

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091416\
 Data File : BG023990.D
 Acq On : 14 Sep 2016 20:20
 Operator : UM/SJ
 Sample : H4764-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

Quant Time: Sep 15 00:36:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 09 16:24:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	46277	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	202049	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	179412	20.00	ng	-0.02
63) Phenanthrene-d10	17.51	188	417729	20.00	ng	-0.01
75) Chrysene-d12	21.82	240	431960	20.00	ng	-0.02
86) Perylene-d12	25.19	264	430036	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	385769	146.35	ng	-0.02
7) Phenol-d6	7.25	99	557752	137.46	ng	-0.03
23) Nitrobenzene-d5	9.26	82	455024	100.54	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	393482	121.73	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	956070	76.40	ng	-0.02
78) Terphenyl-d14	20.12	244	1745151	92.01	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	43995	40.47	ng	# 91
3) Pyridine	3.91	79	111847	34.23	ng	99
4) n-Nitrosodimethylamine	3.81	42	87361	50.73	ng	# 93
6) Aniline	7.40	93	85373	15.85	ng	95
8) 2-Chlorophenol	7.65	128	138204	45.26	ng	92
9) Benzaldehyde	7.22	77	22401	7.77	ng	# 76
10) Phenol	7.28	94	191308	44.82	ng	93
11) bis(2-Chloroethyl)ether	7.49	93	150189	44.72	ng	91
12) 1,3-Dichlorobenzene	7.96	146	149220	41.75	ng	95
13) 1,4-Dichlorobenzene	8.12	146	157221	41.52	ng	95
14) 1,2-Dichlorobenzene	8.44	146	147731	41.57	ng	93
15) Benzyl Alcohol	8.33	79	192215	53.73	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.61	45	187029	41.55	ng	94
17) 2-Methylphenol	8.54	107	138656	48.22	ng	97
18) Hexachloroethane	9.16	117	64242	44.06	ng	97
19) n-Nitroso-di-n-propylamine	8.89	70	164206	45.81	ng	94
20) 3+4-Methylphenols	8.87	107	193879	48.38	ng	97
22) Acetophenone	8.91	105	229940	43.96	ng	# 99
24) Nitrobenzene	9.30	77	245283	50.40	ng	# 97
25) Isophorone	9.82	82	429245	48.91	ng	99
26) 2-Nitrophenol	10.02	139	86901	46.97	ng	94
27) 2,4-Dimethylphenol	10.08	122	156505	49.77	ng	96
28) bis(2-Chloroethoxy)methane	10.31	93	215986	48.74	ng	98
29) 2,4-Dichlorophenol	10.58	162	178234	53.50	ng	95
30) 1,2,4-Trichlorobenzene	10.77	180	175357	47.99	ng	99
31) Naphthalene	10.96	128	544079	52.26	ng	100
32) Benzoic acid	10.26	122	85363	33.43	ng	100
33) 4-Chloroaniline	11.10	127	21762	5.01	ng	# 90
34) Hexachlorobutadiene	11.23	225	134624	49.06	ng	95
35) Caprolactam	11.88	113	38535	32.82	ng	97
36) 4-Chloro-3-methylphenol	12.22	107	229256	51.50	ng	98
37) 2-Methylnaphthalene	12.57	142	381571	48.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.94	216	206778	34.72	ng	99
40) Hexachlorocyclopentadiene	12.90	237	239459	67.91	ng	96

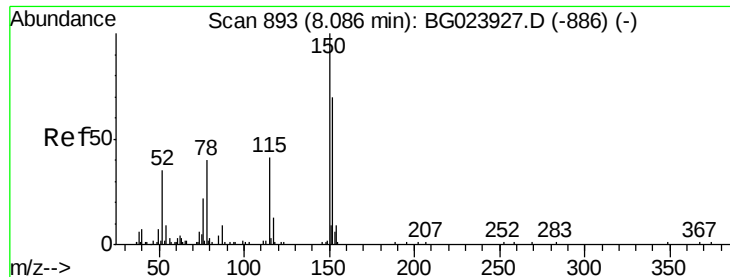
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091416\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.18	196	168722	42.46	ng	98
43) 2,4,5-Trichlorophenol	13.27	196	178675	44.48	ng	91
45) 1,1'-Biphenyl	13.58	154	494107	34.24	ng	98
46) 2-Chloronaphthalene	13.63	162	434975	41.06	ng	98
47) 2-Nitroaniline	13.84	65	204431	48.99	ng	94
48) Acenaphthylene	14.47	152	701689	39.73	ng	99
49) Dimethylphthalate	14.20	163	641869	41.72	ng	98
50) 2,6-Dinitrotoluene	14.33	165	138776	42.73	ng	89
51) Acenaphthene	14.82	154	450218	41.24	ng	94
52) 3-Nitroaniline	14.68	138	16484	5.43	ng	# 65
53) 2,4-Dinitrophenol	14.89	184	191649	80.66	ng	90
54) Dibenzofuran	15.15	168	749868	44.01	ng	98
55) 4-Nitrophenol	15.01	139	186052	76.98	ng	86
56) 2,4-Dinitrotoluene	15.13	165	208764	43.73	ng	# 85
57) Fluorene	15.80	166	636274	43.06	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.39	232	197594	48.46	ng	96
59) Diethylphthalate	15.56	149	686957	41.83	ng	99
60) 4-Chlorophenyl-phenylether	15.79	204	340898	42.86	ng	97
61) 4-Nitroaniline	15.85	138	109811	35.76	ng	97
62) Azobenzene	16.08	77	768082	48.29	ng	96
64) 4,6-Dinitro-2-methylphenol	15.90	198	138429	47.73	ng	92
65) n-Nitrosodiphenylamine	16.01	169	591532	49.86	ng	97
66) 4-Bromophenyl-phenylether	16.69	248	251627	49.51	ng	99
67) Hexachlorobenzene	16.82	284	259783	43.58	ng	97
68) Atrazine	16.96	200	224166	43.91	ng	94
69) Pentachlorophenol	17.17	266	290637	91.81	ng	99
70) Phenanthrene	17.56	178	1091434	50.22	ng	98
71) Anthracene	17.65	178	1106210	49.90	ng	97
72) Carbazole	17.93	167	934939	46.48	ng	98
73) Di-n-butylphthalate	18.46	149	1125085	46.88	ng	97
74) Fluoranthene	19.57	202	1275483	48.75	ng	96
77) Pyrene	19.93	202	1266094	47.66	ng	95
79) Butylbenzylphthalate	20.80	149	493364	48.17	ng	98
80) Benzo(a)anthracene	21.80	228	1226778	50.73	ng	95
81) 3,3'-Dichlorobenzidine	21.72	252	134643	13.93	ng	# 95
82) Chrysene	21.87	228	1157658	50.30	ng	97
83) Bis(2-ethylhexyl)phthalate	21.67	149	678719	48.40	ng	95
84) Di-n-octyl phthalate	22.92	149	1119379	48.67	ng	100
85) Indeno(1,2,3-cd)pyrene	29.05	276	1356479	53.23	ng	# 100
87) Benzo(b)fluoranthene	24.18	252	1200882	49.16	ng	99
88) Benzo(k)fluoranthene	24.18	252	1200882	49.58	ng	99
89) Benzo(a)pyrene	25.02	252	1220312	52.60	ng	96
90) Dibenzo(a,h)anthracene	29.10	278	1121761	49.17	ng	# 97
91) Benzo(g,h,i)perylene	30.25	276	1094905	49.91	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 892

Delta R.T. -0.02 min

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Acq: 14 Sep 2016 20:20

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HSR-WC-69-091216MSD

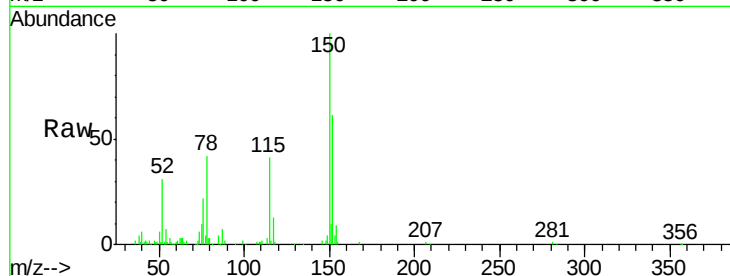
Tgt Ion:152 Resp: 46277

Ion Ratio Lower Upper

152 100

150 164.3 144.7 217.1

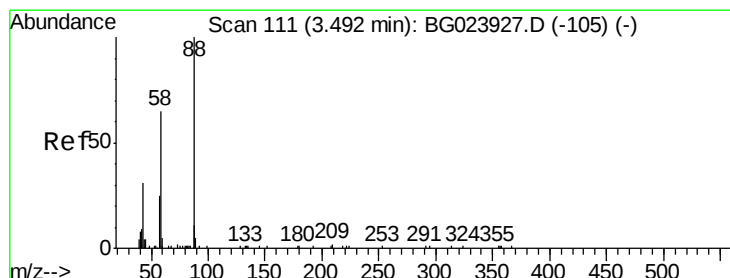
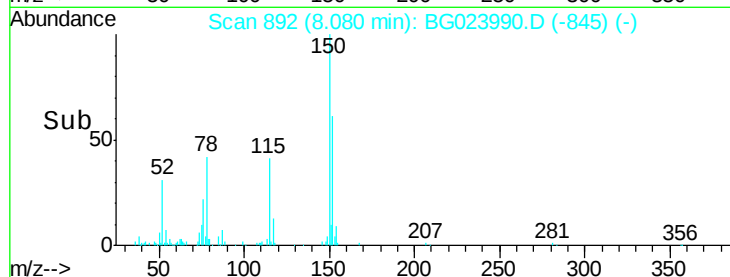
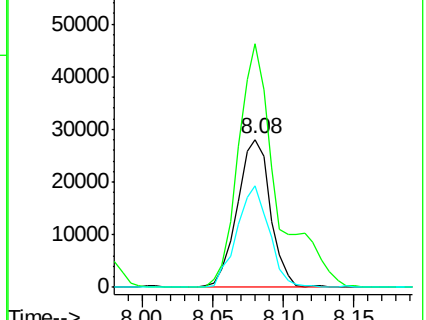
115 68.2 64.0 96.0



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: 40.47 ng

RT: 3.49 min Scan# 111

Delta R.T. -0.00 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

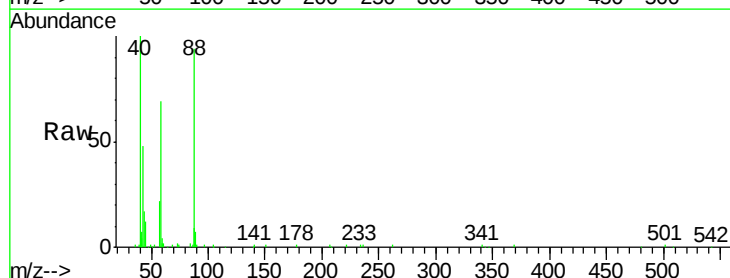
Tgt Ion: 88 Resp: 43995

Ion Ratio Lower Upper

88 100

58 78.2 60.4 90.6

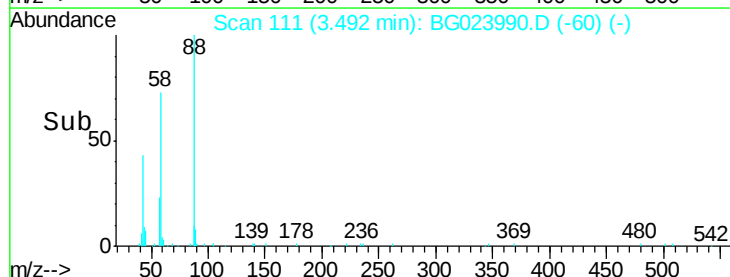
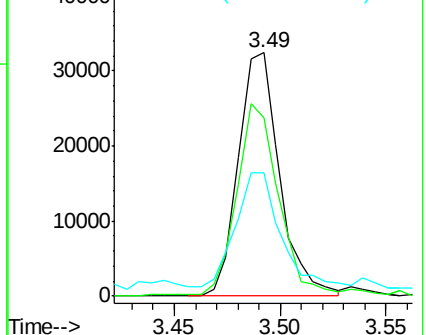
43 50.8 31.1 46.7#

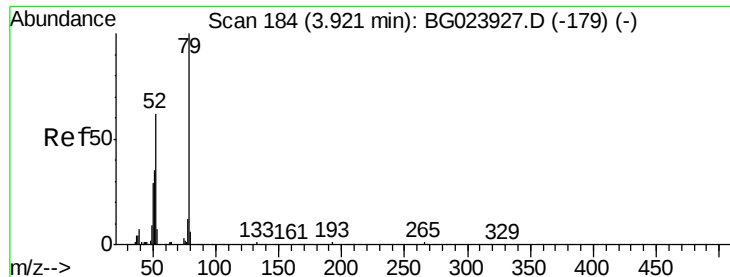


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.23 ng

RT: 3.91 min Scan# 182

Delta R.T. -0.00 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

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ClientSampleId :

HSR-WC-69-091216MSD

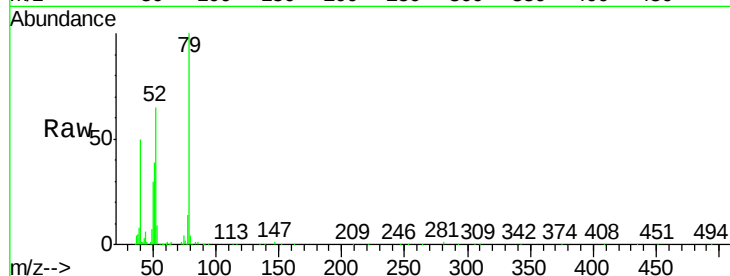
Tgt Ion: 79 Resp: 111847

Ion Ratio Lower Upper

79 100

52 65.0 51.8 77.8

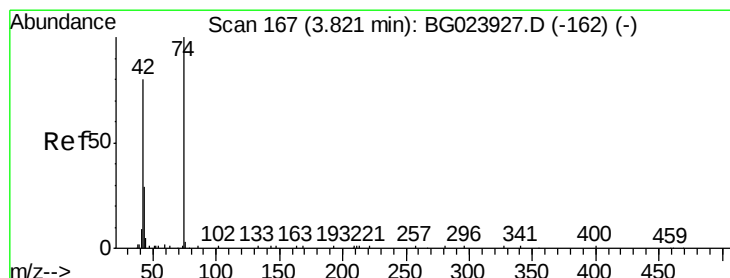
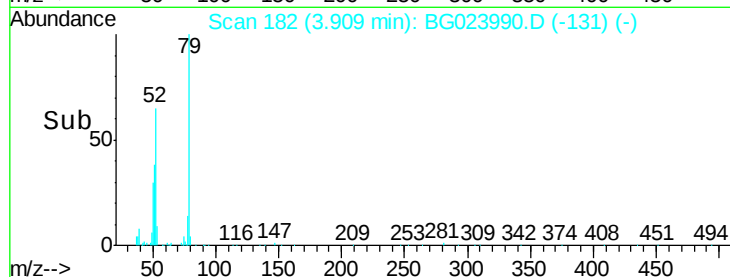
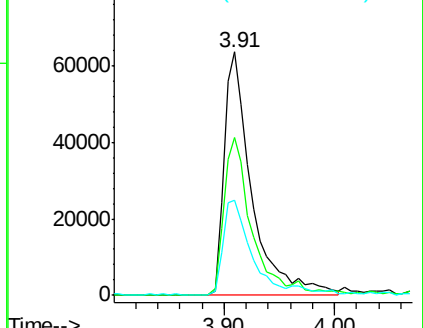
51 38.9 32.7 49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 50.73 ng

RT: 3.81 min Scan# 165

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

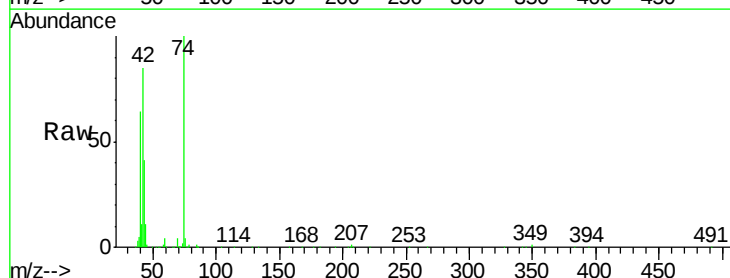
Tgt Ion: 42 Resp: 87361

Ion Ratio Lower Upper

42 100

74 118.2 100.6 150.8

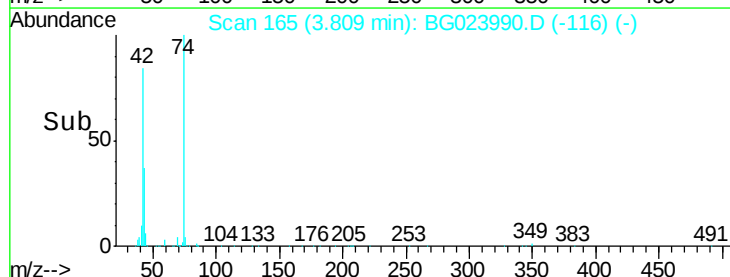
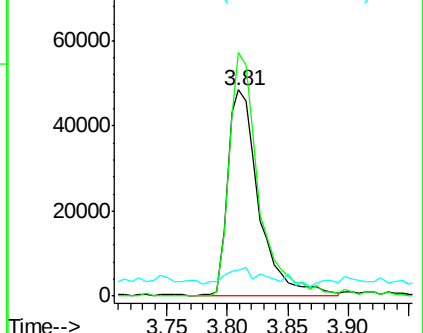
44 12.9 4.5 6.7#

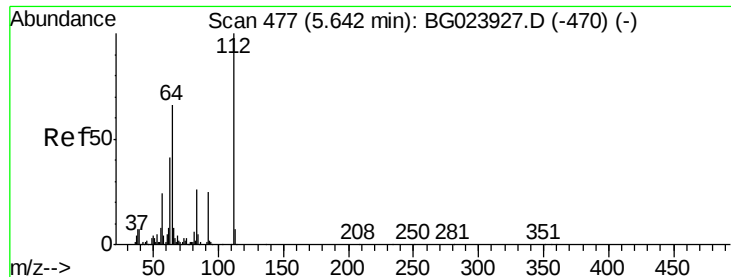


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 146.35 ng

RT: 5.63 min Scan# 475

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

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ClientSampleId :

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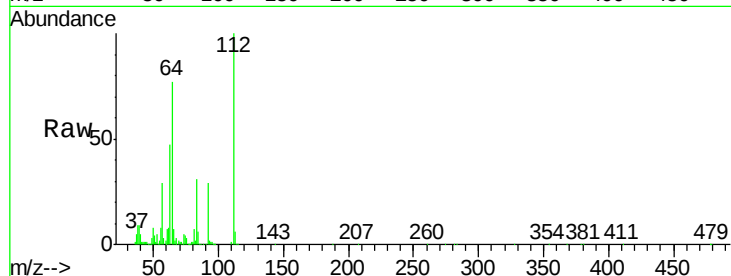
Tgt Ion: 112 Resp: 385769

Ion Ratio Lower Upper

112 100

64 76.9 59.0 88.4

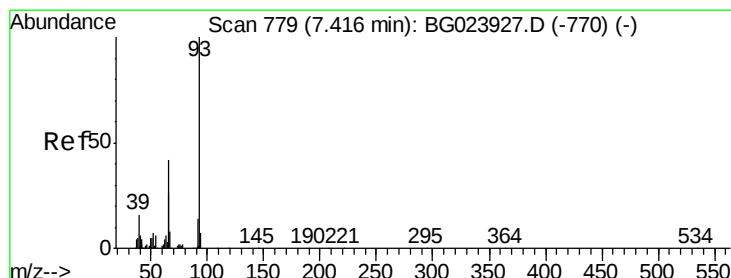
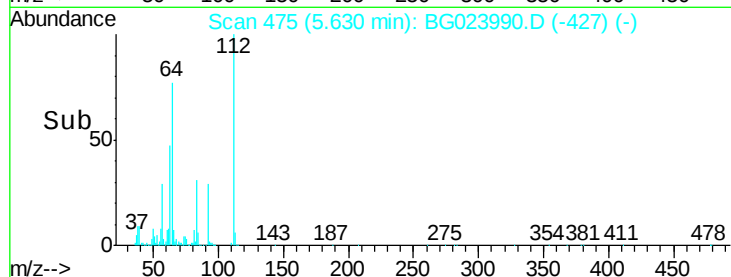
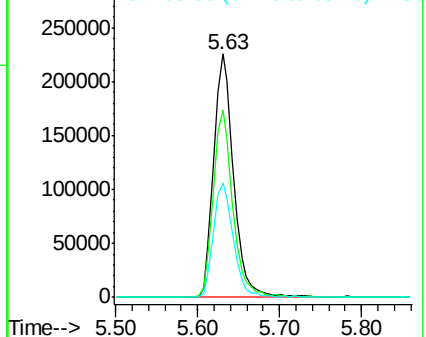
63 46.9 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 15.85 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

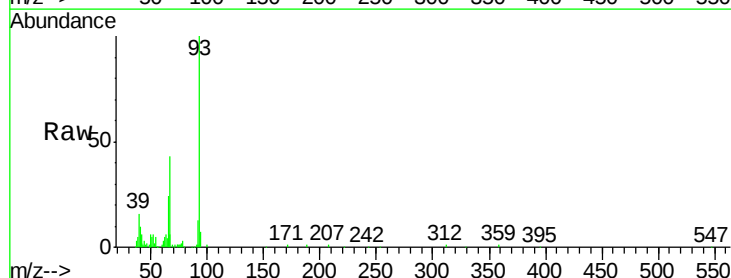
Tgt Ion: 93 Resp: 85373

Ion Ratio Lower Upper

93 100

66 43.0 37.5 56.3

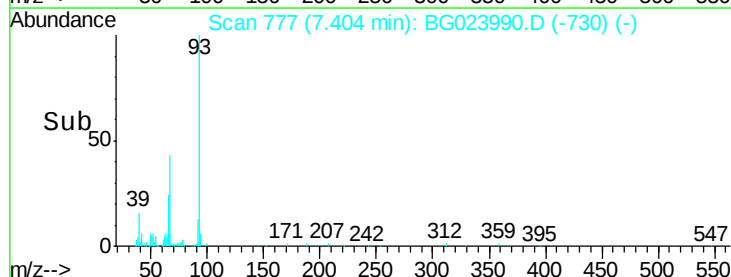
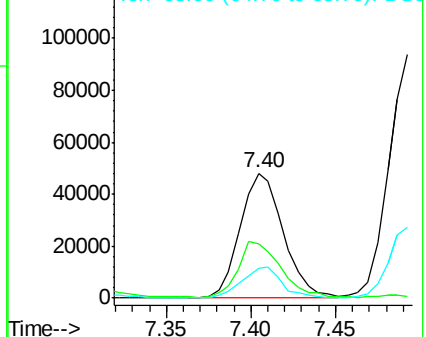
65 23.8 17.9 26.9

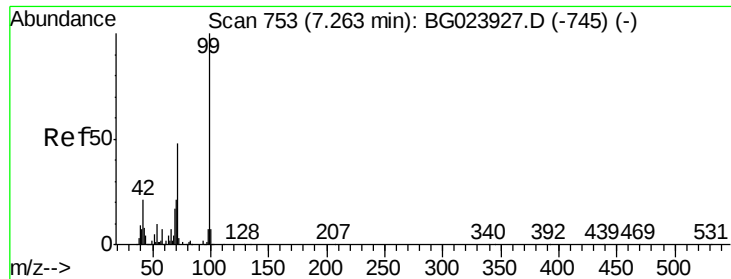


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.46 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.03 min

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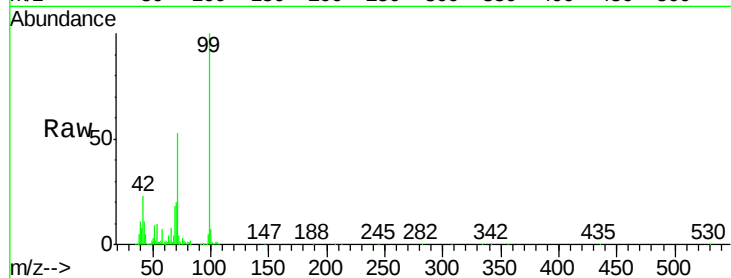
Tgt Ion: 99 Resp: 557752

Ion Ratio Lower Upper

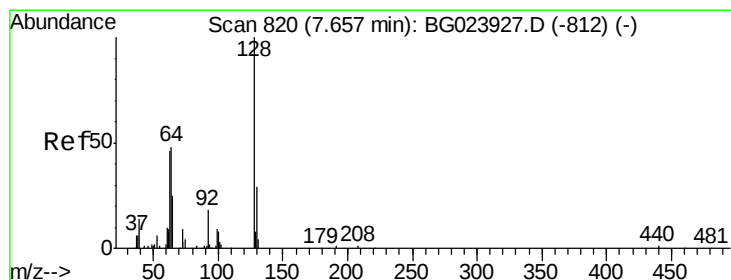
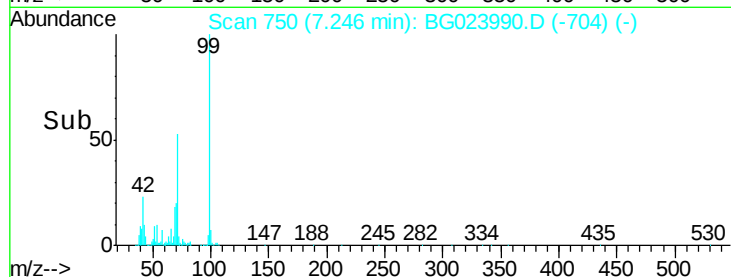
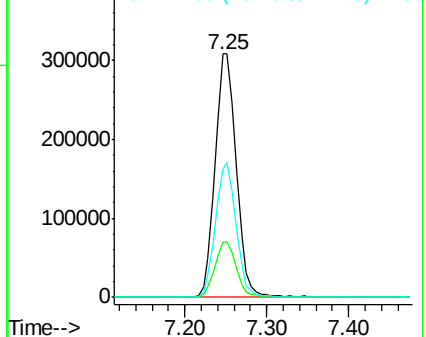
99 100

42 23.0 17.8 26.6

71 52.8 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 45.26 ng

RT: 7.65 min Scan# 818

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

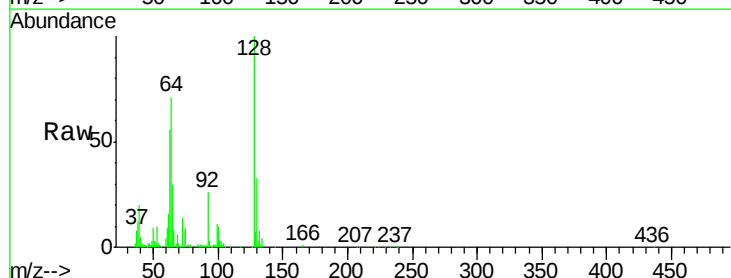
Tgt Ion: 128 Resp: 138204

Ion Ratio Lower Upper

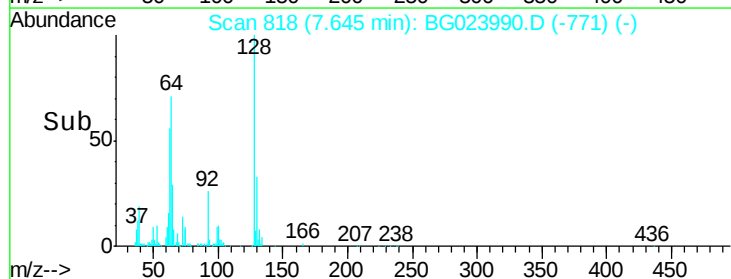
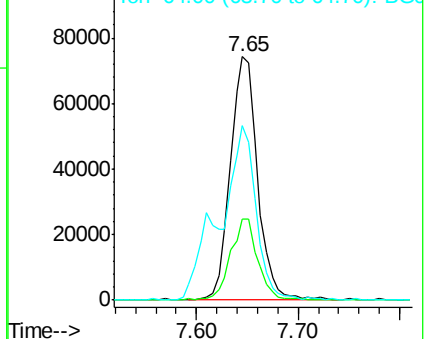
128 100

130 33.3 12.9 52.9

64 71.5 42.0 82.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 7.77 ng

RT: 7.22 min Scan# 745

Delta R.T. -0.02 min

Lab File: BG023990.D

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HSR-WC-69-091216MSD

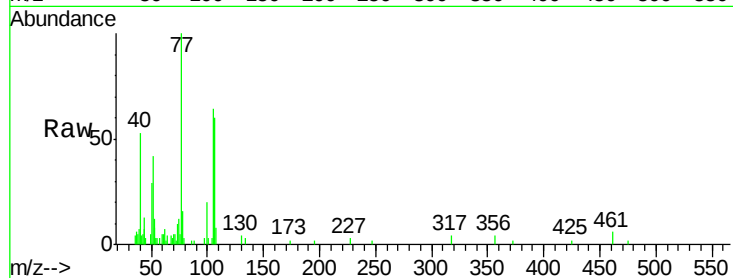
Tgt Ion: 77 Resp: 22401

Ion Ratio Lower Upper

77 100

105 63.6 58.7 98.7

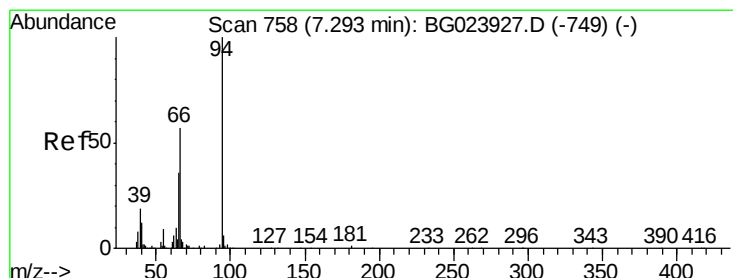
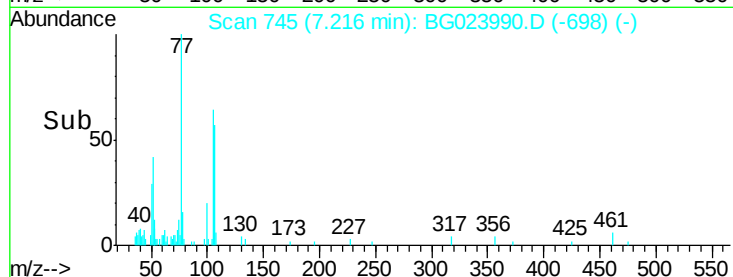
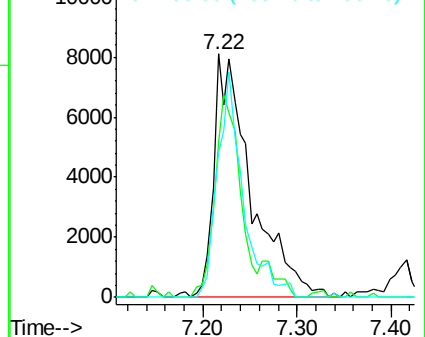
106 59.8 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 44.82 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

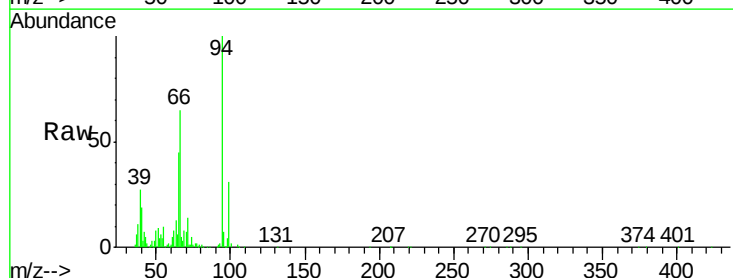
Tgt Ion: 94 Resp: 191308

Ion Ratio Lower Upper

94 100

65 44.7 18.1 58.1

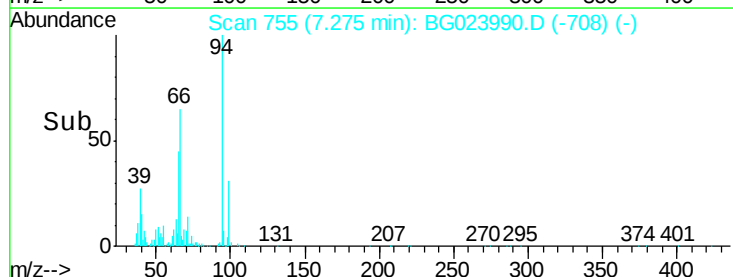
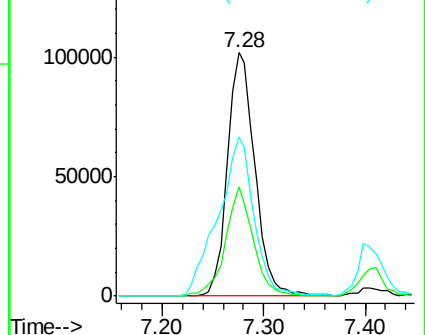
66 65.4 42.1 82.1

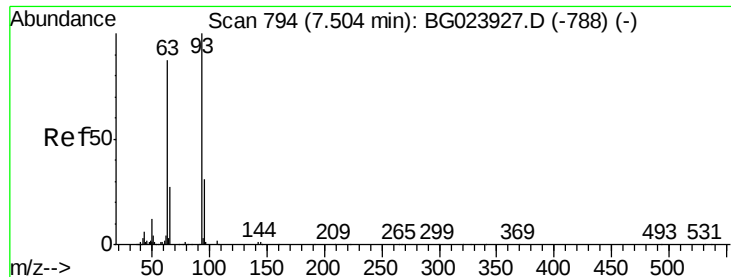


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

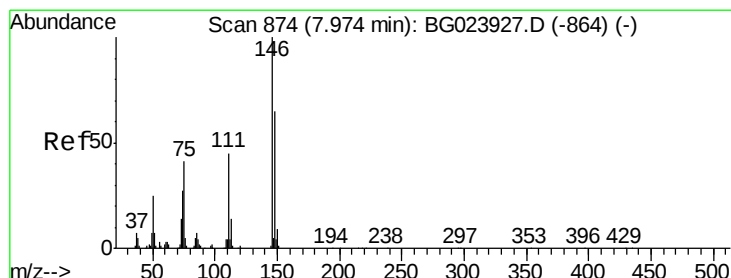
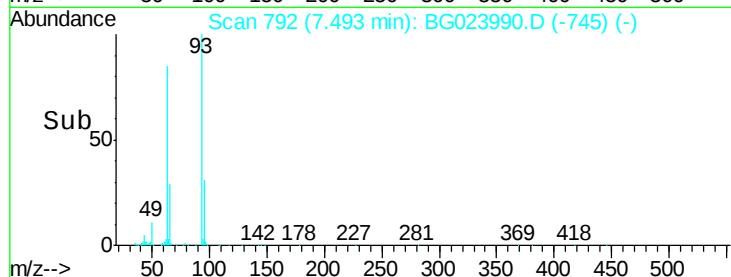
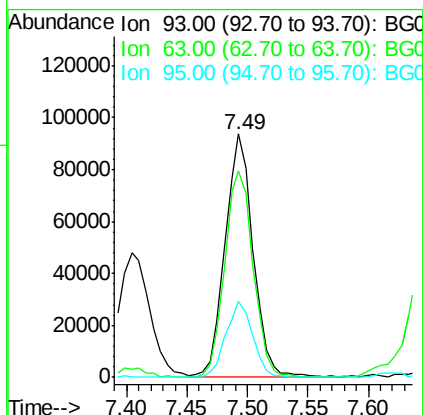
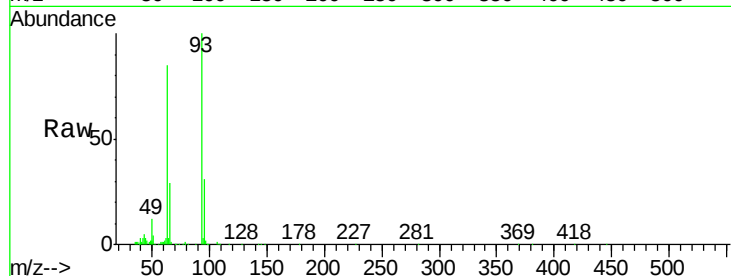




#11
 bis(2-Chloroethyl)ether
 Concen: 44.72 ng
 RT: 7.49 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

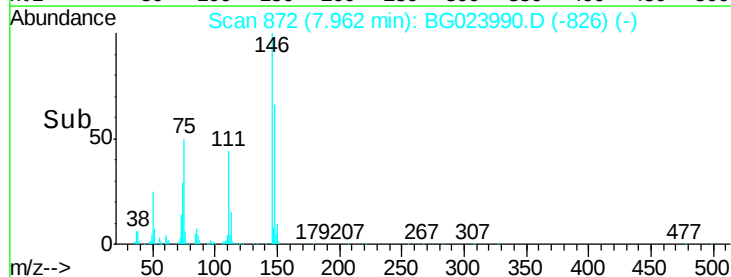
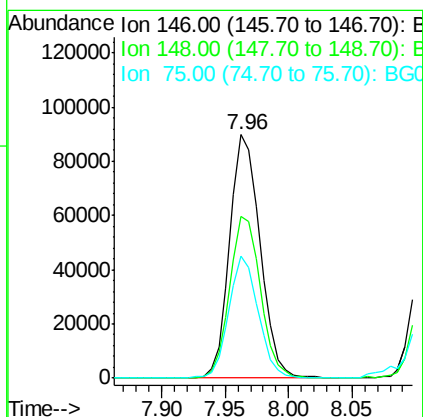
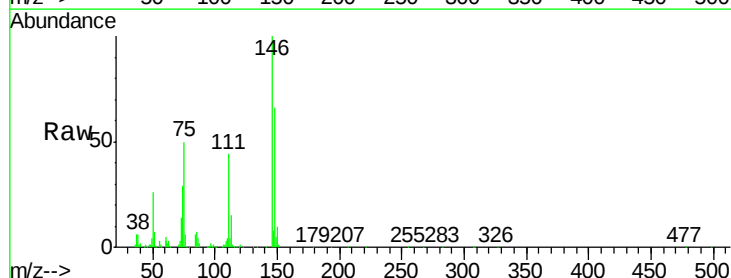
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

Tgt Ion:	93	Resp:	150189
Ion	Ratio	Lower	Upper
93	100		
63	85.1	55.0	95.0
95	31.4	11.0	51.0



#12
 1,3-Dichlorobenzene
 Concen: 41.75 ng
 RT: 7.96 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion:	146	Resp:	149220
Ion	Ratio	Lower	Upper
146	100		
148	66.4	50.3	75.5
75	50.0	37.0	55.6





#13

1,4-Dichlorobenzene

Concen: 41.52 ng

RT: 8.12 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

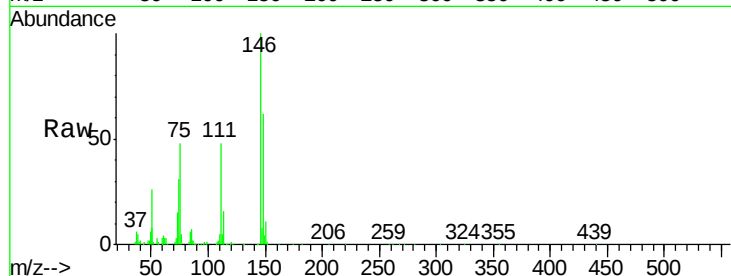
Tgt Ion:146 Resp: 157221

Ion Ratio Lower Upper

146 100

148 62.1 54.5 81.7

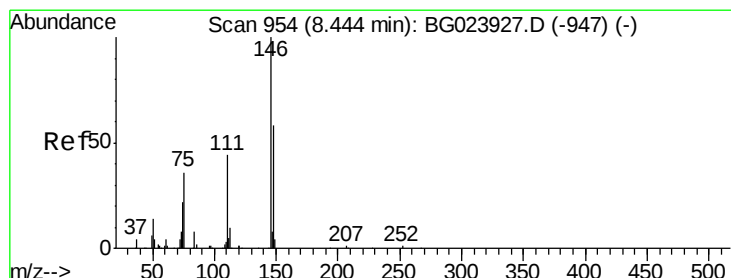
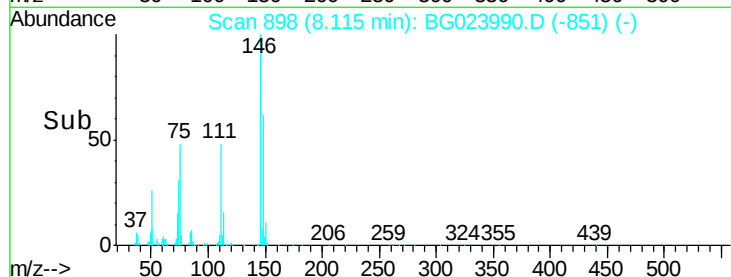
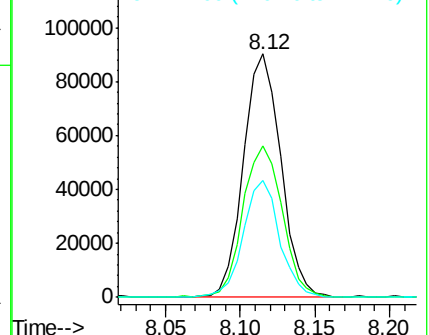
111 48.2 37.8 56.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.57 ng

RT: 8.44 min Scan# 953

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

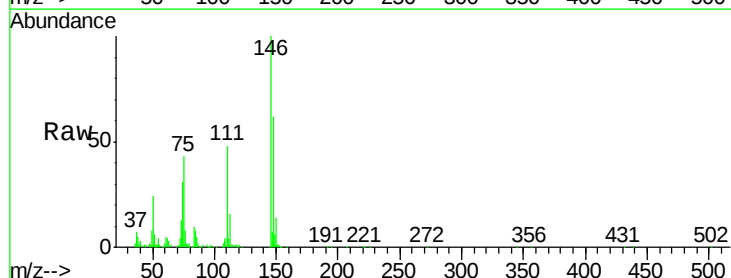
Tgt Ion:146 Resp: 147731

Ion Ratio Lower Upper

146 100

148 62.0 52.9 79.3

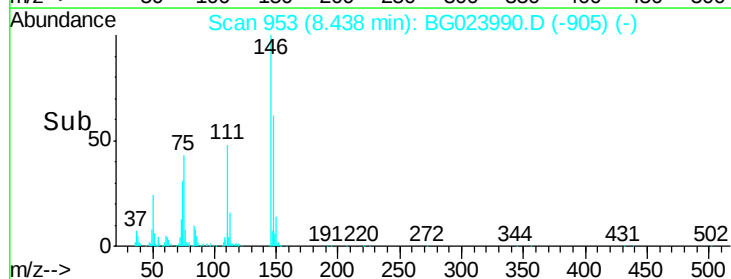
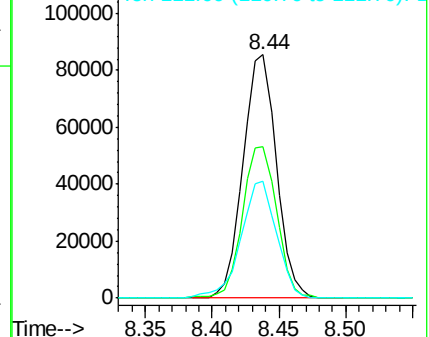
111 47.9 43.5 65.3

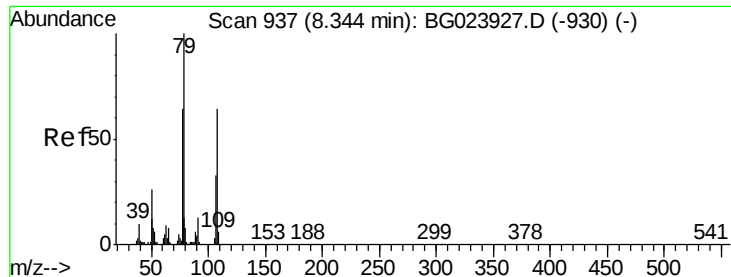


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 53.73 ng

RT: 8.33 min Scan# 935

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

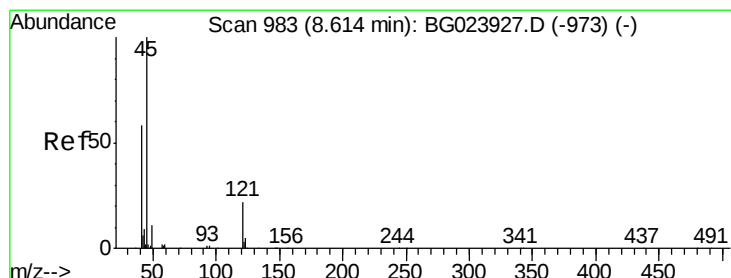
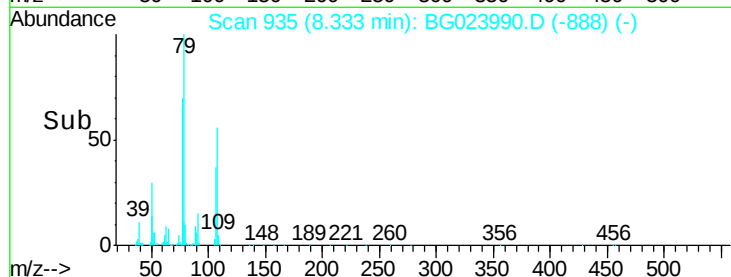
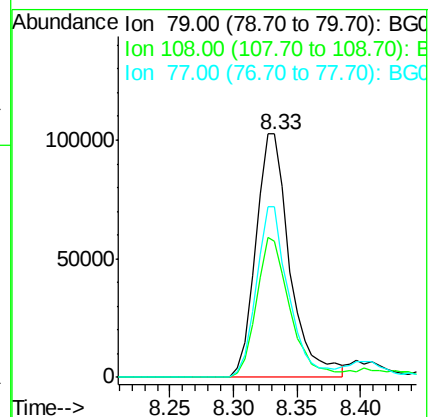
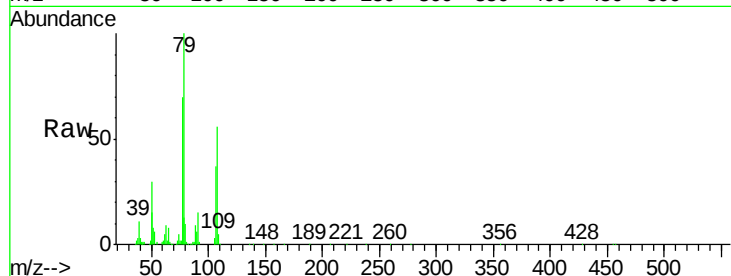
Tgt Ion: 79 Resp: 192215

Ion Ratio Lower Upper

79 100

108 56.0 46.5 69.7

77 69.9 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.55 ng

RT: 8.61 min Scan# 983

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

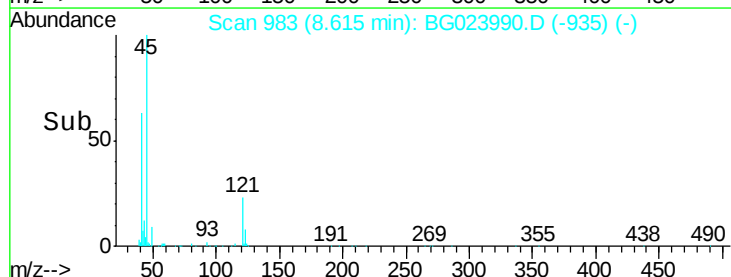
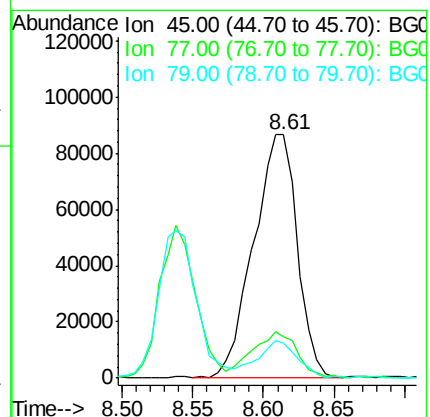
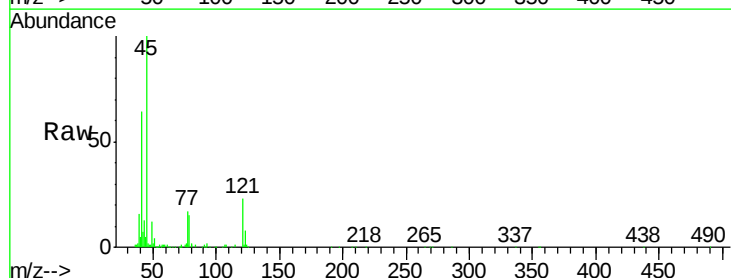
Tgt Ion: 45 Resp: 187029

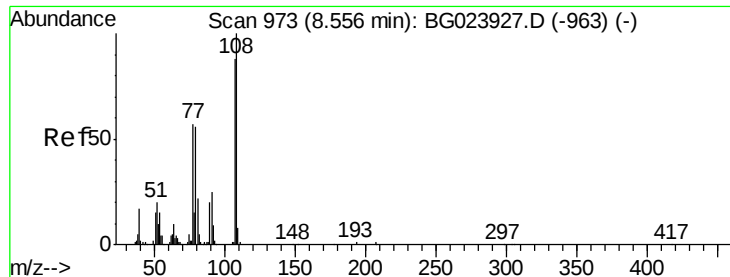
Ion Ratio Lower Upper

45 100

77 16.9 0.6 40.6

79 14.5 0.0 36.2

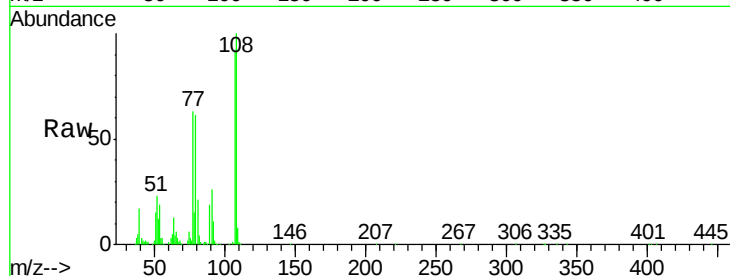




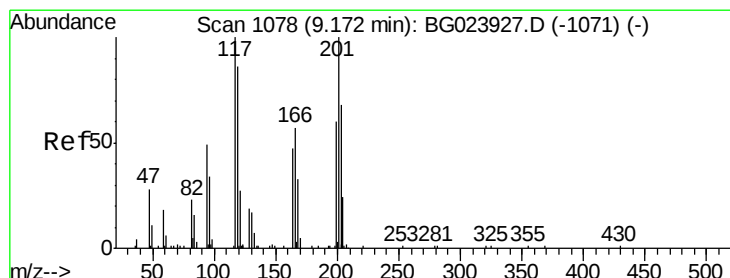
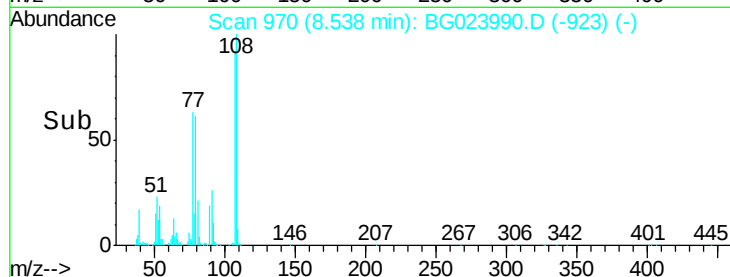
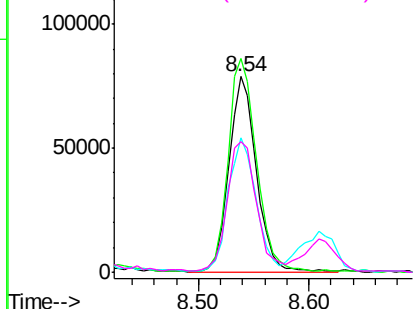
#17
2-Methylphenol
Concen: 48.22 ng
RT: 8.54 min Scan# 970
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

Tgt Ion:	107	Resp:	138656
Ion	Ratio	Lower	Upper
107	100		
108	109.2	92.0	138.0
77	68.8	55.8	83.6
79	66.7	55.0	82.6

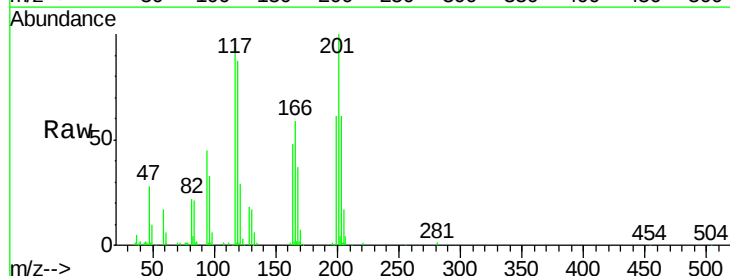


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

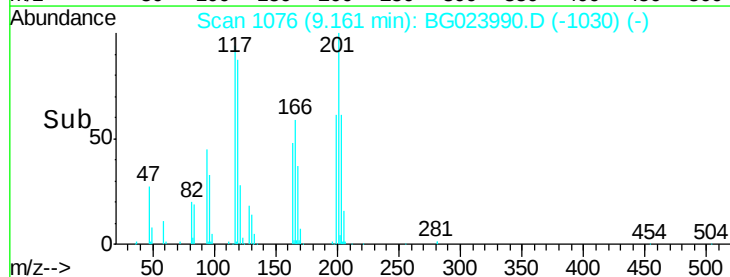
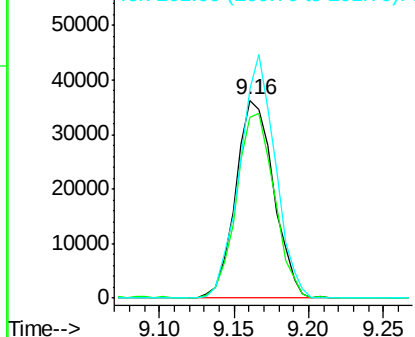


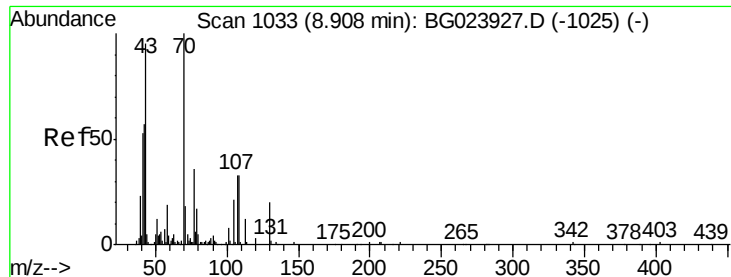
#18
Hexachloroethane
Concen: 44.06 ng
RT: 9.16 min Scan# 1076
Delta R.T. -0.03 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:	117	Resp:	64242
Ion	Ratio	Lower	Upper
117	100		
119	91.3	73.7	110.5
201	105.4	88.7	133.1



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

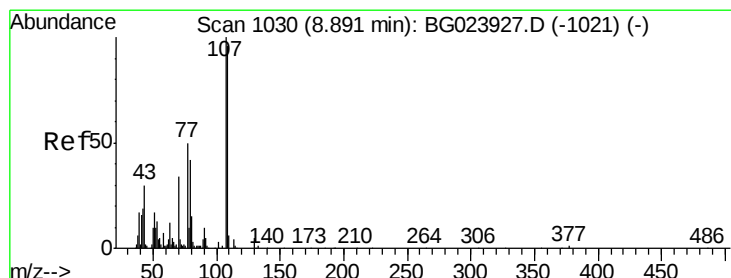
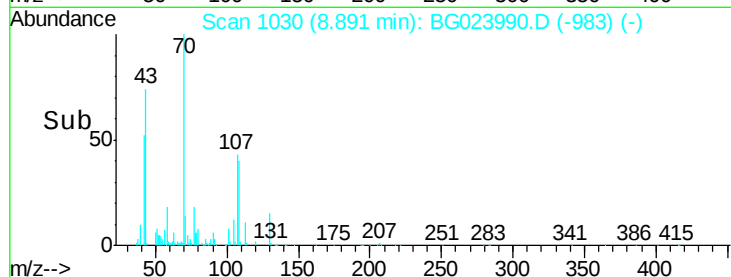
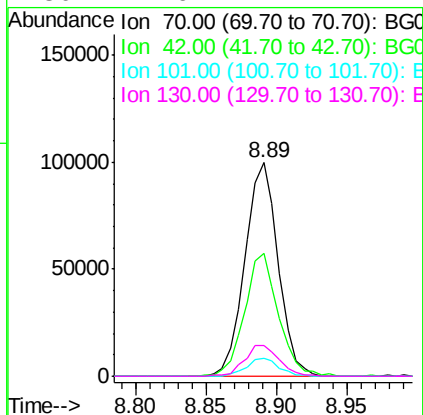
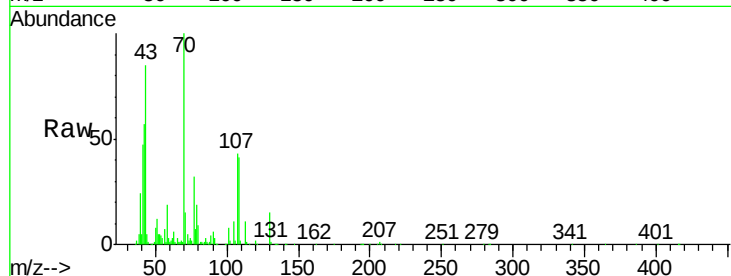




#19
n-Nitroso-di-n-propylamine
Concen: 45.81 ng
RT: 8.89 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

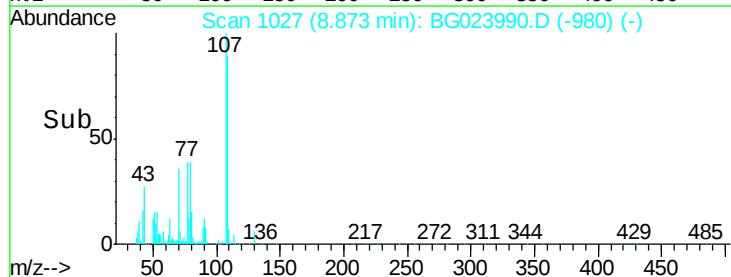
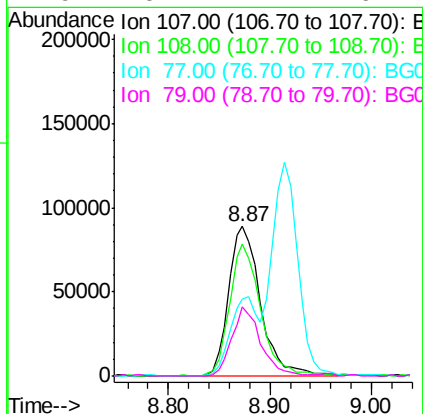
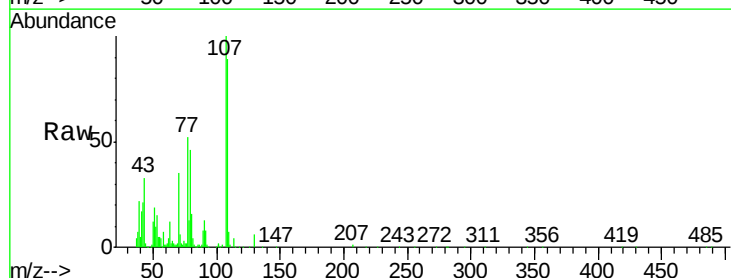
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

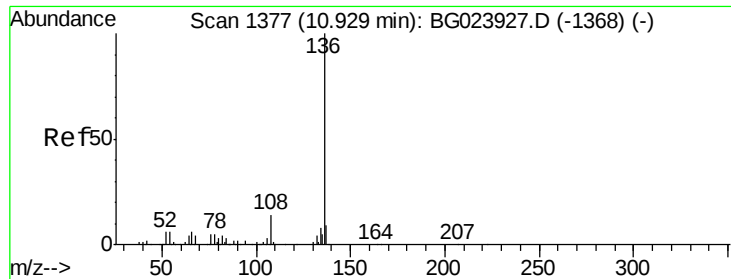
Tgt Ion:	70	Resp:	164206
Ion	Ratio	Lower	Upper
70	100		
42	57.4	42.1	63.1
101	8.2	7.2	10.8
130	14.6	14.2	21.2



#20
3+4-Methylphenols
Concen: 48.38 ng
RT: 8.87 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:	107	Resp:	193879
Ion	Ratio	Lower	Upper
107	100		
108	88.6	72.5	112.5
77	51.9	30.1	70.1
79	46.4	24.2	64.2

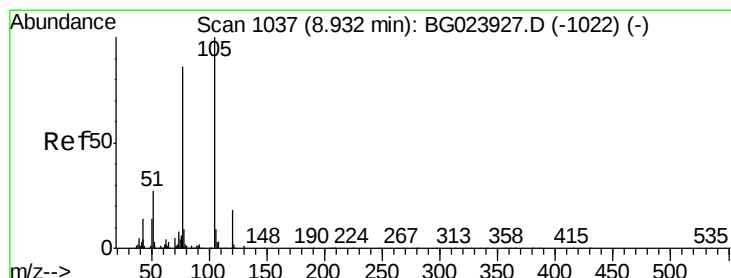
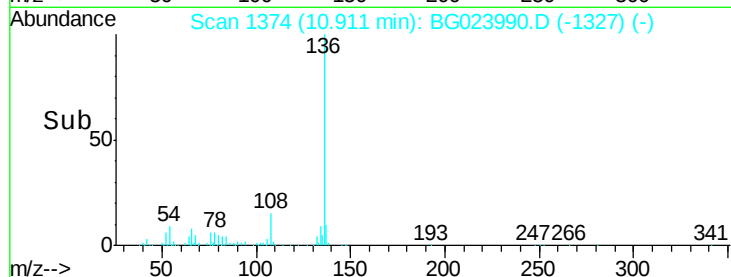
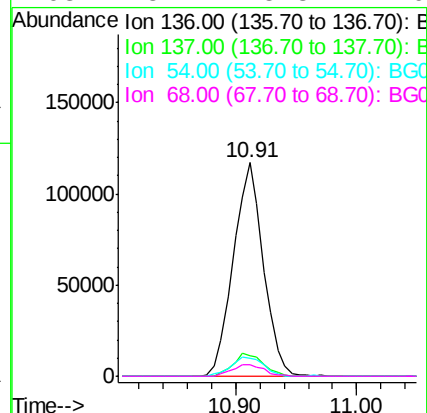
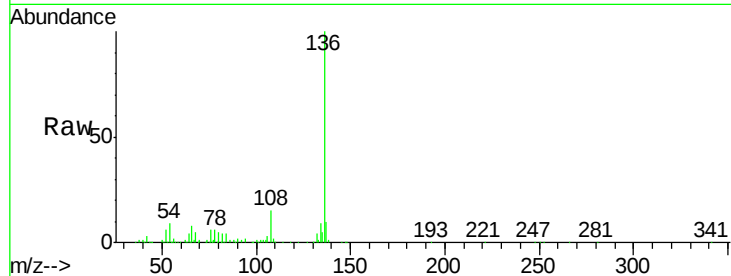




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

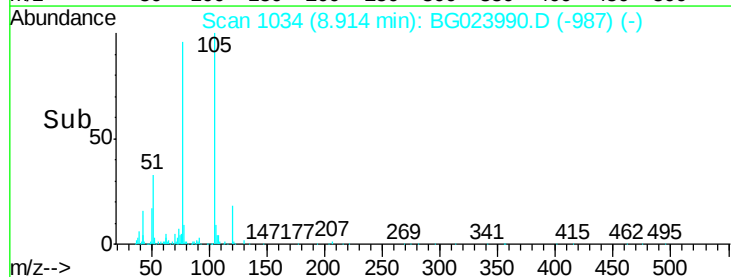
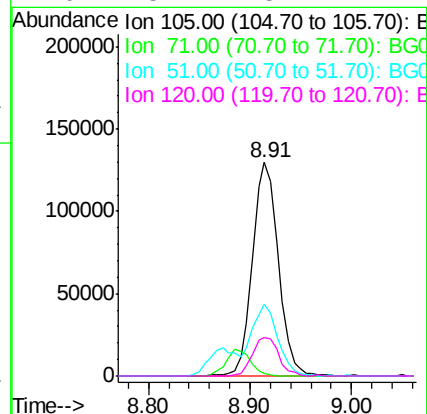
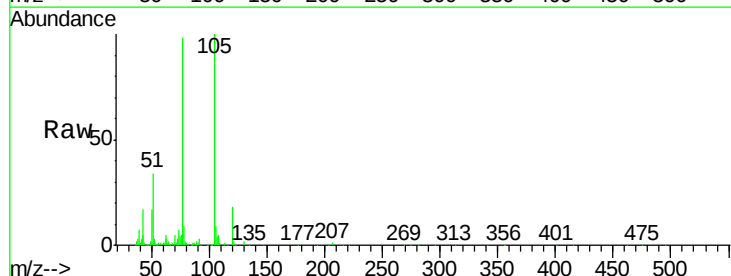
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

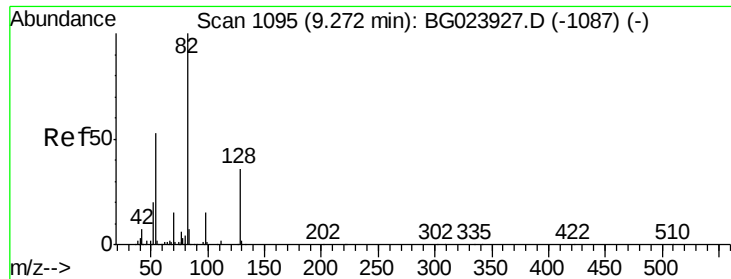
Tgt Ion:	136	Resp:	202049
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.6	14.4
54	8.7	7.3	10.9
68	5.2	5.3	7.9#



#22
Acetophenone
Concen: 43.96 ng
RT: 8.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:	105	Resp:	229940
Ion	Ratio	Lower	Upper
105	100		
71	0.9	2.6	3.8#
51	33.6	27.1	40.7
120	18.1	15.1	22.7

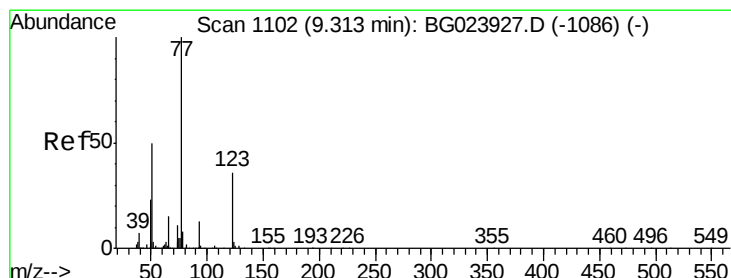
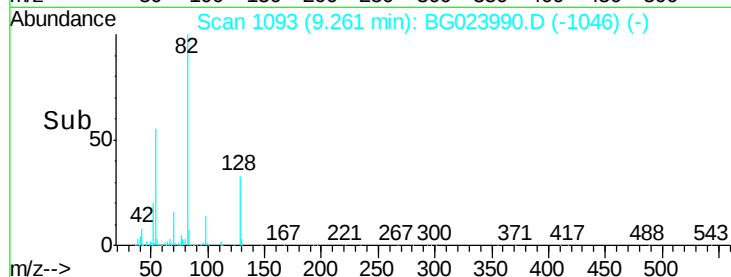
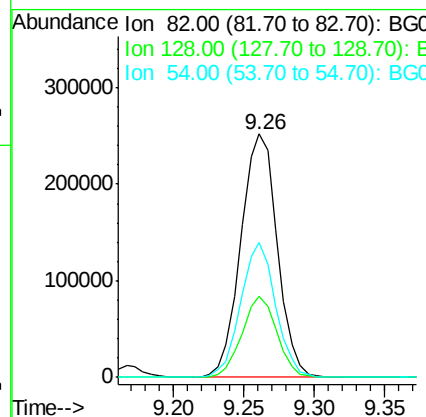
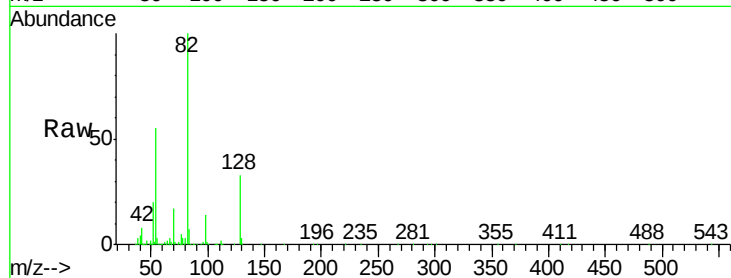




#23
 Nitrobenzene-d5
 Concen: 100.54 ng
 RT: 9.26 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

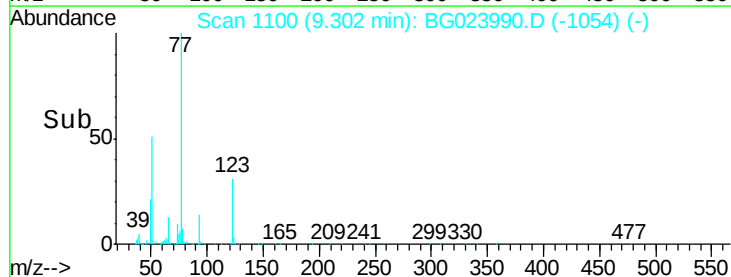
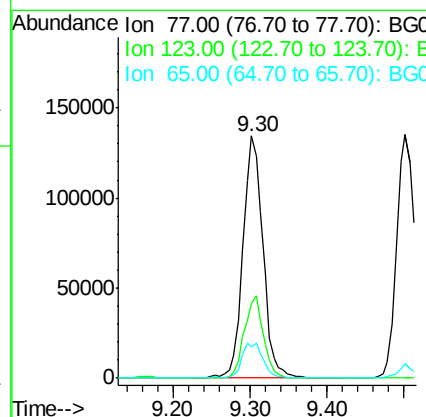
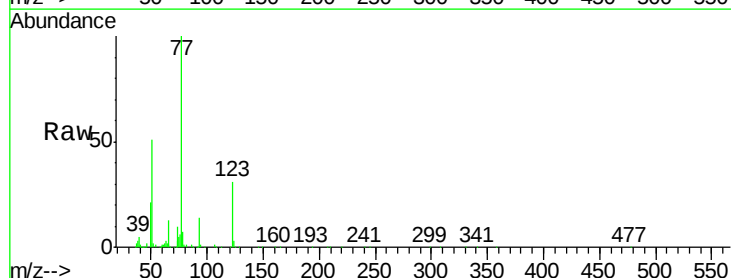
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

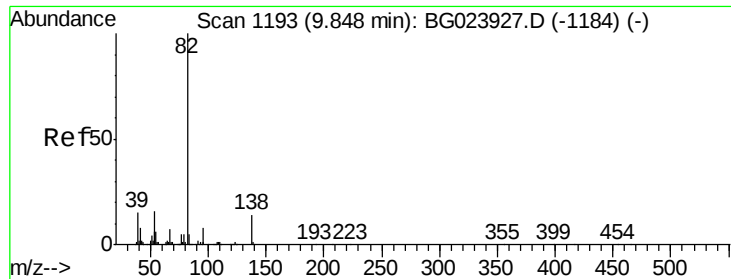
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	24.4	36.6
54	55.3	41.4	62.0



#24
 Nitrobenzene
 Concen: 50.40 ng
 RT: 9.30 min Scan# 1100
 Delta R.T. -0.03 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	30.8	25.0	37.6
65	13.1	13.4	20.0#





#25

Isophorone

Concen: 48.91 ng

RT: 9.82 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

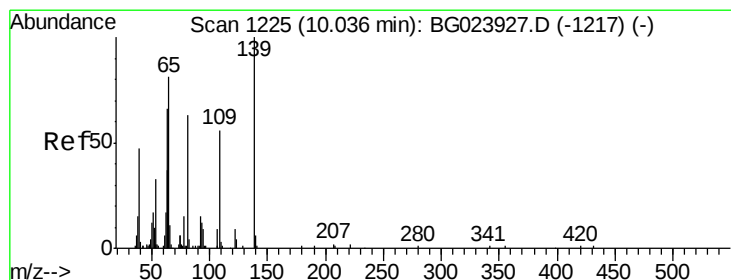
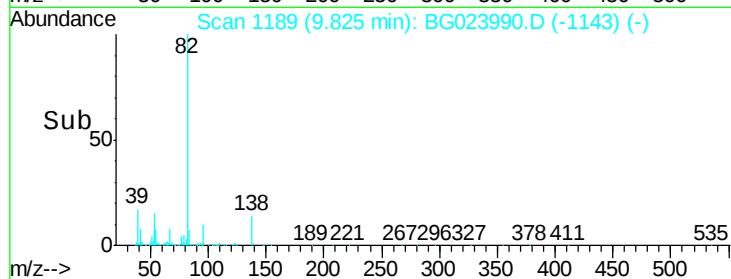
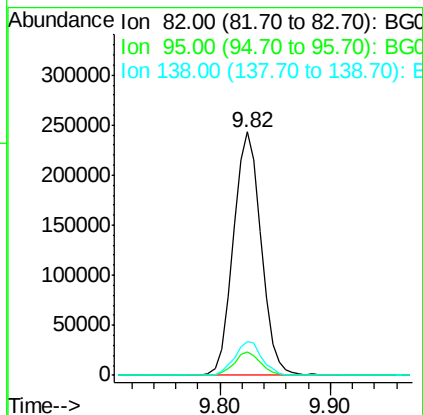
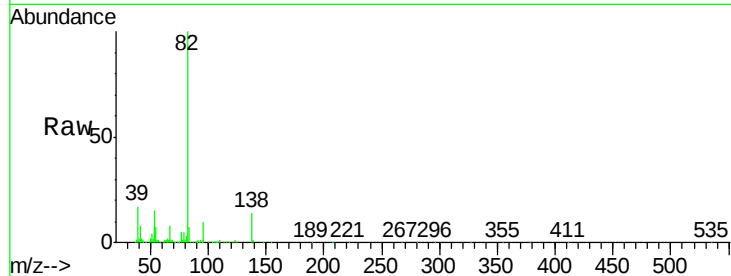
Tgt Ion: 82 Resp: 429245

Ion Ratio Lower Upper

82 100

95 9.8 8.2 12.2

138 13.7 10.7 16.1



#26

2-Nitrophenol

Concen: 46.97 ng

RT: 10.02 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

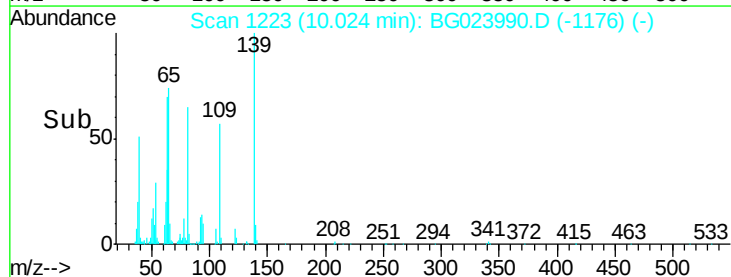
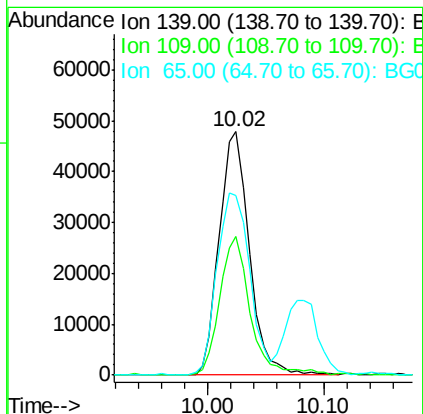
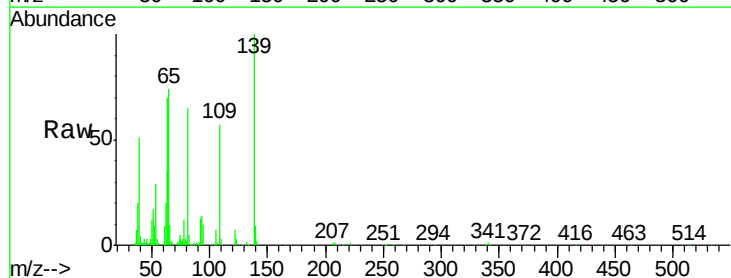
Tgt Ion: 139 Resp: 86901

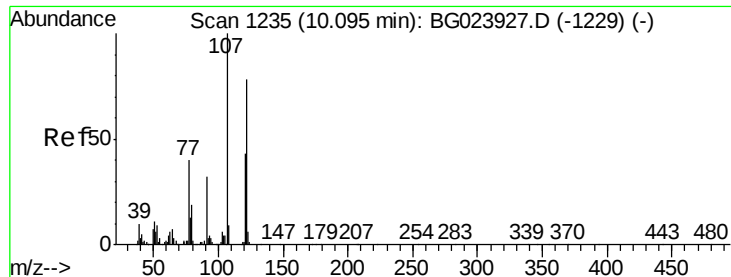
Ion Ratio Lower Upper

139 100

109 56.9 43.5 65.3

65 73.9 64.3 96.5

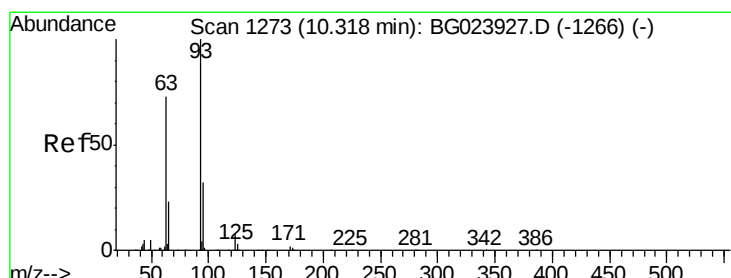
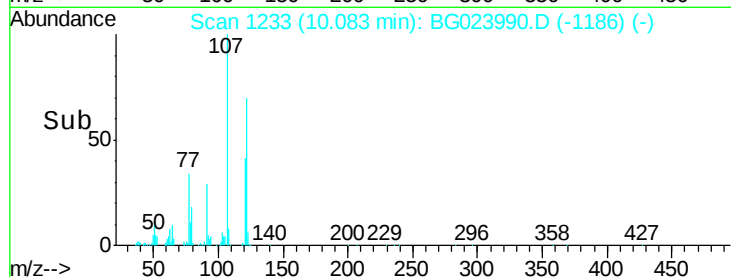
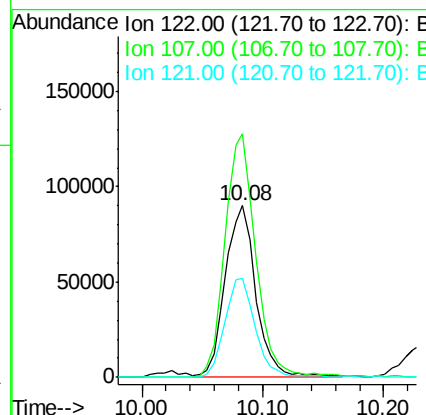
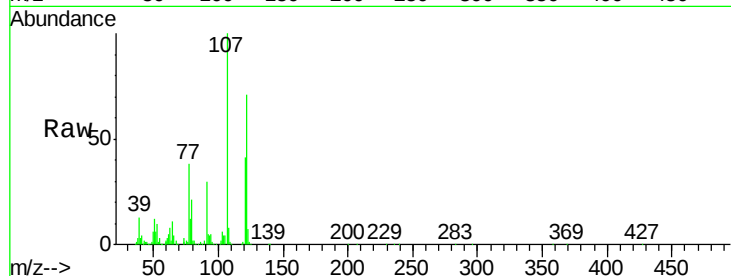




#27
 2,4-Dimethylphenol
 Concen: 49.77 ng
 RT: 10.08 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

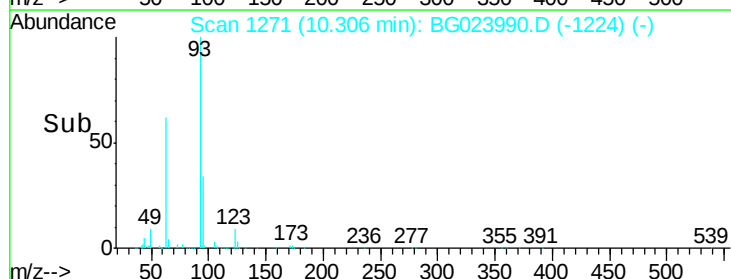
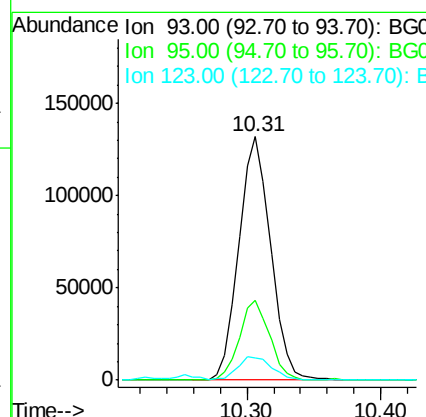
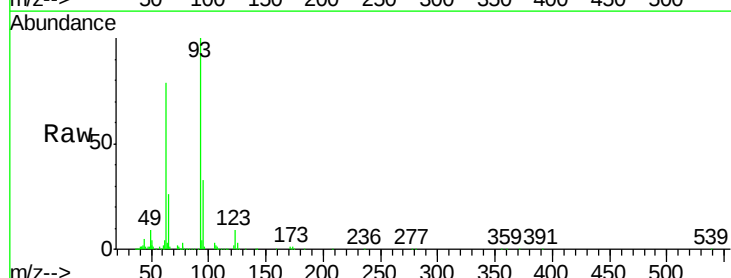
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

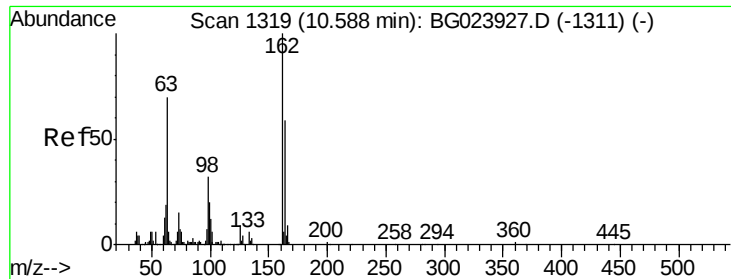
Tgt Ion	Ratio	Lower	Upper
122	100		
107	141.7	117.0	175.4
121	57.8	50.1	75.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.74 ng
 RT: 10.31 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.2
123	9.1	8.2	12.2

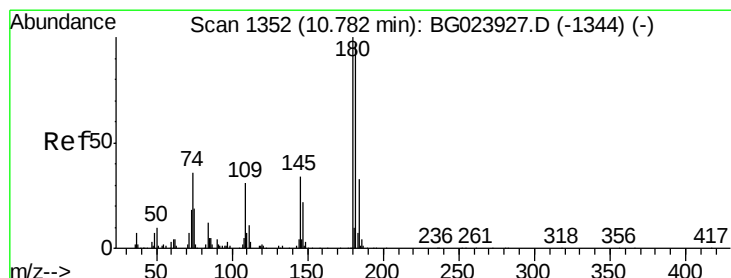
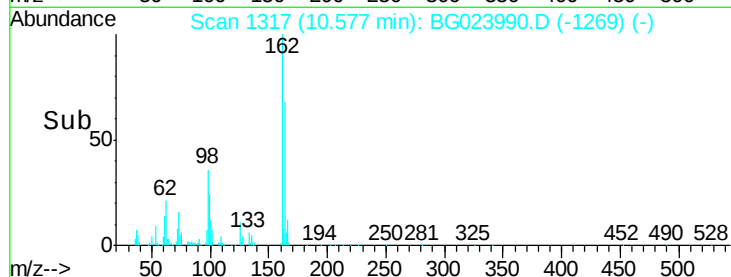
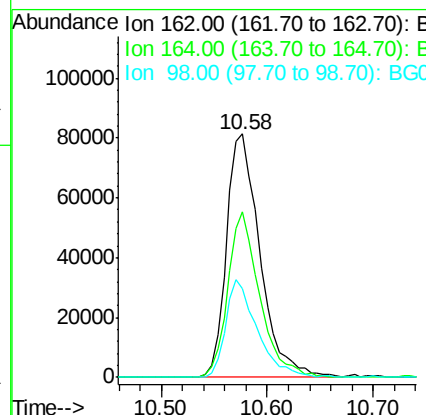
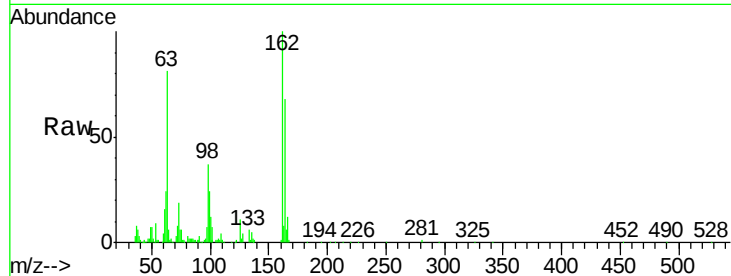




#29
 2,4-Dichlorophenol
 Concen: 53.50 ng
 RT: 10.58 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

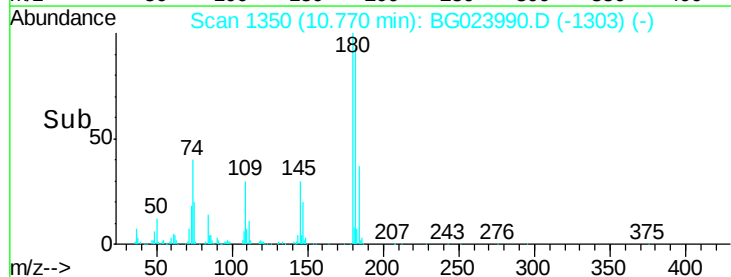
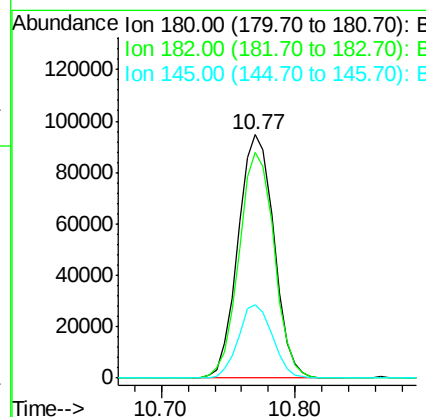
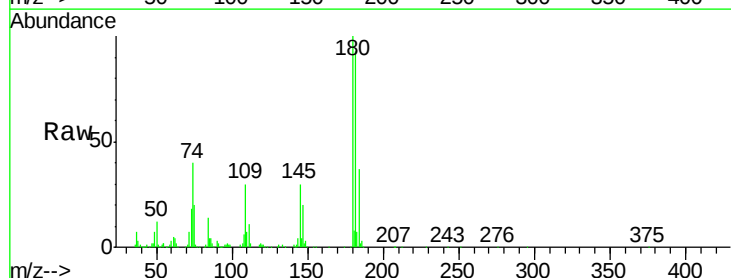
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

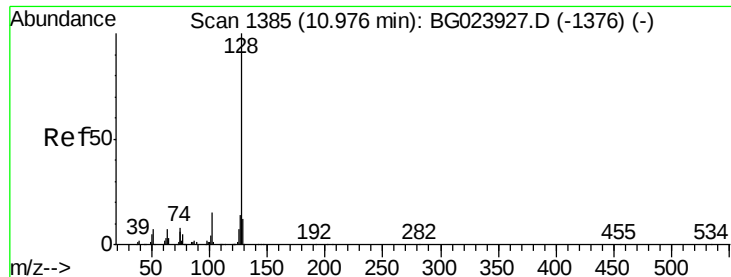
Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.9	44.3	84.3
98	36.5	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 47.99 ng
 RT: 10.77 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	73.8	110.8
145	30.1	24.4	36.6

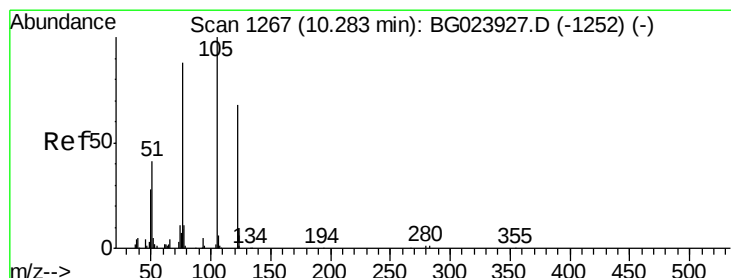
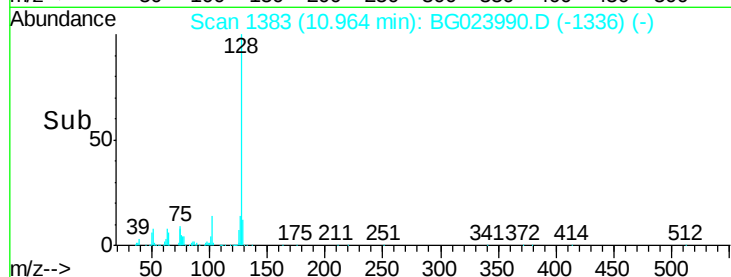
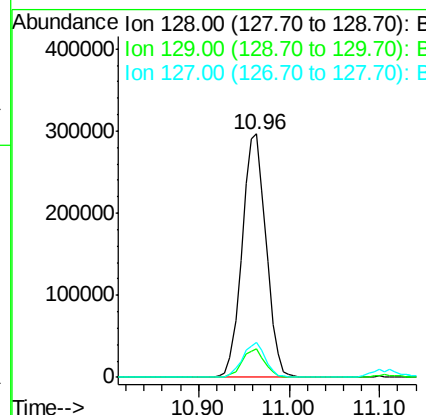
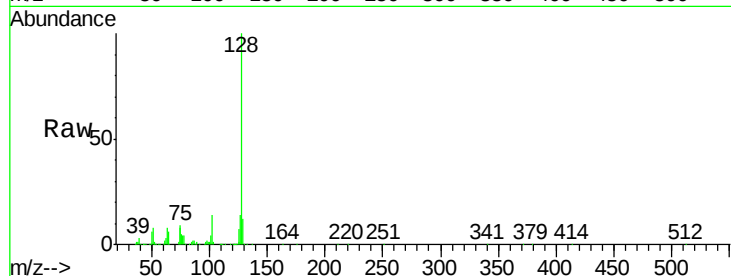




#31
Naphthalene
Concen: 52.26 ng
RT: 10.96 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

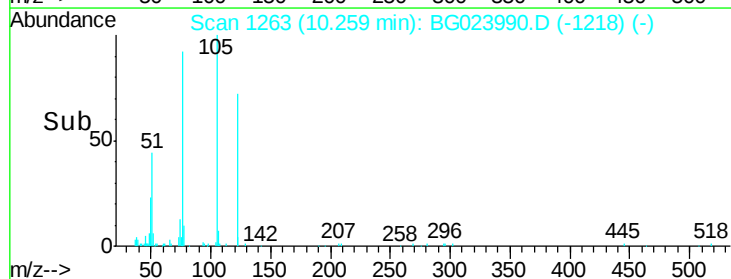
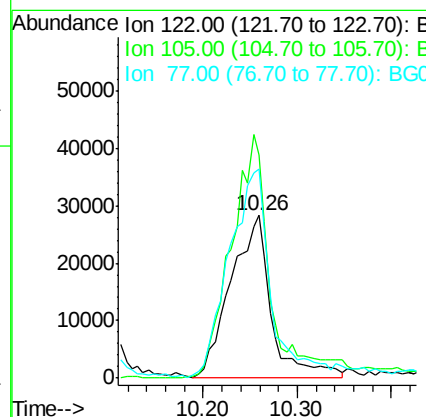
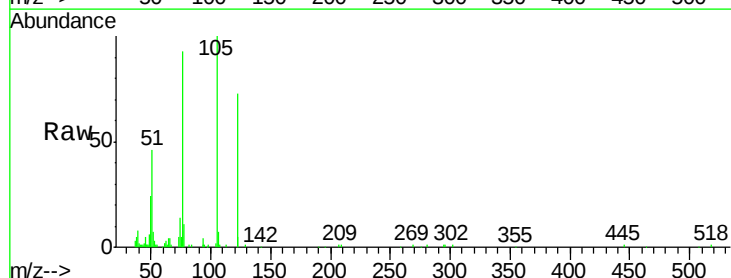
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

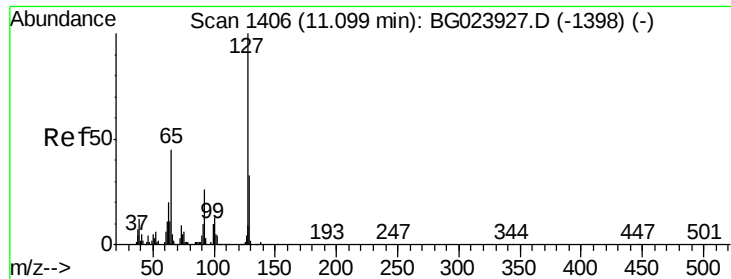
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.0
127	14.2	11.3	16.9



#32
Benzoic acid
Concen: 33.43 ng
RT: 10.26 min Scan# 1263
Delta R.T. -0.04 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	137.2	117.2	157.2
77	128.2	109.2	149.2

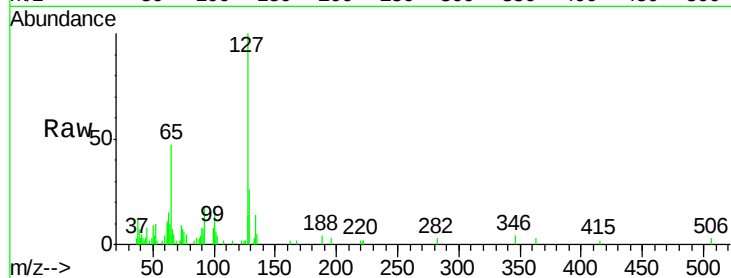




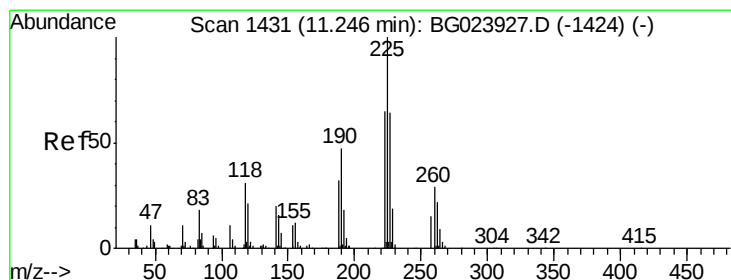
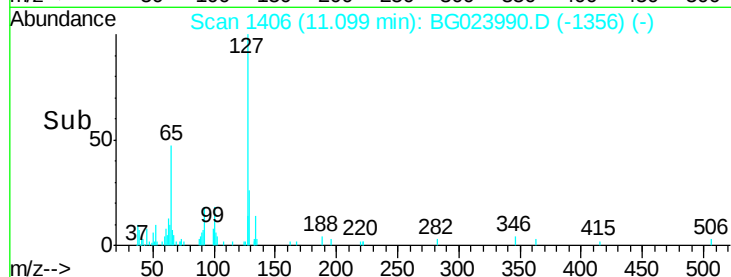
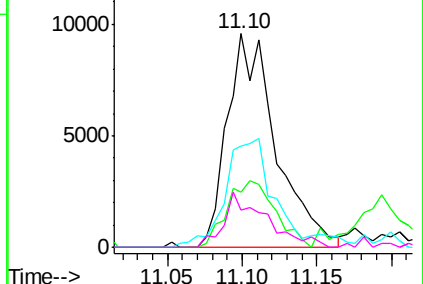
#33
4-Chloroaniline
Concen: 5.01 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

Tgt Ion:	127	Resp:	21762
Ion	Ratio	Lower	Upper
127	100		
129	25.5	27.9	41.9#
65	47.2	36.8	55.2
92	17.5	21.0	31.6#

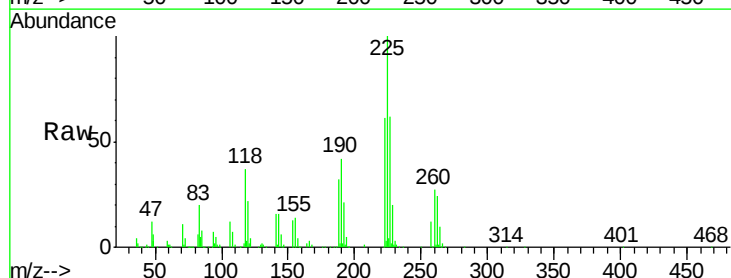


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

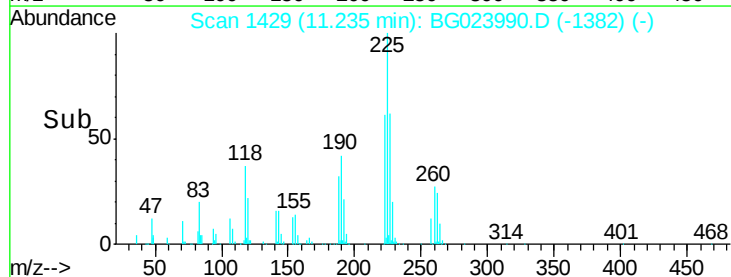
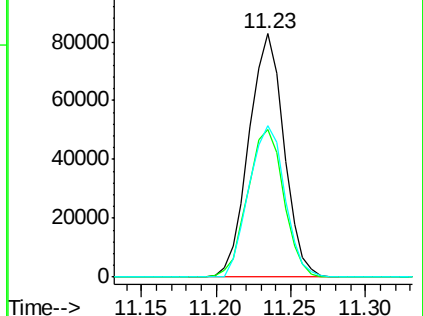


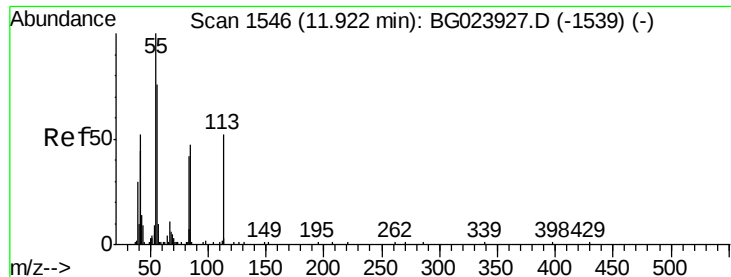
#34
Hexachlorobutadiene
Concen: 49.06 ng
RT: 11.23 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:	225	Resp:	134624
Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.6	74.4
227	62.2	54.5	81.7



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: 32.82 ng

RT: 11.88 min Scan# 1539

Delta R.T. -0.04 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

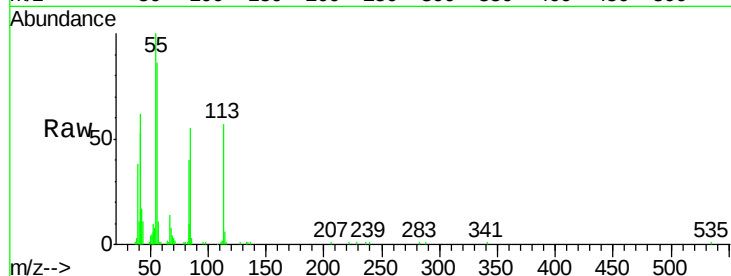
Tgt Ion:113 Resp: 38535

Ion Ratio Lower Upper

113 100

55 175.9 154.5 194.5

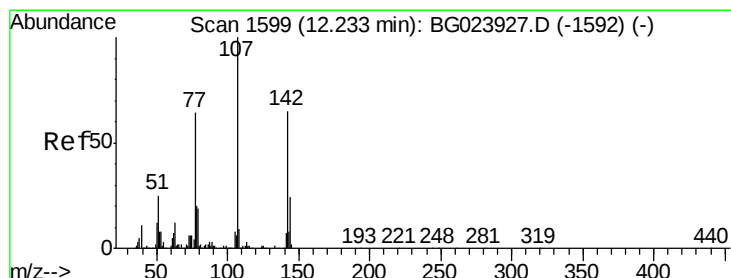
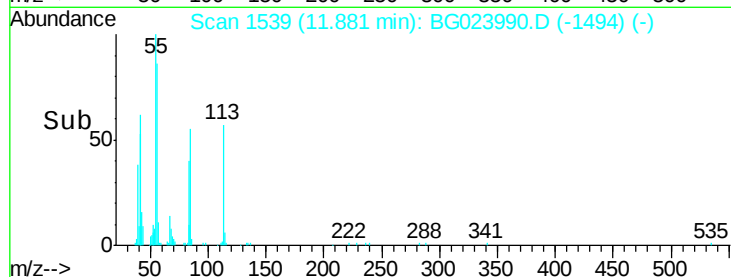
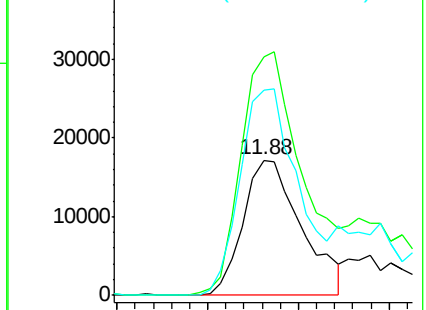
56 151.7 125.1 165.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 51.50 ng

RT: 12.22 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

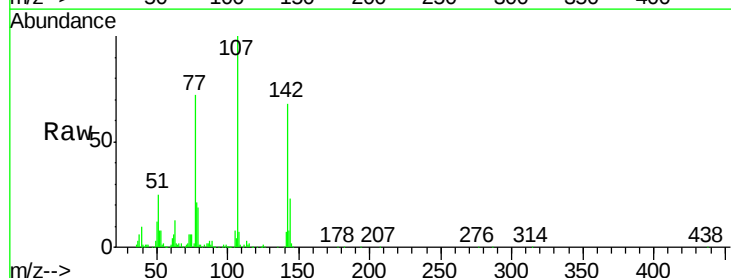
Tgt Ion:107 Resp: 229256

Ion Ratio Lower Upper

107 100

144 22.9 17.0 25.6

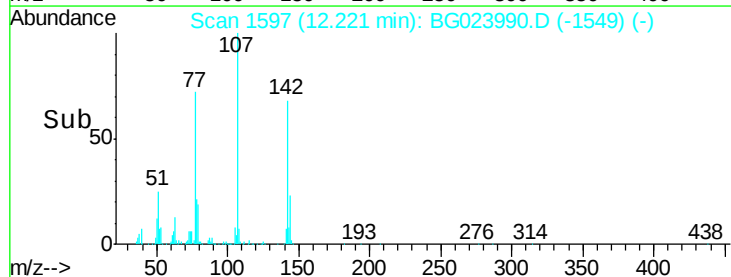
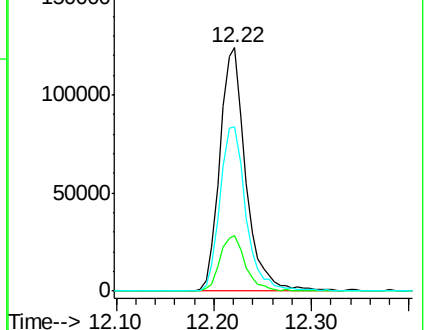
142 67.5 53.0 79.6

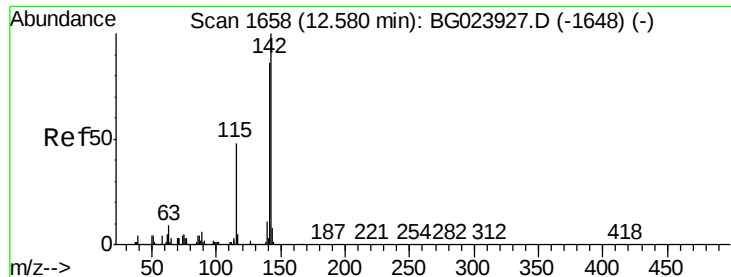


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

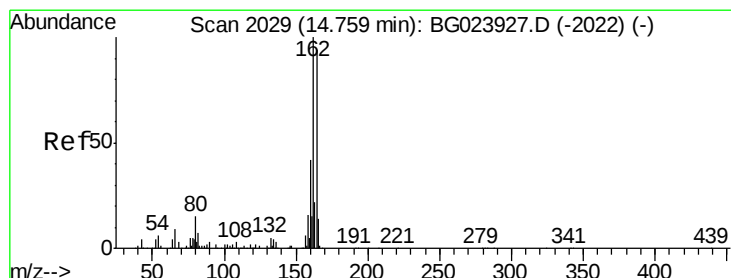
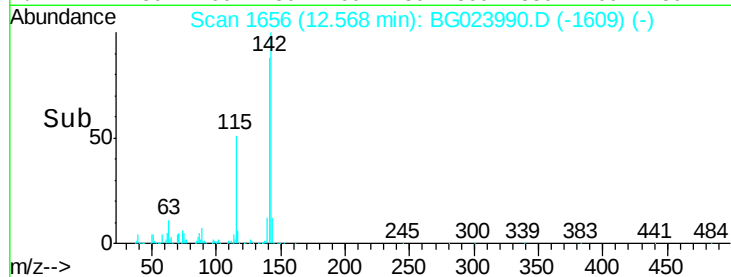
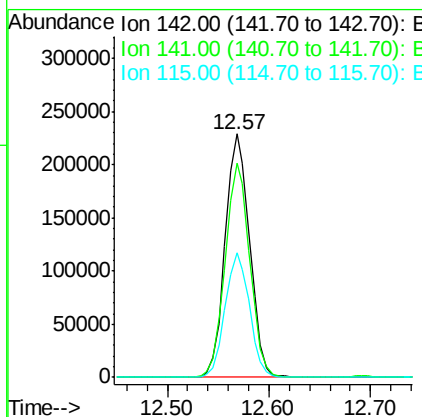
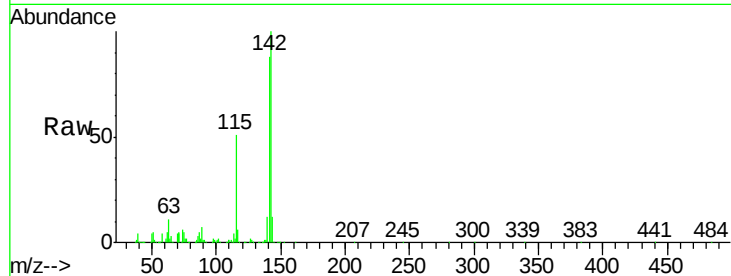




#37
2-Methylnaphthalene
Concen: 48.18 ng
RT: 12.57 min Scan# 1656
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

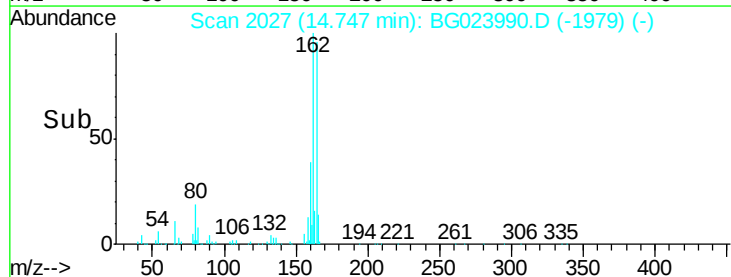
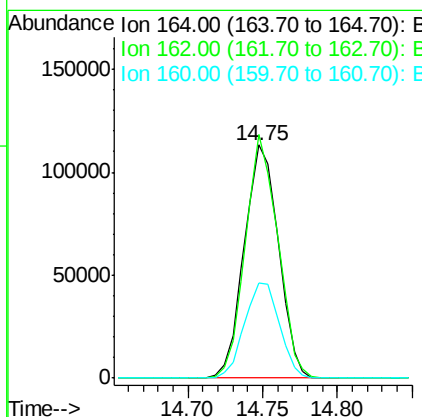
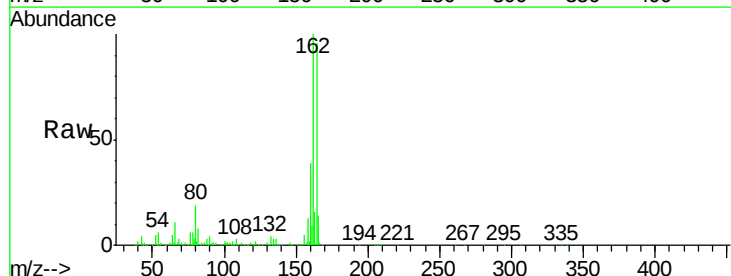
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

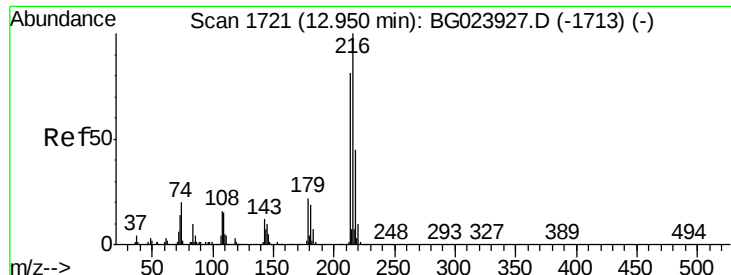
Tgt Ion:142 Resp: 381571
Ion Ratio Lower Upper
142 100
141 87.9 70.2 105.2
115 50.9 41.7 62.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:164 Resp: 179412
Ion Ratio Lower Upper
164 100
162 104.5 87.7 131.5
160 40.7 37.2 55.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.72 ng

RT: 12.94 min Scan# 1719

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

Tgt Ion:216 Resp: 206778

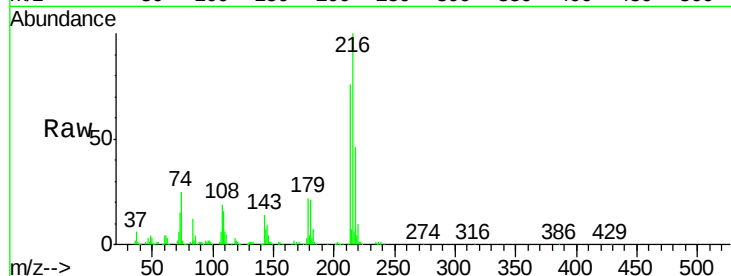
Ion Ratio Lower Upper

216 100

214 79.3 62.9 94.3

179 21.9 17.2 25.8

108 22.4 16.3 24.5

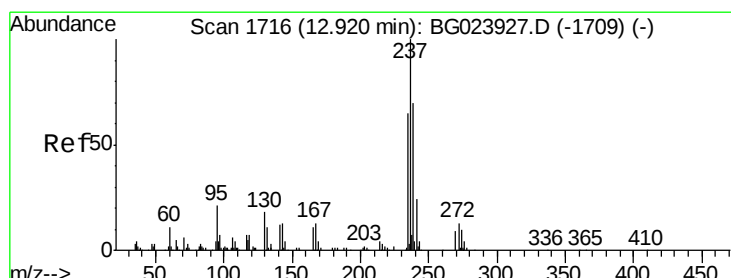
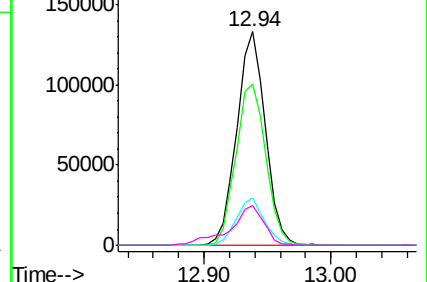
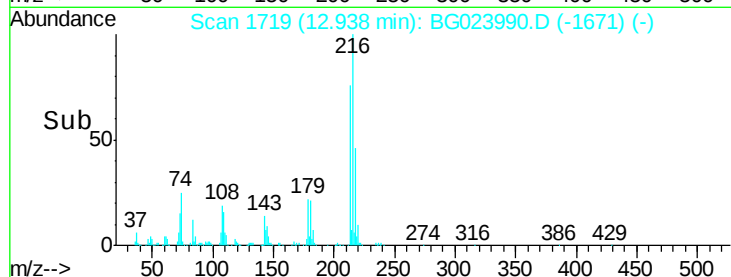


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 67.91 ng

RT: 12.90 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

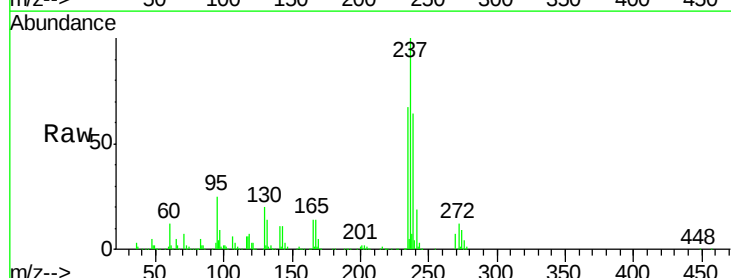
Tgt Ion:237 Resp: 239459

Ion Ratio Lower Upper

237 100

235 66.6 43.1 83.1

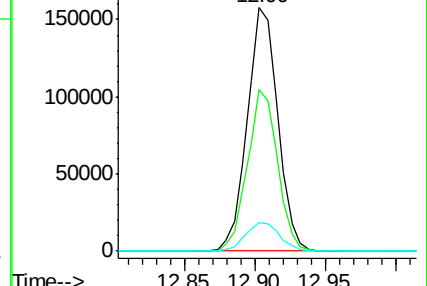
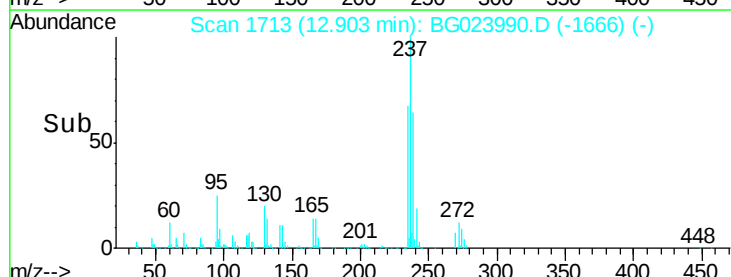
272 11.5 0.0 30.9

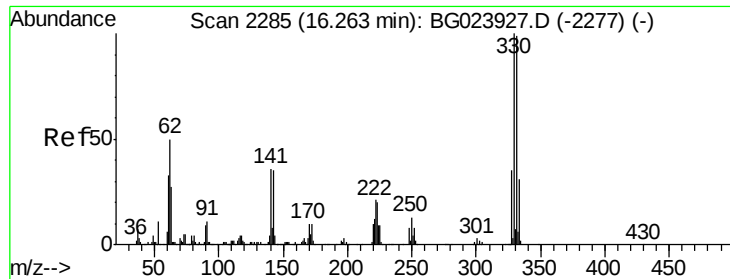


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 121.73 ng

RT: 16.25 min Scan# 2283

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

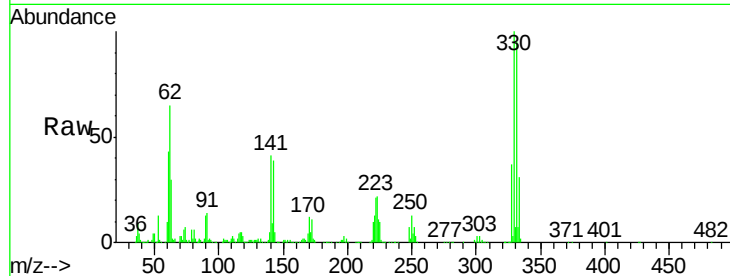
Tgt Ion:330 Resp: 393482

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

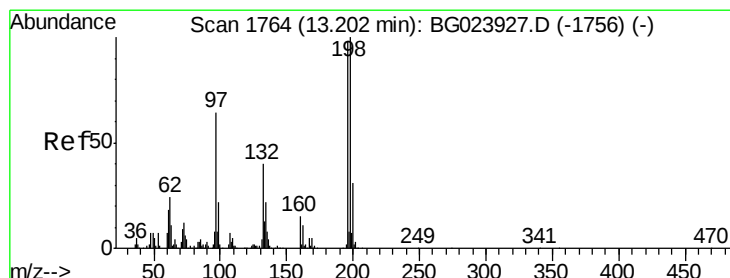
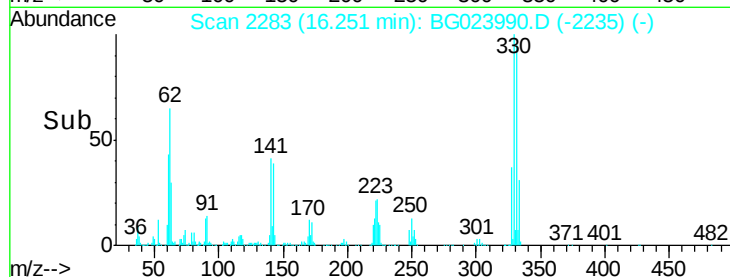
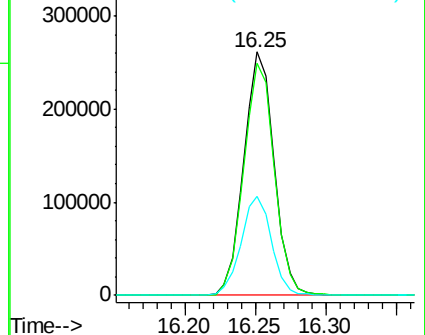
141 40.5 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 42.46 ng

RT: 13.18 min Scan# 1761

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

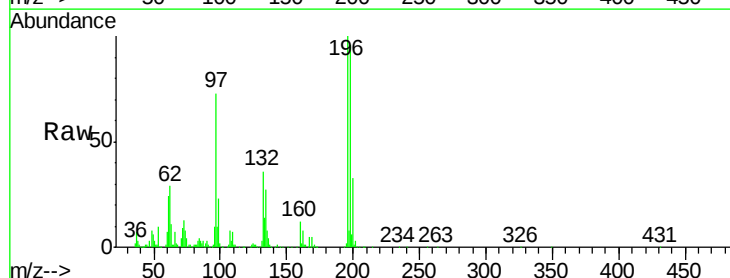
Tgt Ion:196 Resp: 168722

Ion Ratio Lower Upper

196 100

198 95.5 78.2 117.2

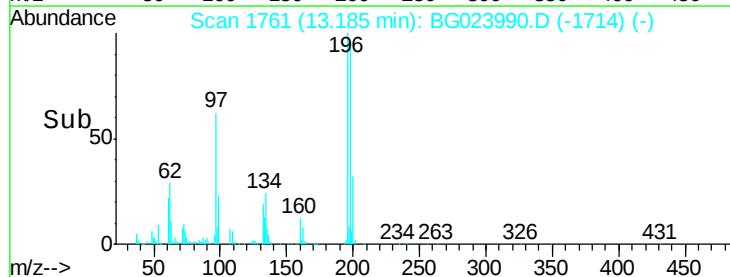
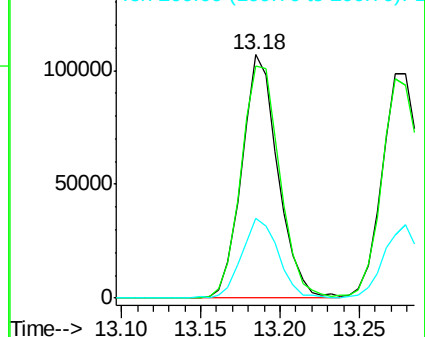
200 32.7 27.0 40.4

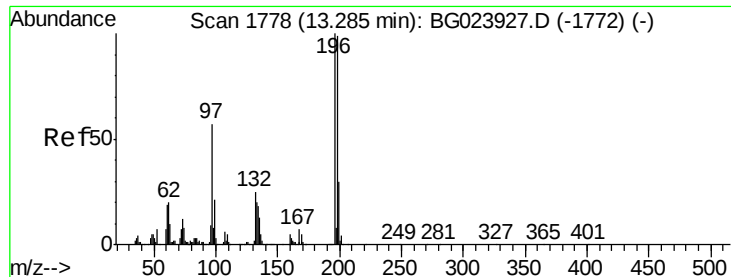


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

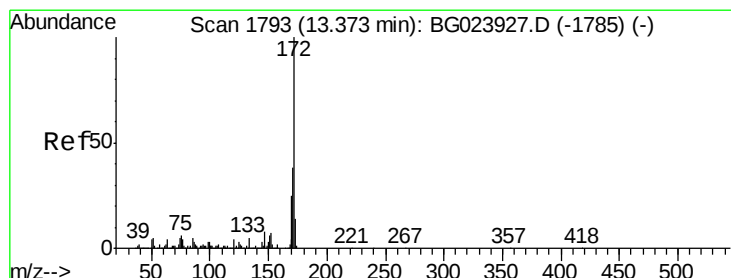
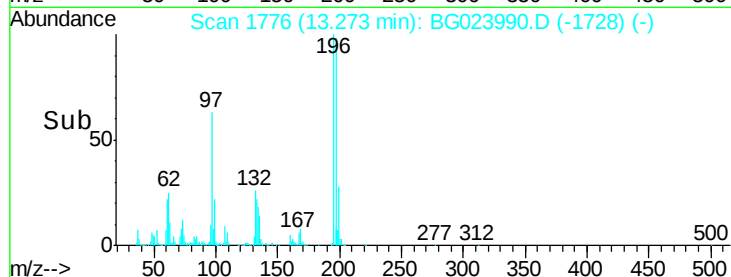
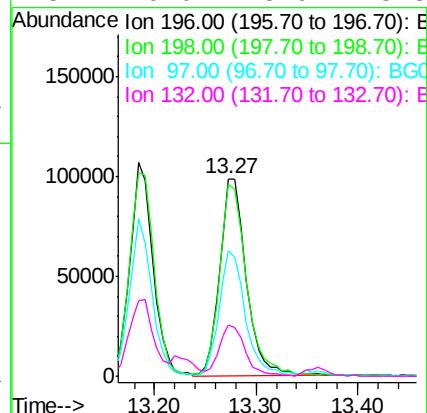
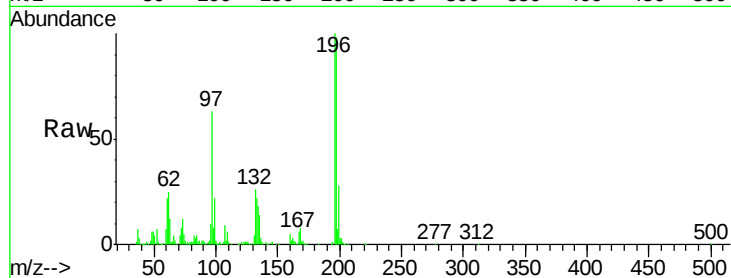




#43
2,4,5-Trichlorophenol
Concen: 44.48 ng
RT: 13.27 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

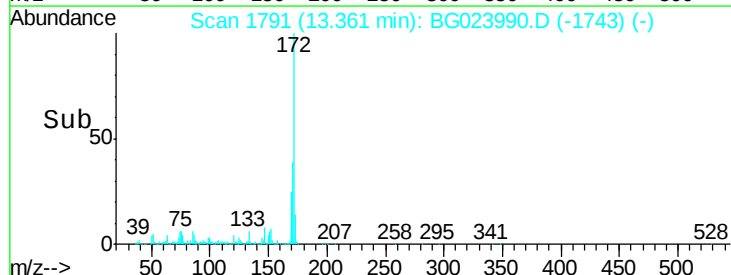
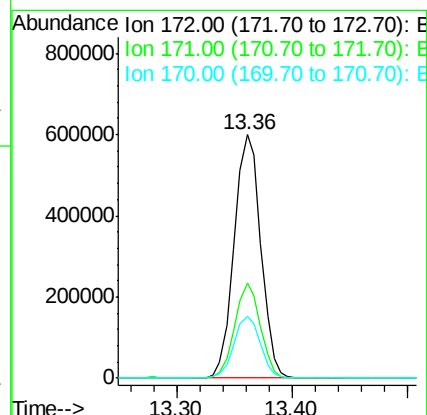
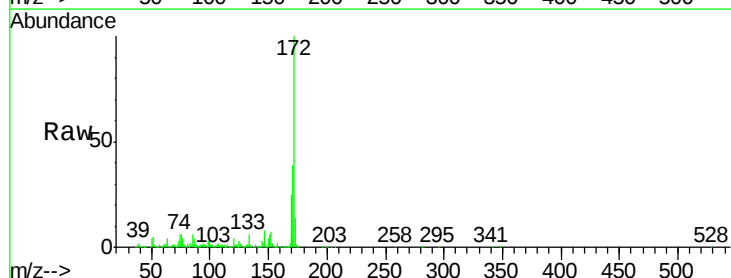
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

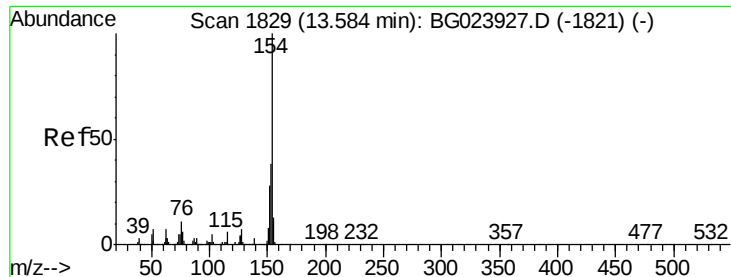
Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.6	85.7	128.5
97	63.4	45.5	68.3
132	26.0	18.9	28.3



#44
2-Fluorobiphenyl
Concen: 76.40 ng
RT: 13.36 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.6	47.4
170	25.2	21.3	31.9

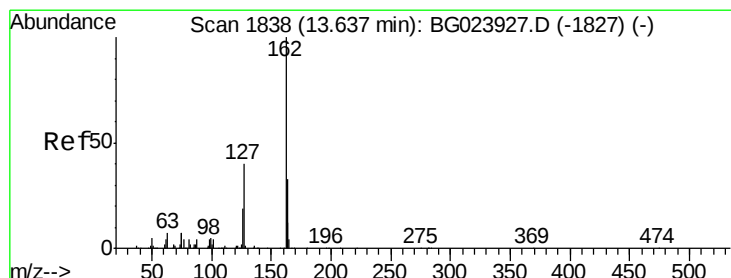
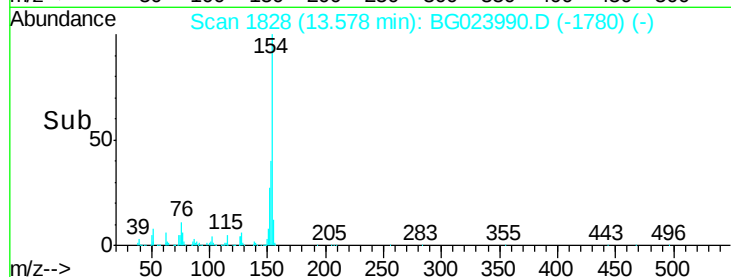
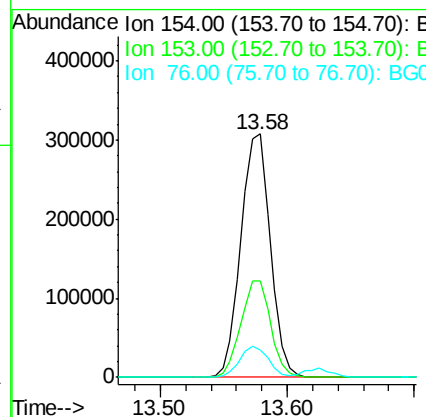
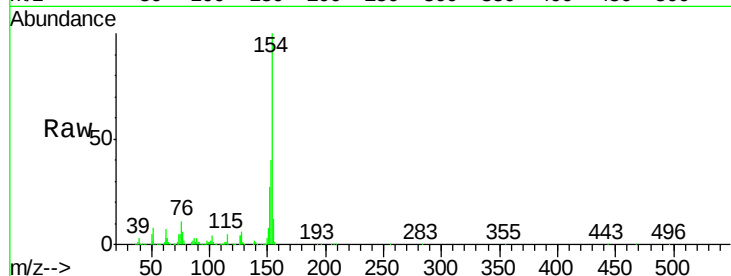




#45
 1,1'-Biphenyl
 Concen: 34.24 ng
 RT: 13.58 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

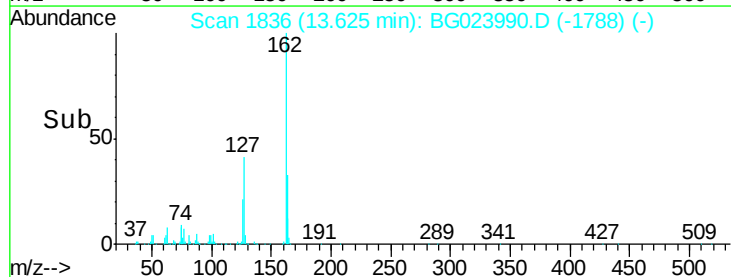
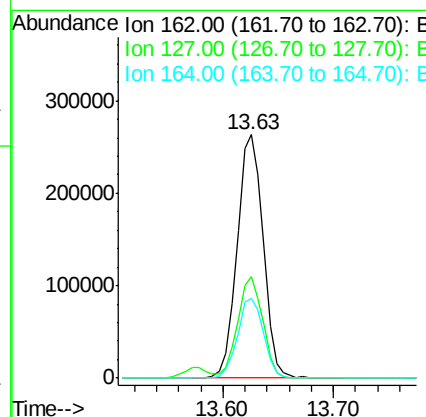
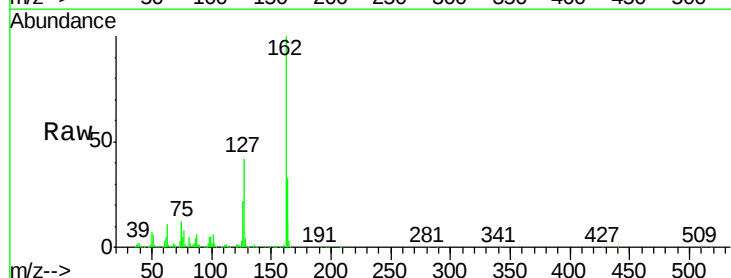
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.2	60.2
76	11.4	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 41.06 ng
 RT: 13.63 min Scan# 1836
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.4	48.6
164	32.8	25.2	37.8

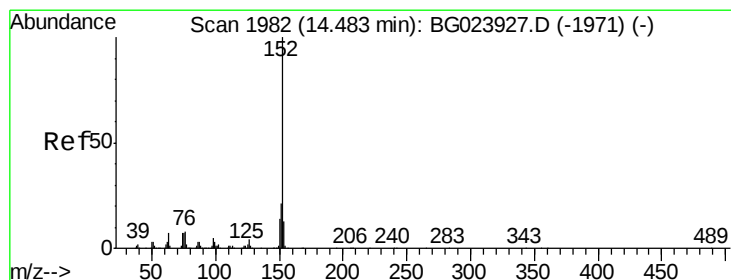
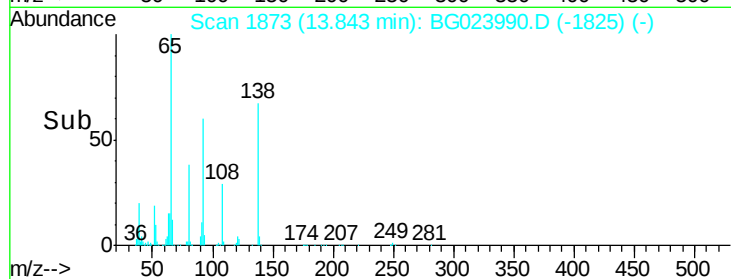
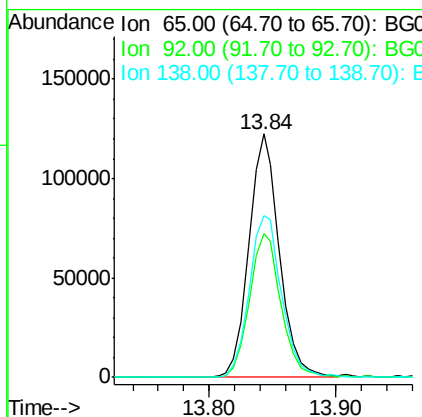
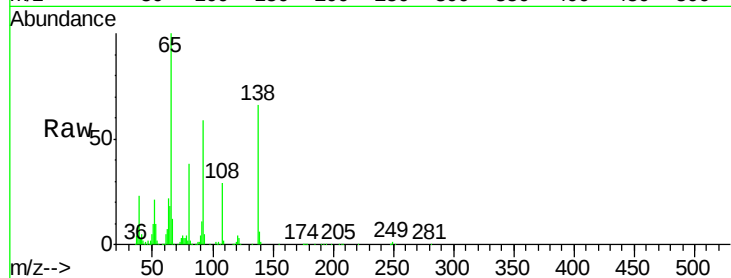




#47
2-Nitroaniline
Concen: 48.99 ng
RT: 13.84 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

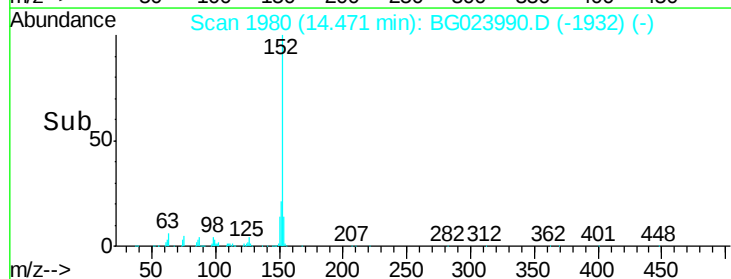
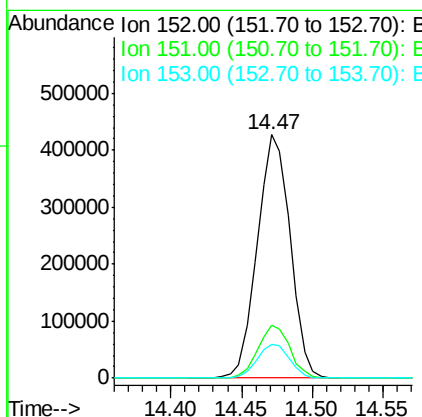
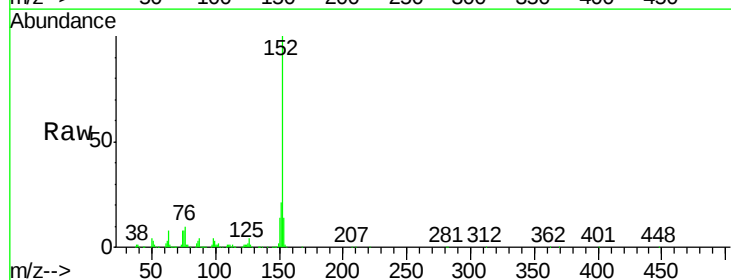
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

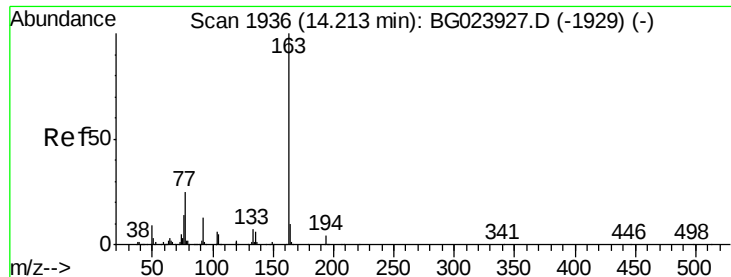
Tgt Ion: 65 Resp: 204431
Ion Ratio Lower Upper
65 100
92 58.9 49.4 74.0
138 66.4 58.0 87.0



#48
Acenaphthylene
Concen: 39.73 ng
RT: 14.47 min Scan# 1980
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion: 152 Resp: 701689
Ion Ratio Lower Upper
152 100
151 21.5 17.6 26.4
153 13.8 11.4 17.2





#49

Dimethylphthalate

Concen: 41.72 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

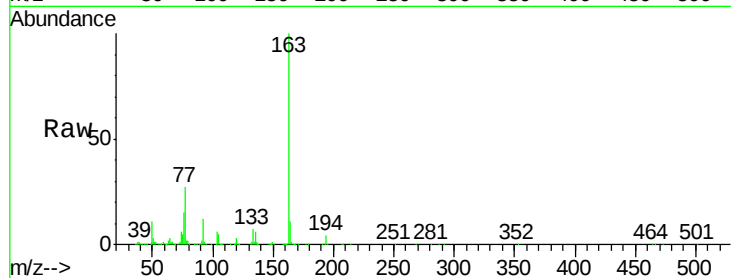
Tgt Ion:163 Resp: 641869

Ion Ratio Lower Upper

163 100

194 3.6 3.6 5.4

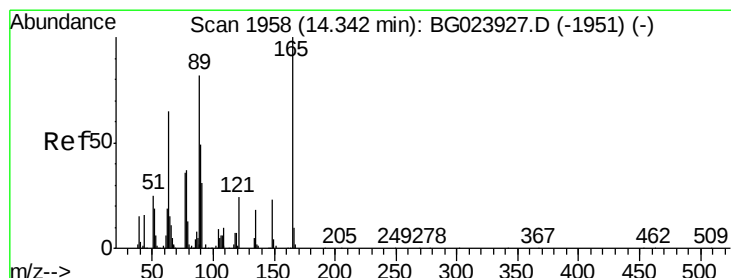
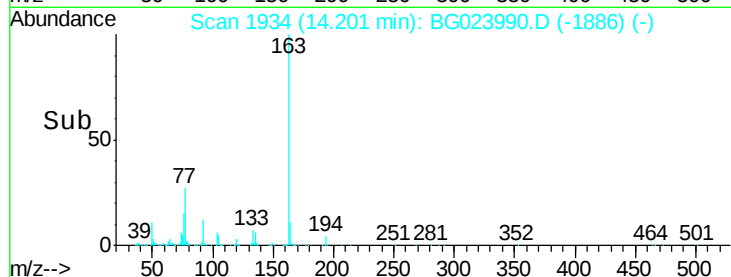
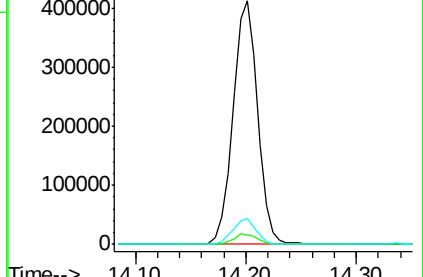
164 10.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.73 ng

RT: 14.33 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

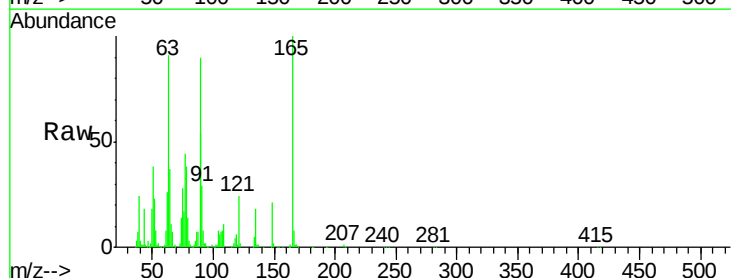
Tgt Ion:165 Resp: 138776

Ion Ratio Lower Upper

165 100

63 90.9 64.3 96.5

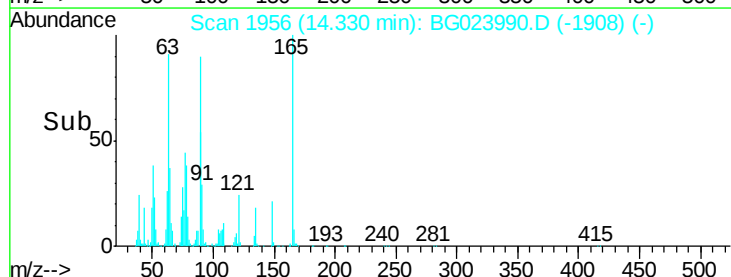
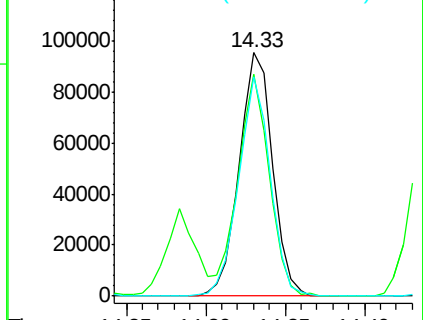
89 89.9 64.3 96.5

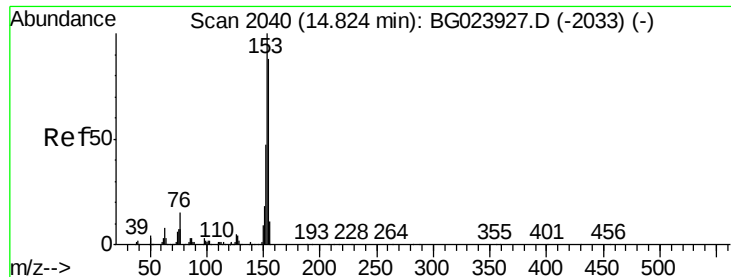


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 41.24 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

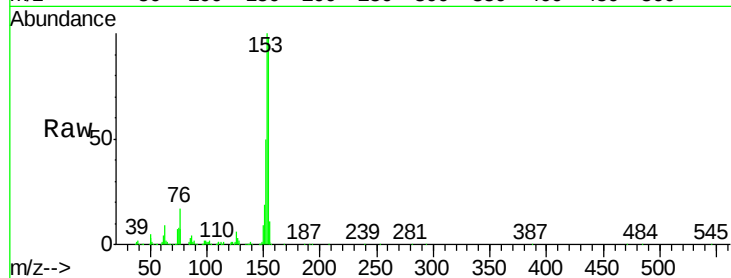
Tgt Ion:154 Resp: 450218

Ion Ratio Lower Upper

154 100

153 102.0 87.5 131.3

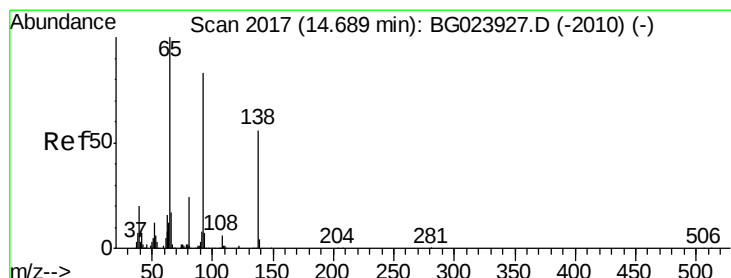
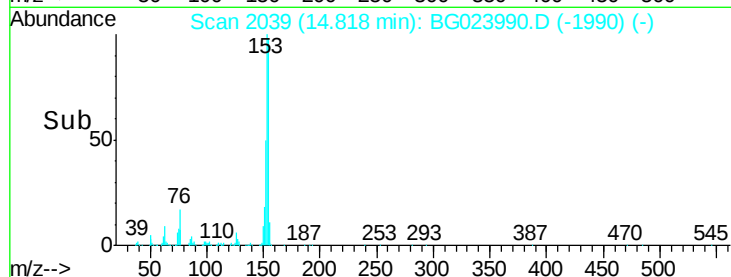
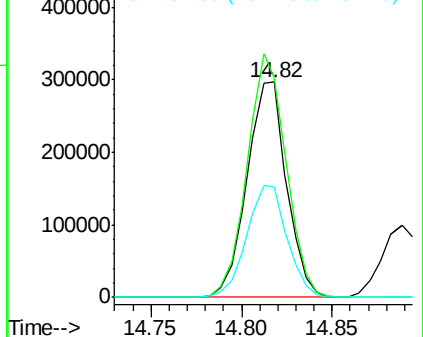
152 51.5 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.43 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

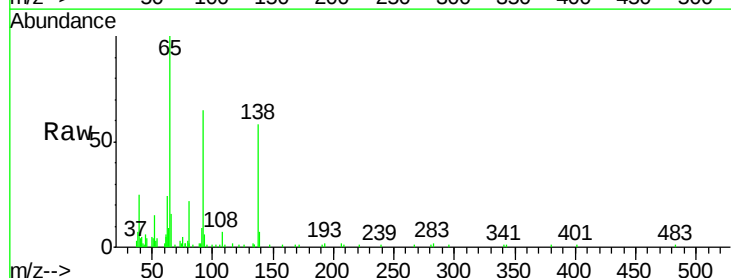
Tgt Ion:138 Resp: 16484

Ion Ratio Lower Upper

138 100

108 12.6 11.7 17.5

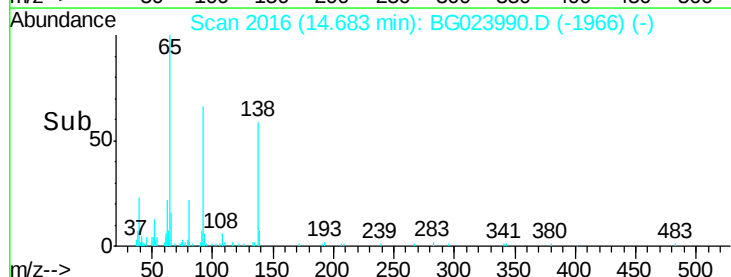
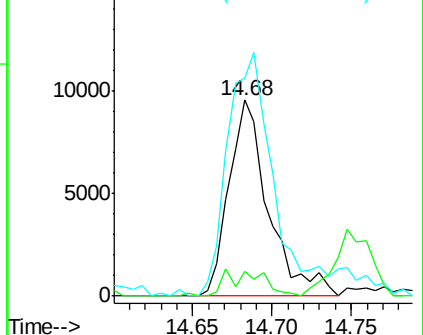
92 111.5 129.7 194.5#

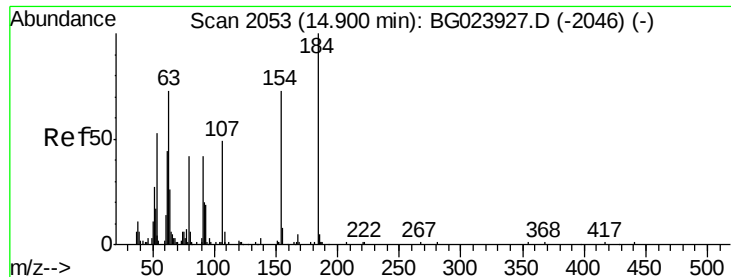


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

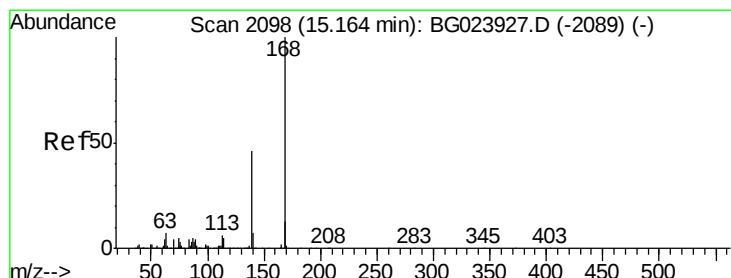
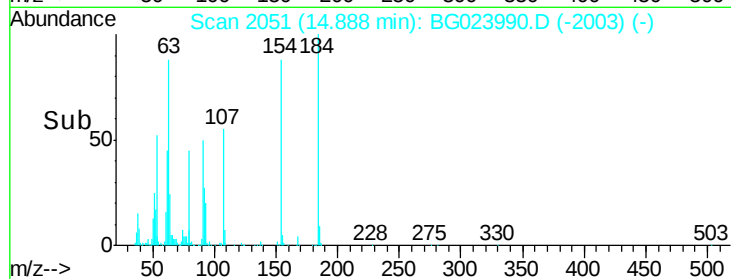
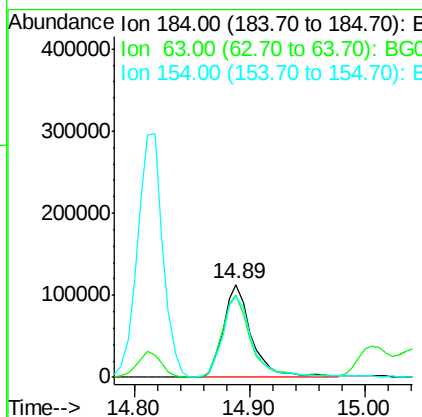
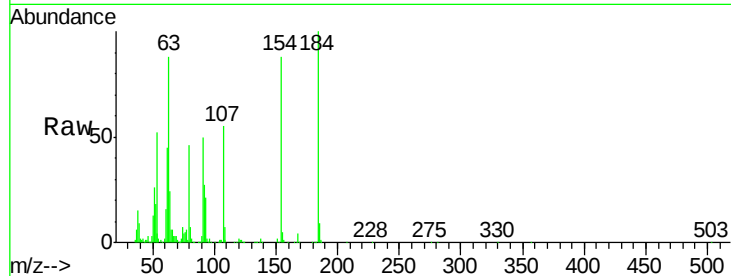




#53
2,4-Dinitrophenol
Concen: 80.66 ng
RT: 14.89 min Scan# 2051
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

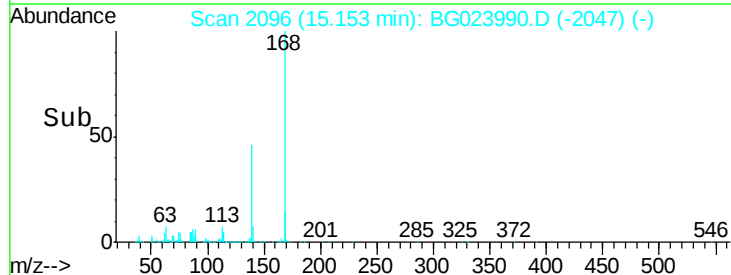
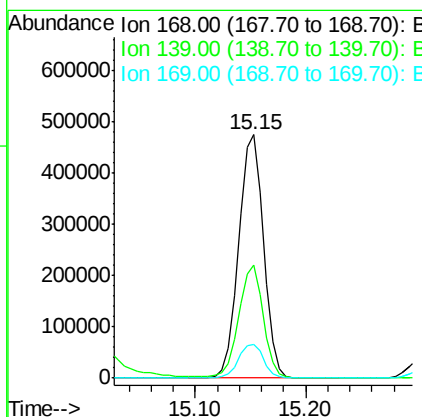
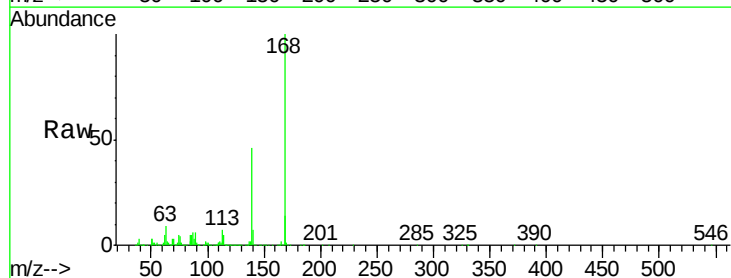
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

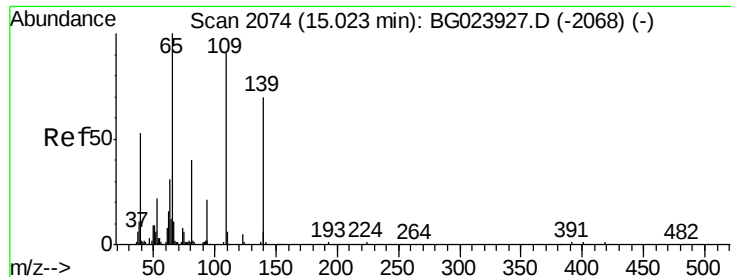
Tgt Ion:184 Resp: 191649
Ion Ratio Lower Upper
184 100
63 88.1 59.6 89.4
154 87.9 67.4 101.0



#54
Dibenzofuran
Concen: 44.01 ng
RT: 15.15 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:168 Resp: 749868
Ion Ratio Lower Upper
168 100
139 46.3 36.4 54.6
169 13.7 11.9 17.9





#55

4-Nitrophenol

Concen: 76.98 ng

RT: 15.01 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

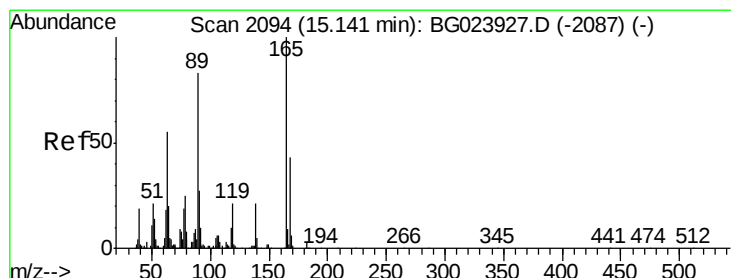
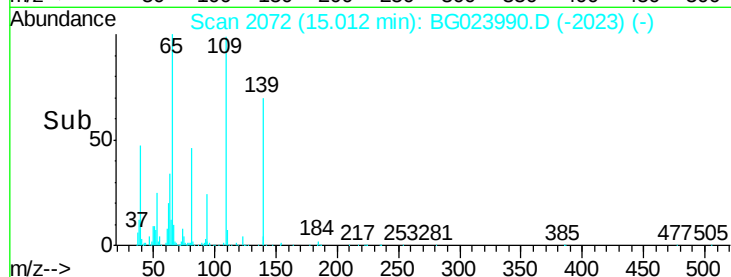
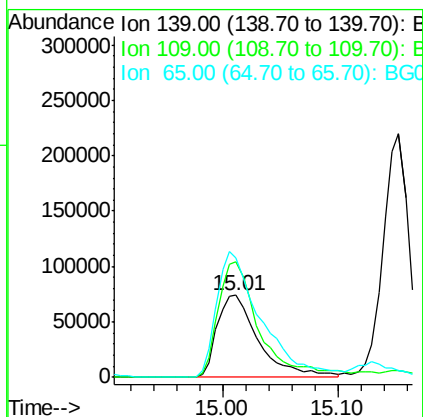
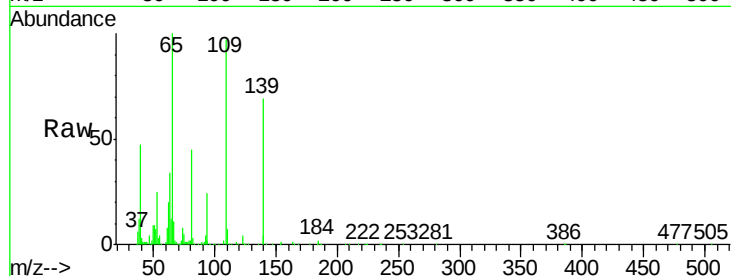
Tgt Ion:139 Resp: 186052

Ion Ratio Lower Upper

139 100

109 141.9 103.0 143.0

65 145.8 112.7 152.7



#56

2,4-Dinitrotoluene

Concen: 43.73 ng

RT: 15.13 min Scan# 2092

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Tgt Ion:165 Resp: 208764

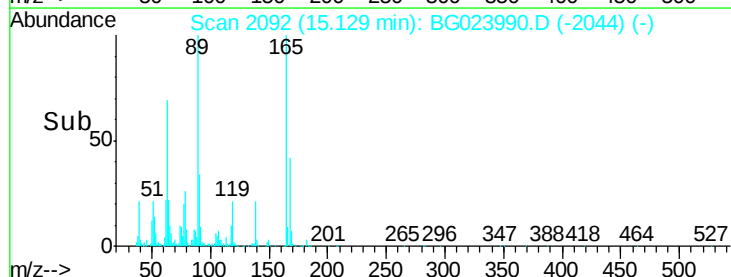
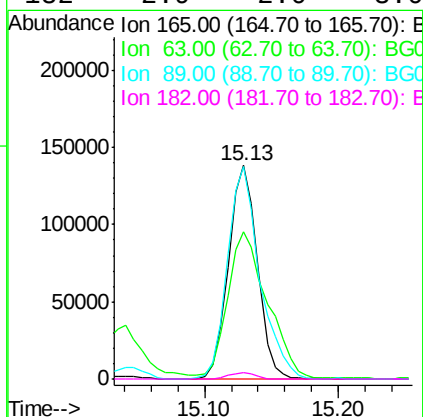
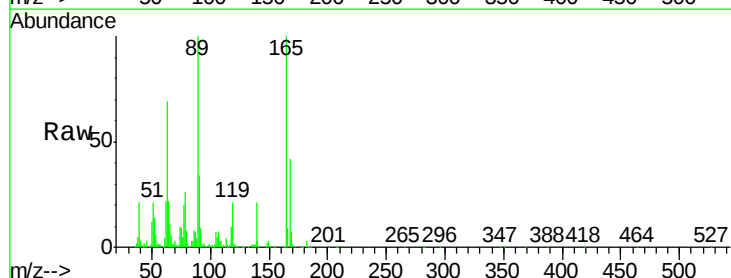
Ion Ratio Lower Upper

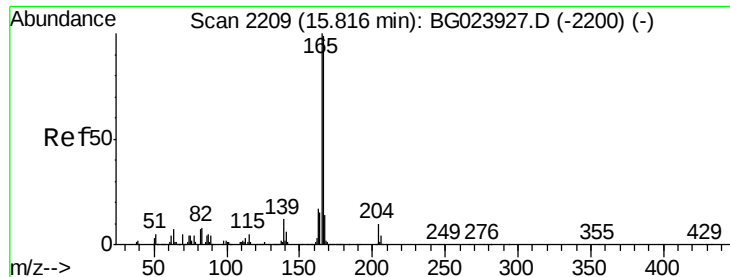
165 100

63 68.9 45.8 68.6#

89 99.7 68.6 102.8

182 2.9 2.0 3.0





#57

Fluorene

Concen: 43.06 ng

RT: 15.80 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

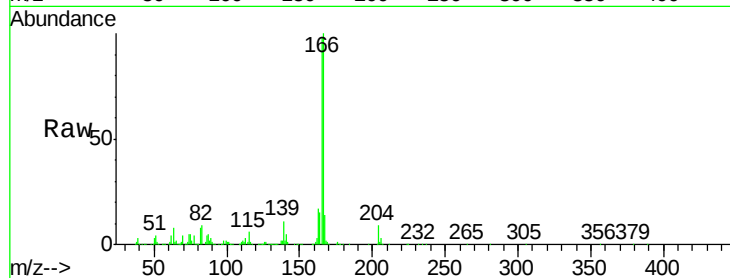
Tgt Ion:166 Resp: 636274

Ion Ratio Lower Upper

166 100

165 98.2 81.0 121.6

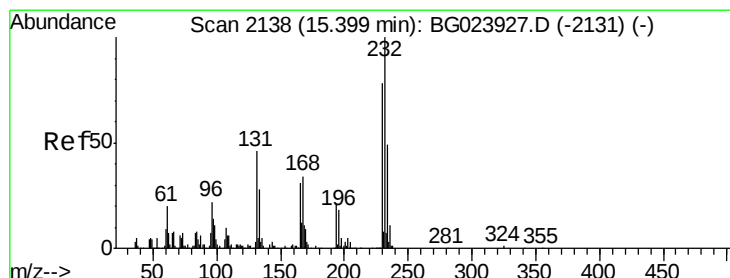
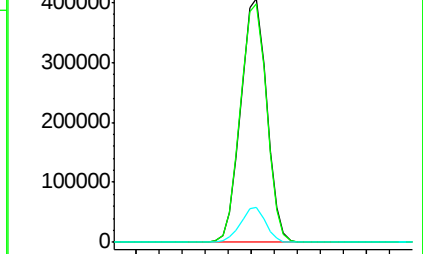
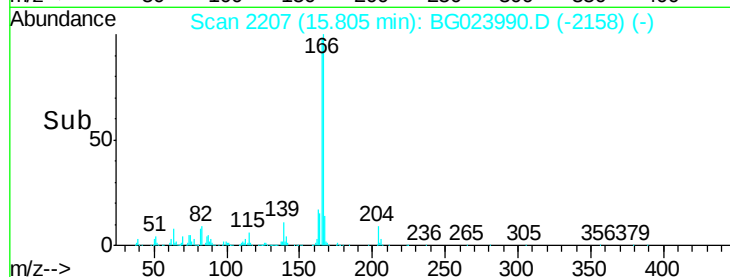
167 14.2 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.46 ng

RT: 15.39 min Scan# 2136

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Tgt Ion:232 Resp: 197594

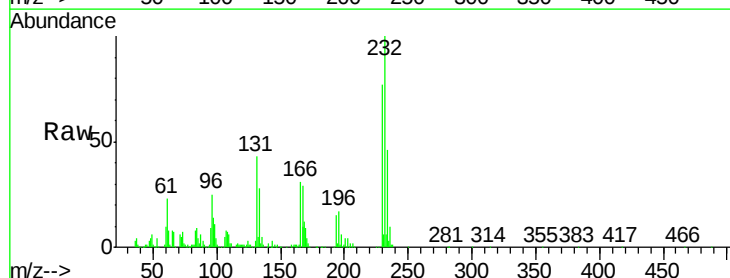
Ion Ratio Lower Upper

232 100

131 44.6 32.7 49.1

130 3.1 2.6 3.8

166 30.0 23.0 34.6

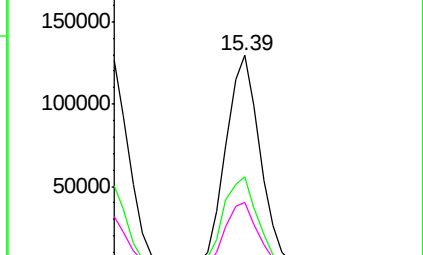
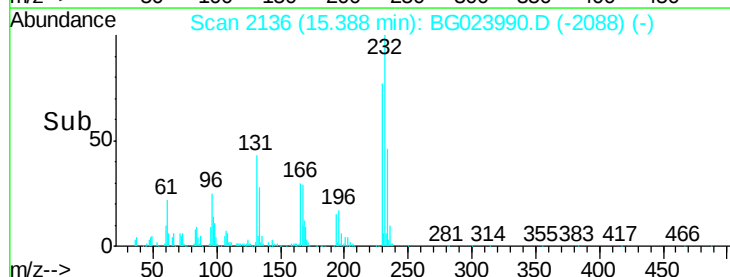


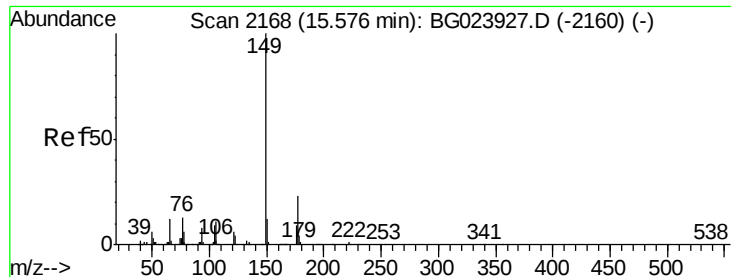
Abundance Ion 232.00 (231.70 to 232.70): E

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: 41.83 ng

RT: 15.56 min Scan# 2165

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

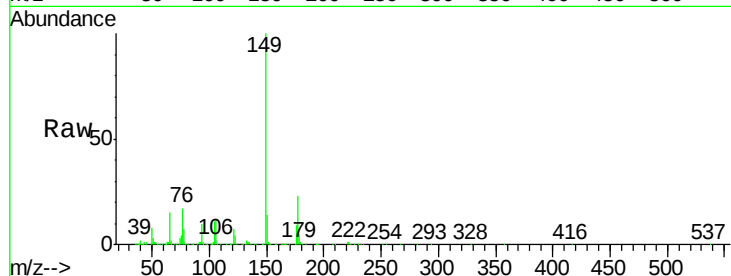
Tgt Ion:149 Resp: 686957

Ion Ratio Lower Upper

149 100

177 23.4 19.2 28.8

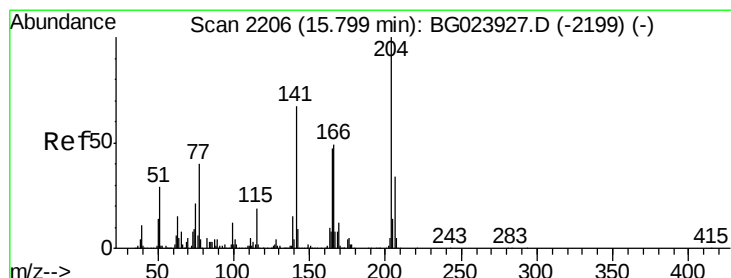
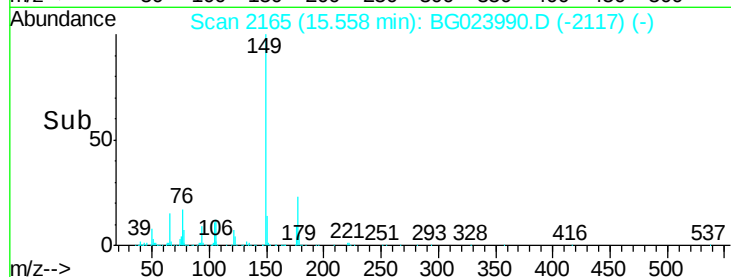
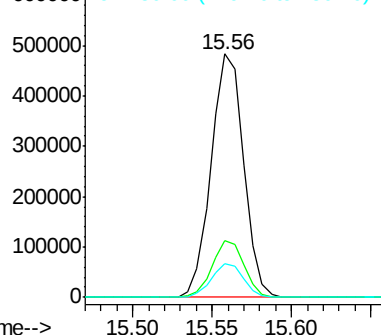
150 13.7 10.6 16.0



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: 42.86 ng

RT: 15.79 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

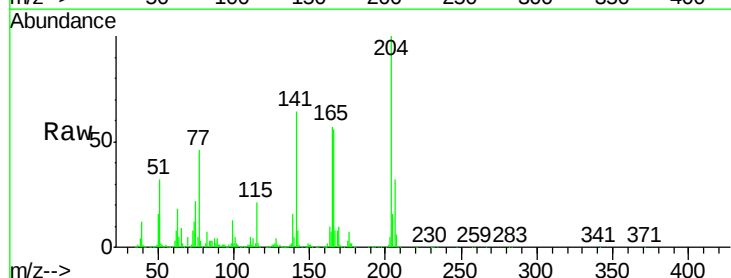
Tgt Ion:204 Resp: 340898

Ion Ratio Lower Upper

204 100

206 31.9 28.5 42.7

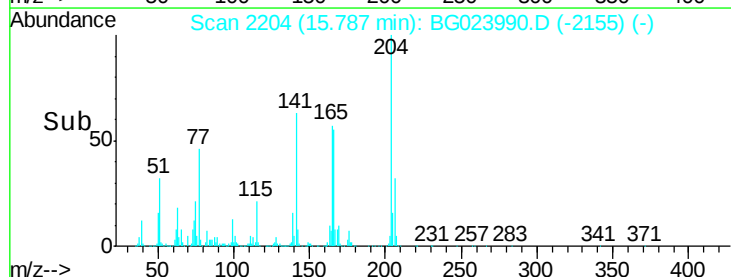
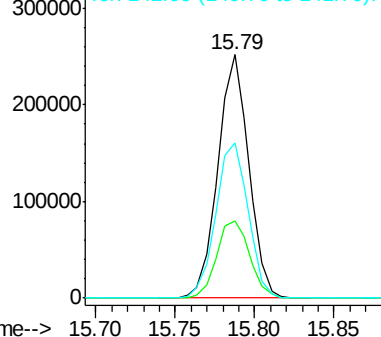
141 63.5 51.4 77.0

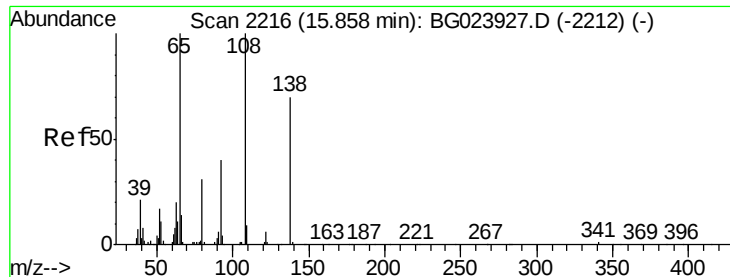


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

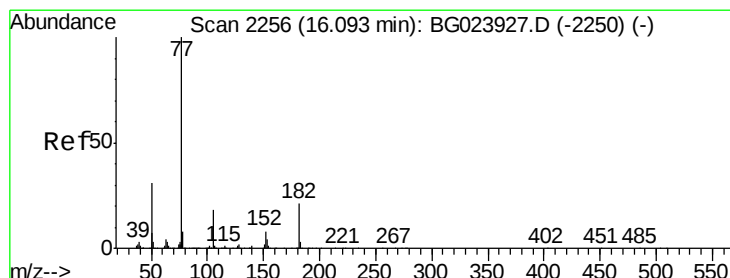
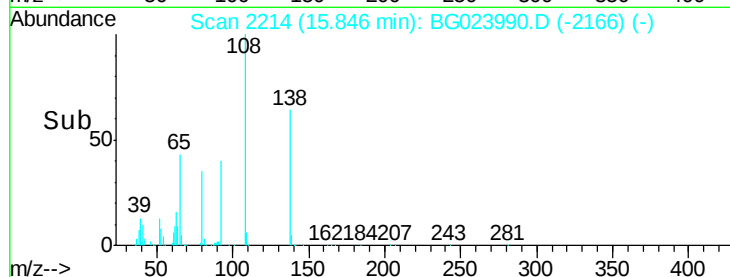
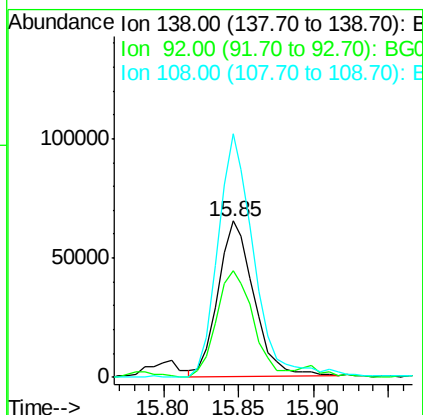
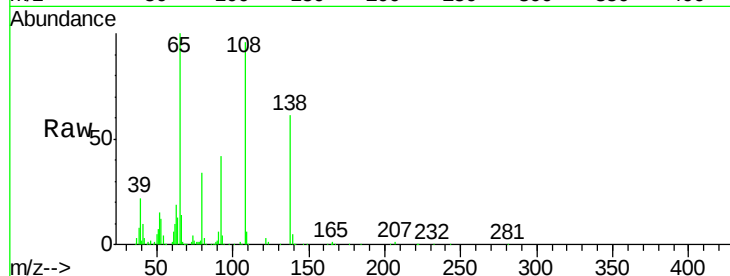




#61
4-Nitroaniline
Concen: 35.76 ng
RT: 15.85 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

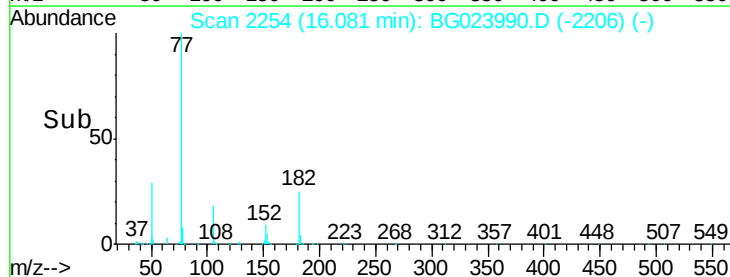
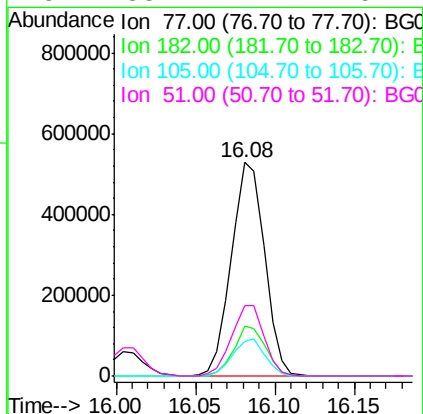
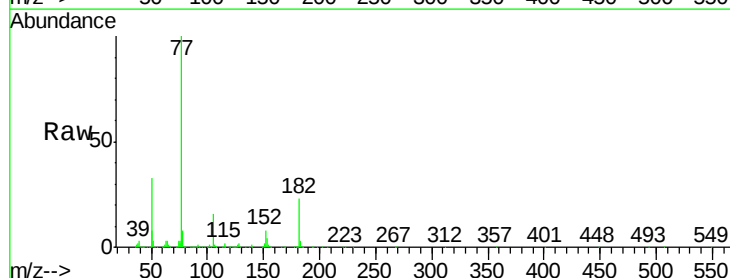
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

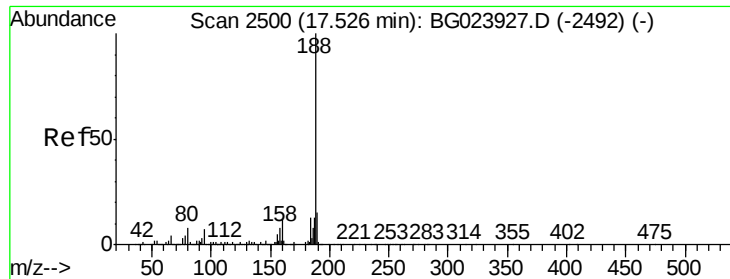
Tgt Ion:138 Resp: 109811
Ion Ratio Lower Upper
138 100
92 67.9 54.1 94.1
108 155.6 133.9 173.9



#62
Azobenzene
Concen: 48.29 ng
RT: 16.08 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion: 77 Resp: 768082
Ion Ratio Lower Upper
77 100
182 23.4 3.5 43.5
105 16.3 0.0 38.5
51 33.2 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

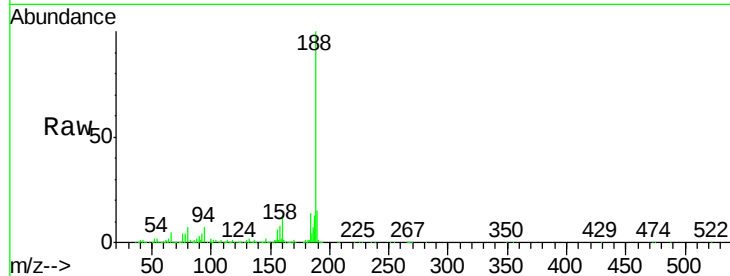
Tgt Ion:188 Resp: 417729

Ion Ratio Lower Upper

188 100

94 6.8 5.2 7.8

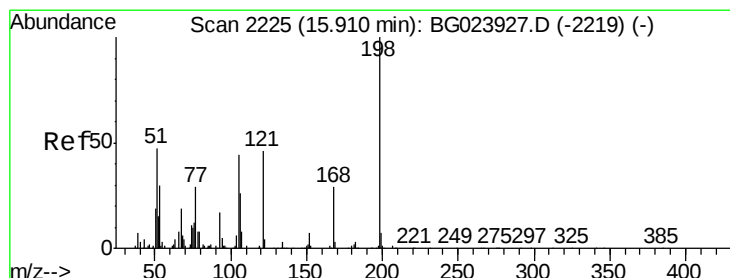
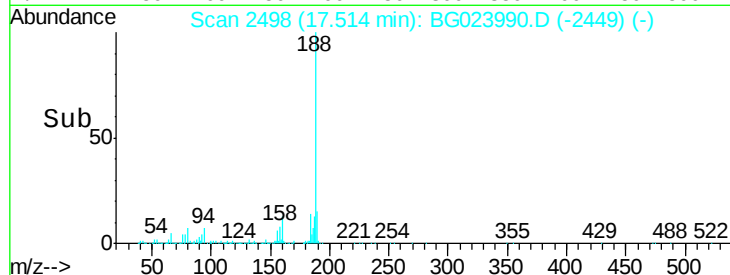
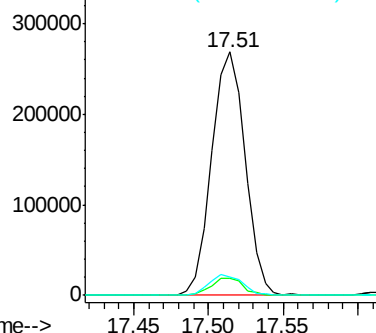
80 7.5 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 47.73 ng

RT: 15.90 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

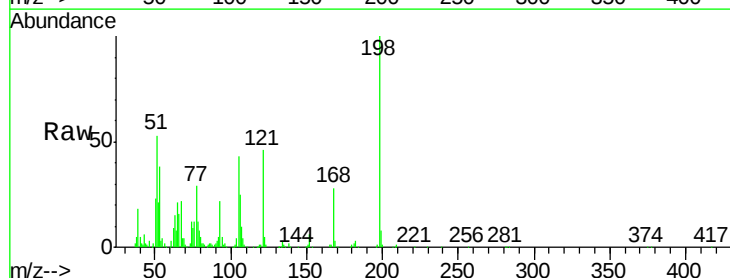
Tgt Ion:198 Resp: 138429

Ion Ratio Lower Upper

198 100

51 53.4 26.0 66.0

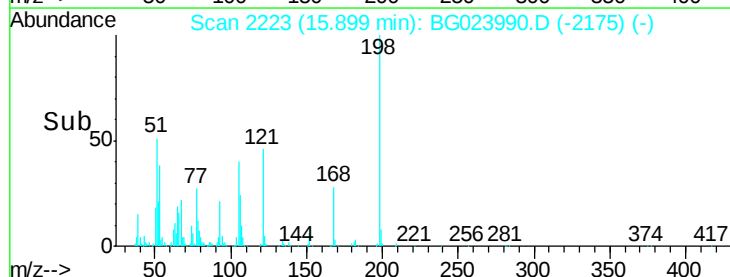
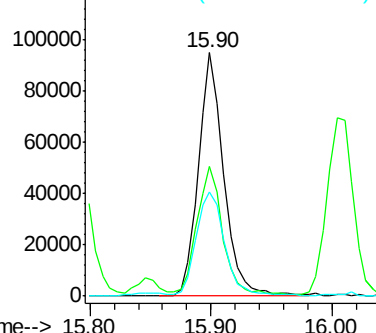
105 42.6 20.1 60.1

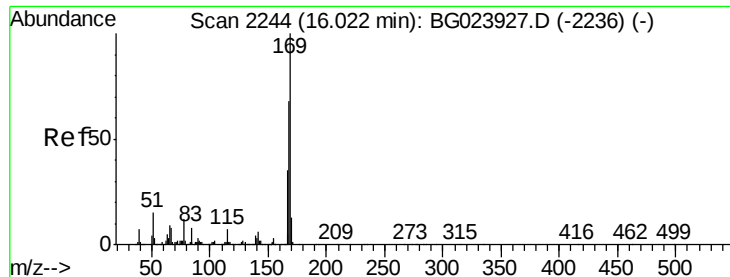


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 49.86 ng

RT: 16.01 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

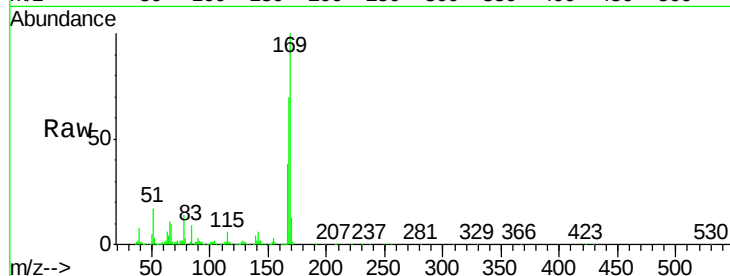
Tgt Ion:169 Resp: 591532

Ion Ratio Lower Upper

169 100

168 69.5 55.0 82.4

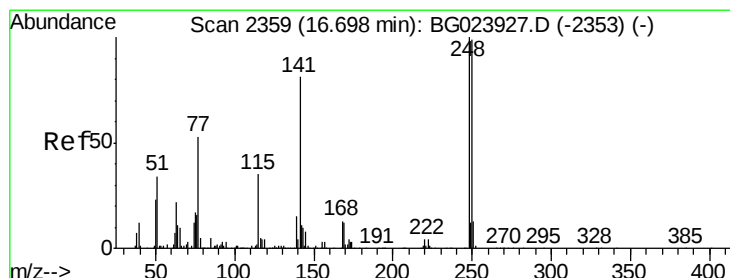
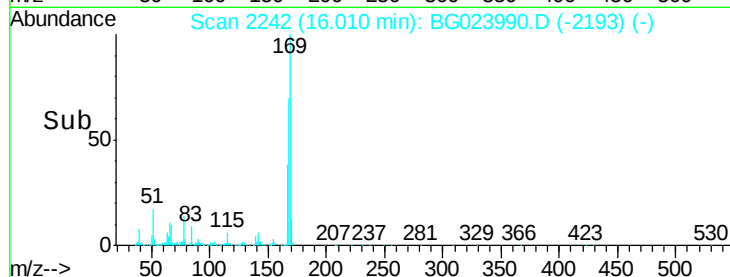
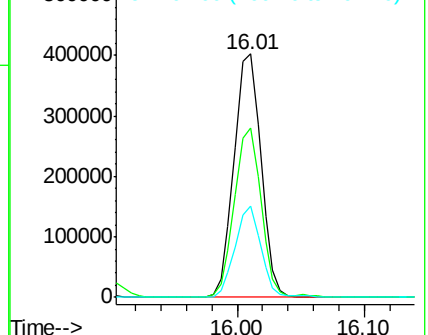
167 37.7 27.4 41.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 49.51 ng

RT: 16.69 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

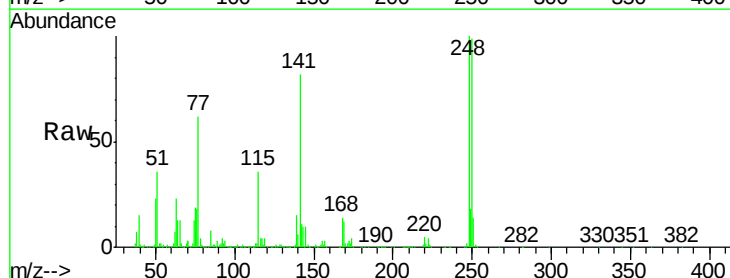
Tgt Ion:248 Resp: 251627

Ion Ratio Lower Upper

248 100

250 99.3 77.8 116.8

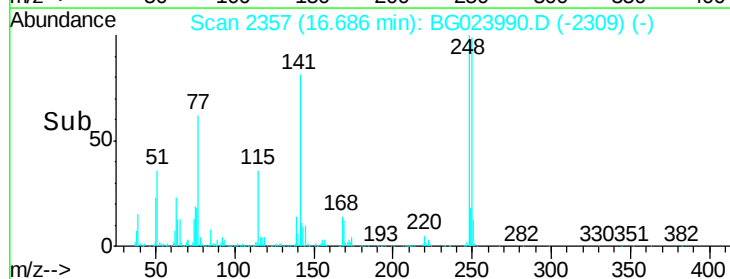
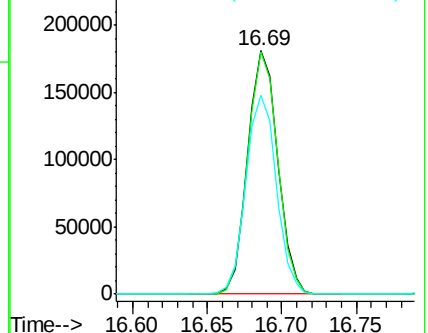
141 81.5 65.7 98.5

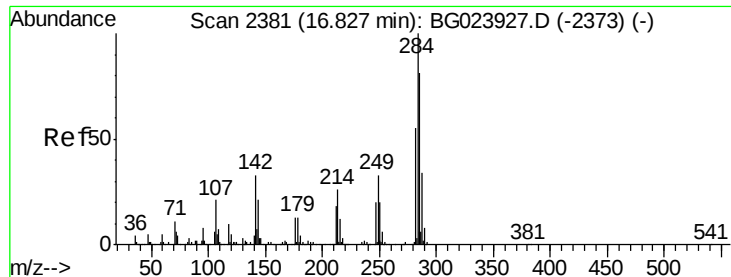


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 43.58 ng

RT: 16.82 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

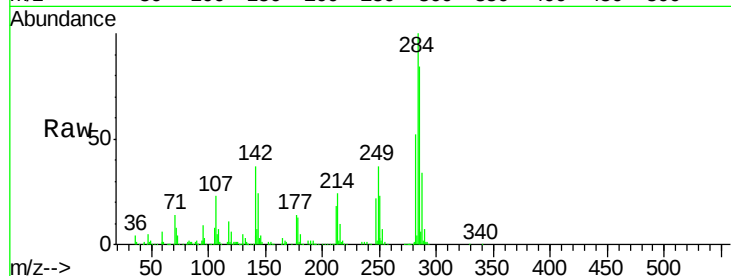
Tgt Ion:284 Resp: 259783

Ion Ratio Lower Upper

284 100

142 36.5 26.8 40.2

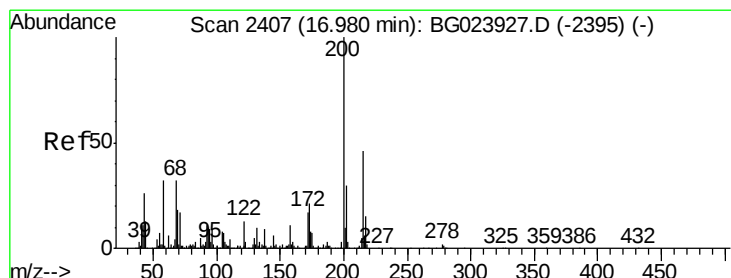
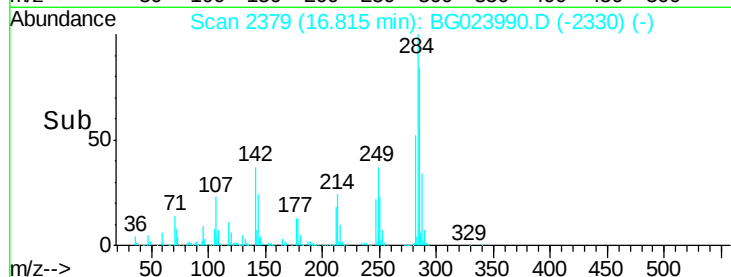
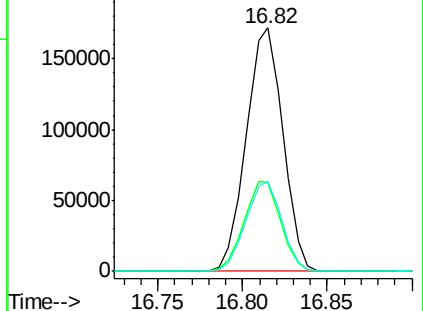
249 37.0 28.9 43.3



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: 43.91 ng

RT: 16.96 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

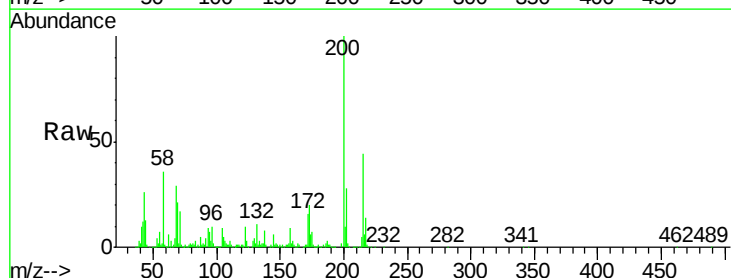
Tgt Ion:200 Resp: 224166

Ion Ratio Lower Upper

200 100

173 20.3 1.6 41.6

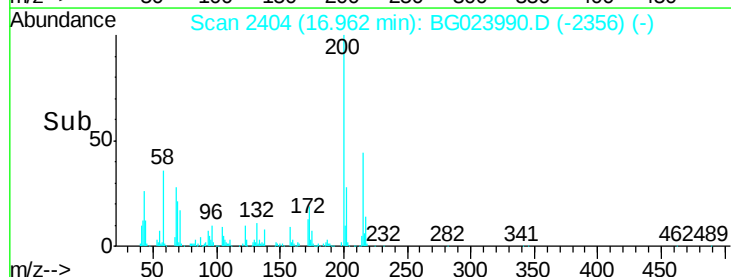
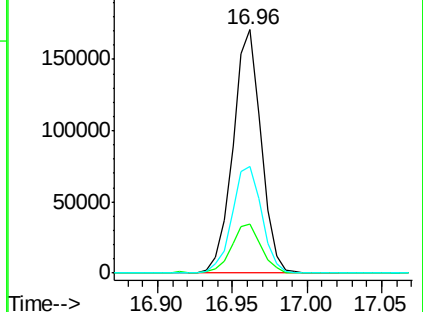
215 43.8 28.7 68.7



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: 91.81 ng

RT: 17.17 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

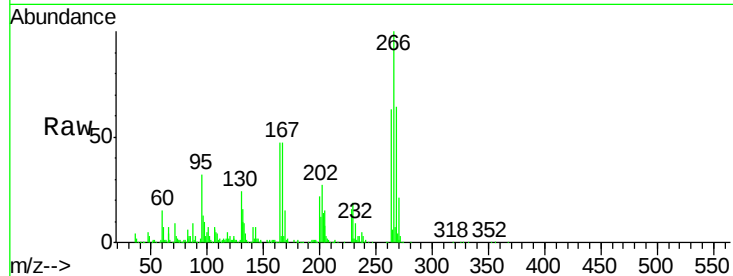
Tgt Ion:266 Resp: 290637

Ion Ratio Lower Upper

266 100

268 63.6 51.9 77.9

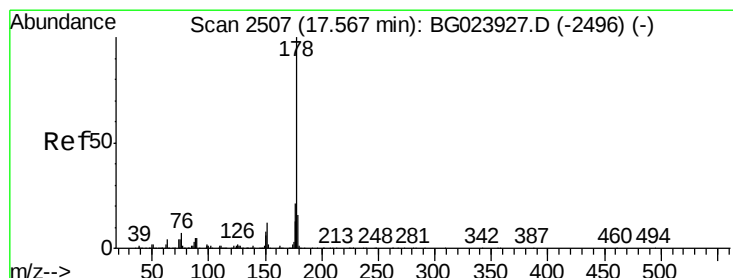
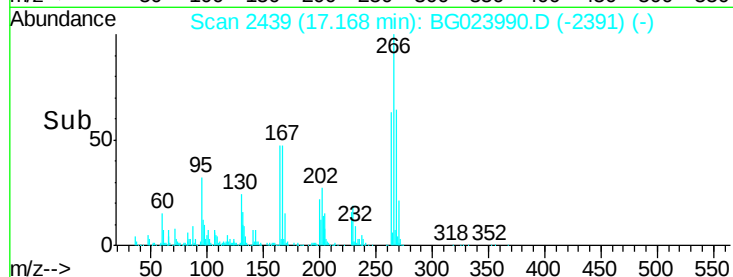
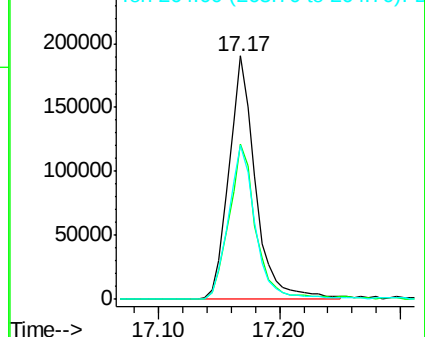
264 63.2 50.6 75.8



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: 50.22 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

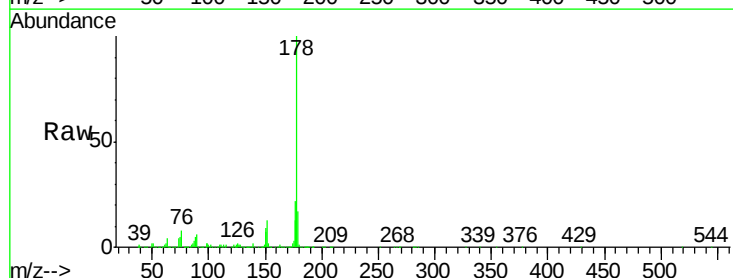
Tgt Ion:178 Resp: 1091434

Ion Ratio Lower Upper

178 100

176 22.2 16.8 25.2

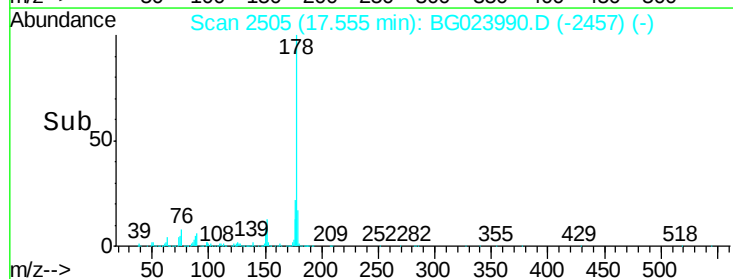
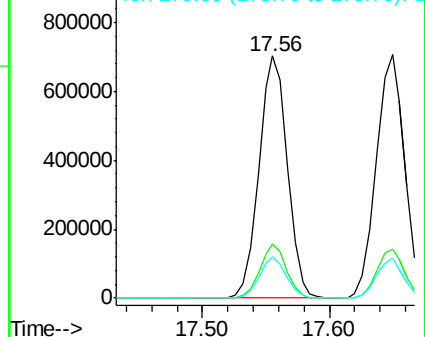
179 17.1 14.3 21.5

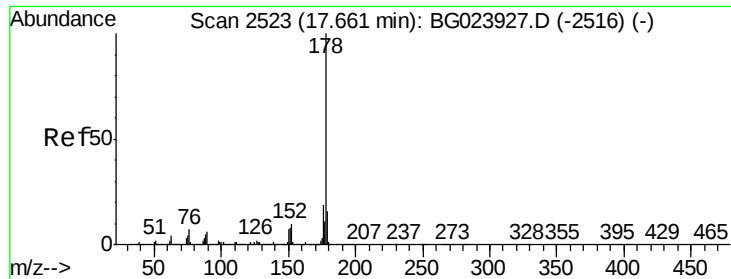


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

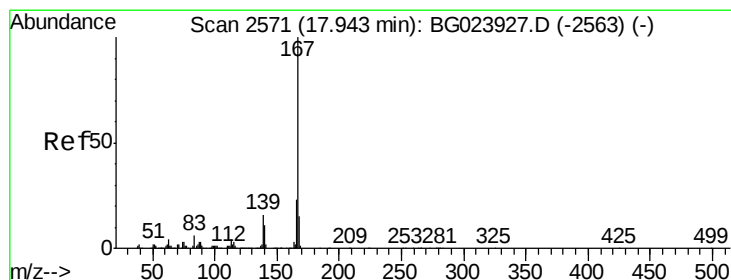
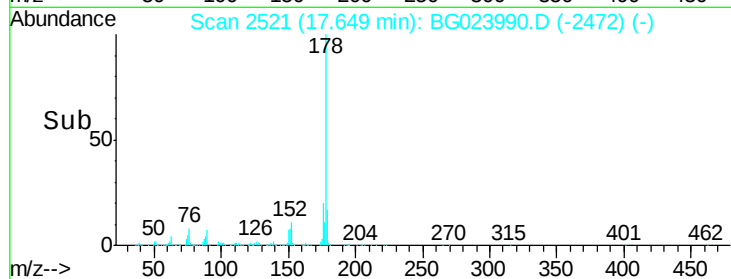
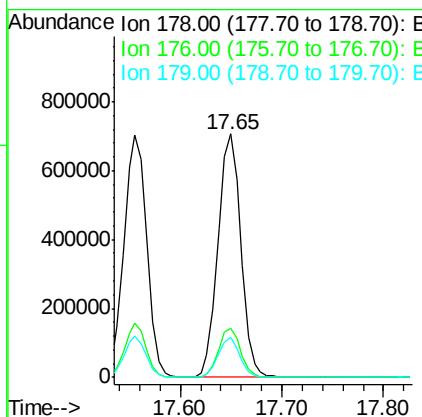
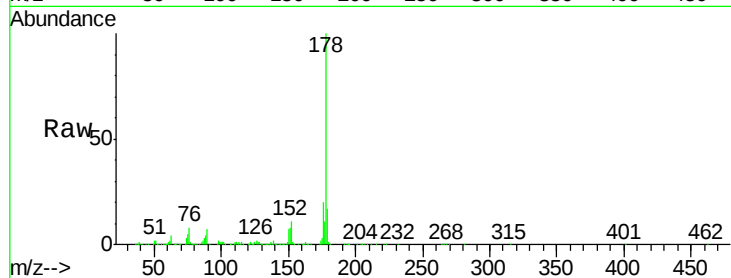




#71
 Anthracene
 Concen: 49.90 ng
 RT: 17.65 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

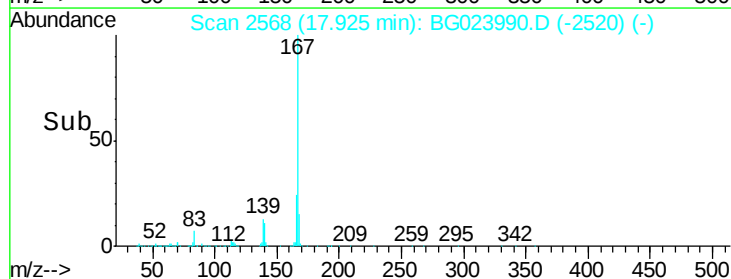
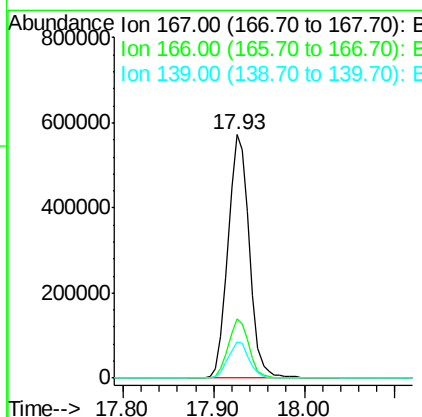
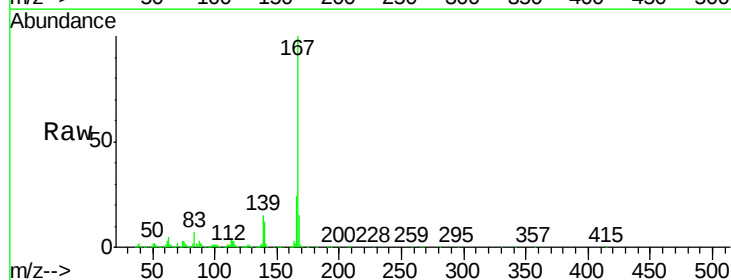
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

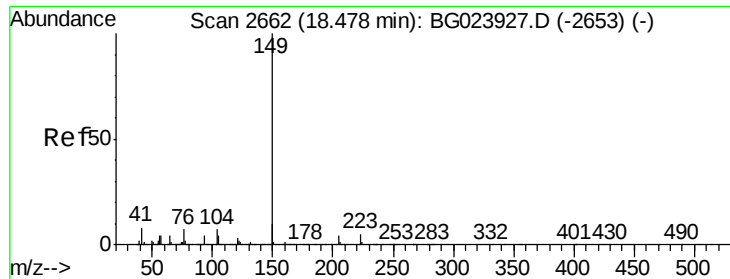
Tgt Ion:178 Resp: 1106210
 Ion Ratio Lower Upper
 178 100
 176 20.0 17.3 25.9
 179 16.7 14.0 21.0



#72
 Carbazole
 Concen: 46.48 ng
 RT: 17.93 min Scan# 2568
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion:167 Resp: 934939
 Ion Ratio Lower Upper
 167 100
 166 24.3 20.7 31.1
 139 14.8 11.9 17.9





#73

Di-n-butylphthalate

Concen: 46.88 ng

RT: 18.46 min Scan# 2659

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

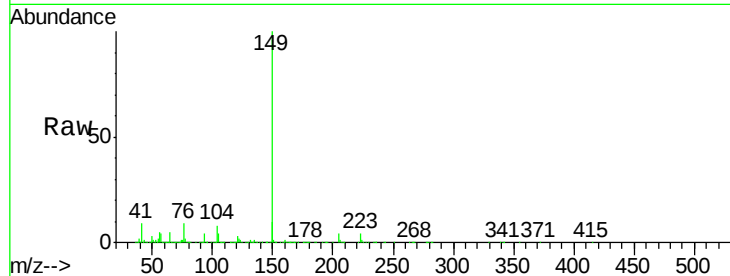
Tgt Ion:149 Resp: 1125085

Ion Ratio Lower Upper

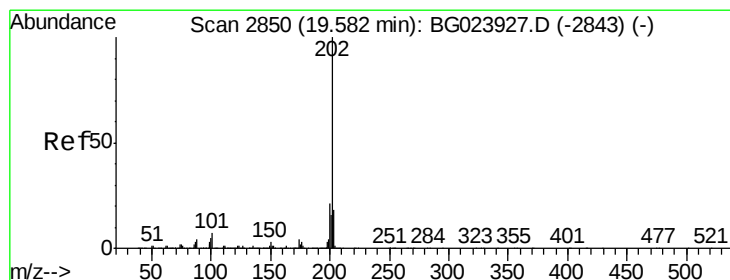
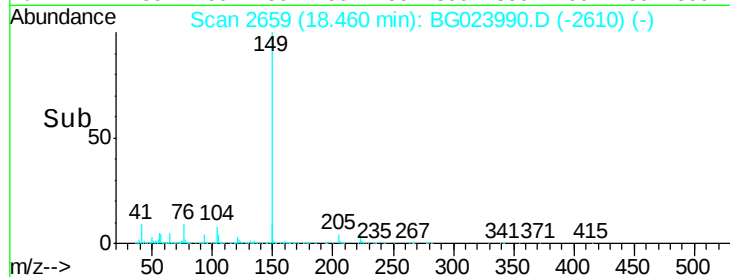
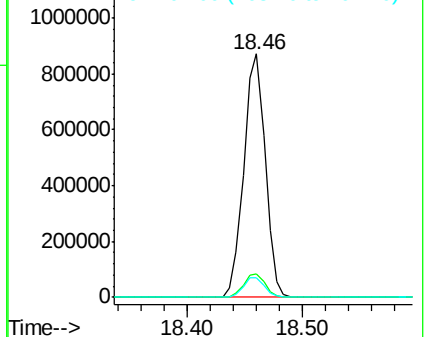
149 100

150 9.8 9.1 13.7

104 8.2 6.9 10.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.75 ng

RT: 19.57 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

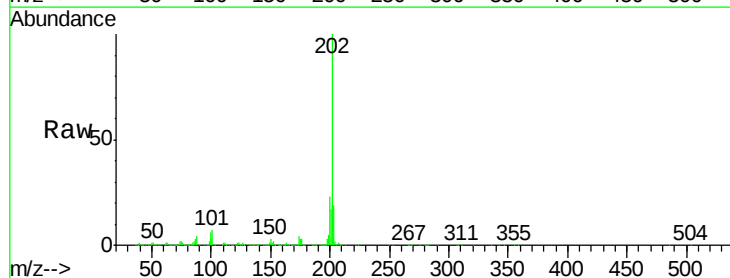
Tgt Ion:202 Resp: 1275483

Ion Ratio Lower Upper

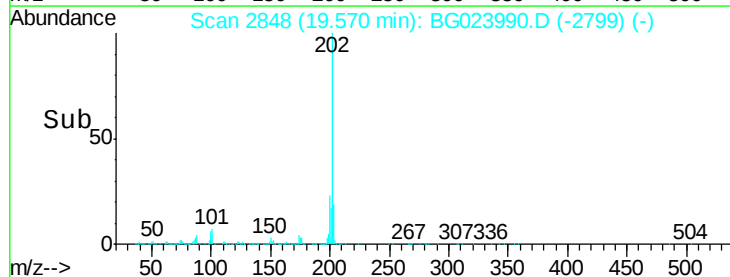
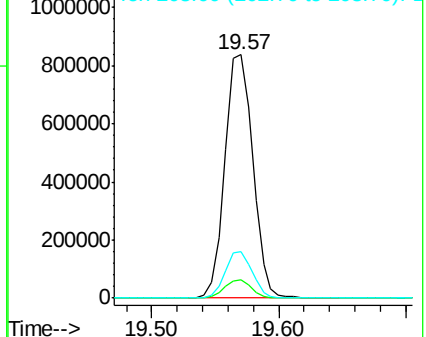
202 100

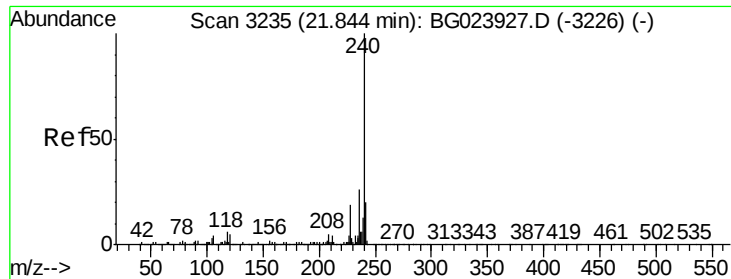
101 7.4 0.0 27.4

203 19.0 1.7 41.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

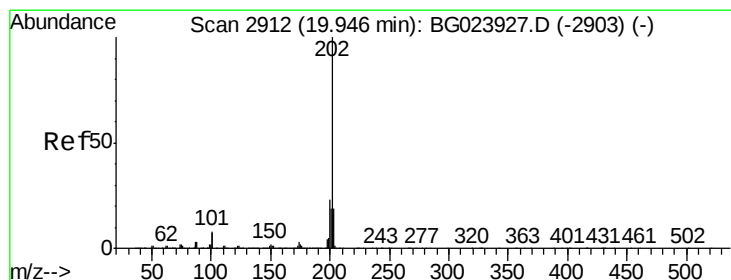
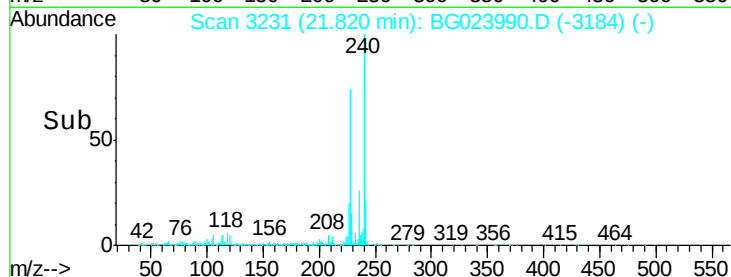
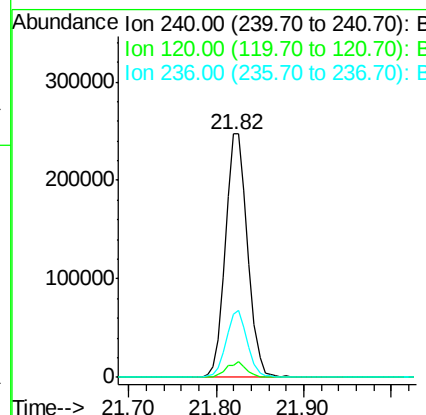
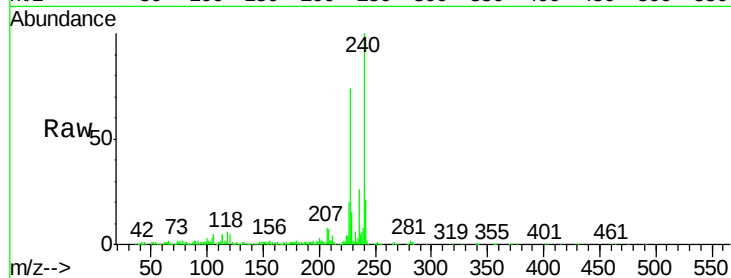




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.82 min Scan# 3231
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

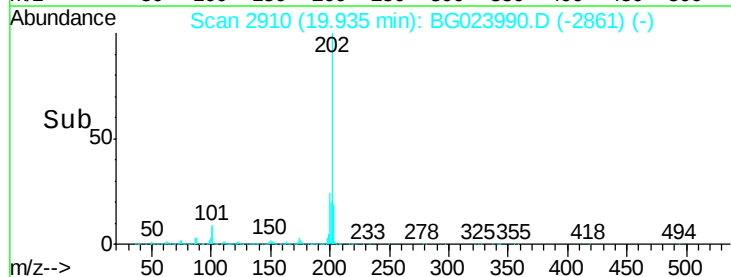
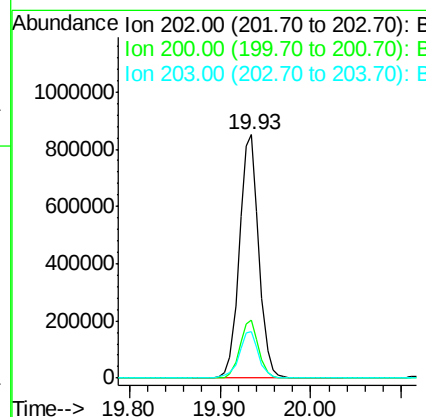
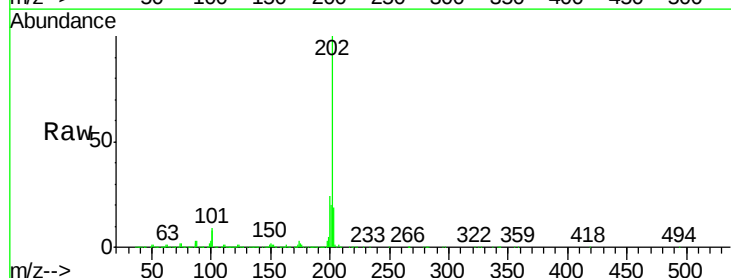
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

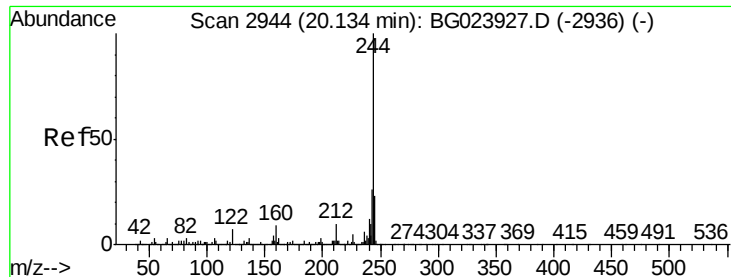
Tgt Ion:240 Resp: 431960
 Ion Ratio Lower Upper
 240 100
 120 5.1 4.1 6.1
 236 25.7 21.1 31.7



#77
 Pyrene
 Concen: 47.66 ng
 RT: 19.93 min Scan# 2910
 Delta R.T. -0.01 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion:202 Resp: 1266094
 Ion Ratio Lower Upper
 202 100
 200 23.7 21.2 31.8
 203 19.3 16.8 25.2





#78

Terphenyl-d14

Concen: 92.01 ng

RT: 20.12 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

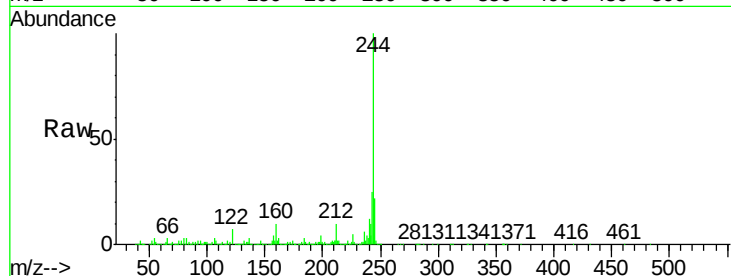
Tgt Ion:244 Resp: 1745151

Ion Ratio Lower Upper

244 100

212 10.4 10.8 16.2#

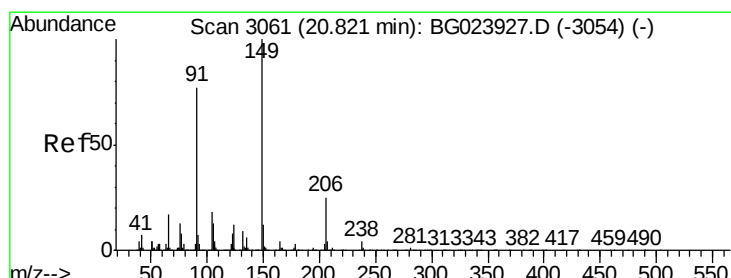
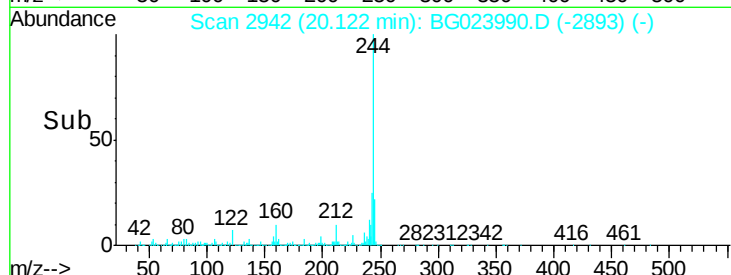
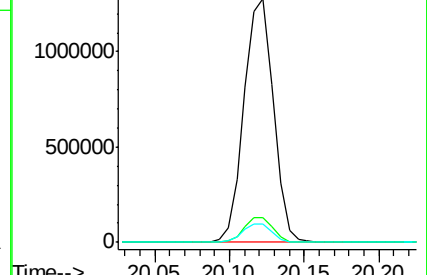
122 7.3 8.0 12.0#



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: 48.17 ng

RT: 20.80 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

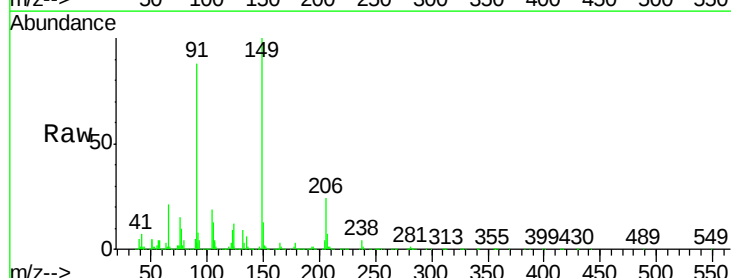
Tgt Ion:149 Resp: 493364

Ion Ratio Lower Upper

149 100

91 87.7 68.1 102.1

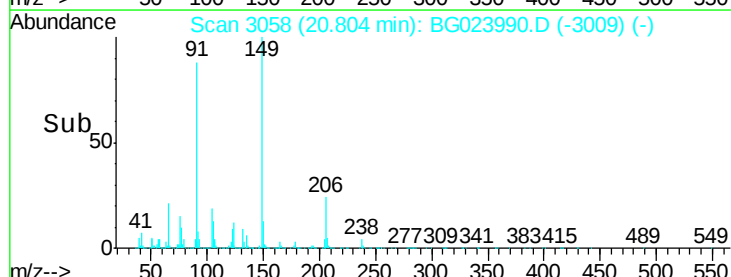
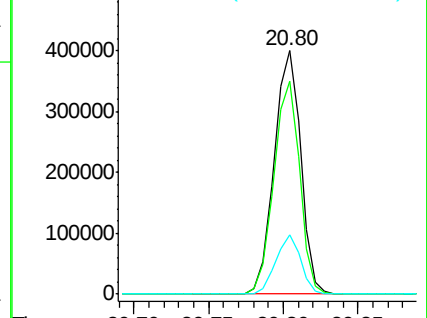
206 24.4 19.8 29.6

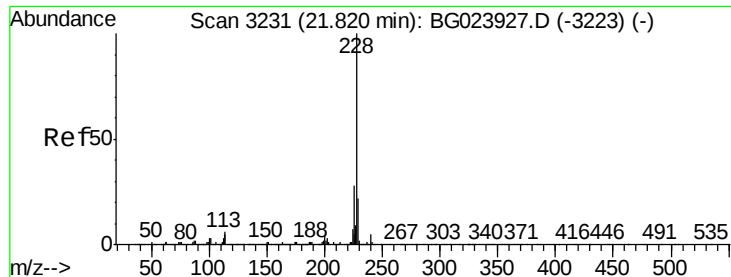


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 50.73 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

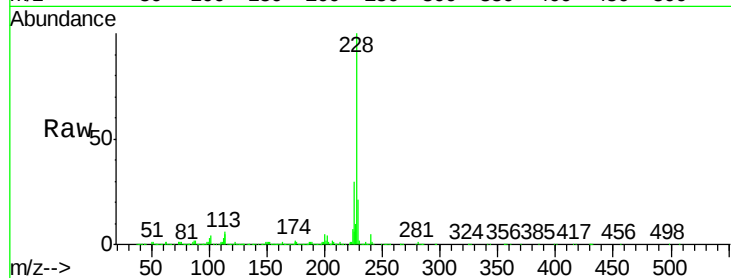
BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

Tgt Ion:228 Resp: 1226778

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.3	37.9
229	21.2	19.9	29.9

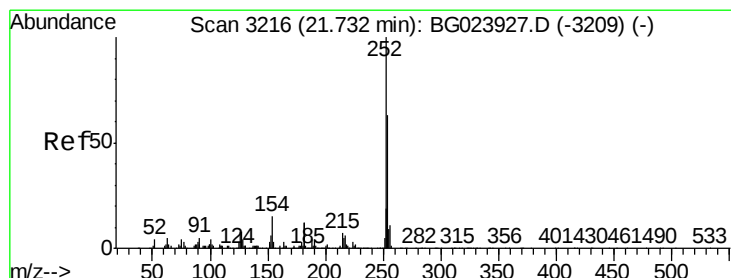
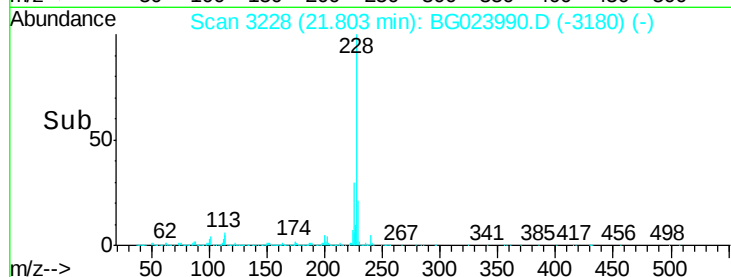
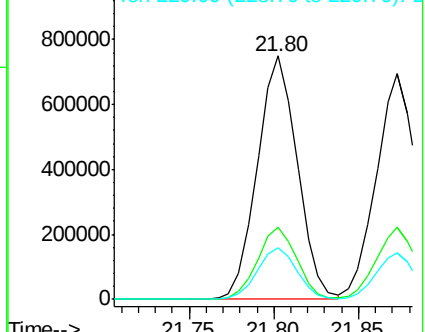


Abundance

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



#81

3,3'-Dichlorobenzidine

Concen: 13.93 ng

RT: 21.72 min Scan# 3214

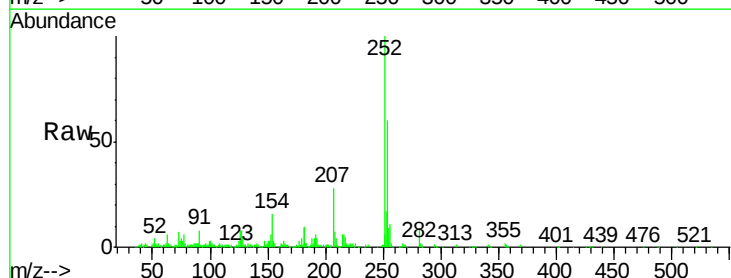
Delta R.T. -0.01 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Tgt Ion:252 Resp: 134643

Ion	Ratio	Lower	Upper
252	100		
254	60.4	51.2	76.8
126	8.0	5.3	7.9

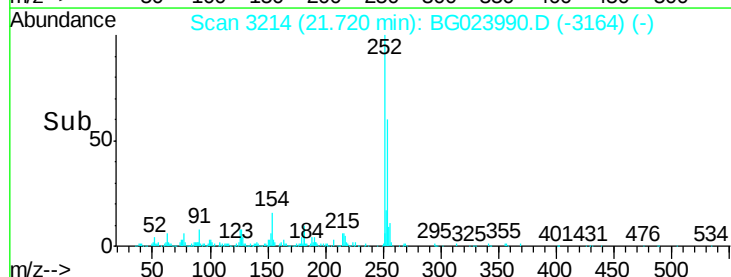
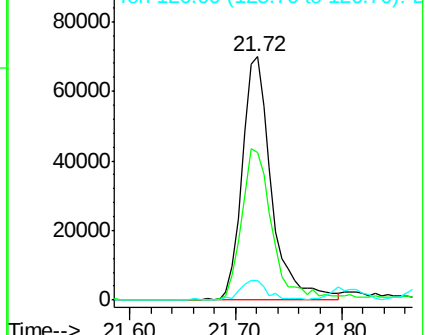


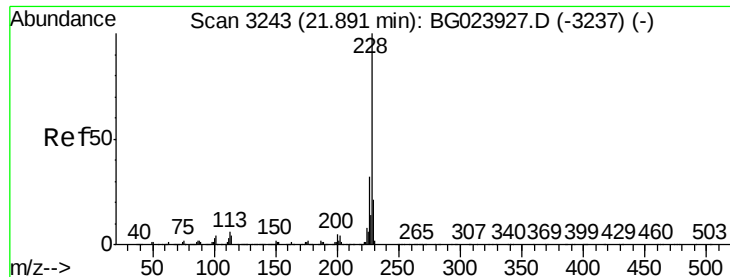
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 50.30 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

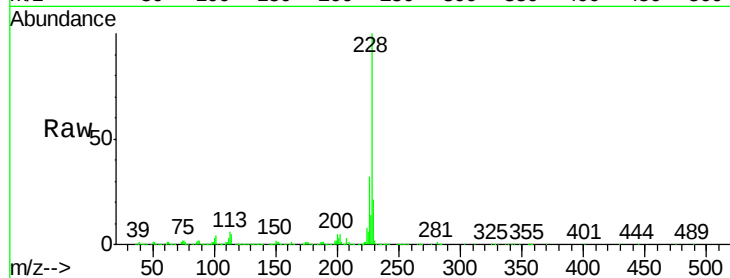
Tgt Ion:228 Resp: 1157658

Ion Ratio Lower Upper

228 100

226 31.8 26.7 40.1

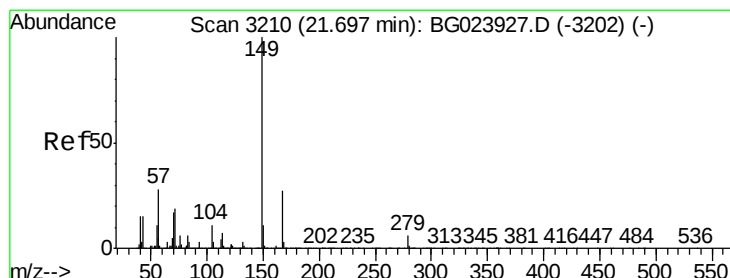
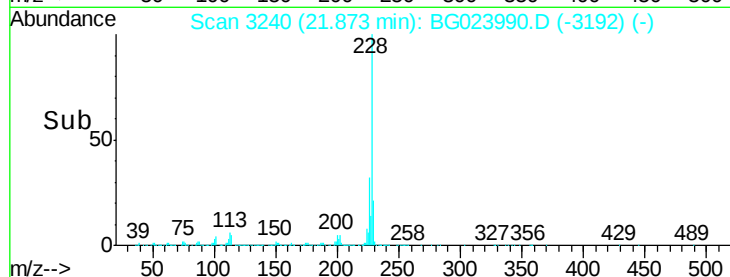
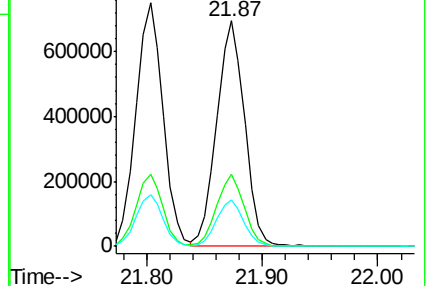
229 20.8 17.4 26.2



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: 48.40 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

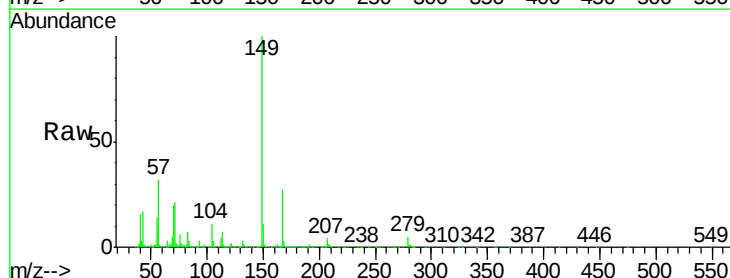
Tgt Ion:149 Resp: 678719

Ion Ratio Lower Upper

149 100

167 26.8 24.0 36.0

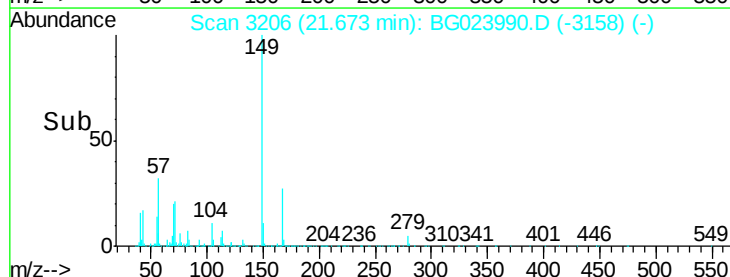
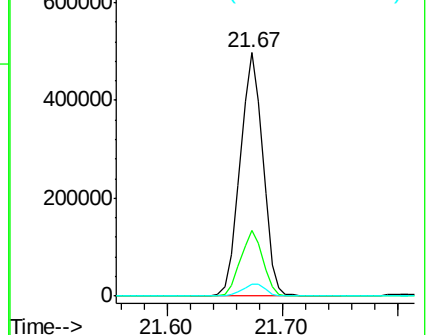
279 4.9 4.8 7.2

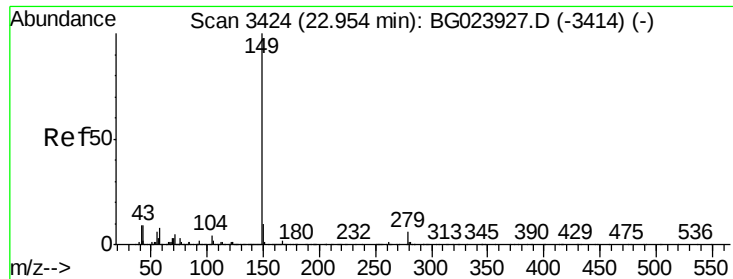


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

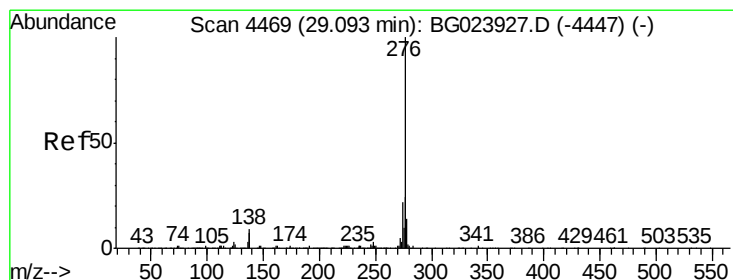
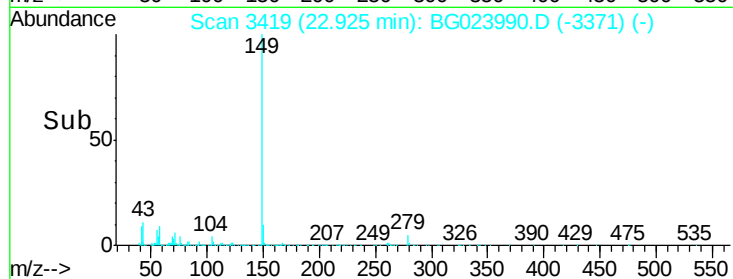
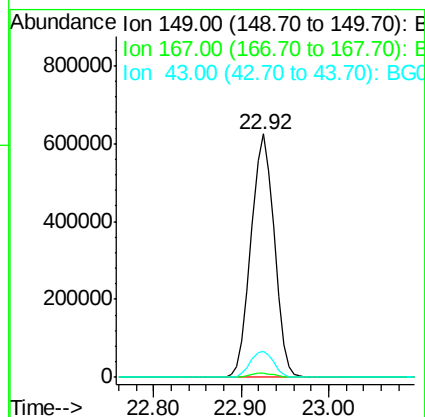
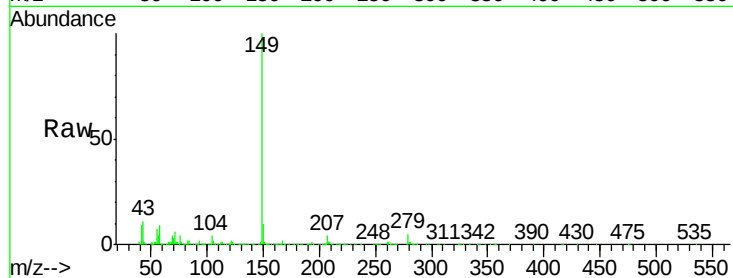




#84
Di-n-octyl phthalate
Concen: 48.67 ng
RT: 22.92 min Scan# 3419
Delta R.T. -0.02 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

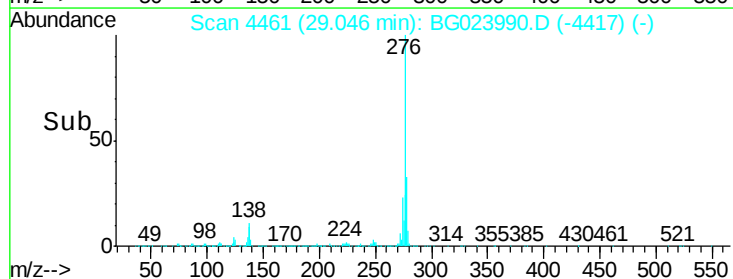
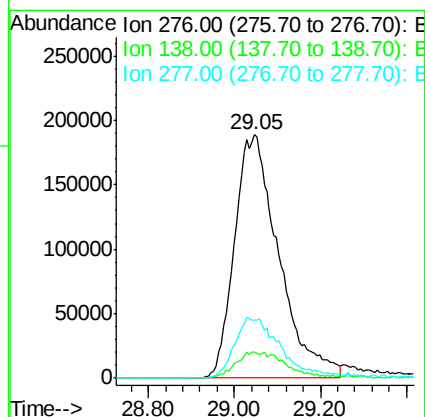
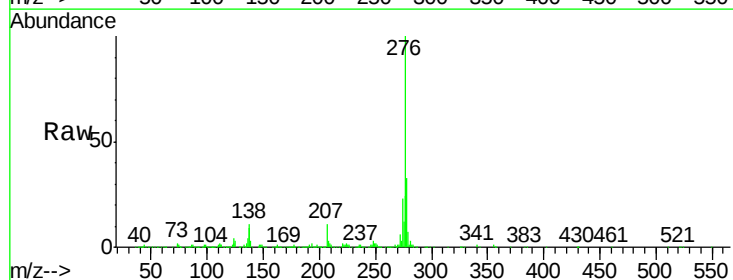
Instrument :
BNA_G
ClientSampleId :
HSR-WC-69-091216MSD

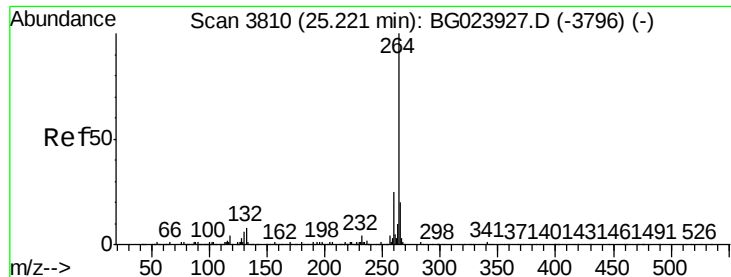
Tgt Ion:149 Resp: 1119379
Ion Ratio Lower Upper
149 100
167 1.7 1.5 2.3
43 10.9 8.8 13.2



#85
Indeno(1,2,3-cd)pyrene
Concen: 53.23 ng
RT: 29.05 min Scan# 4461
Delta R.T. -0.04 min
Lab File: BG023990.D
Acq: 14 Sep 2016 20:20

Tgt Ion:276 Resp: 1356479
Ion Ratio Lower Upper
276 100
138 5.6 0.0 0.0#
277 9.9 0.0 0.0#

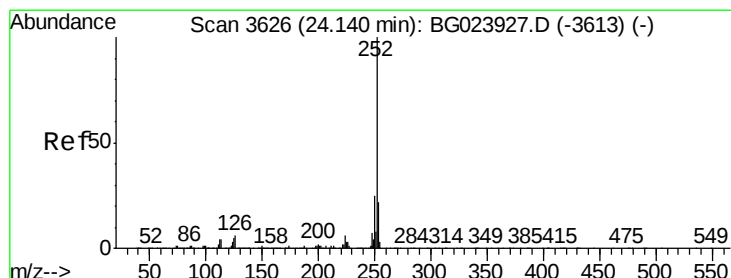
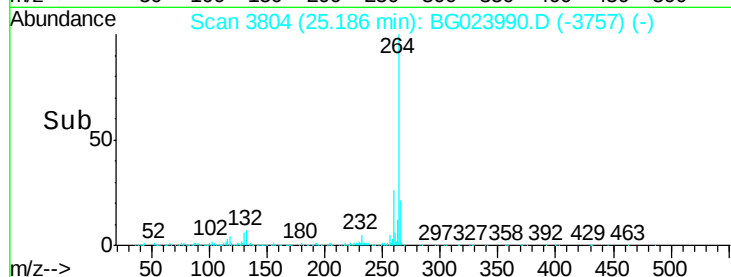
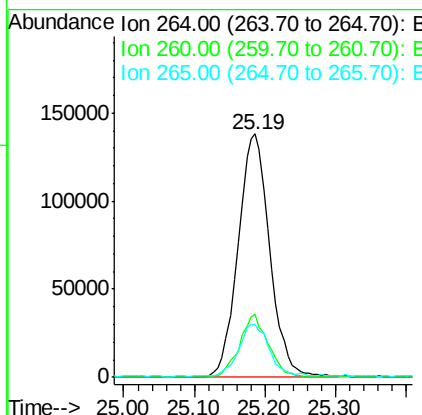
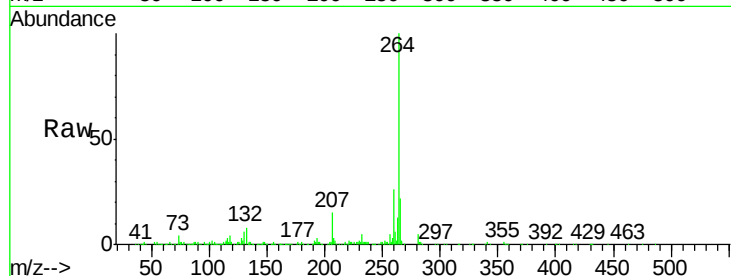




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.19 min Scan# 3804
 Delta R.T. -0.02 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

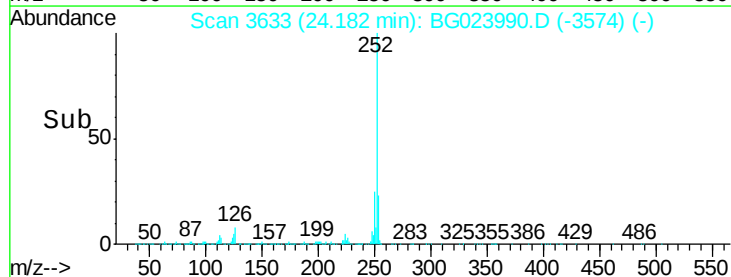
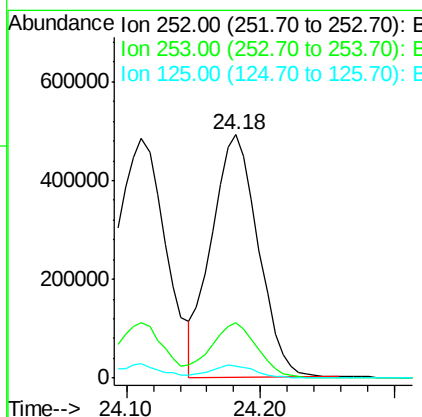
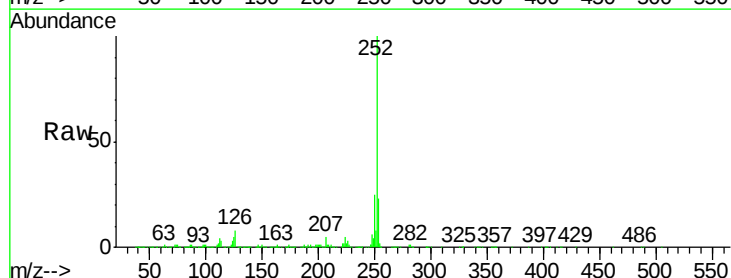
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-69-091216MSD

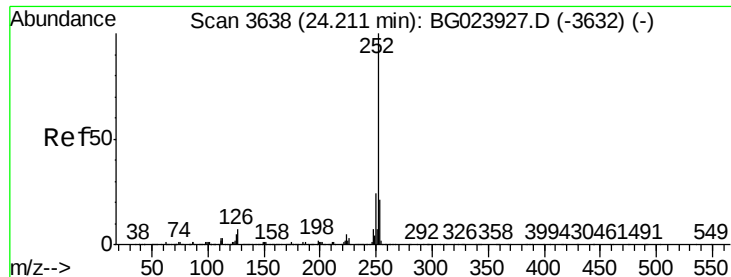
Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	18.4	27.6
265	21.9	18.9	28.3



#87
 Benzo(b)fluoranthene
 Concen: 49.16 ng
 RT: 24.18 min Scan# 3633
 Delta R.T. 0.05 min
 Lab File: BG023990.D
 Acq: 14 Sep 2016 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	4.8	3.9	5.9





#88

Benzo(k)fluoranthene

Concen: 49.58 ng

RT: 24.18 min Scan# 3633

Delta R.T. -0.02 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

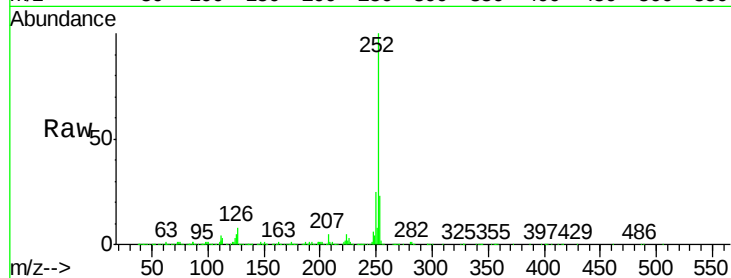
Tgt Ion:252 Resp: 1200882

Ion Ratio Lower Upper

252 100

253 22.9 18.8 28.2

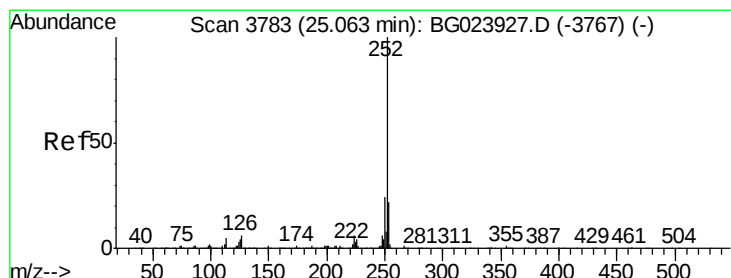
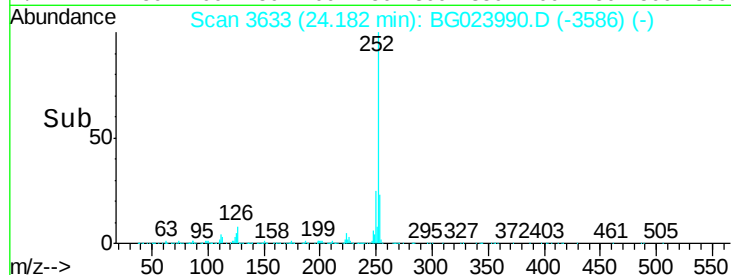
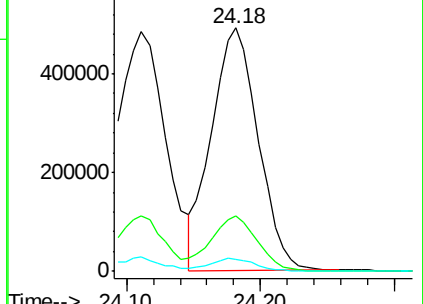
125 4.8 3.2 4.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 52.60 ng

RT: 25.02 min Scan# 3776

Delta R.T. -0.03 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

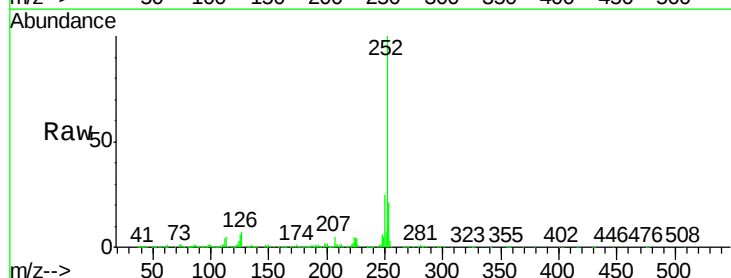
Tgt Ion:252 Resp: 1220312

Ion Ratio Lower Upper

252 100

253 21.0 18.7 28.1

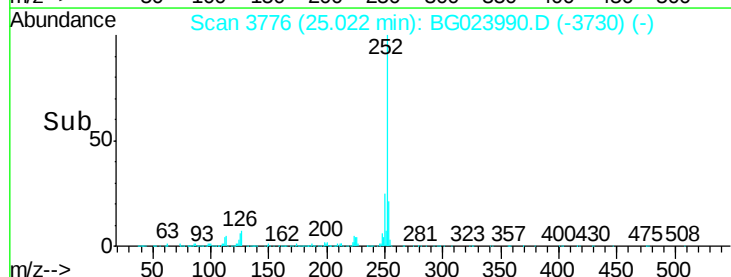
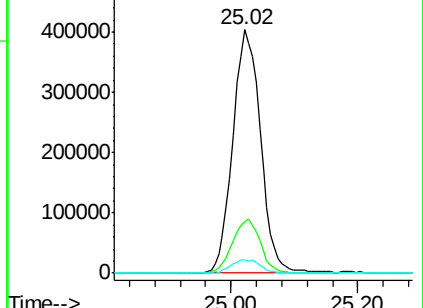
125 5.7 3.9 5.9

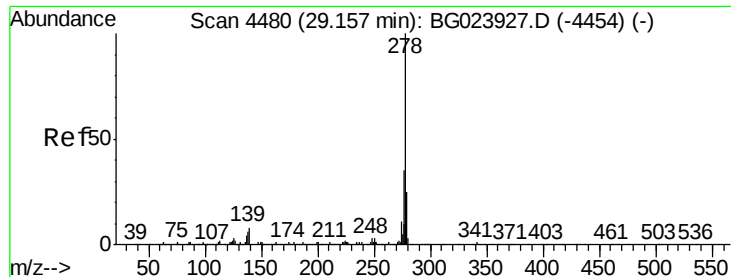


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 49.17 ng

RT: 29.10 min Scan# 4471

Delta R.T. -0.04 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

Instrument :

BNA_G

ClientSampleId :

HSR-WC-69-091216MSD

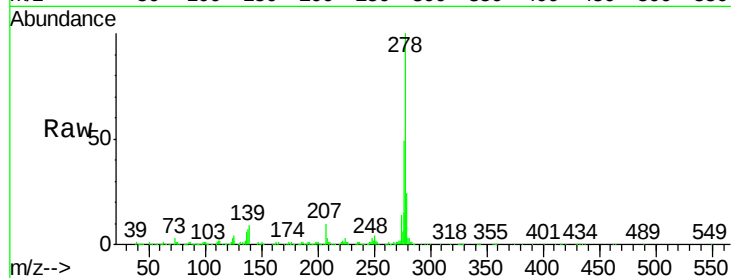
Tgt Ion:278 Resp: 1121761

Ion Ratio Lower Upper

278 100

139 8.5 4.7 7.1#

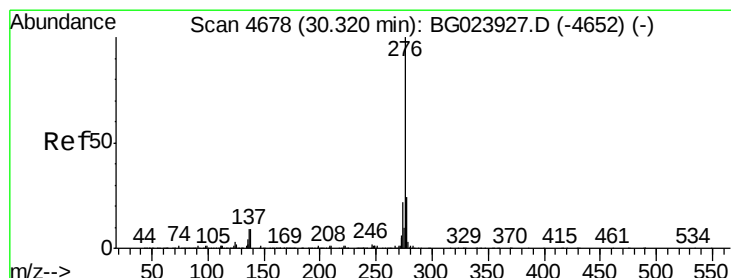
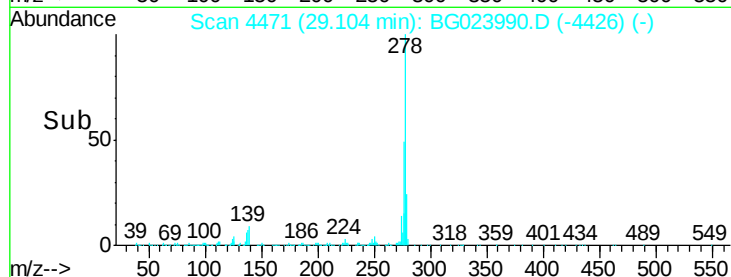
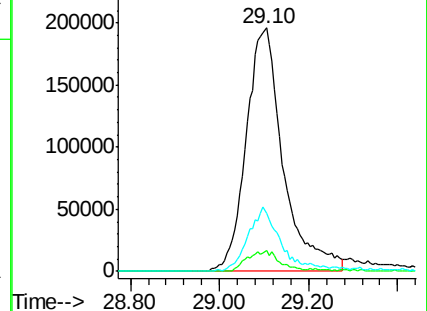
279 23.8 18.3 27.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 49.91 ng

RT: 30.25 min Scan# 4666

Delta R.T. -0.05 min

Lab File: BG023990.D

Acq: 14 Sep 2016 20:20

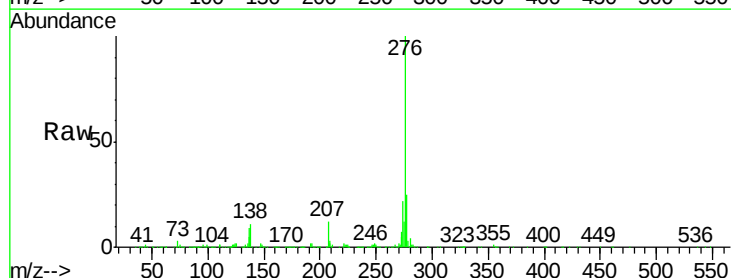
Tgt Ion:276 Resp: 1094905

Ion Ratio Lower Upper

276 100

277 24.9 18.6 27.8

138 11.5 6.8 10.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

