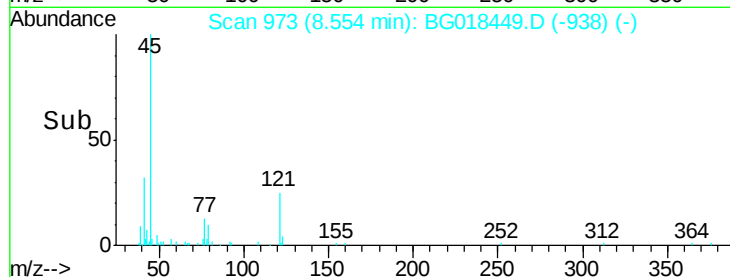
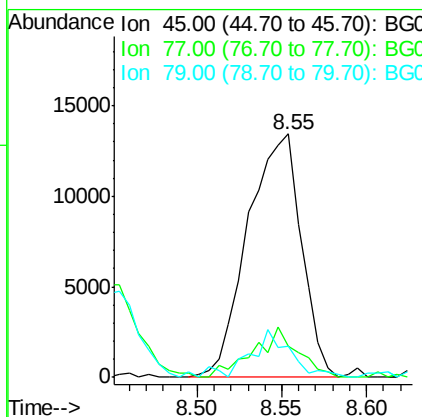
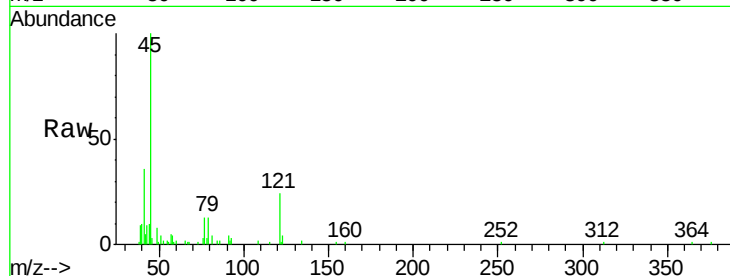
#12
2,2'-oxybis(1-chloropropane)
Concen: 2.66 ng/ul
RT: 8.55 min Scan# 973
Delta R.T. 0.00 min
Lab File: BG018449.D
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.7	11.3	16.9
79	12.7	7.8	11.8

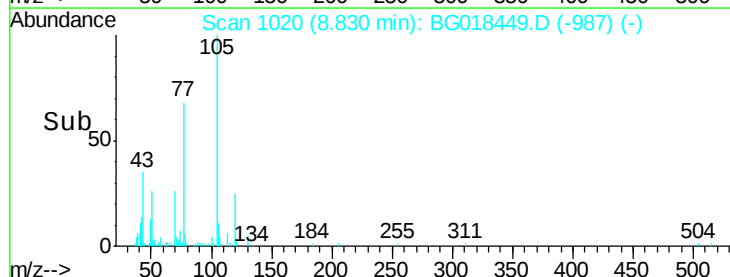
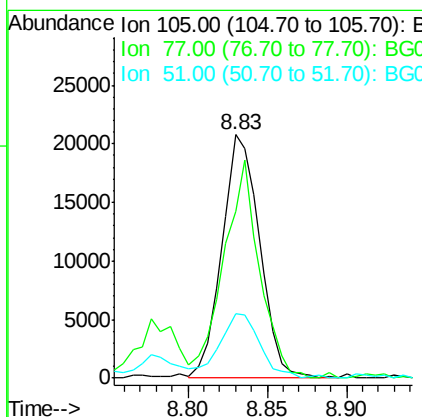
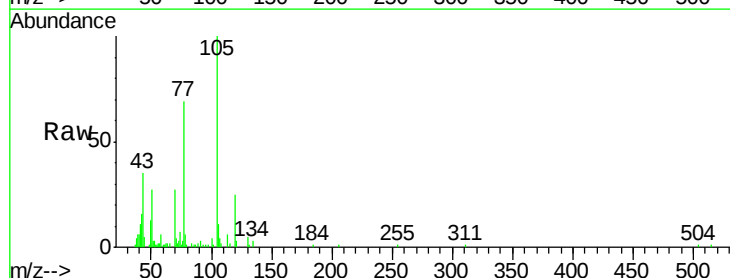
Manual Integrations
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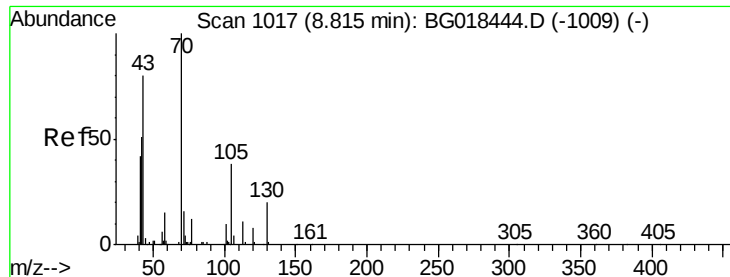
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#14
Acetophenone
Concen: 3.21 ng/ul
RT: 8.83 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
77	68.5	61.9	92.9
51	26.7	25.5	38.3





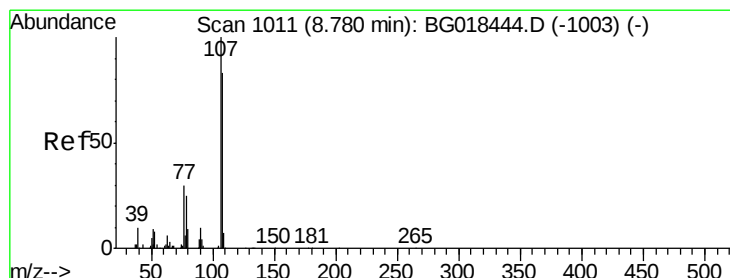
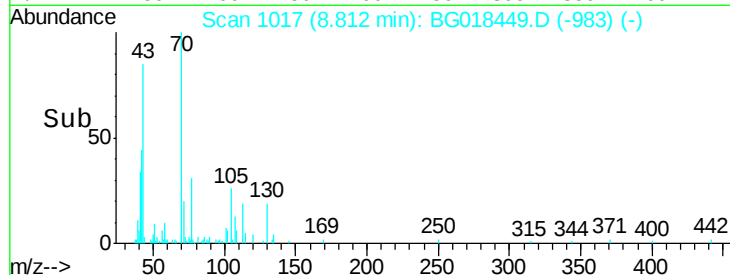
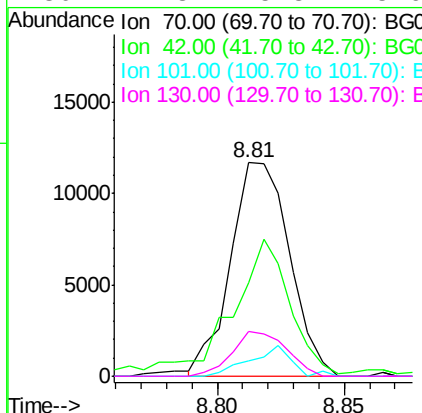
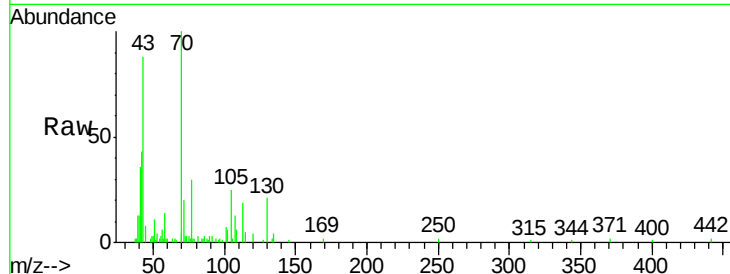
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N-Nitroso-di-n-propylamine
Concen: 3.10 ng/ul
RT: 8.81 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
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Tgt Ion	Ratio	Lower	Upper
70	100		
42	43.5	50.7	76.1#
101	7.3	7.4	11.2#
130	21.3	15.8	23.6

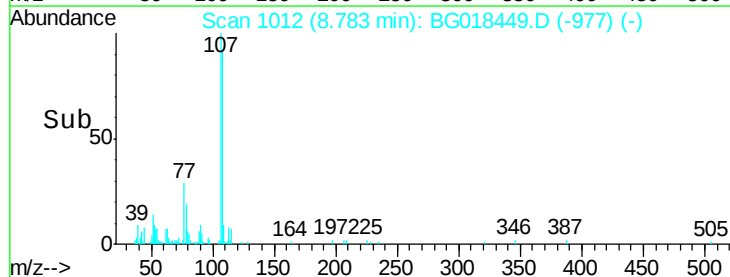
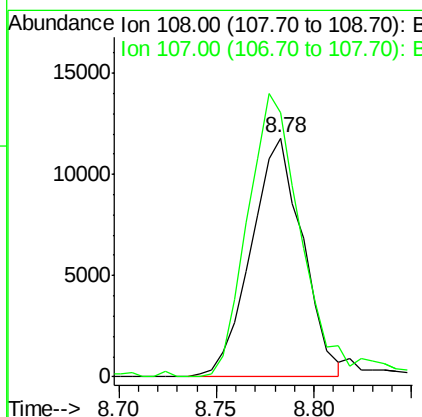
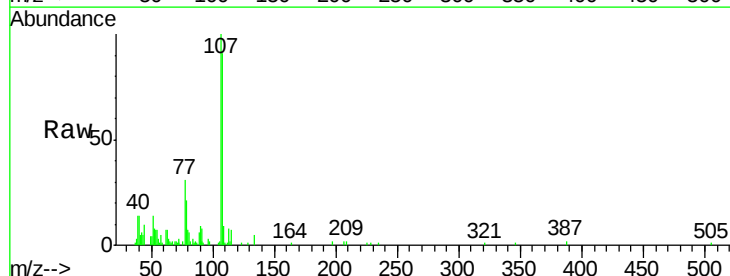
Manual Integrations
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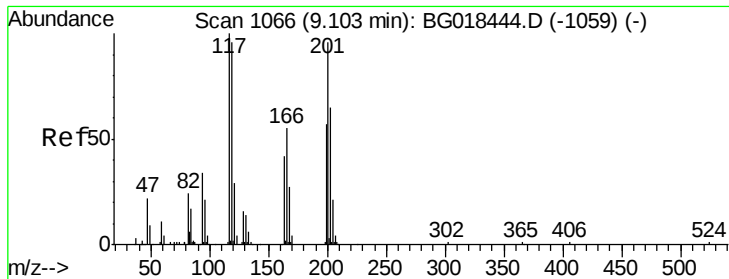
MMDadoda
8/18/2015 5:20:56 PM



#16
4-Methylphenol
Concen: 2.84 ng/ul
RT: 8.78 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
108	100		
107	110.3	94.6	142.0





#17

Hexachloroethane

Concen: 2.88 ng/ul

RT: 9.10 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BG018449.D

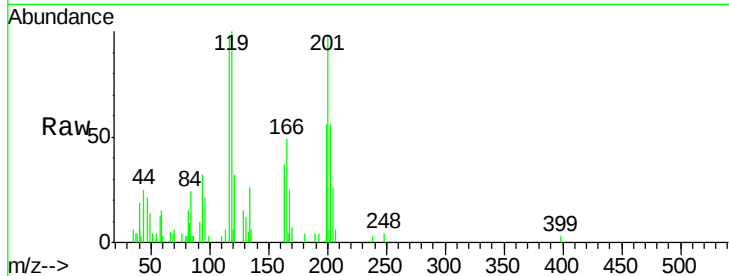
Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

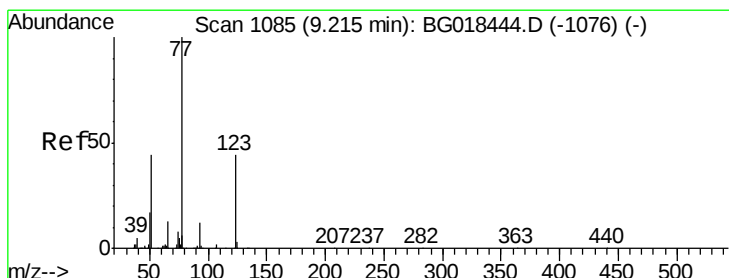
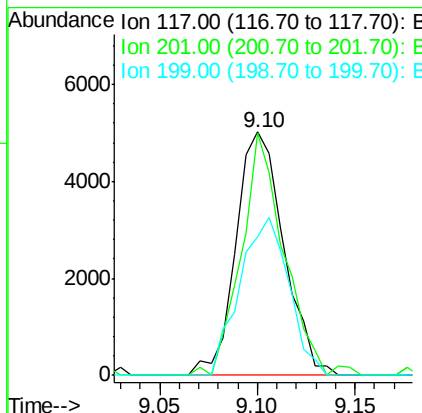
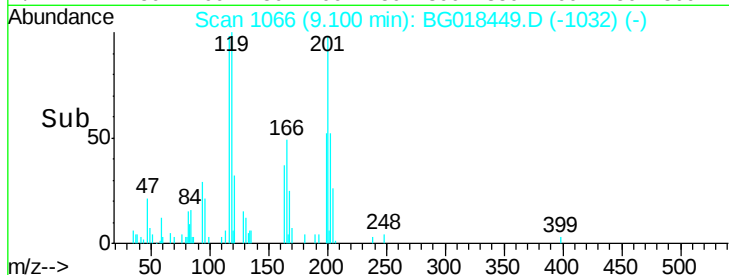
MDL-04-S



Tgt Ion:	117	Resp:	8514
Ion Ratio	Lower	Upper	
117	100		
201	99.5	73.6	110.4
199	56.9	48.6	72.8

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#20

Nitrobenzene

Concen: 2.93 ng/ul

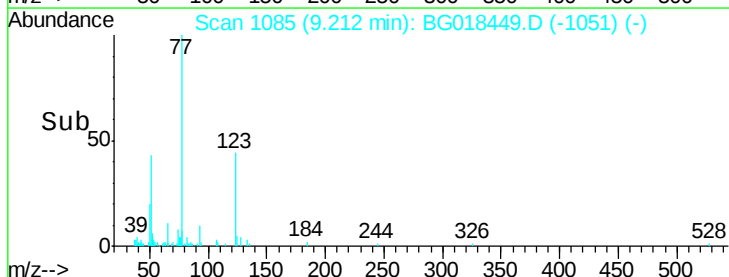
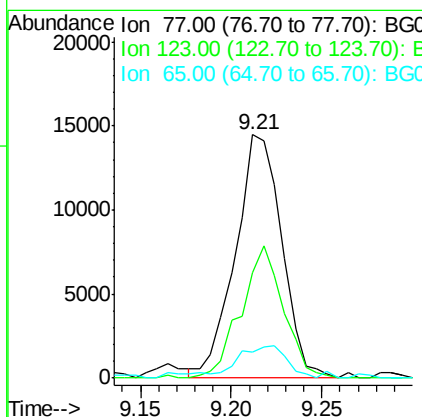
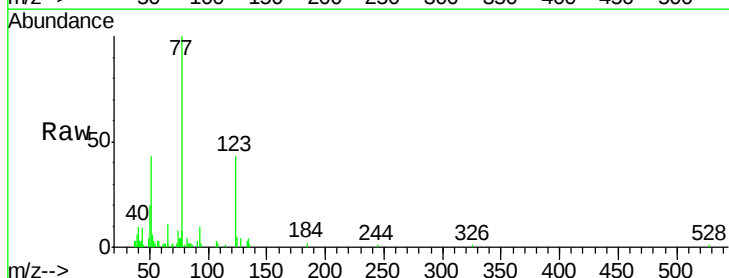
RT: 9.21 min Scan# 1085

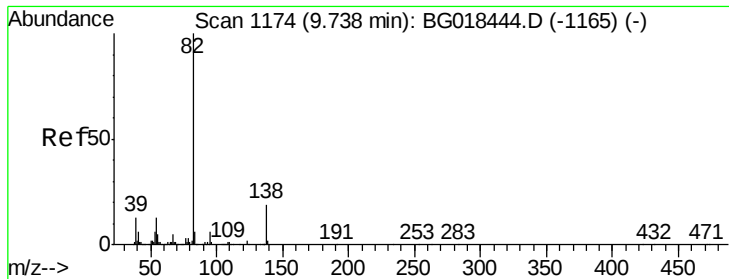
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	77	Resp:	25760
Ion Ratio	Lower	Upper	
77	100		
123	43.0	32.8	49.2
65	10.7	12.2	18.2#





#21

Isophorone

Concen: 3.36 ng/ul

RT: 9.73 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BG018449.D

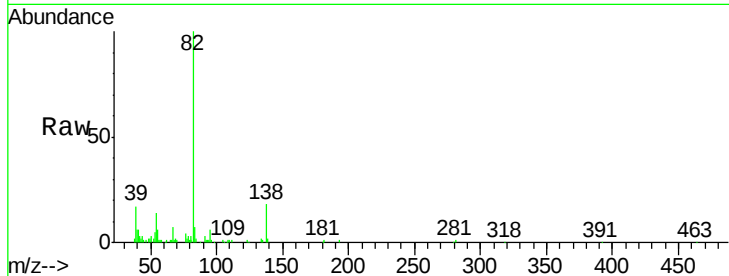
Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

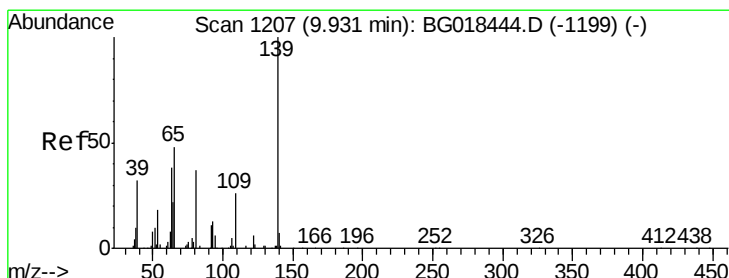
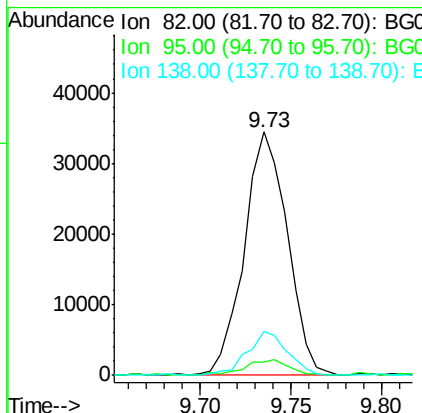
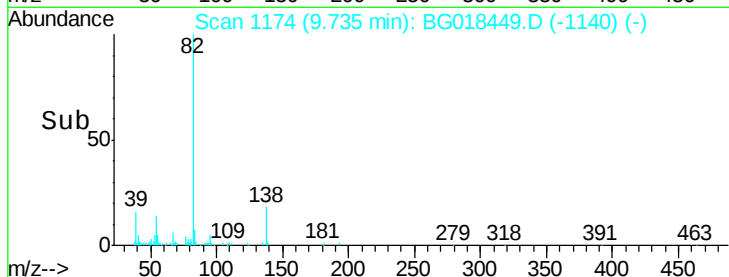
MDL-04-S



Tgt Ion	82	95	138
Ratio	100	5.6	17.9
Resp: Lower	56926	5.2	13.8
Upper		7.8	20.8

Manual Integrations
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#23

2-Nitrophenol

Concen: 3.06 ng/ul

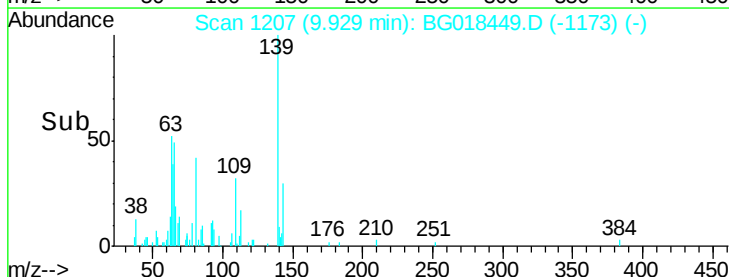
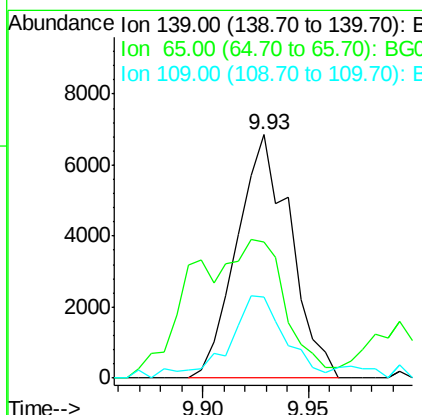
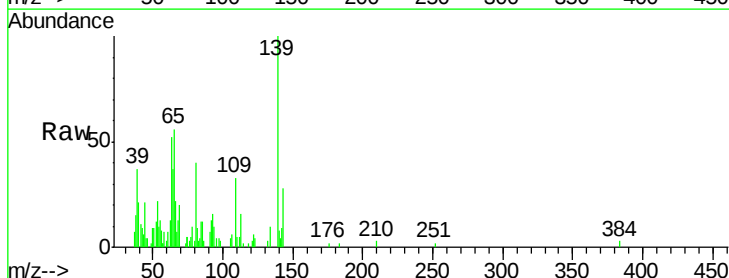
RT: 9.93 min Scan# 1207

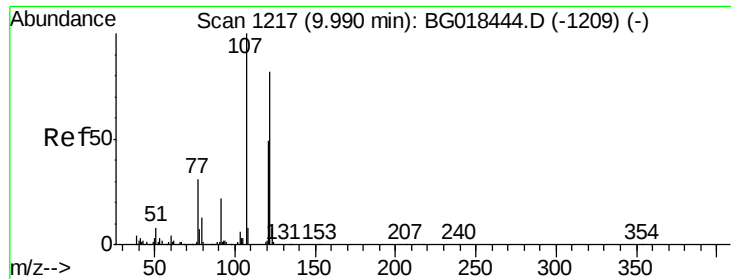
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion	139	65	109
Ratio	100	55.9	33.1
Resp: Lower	12053	45.6	25.4
Upper		68.4	38.2





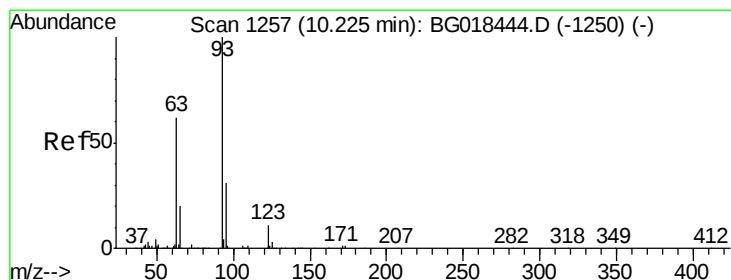
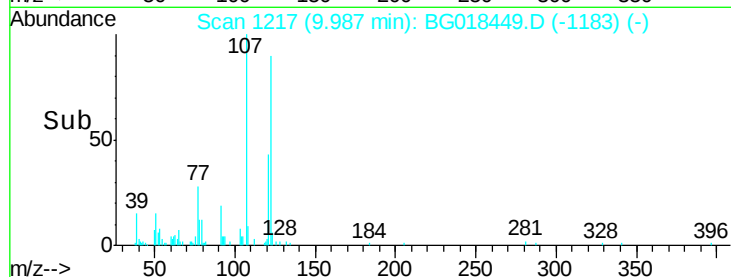
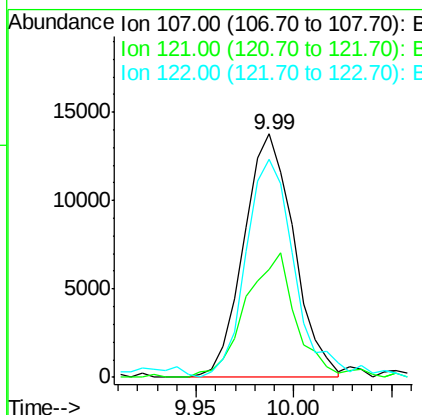
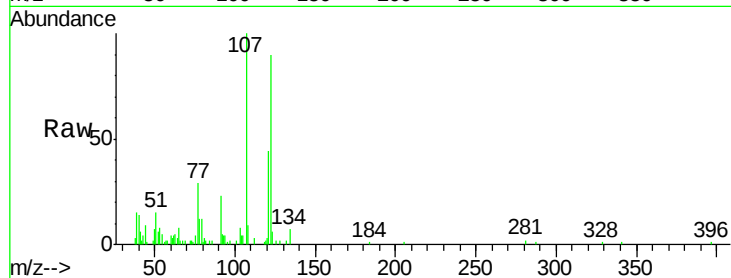
#24
 2,4-Dimethylphenol
 Concen: 2.77 ng/ul
 RT: 9.99 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	24524		
121	44.2	41.3	61.9	
122	89.7	71.9	107.9	

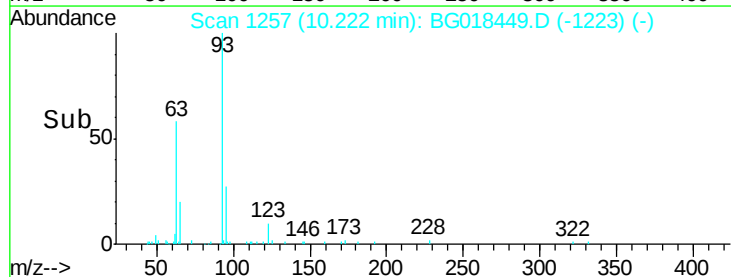
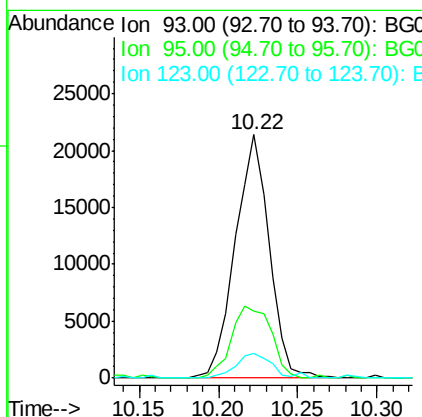
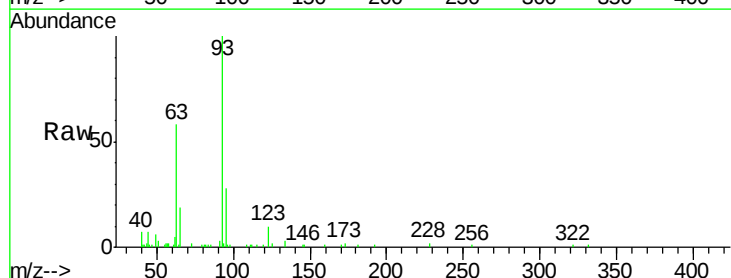
Manual Integrations
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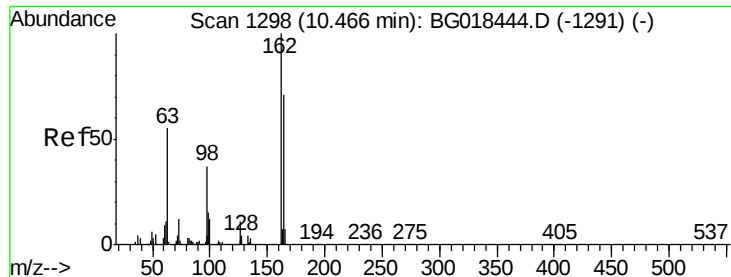
MMDadoda
 8/18/2015 5:20:56 PM



#25
 Bis(2-Chloroethoxy)methane
 Concen: 3.02 ng/ul
 RT: 10.22 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	31870		
95	27.7	24.1	36.1	
123	10.3	8.9	13.3	





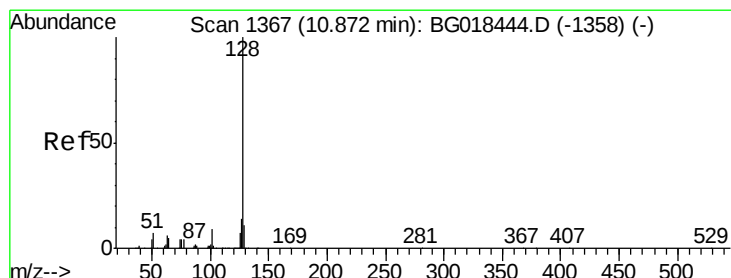
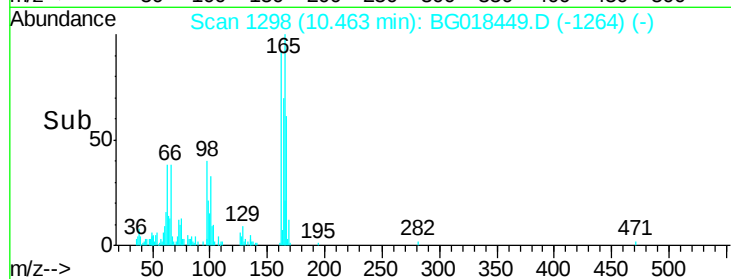
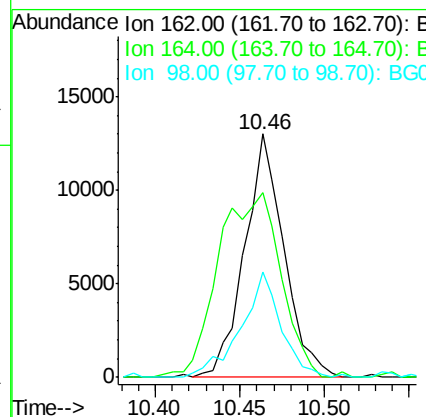
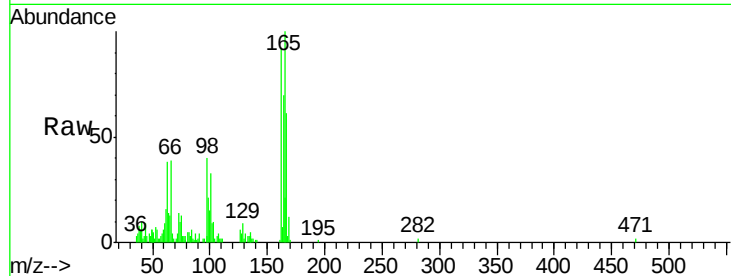
#27
 2,4-Dichlorophenol
 Concen: 2.98 ng/ul
 RT: 10.46 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	21059		
164	75.7	51.7	77.5	
98	43.2	30.4	45.6	

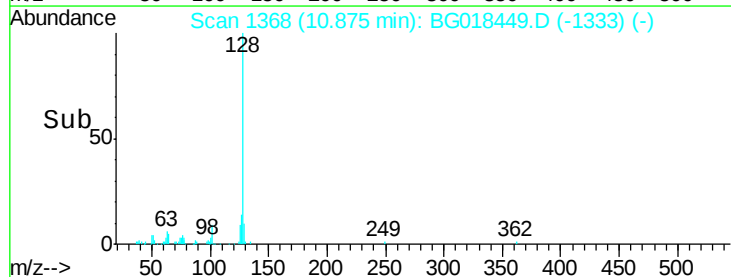
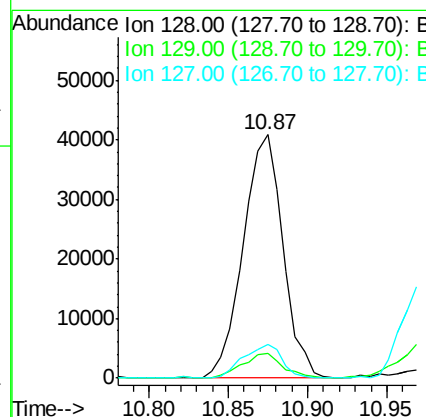
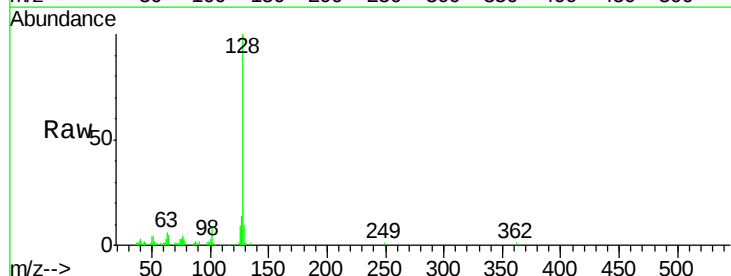
Manual Integrations
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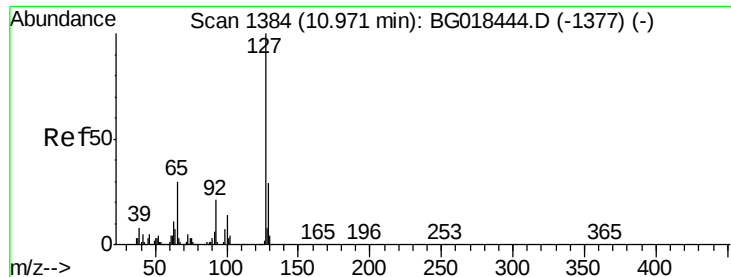
MMDadoda
 8/18/2015 5:20:56 PM



#28
 Naphthalene
 Concen: 3.01 ng/ul
 RT: 10.87 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	71272		
129	10.4	9.6	14.4	
127	13.9	10.5	15.7	





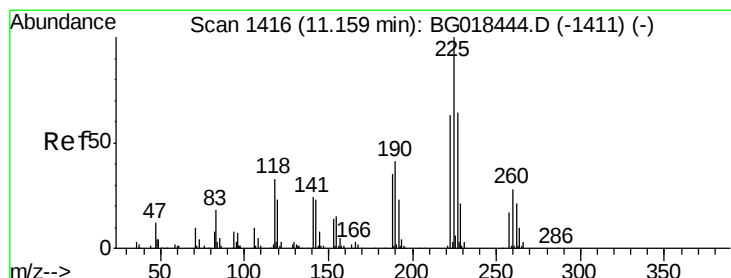
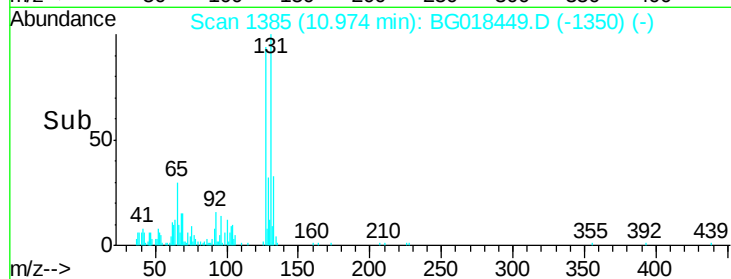
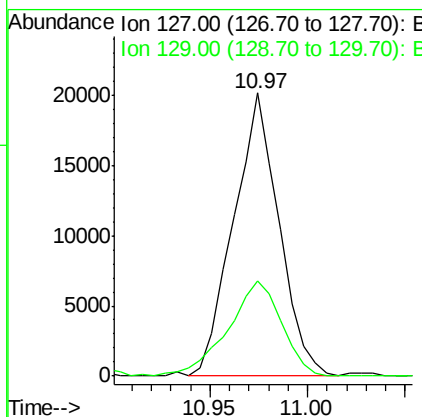
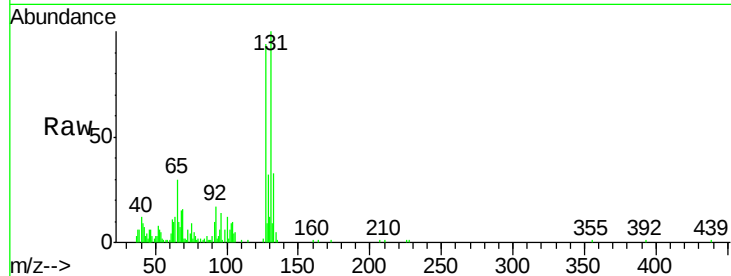
#30
4-Chloroaniline
Concen: 3.74 ng/ul
RT: 10.97 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.5	26.7	40.1

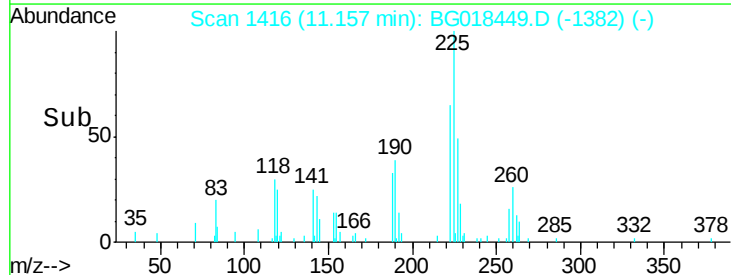
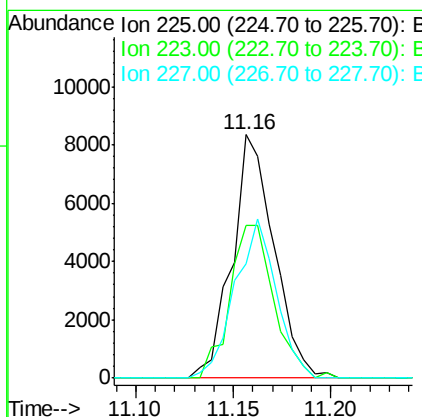
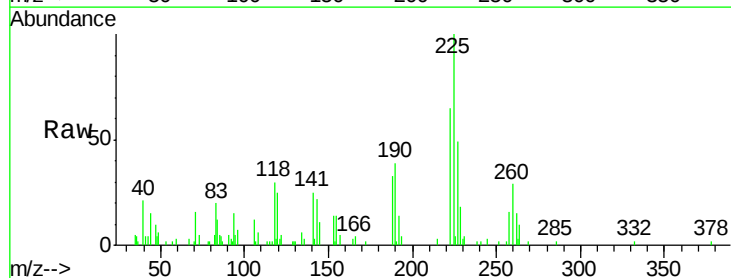
Manual Integrations
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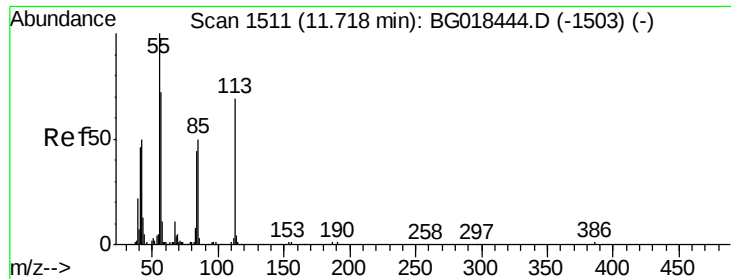
MMDadoda
8/18/2015 5:20:56 PM



#31
Hexachlorobutadiene
Concen: 2.79 ng/ul
RT: 11.16 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	45.8	68.8
227	46.9	54.0	81.0#





#32

Caprolactam

Concen: 3.25 ng/ul m

RT: 11.75 min Scan# 1517

Delta R.T. 0.03 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

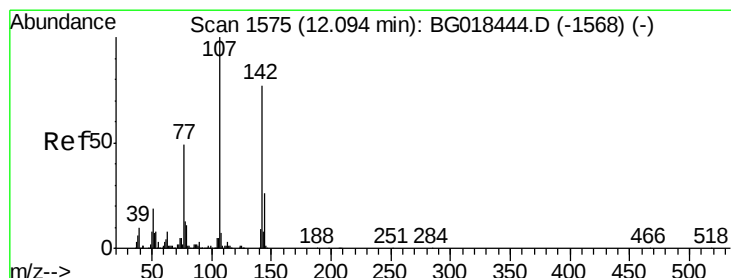
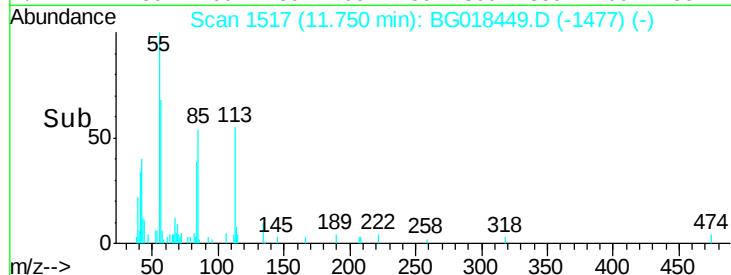
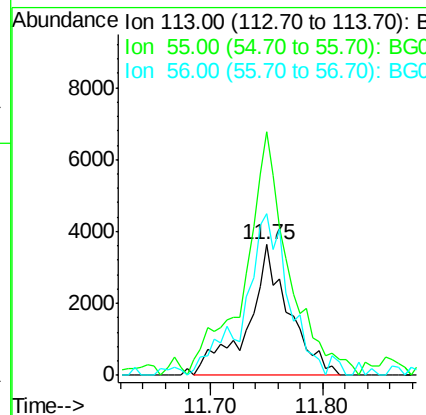
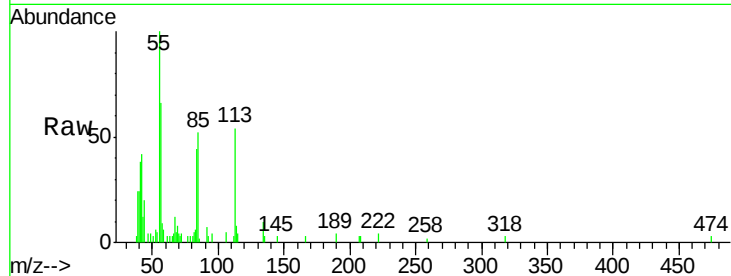
ClientSampleId :

MDL-04-S

Tgt Ion:	113	Resp:	9240
Ion Ratio	Lower	Upper	
113	100		
55	186.2	124.2	186.4
56	123.3	98.2	147.4

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#33

4-Chloro-3-methylphenol

Concen: 3.29 ng/ul

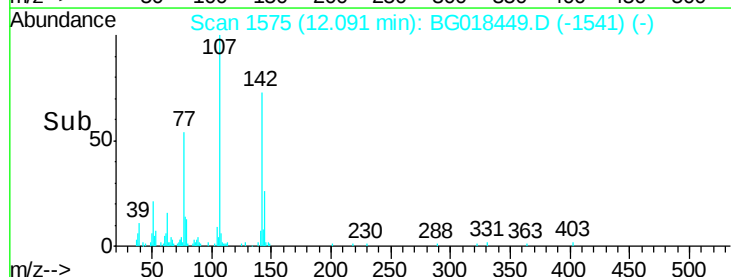
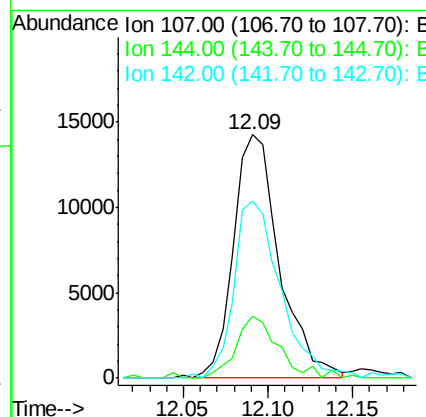
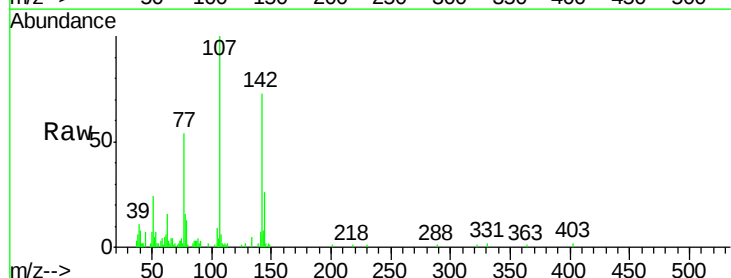
RT: 12.09 min Scan# 1575

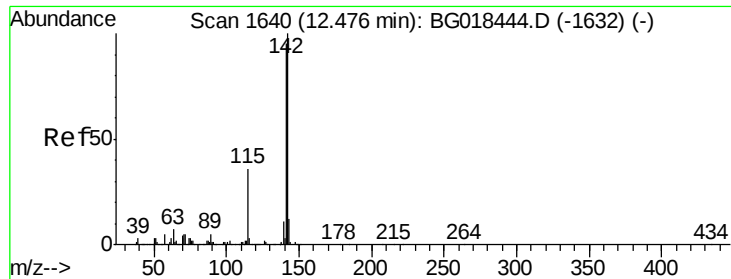
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	107	Resp:	26928
Ion Ratio	Lower	Upper	
107	100		
144	25.7	21.4	32.2
142	72.7	66.0	99.0





#34

2-Methylnaphthalene

Concen: 3.20 ng/ul

RT: 12.47 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

MDL-04-S

Tgt Ion:142 Resp: 54783

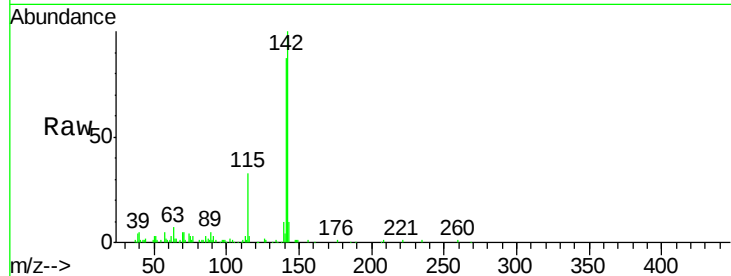
Ion Ratio Lower Upper

142 100

141 87.4 78.0 117.0

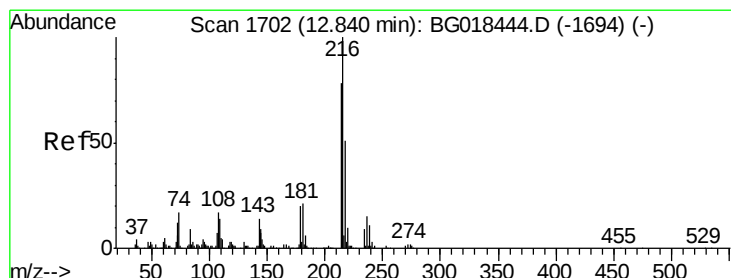
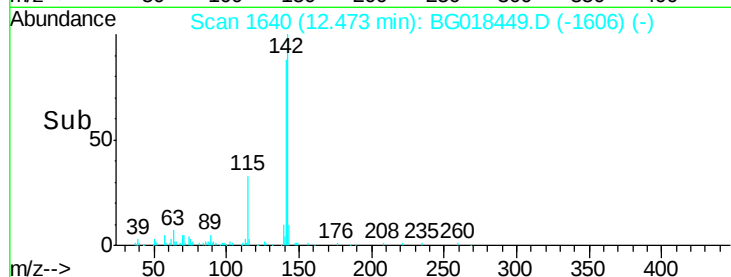
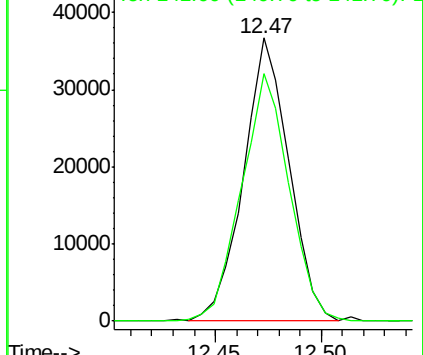
Manual Integrations
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8/18/2015 5:20:56 PM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 2.81 ng/ul

RT: 12.84 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:216 Resp: 27060

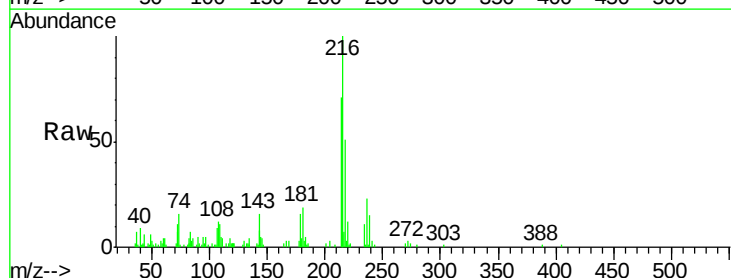
Ion Ratio Lower Upper

216 100

214 66.7 62.5 93.7

179 15.0 18.2 27.2#

108 11.1 14.6 22.0#

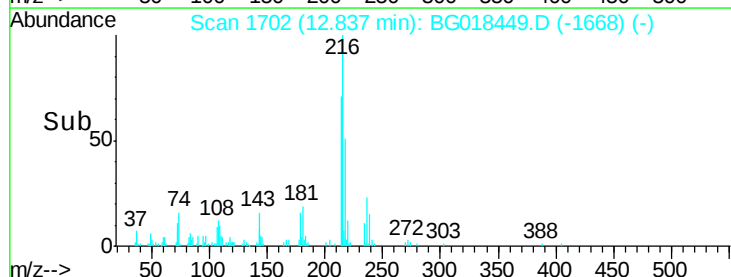
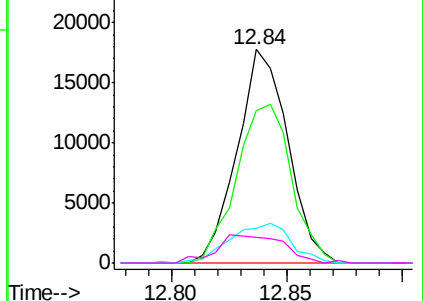


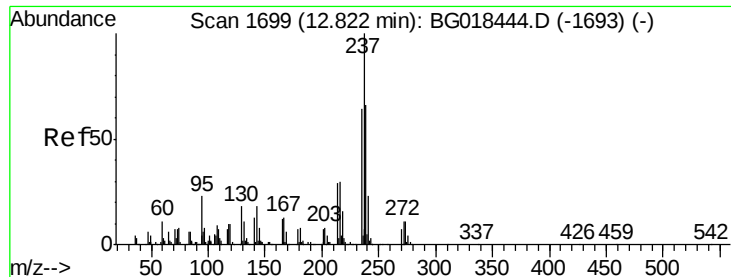
Abundance Ion 216.00 (215.70 to 216.70): E

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





#38

Hexachlorocyclopentadiene

Concen: 2.55 ng/ul

RT: 12.82 min Scan# 1699

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

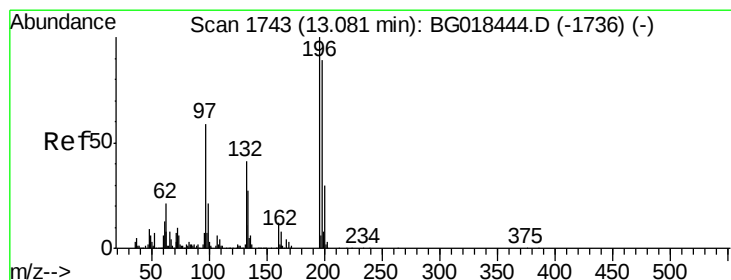
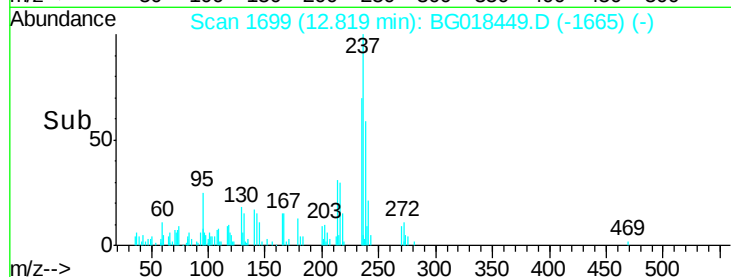
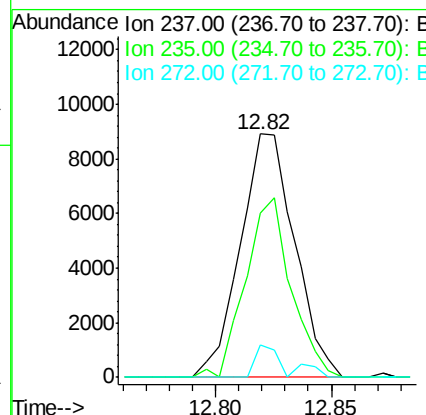
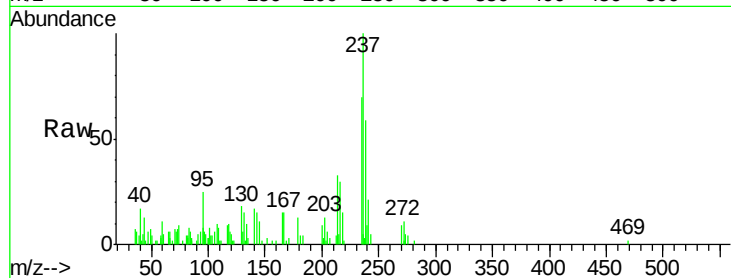
ClientSampleId :

MDL-04-S

Tgt Ion:	237	Resp:	14624
Ion Ratio		Lower	Upper
237	100		
235	67.6	45.6	68.4
272	13.4	9.0	13.4

Manual Integrations
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MMDadoda
8/18/2015 5:20:56 PM



#39

2,4,6-Trichlorophenol

Concen: 2.66 ng/ul

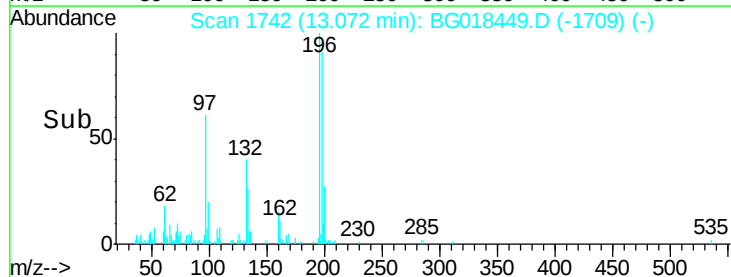
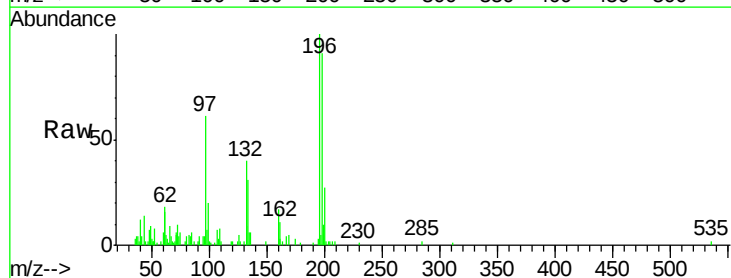
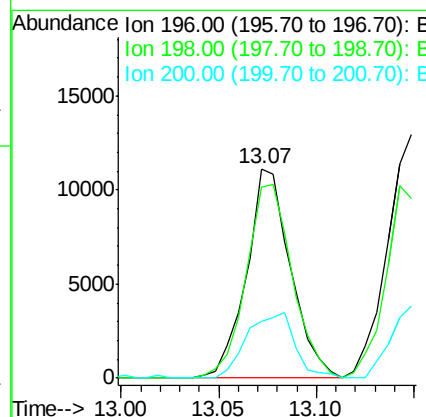
RT: 13.07 min Scan# 1742

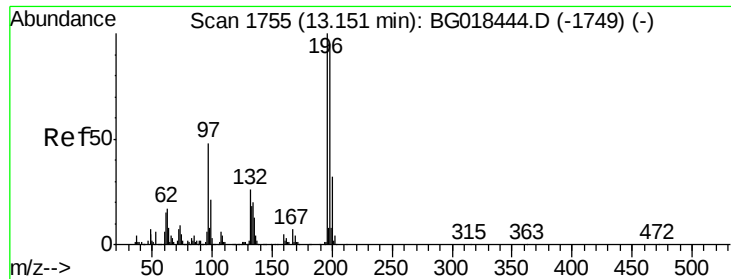
Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	196	Resp:	17421
Ion Ratio		Lower	Upper
196	100		
198	91.5	78.5	117.7
200	27.2	25.1	37.7





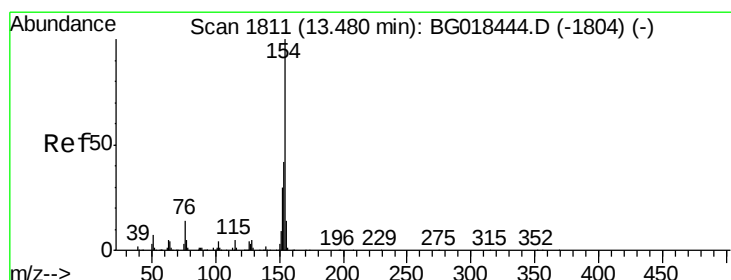
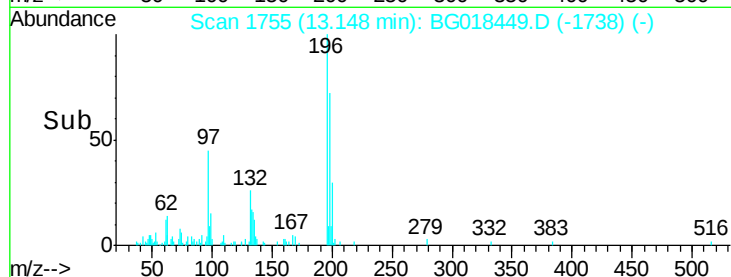
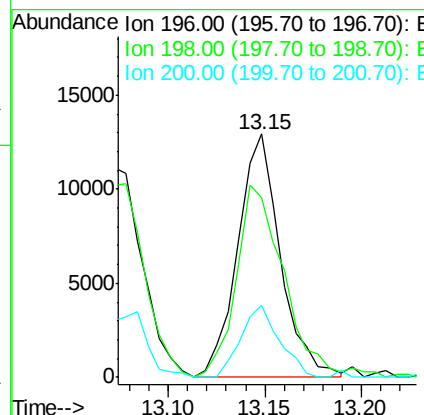
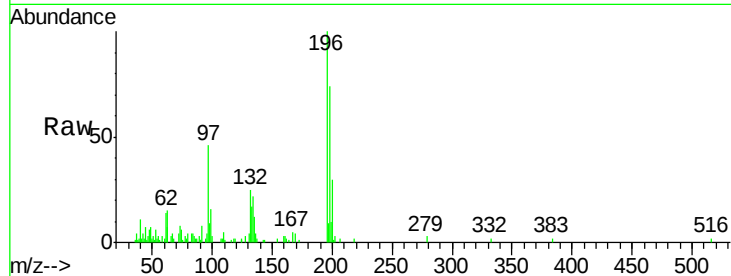
#40
 2,4,5-Trichlorophenol
 Concen: 2.82 ng/ul m
 RT: 13.15 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	19890		
198	73.6	74.2	111.4#	
200	29.6	25.2	37.8	

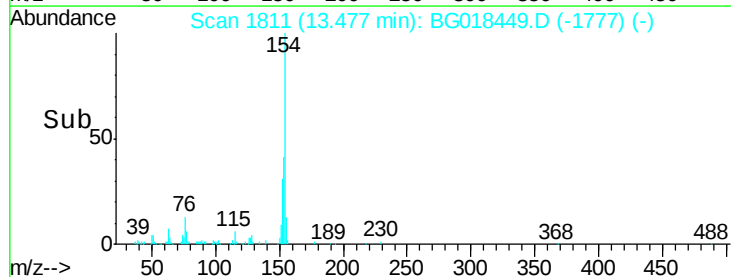
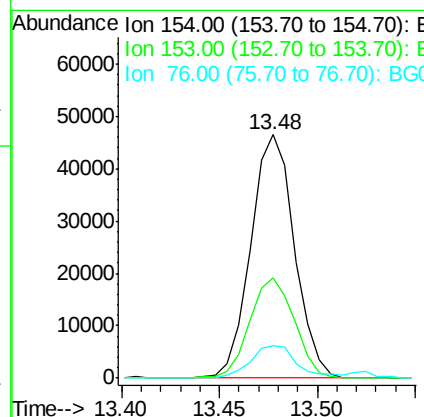
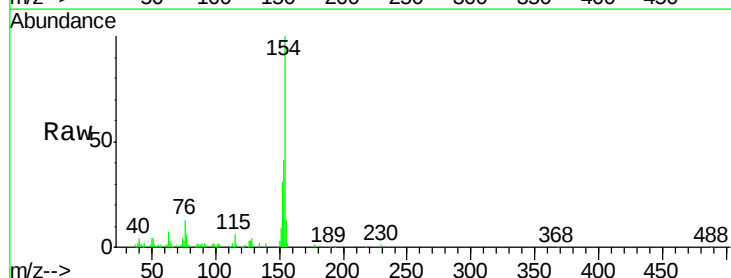
Manual Integrations
 APPROVED

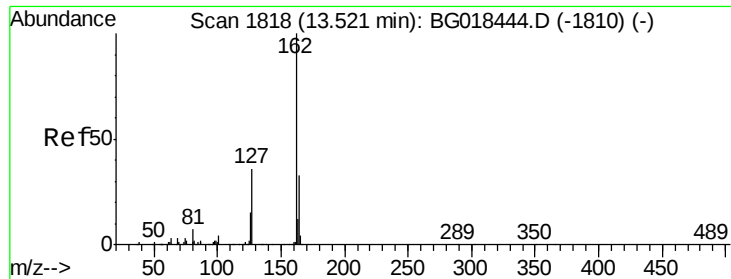
MMDadoda
 8/18/2015 5:20:56 PM



#41
 1,1'-Biphenyl
 Concen: 2.87 ng/ul
 RT: 13.48 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	71767		
153	41.1	35.2	52.8	
76	13.1	10.6	16.0	





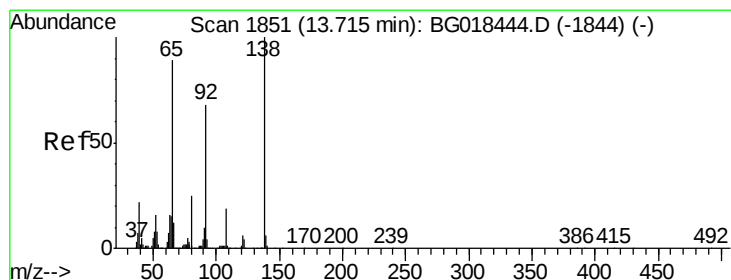
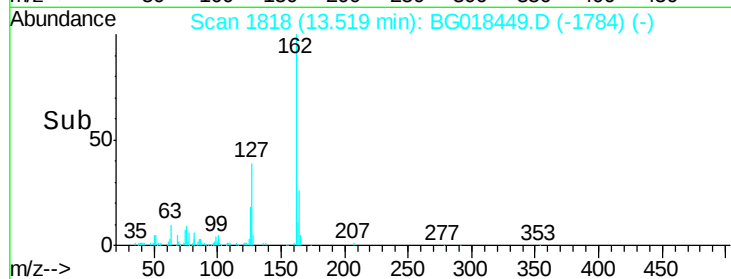
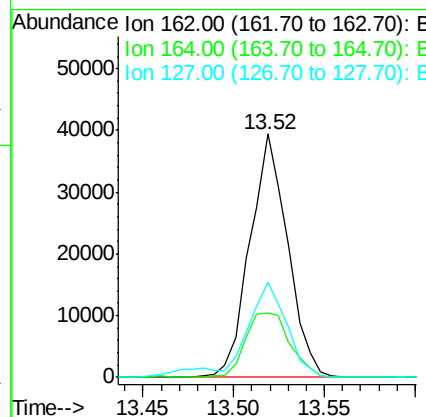
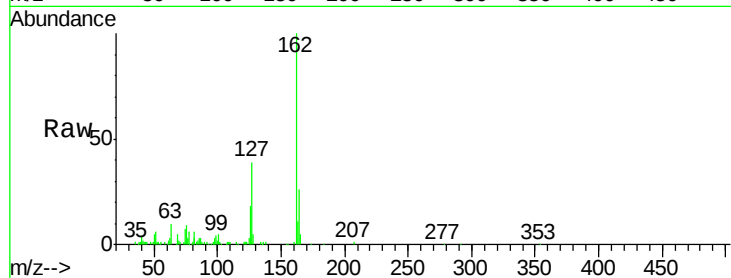
#42
 2-Chloronaphthalene
 Concen: 2.93 ng/ul
 RT: 13.52 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
162	100		
164	26.3	24.8	37.2
127	38.8	30.3	45.5

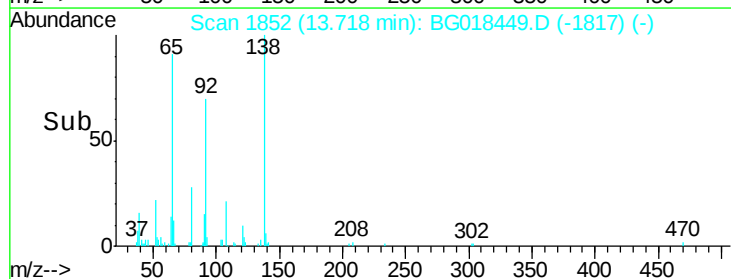
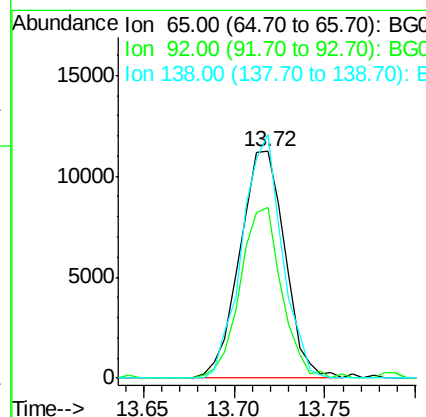
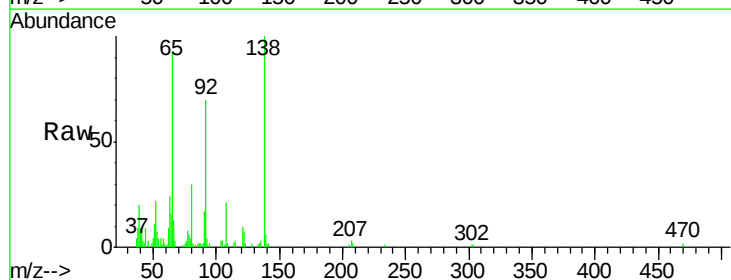
Manual Integrations
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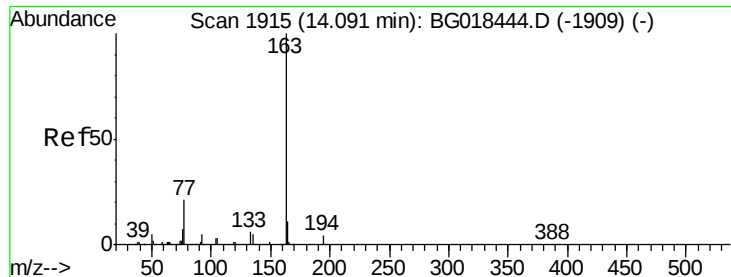
MMDadoda
 8/18/2015 5:20:56 PM



#43
 2-Nitroaniline
 Concen: 3.10 ng/ul
 RT: 13.72 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.2	51.1	76.7
138	107.5	75.1	112.7





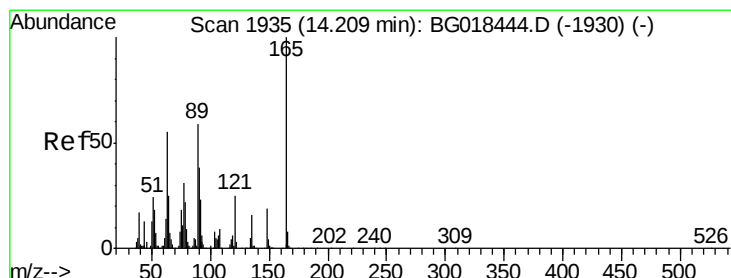
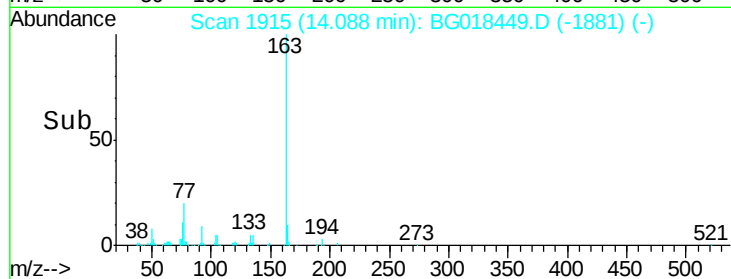
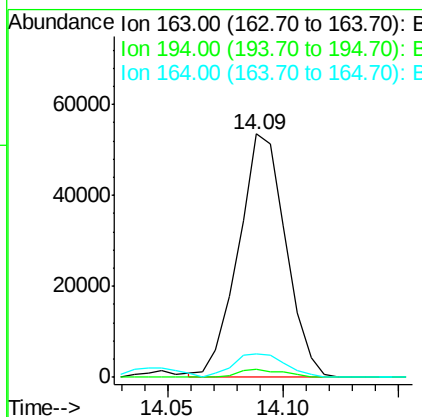
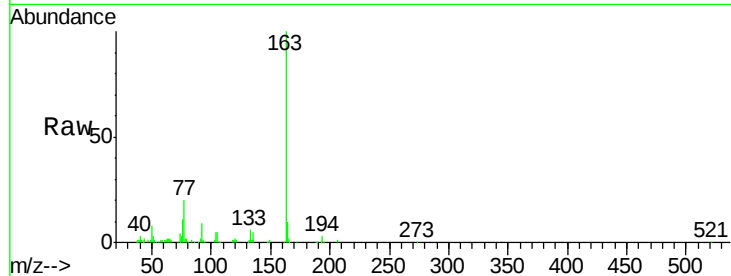
#45
Dimethylphthalate
Concen: 3.07 ng/ul
RT: 14.09 min Scan# 1915
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	76436		
194	3.1		2.9	4.3
164	9.6		7.7	11.5

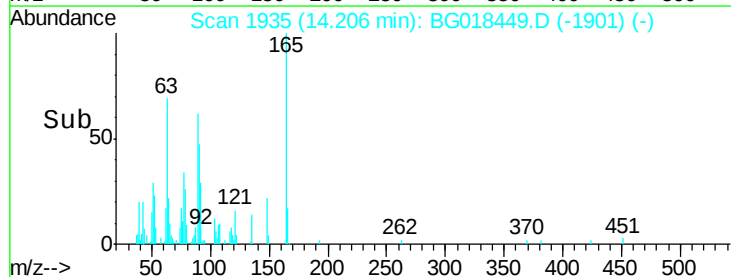
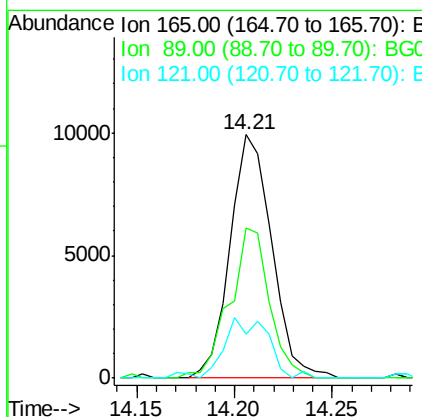
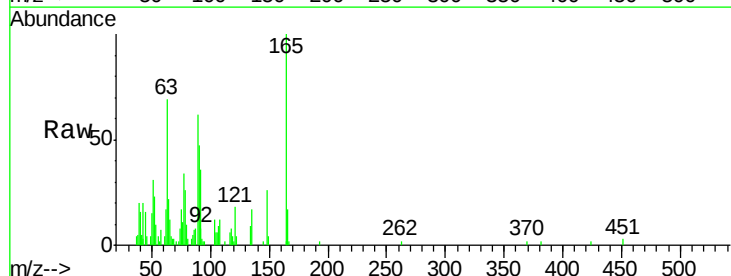
Manual Integrations
APPROVED

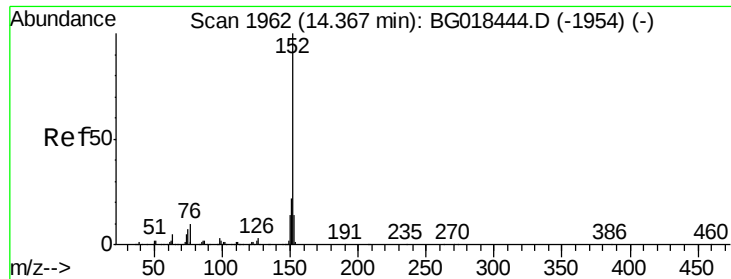
MMDadoda
8/18/2015 5:20:56 PM



#46
2,6-Dinitrotoluene
Concen: 2.96 ng/ul
RT: 14.21 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	14689		
89	61.8		50.2	75.2
121	18.2		19.4	29.2#





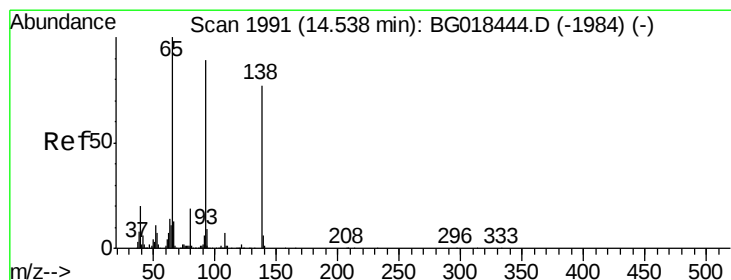
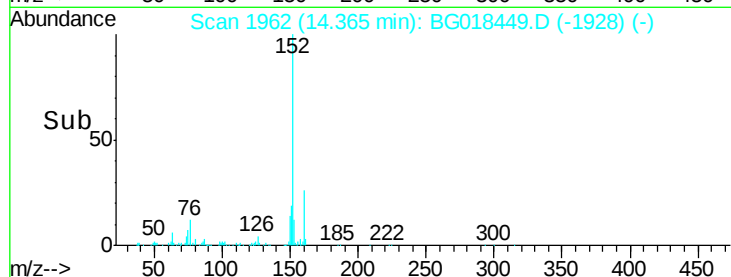
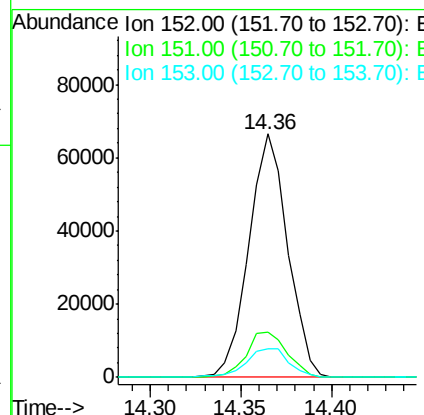
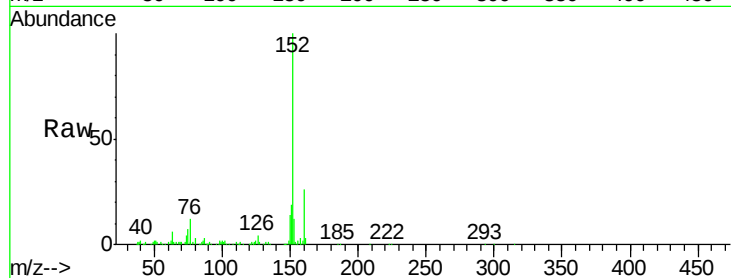
#48
Acenaphthylene
Concen: 3.11 ng/ul
RT: 14.36 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2
153	11.5	10.8	16.2

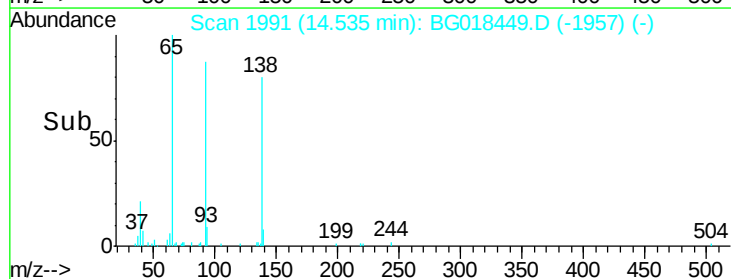
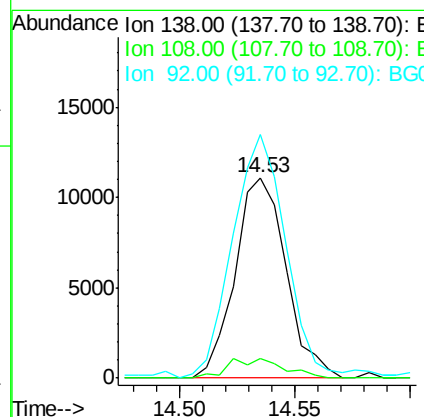
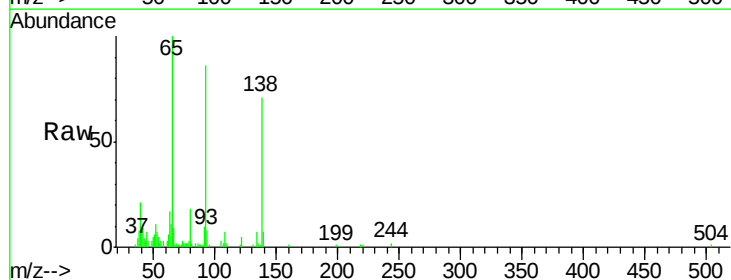
Manual Integrations
APPROVED

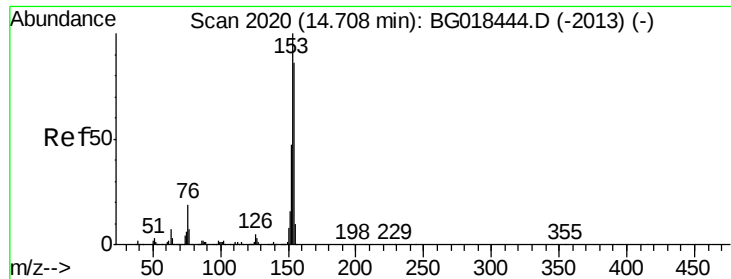
MMDadoda
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#49
3-Nitroaniline
Concen: 3.38 ng/ul
RT: 14.53 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.4	14.0
92	121.4	102.8	154.2





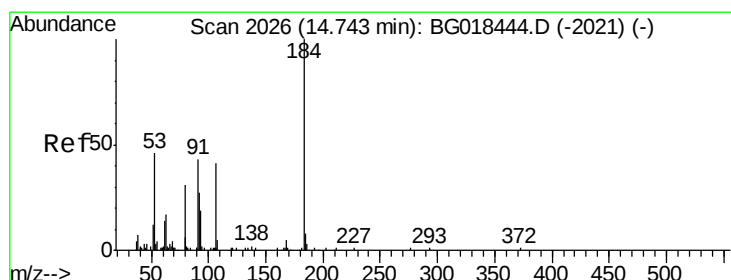
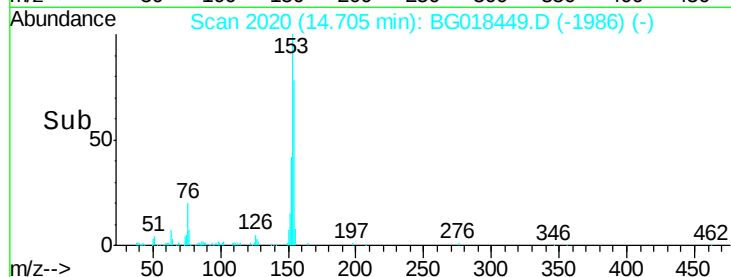
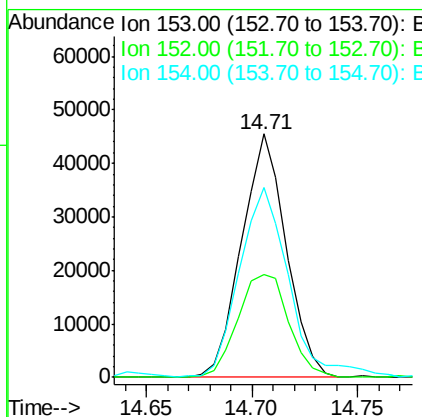
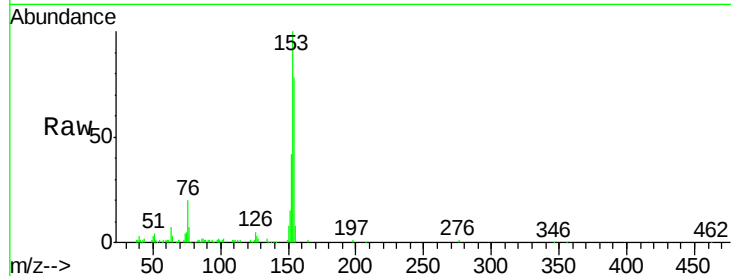
#50
Acenaphthene
Concen: 2.98 ng/ul
RT: 14.71 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
153	100		
152	42.2	38.2	57.4
154	77.7	68.6	103.0

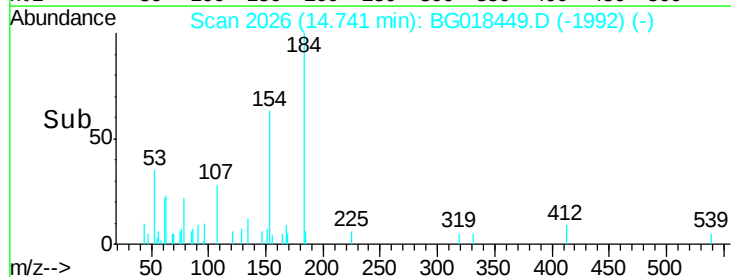
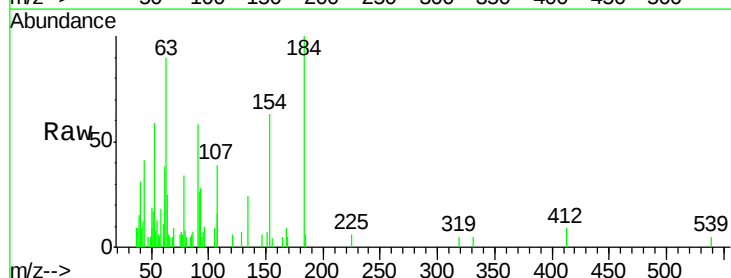
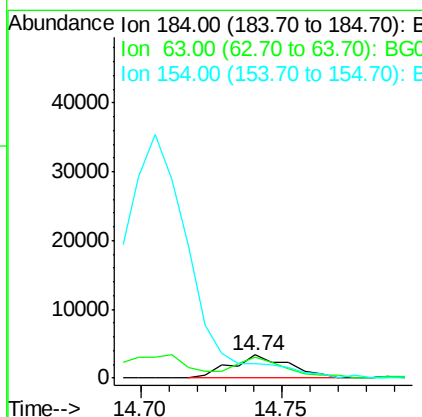
Manual Integrations
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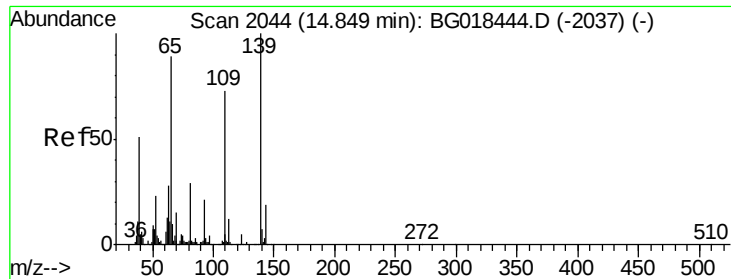
MMDadoda
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#51
2,4-Dinitrophenol
Concen: 2.01 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

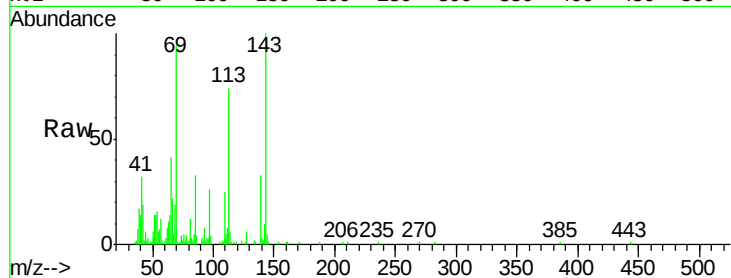
Tgt Ion	Ratio	Lower	Upper
184	100		
63	89.8	55.3	82.9#
154	63.3	58.2	87.2





#53
4-Nitrophenol
Concen: 3.02 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

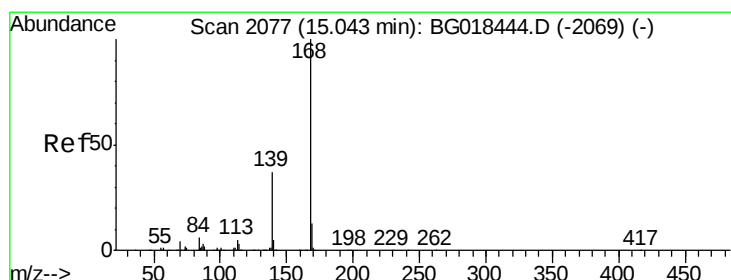
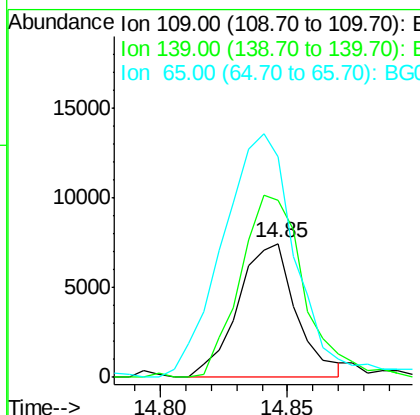
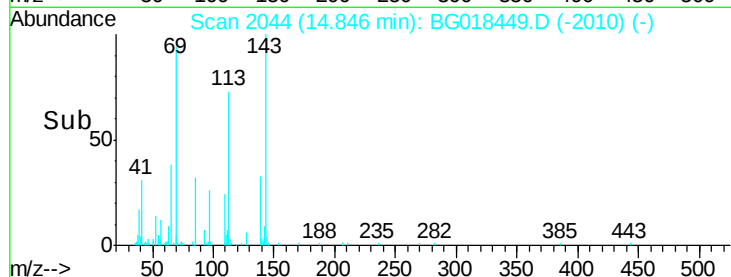
Instrument :
BNA_G
ClientSampleId :
MDL-04-S



Tgt Ion	Ratio	Lower	Upper
109	100		
139	132.0	111.3	166.9
65	164.3	105.3	157.9#

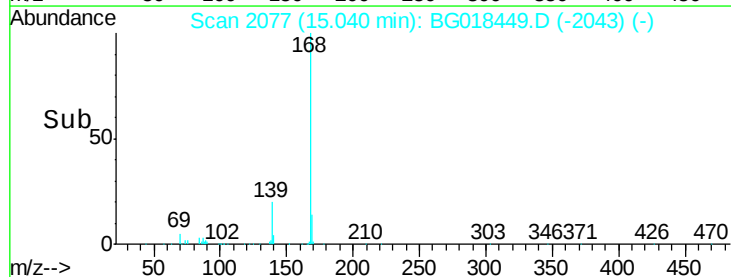
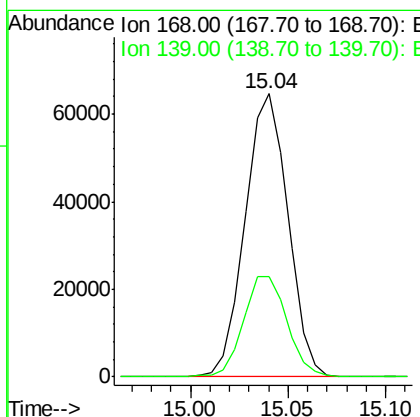
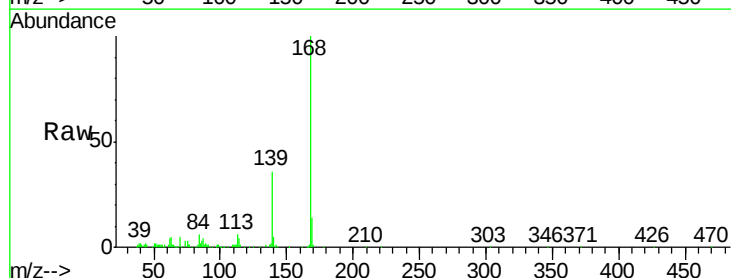
Manual Integrations
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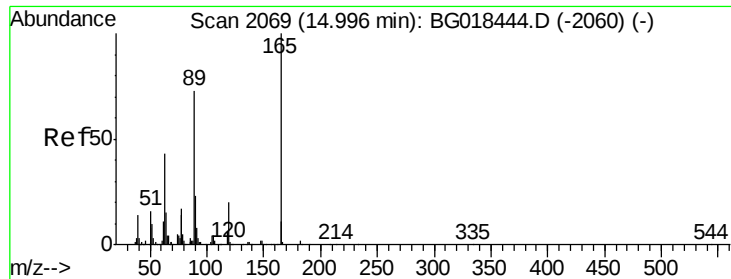
MMDadoda
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#54
Dibenzofuran
Concen: 3.37 ng/ul
RT: 15.04 min Scan# 2077
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.6	29.7	44.5





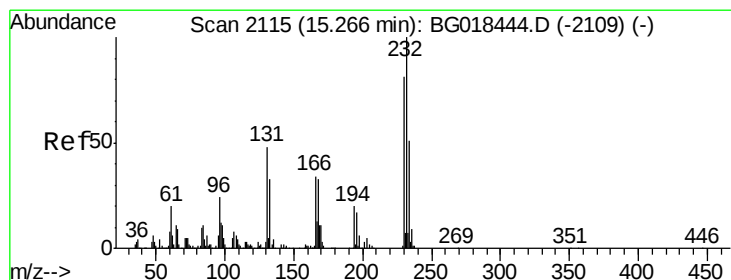
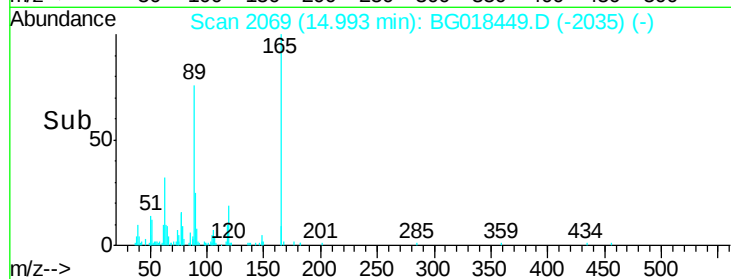
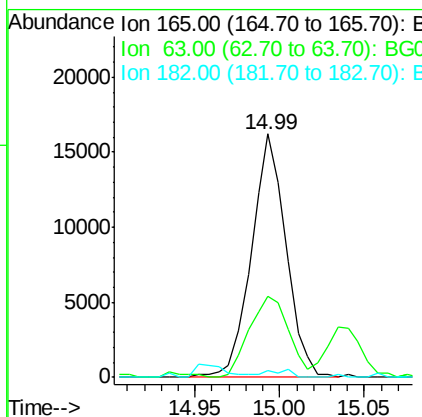
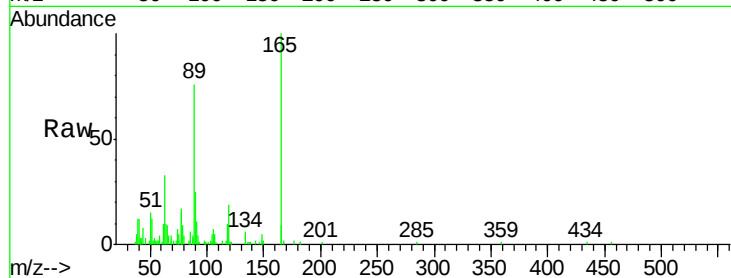
#55
 2,4-Dinitrotoluene
 Concen: 3.26 ng/ul
 RT: 14.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	23060		
63	33.3	36.7	55.1#	
182	2.8	2.2	3.2	

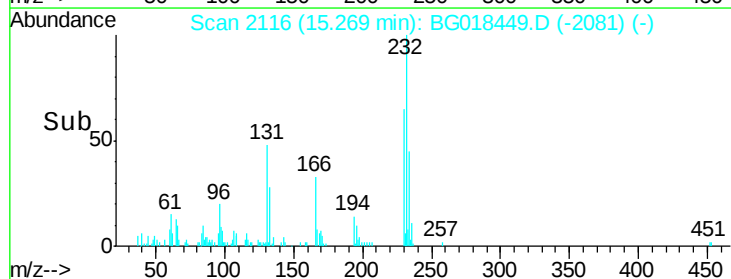
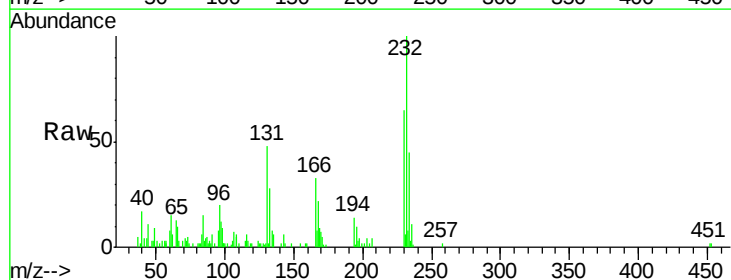
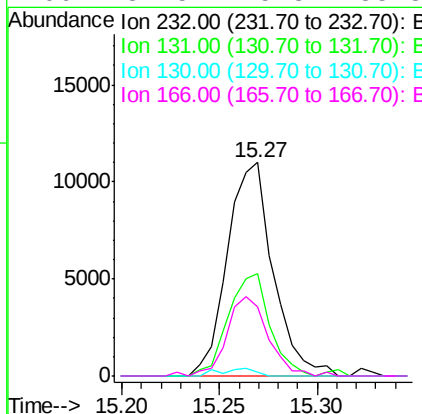
Manual Integrations
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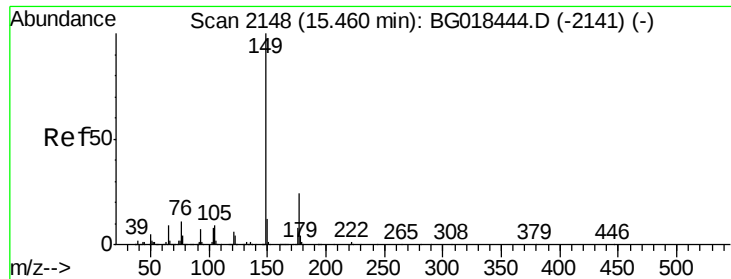
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#56
 2,3,4,6-Tetrachlorophenol
 Concen: 2.91 ng/ul
 RT: 15.27 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	17836		
131	47.7	37.4	56.0	
130	2.0	1.4	2.0	
166	32.5	25.8	38.8	





#57

Diethylphthalate

Concen: 3.36 ng/ul

RT: 15.46 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

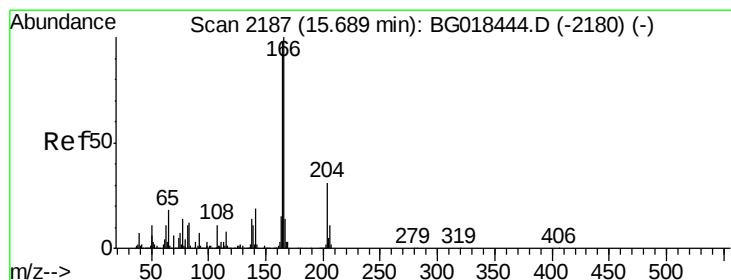
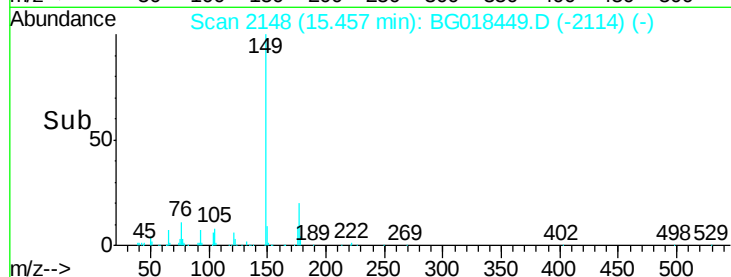
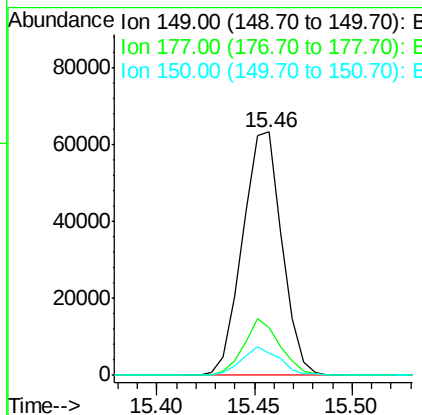
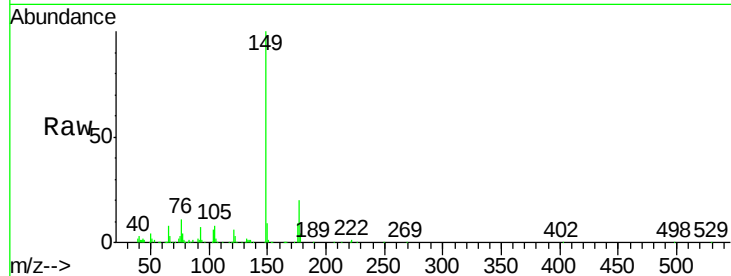
ClientSampleId :

MDL-04-S

Tgt Ion:	149	Resp:	88749
Ion Ratio	Lower	Upper	
149	100		
177	19.8	18.2	27.4
150	9.0	9.7	14.5#

Manual Integrations
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8/18/2015 5:20:56 PM



#59

Fluorene

Concen: 3.37 ng/ul

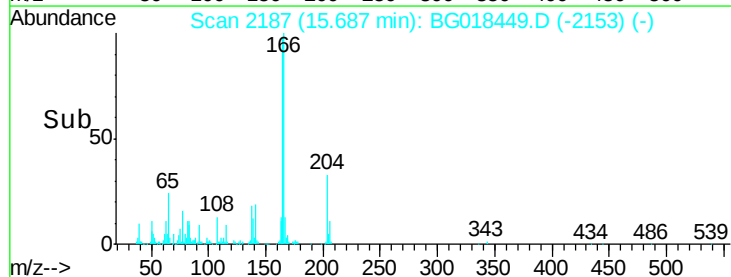
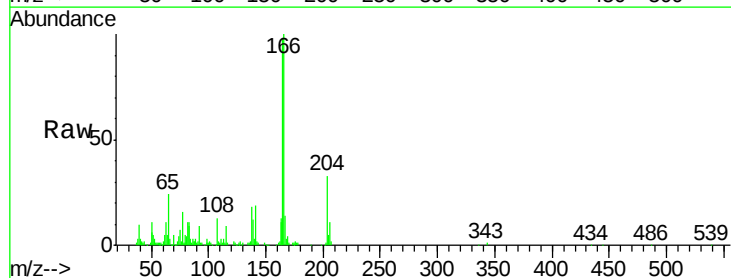
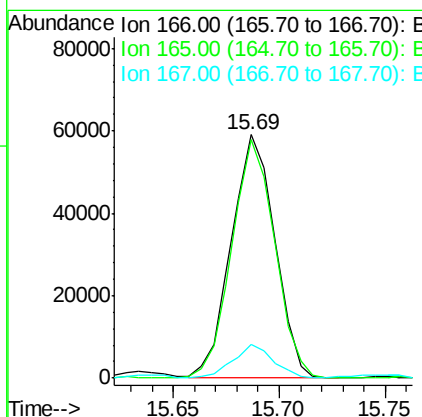
RT: 15.69 min Scan# 2187

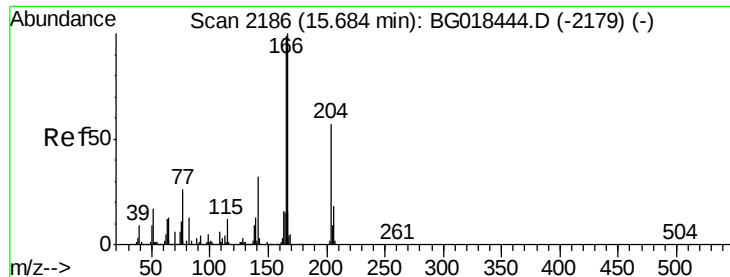
Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	166	Resp:	84722
Ion Ratio	Lower	Upper	
166	100		
165	98.1	82.6	124.0
167	13.6	11.4	17.0





#60

4-Chlorophenyl-phenylether

Concen: 3.05 ng/ul

RT: 15.68 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

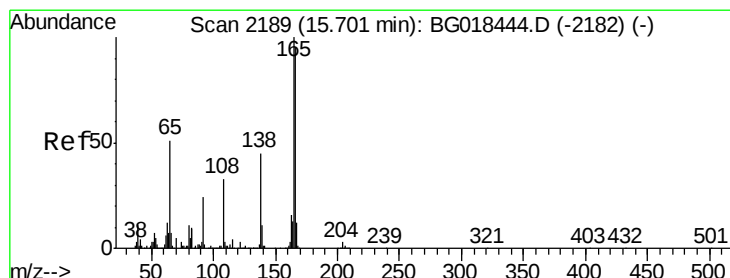
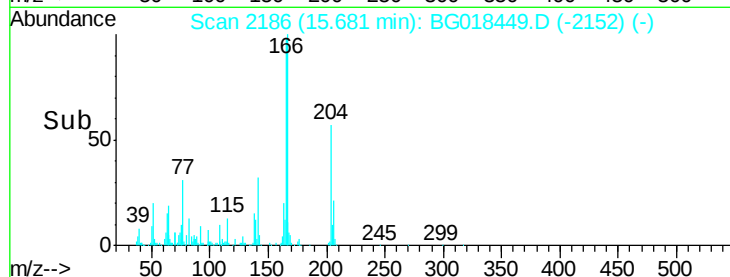
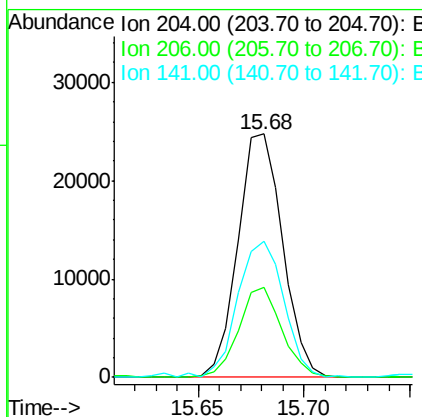
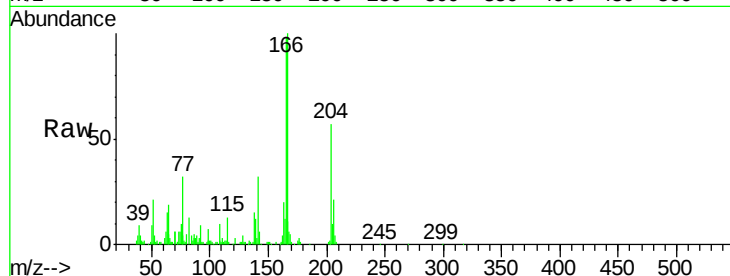
ClientSampleId :

MDL-04-S

Tgt Ion:	204	Resp:	36309
Ion Ratio	Lower	Upper	
204	100		
206	36.8	27.1	40.7
141	55.8	47.1	70.7

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#61

4-Nitroaniline

Concen: 3.56 ng/ul

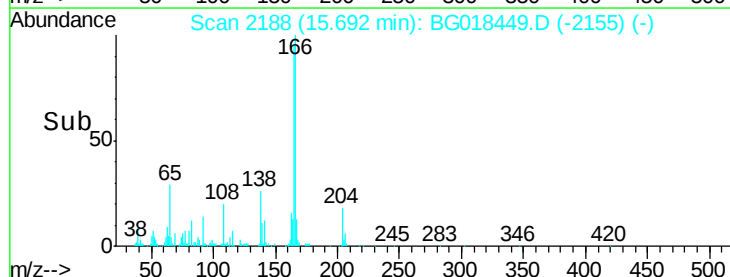
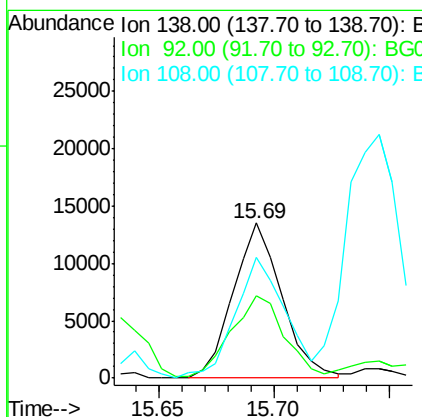
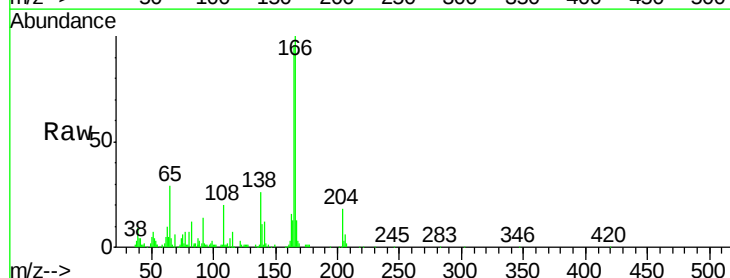
RT: 15.69 min Scan# 2188

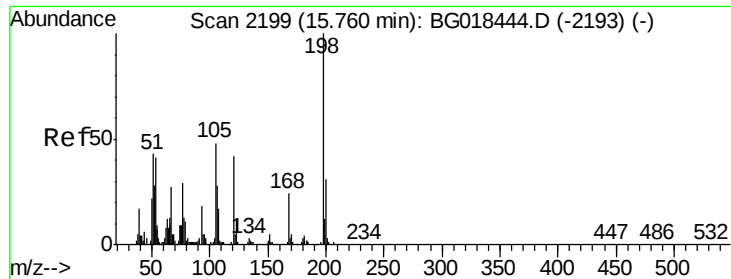
Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	138	Resp:	19861
Ion Ratio	Lower	Upper	
138	100		
92	52.9	44.0	66.0
108	77.7	64.6	97.0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.59 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

MDL-04-S

Tgt Ion:198 Resp: 14498

Ion Ratio Lower Upper

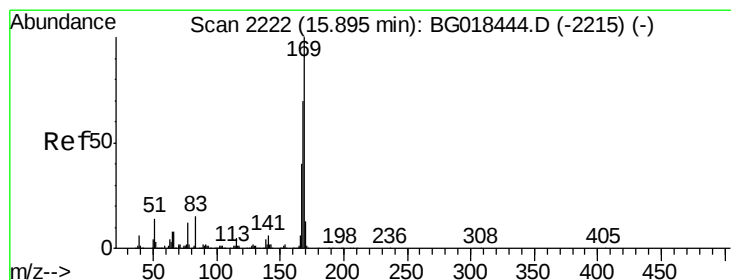
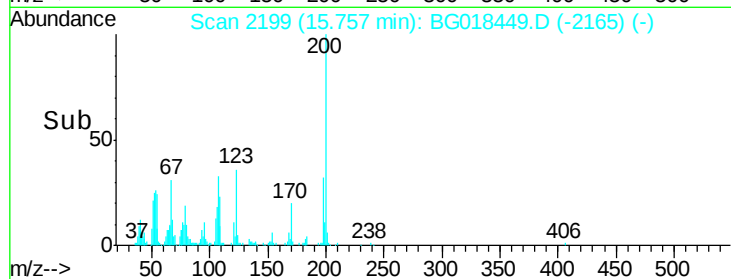
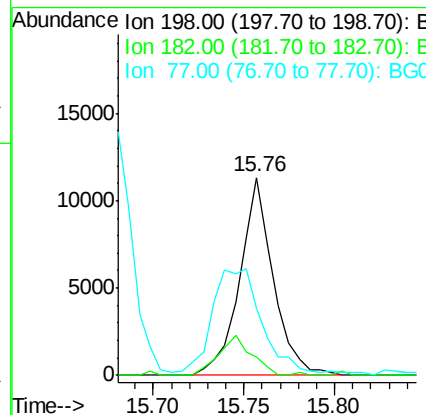
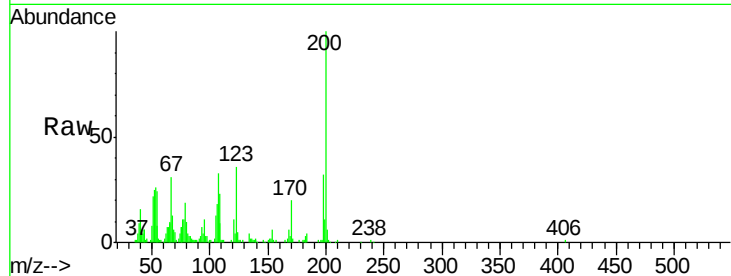
198 100

182 9.5 3.4 5.0#

77 34.1 22.4 33.6#

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#65

N-Nitrosodiphenylamine

Concen: 3.06 ng/ul

RT: 15.89 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

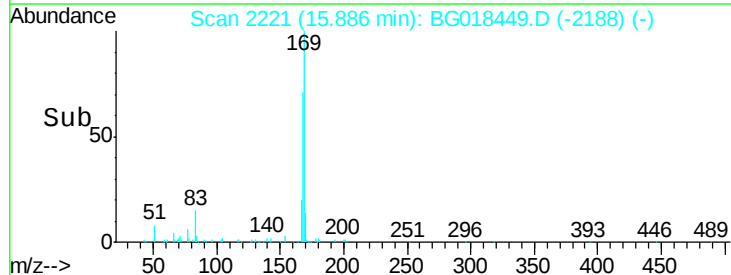
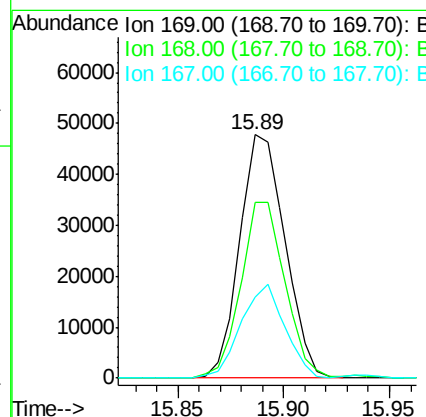
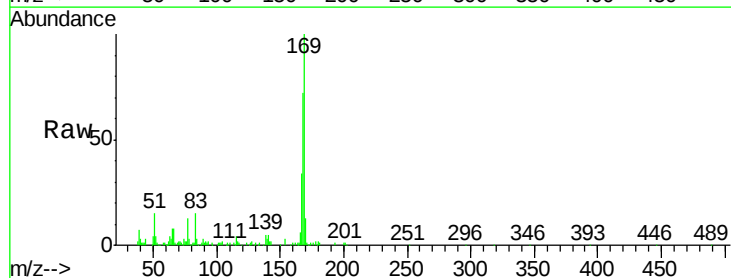
Tgt Ion:169 Resp: 70989

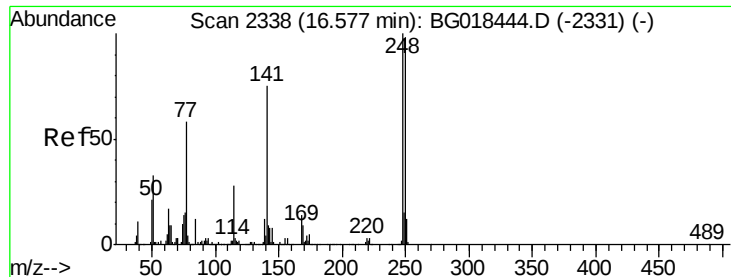
Ion Ratio Lower Upper

169 100

168 72.3 60.2 90.2

167 33.5 33.4 50.2





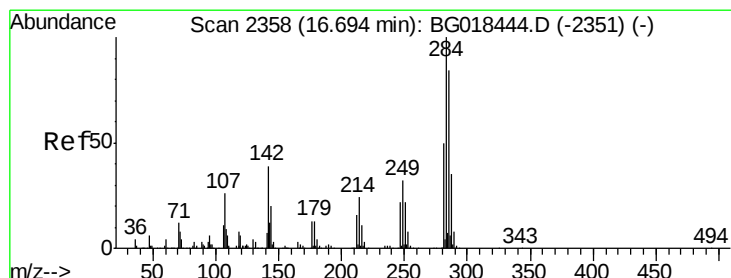
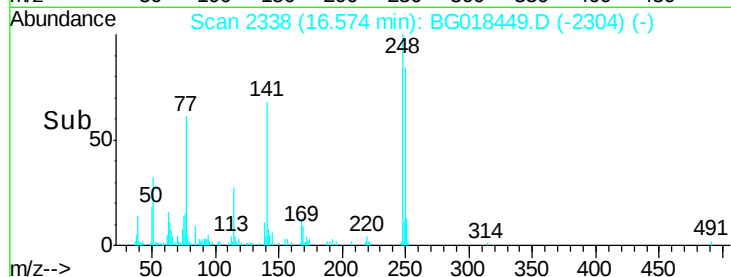
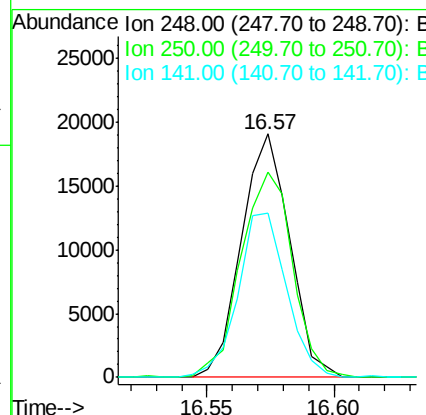
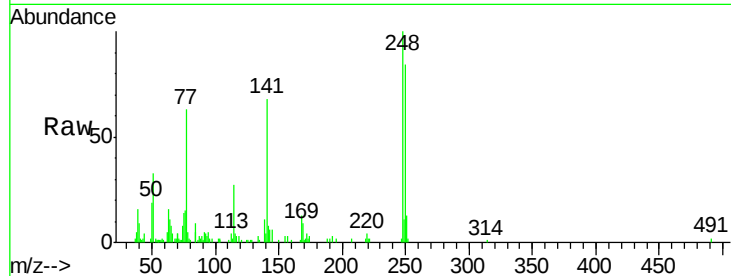
#66
4-Bromophenyl-phenylether
Concen: 3.03 ng/ul
RT: 16.57 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
248	100		
250	84.1	76.4	114.6
141	67.7	58.6	87.8

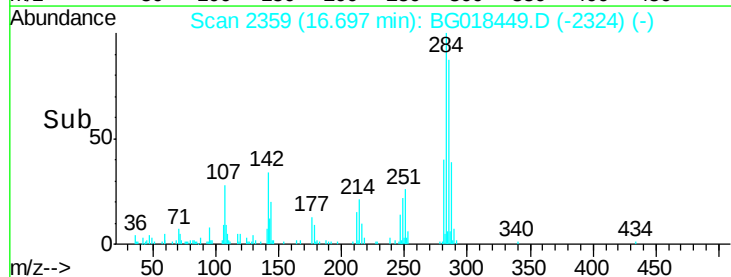
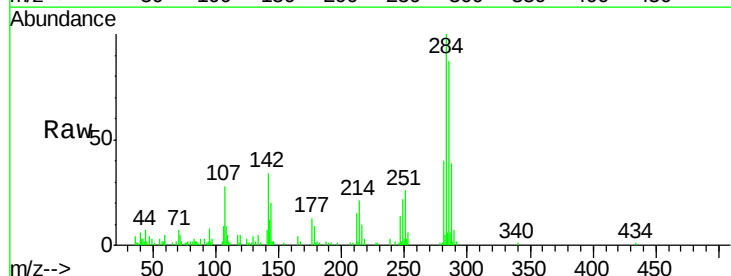
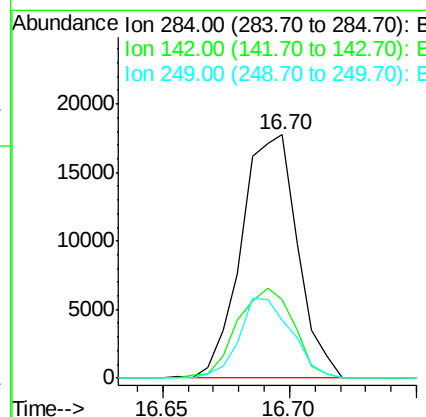
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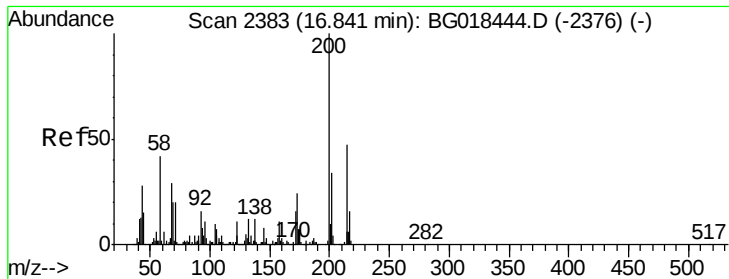
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#67
Hexachlorobenzene
Concen: 3.11 ng/ul
RT: 16.70 min Scan# 2359
Delta R.T. 0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.4	28.6	42.8
249	23.8	26.2	39.4





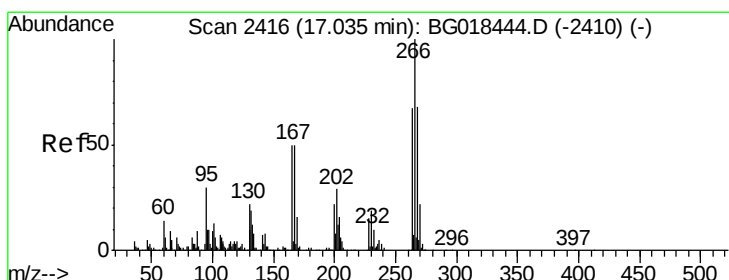
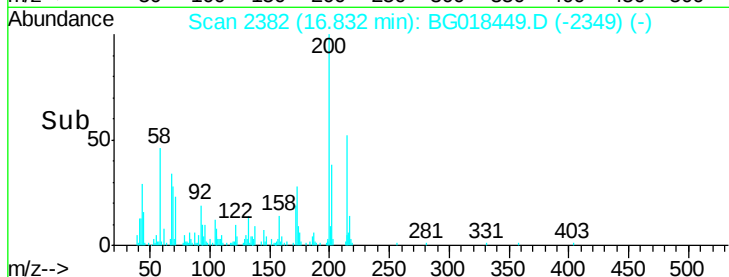
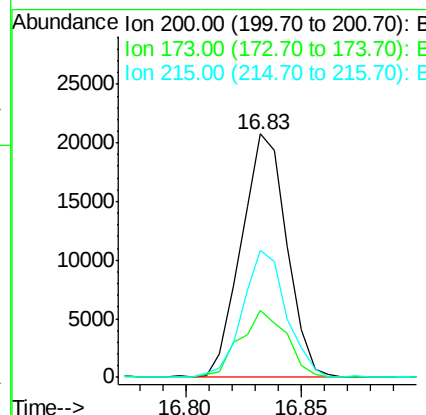
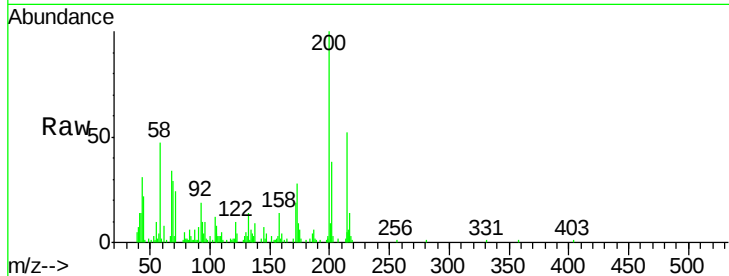
#68
Atrazine
Concen: 3.28 ng/ul
RT: 16.83 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.5	19.0	28.4
215	52.2	37.4	56.2

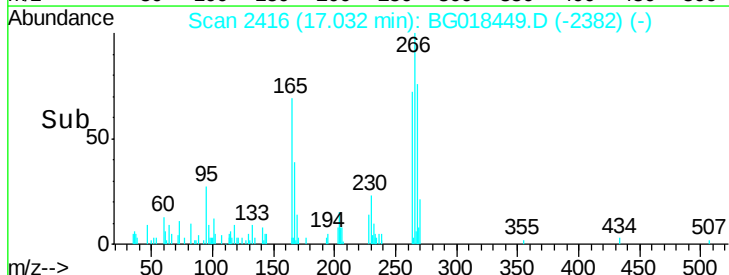
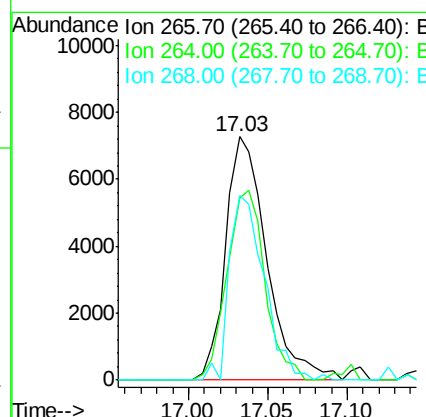
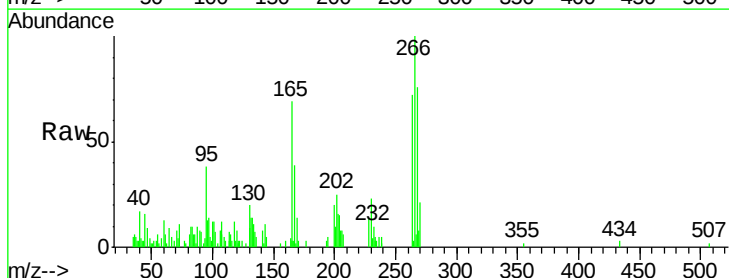
Manual Integrations
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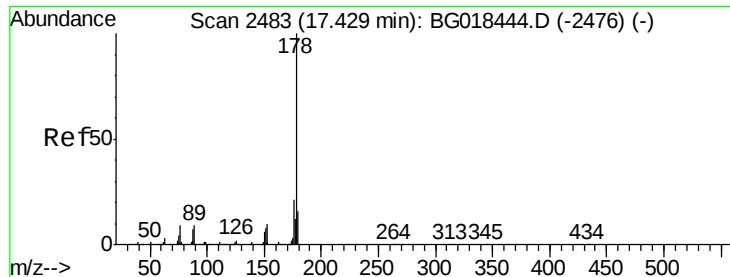
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#69
Pentachlorophenol
Concen: 2.21 ng/ul
RT: 17.03 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	75.0	55.4	83.0
268	83.8	53.6	80.4





#70

Phenanthrene

Concen: 3.41 ng/ul

RT: 17.43 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

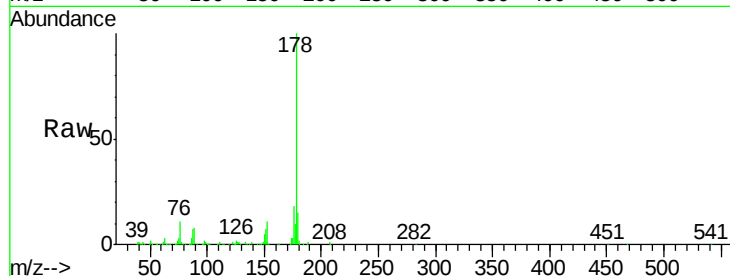
ClientSampleId :

MDL-04-S

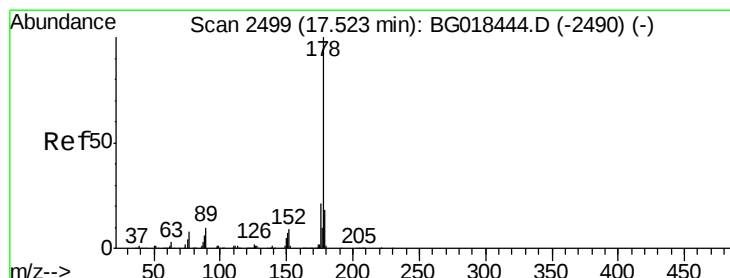
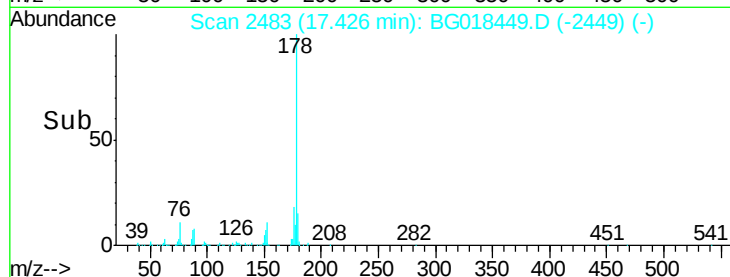
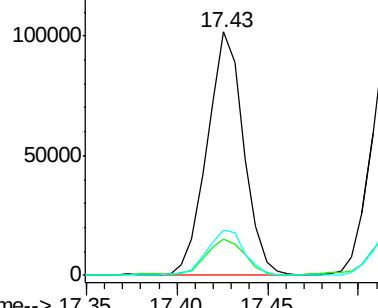
Tgt Ion:	178	Resp:	142647
Ion Ratio	Lower	Upper	
178	100		
179	14.7	13.7	20.5
176	18.3	16.6	24.8

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 3.38 ng/ul

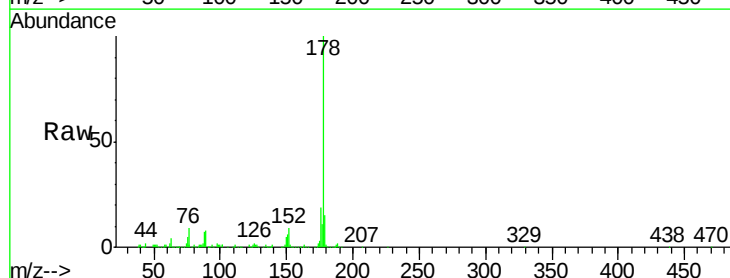
RT: 17.52 min Scan# 2499

Delta R.T. -0.00 min

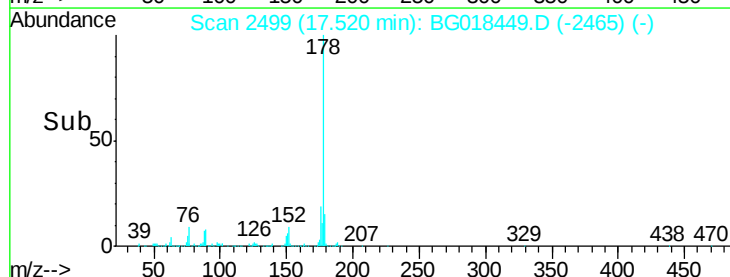
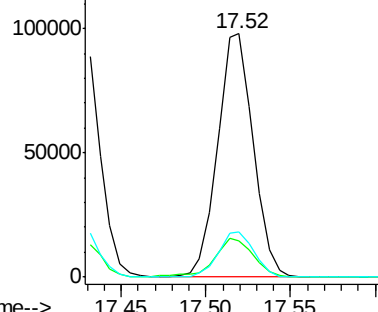
Lab File: BG018449.D

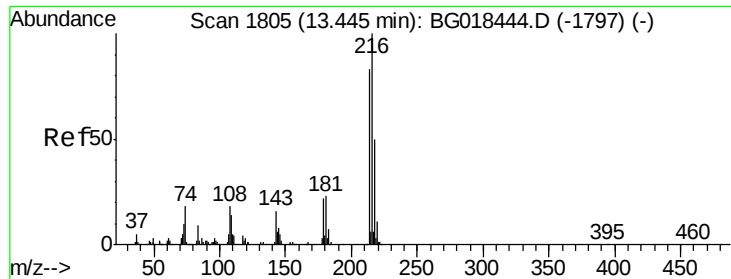
Acq: 17 Aug 2015 12:20

Tgt Ion:	178	Resp:	143823
Ion Ratio	Lower	Upper	
178	100		
179	15.1	13.0	19.4
176	18.6	16.0	24.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





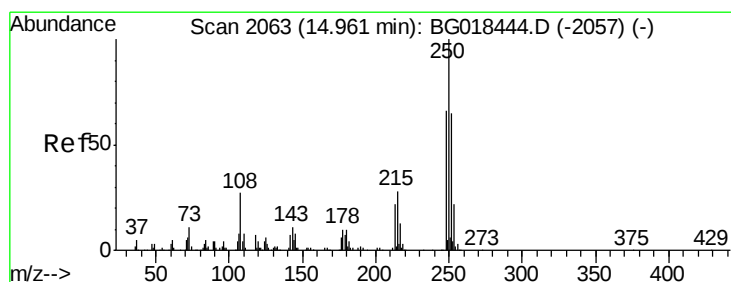
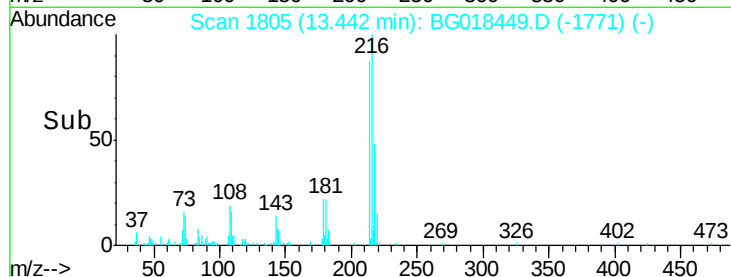
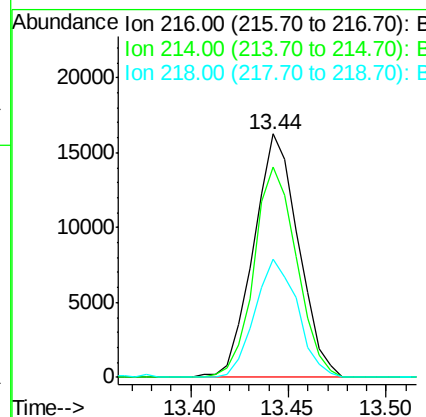
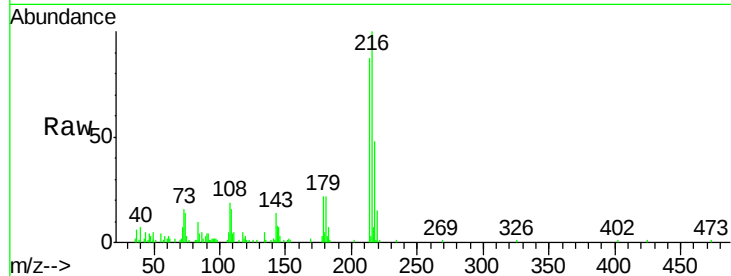
#73
1,2,3,4-Tetrachlorobenzene
Concen: 2.42 ng/uL
RT: 13.44 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
216	100		
214	86.6	64.0	96.0
218	48.4	38.7	58.1

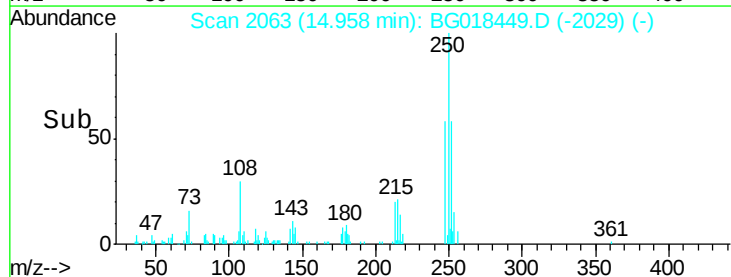
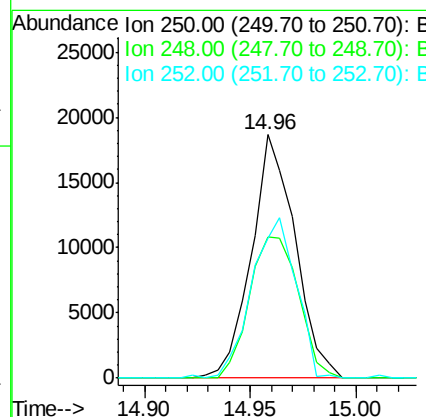
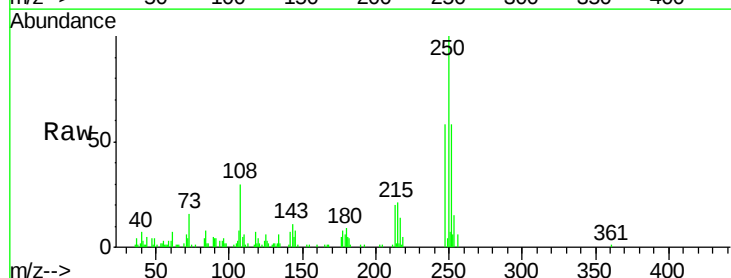
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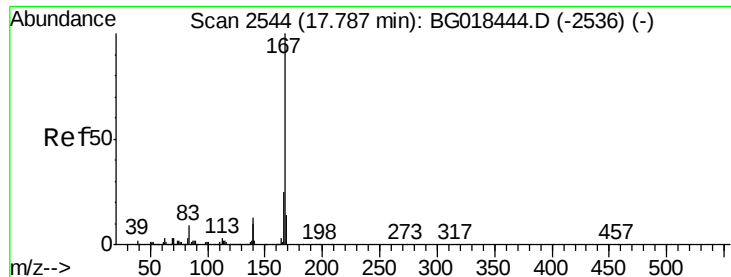
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#74
Pentachlorobenzene
Concen: 2.63 ng/uL
RT: 14.96 min Scan# 2063
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
250	100		
248	54.2	45.8	68.8
252	53.8	50.4	75.6





#75

Carbazole

Concen: 3.57 ng/ul

RT: 17.78 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BG018449.D

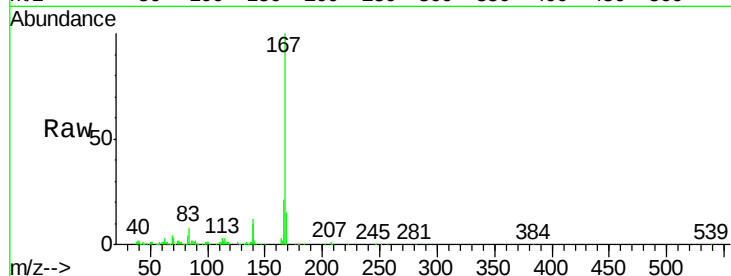
Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

ClientSampleId :

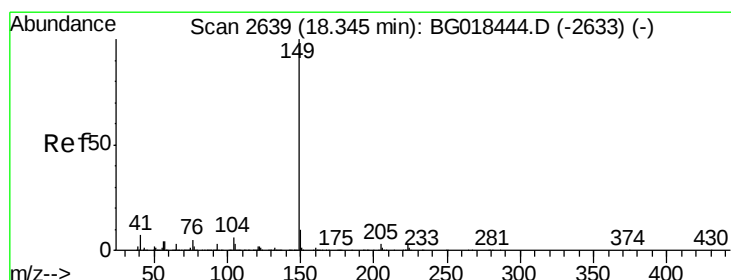
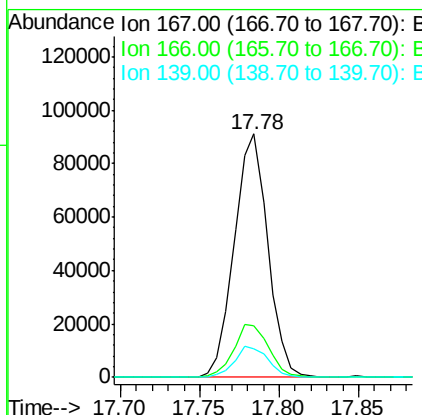
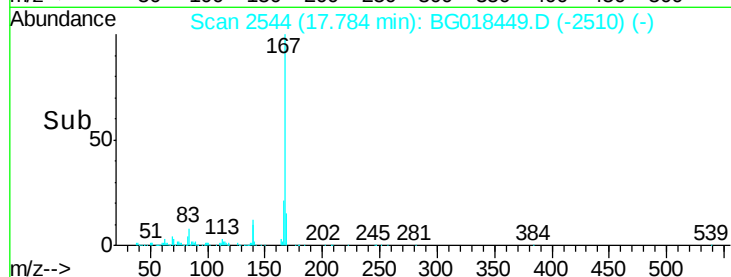
MDL-04-S



Tgt Ion:	167	Resp:	133397
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.9	28.3
139	11.8	10.1	15.1

Manual Integrations
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#76

Di-n-butylphthalate

Concen: 3.46 ng/ul

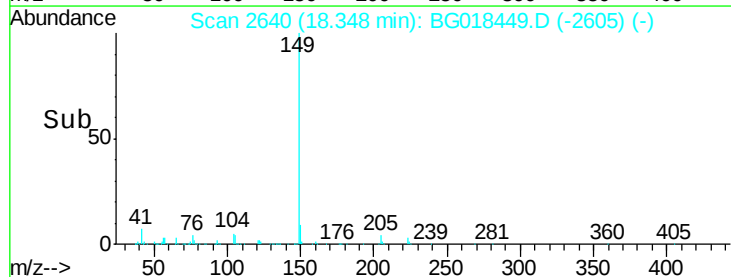
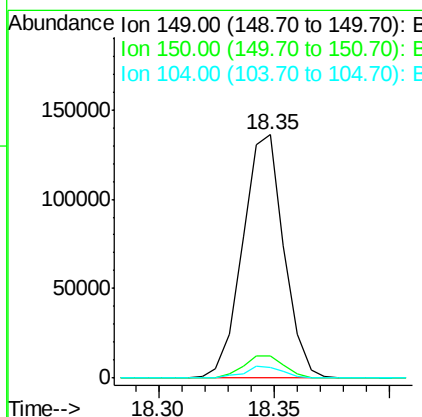
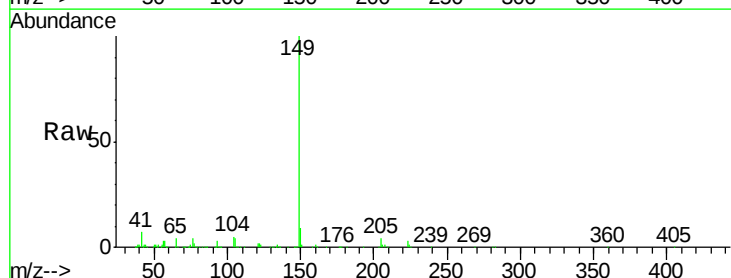
RT: 18.35 min Scan# 2640

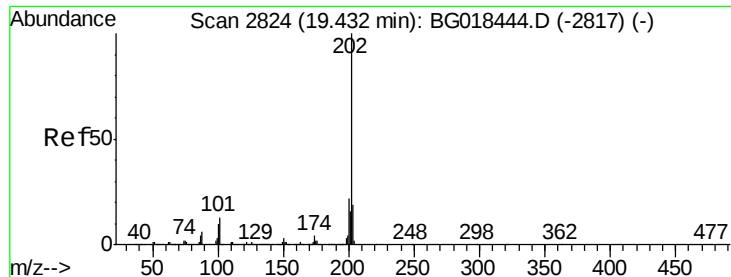
Delta R.T. 0.00 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	149	Resp:	169073
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.5	11.3
104	4.5	4.3	6.5





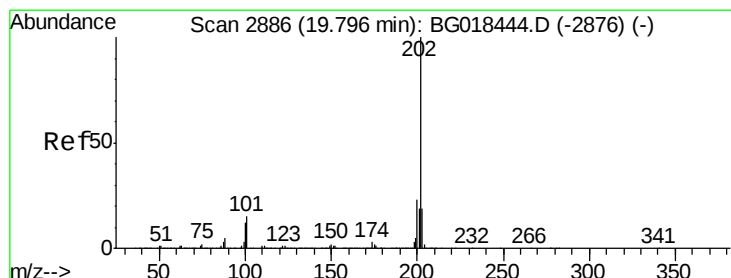
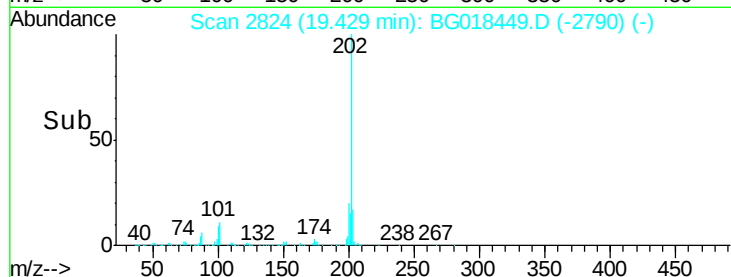
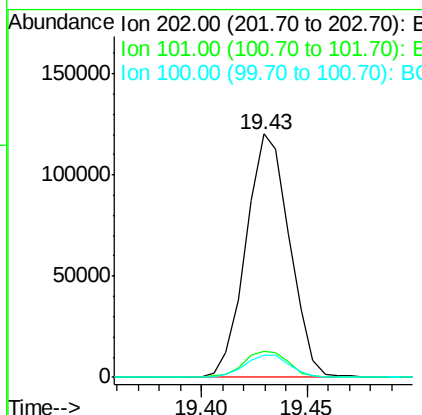
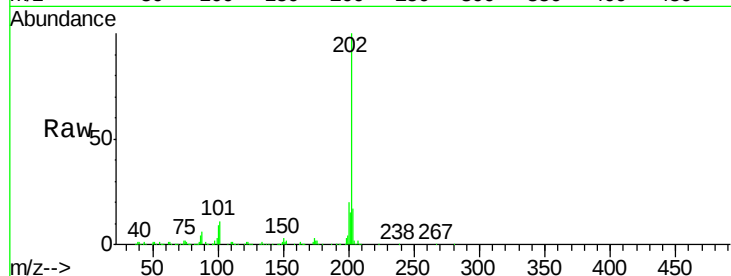
#77
Fluoranthene
 Concen: 3.86 ng/ul
 RT: 19.43 min Scan# 2824
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	172396		
101	10.9	9.7	14.5	
100	9.0	7.8	11.8	

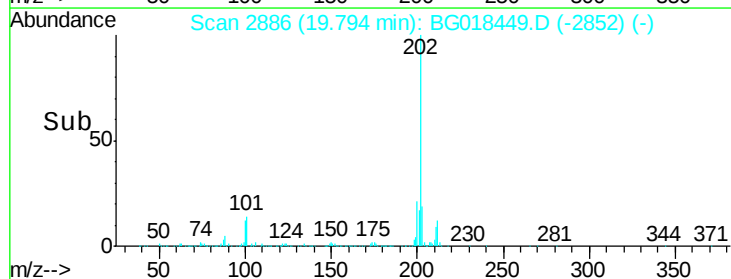
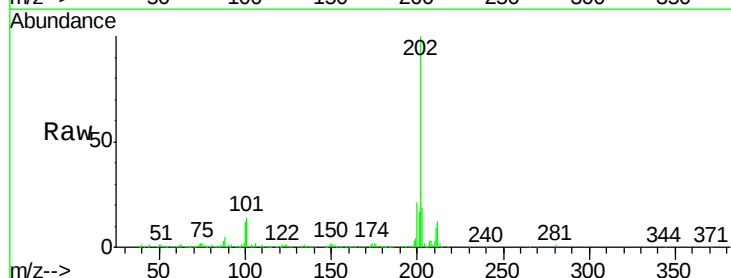
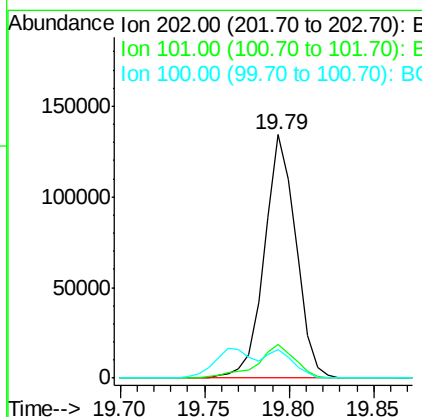
Manual Integrations
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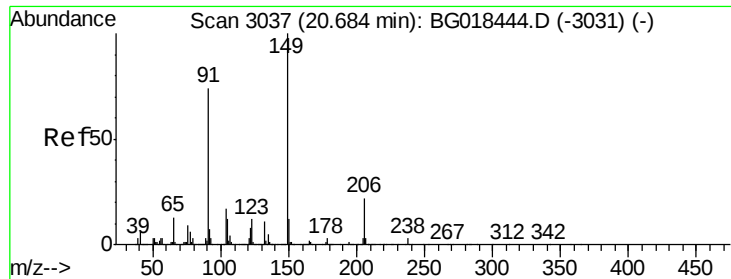
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#80
Pyrene
 Concen: 3.29 ng/ul
 RT: 19.79 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: BG018449.D
 Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	173956		
101	13.9	11.0	16.4	
100	11.6	9.8	14.6	





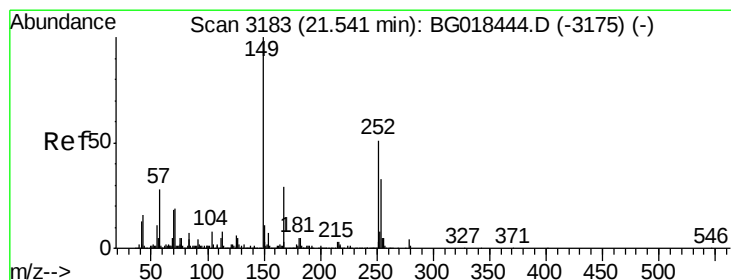
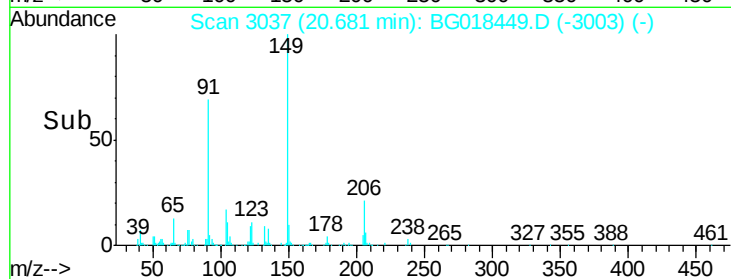
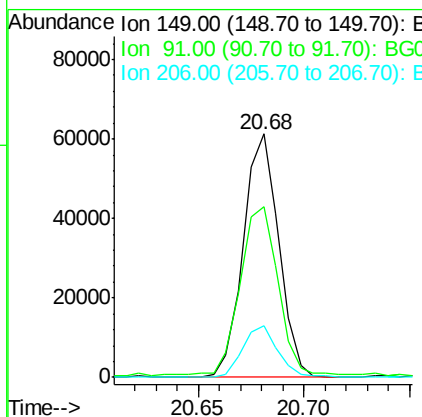
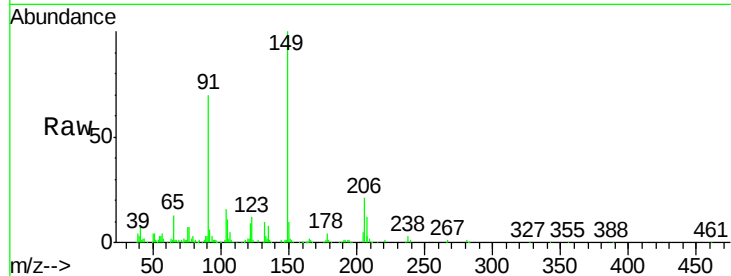
#81
Butylbenzylphthalate
Concen: 3.19 ng/ul
RT: 20.68 min Scan# 3037
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.9	57.9	86.9
206	21.0	17.9	26.9

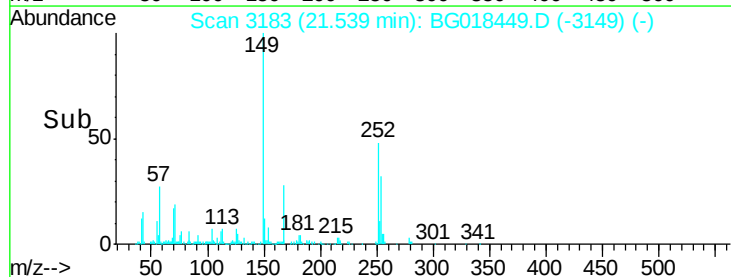
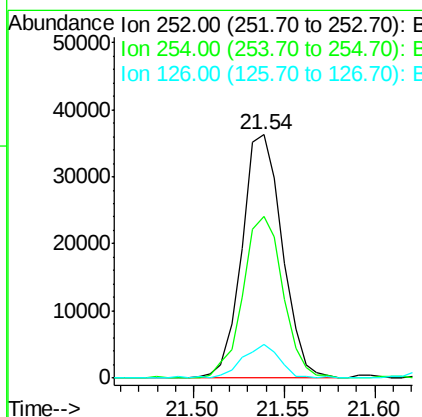
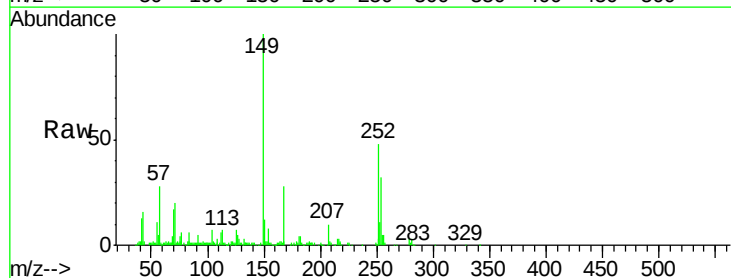
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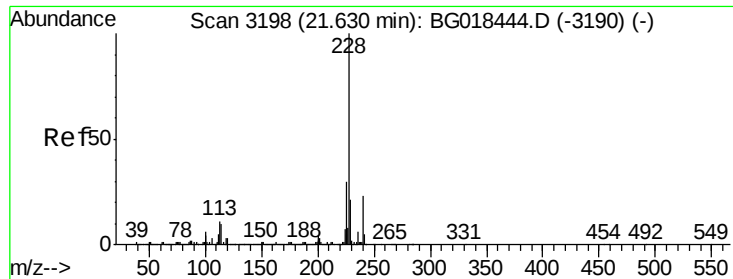
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#82
3,3'-Dichlorobenzidine
Concen: 3.45 ng/ul
RT: 21.54 min Scan# 3183
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.4	50.9	76.3
126	13.9	9.6	14.4





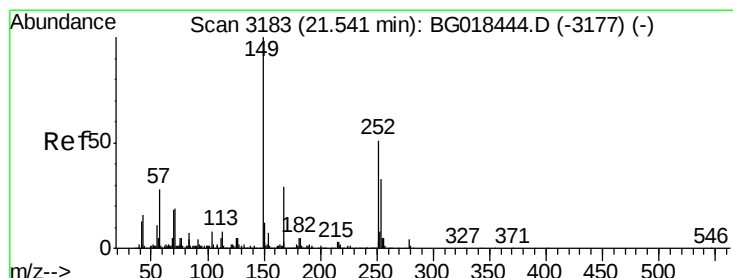
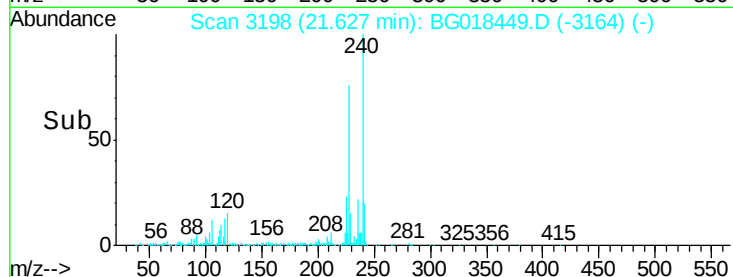
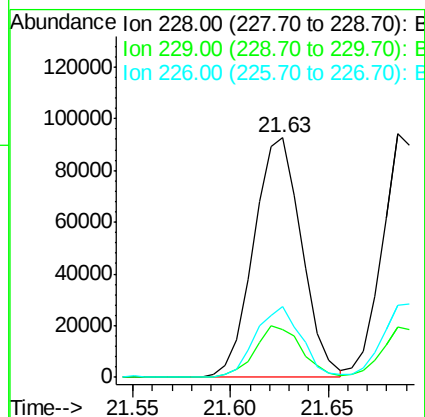
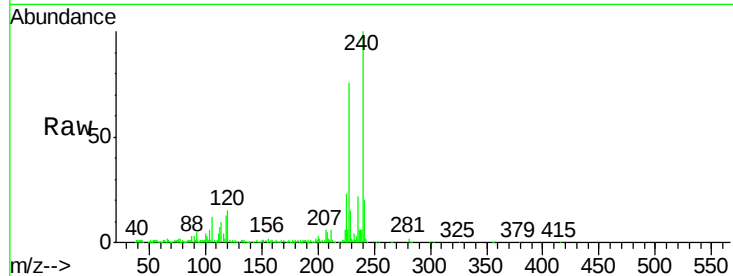
#83
Benzo(a)anthracene
Concen: 3.25 ng/ul
RT: 21.63 min Scan# 3198
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.5	23.3
226	29.8	22.1	33.1

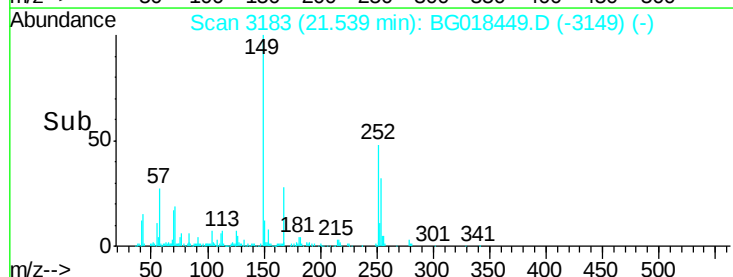
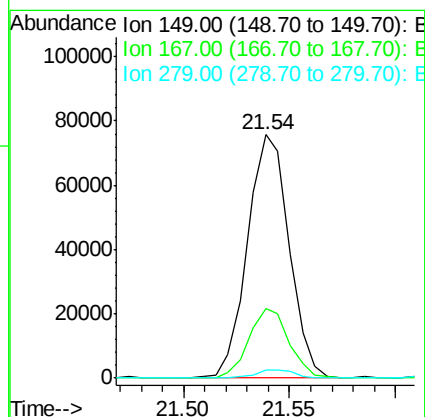
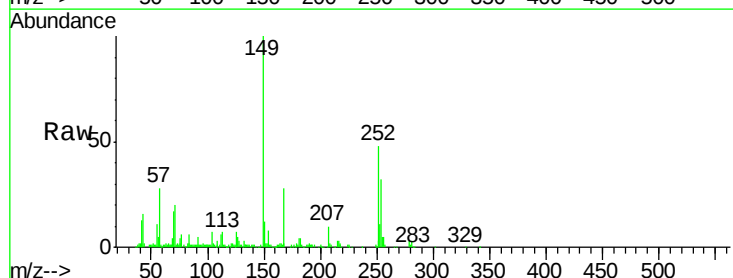
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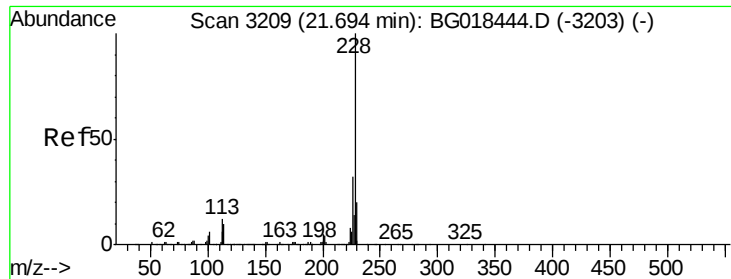
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.28 ng/ul
RT: 21.54 min Scan# 3183
Delta R.T. -0.00 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.2
279	3.5	2.8	4.2





#85

Chrysene

Concen: 3.28 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

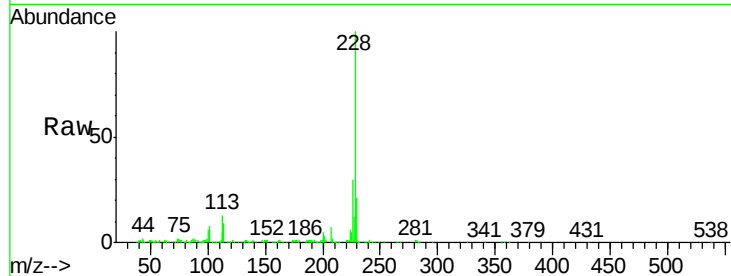
ClientSampleId :

MDL-04-S

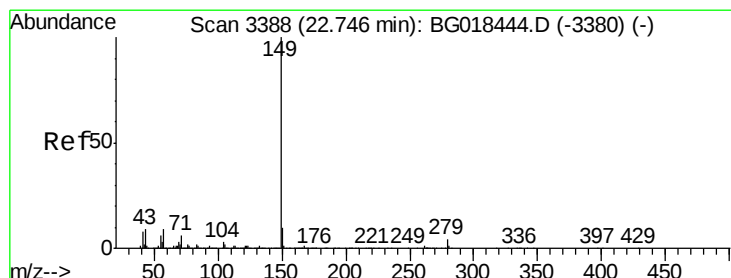
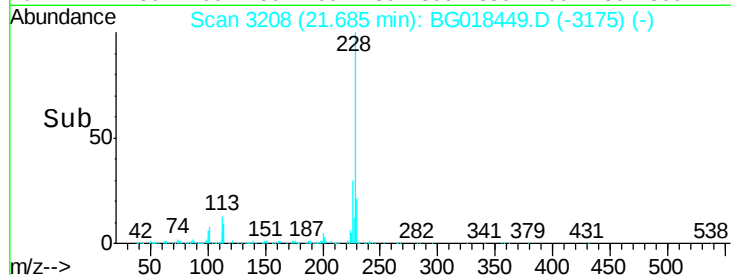
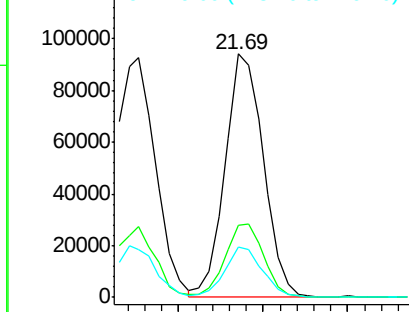
Tgt Ion:	228	Resp:	148922
Ion Ratio		Lower	Upper
228	100		
226	29.8	26.5	39.7
229	20.5	16.9	25.3

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 3.55 ng/ul

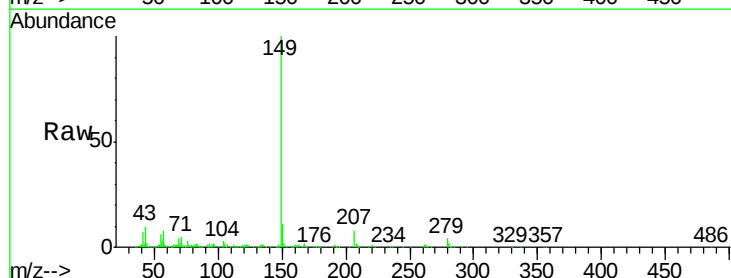
RT: 22.75 min Scan# 3389

Delta R.T. 0.00 min

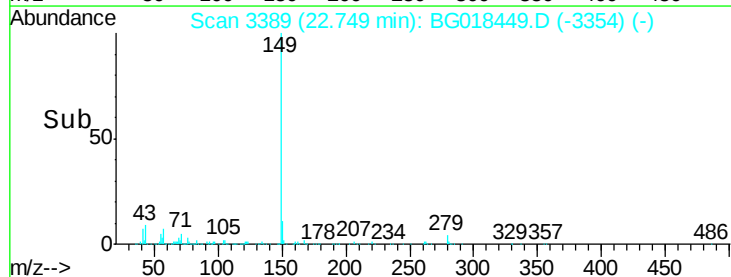
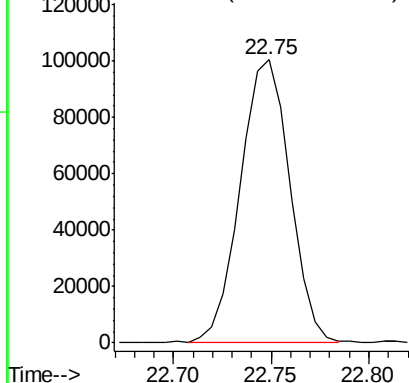
Lab File: BG018449.D

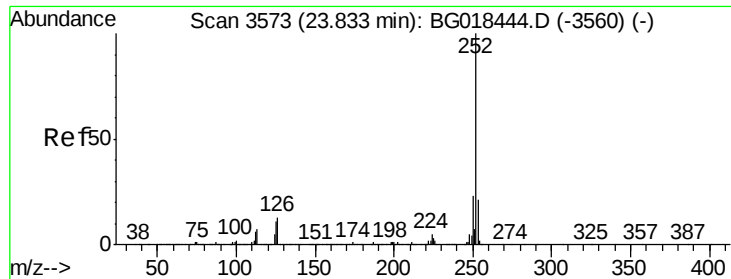
Acq: 17 Aug 2015 12:20

Tgt Ion:149 Resp: 175646



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 3.22 ng/ul

RT: 23.82 min Scan# 3572

Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Instrument :

BNA_G

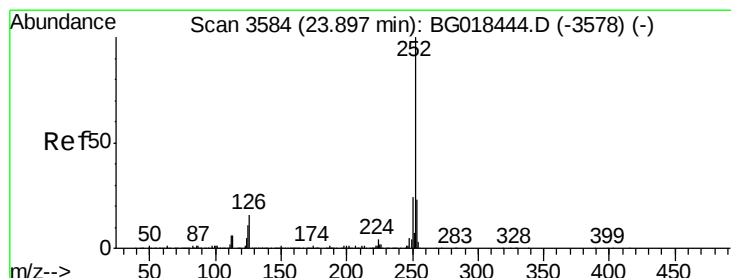
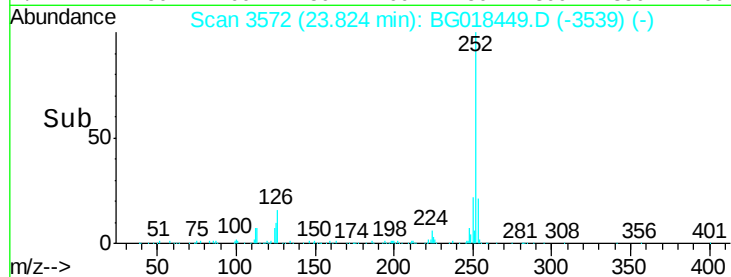
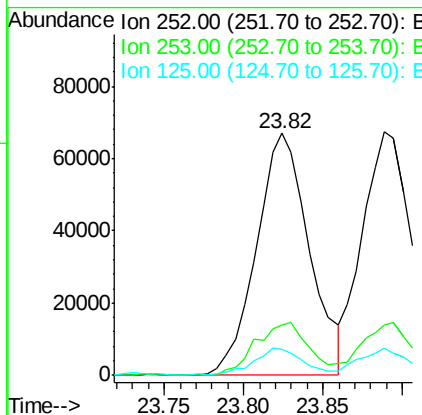
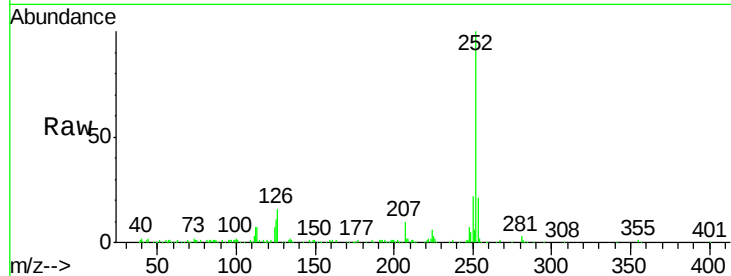
ClientSampleId :

MDL-04-S

Tgt Ion:	252	Resp:	155546
Ion Ratio	Lower	Upper	
252	100		
253	20.5	18.1	27.1
125	10.7	8.3	12.5

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#89

Benzo(k)fluoranthene

Concen: 3.20 ng/ul

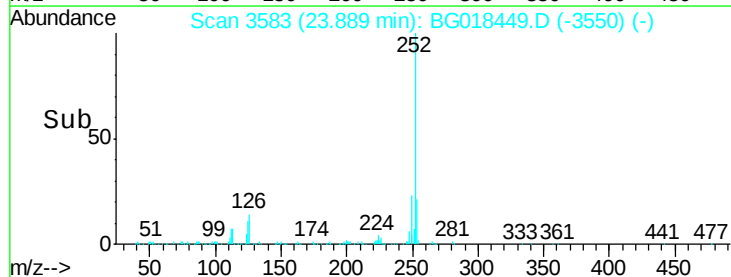
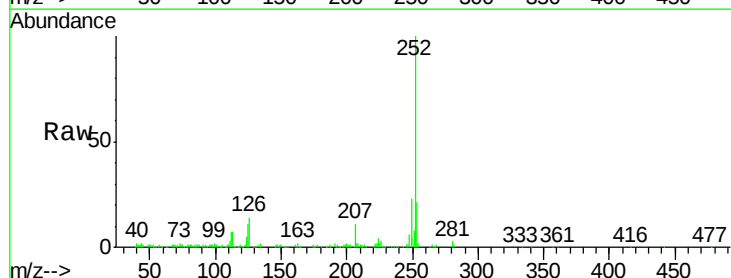
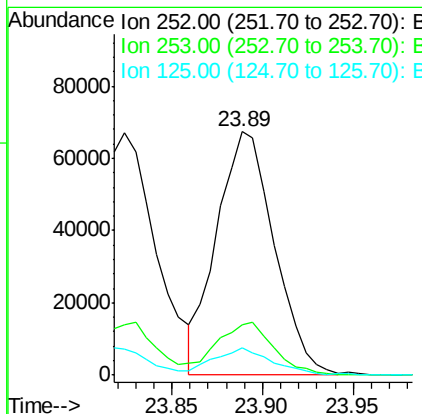
RT: 23.89 min Scan# 3583

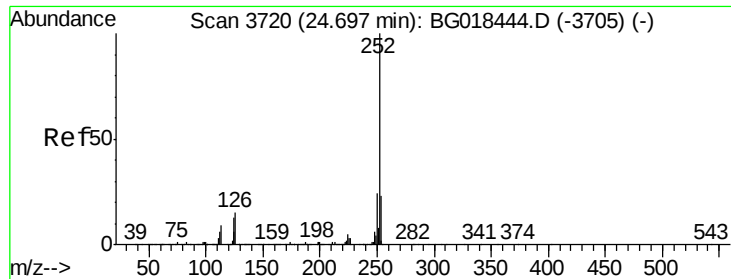
Delta R.T. -0.01 min

Lab File: BG018449.D

Acq: 17 Aug 2015 12:20

Tgt Ion:	252	Resp:	148754
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.8	26.6
125	11.2	9.0	13.4





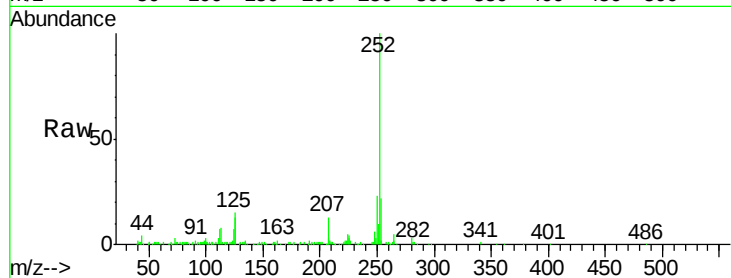
#91
Benzo(a)pyrene
Concen: 3.11 ng/ul
RT: 24.69 min Scan# 3719
Delta R.T. -0.01 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

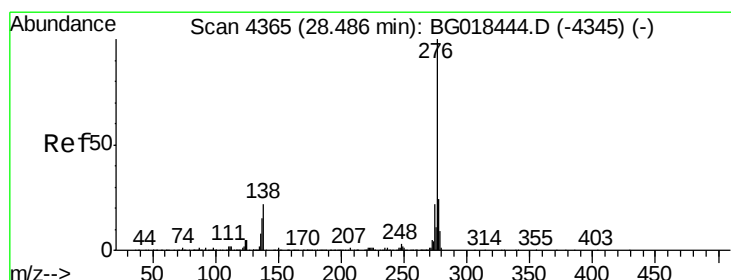
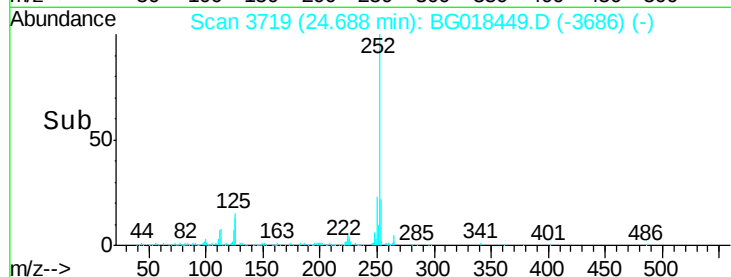
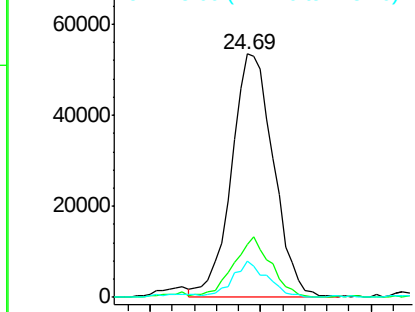
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	14.7	10.2	15.2

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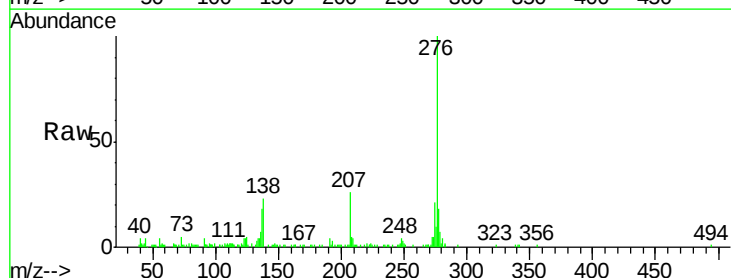


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

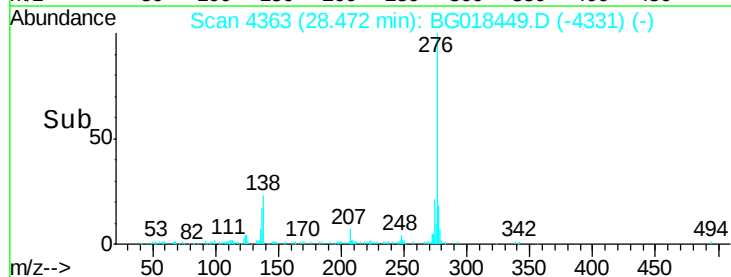
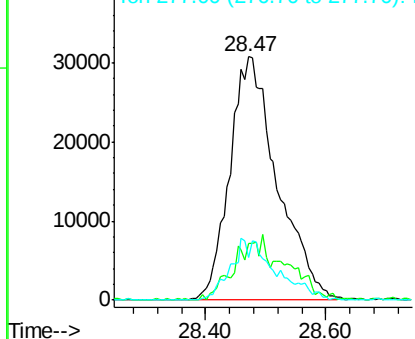


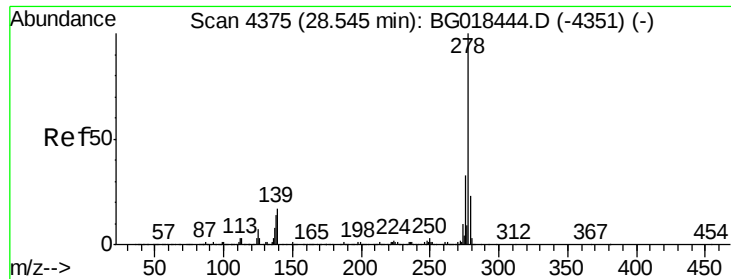
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.17 ng/ul m
RT: 28.47 min Scan# 4363
Delta R.T. -0.01 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	15.8	23.6
277	17.6	18.9	28.3#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





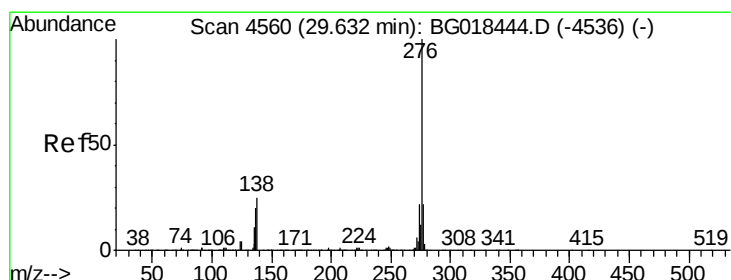
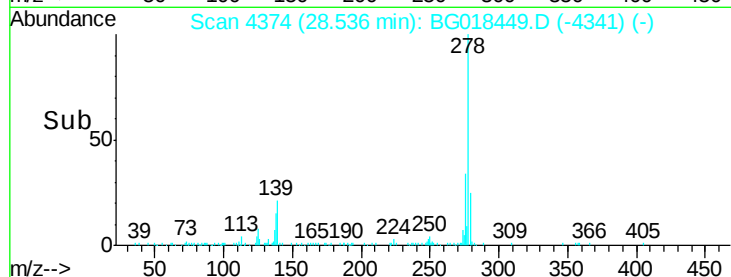
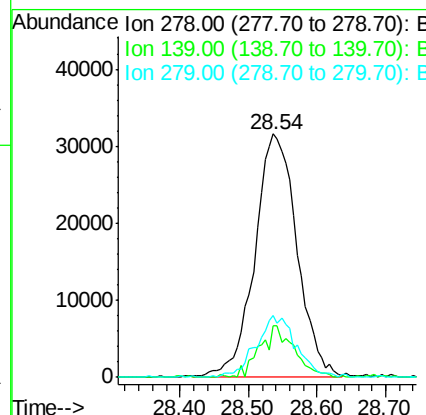
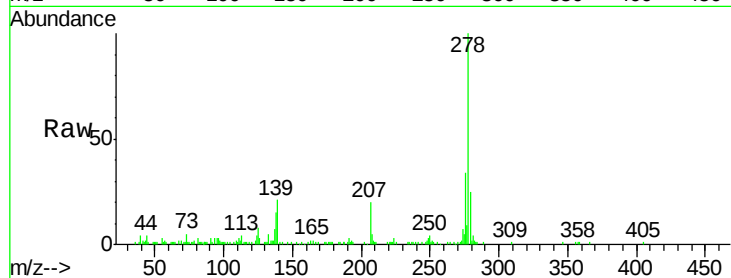
#93
Dibenzo(a,h)anthracene
Concen: 3.07 ng/ul
RT: 28.54 min Scan# 4374
Delta R.T. -0.01 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	13.8	20.6#
279	25.3	17.8	26.8

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#94
Benzo(g,h,i)perylene
Concen: 3.10 ng/ul m
RT: 29.61 min Scan# 4556
Delta R.T. -0.03 min
Lab File: BG018449.D
Acq: 17 Aug 2015 12:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	16.5	24.7
277	25.8	19.0	28.6

