

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022716\
 Data File : BG021137.D
 Acq On : 28 Feb 2016 5:29
 Operator : UM/SJ
 Sample : H1443-01MSD
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Manual Integrations
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 2/29/2016 12:40:28 PM

Quant Time: Feb 29 00:52:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 26 16:39:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	6570	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	35292	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	23749	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	57583	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	60619	20.00	ng	-0.02
86) Perylene-d12	25.05	264	53554	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	77892	207.56	ng	0.00
7) Phenol-d6	7.31	99	126680	226.85	ng	-0.01
23) Nitrobenzene-d5	9.33	82	88470	119.44	ng	-0.02
41) 2,4,6-Tribromophenol	16.26	330	43382	139.33	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	158332	85.31	ng	-0.01
78) Terphenyl-d14	20.10	244	254750	98.21	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	7994	46.00	ng	# 85
3) Pyridine	4.01	79	25992	51.14	ng	95
4) n-Nitrosodimethylamine	3.92	42	13612	52.82	ng	98
6) Aniline	7.49	93	19559	28.32	ng	92
8) 2-Chlorophenol	7.73	128	30343	64.83	ng	89
9) Benzaldehyde	7.30	77	8205	27.13	ng	82
10) Phenol	7.34	94	46433	81.17	ng	79
11) bis(2-Chloroethyl)ether	7.58	93	29066	66.29	ng	96
12) 1,3-Dichlorobenzene	8.05	146	26588	53.37	ng	# 89
13) 1,4-Dichlorobenzene	8.20	146	28190	52.98	ng	96
14) 1,2-Dichlorobenzene	8.52	146	27549	54.68	ng	96
15) Benzyl Alcohol	8.40	79	36802	75.45	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.69	45	45480	90.46	ng	93
17) 2-Methylphenol	8.60	107	30252	74.92	ng	# 90
18) Hexachloroethane	9.25	117	11226	55.77	ng	97
19) n-Nitroso-di-n-propylamine	8.97	70	31494	73.11	ng	97
20) 3+4-Methylphenols	8.92	107	42151	75.29	ng	92
22) Acetophenone	8.99	105	49897	51.22	ng	# 94
24) Nitrobenzene	9.38	77	45867	59.94	ng	90
25) Isophorone	9.89	82	88148	63.49	ng	95
26) 2-Nitrophenol	10.08	139	17293	53.45	ng	# 64
27) 2,4-Dimethylphenol	10.13	122	30611	53.64	ng	90
28) bis(2-Chloroethoxy)methane	10.37	93	44209	65.34	ng	96
29) 2,4-Dichlorophenol	10.62	162	31912	57.13	ng	96
30) 1,2,4-Trichlorobenzene	10.83	180	28591	45.16	ng	99
31) Naphthalene	11.03	128	95684	52.78	ng	98
33) 4-Chloroaniline	11.13	127	12097	15.98	ng	# 88
34) Hexachlorobutadiene	11.30	225	17282	40.79	ng	96
35) Caprolactam	11.90	113	13183m	69.84	ng	
36) 4-Chloro-3-methylphenol	12.23	107	45031	65.75	ng	87
37) 2-Methylnaphthalene	12.62	142	73467	57.71	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	12.98	216	36491	41.58	ng	# 97
40) Hexachlorocyclopentadiene	12.95	237	42211	73.14	ng	99
42) 2,4,6-Trichlorophenol	13.21	196	28861	52.44	ng	96

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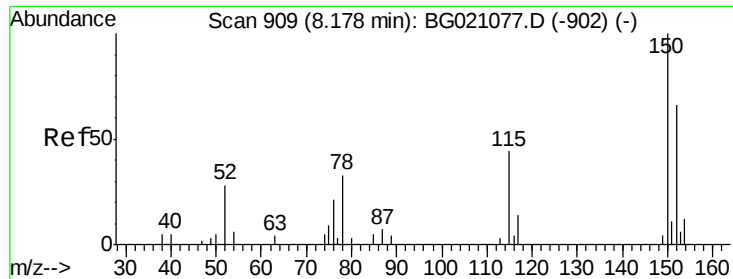
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	13.28	196	32153	56.86	ng	94
45) 1,1'-Biphenyl	13.61	154	96908	48.46	ng	95
46) 2-Chloronaphthalene	13.66	162	75585	49.81	ng	96
47) 2-Nitroaniline	13.85	65	37401	76.07	ng	# 75
48) Acenaphthylene	14.50	152	127526	53.12	ng	98
49) Dimethylphthalate	14.22	163	141909	69.33	ng	98
50) 2,6-Dinitrotoluene	14.34	165	23947	56.87	ng	# 63
51) Acenaphthene	14.83	154	82484	50.37	ng	99
52) 3-Nitroaniline	14.67	138	13274	32.40	ng	# 78
53) 2,4-Dinitrophenol	14.87	184	8572	29.20	ng	88
54) Dibenzofuran	15.17	168	122090	58.85	ng	93
55) 4-Nitrophenol	14.96	139	44203	121.63	ng	# 55
56) 2,4-Dinitrotoluene	15.12	165	35079	58.09	ng	# 68
57) Fluorene	15.82	166	107708	53.37	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.39	232	28244	57.47	ng	# 97
59) Diethylphthalate	15.58	149	118340	54.86	ng	98
60) 4-Chlorophenyl-phenylether	15.80	204	52889	47.64	ng	98
61) 4-Nitroaniline	15.83	138	27150	58.19	ng	# 58
62) Azobenzene	16.10	77	135094	72.28	ng	94
64) 4,6-Dinitro-2-methylphenol	15.88	198	18792	44.49	ng	93
65) n-Nitrosodiphenylamine	16.02	169	96914	57.05	ng	94
66) 4-Bromophenyl-phenylether	16.70	248	31621	46.64	ng	# 87
67) Hexachlorobenzene	16.81	284	31938	44.65	ng	# 88
68) Atrazine	16.96	200	36806	58.47	ng	98
69) Pentachlorophenol	17.15	266	40711	84.32	ng	93
70) Phenanthrene	17.55	178	171001	55.19	ng	98
71) Anthracene	17.64	178	166862	53.48	ng	98
72) Carbazole	17.91	167	156499	58.09	ng	97
73) Di-n-butylphthalate	18.45	149	207562	58.45	ng	# 98
74) Fluoranthene	19.55	202	200115	51.49	ng	97
76) Benzidine	19.72	184	38401	24.08	ng	97
77) Pyrene	19.91	202	204698	60.98	ng	99
79) Butylbenzylphthalate	20.78	149	92296	65.89	ng	89
80) Benzo(a)anthracene	21.75	228	193696	55.53	ng	97
81) 3,3'-Dichlorobenzidine	21.66	252	23567	17.27	ng	100
82) Chrysene	21.82	228	175131	52.14	ng	98
83) Bis(2-ethylhexyl)phthalate	21.64	149	135619	62.69	ng	95
84) Di-n-octyl phthalate	22.88	149	232912	64.24	ng	99
85) Indeno(1,2,3-cd)pyrene	28.81	276	199081	49.16	ng	# 100
87) Benzo(b)fluoranthene	24.01	252	187756	56.09	ng	100
88) Benzo(k)fluoranthene	24.08	252	182422	55.28	ng	97
89) Benzo(a)pyrene	24.90	252	180126	56.06	ng	96
90) Dibenzo(a,h)anthracene	28.87	278	168381	51.98	ng	96
91) Benzo(g,h,i)perylene	29.98	276	161064	51.62	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

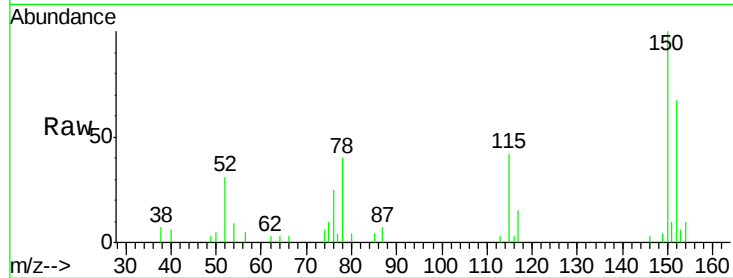
ClientSampleId :

EP004MSD

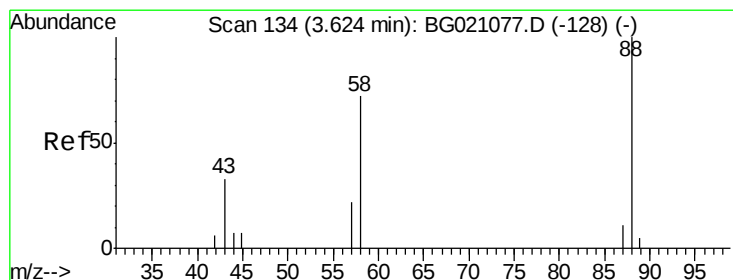
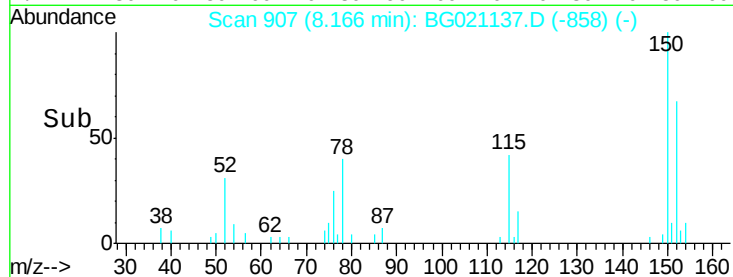
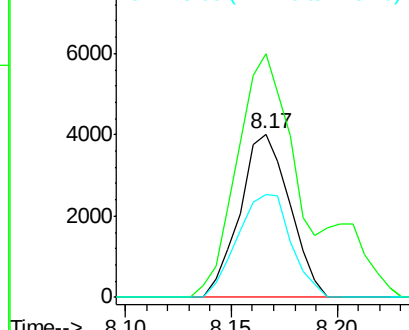
Tgt Ion:	152	Resp:	6570
Ion Ratio	Lower	Upper	
152	100		
150	148.8	123.4	185.2
115	63.0	43.3	64.9

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 46.00 ng

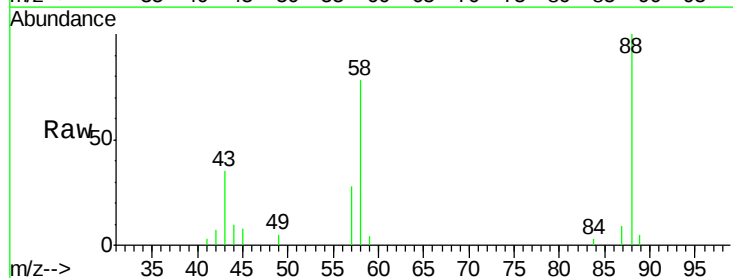
RT: 3.61 min Scan# 131

Delta R.T. -0.02 min

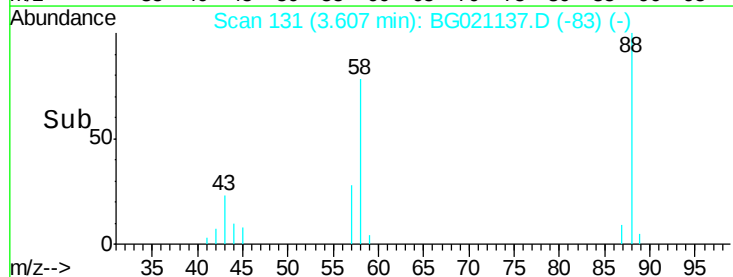
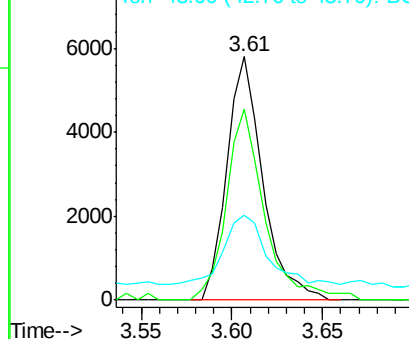
Lab File: BG021137.D

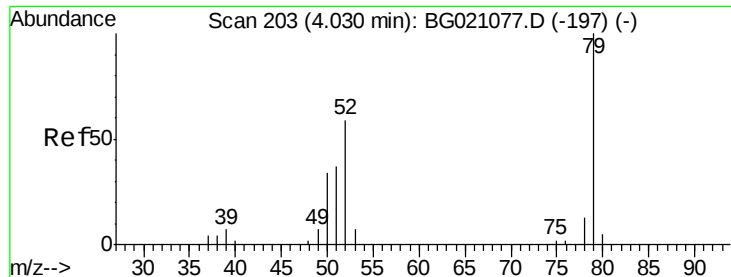
Acq: 28 Feb 2016 5:29

Tgt Ion:	88	Resp:	7994
Ion Ratio	Lower	Upper	
88	100		
58	83.6	55.9	83.9
43	34.5	22.5	33.7#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 51.14 ng

RT: 4.01 min Scan# 199

Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

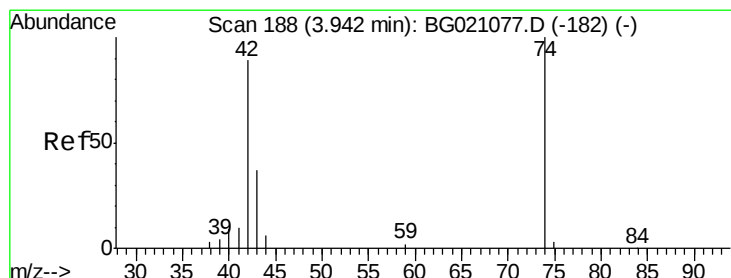
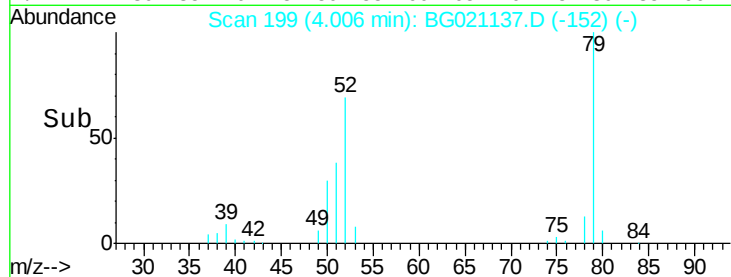
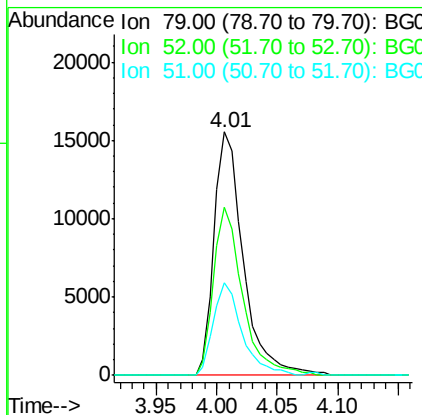
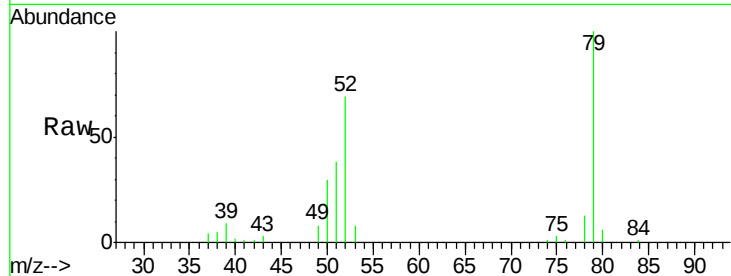
ClientSampleId :

EP004MSD

Tgt Ion:	79	Resp:	25992
Ion	Ratio	Lower	Upper
79	100		
52	69.3	53.2	79.8
51	37.8	26.1	39.1

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#4

n-Nitrosodimethylamine

Concen: 52.82 ng

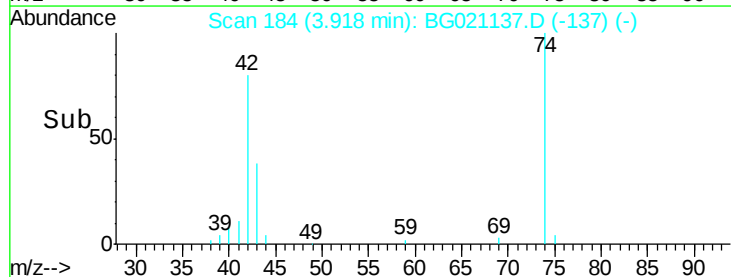
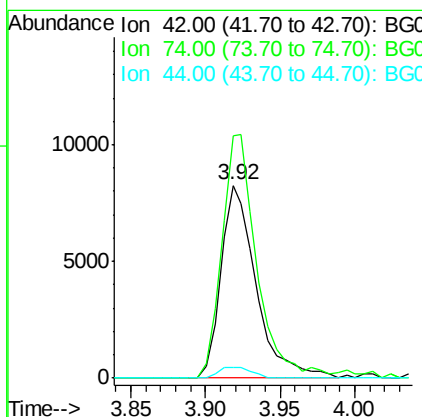
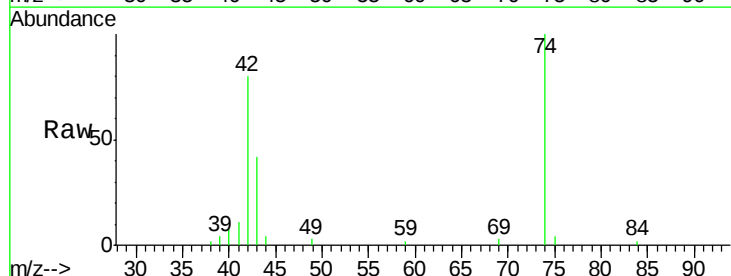
RT: 3.92 min Scan# 184

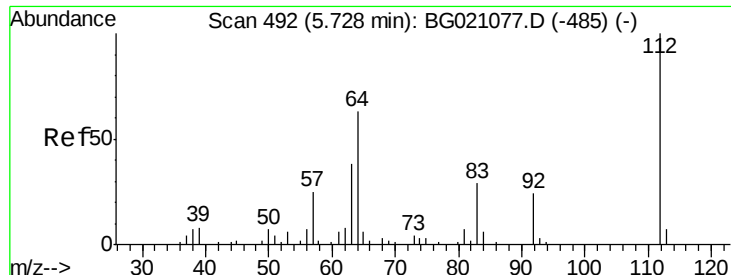
Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	42	Resp:	13612
Ion	Ratio	Lower	Upper
42	100		
74	125.6	102.3	153.5
44	5.6	4.8	7.2





#5

2-Fluorophenol

Concen: 207.56 ng

RT: 5.72 min Scan# 491

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

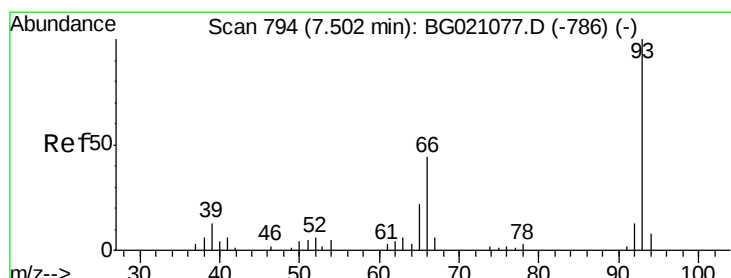
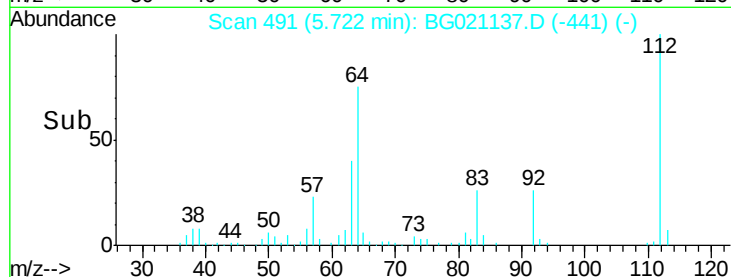
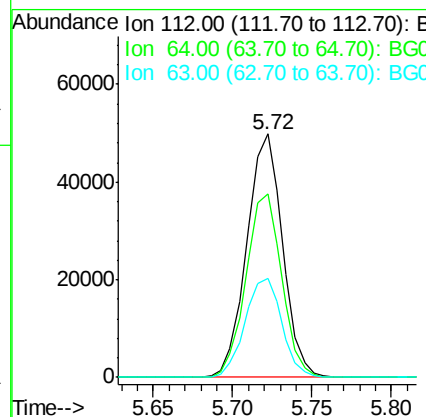
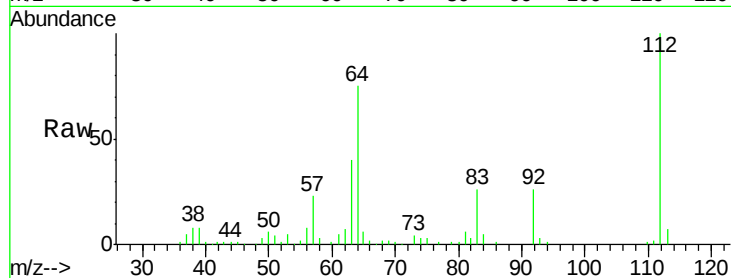
ClientSampleId :

EP004MSD

Tgt Ion:	112	Resp:	77892
Ion Ratio	Lower	Upper	
112	100		
64	75.3	42.6	63.8#
63	40.5	21.7	32.5#

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#6

Aniline

Concen: 28.32 ng

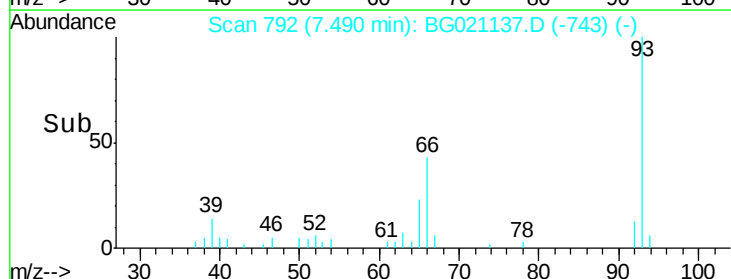
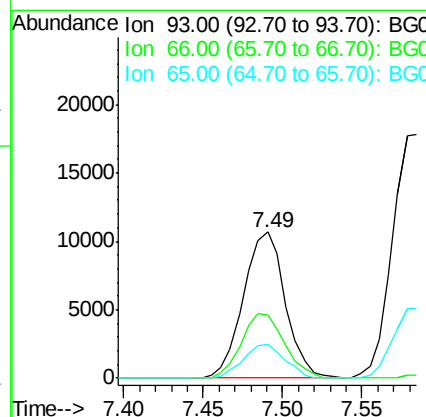
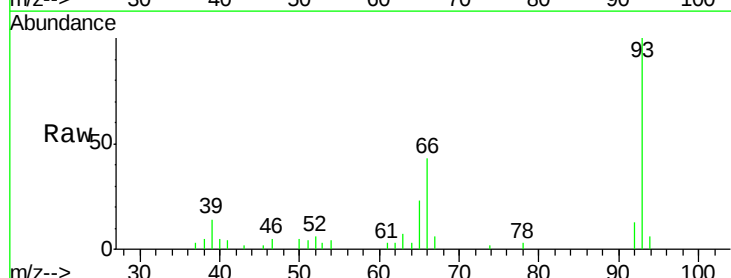
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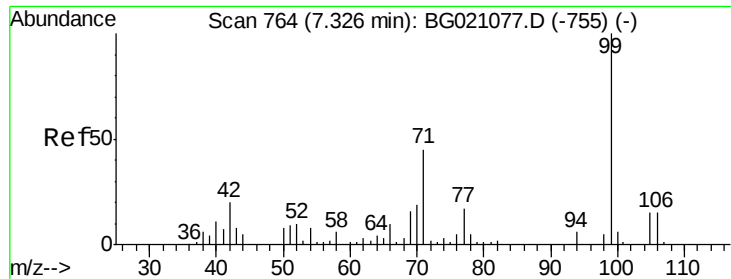
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	93	Resp:	19559
Ion Ratio	Lower	Upper	
93	100		
66	43.5	30.1	45.1
65	23.3	16.6	24.8





#7

Phenol-d6

Concen: 226.85 ng

RT: 7.31 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampleId :

EP004MSD

Tgt Ion: 99 Resp: 126680

Ion Ratio Lower Upper

99 100

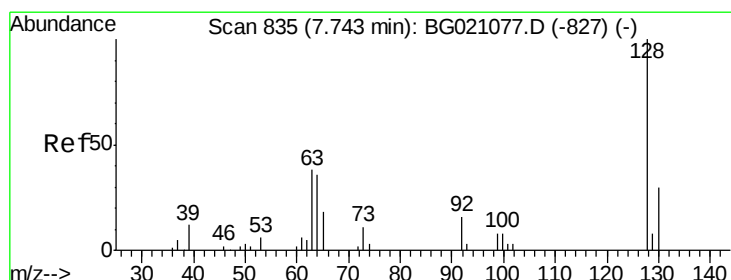
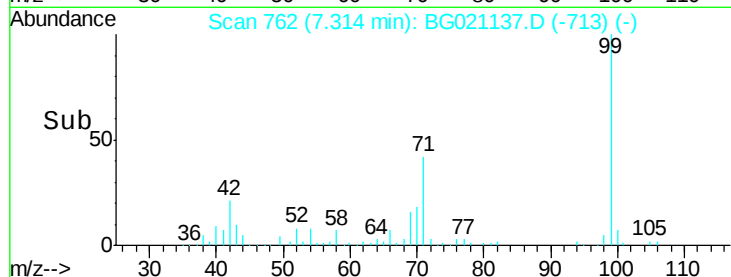
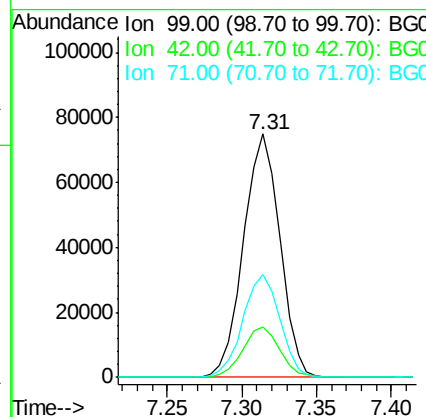
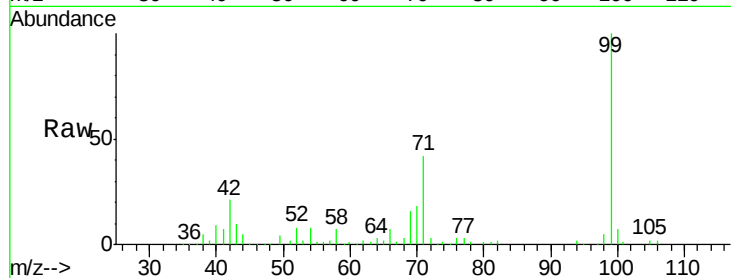
42 20.9 13.2 19.8#

71 42.4 25.2 37.8#

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#8

2-Chlorophenol

Concen: 64.83 ng

RT: 7.73 min Scan# 833

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

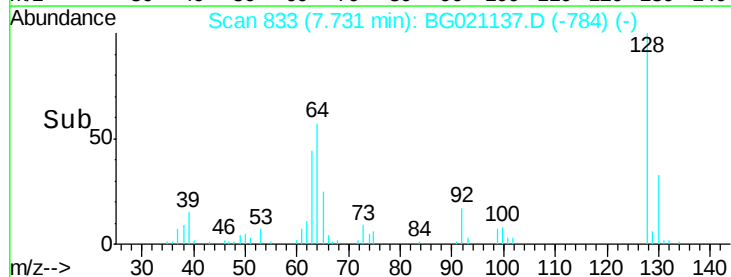
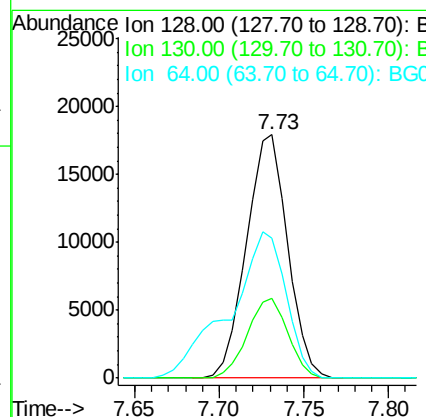
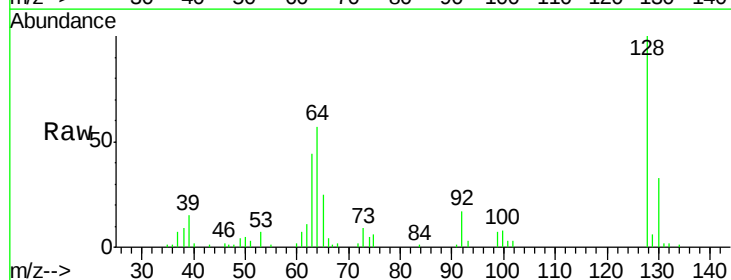
Tgt Ion: 128 Resp: 30343

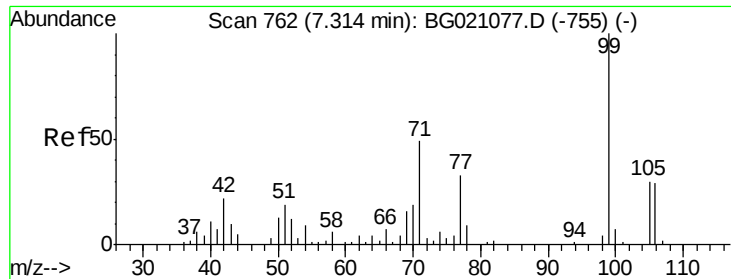
Ion Ratio Lower Upper

128 100

130 32.8 11.9 51.9

64 57.3 25.8 65.8





#9

Benzaldehyde

Concen: 27.13 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

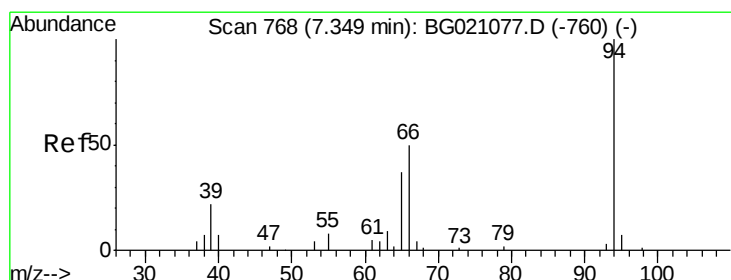
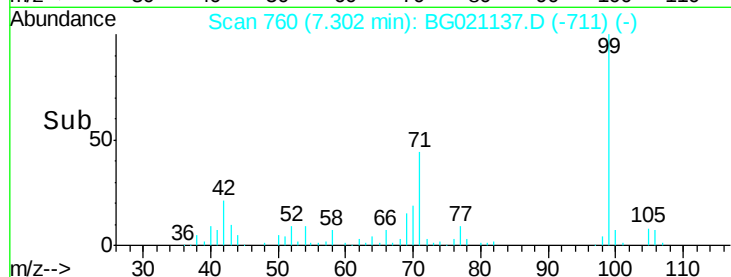
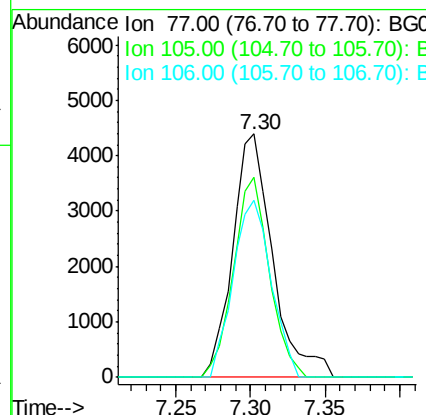
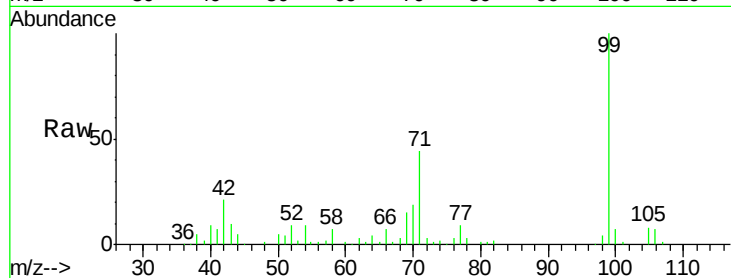
ClientSampleId :

EP004MSD

Tgt Ion:	77	Resp:	8205
Ion	Ratio	Lower	Upper
77	100		
105	82.2	77.4	117.4
106	72.9	72.8	112.8

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#10

Phenol

Concen: 81.17 ng

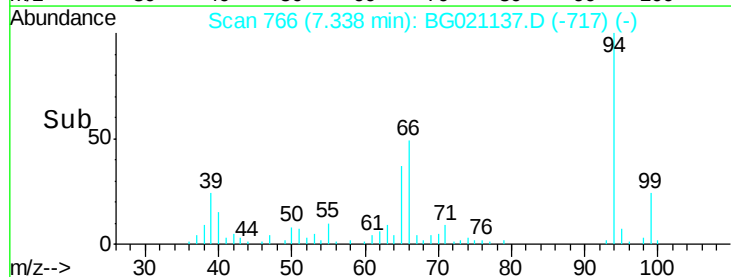
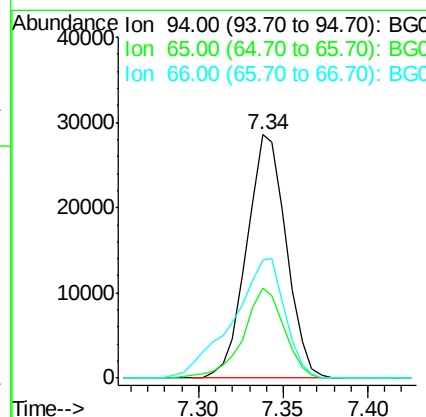
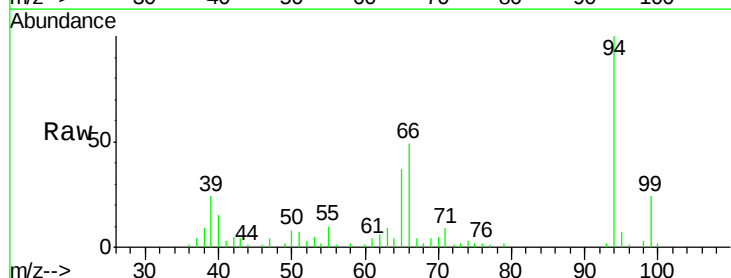
RT: 7.34 min Scan# 766

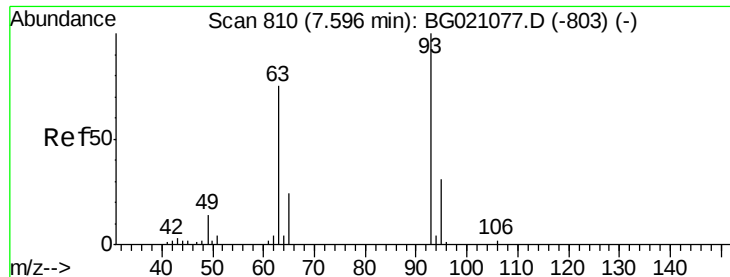
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	94	Resp:	46433
Ion	Ratio	Lower	Upper
94	100		
65	37.0	7.2	47.2
66	48.7	15.4	55.4





#11

bis(2-Chloroethyl)ether

Concen: 66.29 ng

RT: 7.58 min Scan# 808

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

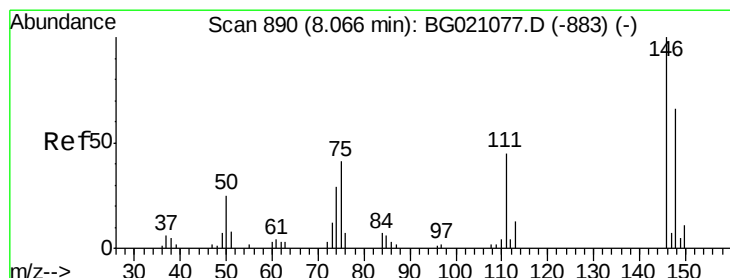
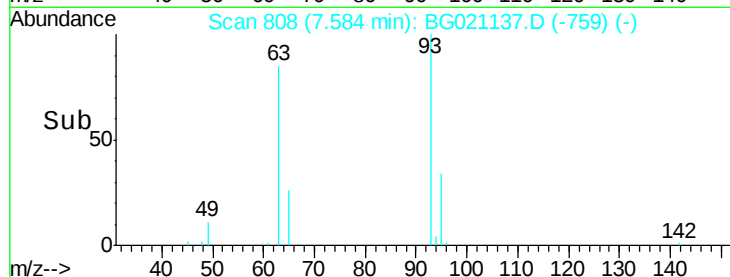
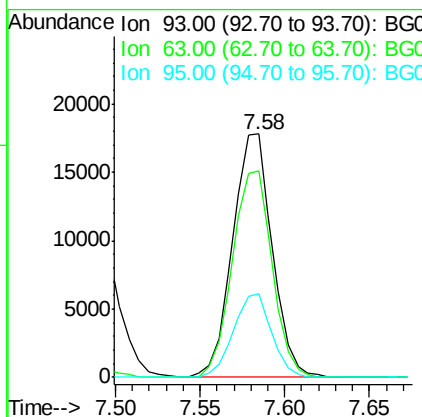
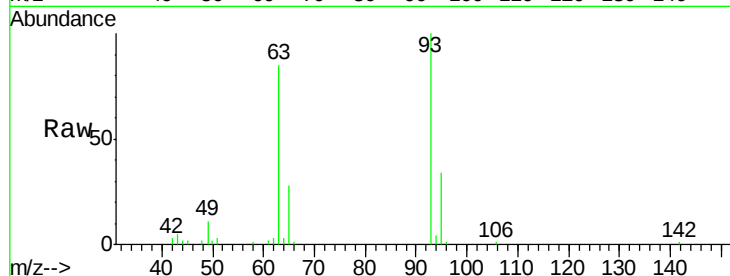
ClientSampleId :

EP004MSD

Tgt Ion:	93	Resp:	29066
Ion	Ratio	Lower	Upper
93	100		
63	85.0	60.5	100.5
95	34.3	14.6	54.6

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#12

1,3-Dichlorobenzene

Concen: 53.37 ng

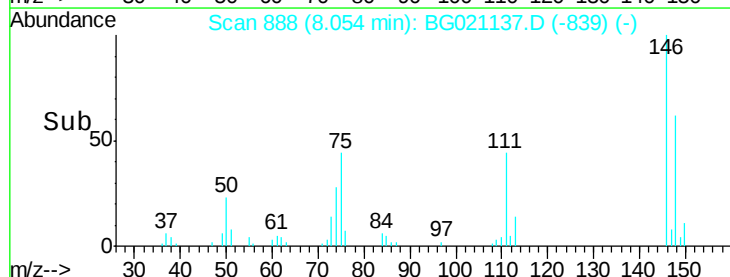
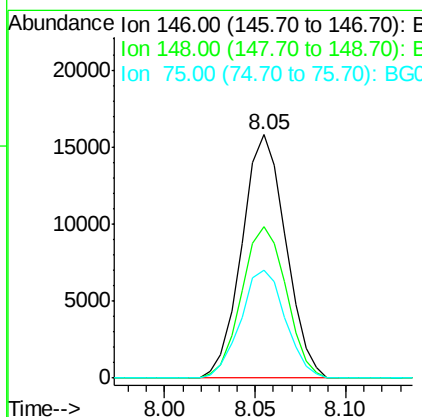
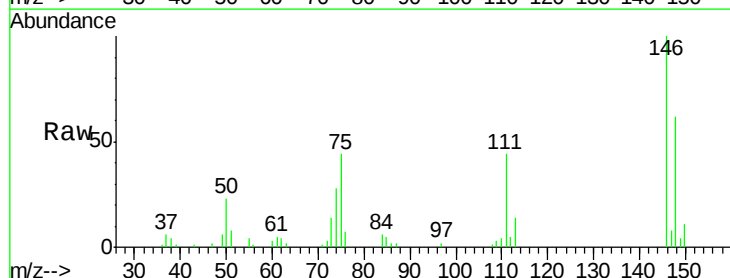
RT: 8.05 min Scan# 888

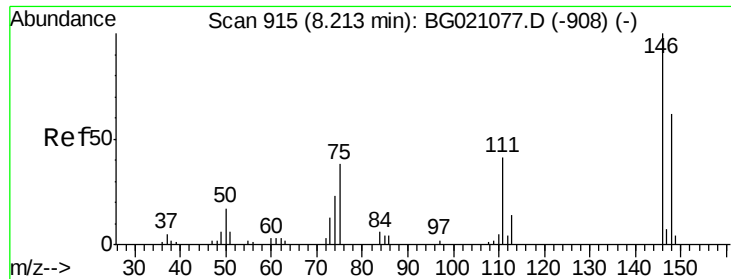
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	146	Resp:	26588
Ion	Ratio	Lower	Upper
146	100		
148	62.1	52.6	78.8
75	44.2	24.0	36.0





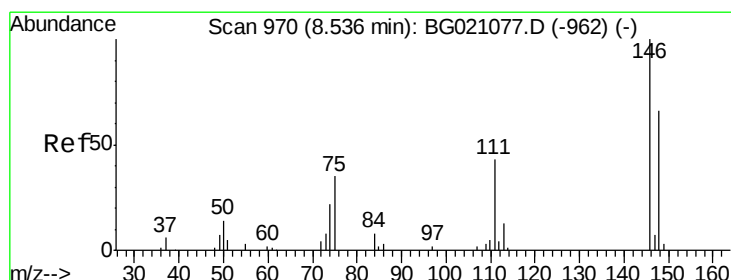
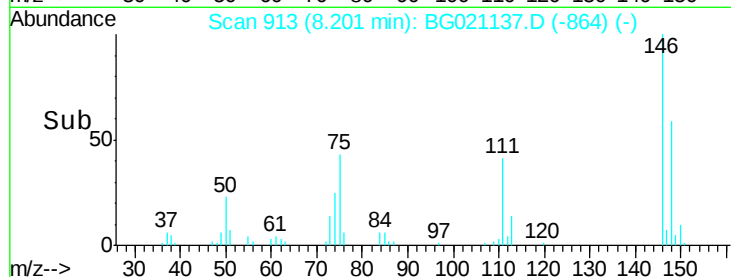
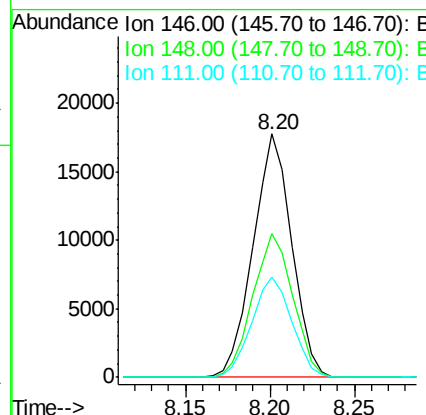
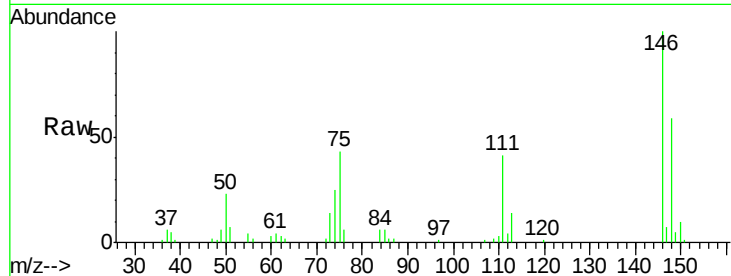
#13
 1,4-Dichlorobenzene
 Concen: 52.98 ng
 RT: 8.20 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
148	59.2	50.2	75.4
111	41.0	31.9	47.9

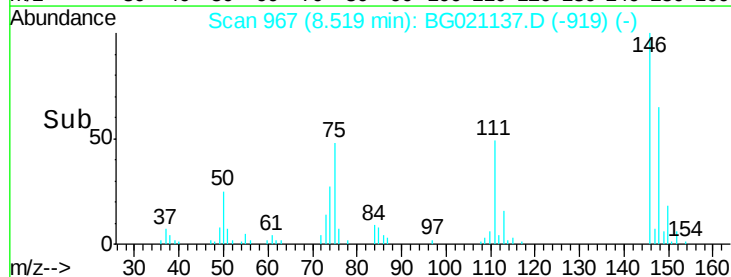
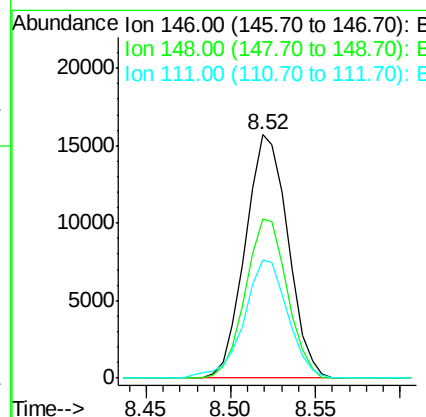
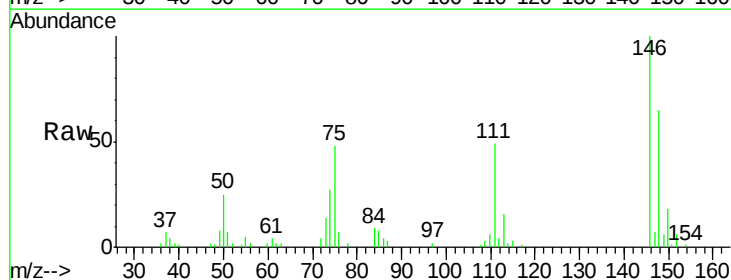
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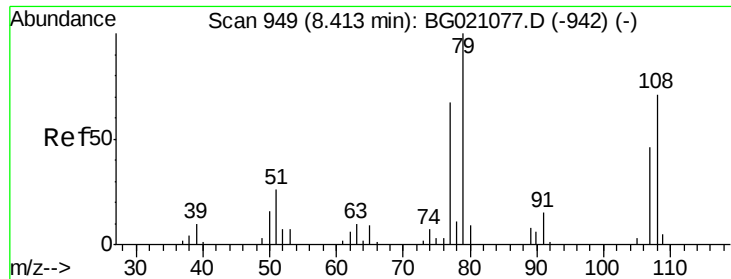
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#14
 1,2-Dichlorobenzene
 Concen: 54.68 ng
 RT: 8.52 min Scan# 967
 Delta R.T. -0.02 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
148	65.4	50.5	75.7
111	48.6	35.4	53.2





#15

Benzyl Alcohol

Concen: 75.45 ng

RT: 8.40 min Scan# 947

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

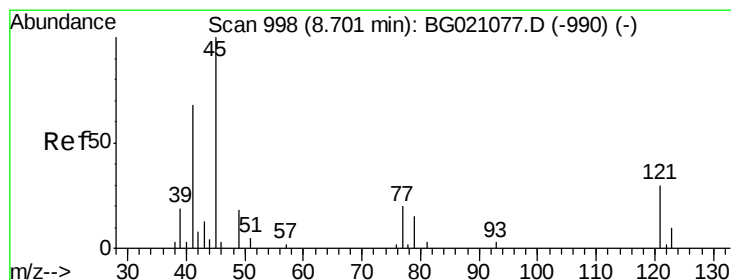
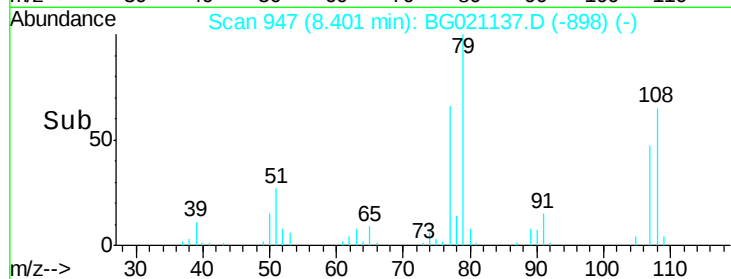
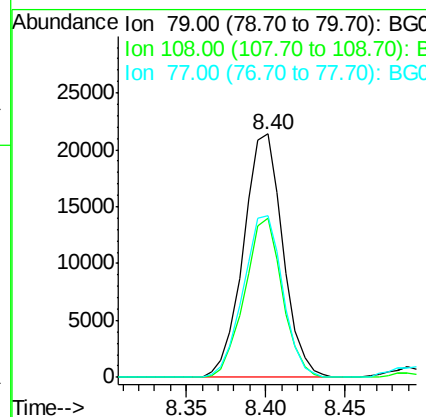
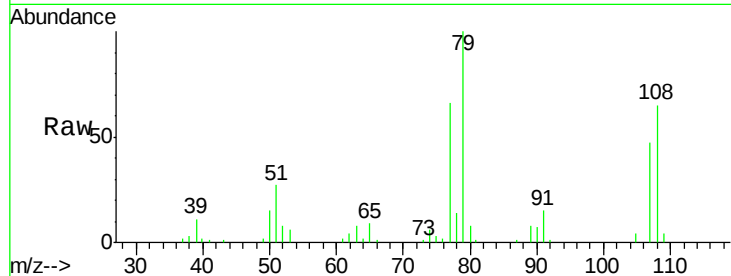
ClientSampled :

EP004MSD

Tgt Ion:	79	Resp:	36802
Ion Ratio	Lower	Upper	
79	100		
108	65.2	65.1	97.7
77	66.3	53.8	80.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 90.46 ng

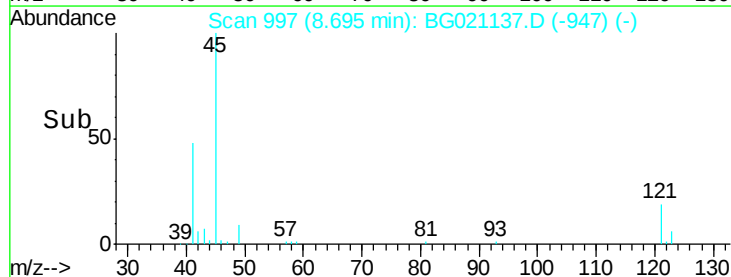
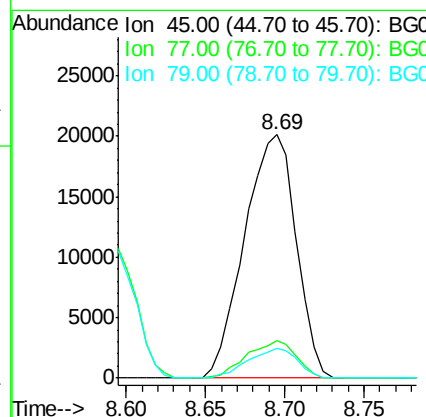
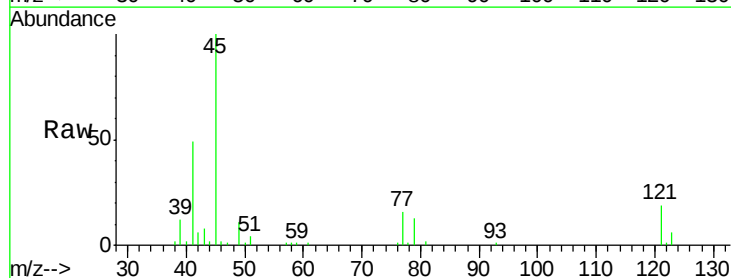
RT: 8.69 min Scan# 997

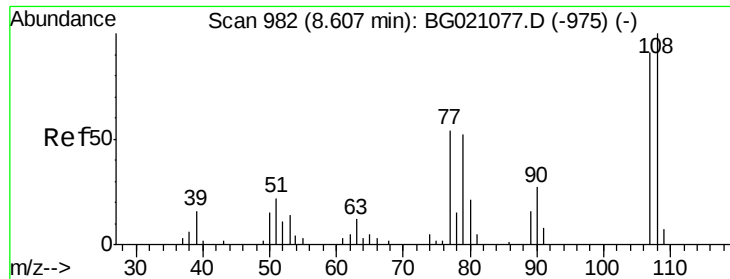
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	45	Resp:	45480
Ion Ratio	Lower	Upper	
45	100		
77	15.5	0.0	33.3
79	12.5	0.0	29.6





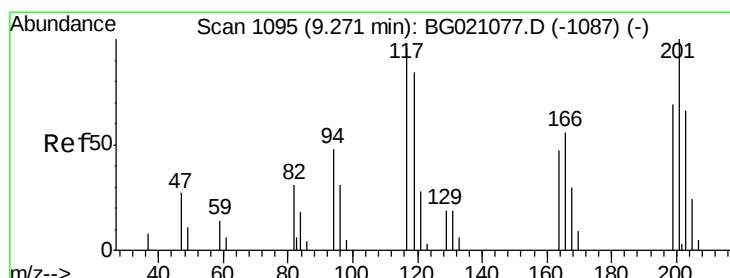
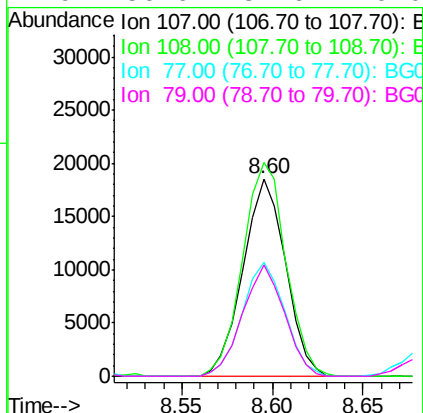
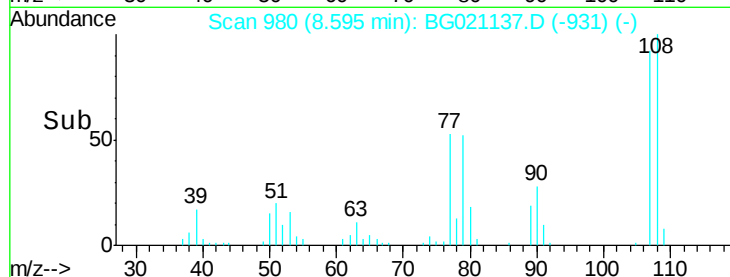
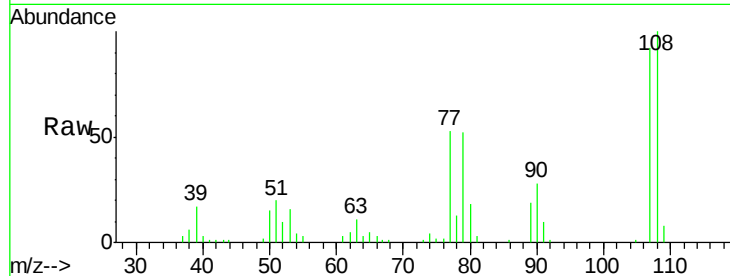
#17
2-Methylphenol
Concen: 74.92 ng
RT: 8.60 min Scan# 980
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	30252		
108	108.2	88.8	133.2	
77	57.6	38.0	57.0	
79	56.6	32.6	49.0	

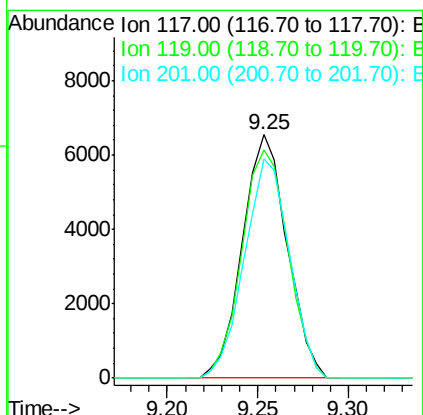
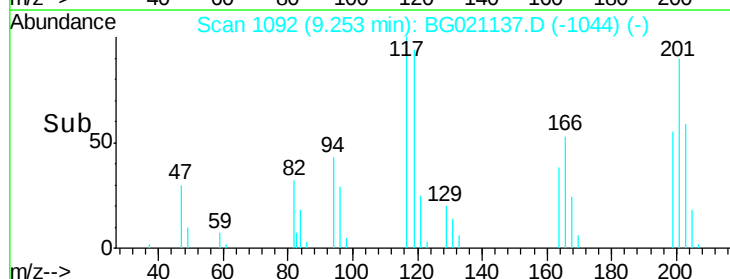
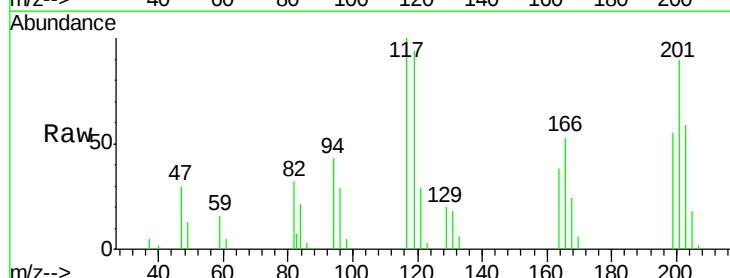
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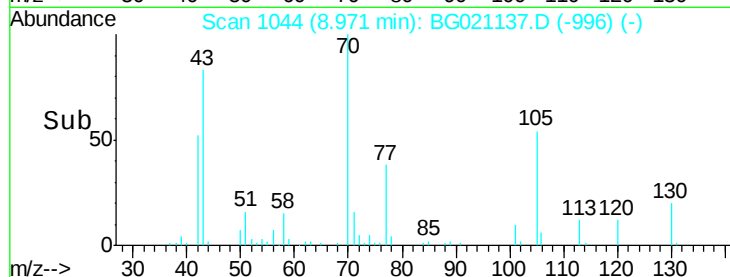
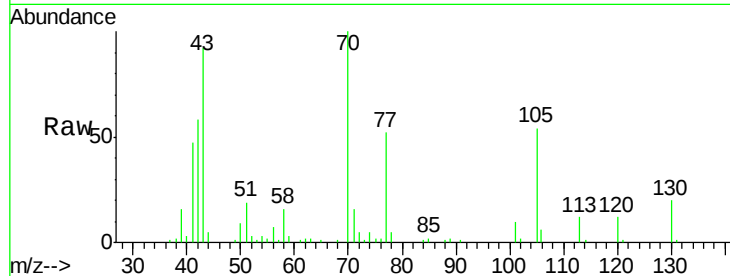
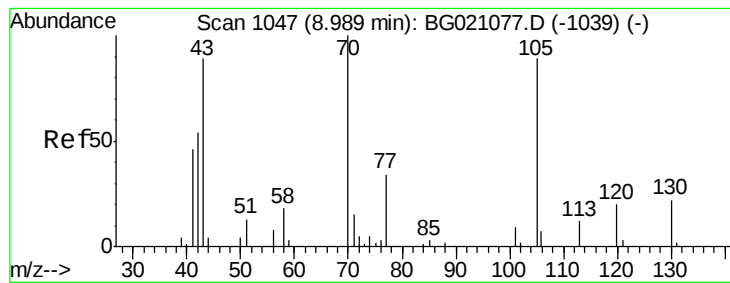
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#18
Hexachloroethane
Concen: 55.77 ng
RT: 9.25 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11226		
119	93.8	74.5	111.7	
201	90.0	68.2	102.4	





#19

n-Nitroso-di-n-propylamine

Concen: 73.11 ng

RT: 8.97 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

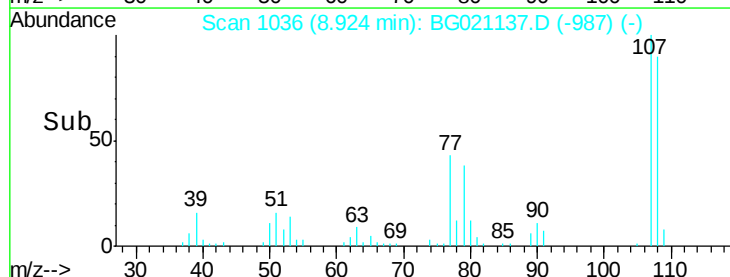
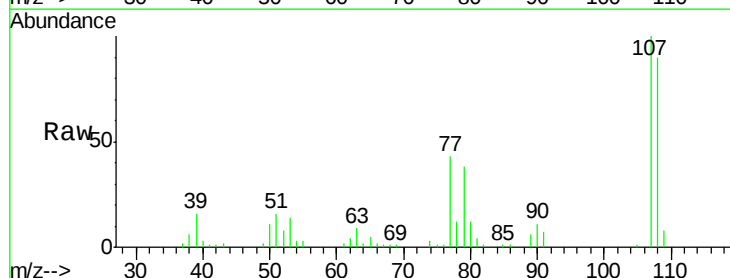
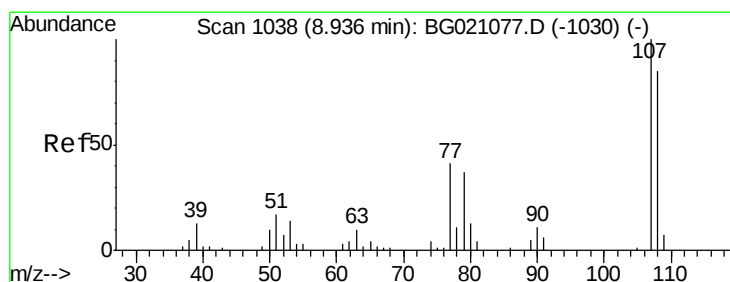
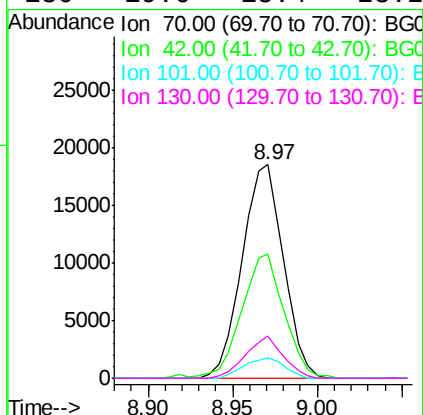
ClientSampled :

EP004MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	57.9	48.8	73.2
101	9.7	8.5	12.7
130	19.6	15.4	23.2

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#20

3+4-Methylphenols

Concen: 75.29 ng

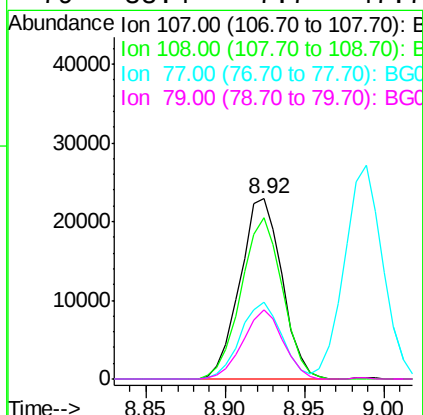
RT: 8.92 min Scan# 1036

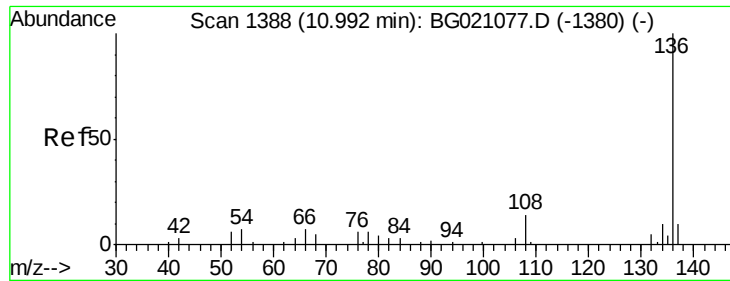
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	67.6	107.6
77	42.9	14.4	54.4
79	38.4	7.7	47.7





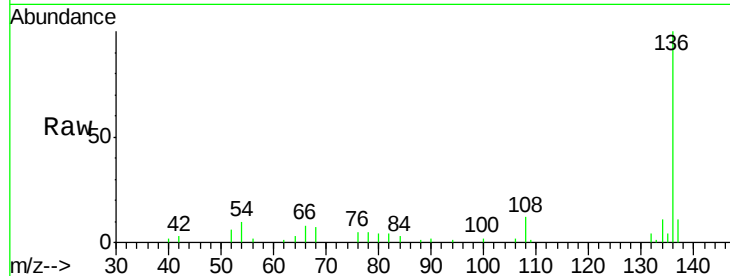
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1385
Delta R.T. -0.02 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	35292		
137	11.1	8.8	13.2	
54	10.1	6.9	10.3	
68	7.3	5.8	8.6	

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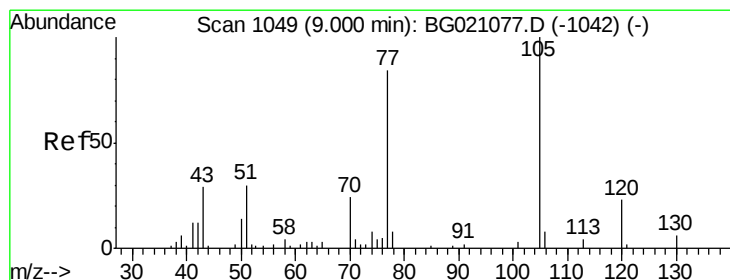
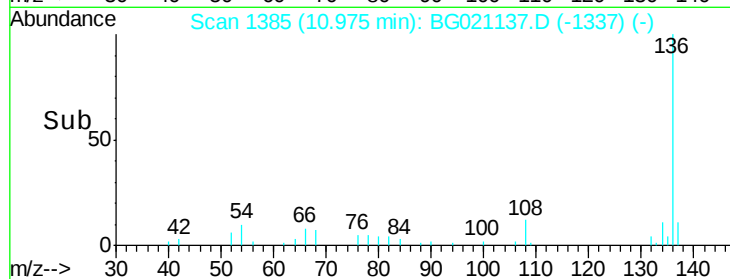
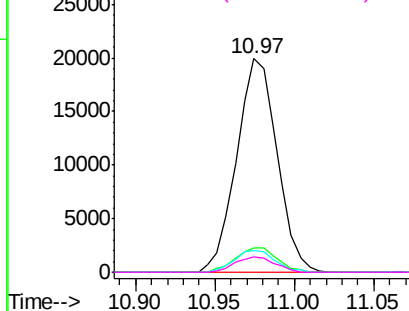
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 51.22 ng
RT: 8.99 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	49897		
71	1.7	0.0	0.0#	
51	32.6	21.4	32.2#	
120	22.7	18.0	27.0	

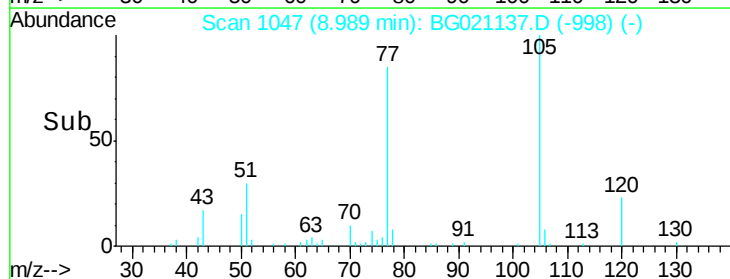
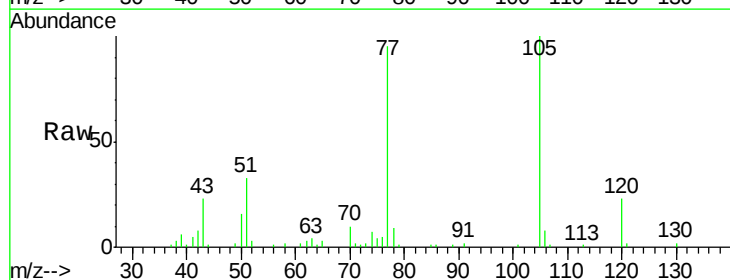
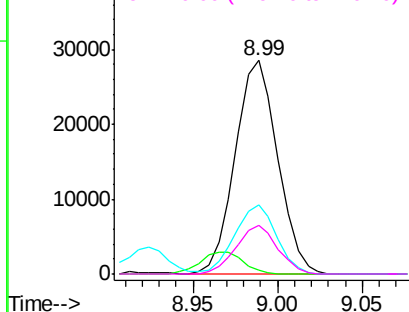
Abundance

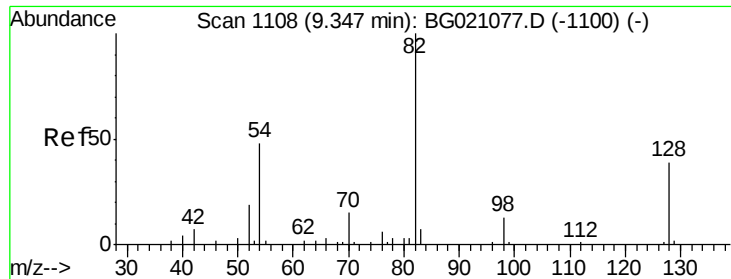
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





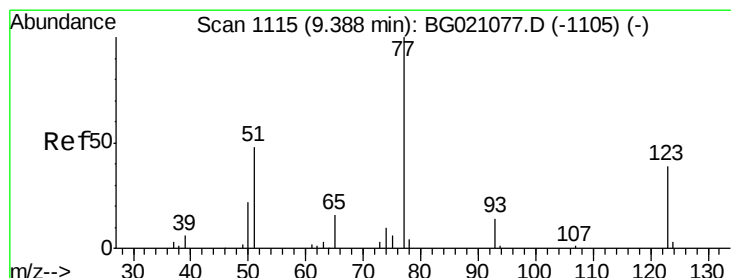
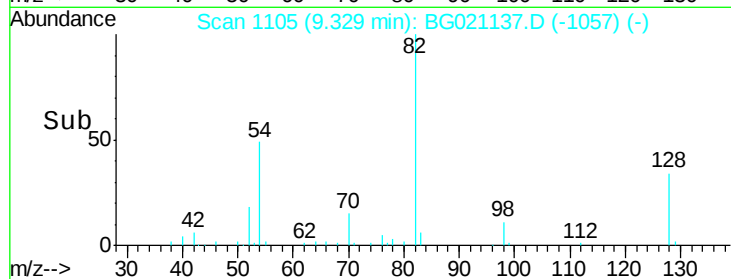
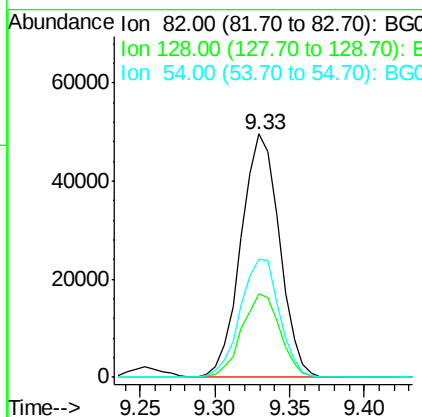
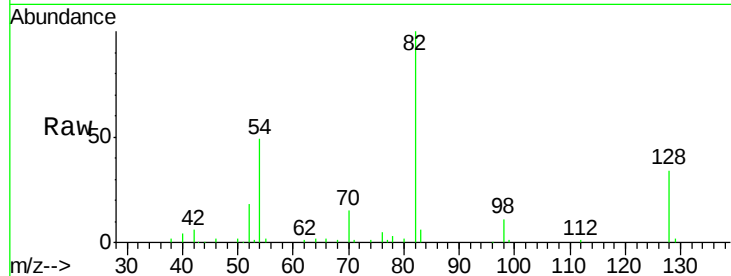
#23
 Nitrobenzene-d5
 Concen: 119.44 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.3	36.3	54.5#
54	48.6	37.6	56.4

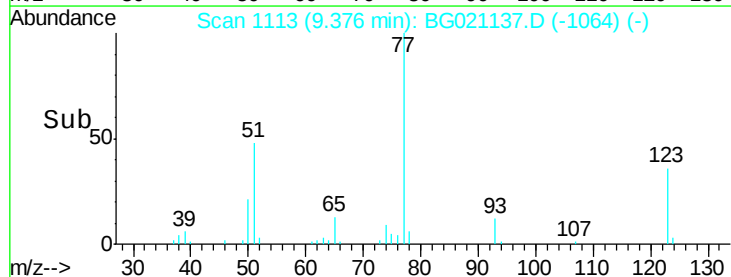
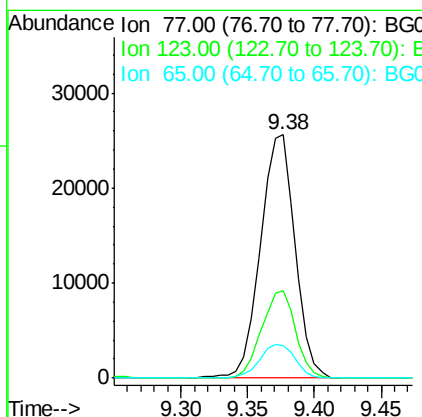
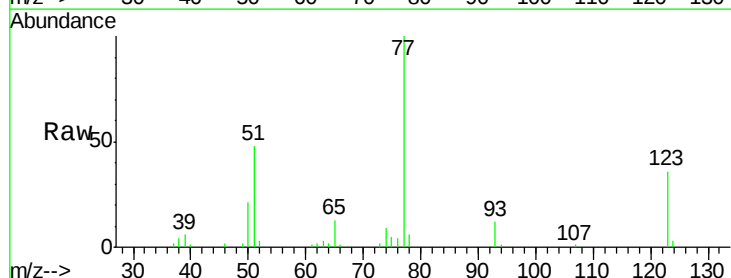
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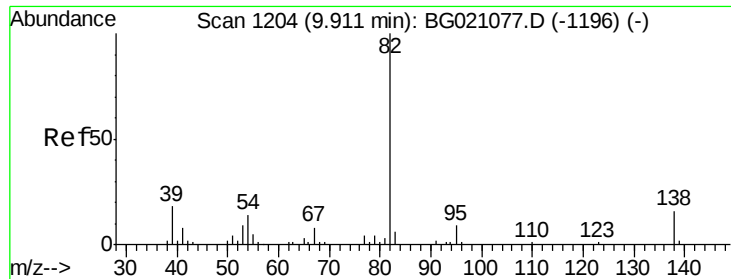
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#24
 Nitrobenzene
 Concen: 59.94 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.0	35.8	53.6
65	13.4	10.6	16.0





#25

Isophorone

Concen: 63.49 ng

RT: 9.89 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

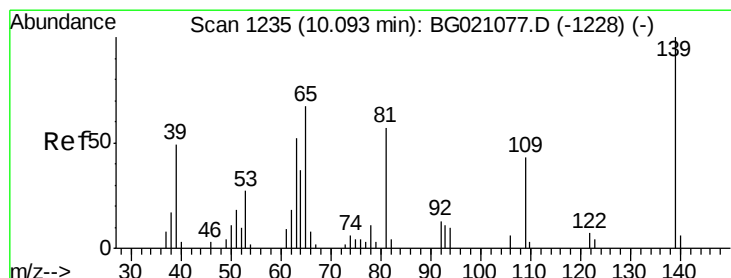
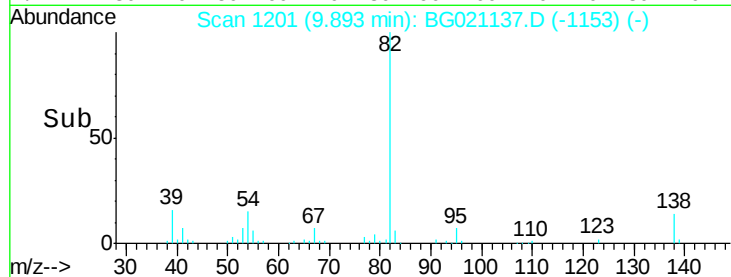
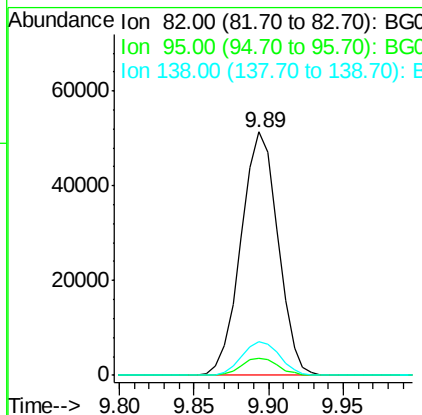
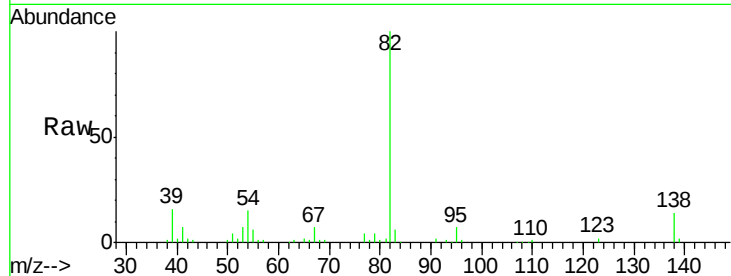
ClientSampleId :

EP004MSD

Tgt Ion:	82	Resp:	88148
Ion Ratio		Lower	Upper
82	100		
95	7.0	5.4	8.0
138	14.1	13.4	20.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 53.45 ng

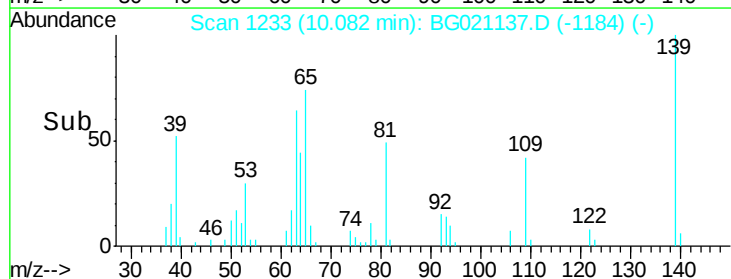
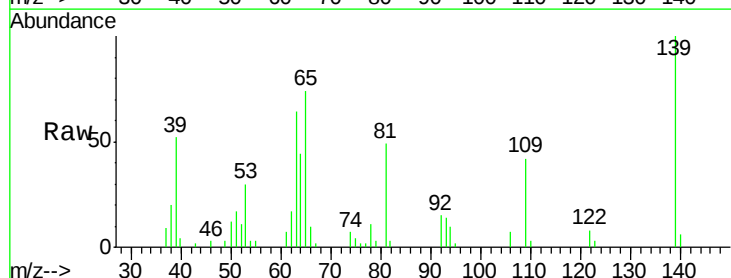
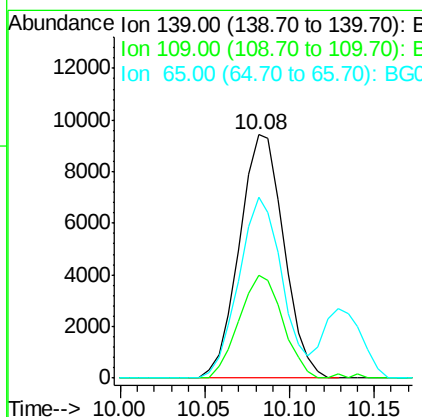
RT: 10.08 min Scan# 1233

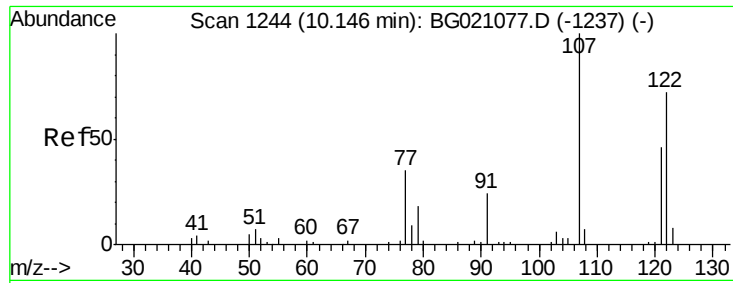
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	139	Resp:	17293
Ion Ratio		Lower	Upper
139	100		
109	42.1	21.4	32.0#
65	74.1	37.8	56.8#





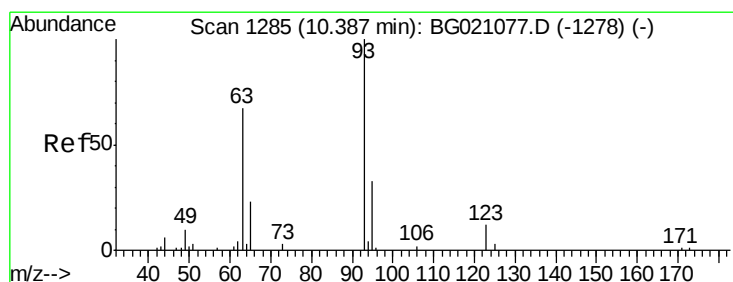
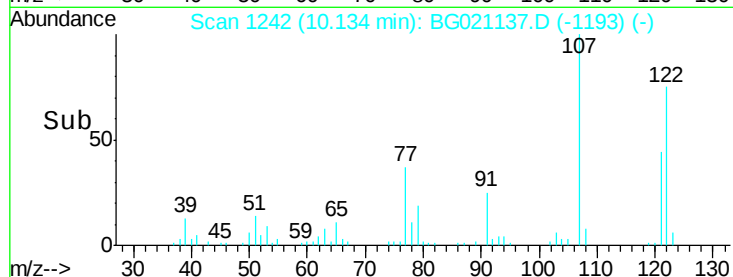
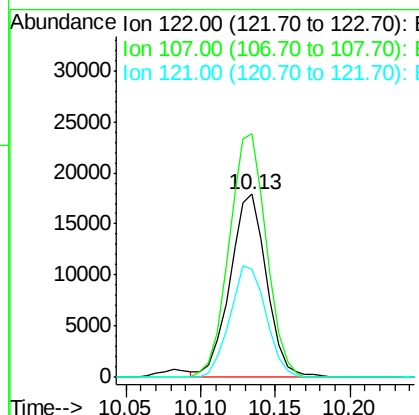
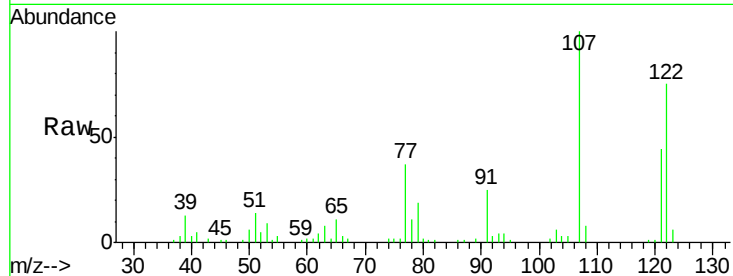
#27
 2,4-Dimethylphenol
 Concen: 53.64 ng
 RT: 10.13 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	30611		
107	132.9	94.1	141.1	
121	58.7	45.9	68.9	

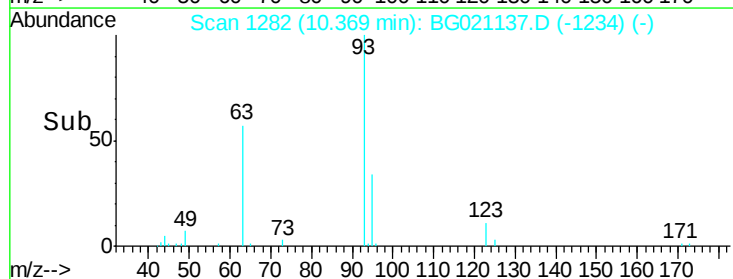
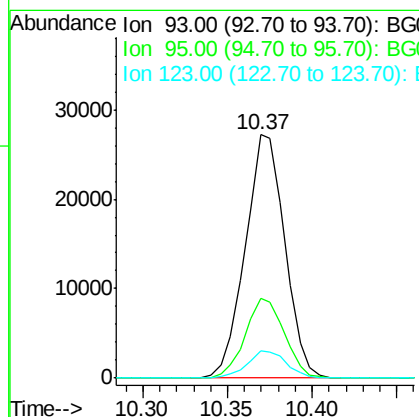
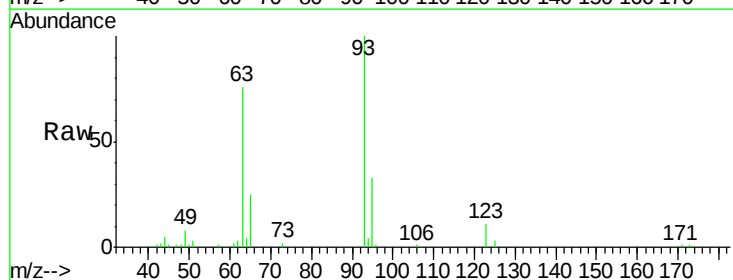
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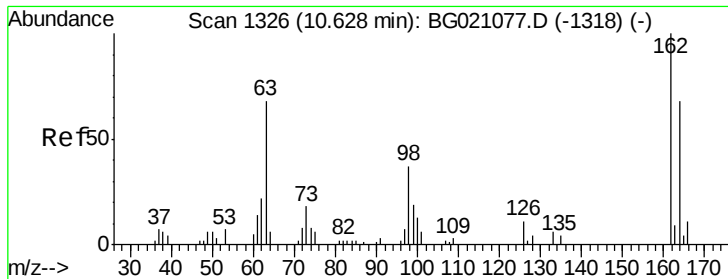
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#28
 bis(2-Chloroethoxy)methane
 Concen: 65.34 ng
 RT: 10.37 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	44209		
95	32.8	24.2	36.2	
123	11.1	9.0	13.6	





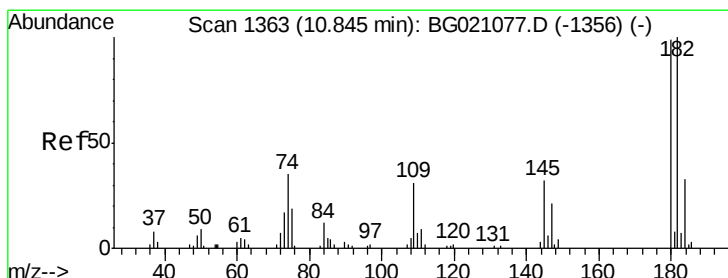
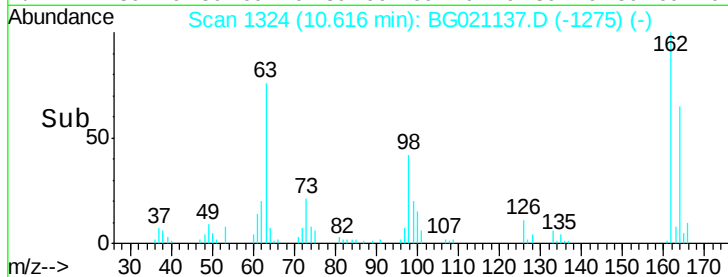
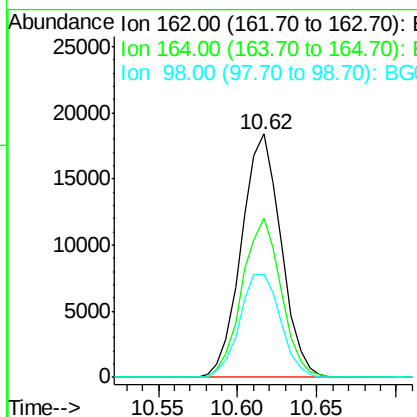
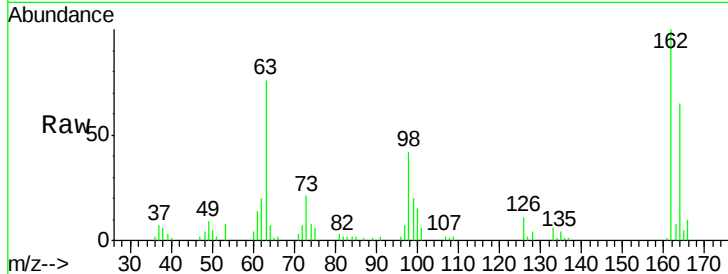
#29
 2,4-Dichlorophenol
 Concen: 57.13 ng
 RT: 10.62 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion:	162	Resp:	31912
Ion Ratio	Lower	Upper	
162	100		
164	65.2	43.7	83.7
98	42.4	18.3	58.3

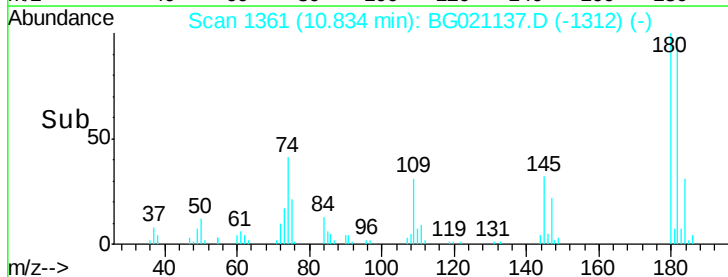
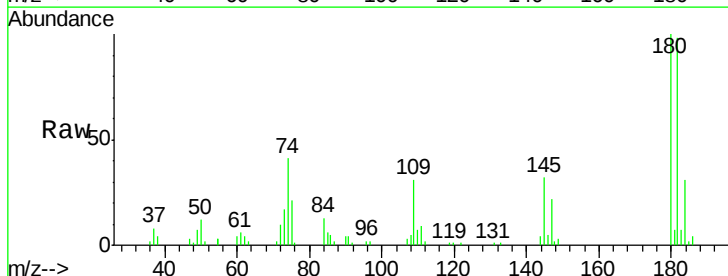
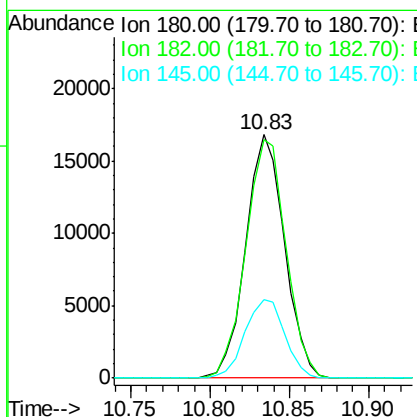
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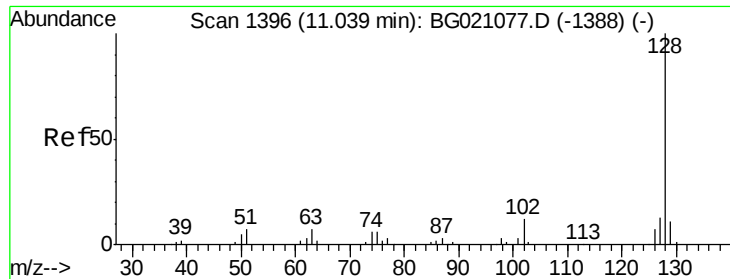
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#30
 1,2,4-Trichlorobenzene
 Concen: 45.16 ng
 RT: 10.83 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion:	180	Resp:	28591
Ion Ratio	Lower	Upper	
180	100		
182	97.9	77.4	116.0
145	32.2	25.7	38.5





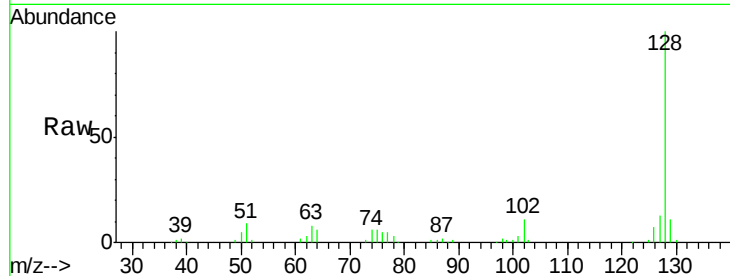
#31
Naphthalene
Concen: 52.78 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

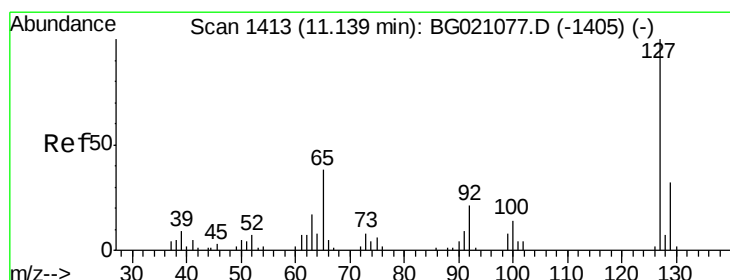
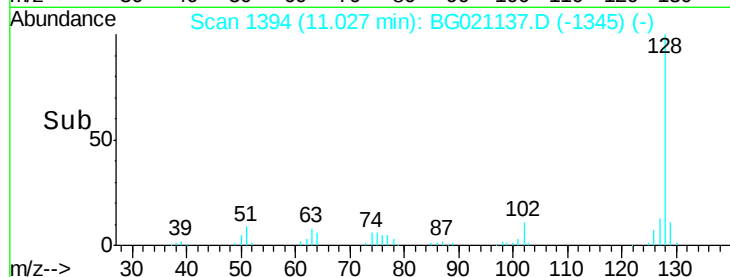
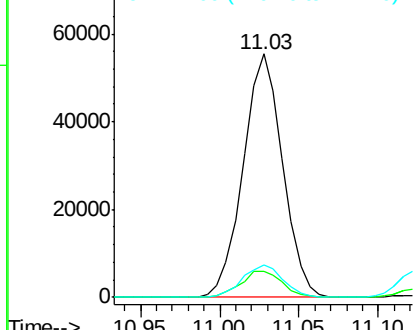
Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.8	9.4	14.2
127	13.2	10.8	16.2

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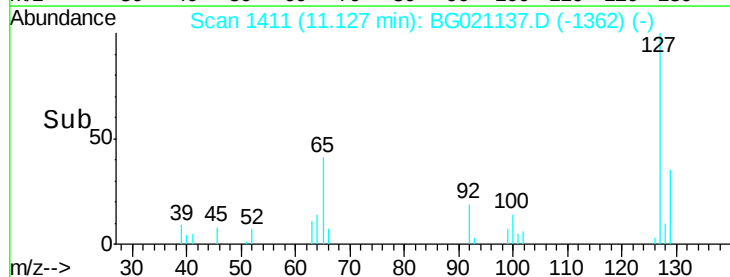
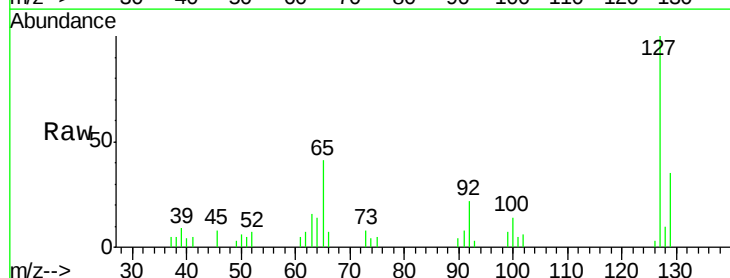
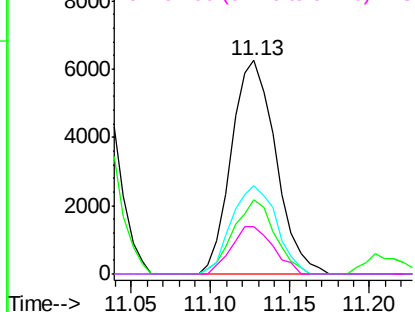
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

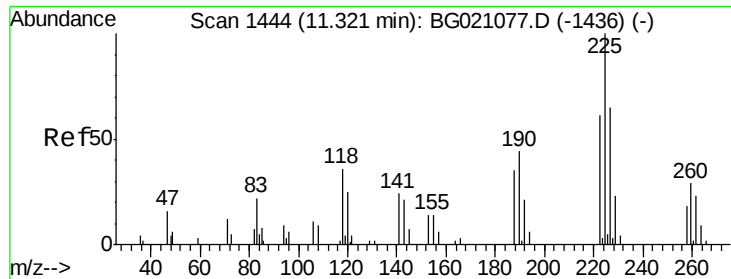


#33
4-Chloroaniline
Concen: 15.98 ng
RT: 11.13 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	34.9	26.2	39.2
65	41.2	22.9	34.3#
92	22.1	15.0	22.6

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC





#34

Hexachlorobutadiene

Concen: 40.79 ng

RT: 11.30 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

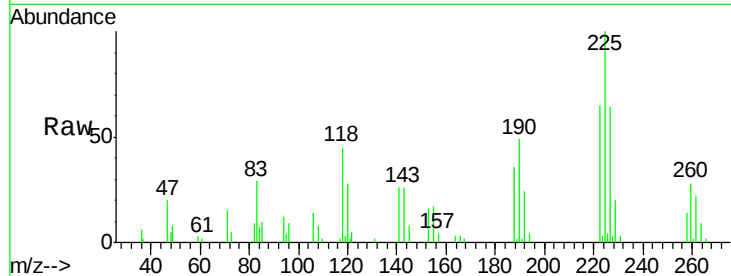
ClientSampleId :

EP004MSD

Tgt Ion:	225	Resp:	17282
Ion Ratio	Lower	Upper	
225	100		
223	65.5	54.6	82.0
227	64.4	54.6	81.8

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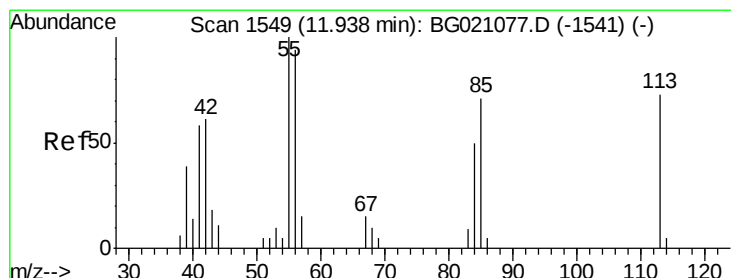
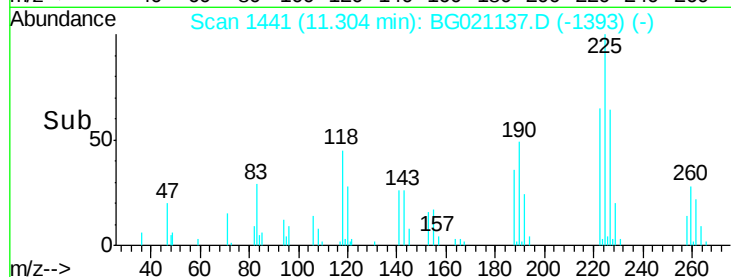
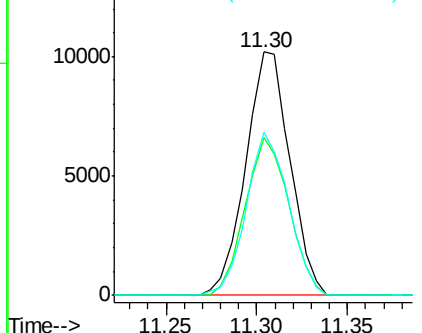
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Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 69.84 ng m

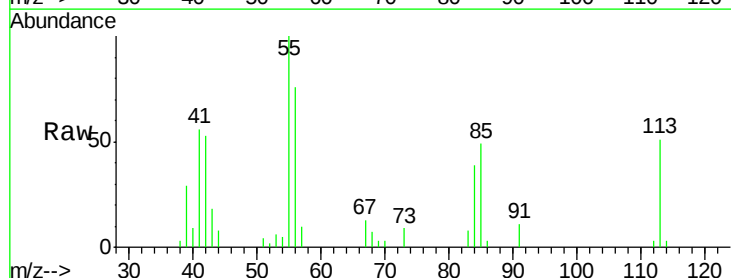
RT: 11.90 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

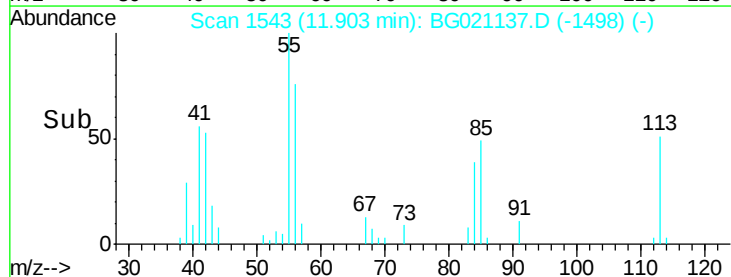
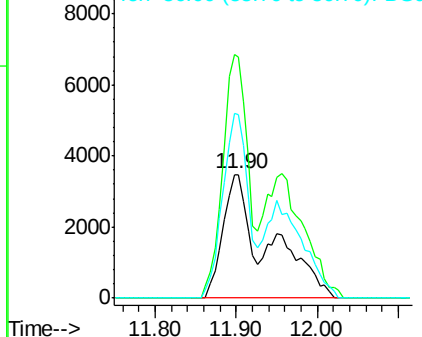
Tgt Ion:	113	Resp:	13183
Ion Ratio	Lower	Upper	
113	100		
55	194.9	155.2	195.2
56	148.6	94.0	134.0#

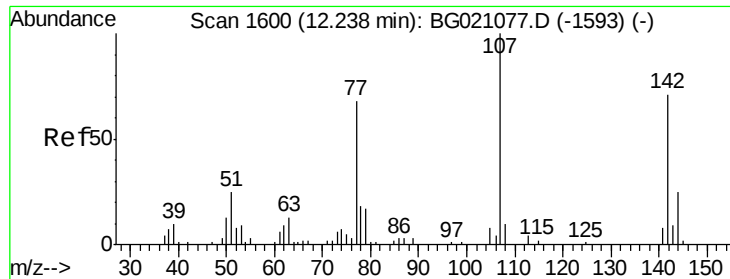


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





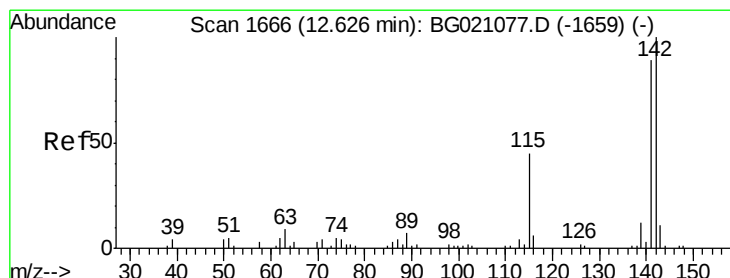
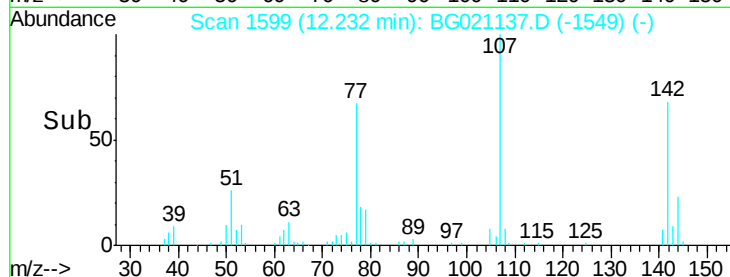
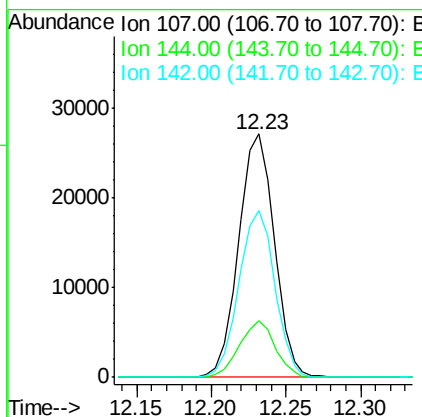
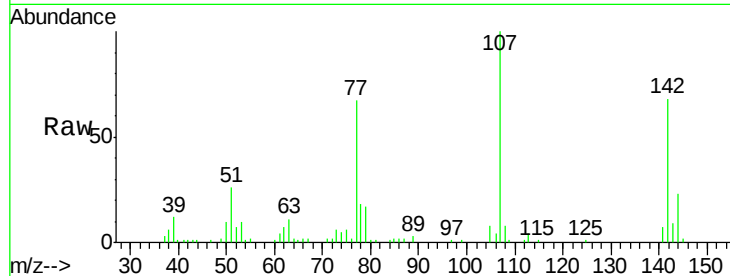
#36
 4-Chloro-3-methylphenol
 Concen: 65.75 ng
 RT: 12.23 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	45031		
144	23.2	21.8	32.8	
142	68.5	65.6	98.4	

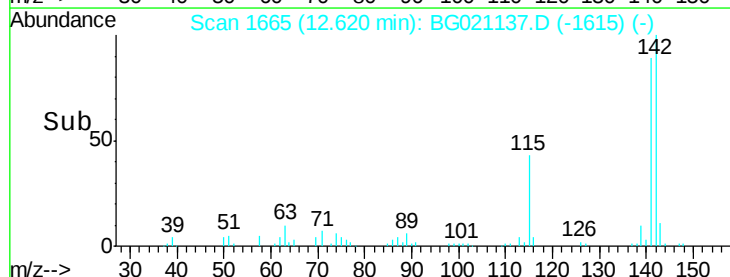
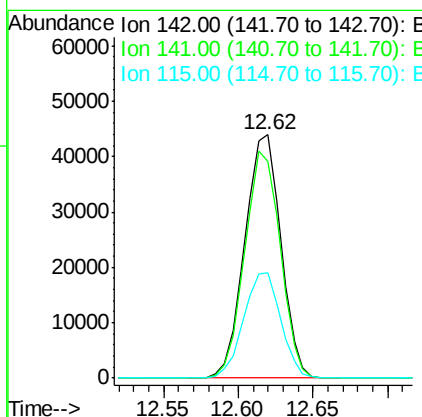
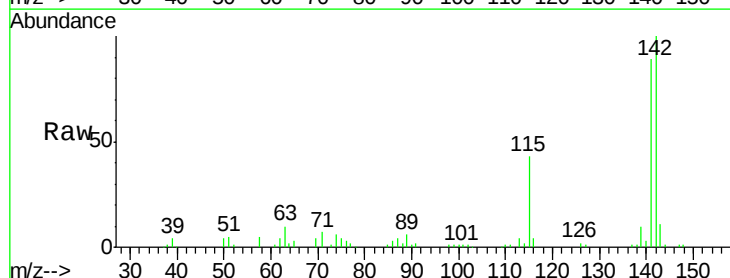
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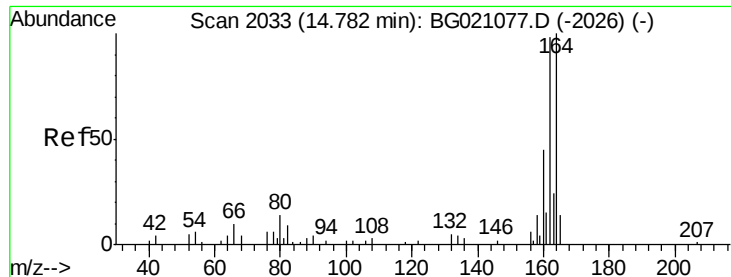
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#37
 2-Methylnaphthalene
 Concen: 57.71 ng
 RT: 12.62 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	73467		
141	89.1	71.7	107.5	
115	43.4	26.2	39.4	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BG021137.D

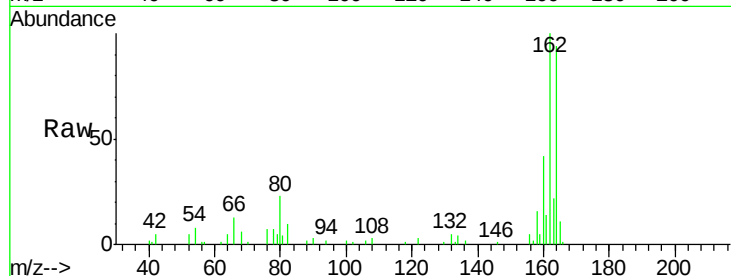
Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampleId :

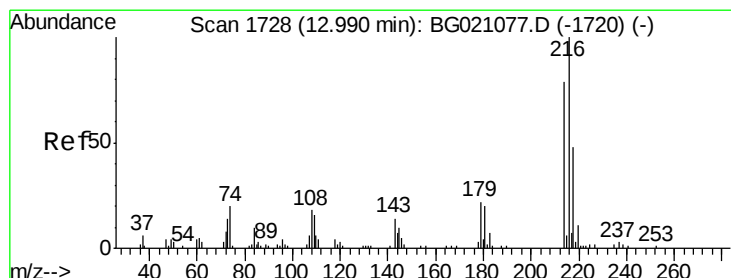
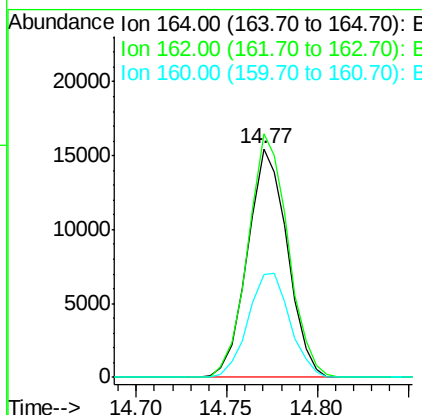
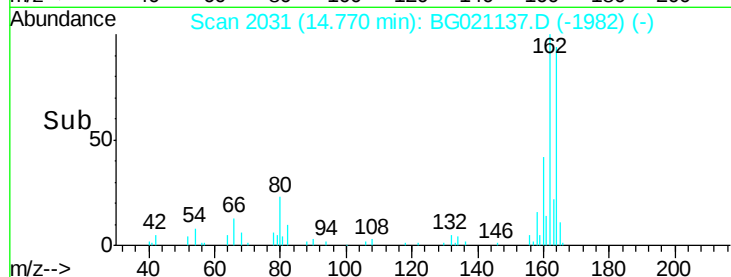
EP004MSD



Tgt Ion:	164	Resp:	23749
Ion Ratio	Lower	Upper	
164	100		
162	106.6	80.6	120.8
160	45.0	36.5	54.7

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.58 ng

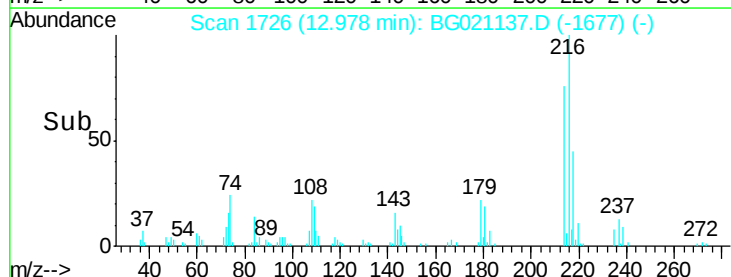
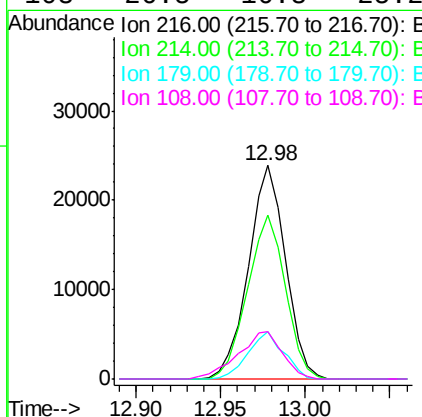
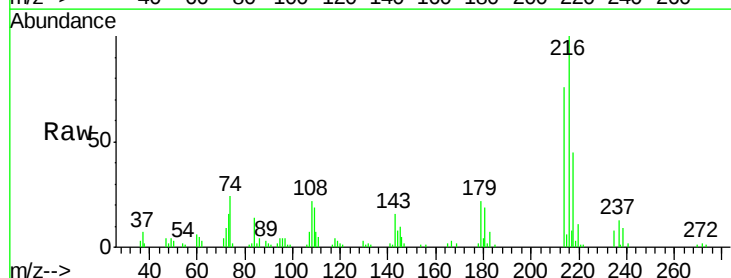
RT: 12.98 min Scan# 1726

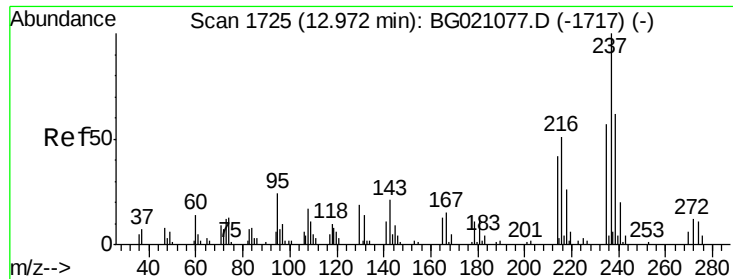
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	216	Resp:	36491
Ion Ratio	Lower	Upper	
216	100		
214	78.4	63.5	95.3
179	21.6	17.4	26.0
108	26.5	16.8	25.2#





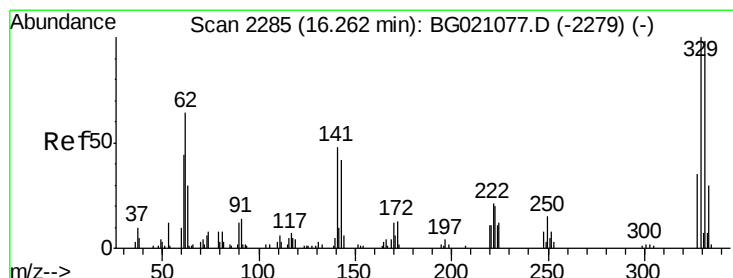
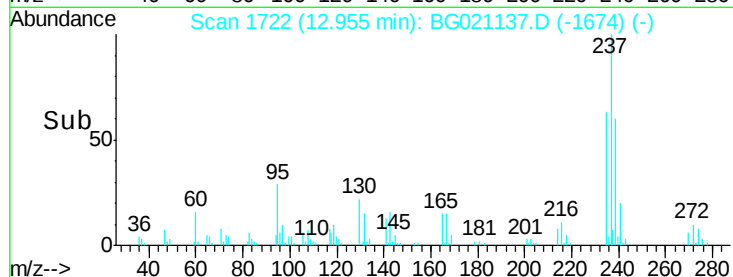
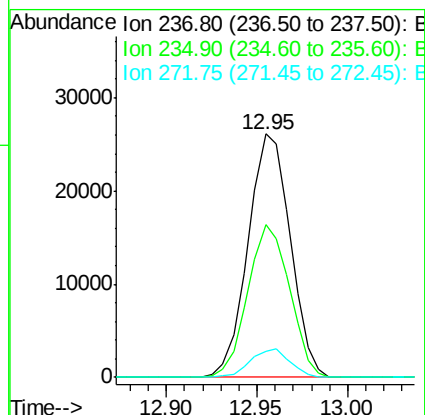
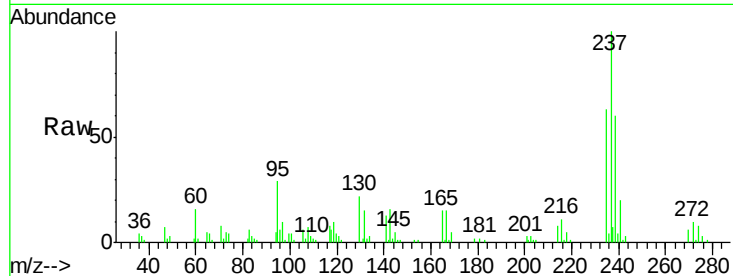
#40
Hexachlorocyclopentadiene
Concen: 73.14 ng
RT: 12.95 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	62.6	42.9	82.9
272	10.5	0.0	32.3

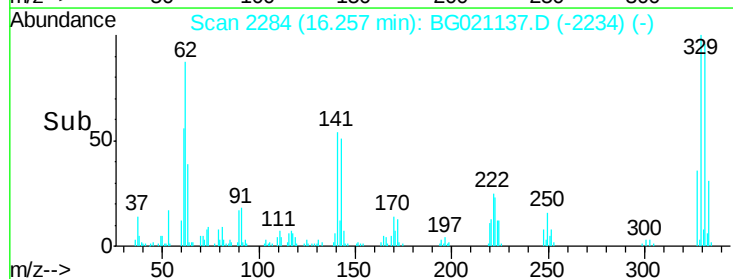
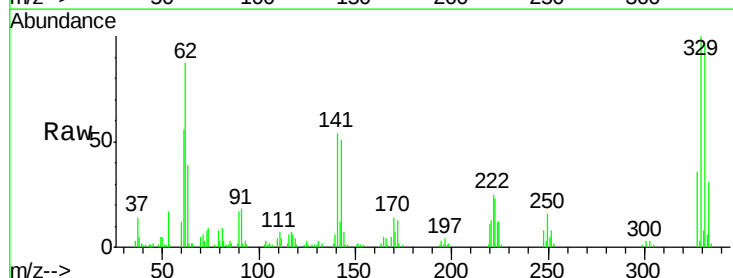
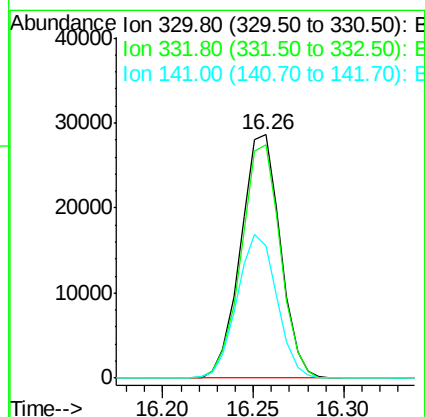
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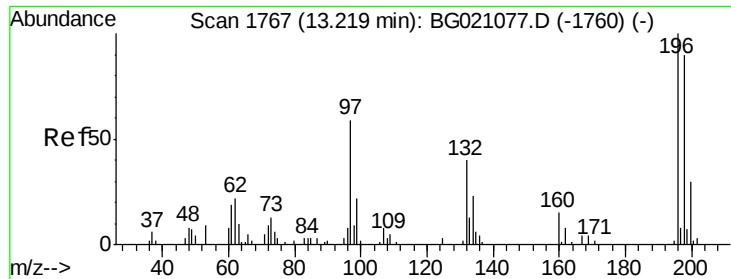
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#41
2,4,6-Tribromophenol
Concen: 139.33 ng
RT: 16.26 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	94.9	77.4	116.0
141	59.2	35.3	52.9#





#42

2,4,6-Trichlorophenol

Concen: 52.44 ng

RT: 13.21 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BG021137.D

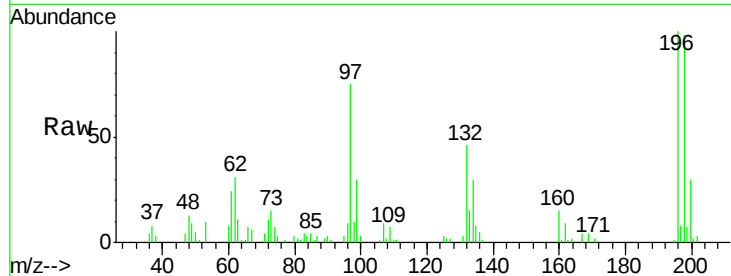
Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampled :

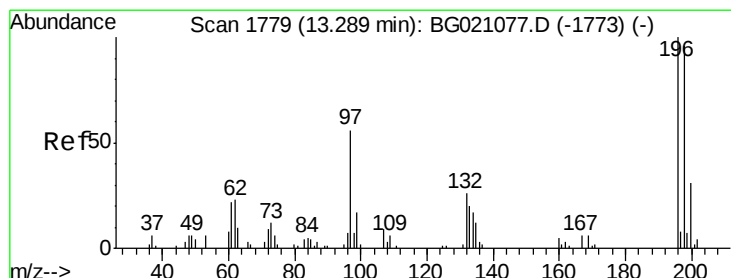
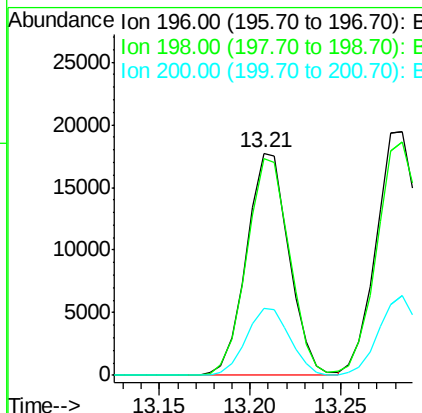
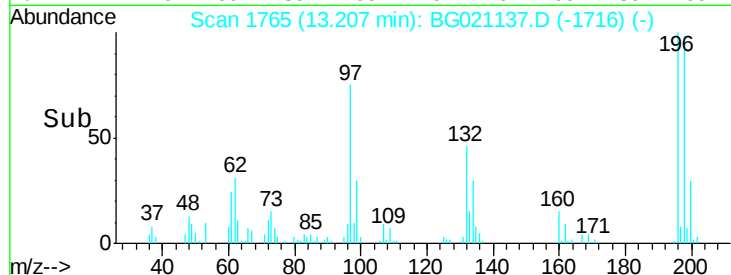
EP004MSD



Tgt Ion:	196	Resp:	28861
Ion Ratio	Lower	Upper	
196	100		
198	98.0	75.8	113.8
200	32.9	23.8	35.8

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#43

2,4,5-Trichlorophenol

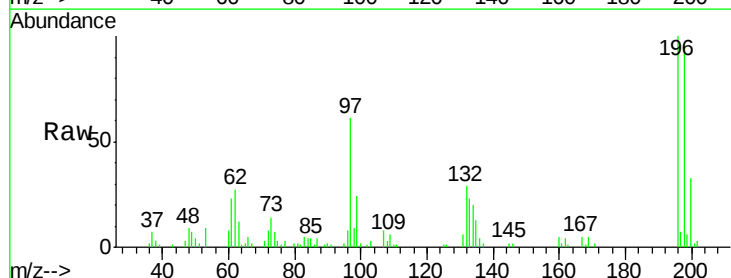
Concen: 56.86 ng

RT: 13.28 min Scan# 1778

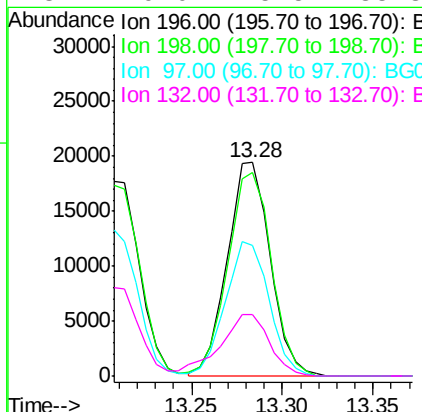
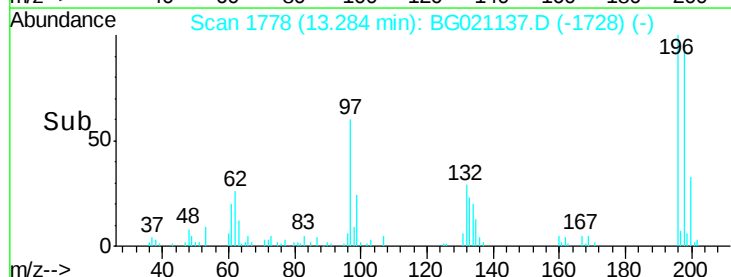
Delta R.T. -0.01 min

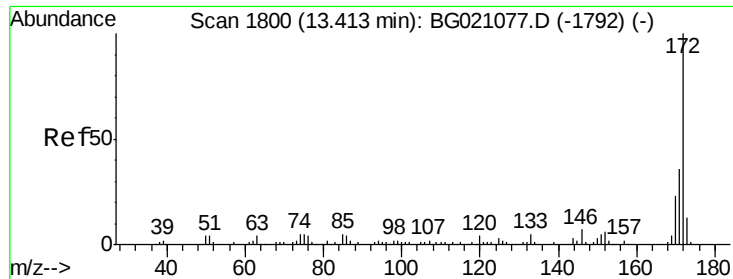
Lab File: BG021137.D

Acq: 28 Feb 2016 5:29



Tgt Ion:	196	Resp:	32153
Ion Ratio	Lower	Upper	
196	100		
198	95.6	80.2	120.4
97	60.9	42.9	64.3
132	29.0	25.5	38.3





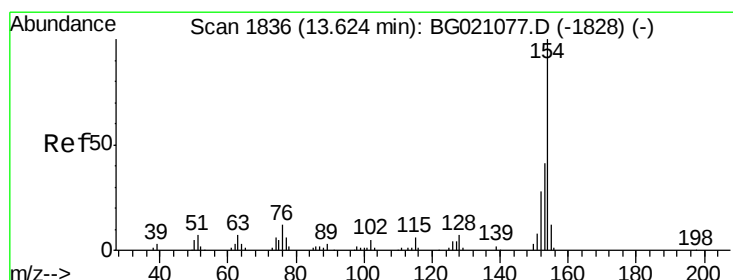
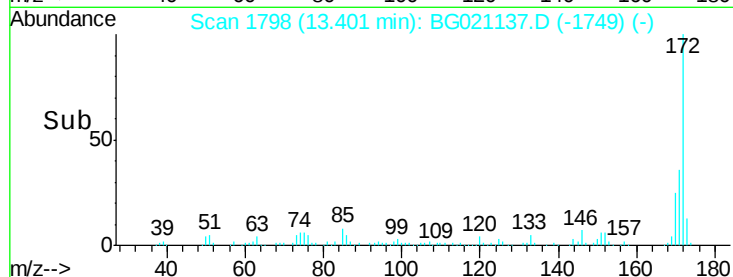
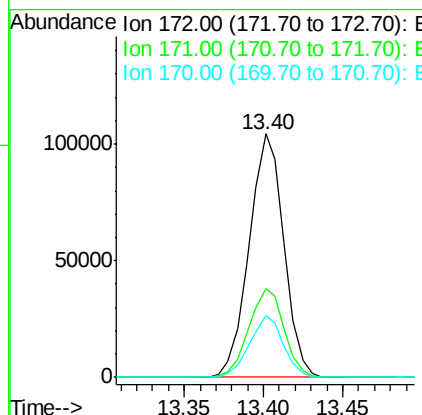
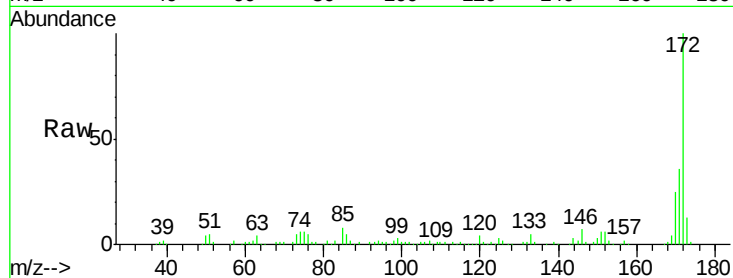
#44
 2-Fluorobiphenyl
 Concen: 85.31 ng
 RT: 13.40 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampled :
 EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.3	29.4	44.0
170	25.4	19.8	29.8

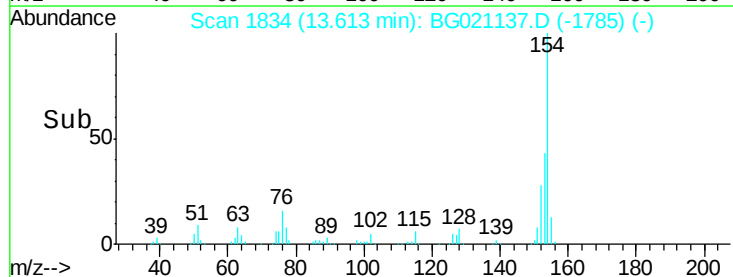
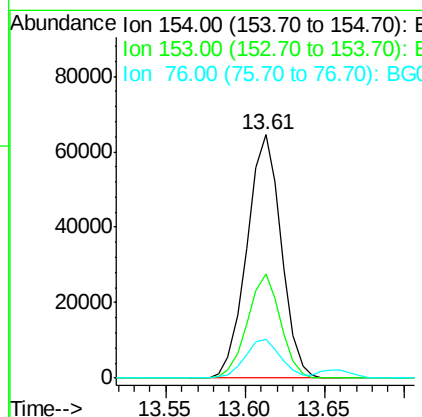
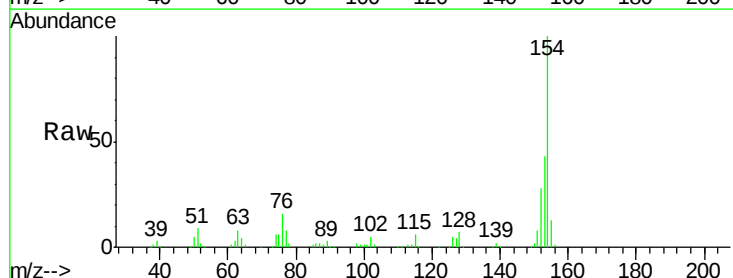
Manual Integrations
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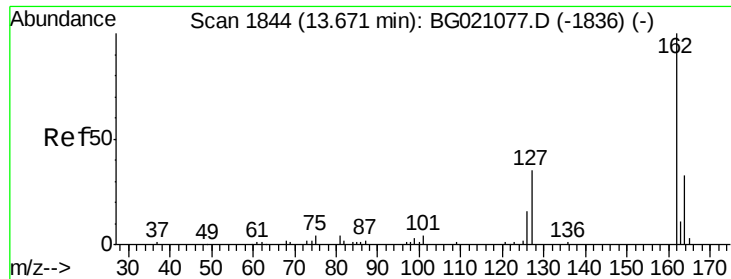
UMANGI
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#45
 1,1'-Biphenyl
 Concen: 48.46 ng
 RT: 13.61 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	42.6	19.8	59.8
76	16.0	0.0	33.6





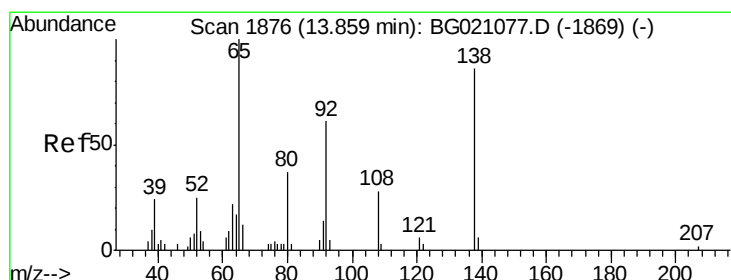
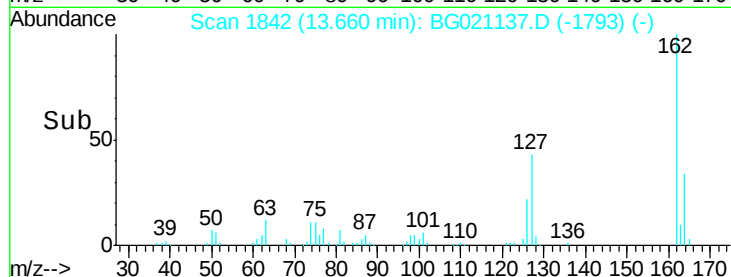
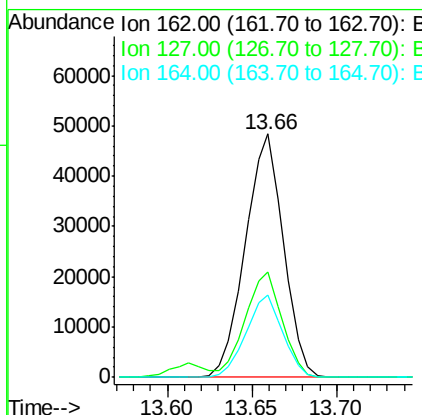
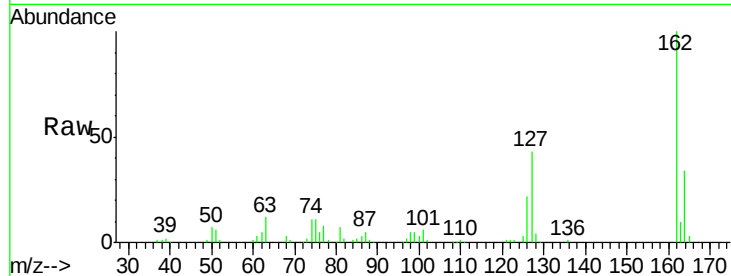
#46
2-Chloronaphthalene
Concen: 49.81 ng
RT: 13.66 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	43.1	31.8	47.8
164	33.8	26.3	39.5

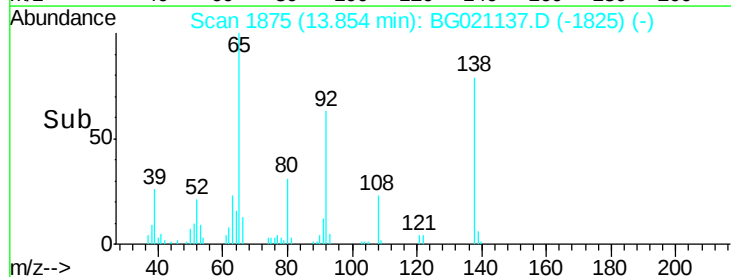
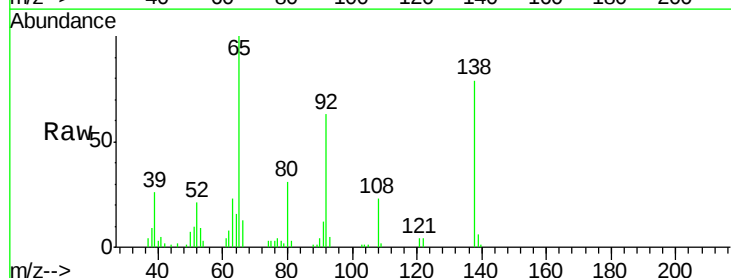
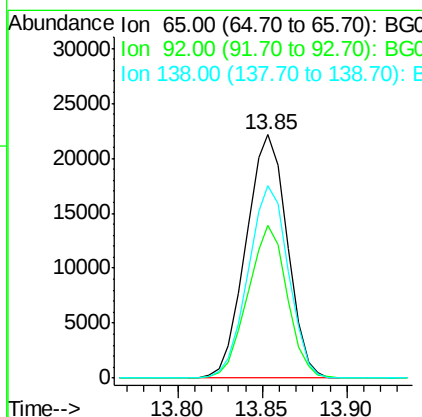
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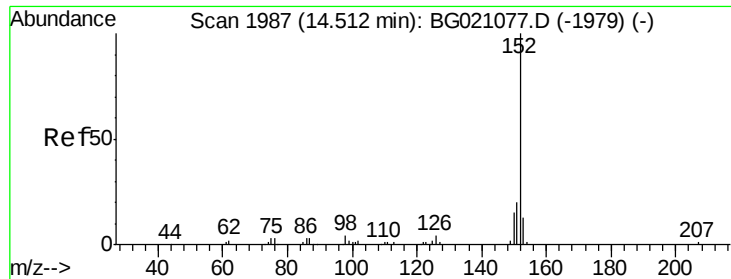
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#47
2-Nitroaniline
Concen: 76.07 ng
RT: 13.85 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	62.8	54.6	82.0
138	78.8	94.9	142.3





#48

Acenaphthylene

Concen: 53.12 ng

RT: 14.50 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

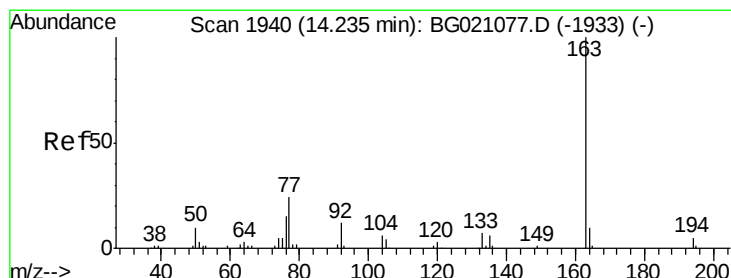
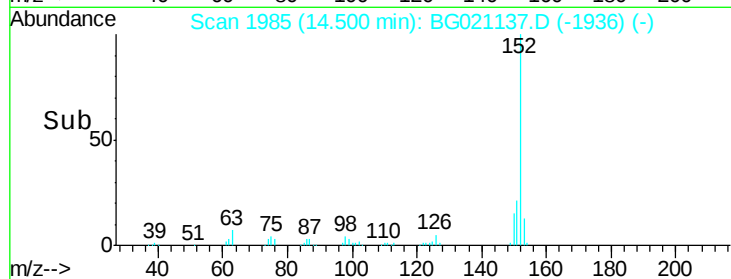
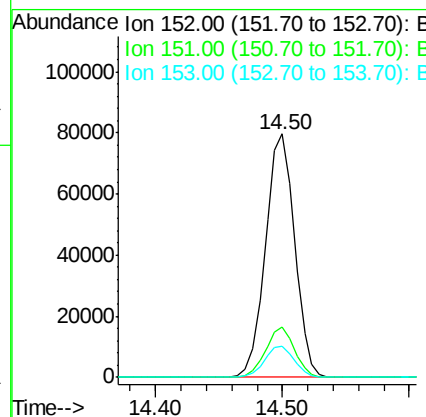
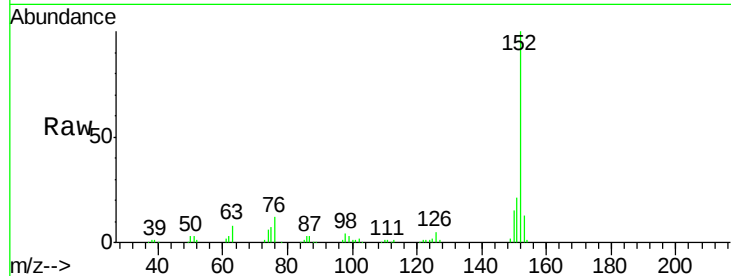
ClientSampleId :

EP004MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.9	23.9
153	13.0	10.2	15.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 69.33 ng

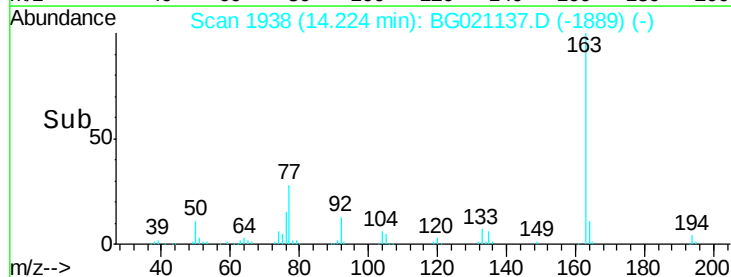
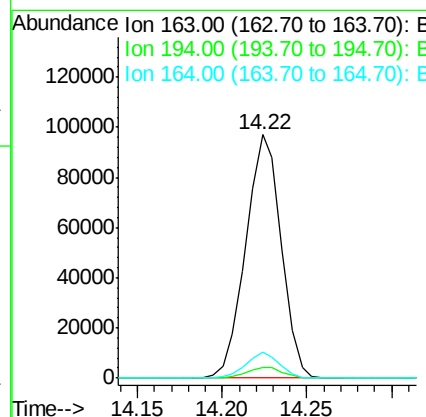
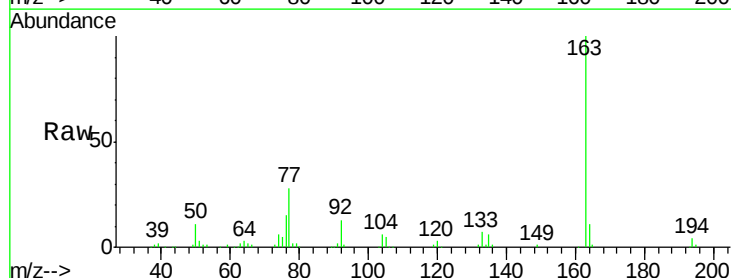
RT: 14.22 min Scan# 1938

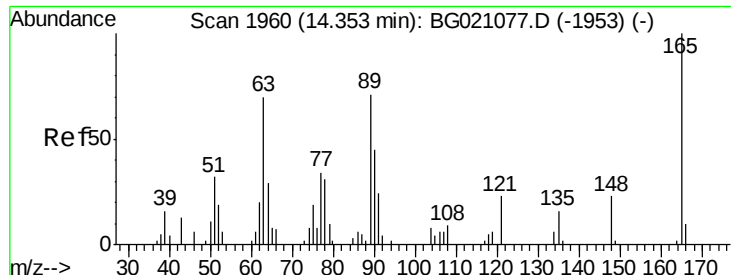
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.8	4.2
164	10.5	7.9	11.9





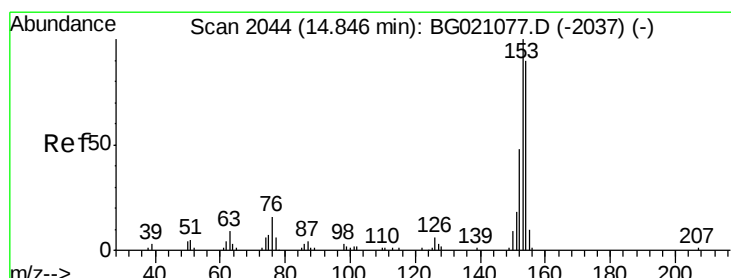
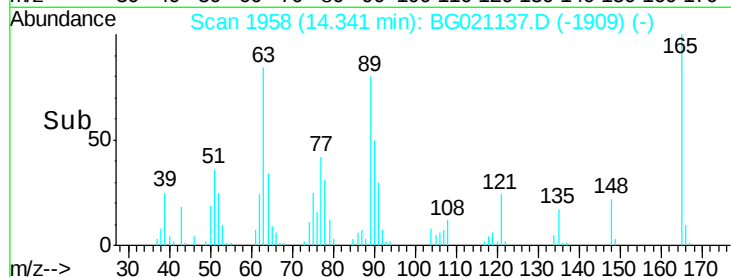
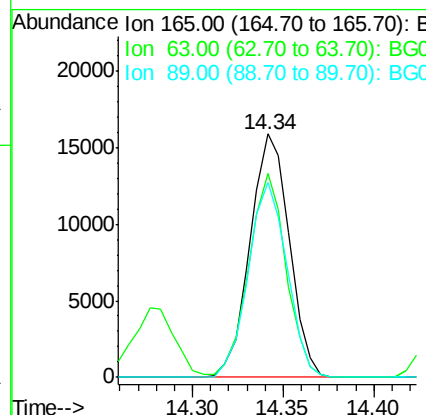
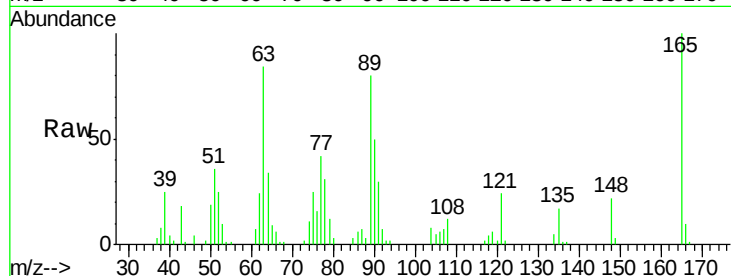
#50
2,6-Dinitrotoluene
Concen: 56.87 ng
RT: 14.34 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	83.9	42.1	63.1#
89	80.1	46.1	69.1#

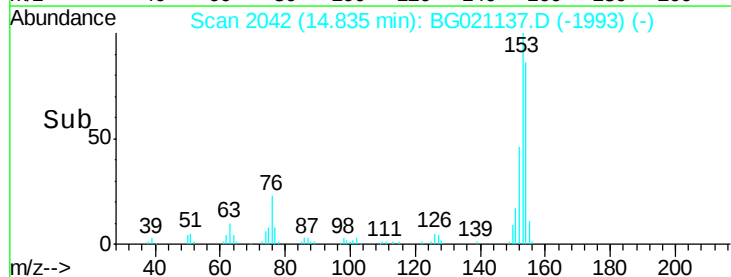
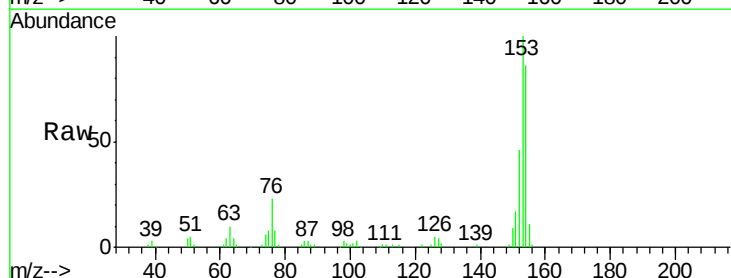
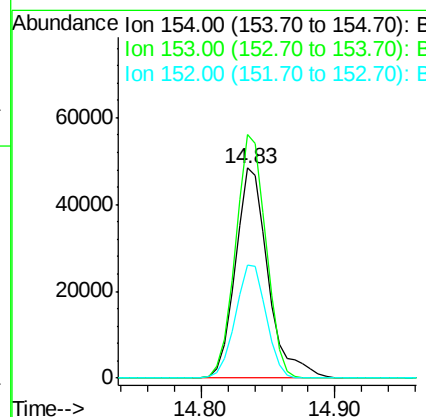
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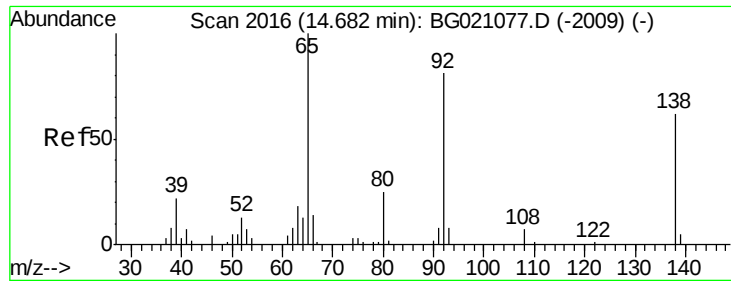
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#51
Acenaphthene
Concen: 50.37 ng
RT: 14.83 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	116.0	94.2	141.2
152	53.6	42.9	64.3





#52

3-Nitroaniline

Concen: 32.40 ng

RT: 14.67 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampleId :

EP004MSD

Tgt Ion:138 Resp: 13274
Ion Ratio Lower Upper

138 100

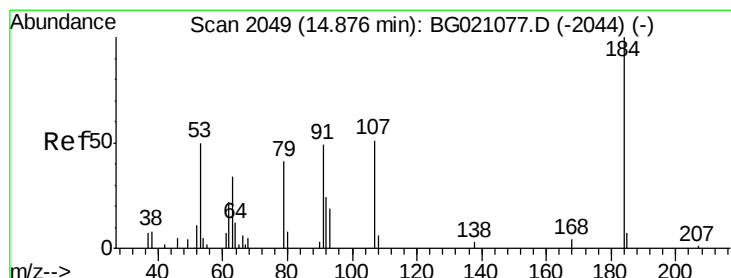
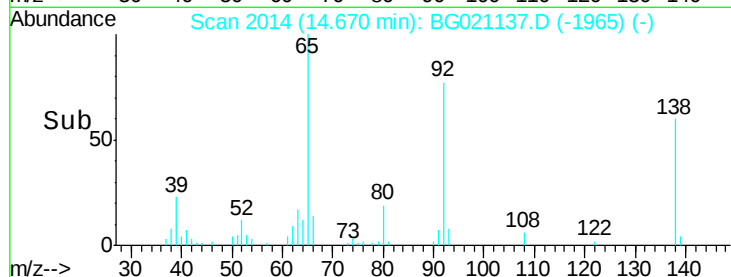
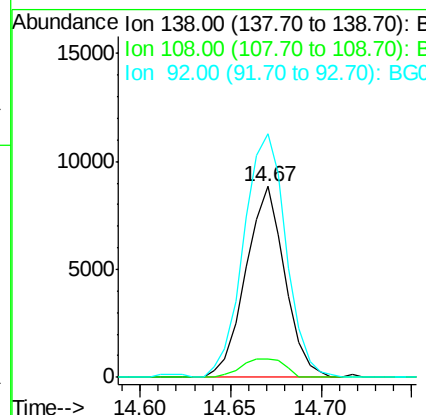
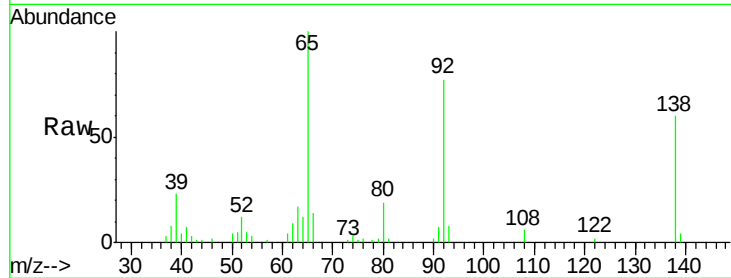
108 9.7 5.8 8.6#

92 127.6 83.6 125.4#

Manual Integrations
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2/29/2016 12:40:28 PM



#53

2,4-Dinitrophenol

Concen: 29.20 ng

RT: 14.87 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BG021137.D

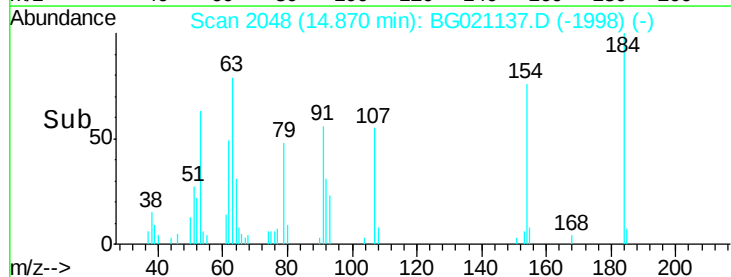
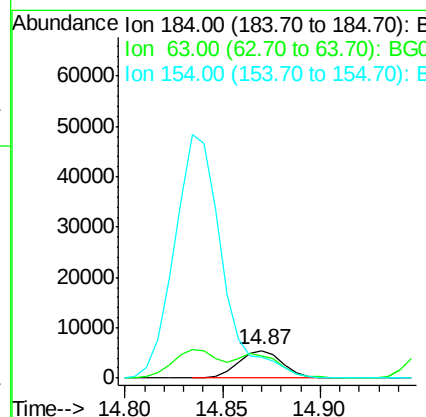
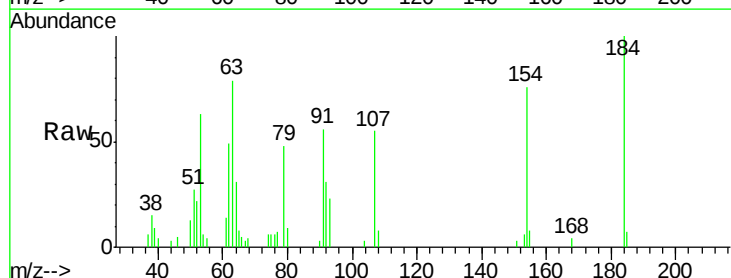
Acq: 28 Feb 2016 5:29

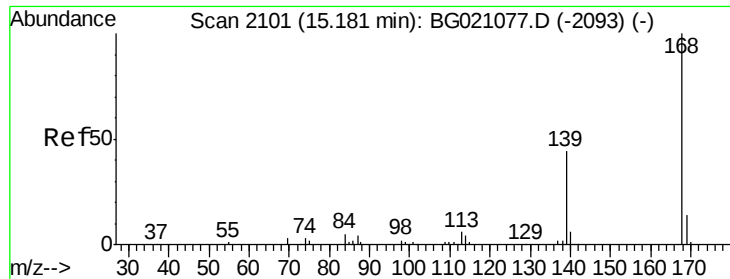
Tgt Ion:184 Resp: 8572
Ion Ratio Lower Upper

184 100

63 79.3 57.0 85.6

154 75.9 51.3 76.9





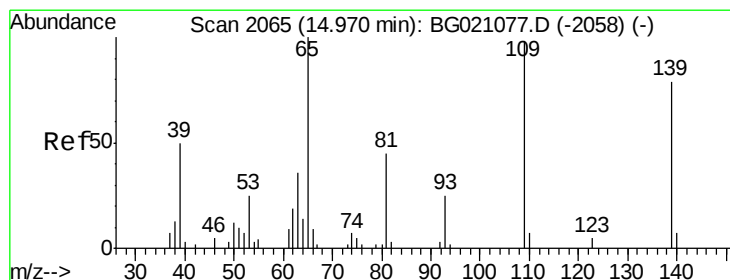
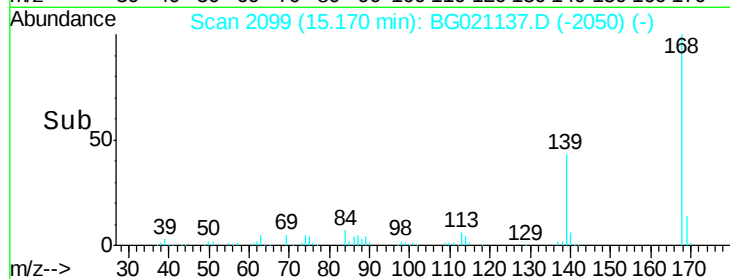
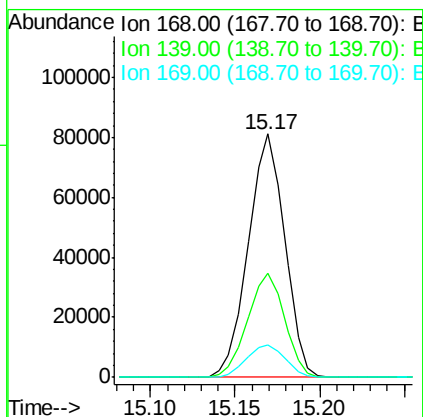
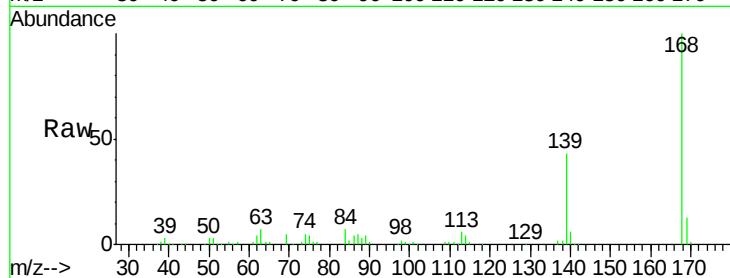
#54
Dibenzenofuran
Concen: 58.85 ng
RT: 15.17 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampled :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	42.7	29.8	44.8
169	13.5	11.4	17.2

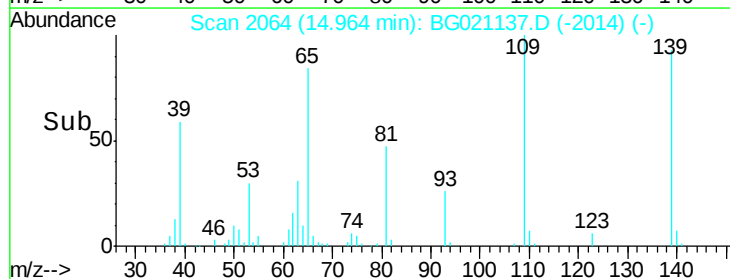
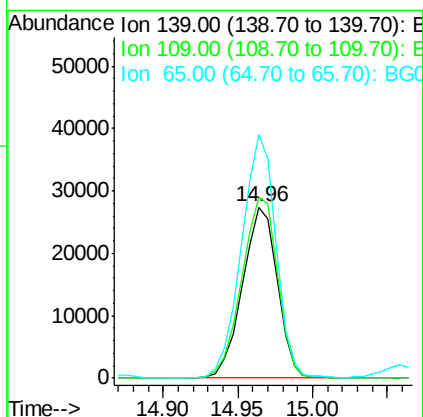
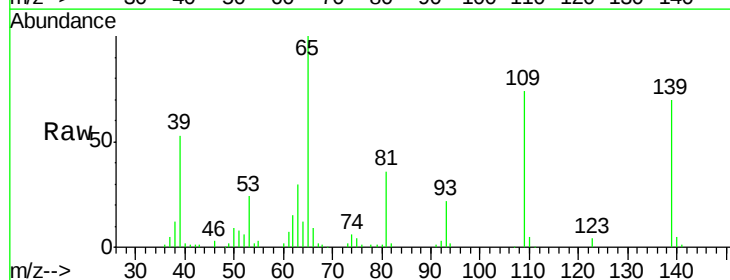
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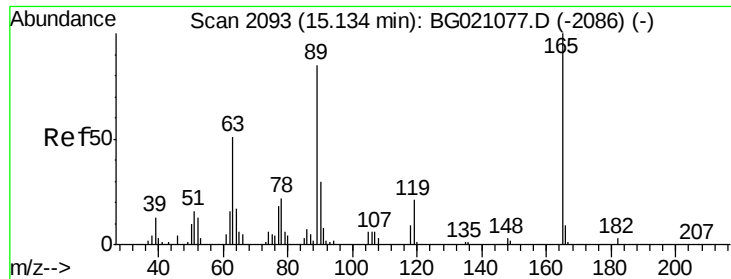
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#55
4-Nitrophenol
Concen: 121.63 ng
RT: 14.96 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
139	100		
109	105.9	54.1	94.1#
65	142.2	73.4	113.4#





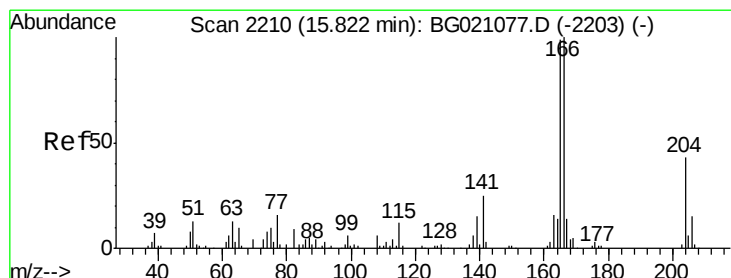
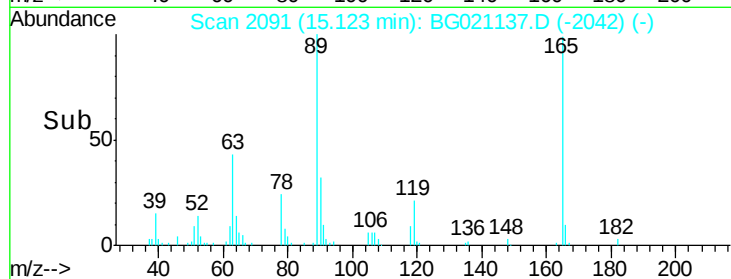
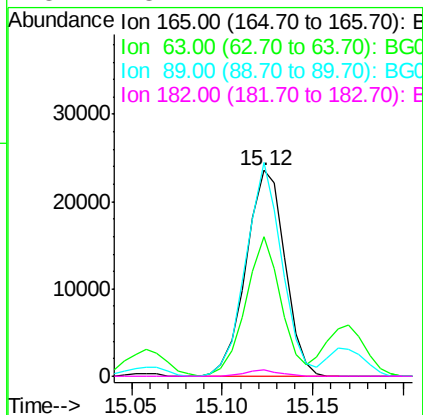
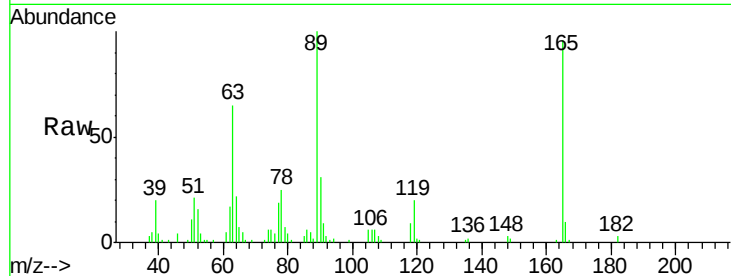
#56
2,4-Dinitrotoluene
Concen: 58.09 ng
RT: 15.12 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	67.6	34.1	51.1#
89	103.7	63.0	94.4#
182	3.2	1.4	2.2#

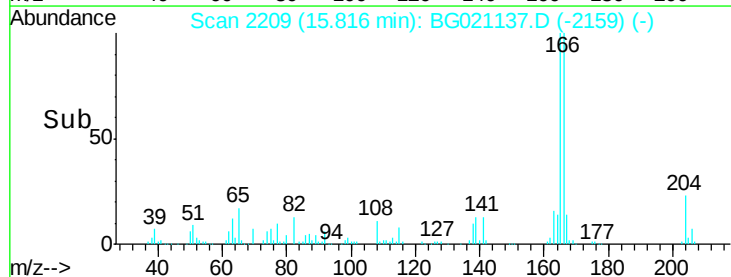
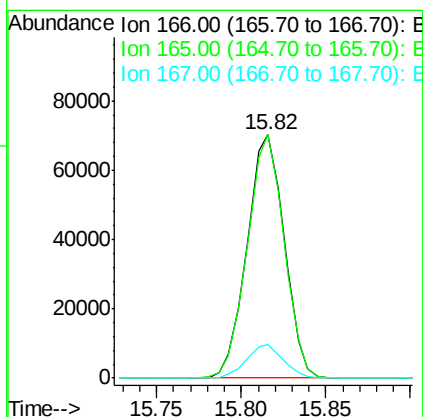
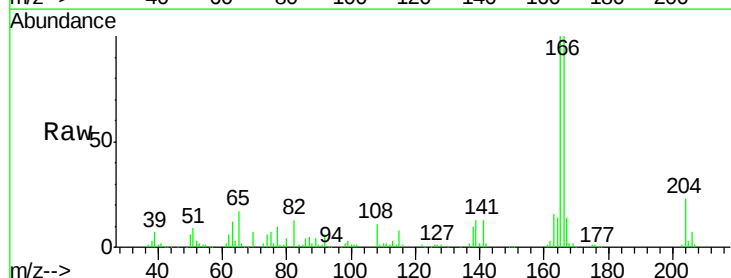
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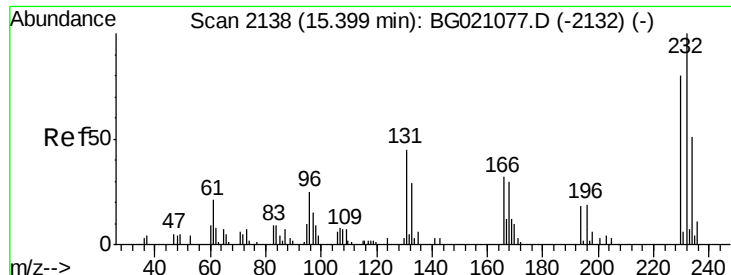
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#57
Fluorene
Concen: 53.37 ng
RT: 15.82 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	99.8	81.3	121.9
167	13.8	10.6	16.0





#58

2,3,4,6-Tetrachlorophenol

Concen: 57.47 ng

RT: 15.39 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BG021137.D

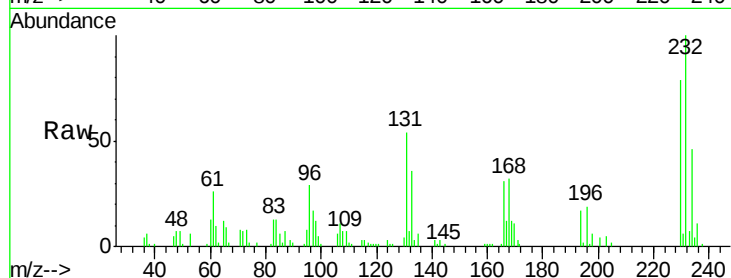
Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampleId :

EP004MSD



Tgt Ion: 232 Resp: 28244

Ion Ratio Lower Upper

232 100

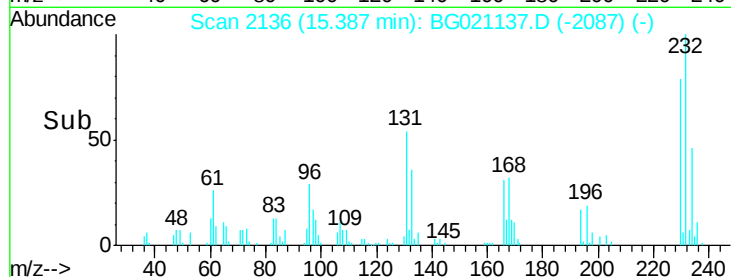
131 55.1 41.4 62.2

130 3.3 1.8 2.8#

166 33.1 26.6 39.8

Manual Integrations
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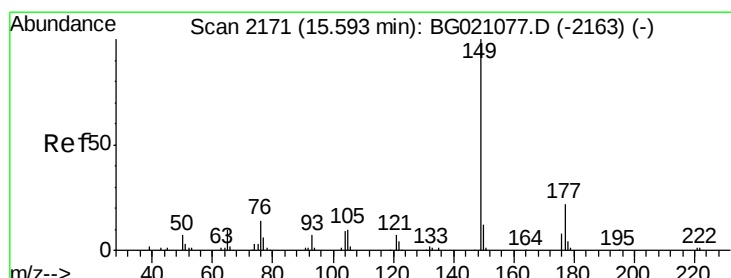
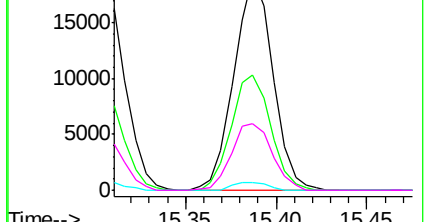


Abundance Ion 232.00 (231.70 to 232.70): E

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



#59

Diethylphthalate

Concen: 54.86 ng

RT: 15.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

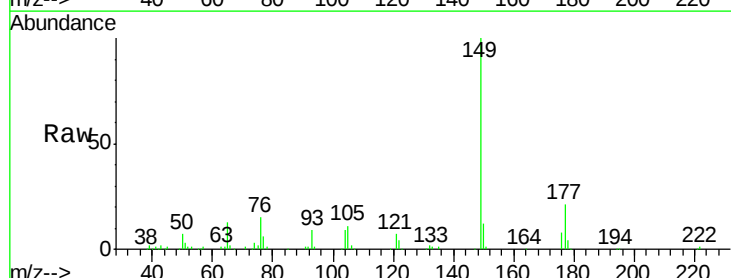
Tgt Ion: 149 Resp: 118340

Ion Ratio Lower Upper

149 100

177 20.7 15.8 23.8

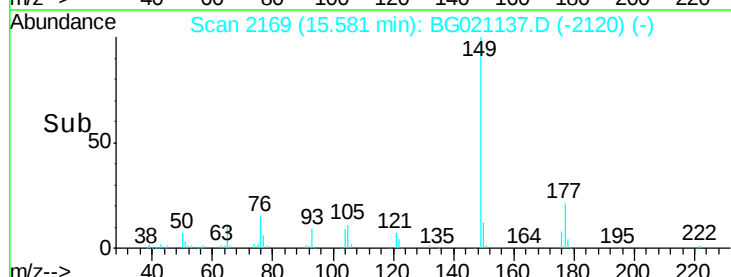
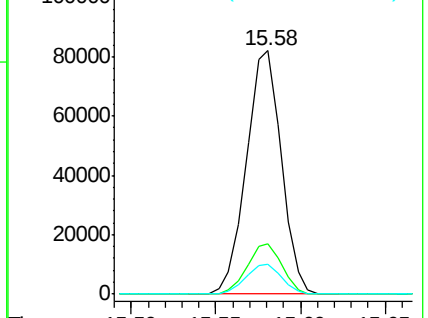
150 12.2 10.1 15.1

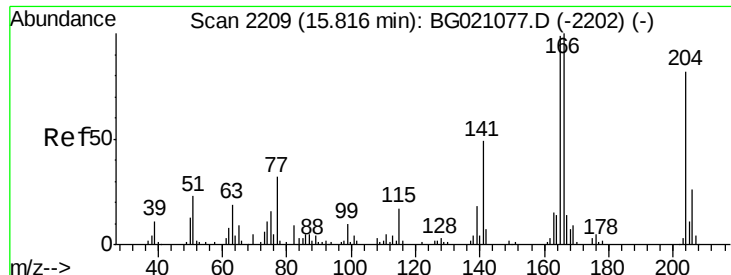


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





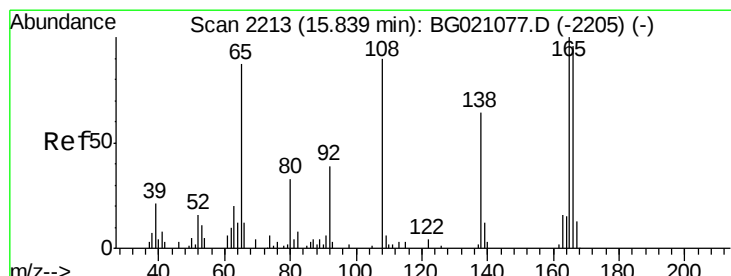
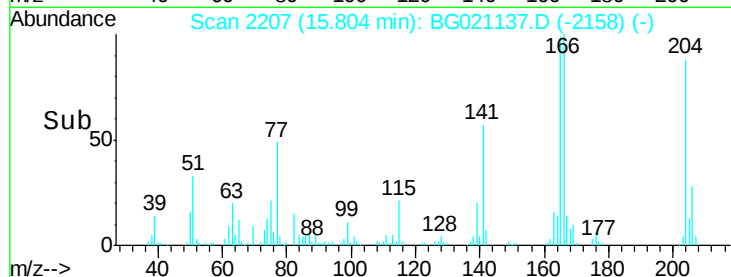
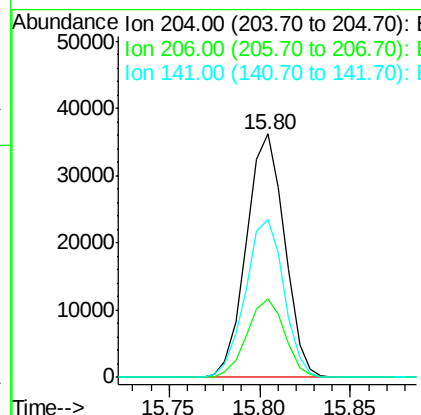
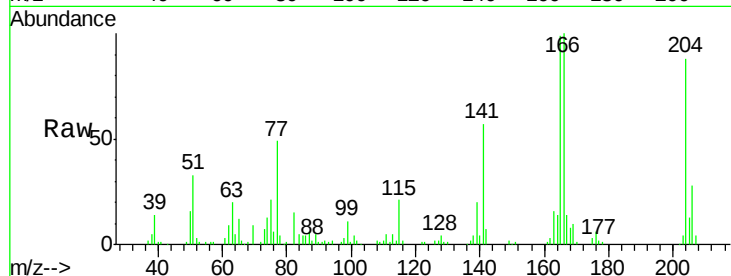
#60
 4-Chlorophenyl-phenylether
 Concen: 47.64 ng
 RT: 15.80 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampled :
 EP004MSD

Tgt Ion	Ratio	Resp Lower	Upper
204	100		
206	32.3	26.9	40.3
141	65.0	50.8	76.2

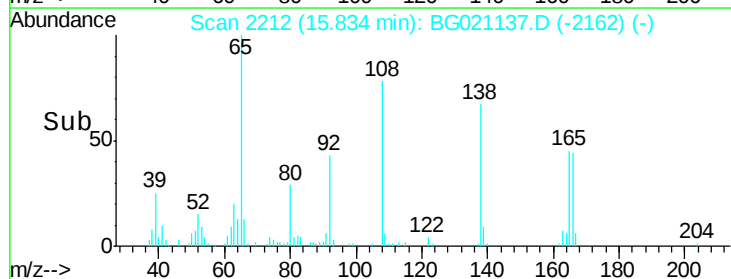
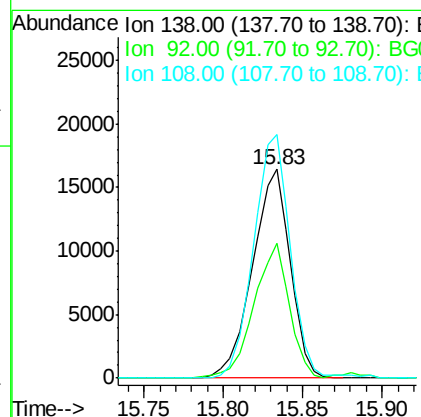
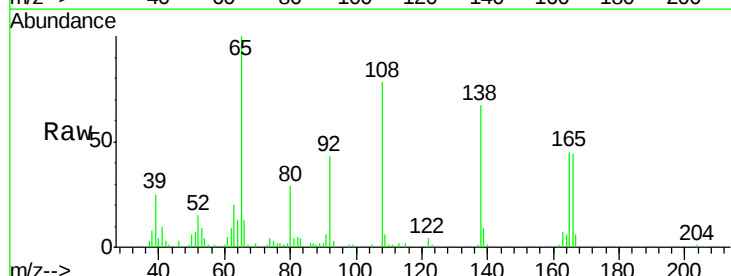
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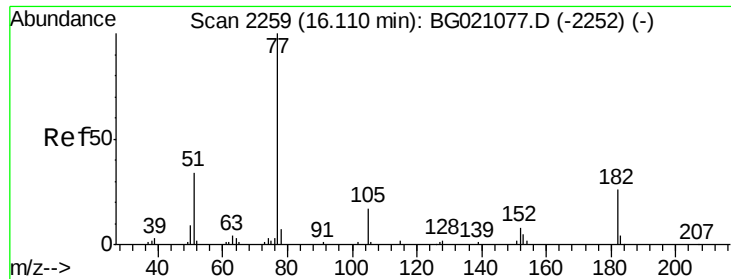
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#61
 4-Nitroaniline
 Concen: 58.19 ng
 RT: 15.83 min Scan# 2212
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Upper
138	100		
92	64.8	28.0	68.0
108	116.7	52.6	92.6#





#62

Azobenzene

Concen: 72.28 ng

RT: 16.10 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BG021137.D

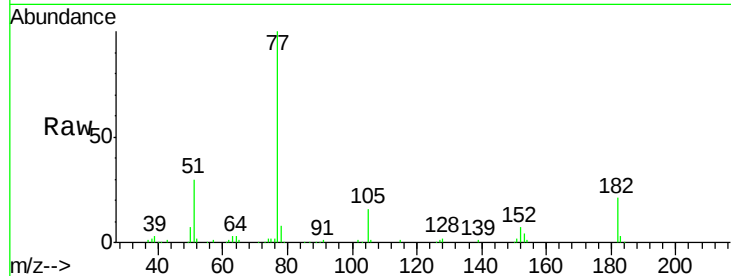
Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

ClientSampleId :

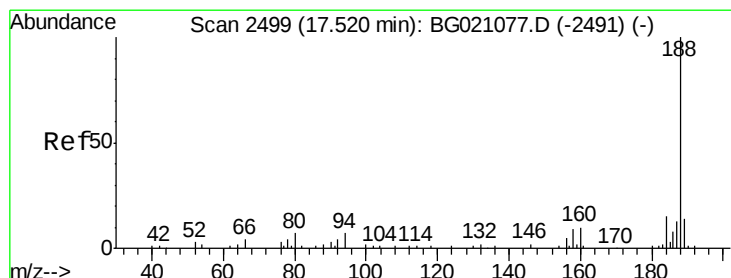
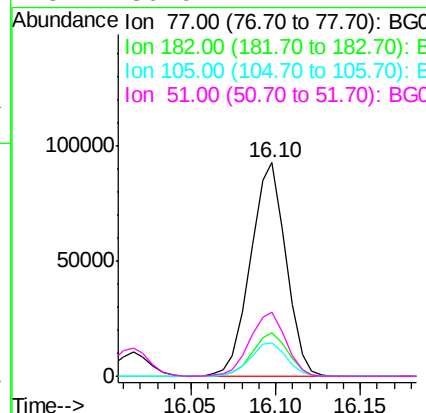
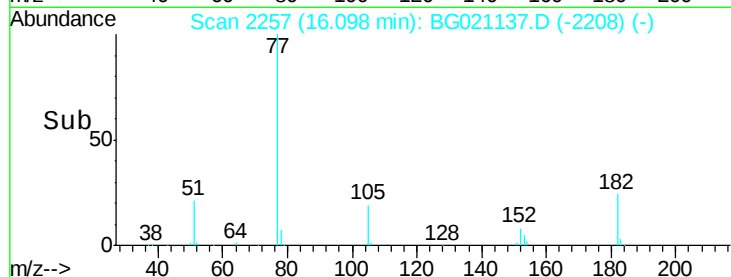
EP004MSD



Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.6	0.7	40.7
105	15.9	0.0	38.3
51	30.0	4.4	44.4

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#63

Phenanthrene-d10

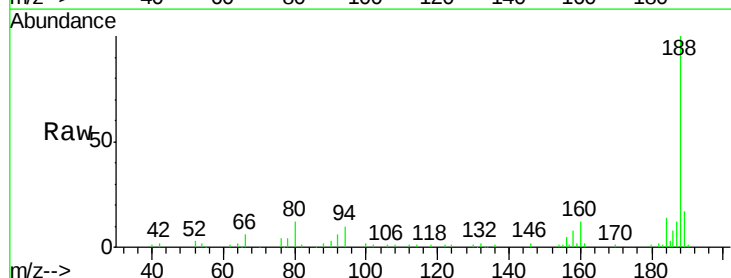
Concen: 20.00 ng

RT: 17.51 min Scan# 2497

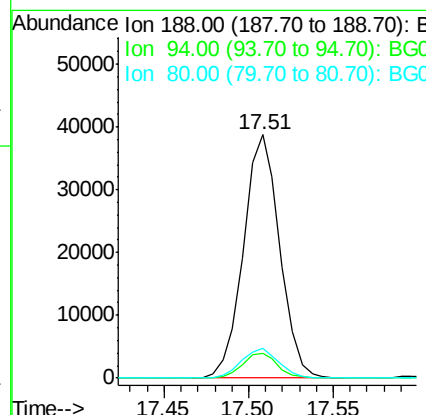
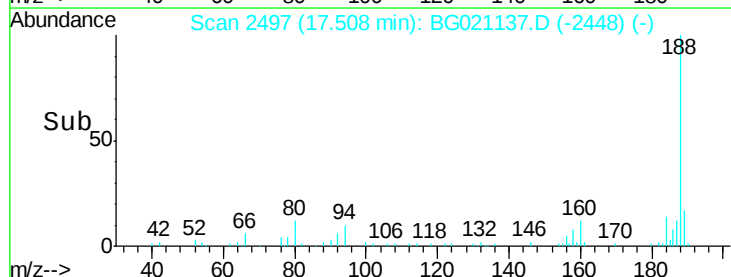
Delta R.T. -0.01 min

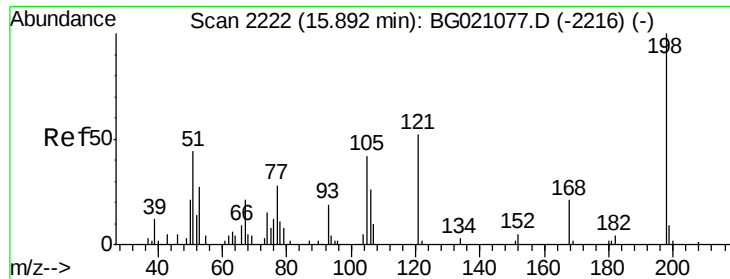
Lab File: BG021137.D

Acq: 28 Feb 2016 5:29



Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.4
80	12.3	9.2	13.8





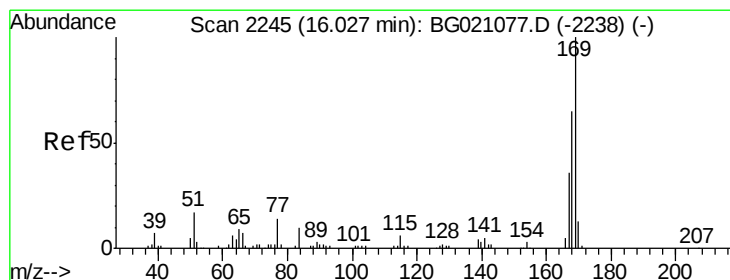
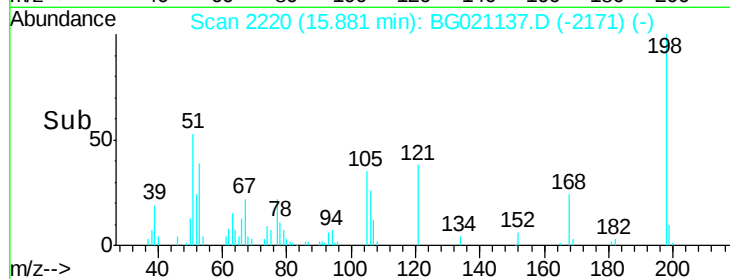
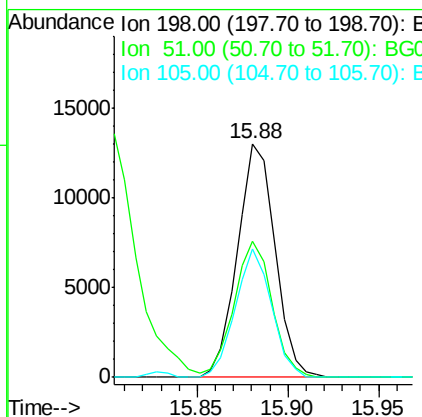
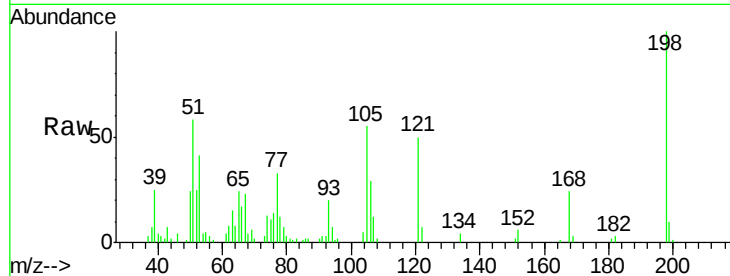
#64
 4,6-Dinitro-2-methylphenol
 Concen: 44.49 ng
 RT: 15.88 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	18792		
51	58.2	30.4	70.4	
105	55.1	32.8	72.8	

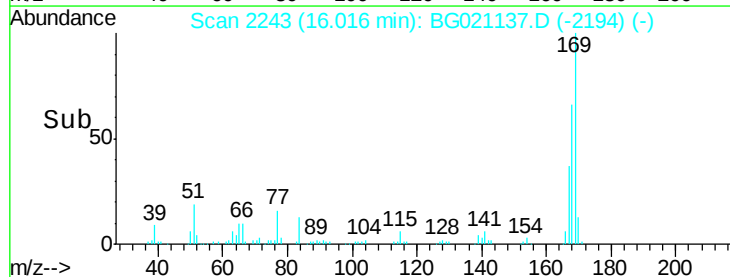
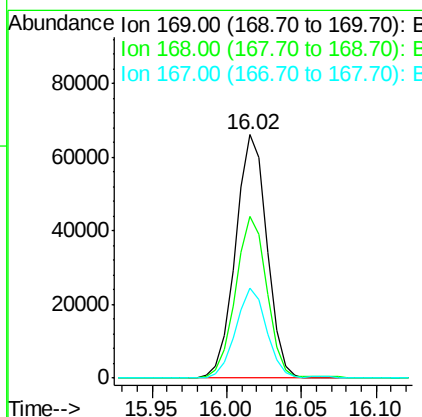
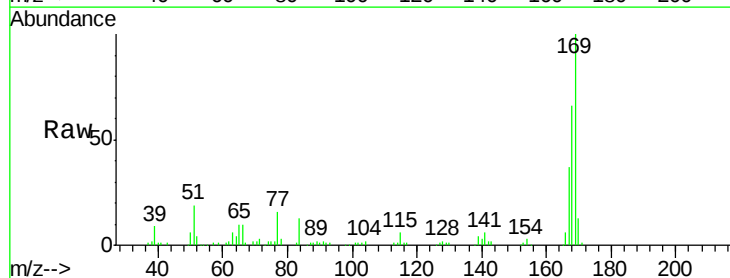
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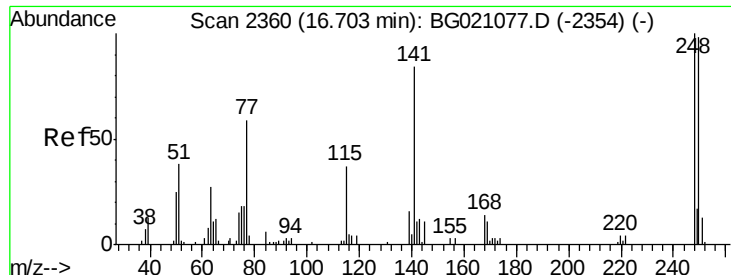
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#65
 n-Nitrosodiphenylamine
 Concen: 57.05 ng
 RT: 16.02 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	96914		
168	66.3	58.2	87.2	
167	37.1	31.0	46.6	





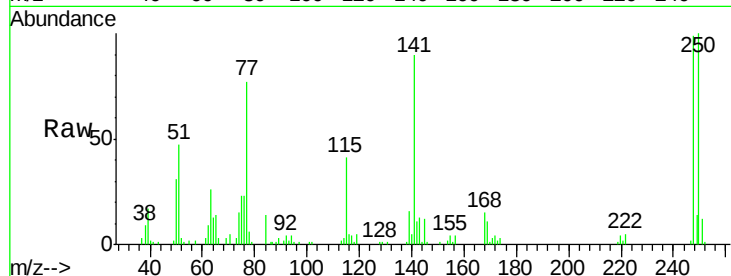
#66
 4-Bromophenyl-phenylether
 Concen: 46.64 ng
 RT: 16.70 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

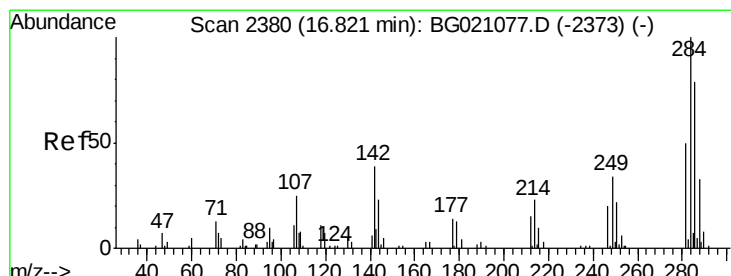
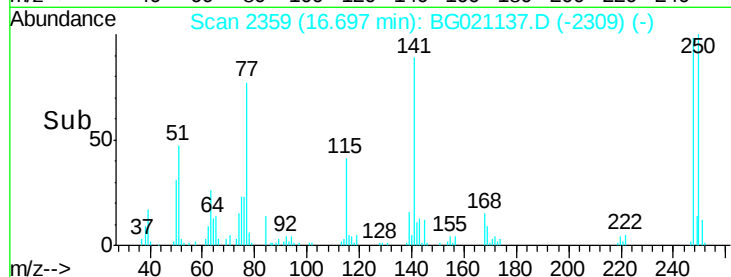
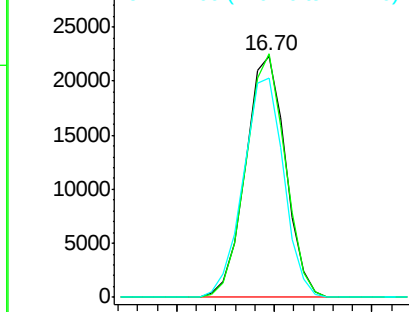
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.0	76.4	114.6
141	90.9	57.4	86.0

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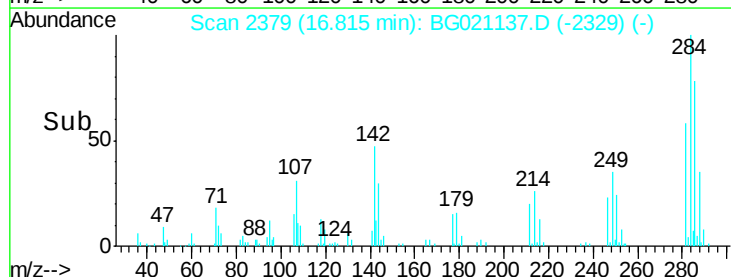
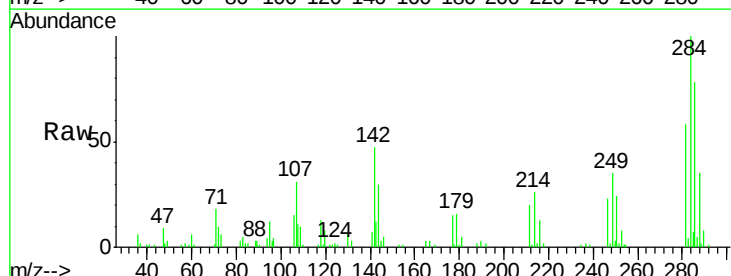
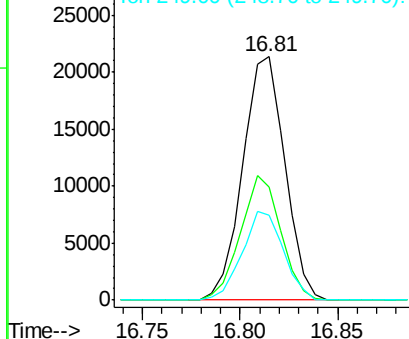
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

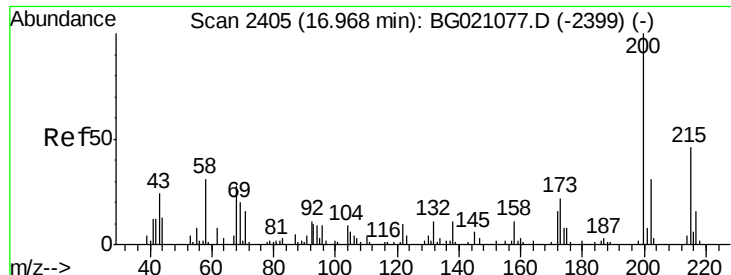


#67
 Hexachlorobenzene
 Concen: 44.65 ng
 RT: 16.81 min Scan# 2379
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.5	32.1	48.1
249	37.9	24.0	36.0

Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





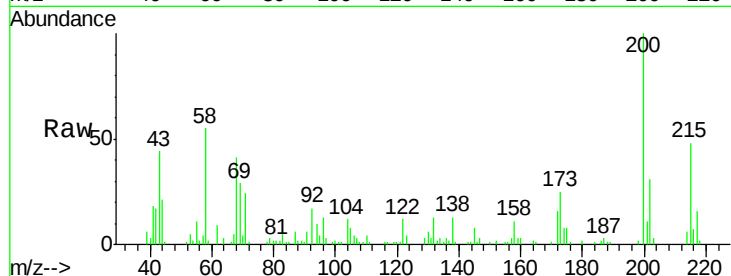
#68
Atrazine
Concen: 58.47 ng
RT: 16.96 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

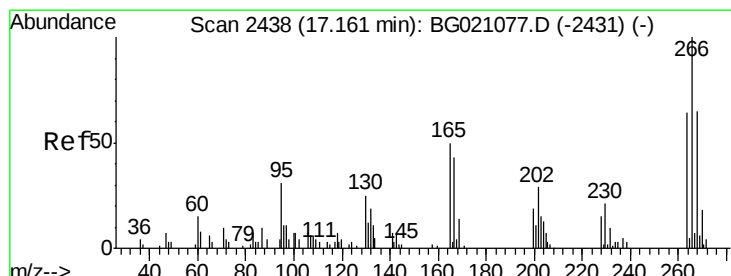
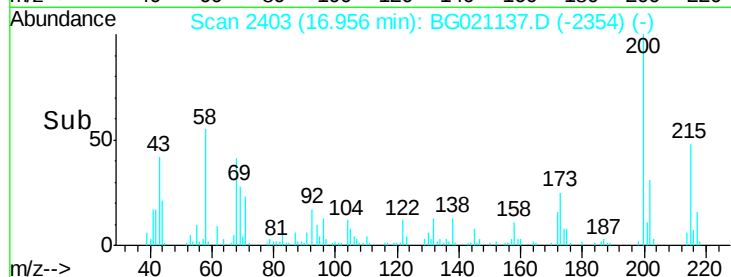
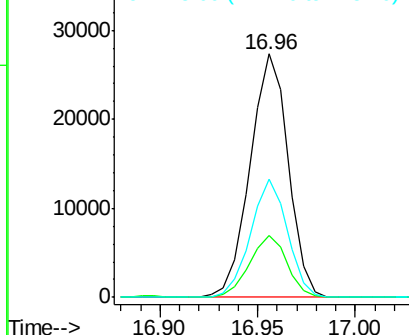
Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	25.3	3.9	43.9
215	48.4	29.0	69.0

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2/29/2016 12:40:28 PM

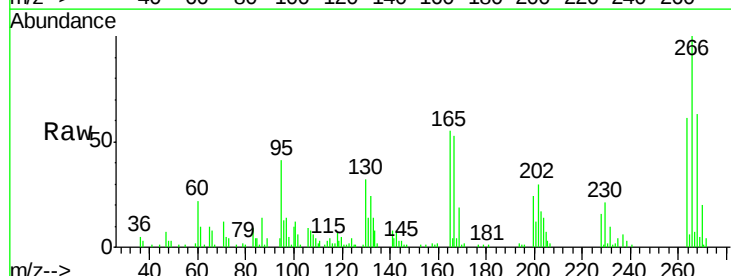


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

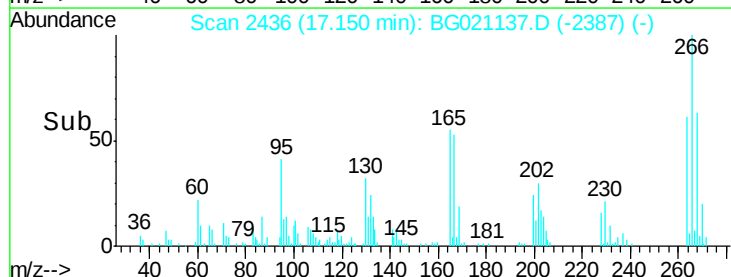
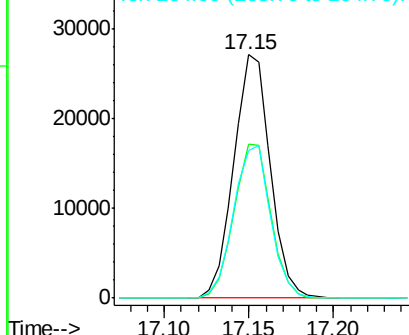


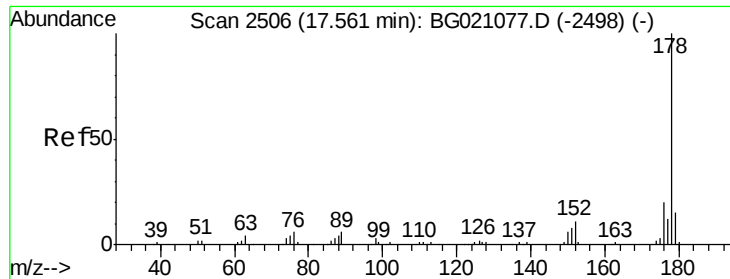
#69
Pentachlorophenol
Concen: 84.32 ng
RT: 17.15 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.9	51.0	76.6
264	66.5	47.8	71.8



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





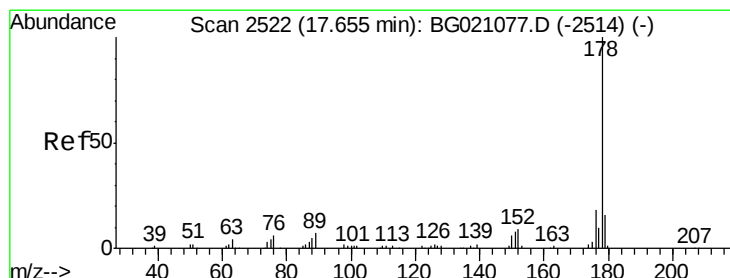
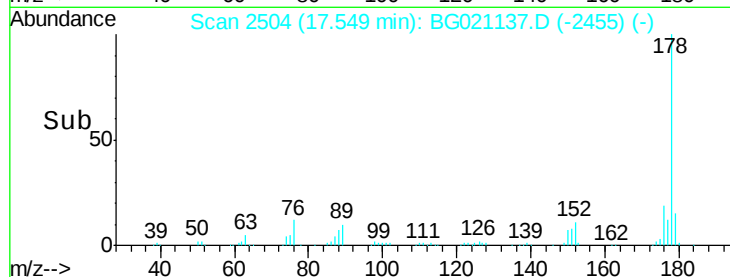
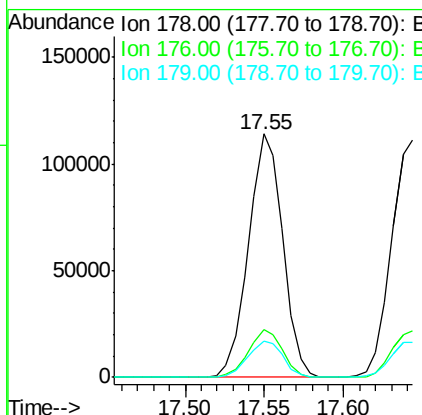
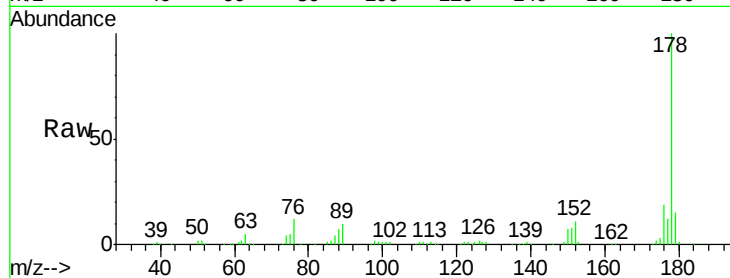
#70
Phenanthrene
Concen: 55.19 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	14.9	12.9	19.3

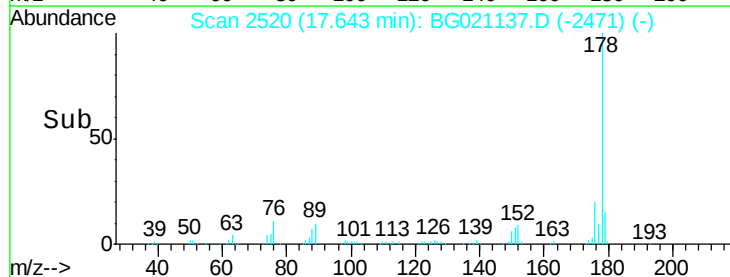
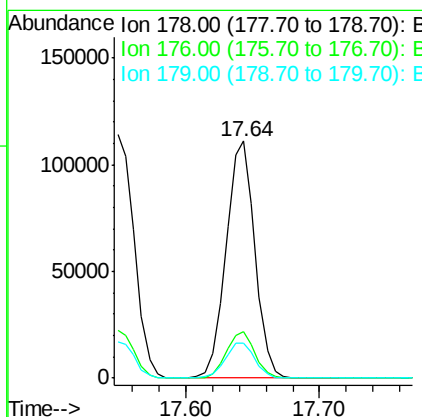
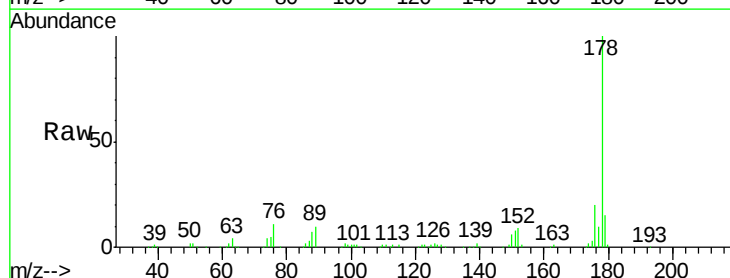
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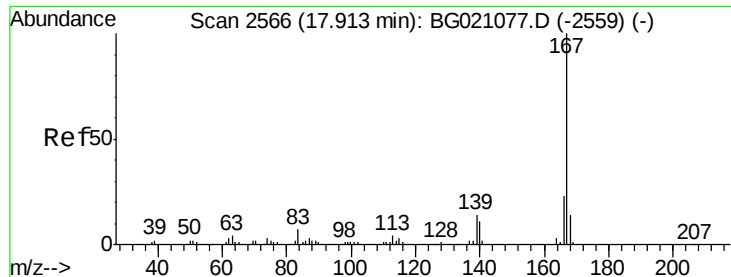
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#71
Anthracene
Concen: 53.48 ng
RT: 17.64 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.8	22.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 58.09 ng

RT: 17.91 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

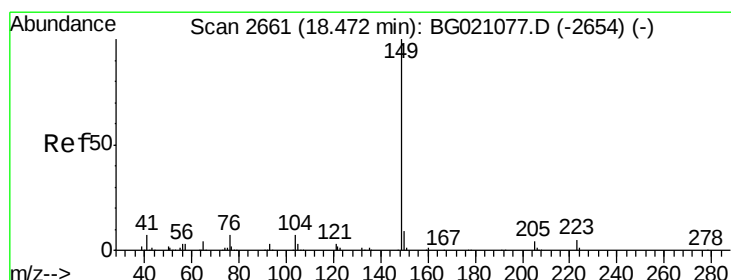
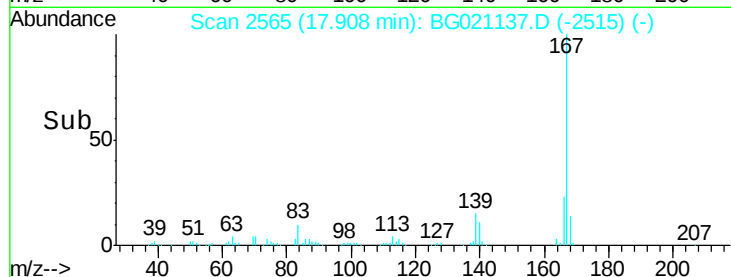
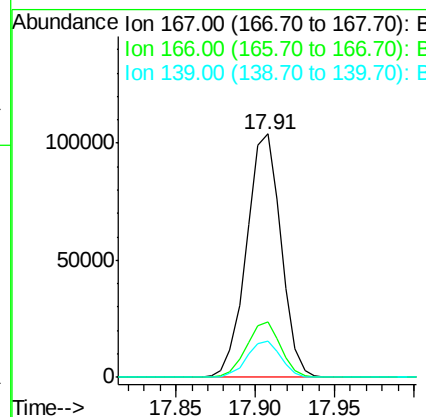
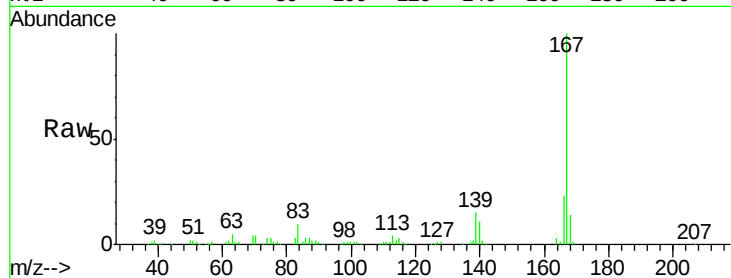
ClientSampleId :

EP004MSD

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	156499		
166	23.0		17.5	26.3
139	14.7		10.3	15.5

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#73

Di-n-butylphthalate

Concen: 58.45 ng

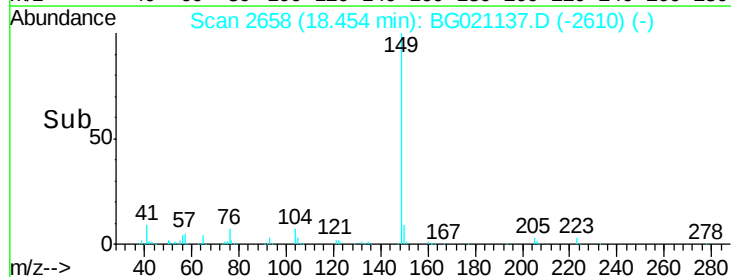
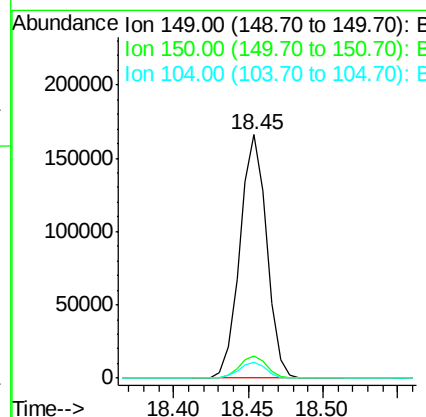
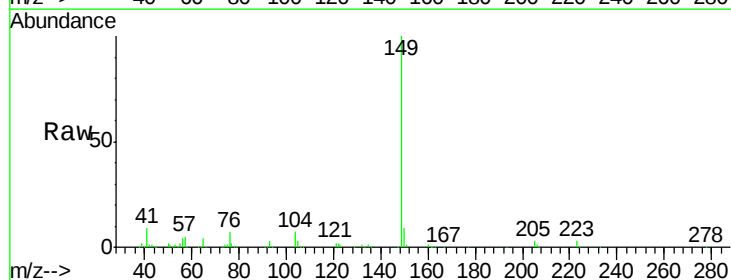
RT: 18.45 min Scan# 2658

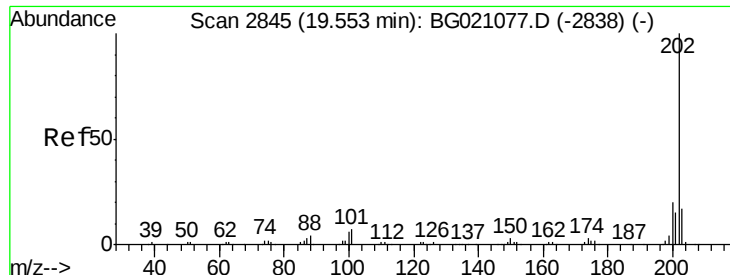
Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	207562		
150	9.2		7.6	11.4
104	6.7		4.1	6.1#





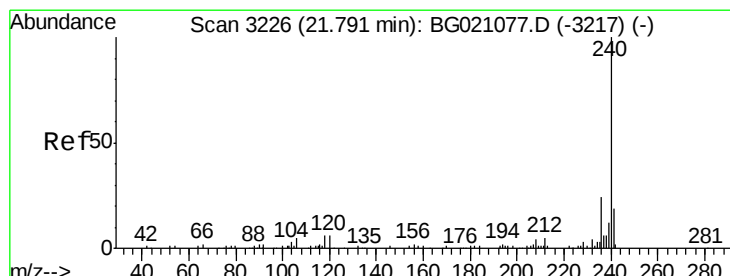
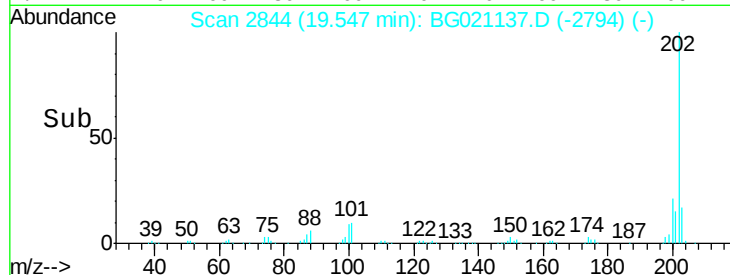
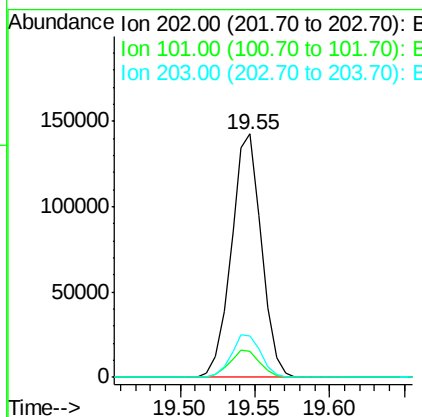
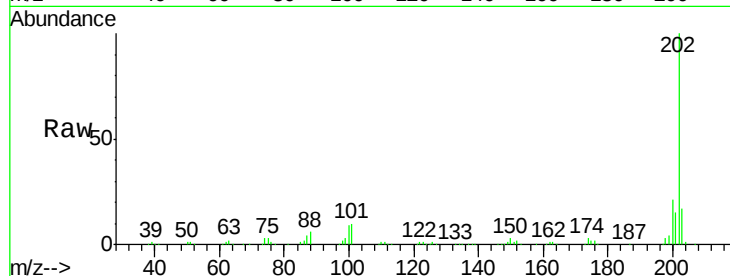
#74
 Fluoranthene
 Concen: 51.49 ng
 RT: 19.55 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.5	0.0	32.5
203	17.0	0.0	37.6

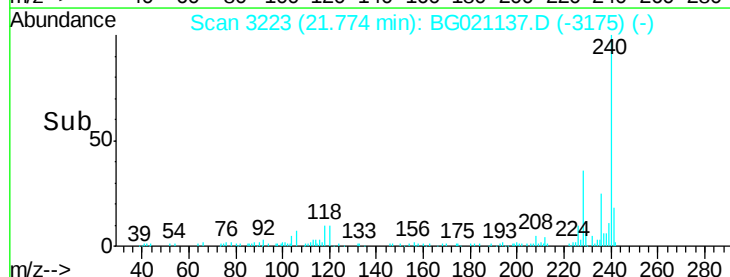
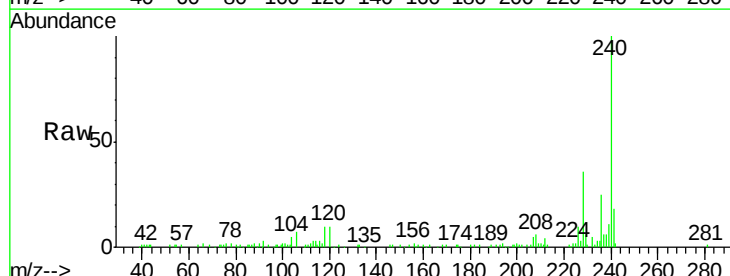
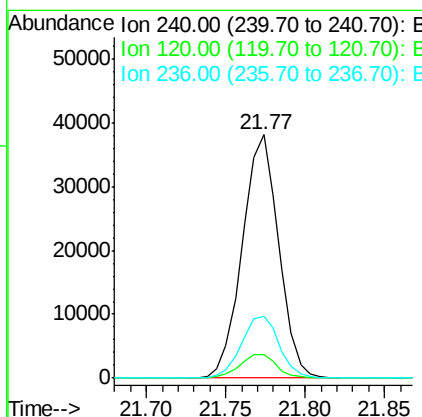
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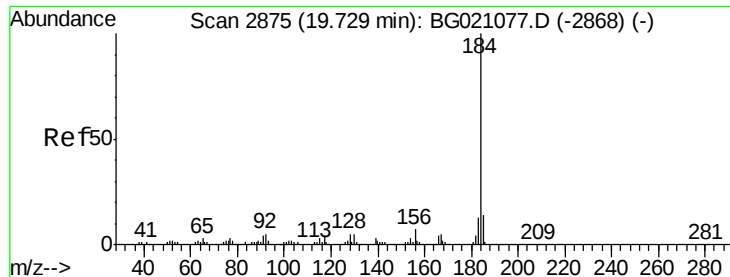
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.77 min Scan# 3223
 Delta R.T. -0.02 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.7	7.5	11.3
236	25.3	20.5	30.7





#76

Benzidine

Concen: 24.08 ng

RT: 19.72 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

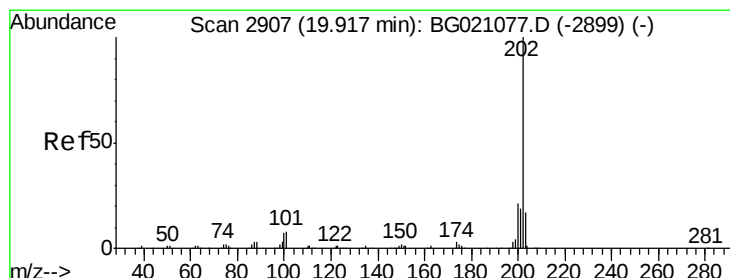
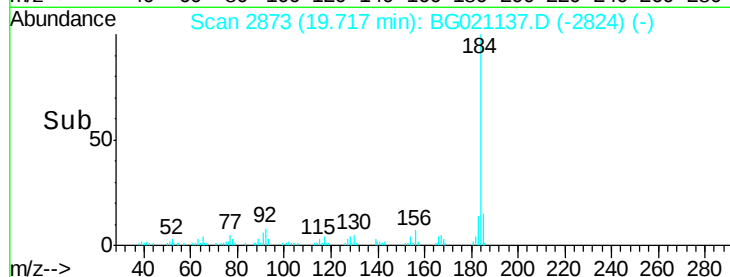
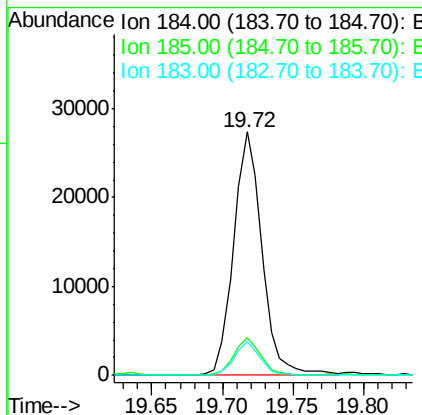
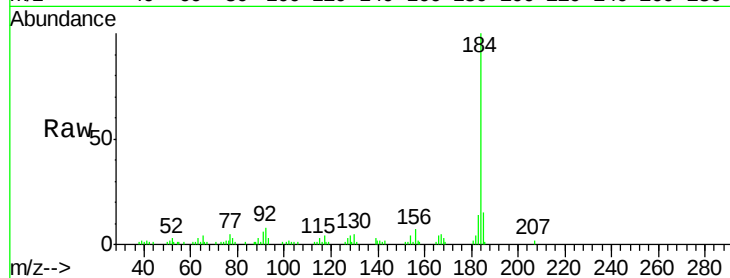
ClientSampleId :

EP004MSD

Tgt Ion:	184	Resp:	38401
Ion Ratio	Lower	Upper	
184	100		
185	15.5	11.5	17.3
183	13.7	10.1	15.1

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#77

Pyrene

Concen: 60.98 ng

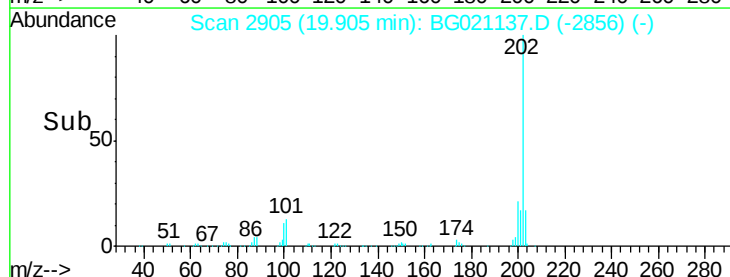
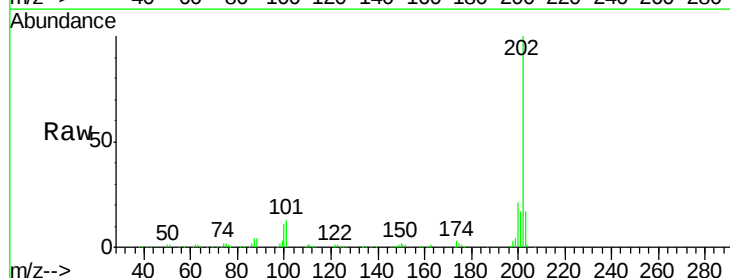
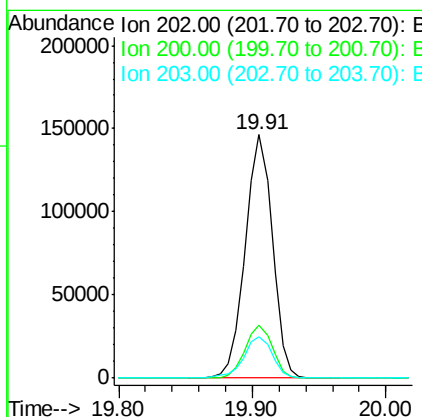
RT: 19.91 min Scan# 2905

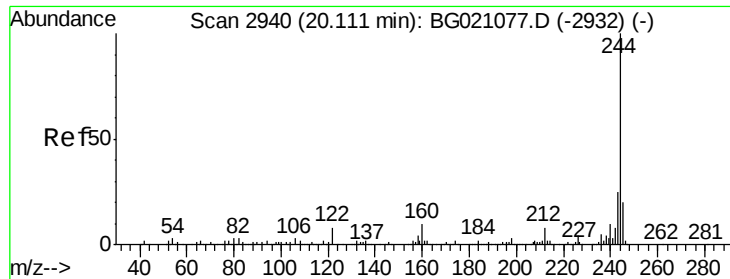
Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt Ion:	202	Resp:	204698
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.6	25.0
203	16.8	13.8	20.8





#78

Terphenyl-d14

Concen: 98.21 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

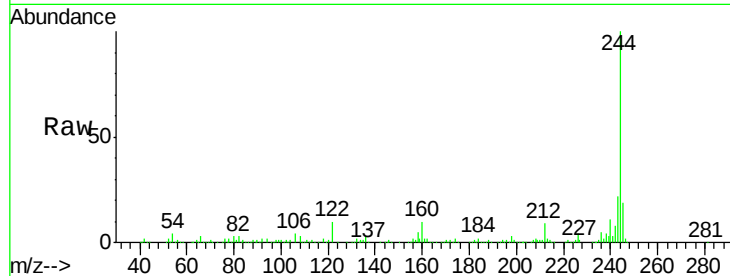
ClientSampleId :

EP004MSD

Tgt Ion:	244	Resp:	254750
Ion Ratio		Lower	Upper
244	100		
212	8.7	5.8	8.6#
122	10.3	8.3	12.5

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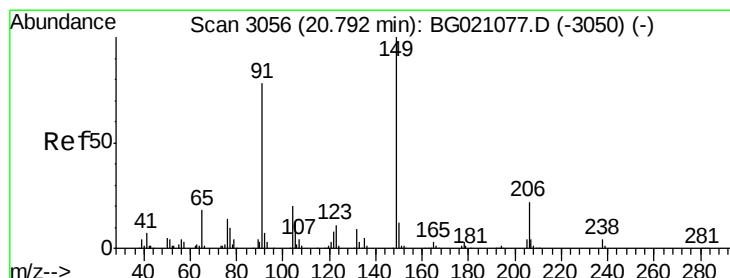
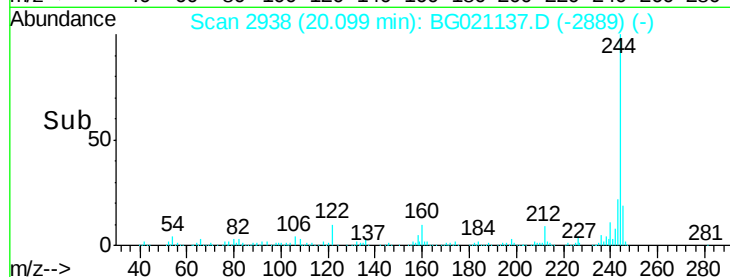
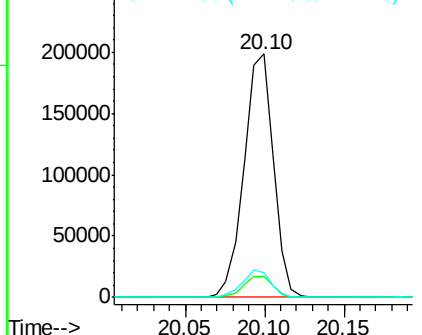
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 65.89 ng

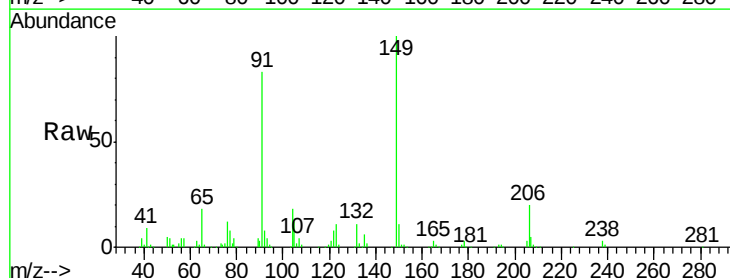
RT: 20.78 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

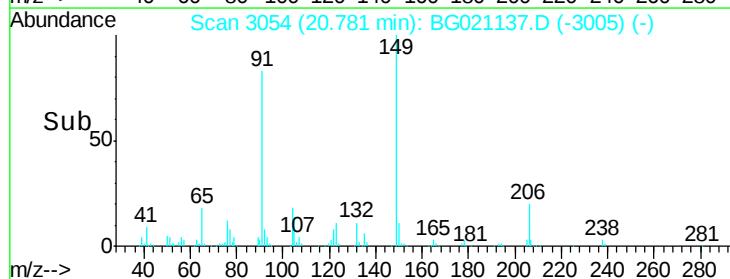
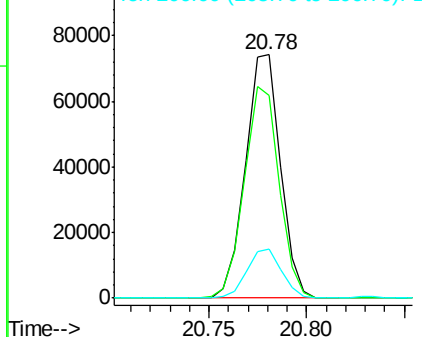
Tgt Ion:	149	Resp:	92296
Ion Ratio		Lower	Upper
149	100		
91	83.3	58.6	87.8
206	20.2	14.2	21.4

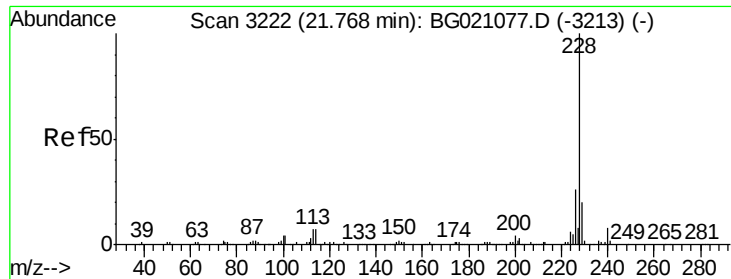


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





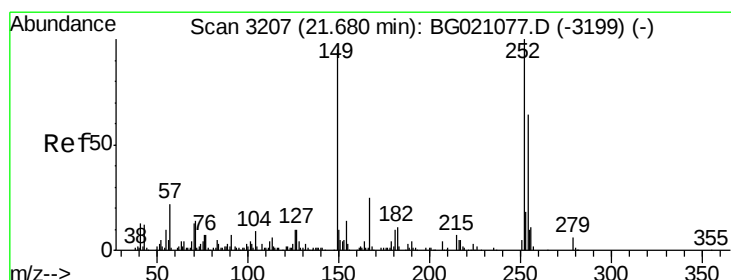
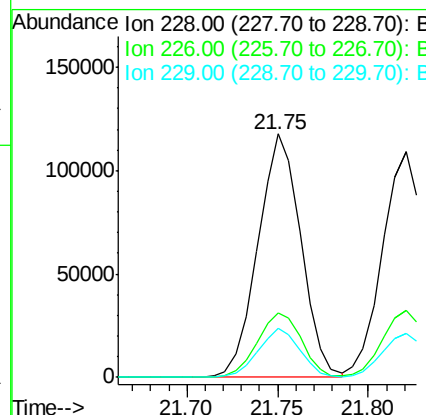
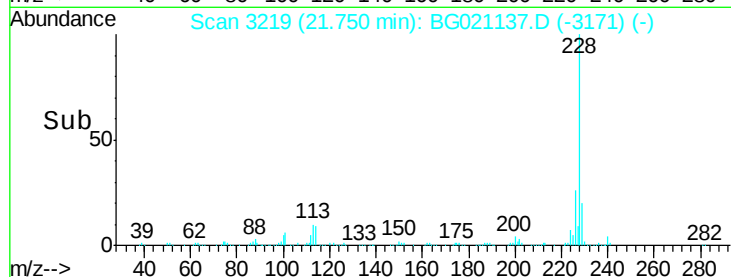
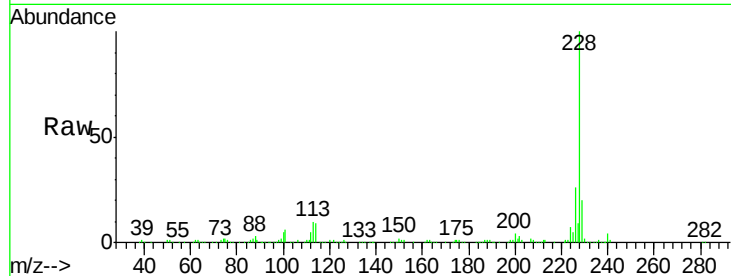
#80
Benzo(a)anthracene
Concen: 55.53 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.02 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.2	22.7	34.1
229	20.0	15.5	23.3

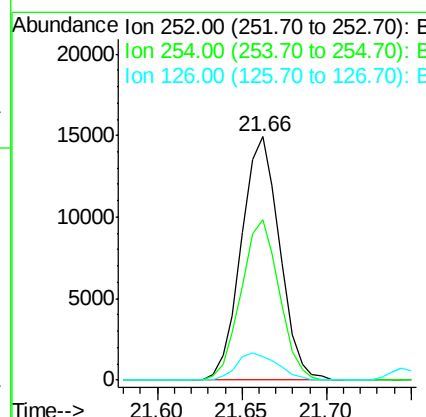
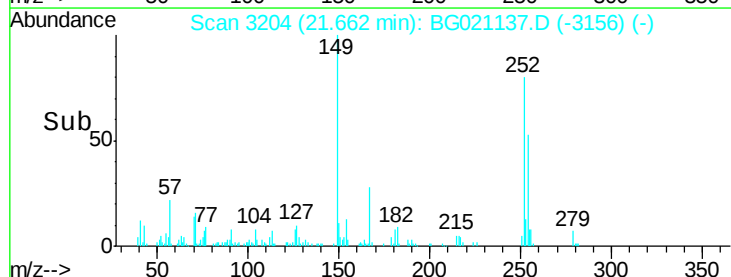
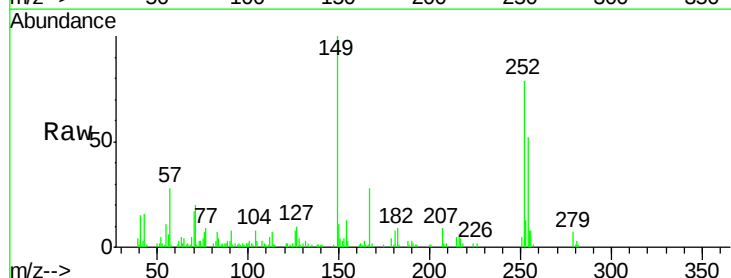
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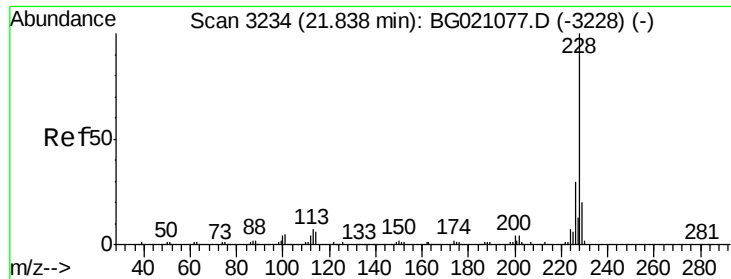
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#81
3,3'-Dichlorobenzidine
Concen: 17.27 ng
RT: 21.66 min Scan# 3204
Delta R.T. -0.02 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	65.9	52.6	79.0
126	9.9	8.3	12.5





#82

Chrysene

Concen: 52.14 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.02 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

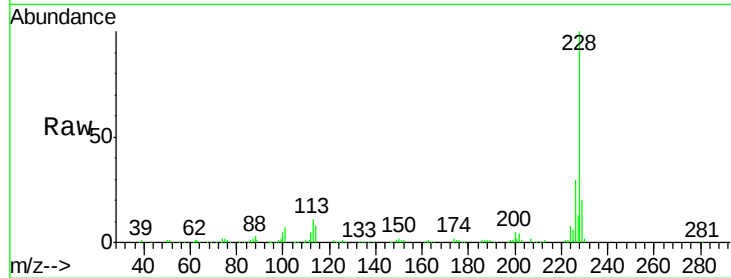
ClientSampleId :

EP004MSD

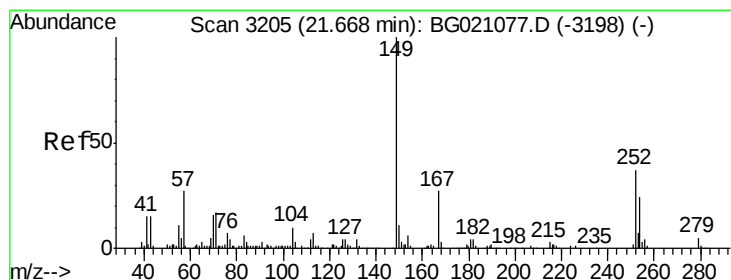
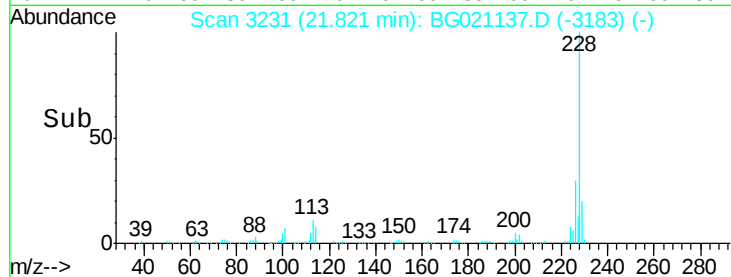
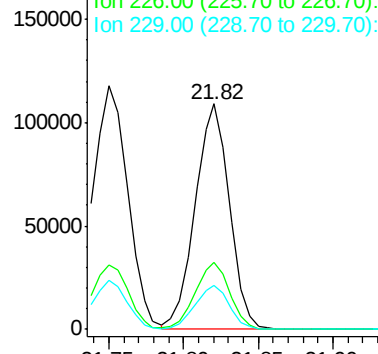
Tgt	Ion:228	Resp:	175131
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	19.6	16.7	25.1

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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



#83

Bis(2-ethylhexyl)phthalate

Concen: 62.69 ng

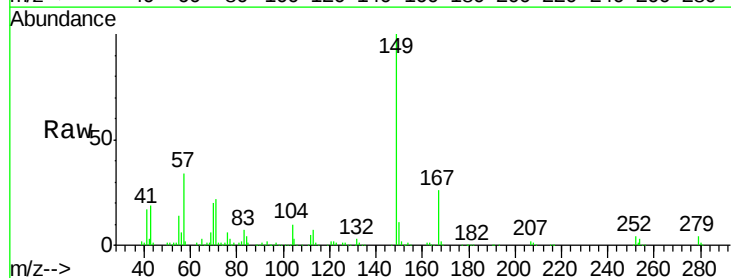
RT: 21.64 min Scan# 3201

Delta R.T. -0.02 min

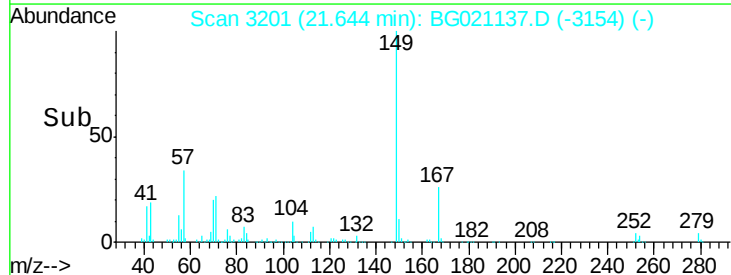
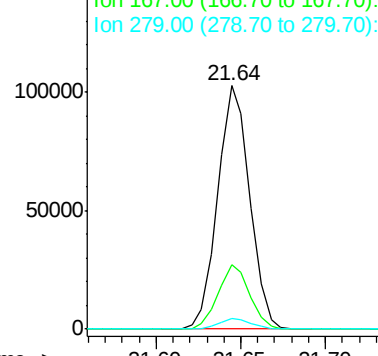
Lab File: BG021137.D

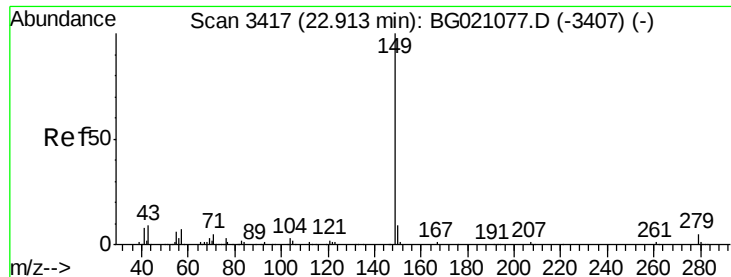
Acq: 28 Feb 2016 5:29

Tgt	Ion:149	Resp:	135619
Ion	Ratio	Lower	Upper
149	100		
167	26.2	18.9	28.3
279	4.1	3.0	4.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





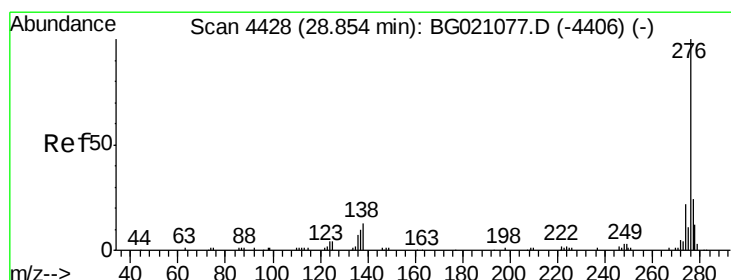
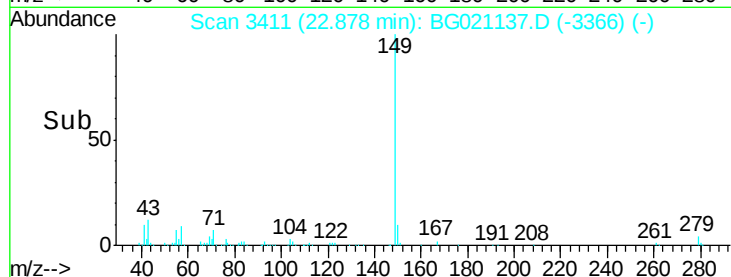
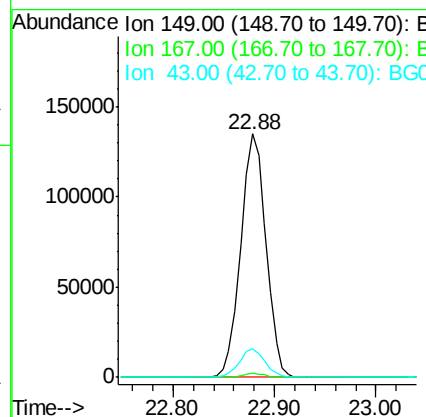
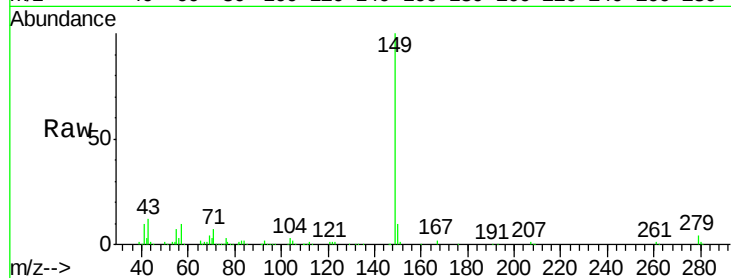
#84
Di-n-octyl phthalate
Concen: 64.24 ng
RT: 22.88 min Scan# 3411
Delta R.T. -0.04 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.4	1.1	1.7
43	12.1	9.8	14.8

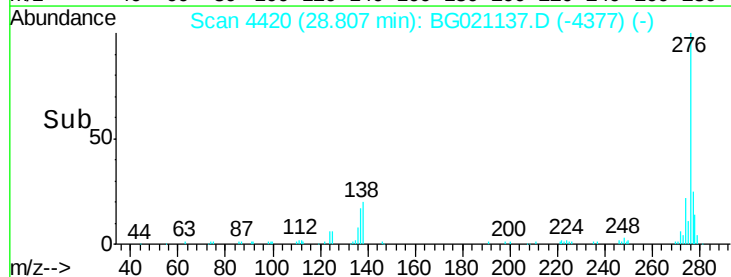
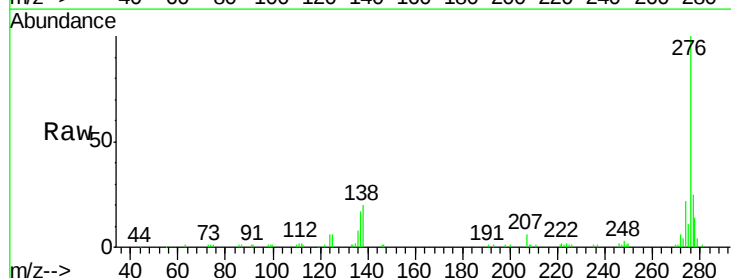
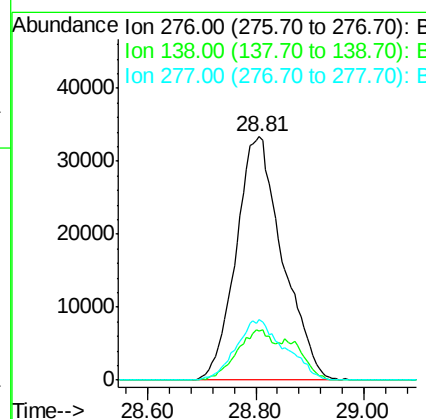
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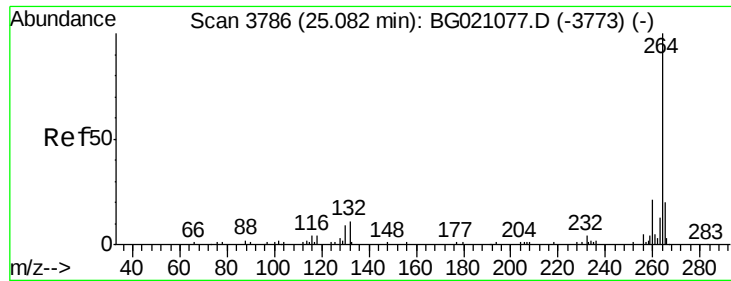
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#85
Indeno(1,2,3-cd)pyrene
Concen: 49.16 ng
RT: 28.81 min Scan# 4420
Delta R.T. -0.05 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.7	0.0	0.0#
277	25.8	0.0	0.0#





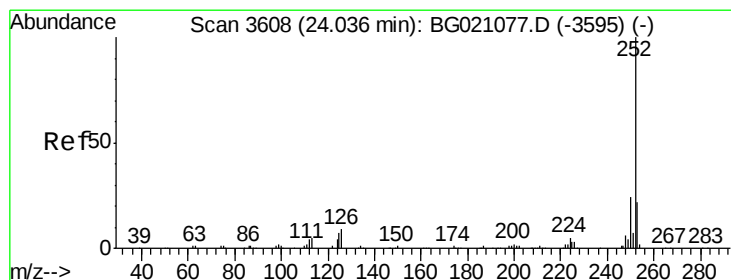
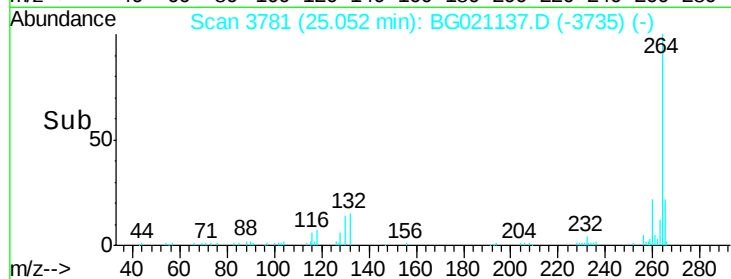
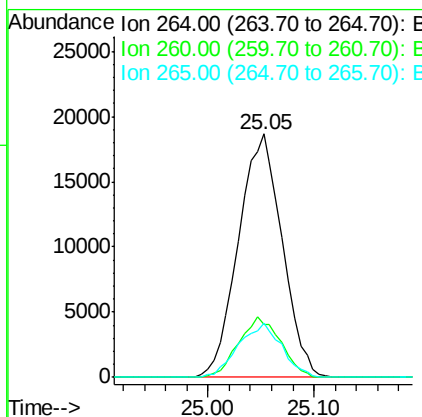
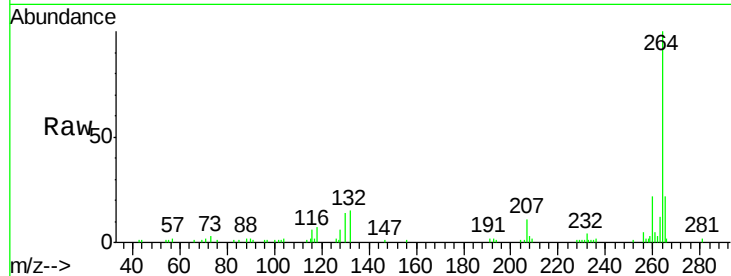
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3781
 Delta R.T. -0.03 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Instrument :
 BNA_G
 ClientSampleId :
 EP004MSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	18.5	27.7
265	22.1	18.6	28.0

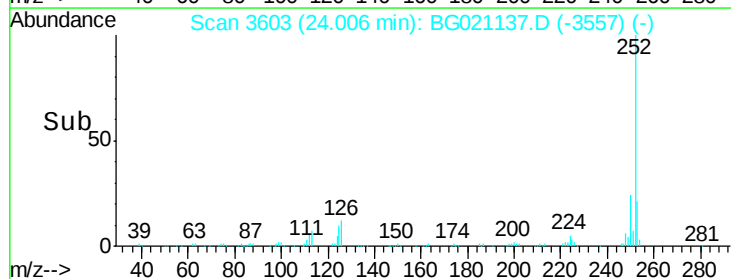
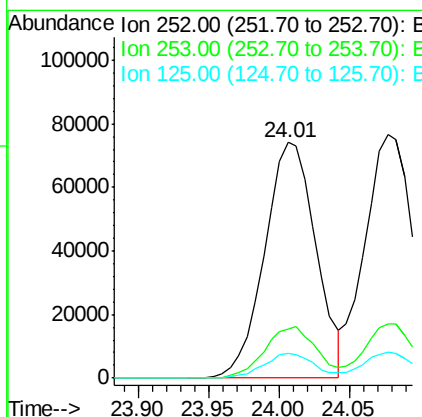
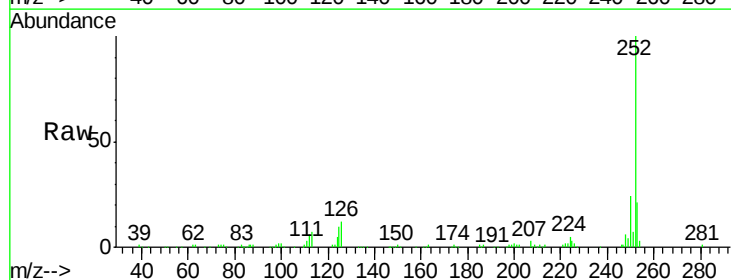
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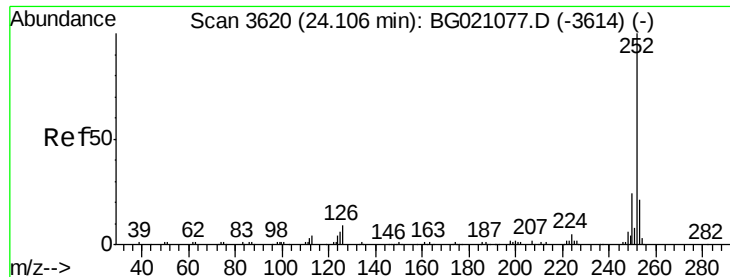
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#87
 Benzo(b)fluoranthene
 Concen: 56.09 ng
 RT: 24.01 min Scan# 3603
 Delta R.T. -0.03 min
 Lab File: BG021137.D
 Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.8	25.2
125	10.3	8.2	12.2





#88

Benzo(k)fluoranthene

Concen: 55.28 ng

RT: 24.08 min Scan# 3615

Delta R.T. -0.03 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Instrument :

BNA_G

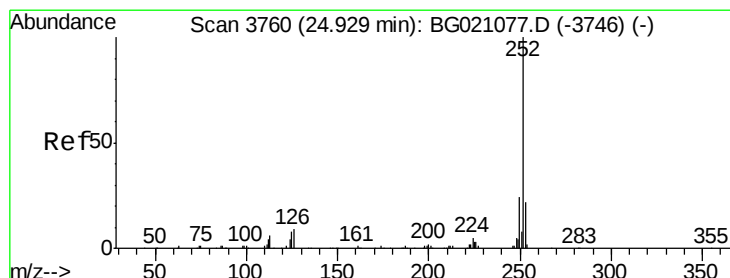
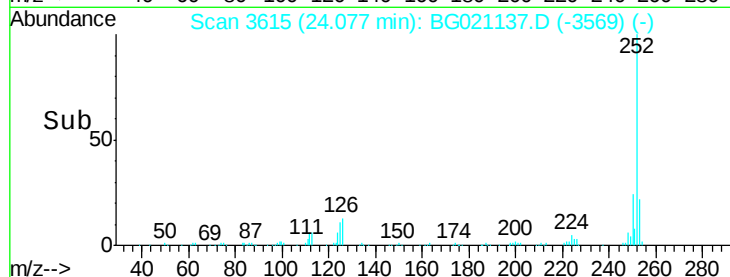
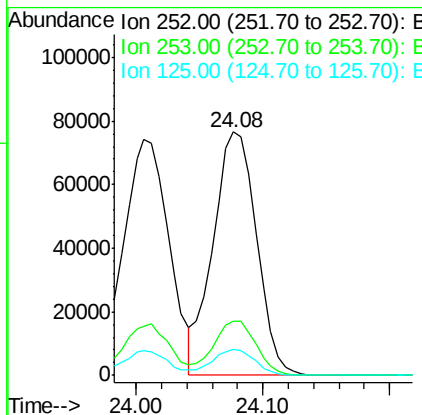
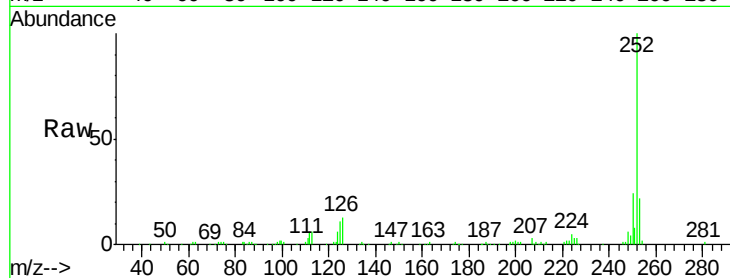
ClientSampleId :

EP004MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		182422		
253	22.4	16.4	24.6		
125	10.7	8.2	12.2		

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#89

Benzo(a)pyrene

Concen: 56.06 ng

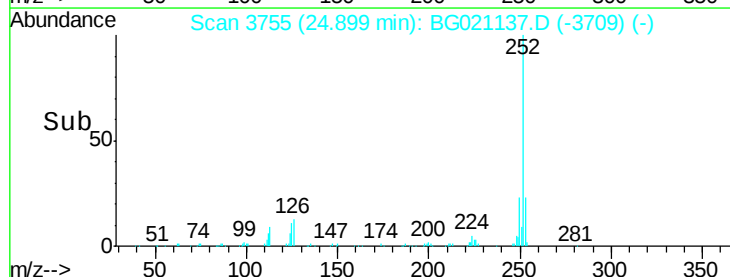
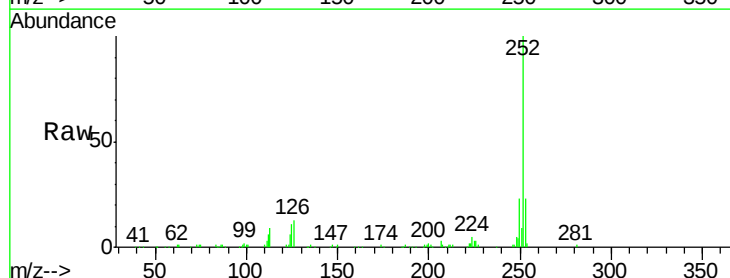
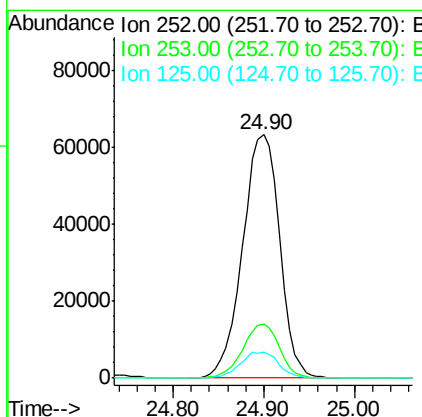
RT: 24.90 min Scan# 3755

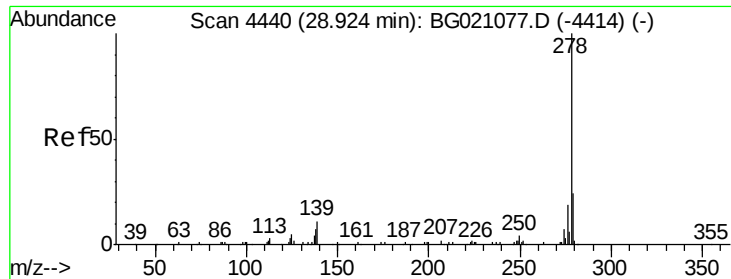
Delta R.T. -0.03 min

Lab File: BG021137.D

Acq: 28 Feb 2016 5:29

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		180126		
253	22.5	15.8	23.8		
125	10.9	8.4	12.6		





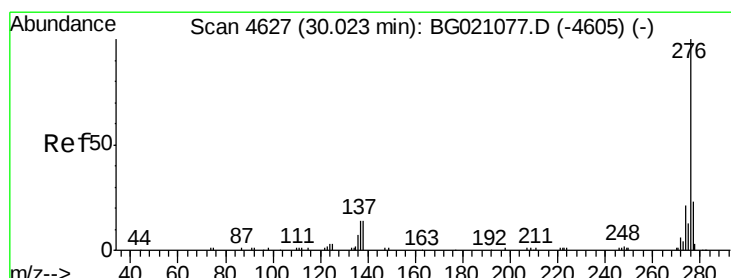
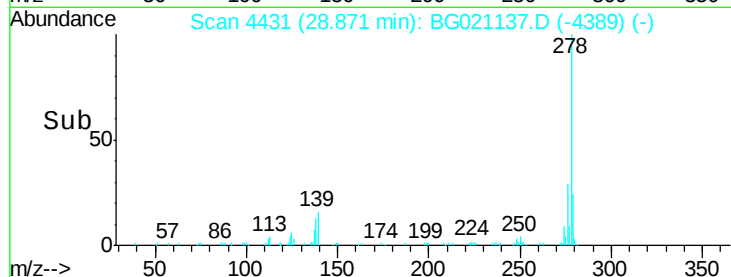
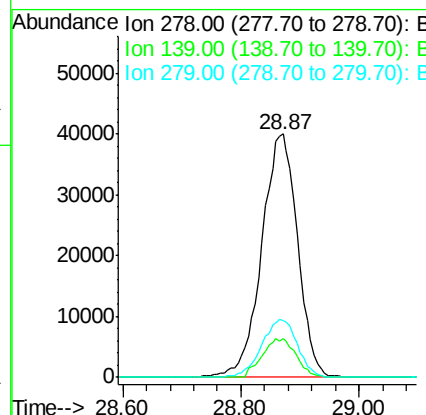
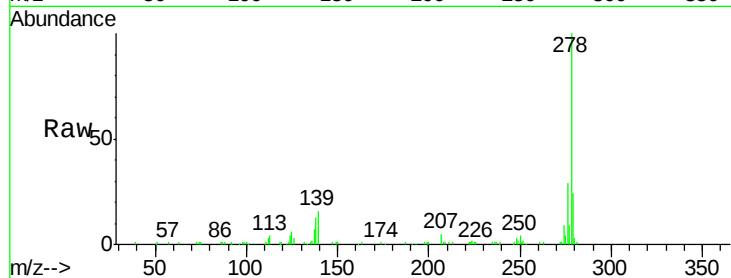
#90
Dibenzo(a,h)anthracene
Concen: 51.98 ng
RT: 28.87 min Scan# 4431
Delta R.T. -0.05 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Instrument :
BNA_G
ClientSampleId :
EP004MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	10.6	15.8
279	23.5	19.7	29.5

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2/29/2016 12:40:28 PM



#91
Benzo(g,h,i)perylene
Concen: 51.62 ng
RT: 29.98 min Scan# 4620
Delta R.T. -0.04 min
Lab File: BG021137.D
Acq: 28 Feb 2016 5:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	16.6	25.0
138	19.1	14.6	21.8

