

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060315\
 Data File : BG017430.D
 Acq On : 4 Jun 2015 6:17
 Operator : TP/IZ
 Sample : G2420-02MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Quant Time: Jun 04 07:04:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 06:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	17231	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	71142	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	49204	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	120222	20.00	ng	0.00
75) Chrysene-d12	21.23	240	152955	20.00	ng	0.00
86) Perylene-d12	23.47	264	144957	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	97040	99.22	ng	0.00
7) Phenol-d6	6.83	99	130779	98.15	ng	0.00
23) Nitrobenzene-d5	8.79	82	93488	65.60	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	64854	94.90	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	207318	63.56	ng	0.00
78) Terphenyl-d14	19.68	244	440633	59.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	9337	21.21	ng	# 84
3) Pyridine	3.48	79	22752	19.35	ng	91
4) n-Nitrosodimethylamine	3.40	42	23657	30.70	ng	# 87
6) Aniline	6.96	93	37475	20.95	ng	96
8) 2-Chlorophenol	7.20	128	35625	30.80	ng	98
9) Benzaldehyde	6.77	77	4262	4.71	ng	91
10) Phenol	6.86	94	45784	33.45	ng	93
11) bis(2-Chloroethyl)ether	7.06	93	34586	33.17	ng	99
12) 1,3-Dichlorobenzene	7.51	146	37415	28.94	ng	93
13) 1,4-Dichlorobenzene	7.66	146	37064	27.36	ng	97
14) 1,2-Dichlorobenzene	7.97	146	35980	28.37	ng	91
15) Benzyl Alcohol	7.87	79	37518	30.24	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.17	45	51703	29.42	ng	97
17) 2-Methylphenol	8.10	107	33227	32.00	ng	92
18) Hexachloroethane	8.70	117	15514	28.70	ng	89
19) n-Nitroso-di-n-propylamine	8.44	70	32041	28.42	ng	95
20) 3+4-Methylphenols	8.43	107	43855	30.52	ng	94
22) Acetophenone	8.45	105	56085	32.16	ng	# 97
24) Nitrobenzene	8.83	77	47924	32.39	ng	97
25) Isophorone	9.35	82	86075	28.88	ng	96
26) 2-Nitrophenol	9.54	139	21366	31.14	ng	98
27) 2,4-Dimethylphenol	9.62	122	32629	29.25	ng	92
28) bis(2-Chloroethoxy)methane	9.84	93	44141	32.42	ng	98
29) 2,4-Dichlorophenol	10.09	162	36979	34.01	ng	96
30) 1,2,4-Trichlorobenzene	10.29	180	38889	30.42	ng	94
31) Naphthalene	10.47	128	111644	30.04	ng	98
32) Benzoic acid	9.62	122	32575	46.18	ng	# 17
33) 4-Chloroaniline	10.59	127	37302	22.62	ng	# 94
34) Hexachlorobutadiene	10.75	225	25213	30.30	ng	96
35) Caprolactam	11.36	113	3944	6.59	ng	# 79
36) 4-Chloro-3-methylphenol	11.74	107	44425	31.40	ng	94
37) 2-Methylnaphthalene	12.09	142	90508	31.68	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.47	216	45570	30.44	ng	96
40) Hexachlorocyclopentadiene	12.44	237	44514	52.90	ng	97

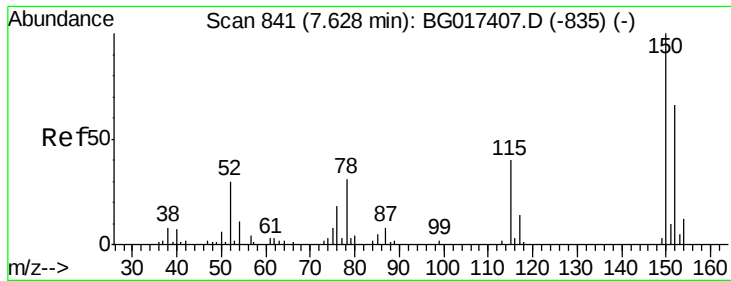
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060315\
 Data File : BG017430.D
 Acq On : 4 Jun 2015 6:17
 Operator : TP/IZ
 Sample : G2420-02MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Quant Time: Jun 04 07:04:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 06:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.72	196	30720	28.65	ng	94
43) 2,4,5-Trichlorophenol	12.80	196	33167	28.24	ng	93
45) 1,1'-Biphenyl	13.12	154	113554	31.58	ng	98
46) 2-Chloronaphthalene	13.15	162	90080	29.96	ng	93
47) 2-Nitroaniline	13.38	65	33782	30.42	ng	93
48) Acenaphthylene	14.01	152	153604	29.00	ng	97
49) Dimethylphthalate	13.75	163	144370	33.71	ng	99
50) 2,6-Dinitrotoluene	13.88	165	28727	29.85	ng	93
51) Acenaphthene	14.35	154	91279	29.23	ng	98
52) 3-Nitroaniline	14.21	138	26167	25.11	ng	95
53) 2,4-Dinitrophenol	14.42	184	9578	21.49	ng	98
54) Dibenzofuran	14.69	168	140497	30.50	ng	97
55) 4-Nitrophenol	14.56	139	47221	57.02	ng	98
56) 2,4-Dinitrotoluene	14.67	165	43067	31.42	ng	99
57) Fluorene	15.34	166	125571	30.06	ng	100
58) 2,3,4,6-Tetrachlorophenol	14.93	232	31021	28.96	ng	98
59) Diethylphthalate	15.12	149	135930	29.24	ng	98
60) 4-Chlorophenyl-phenylether	15.34	204	65308	30.85	ng	99
61) 4-Nitroaniline	15.38	138	35185	30.66	ng	95
62) Azobenzene	15.63	77	137664	31.16	ng	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	20456	22.95	ng	99
65) n-Nitrosodiphenylamine	15.56	169	109928	30.66	ng	94
66) 4-Bromophenyl-phenylether	16.23	248	41146	30.92	ng	94
67) Hexachlorobenzene	16.35	284	44224	30.91	ng	99
68) Atrazine	16.52	200	48120	30.49	ng	96
69) Pentachlorophenol	16.70	266	41423	49.55	ng	92
70) Phenanthrene	17.09	178	204448	30.50	ng	98
71) Anthracene	17.17	178	206509	30.84	ng	97
72) Carbazole	17.45	167	204840	30.98	ng	98
73) Di-n-butylphthalate	18.01	149	266260	31.45	ng	99
74) Fluoranthene	19.11	202	278073	31.72	ng	99
76) Benzidine	19.30	184	81093	15.43	ng	98
77) Pyrene	19.47	202	285612	30.31	ng	99
79) Butylbenzylphthalate	20.38	149	125946	30.89	ng	99
80) Benzo(a)anthracene	21.22	228	284217	30.21	ng	99
81) 3,3'-Dichlorobenzidine	21.16	252	76756	21.84	ng	97
82) Chrysene	21.27	228	261153	30.66	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	183289	31.17	ng	96
84) Di-n-octyl phthalate	22.02	149	308697	31.31	ng	100
85) Indeno(1,2,3-cd)pyrene	25.75	276	317990	29.73	ng	99
87) Benzo(b)fluoranthene	22.80	252	282821	30.79	ng	98
88) Benzo(k)fluoranthene	22.84	252	272899	31.04	ng	99
89) Benzo(a)pyrene	23.37	252	268606	31.88	ng	98
90) Dibenzo(a,h)anthracene	25.76	278	267158	30.52	ng	96
91) Benzo(g,h,i)perylene	26.44	276	255266	30.64	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.63 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

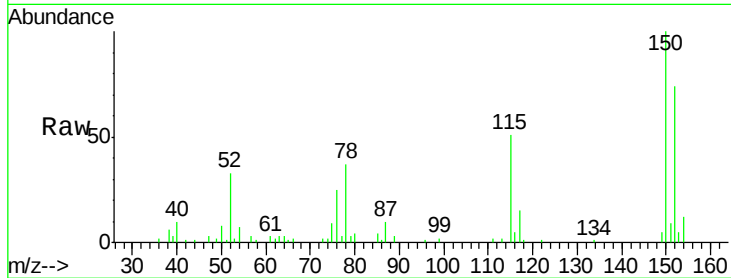
Tgt Ion:152 Resp: 17231

Ion Ratio Lower Upper

152 100

150 135.7 121.7 182.5

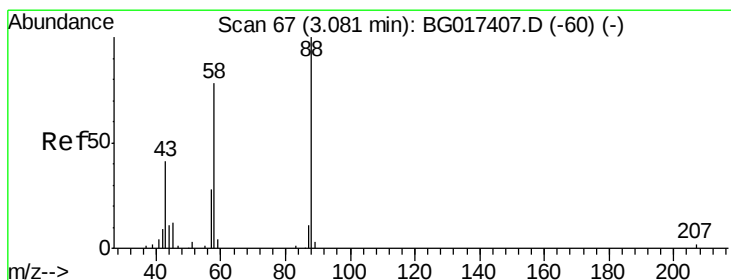
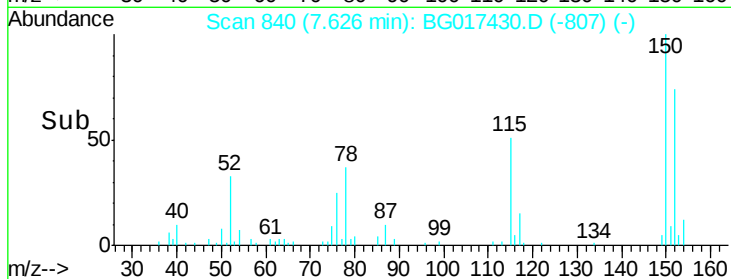
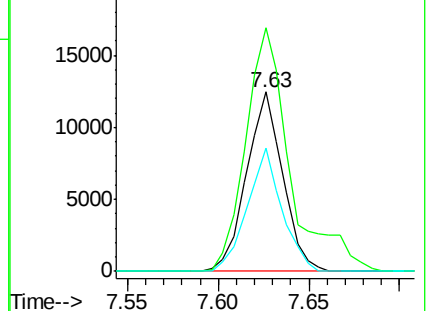
115 68.9 48.6 73.0



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: 21.21 ng

RT: 3.08 min Scan# 66

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

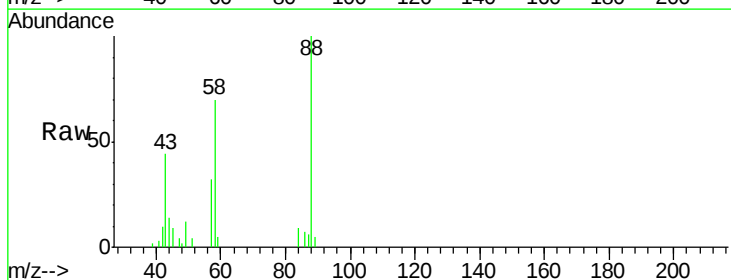
Tgt Ion: 88 Resp: 9337

Ion Ratio Lower Upper

88 100

58 84.5 59.0 88.6

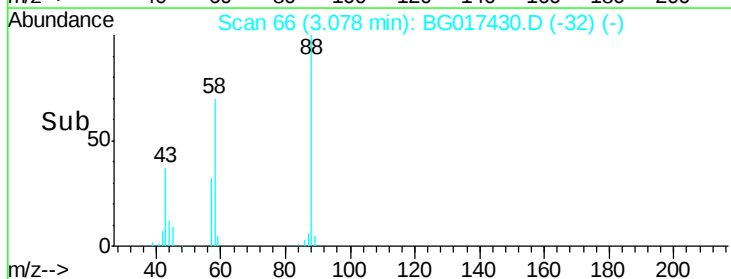
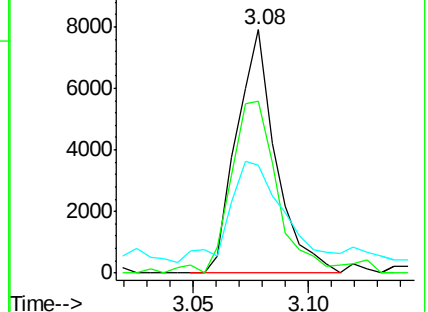
43 57.1 34.5 51.7#

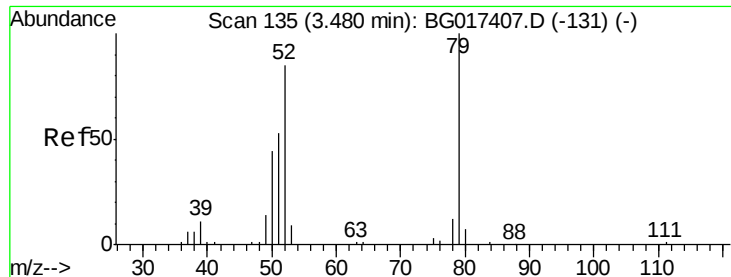


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 19.35 ng

RT: 3.48 min Scan# 134

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

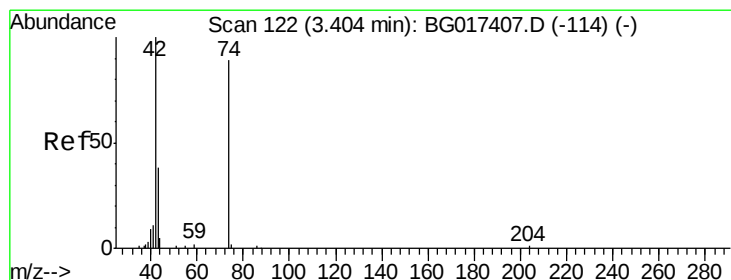
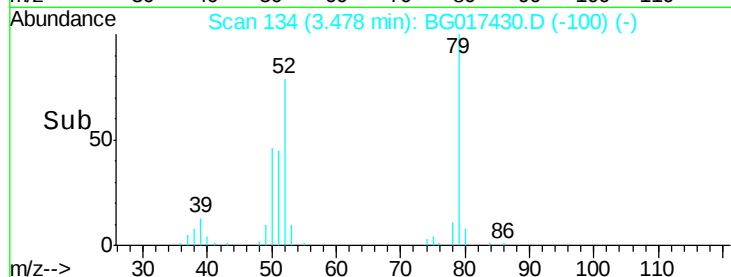
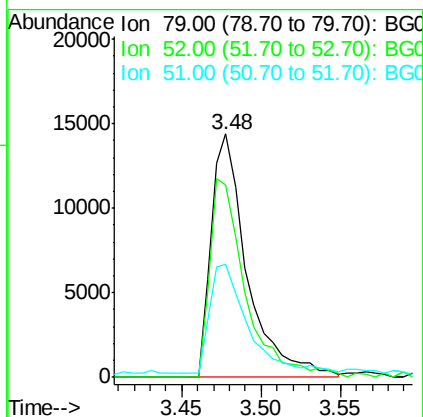
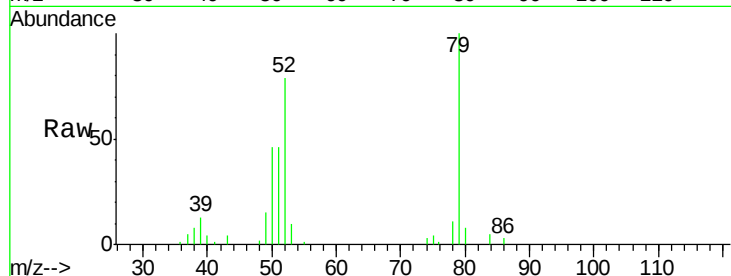
Tgt Ion: 79 Resp: 22752

Ion Ratio Lower Upper

79 100

52 79.2 68.3 102.5

51 46.3 45.0 67.4



#4

n-Nitrosodimethylamine

Concen: 30.70 ng

RT: 3.40 min Scan# 120

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

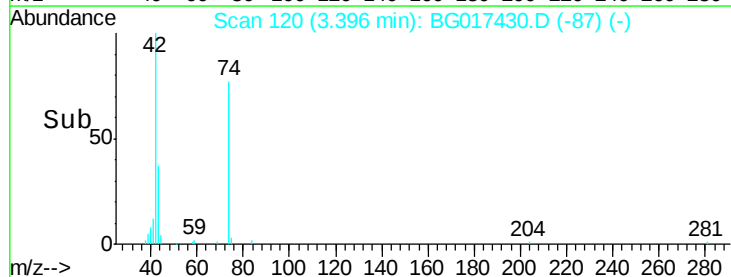
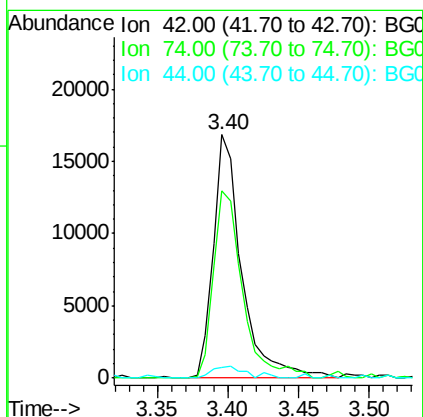
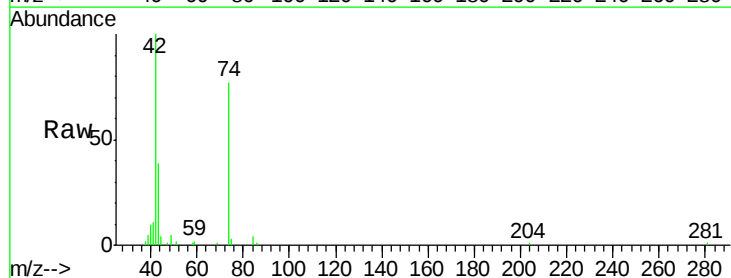
Tgt Ion: 42 Resp: 23657

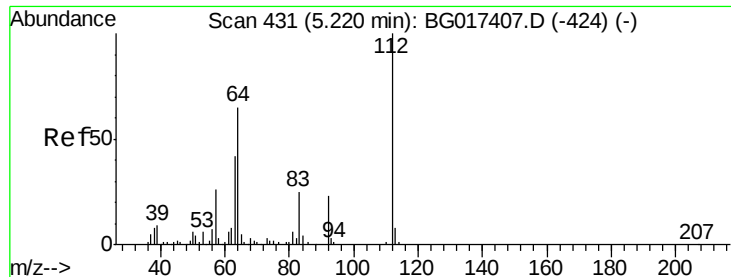
Ion Ratio Lower Upper

42 100

74 76.7 71.4 107.2

44 4.4 4.5 6.7#





#5

2-Fluorophenol

Concen: 99.22 ng

RT: 5.22 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

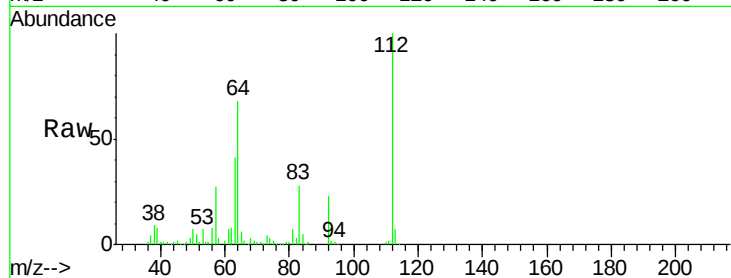
Tgt Ion:112 Resp: 97040

Ion Ratio Lower Upper

112 100

64 67.8 51.6 77.4

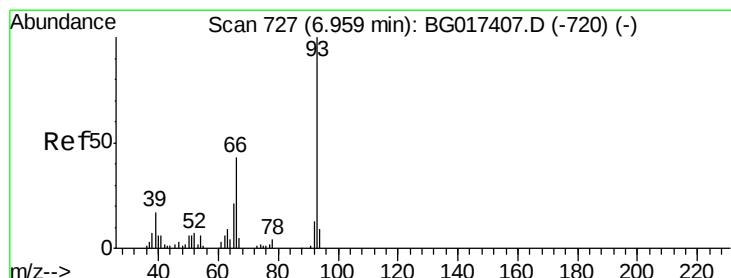
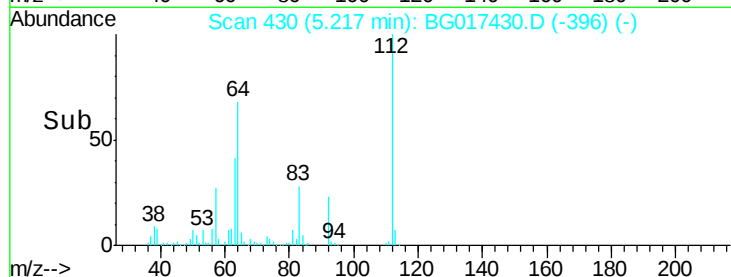
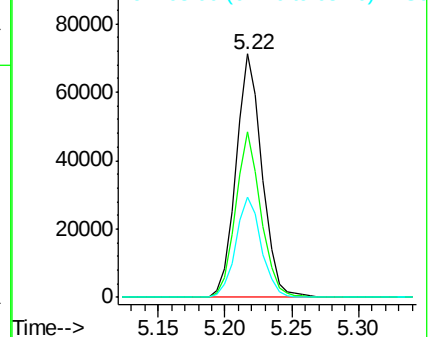
63 41.3 33.3 49.9



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: 20.95 ng

RT: 6.96 min Scan# 726

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

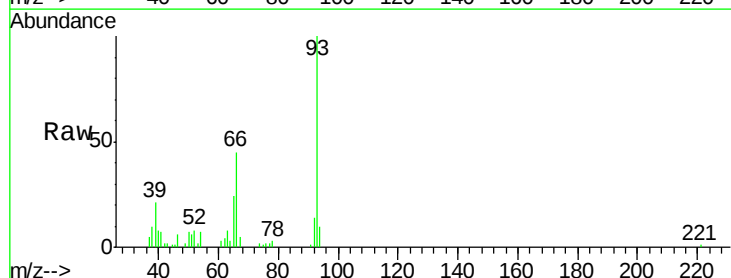
Tgt Ion: 93 Resp: 37475

Ion Ratio Lower Upper

93 100

66 45.2 34.3 51.5

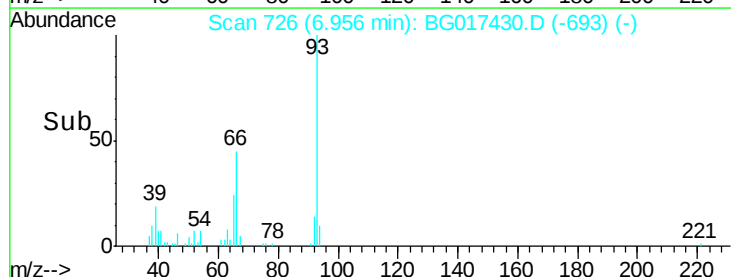
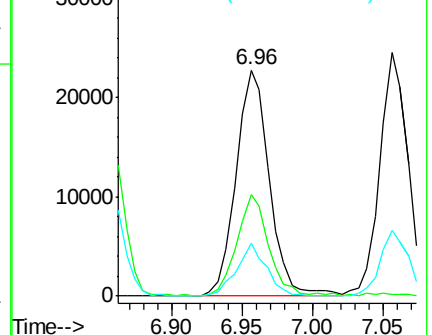
65 23.6 17.0 25.4

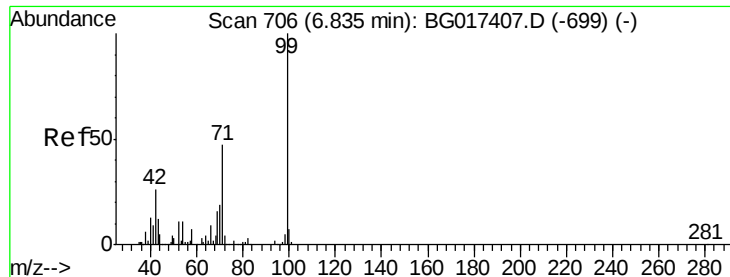


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 98.15 ng

RT: 6.83 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

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ClientSampleId :

PENRD8.1(4)MSD

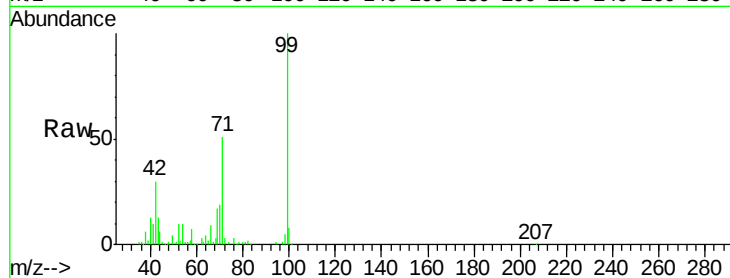
Tgt Ion: 99 Resp: 130779

Ion Ratio Lower Upper

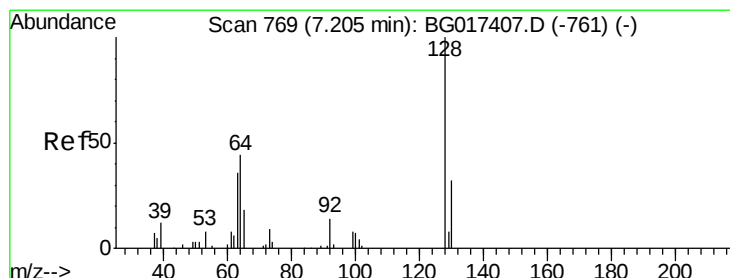
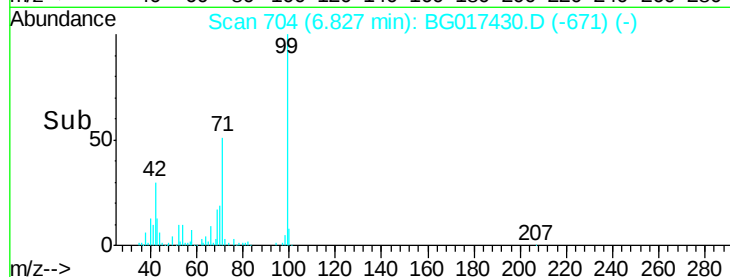
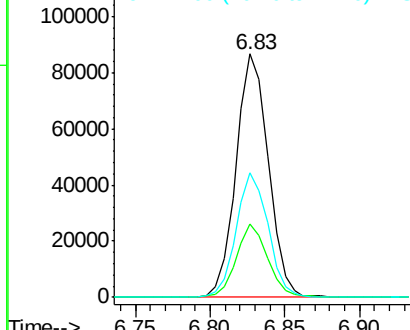
99 100

42 29.9 21.0 31.6

71 51.4 37.2 55.8



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: 30.80 ng

RT: 7.20 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

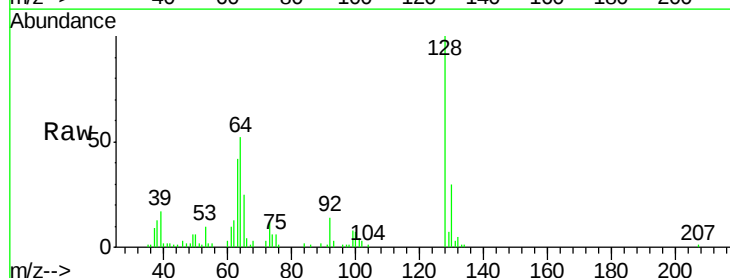
Tgt Ion: 128 Resp: 35625

Ion Ratio Lower Upper

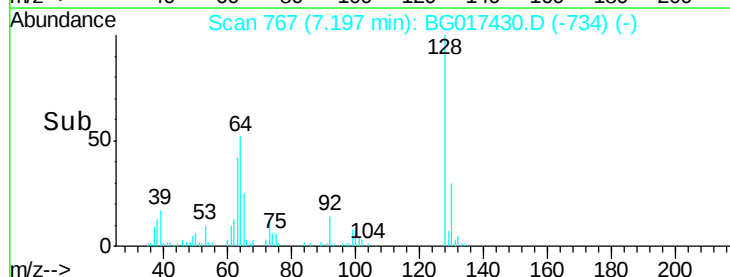
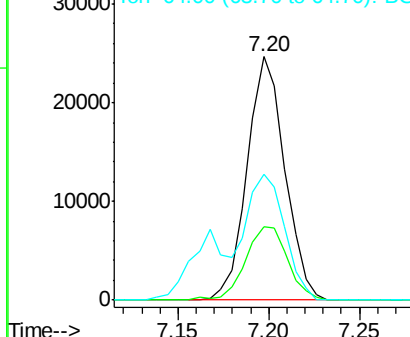
128 100

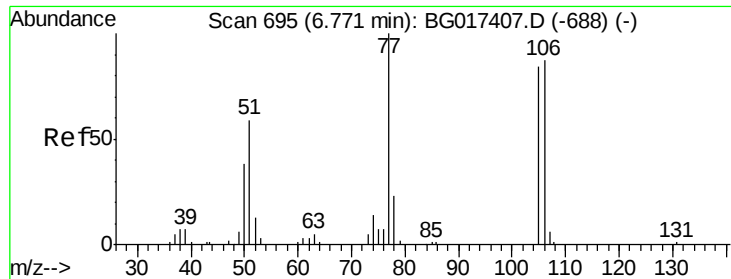
130 30.1 11.7 51.7

64 51.6 32.5 72.5



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: 4.71 ng

RT: 6.77 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

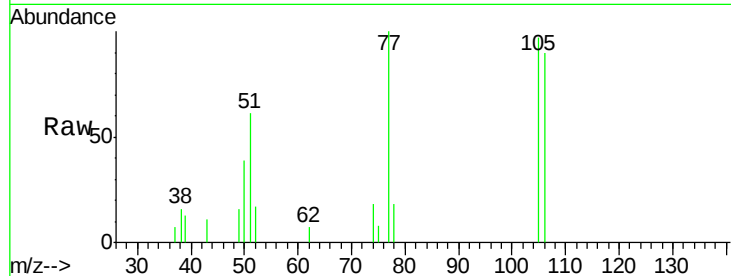
Tgt Ion: 77 Resp: 4262

Ion Ratio Lower Upper

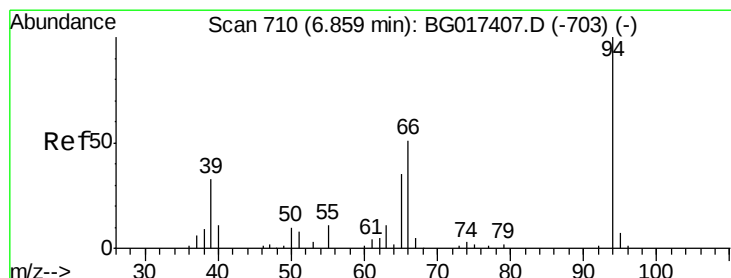
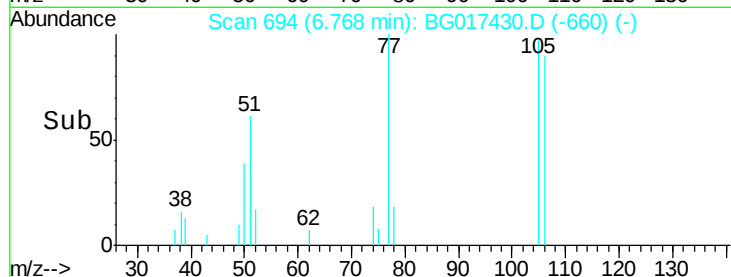
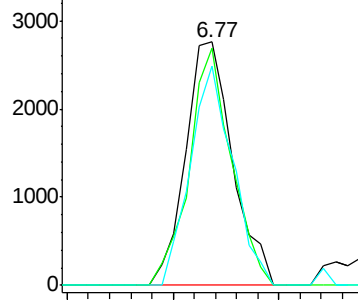
77 100

105 97.4 64.0 104.0

106 89.9 67.2 107.2



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: 33.45 ng

RT: 6.86 min Scan# 709

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

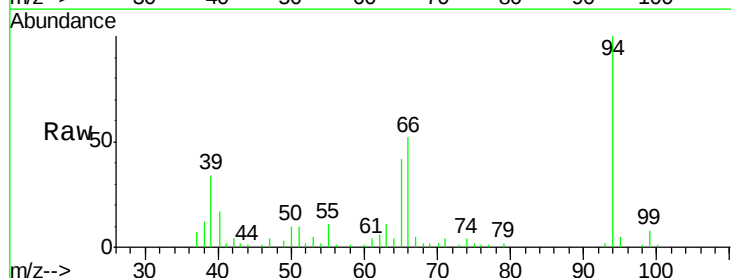
Tgt Ion: 94 Resp: 45784

Ion Ratio Lower Upper

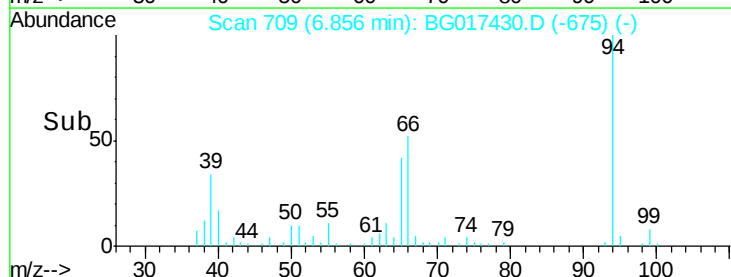
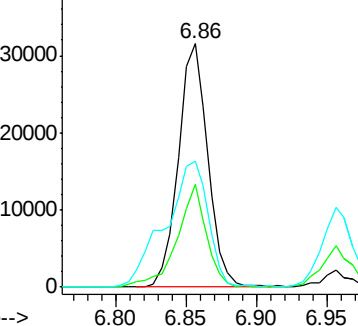
94 100

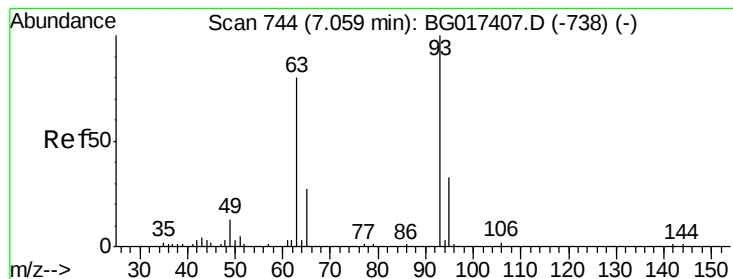
65 42.3 15.9 55.9

66 51.9 34.9 74.9



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: 33.17 ng

RT: 7.06 min Scan# 743

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

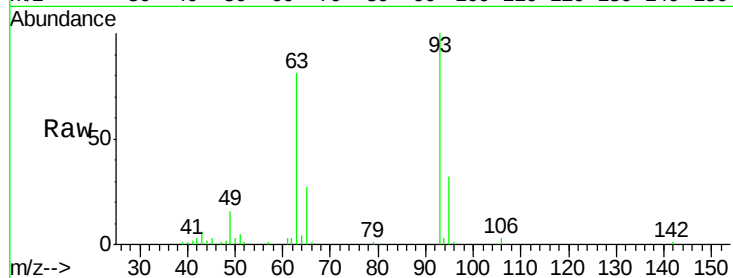
Tgt Ion: 93 Resp: 34586

Ion Ratio Lower Upper

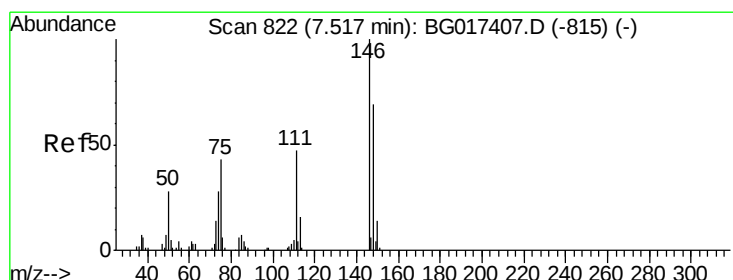
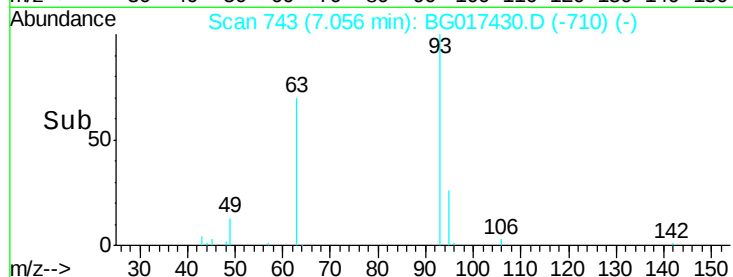
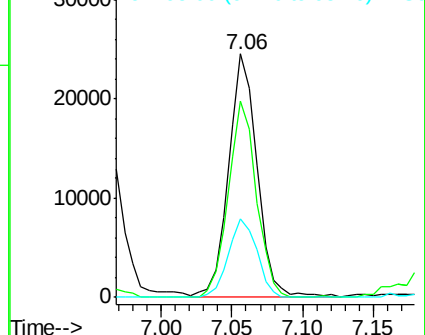
93 100

63 80.5 59.7 99.7

95 32.1 13.2 53.2



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 28.94 ng

RT: 7.51 min Scan# 821

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

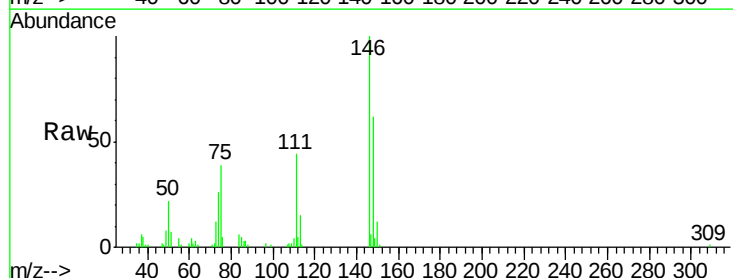
Tgt Ion: 146 Resp: 37415

Ion Ratio Lower Upper

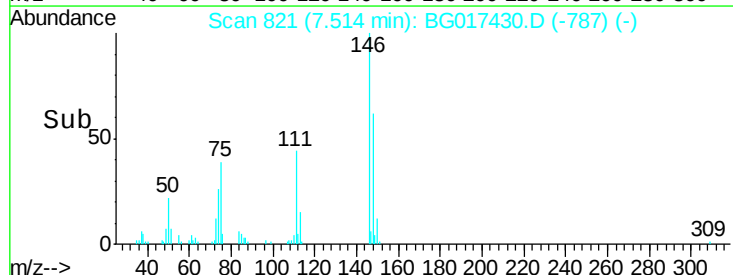
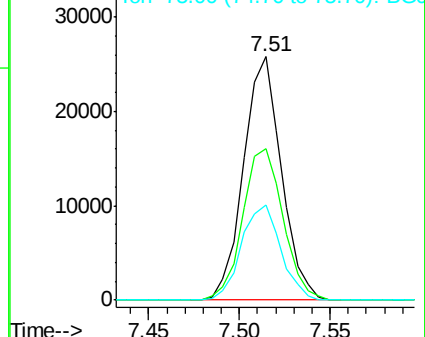
146 100

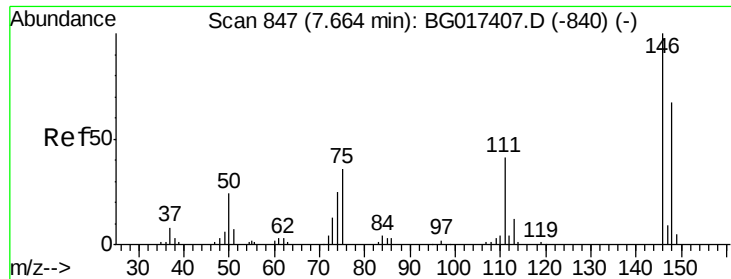
148 62.3 55.2 82.8

75 39.2 34.1 51.1



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

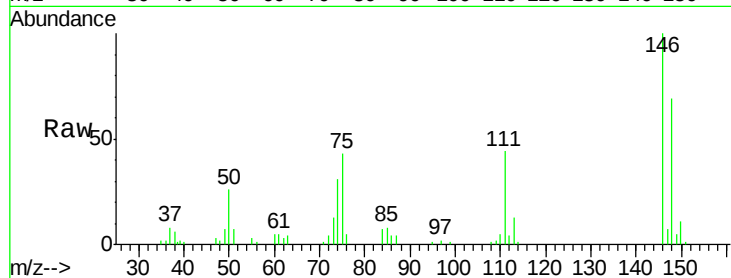




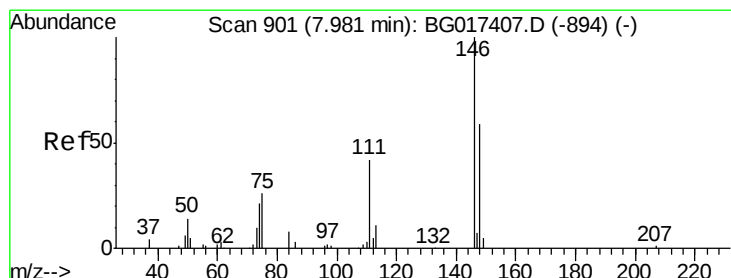
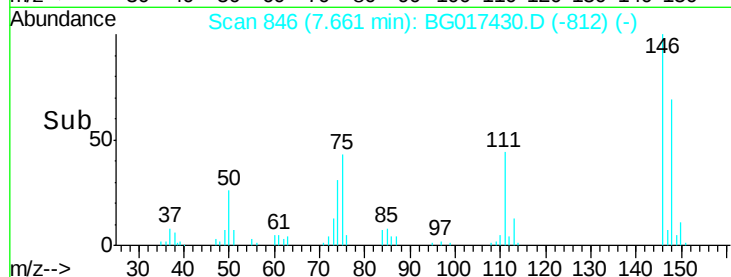
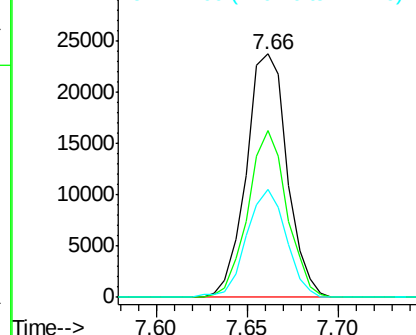
#13
 1,4-Dichlorobenzene
 Concen: 27.36 ng
 RT: 7.66 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:146 Resp: 37064
 Ion Ratio Lower Upper
 146 100
 148 68.8 53.2 79.8
 111 44.3 33.2 49.8

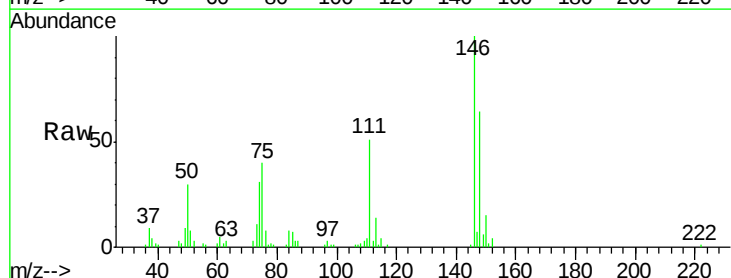


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

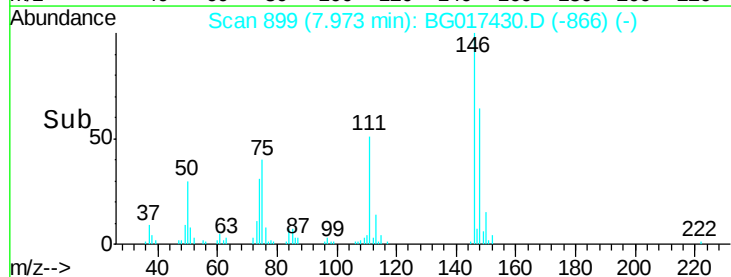
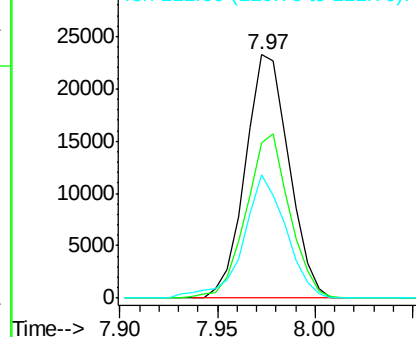


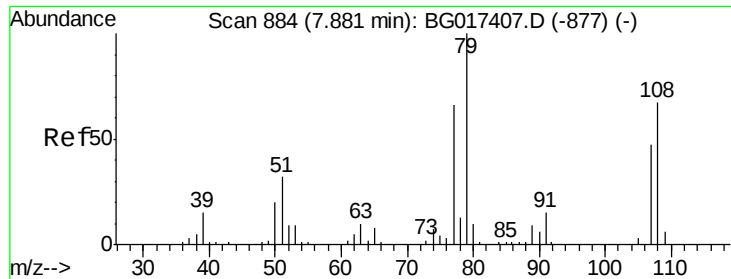
#14
 1,2-Dichlorobenzene
 Concen: 28.37 ng
 RT: 7.97 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:146 Resp: 35980
 Ion Ratio Lower Upper
 146 100
 148 63.7 46.9 70.3
 111 50.9 35.0 52.4



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: 30.24 ng

RT: 7.87 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

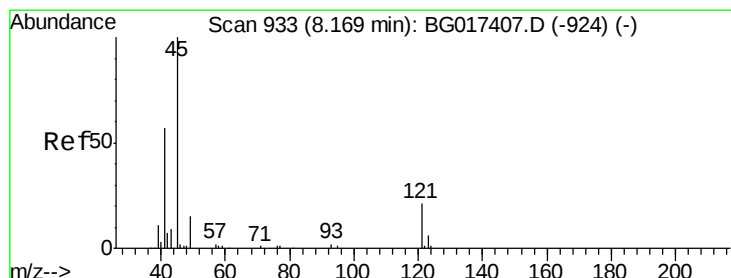
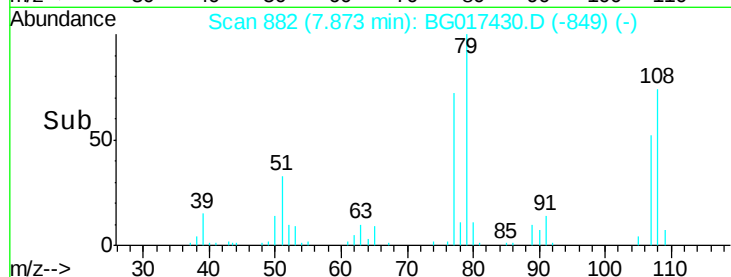
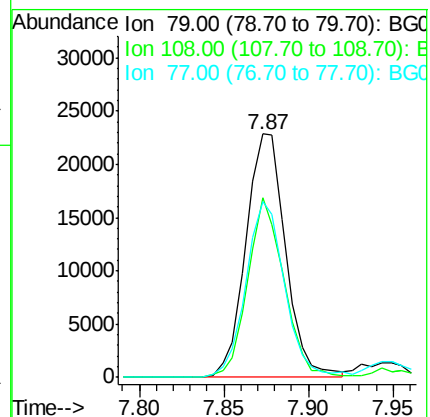
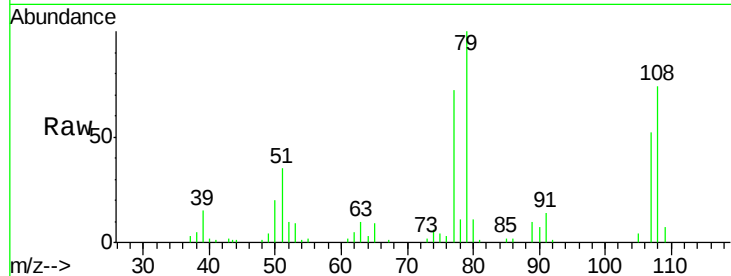
Tgt Ion: 79 Resp: 37518

Ion Ratio Lower Upper

79 100

108 73.5 53.7 80.5

77 72.1 53.0 79.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.42 ng

RT: 8.17 min Scan# 932

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

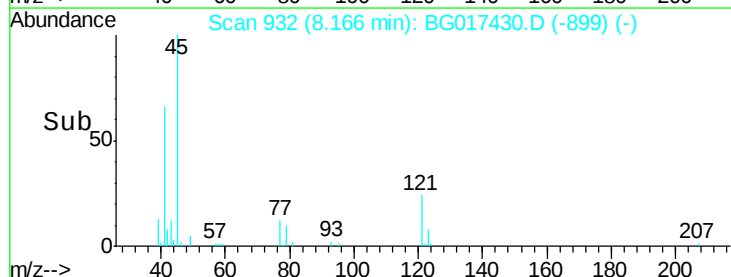
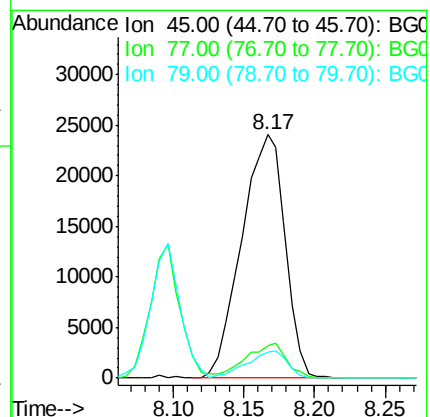
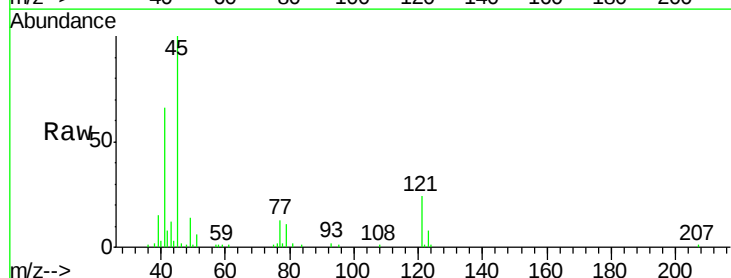
Tgt Ion: 45 Resp: 51703

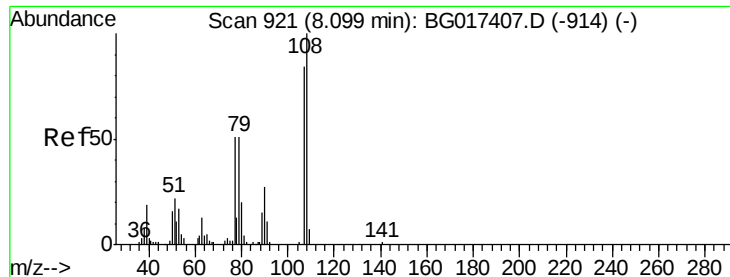
Ion Ratio Lower Upper

45 100

77 13.4 0.0 33.9

79 10.6 0.0 29.0

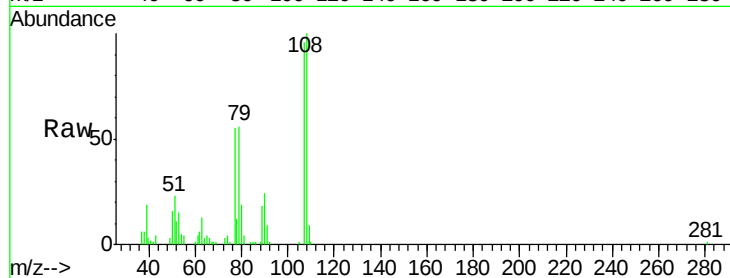




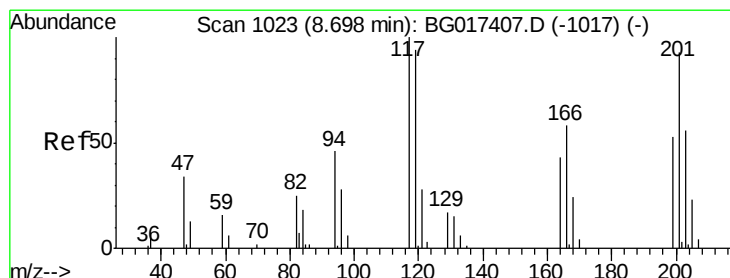
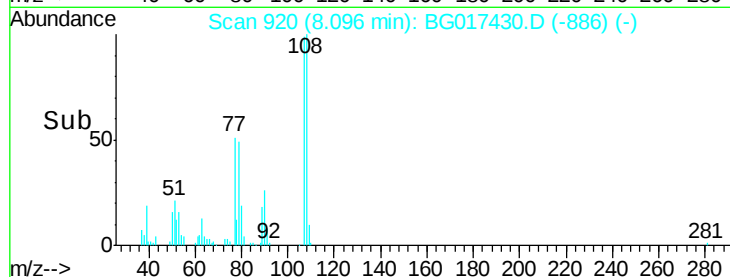
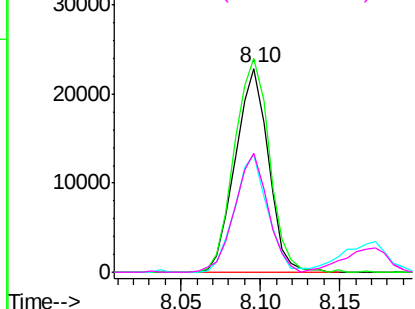
#17
2-Methylphenol
Concen: 32.00 ng
RT: 8.10 min Scan# 920
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

Tgt Ion:107 Resp: 33227
Ion Ratio Lower Upper
107 100
108 104.6 95.4 143.0
77 57.6 48.8 73.2
79 58.2 48.2 72.4

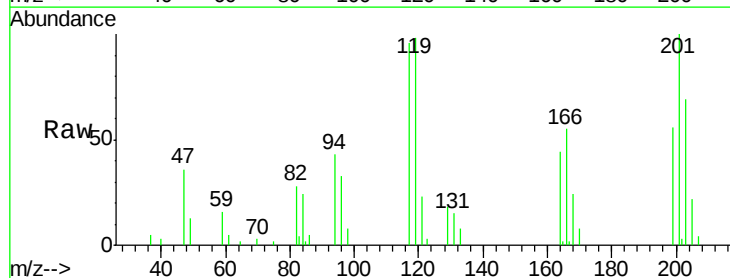


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

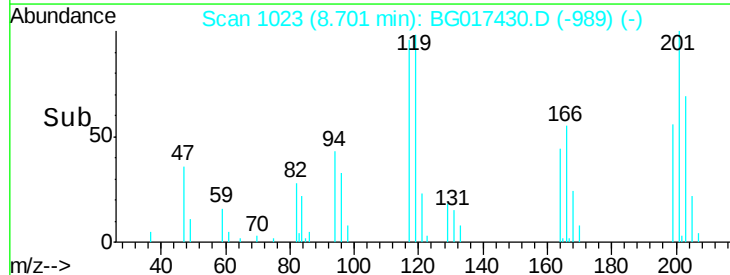
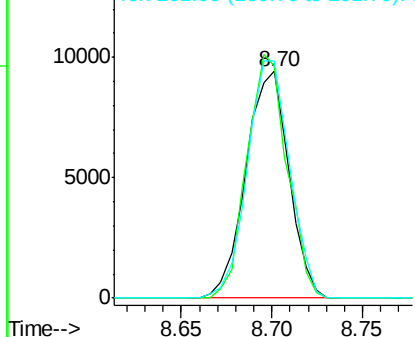


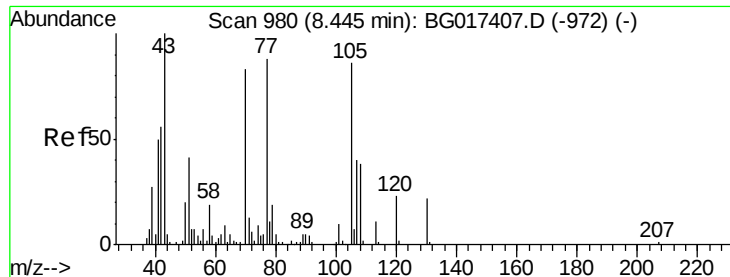
#18
Hexachloroethane
Concen: 28.70 ng
RT: 8.70 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:117 Resp: 15514
Ion Ratio Lower Upper
117 100
119 102.2 75.0 112.4
201 104.5 74.2 111.2



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

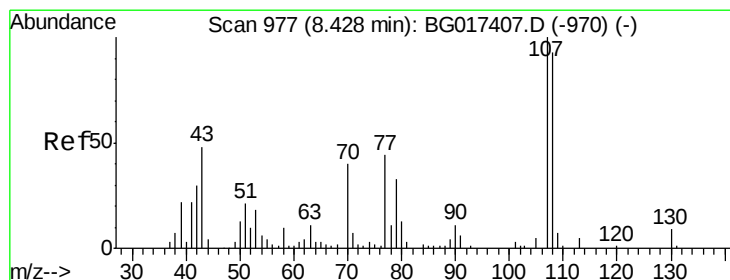
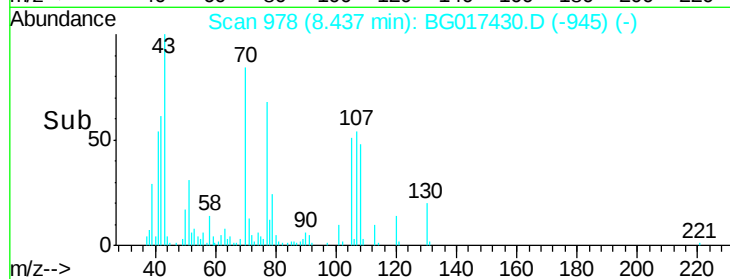
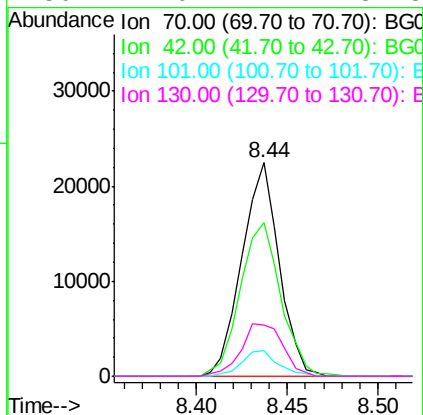
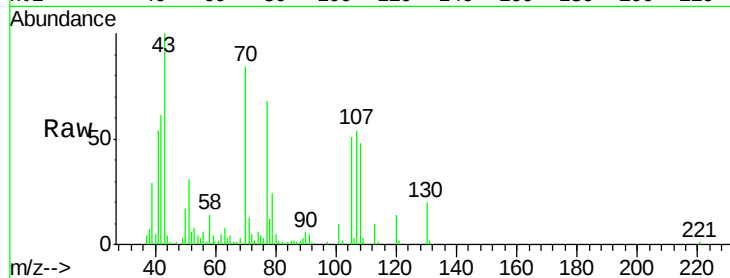




#19
n-Nitroso-di-n-propylamine
Concen: 28.42 ng
RT: 8.44 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

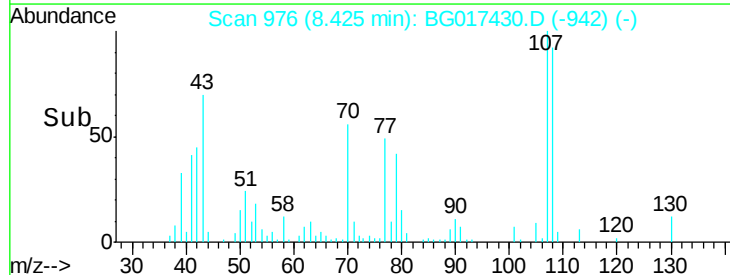
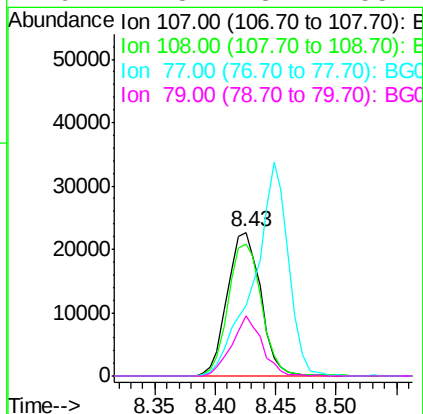
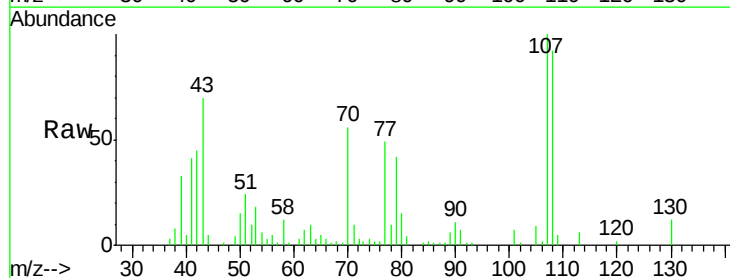
Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

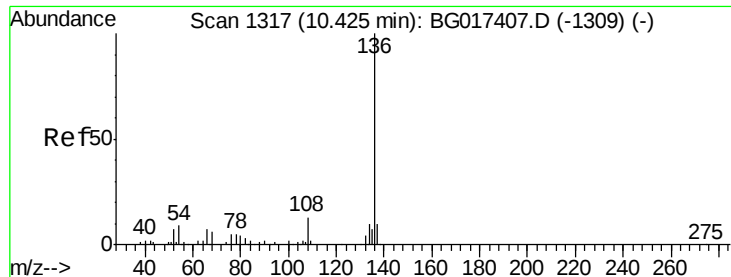
Tgt Ion: 70 Resp: 32041
Ion Ratio Lower Upper
70 100
42 72.1 53.8 80.8
101 11.9 9.5 14.3
130 24.0 21.2 31.8



#20
3+4-Methylphenols
Concen: 30.52 ng
RT: 8.43 min Scan# 976
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion: 107 Resp: 43855
Ion Ratio Lower Upper
107 100
108 91.5 73.0 113.0
77 49.1 23.9 63.9
79 41.8 13.4 53.4

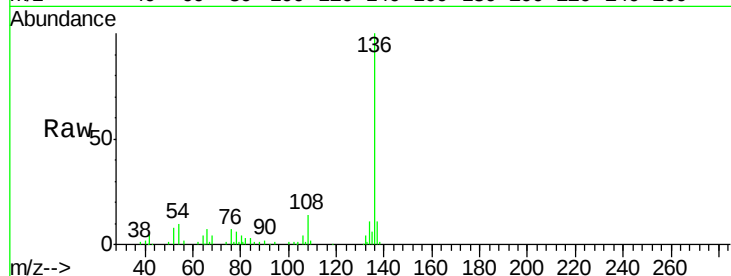




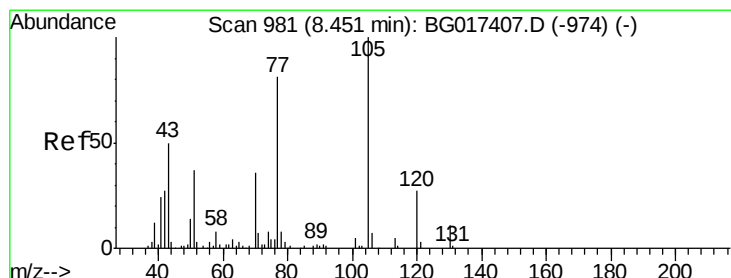
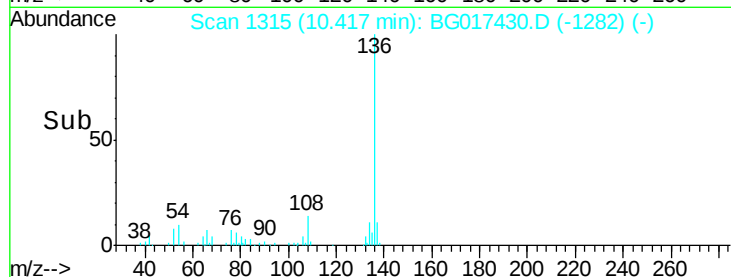
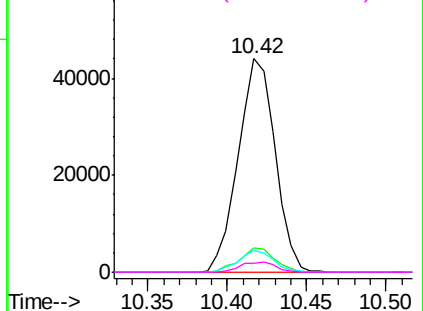
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.42 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

Tgt Ion:	136	Resp:	71142
Ion	Ratio	Lower	Upper
136	100		
137	11.4	7.9	11.9
54	10.4	7.2	10.8
68	4.1	4.5	6.7#

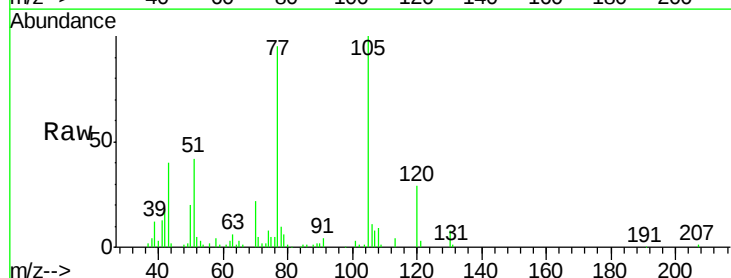


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

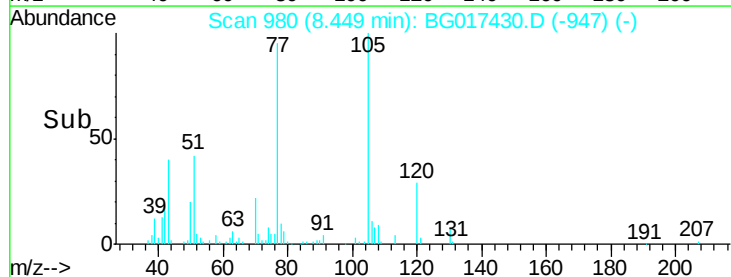
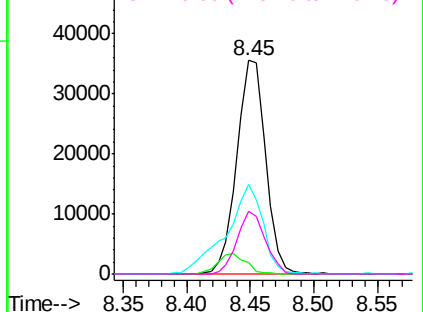


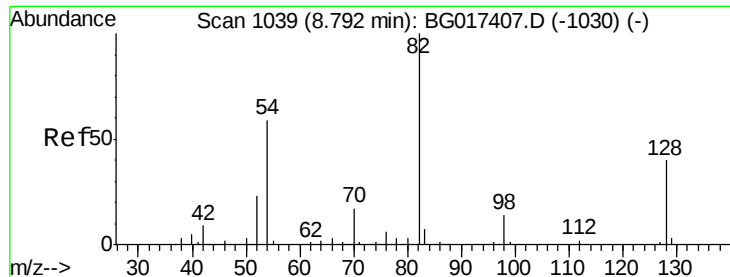
#22
Acetophenone
Concen: 32.16 ng
RT: 8.45 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:	105	Resp:	56085
Ion	Ratio	Lower	Upper
105	100		
71	5.2	5.3	7.9#
51	42.0	32.4	48.6
120	29.3	21.4	32.2



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

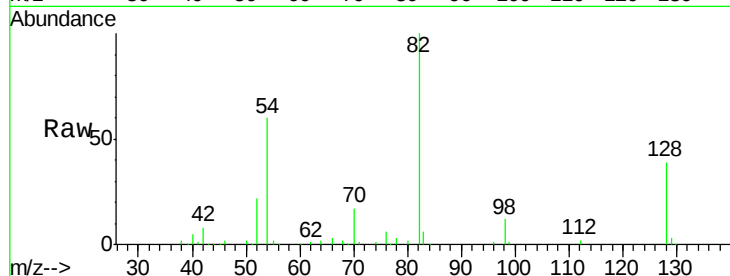




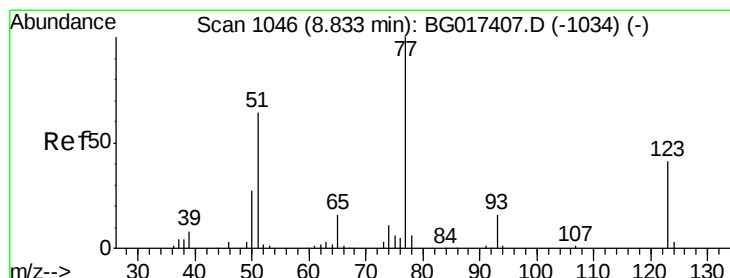
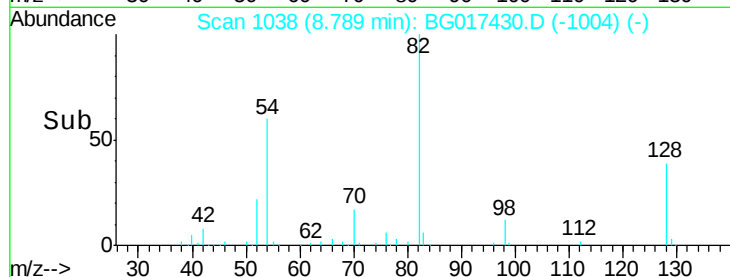
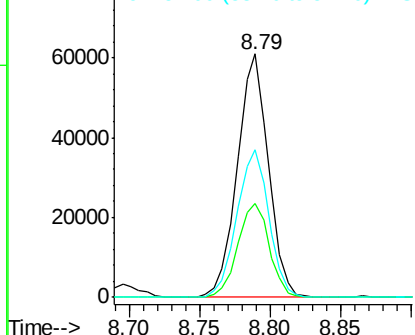
#23
 Nitrobenzene-d5
 Concen: 65.60 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion: 82 Resp: 93488
 Ion Ratio Lower Upper
 82 100
 128 38.6 32.2 48.4
 54 60.4 47.4 71.2

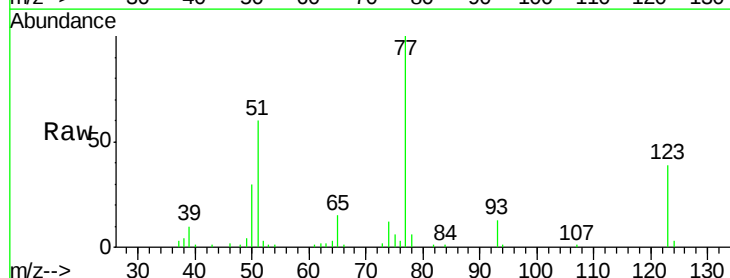


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

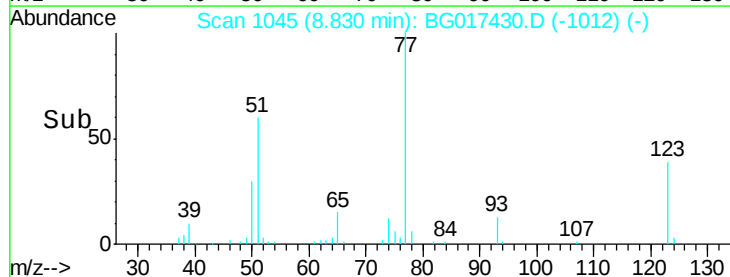
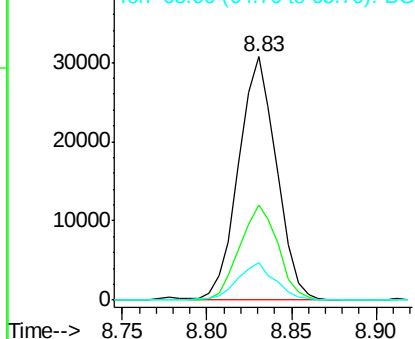


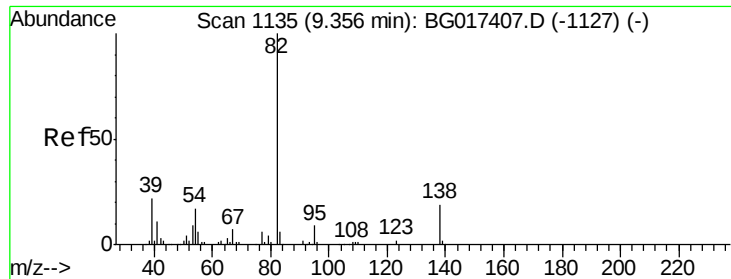
#24
 Nitrobenzene
 Concen: 32.39 ng
 RT: 8.83 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion: 77 Resp: 47924
 Ion Ratio Lower Upper
 77 100
 123 39.0 32.6 49.0
 65 15.2 12.8 19.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 28.88 ng

RT: 9.35 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

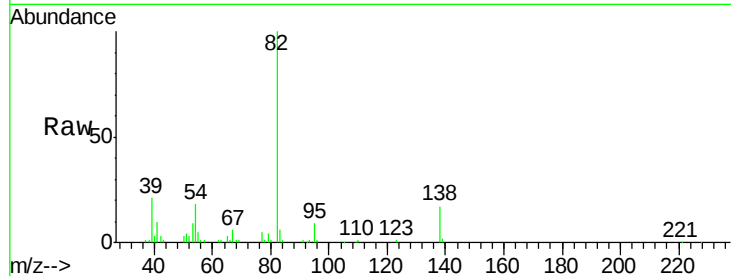
Tgt Ion: 82 Resp: 86075

Ion Ratio Lower Upper

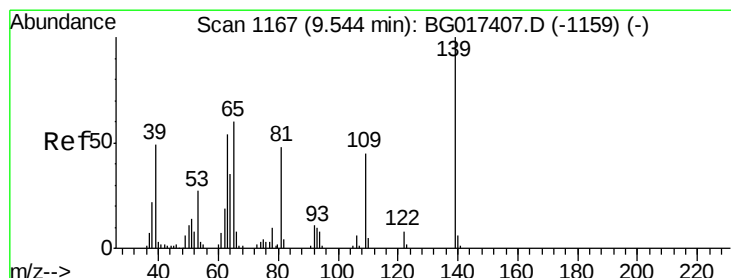
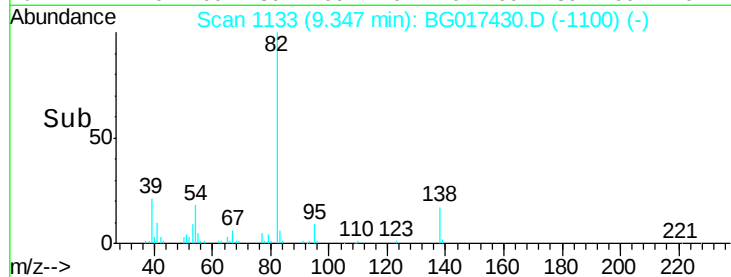
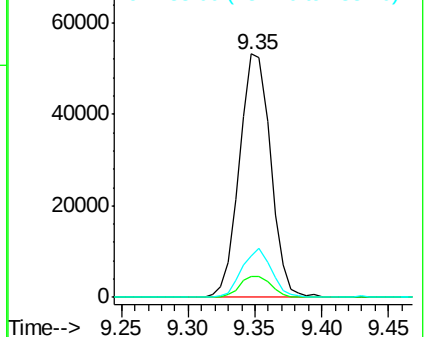
82 100

95 8.6 7.1 10.7

138 17.0 15.5 23.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 31.14 ng

RT: 9.54 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

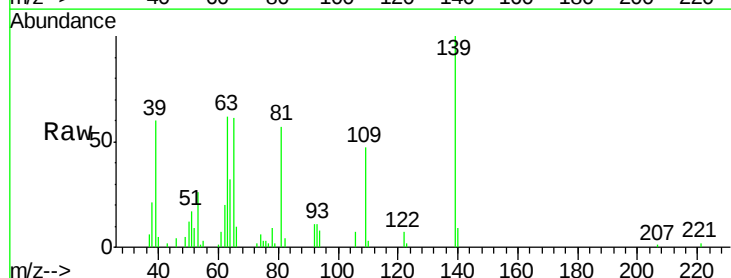
Tgt Ion: 139 Resp: 21366

Ion Ratio Lower Upper

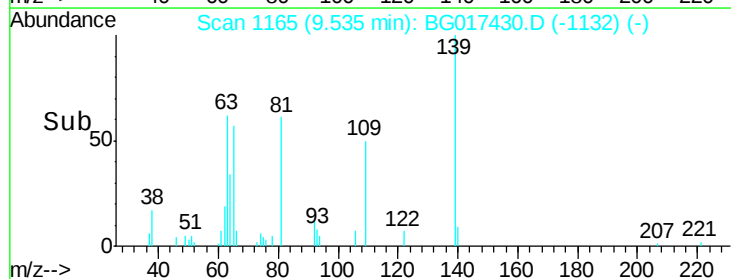
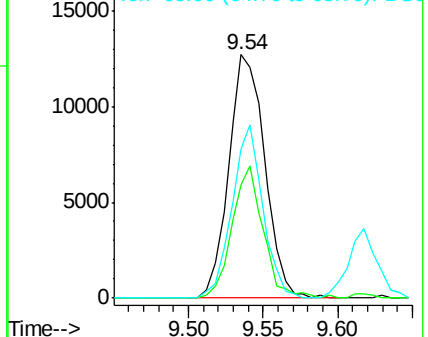
139 100

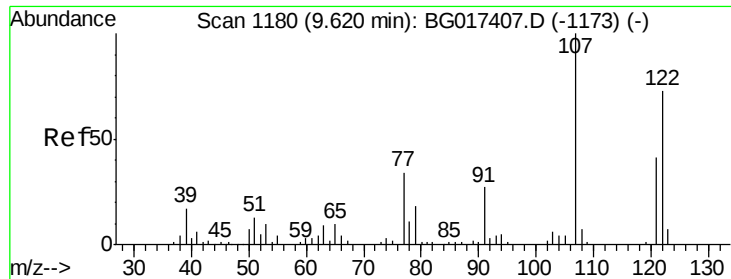
109 46.7 35.7 53.5

65 61.4 48.3 72.5



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

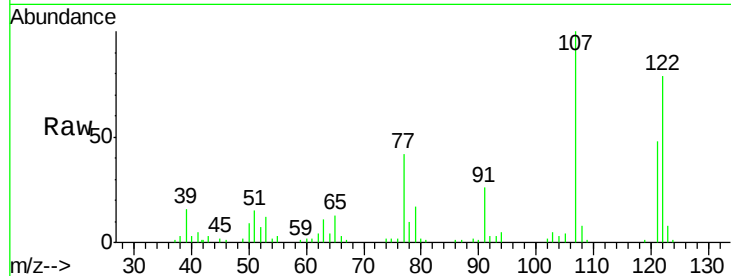




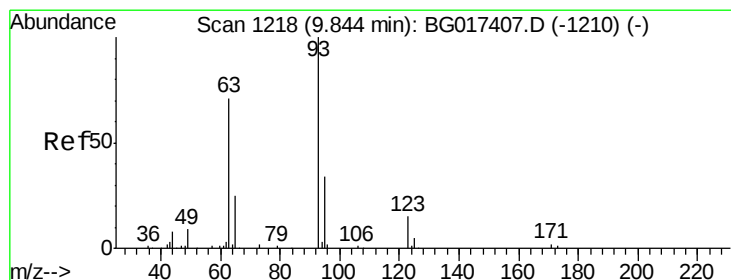
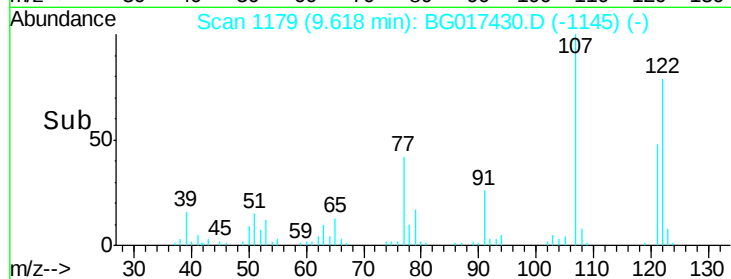
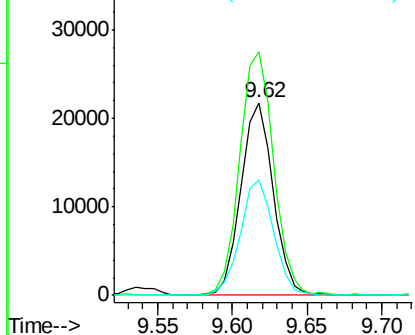
#27
 2,4-Dimethylphenol
 Concen: 29.25 ng
 RT: 9.62 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:122 Resp: 32629
 Ion Ratio Lower Upper
 122 100
 107 126.4 109.2 163.8
 121 60.2 44.3 66.5

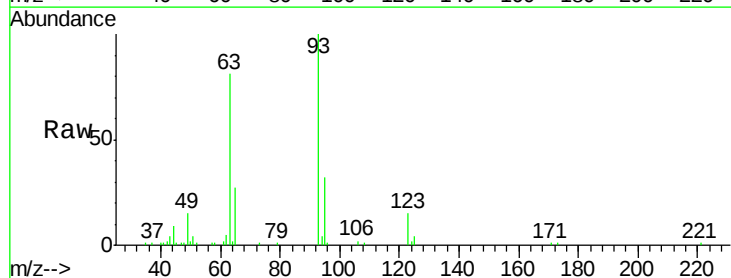


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

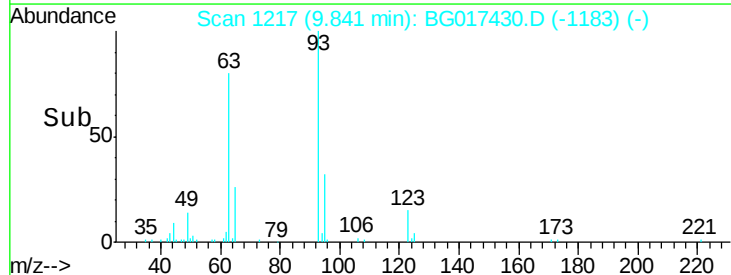
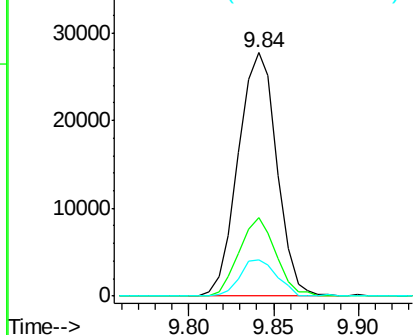


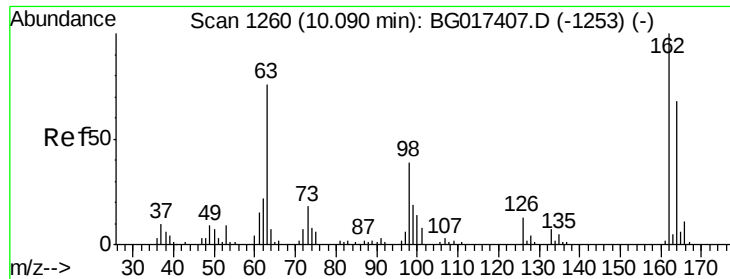
#28
 bis(2-Chloroethoxy)methane
 Concen: 32.42 ng
 RT: 9.84 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion: 93 Resp: 44141
 Ion Ratio Lower Upper
 93 100
 95 32.5 27.0 40.6
 123 15.1 12.5 18.7



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 34.01 ng

RT: 10.09 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

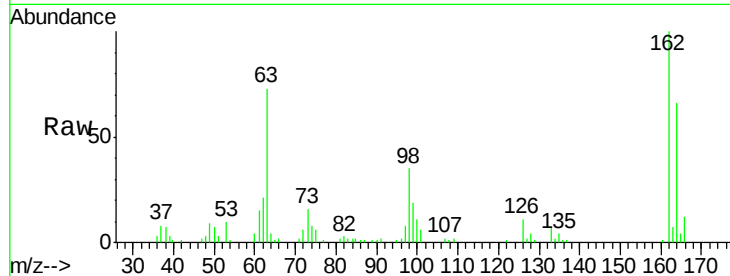
Tgt Ion:162 Resp: 36979

Ion Ratio Lower Upper

162 100

164 65.9 48.0 88.0

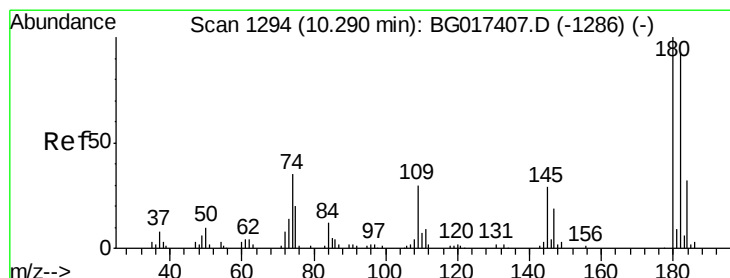
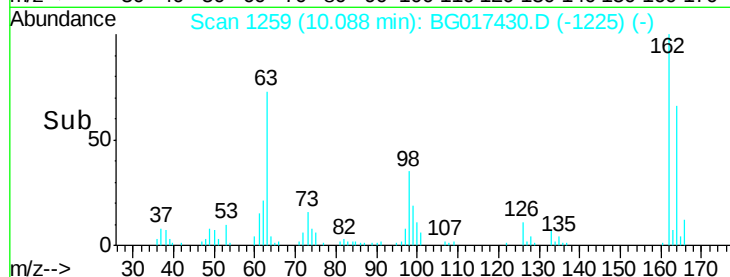
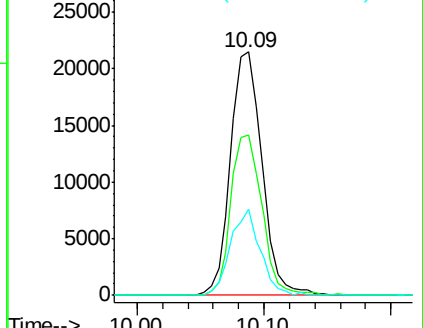
98 35.4 18.9 58.9



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 30.42 ng

RT: 10.29 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

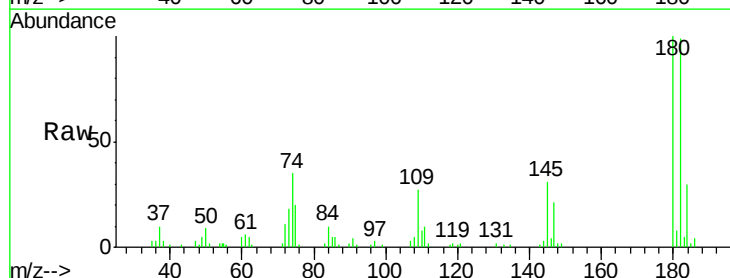
Tgt Ion:180 Resp: 38889

Ion Ratio Lower Upper

180 100

182 99.3 74.5 111.7

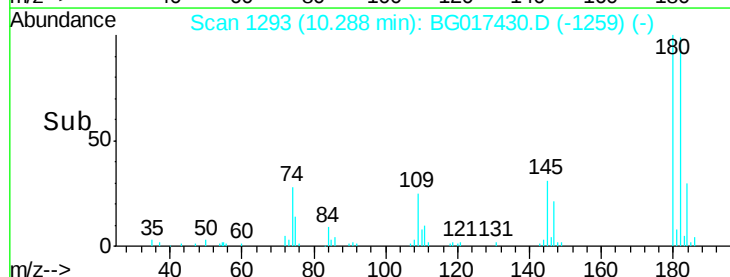
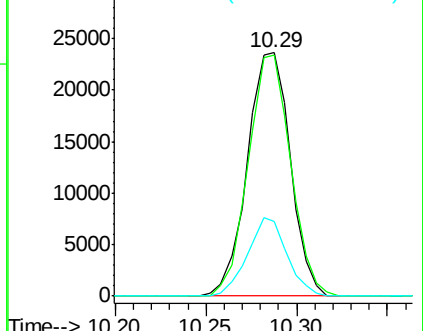
145 30.8 23.5 35.3

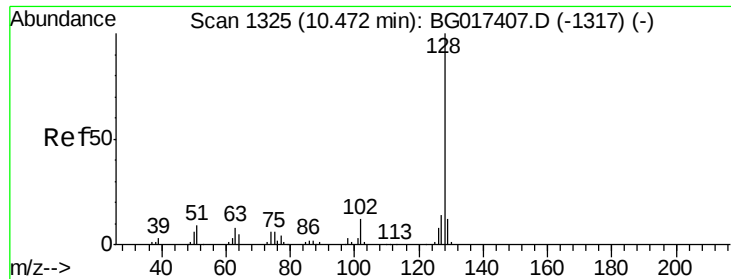


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 30.04 ng

RT: 10.47 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

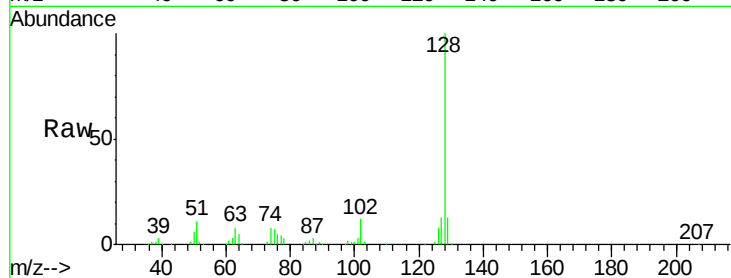
Tgt Ion:128 Resp: 111644

Ion Ratio Lower Upper

128 100

129 12.7 9.2 13.8

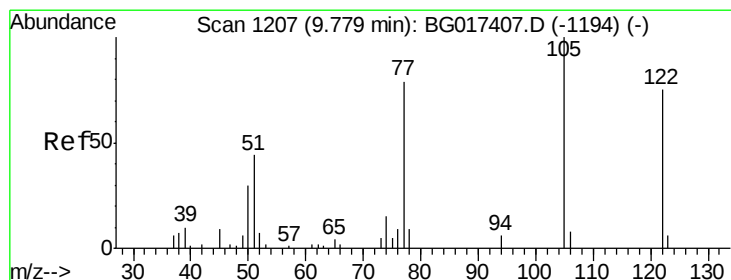
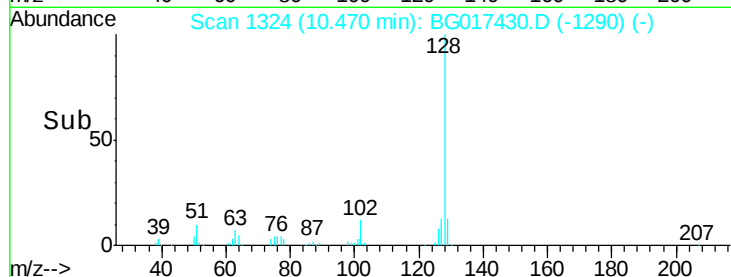
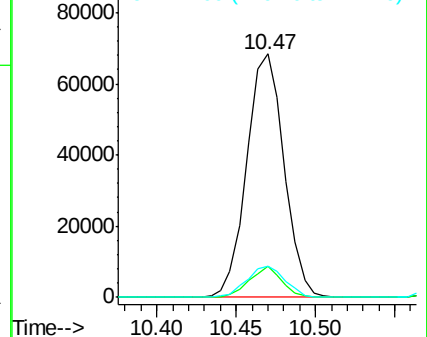
127 13.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.18 ng

RT: 9.62 min Scan# 1179

Delta R.T. -0.16 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

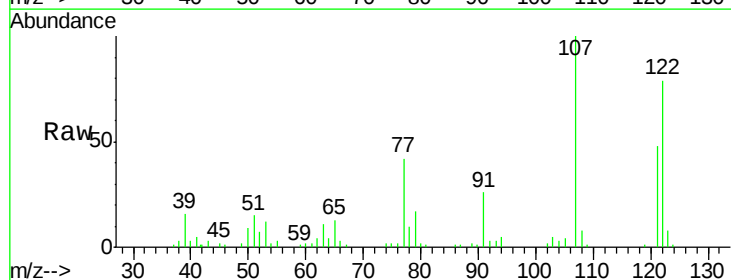
Tgt Ion:122 Resp: 32575

Ion Ratio Lower Upper

122 100

105 4.9 113.5 153.5#

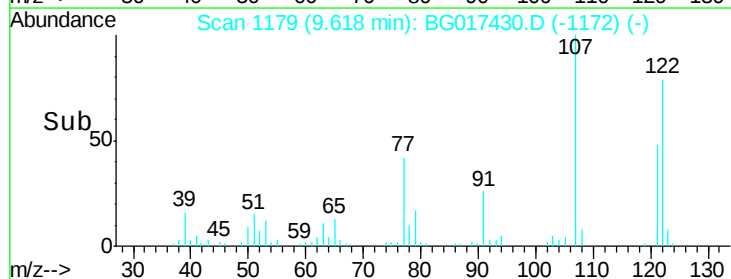
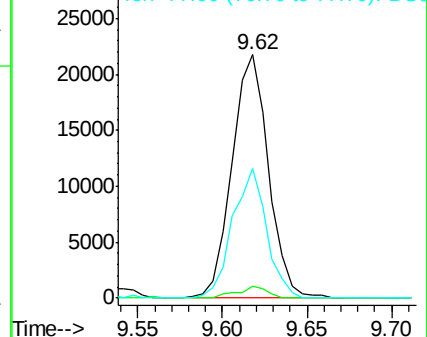
77 53.4 85.2 125.2#

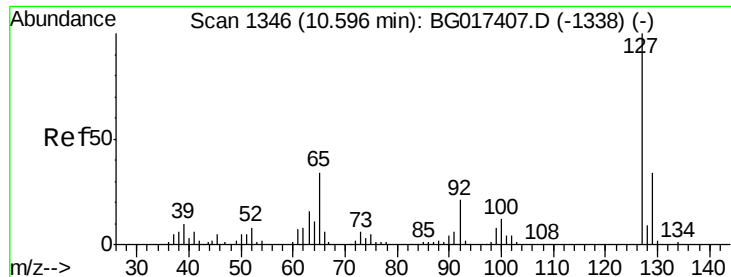


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

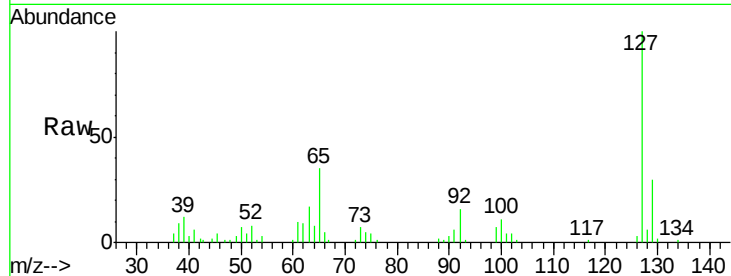




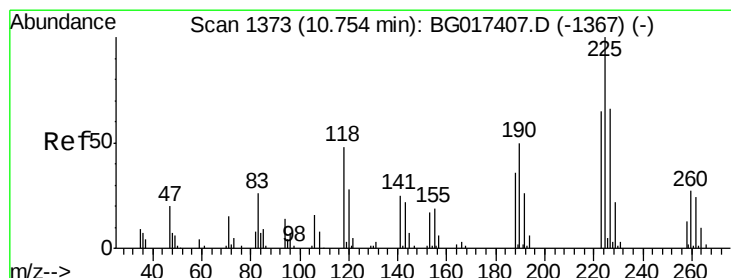
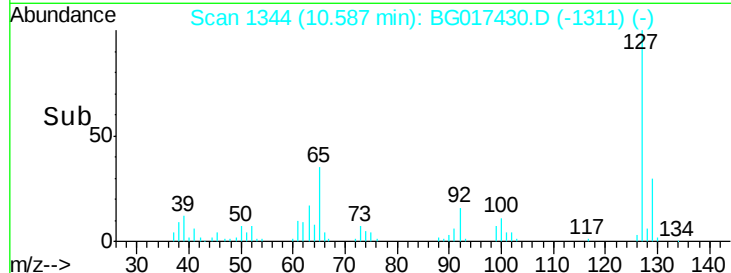
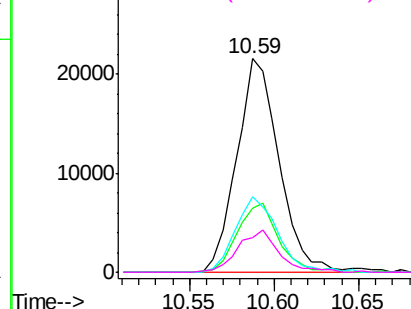
#33
4-Chloroaniline
Concen: 22.62 ng
RT: 10.59 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

Tgt Ion:127 Resp: 37302
Ion Ratio Lower Upper
127 100
129 29.8 27.1 40.7
65 35.3 27.6 41.4
92 15.9 16.7 25.1#

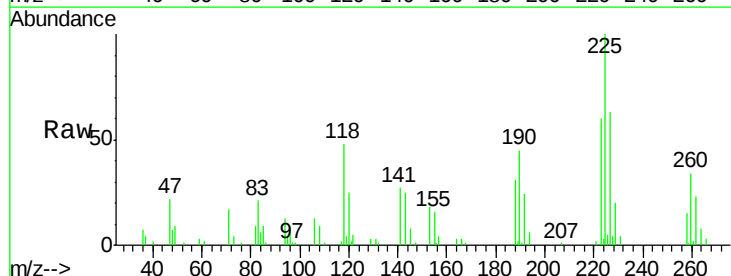


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

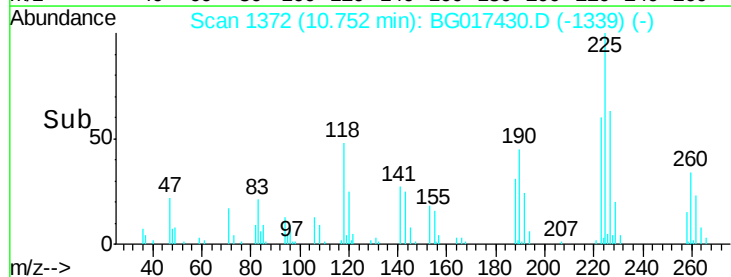
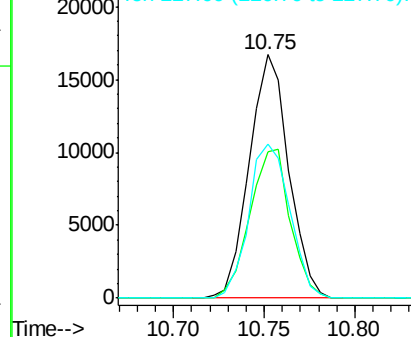


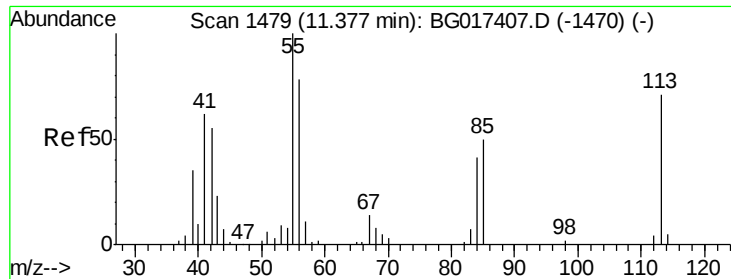
#34
Hexachlorobutadiene
Concen: 30.30 ng
RT: 10.75 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:225 Resp: 25213
Ion Ratio Lower Upper
225 100
223 59.9 52.2 78.2
227 66.7 52.6 78.8



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

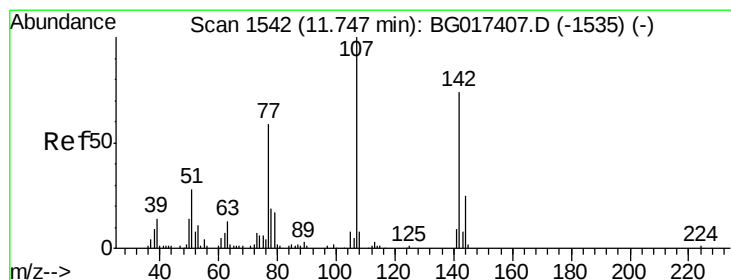
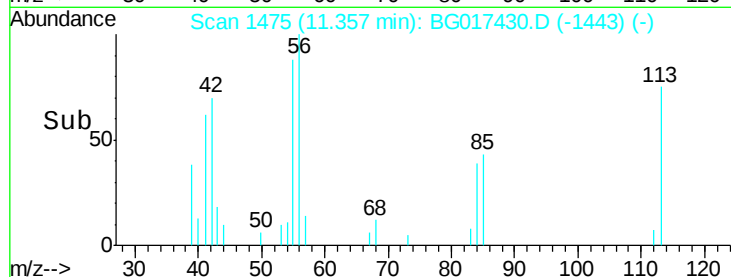
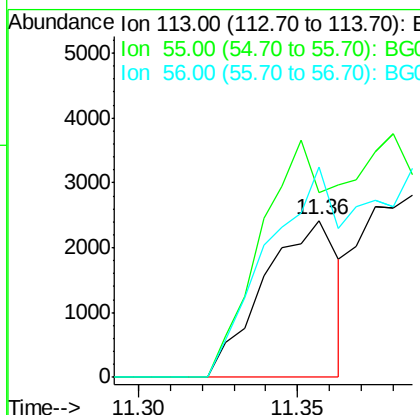
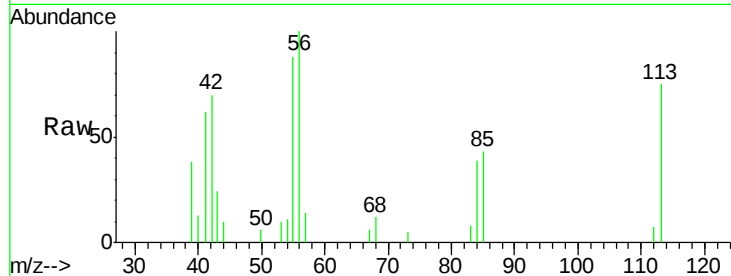




#35
 Caprolactam
 Concen: 6.59 ng
 RT: 11.36 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

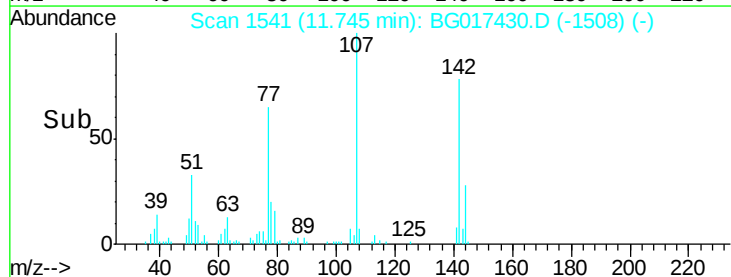
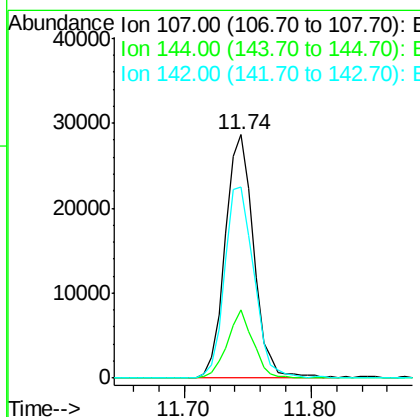
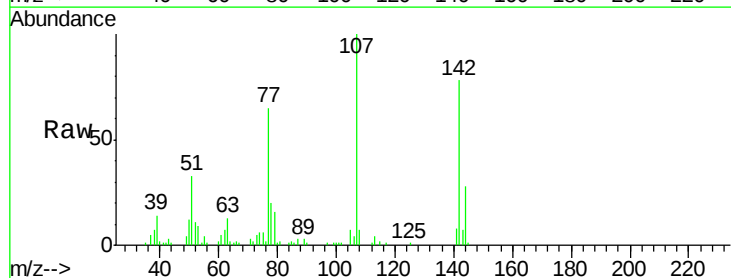
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

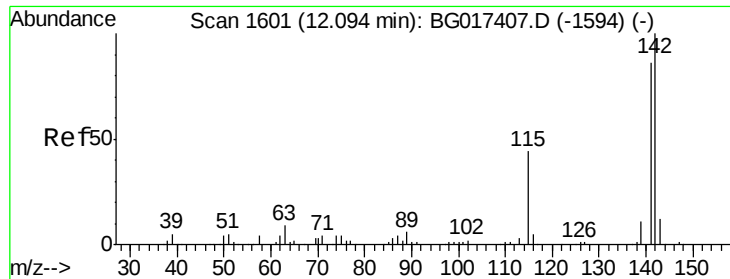
Tgt Ion:113 Resp: 3944
 Ion Ratio Lower Upper
 113 100
 55 117.2 121.6 161.6#
 56 133.6 89.8 129.8#



#36
 4-Chloro-3-methylphenol
 Concen: 31.40 ng
 RT: 11.74 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:107 Resp: 44425
 Ion Ratio Lower Upper
 107 100
 144 27.9 19.8 29.8
 142 78.4 59.0 88.4

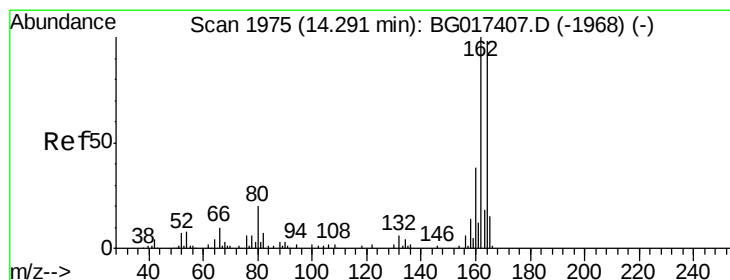
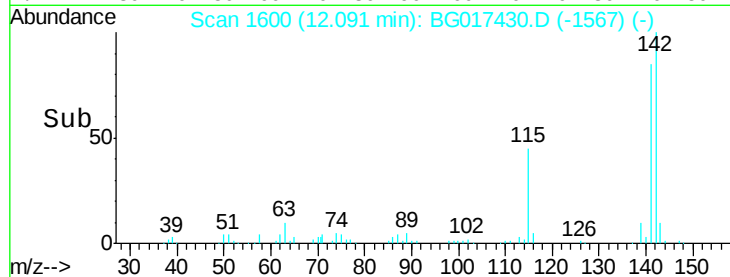
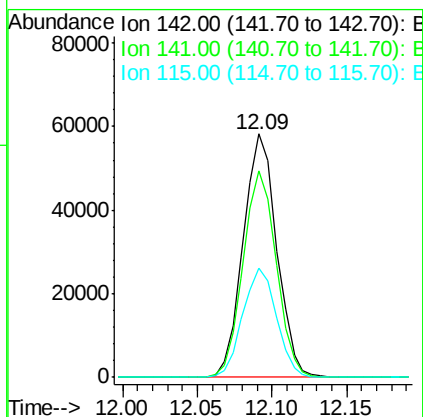
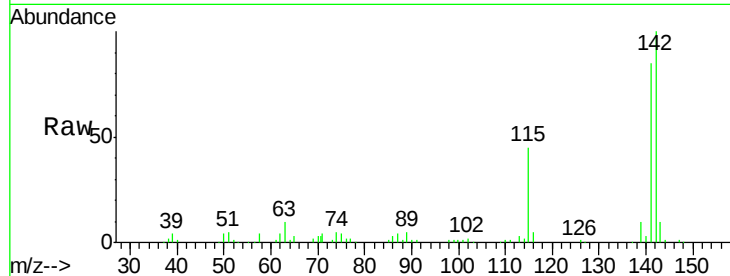




#37
 2-Methylnaphthalene
 Concen: 31.68 ng
 RT: 12.09 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

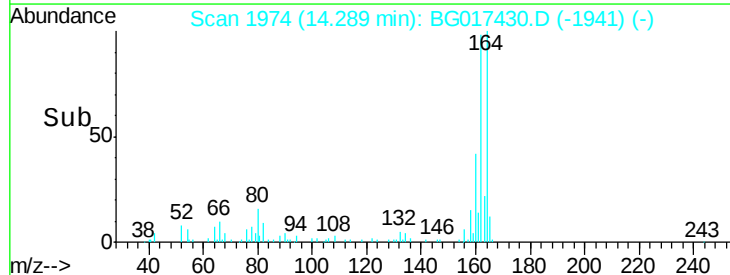
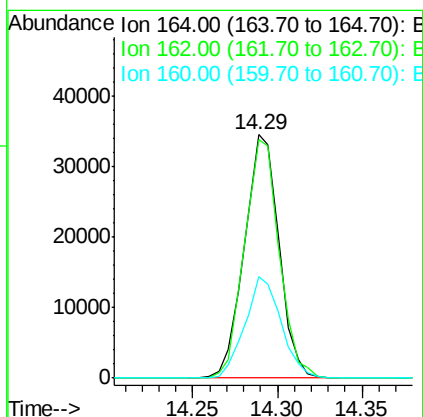
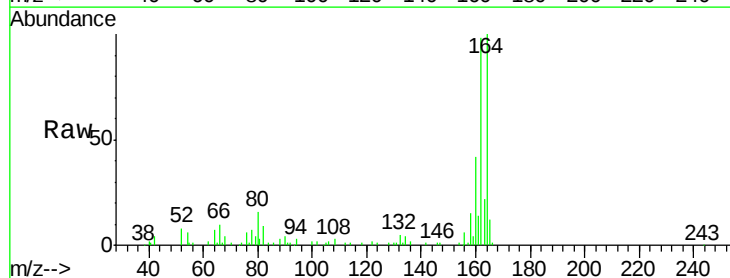
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

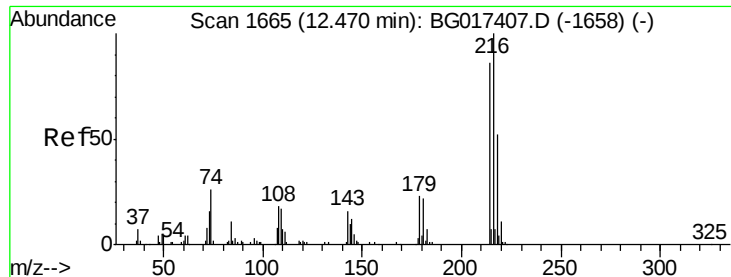
Tgt Ion:142 Resp: 90508
 Ion Ratio Lower Upper
 142 100
 141 84.9 68.6 102.8
 115 44.7 35.3 52.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:164 Resp: 49204
 Ion Ratio Lower Upper
 164 100
 162 97.9 81.8 122.6
 160 41.9 31.0 46.4





#39

1,2,4,5-Tetrachlorobenzene

Concen: 30.44 ng

RT: 12.47 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

Tgt Ion:216 Resp: 45570

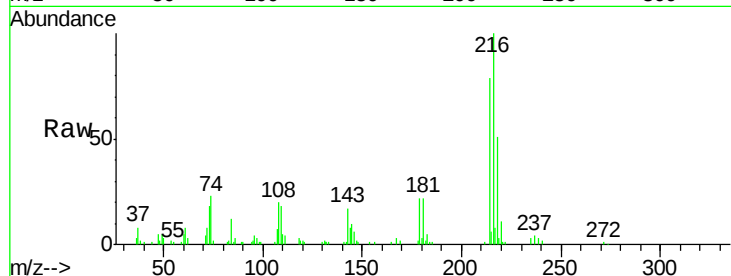
Ion Ratio Lower Upper

216 100

214 79.6 66.5 99.7

179 22.2 17.3 25.9

108 25.6 18.5 27.7

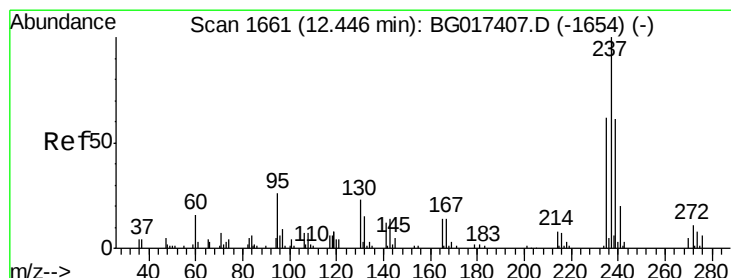
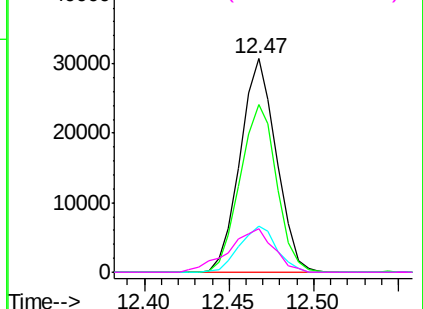
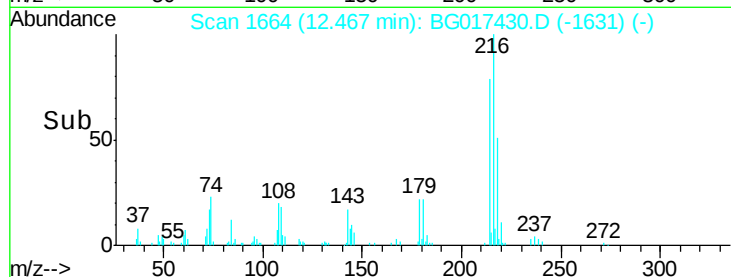


Abundance Ion 216.00 (215.70 to 216.70): E

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: 52.90 ng

RT: 12.44 min Scan# 1660

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

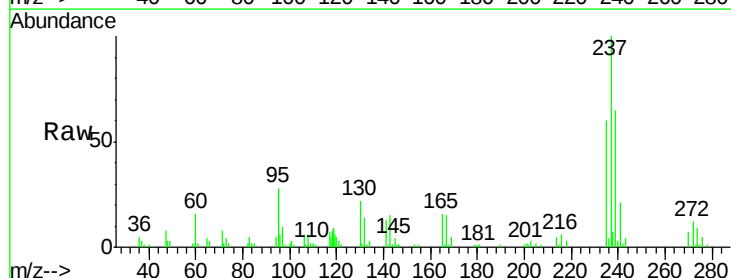
Tgt Ion:237 Resp: 44514

Ion Ratio Lower Upper

237 100

235 59.5 42.3 82.3

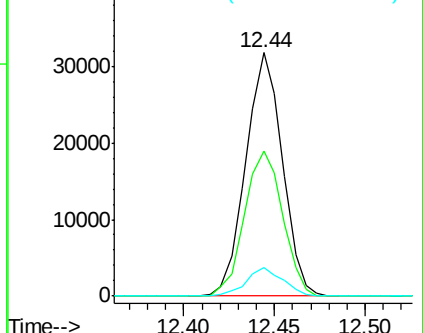
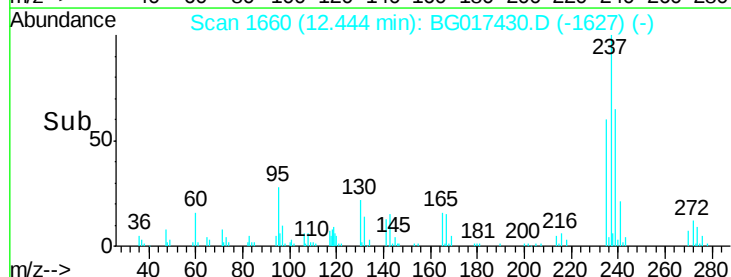
272 11.7 0.0 31.2



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

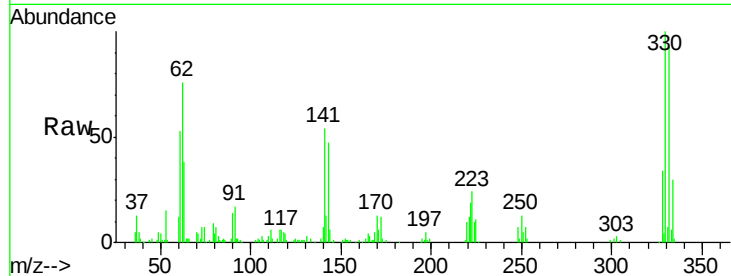




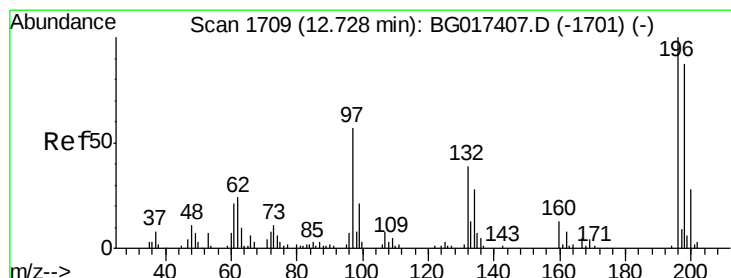
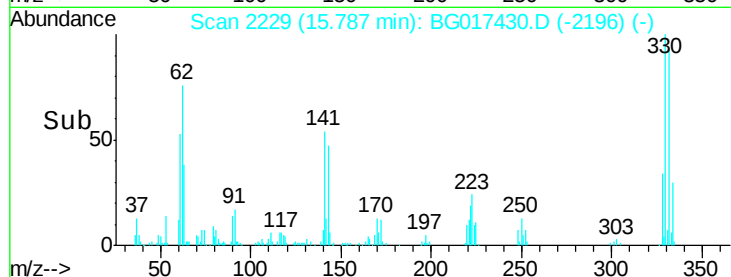
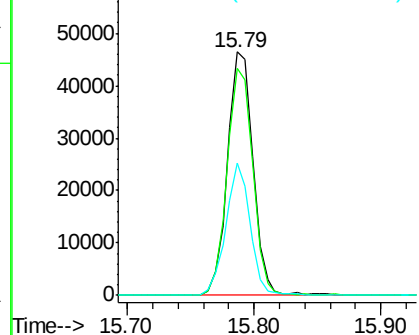
#41
 2,4,6-Tribromophenol
 Concen: 94.90 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:330 Resp: 64854
 Ion Ratio Lower Upper
 330 100
 332 94.0 75.9 113.9
 141 51.5 40.2 60.4

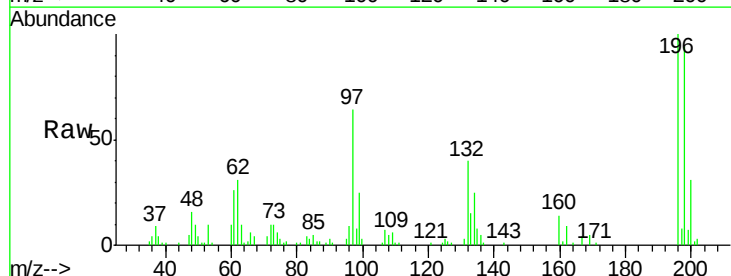


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

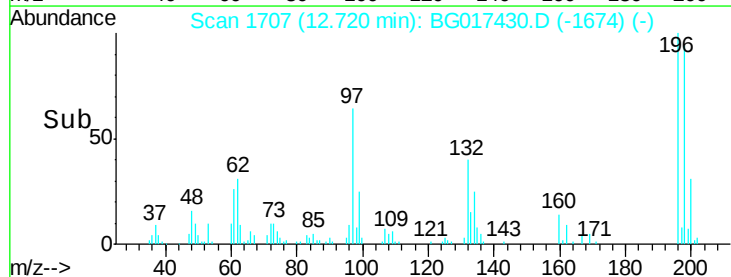
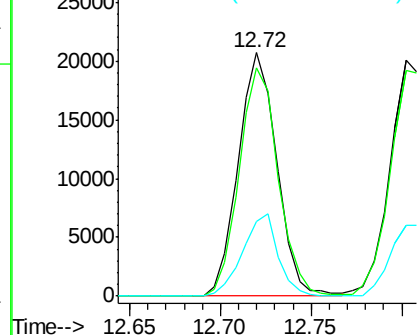


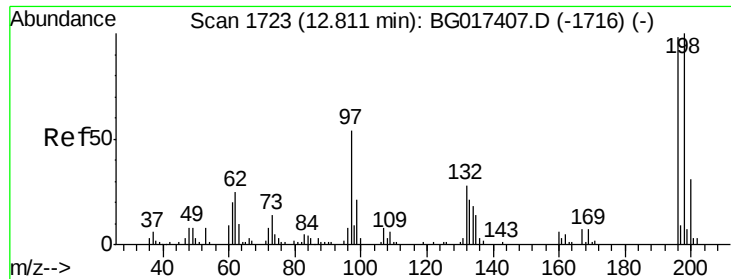
#42
 2,4,6-Trichlorophenol
 Concen: 28.65 ng
 RT: 12.72 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:196 Resp: 30720
 Ion Ratio Lower Upper
 196 100
 198 93.5 69.9 104.9
 200 30.7 22.7 34.1



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

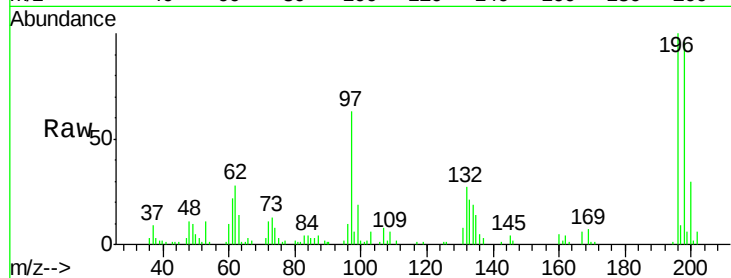




#43
 2,4,5-Trichlorophenol
 Concen: 28.24 ng
 RT: 12.80 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.5	80.6	121.0
97	63.3	43.2	64.8
132	27.1	22.3	33.5



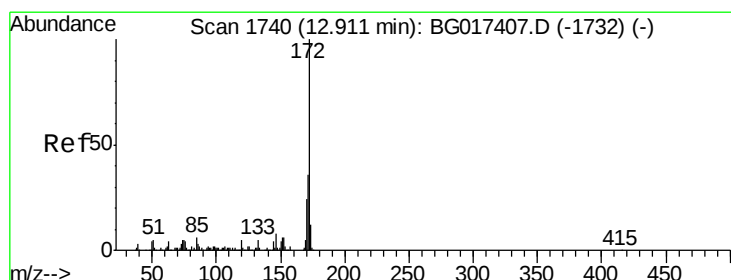
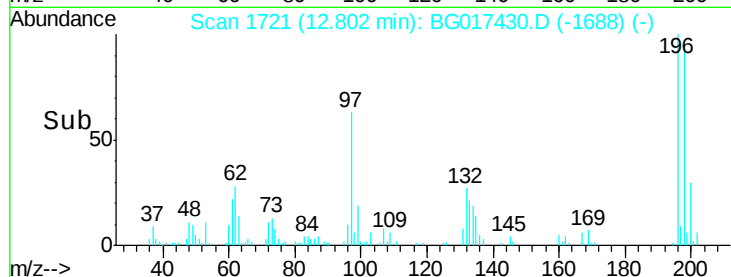
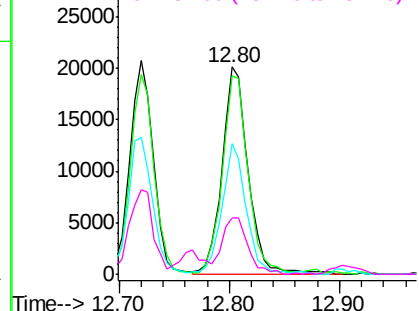
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

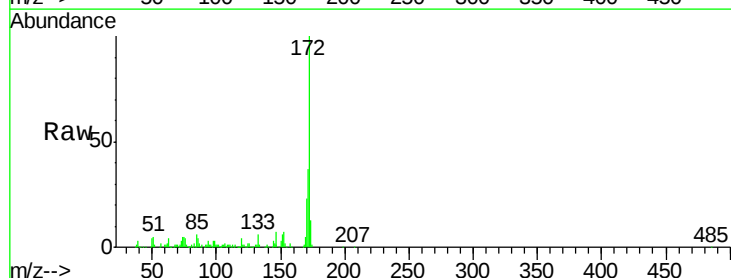
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.56 ng
 RT: 12.91 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	22.8	18.9	28.3

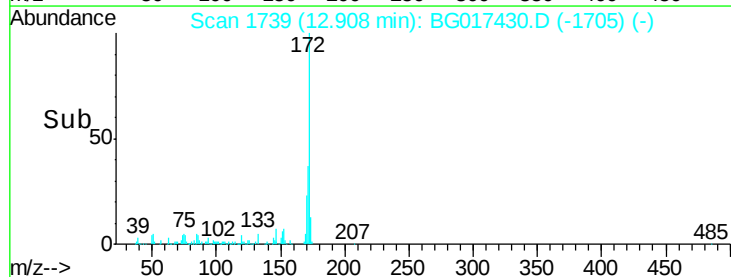
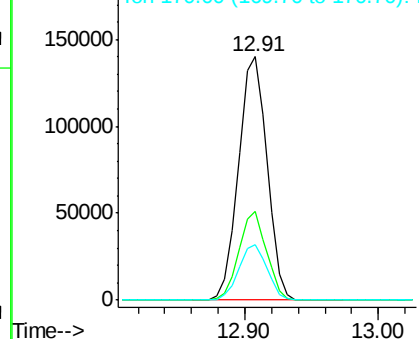


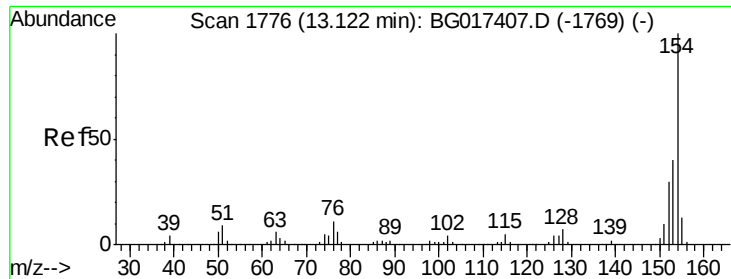
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

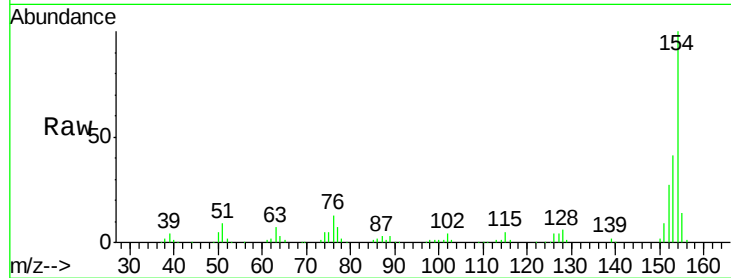




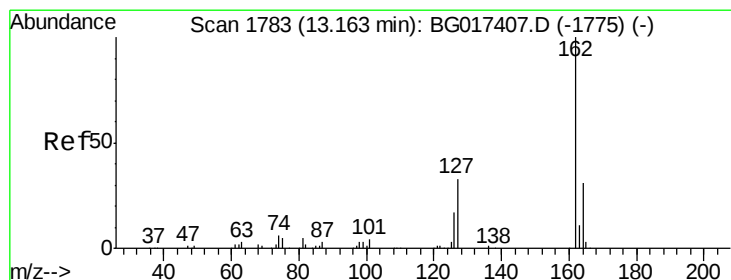
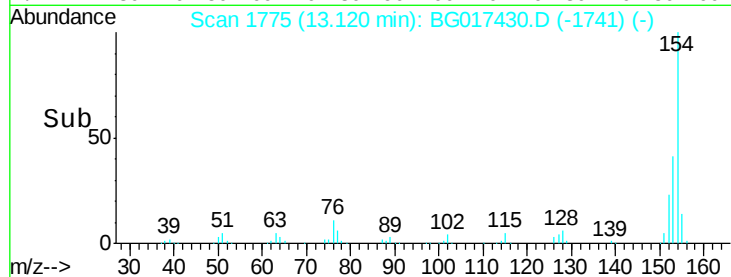
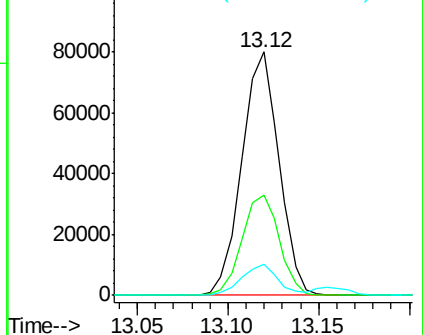
#45
 1,1'-Biphenyl
 Concen: 31.58 ng
 RT: 13.12 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:154 Resp: 113554
 Ion Ratio Lower Upper
 154 100
 153 41.4 20.1 60.1
 76 12.8 0.0 31.5

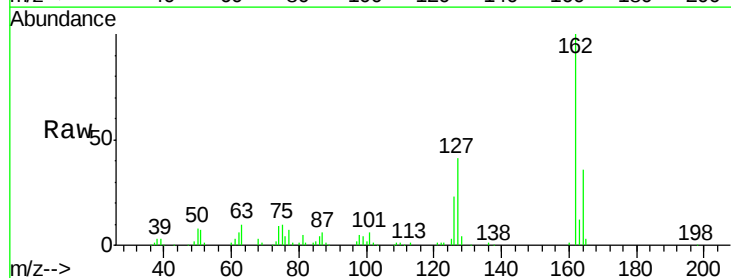


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

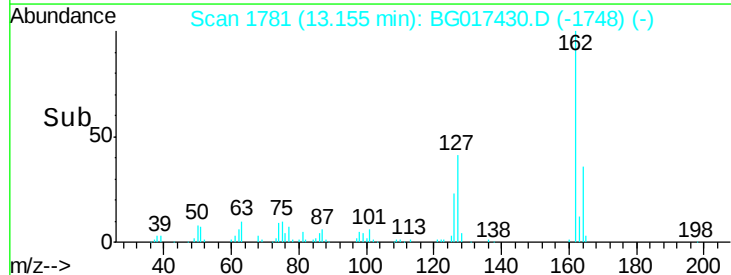
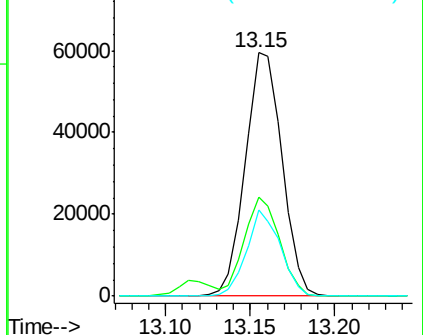


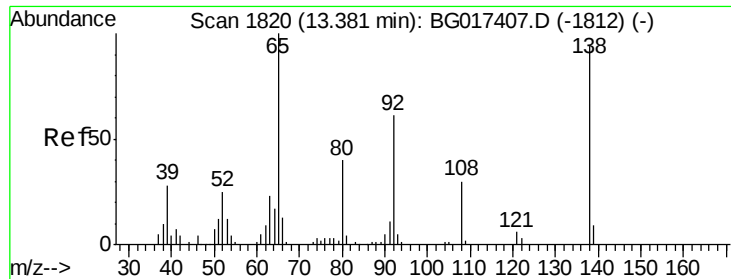
#46
 2-Chloronaphthalene
 Concen: 29.96 ng
 RT: 13.15 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:162 Resp: 90080
 Ion Ratio Lower Upper
 162 100
 127 40.8 29.4 44.2
 164 35.6 24.9 37.3



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

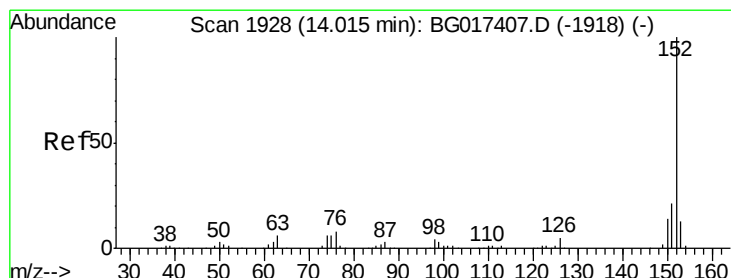
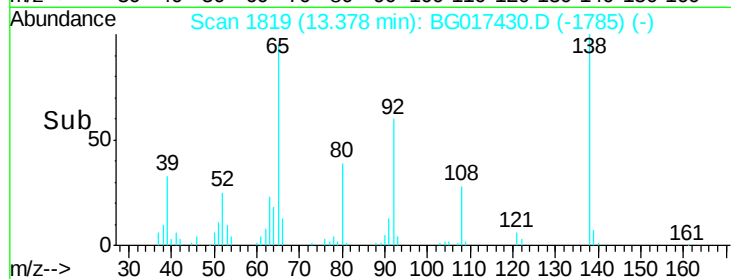
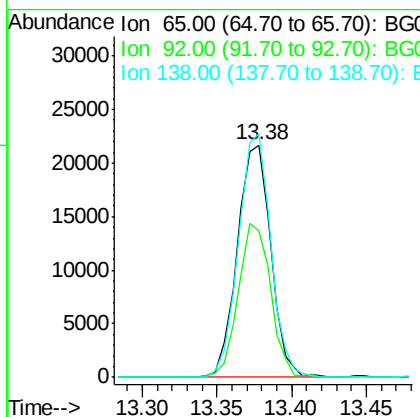
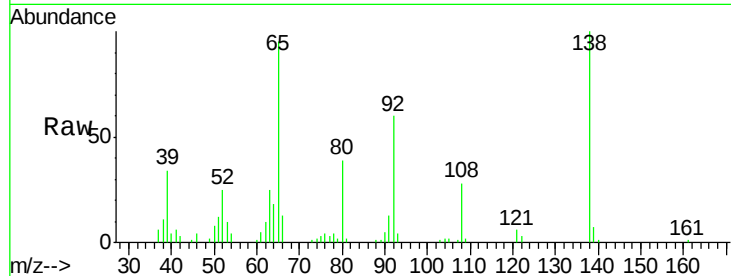




#47
2-Nitroaniline
Concen: 30.42 ng
RT: 13.38 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

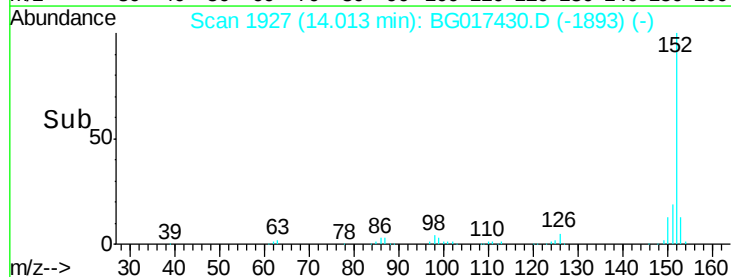
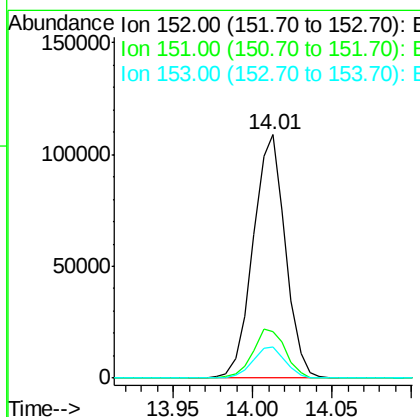
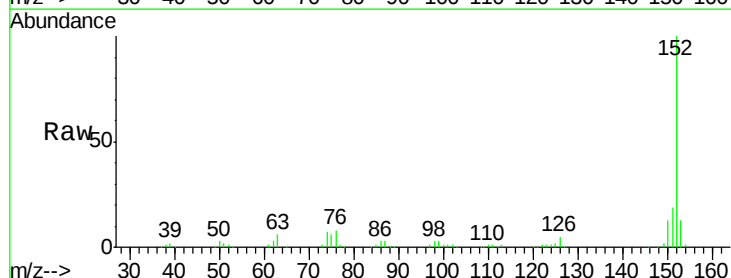
Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

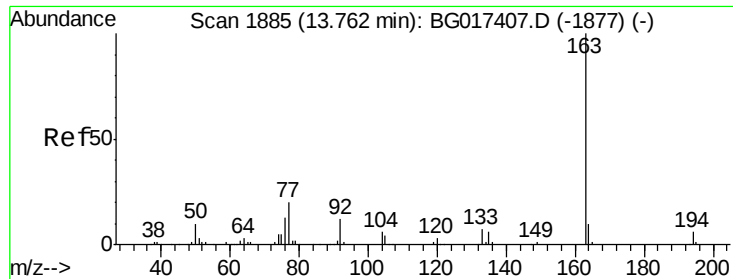
Tgt Ion: 65 Resp: 33782
Ion Ratio Lower Upper
65 100
92 62.7 49.1 73.7
138 104.8 75.4 113.0



#48
Acenaphthylene
Concen: 29.00 ng
RT: 14.01 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion: 152 Resp: 153604
Ion Ratio Lower Upper
152 100
151 19.0 16.5 24.7
153 12.9 10.7 16.1





#49

Dimethylphthalate

Concen: 33.71 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

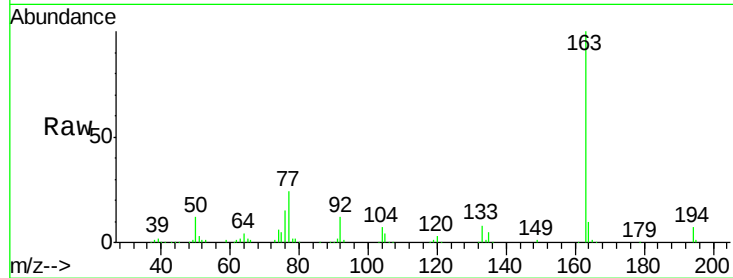
Tgt Ion:163 Resp: 144370

Ion Ratio Lower Upper

163 100

194 7.0 4.9 7.3

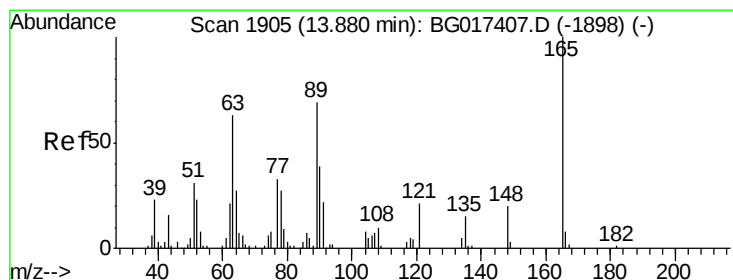
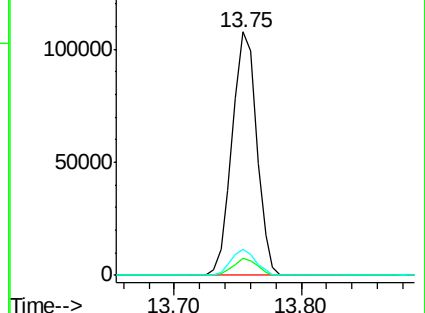
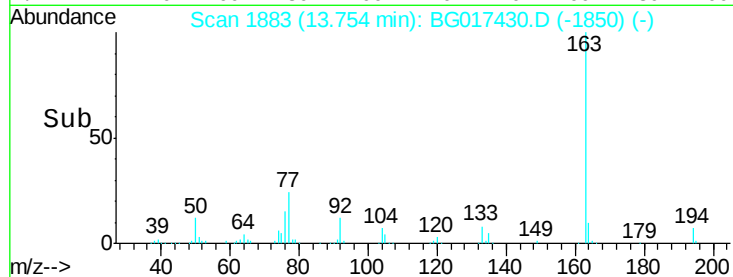
164 10.5 8.2 12.2



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: 29.85 ng

RT: 13.88 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

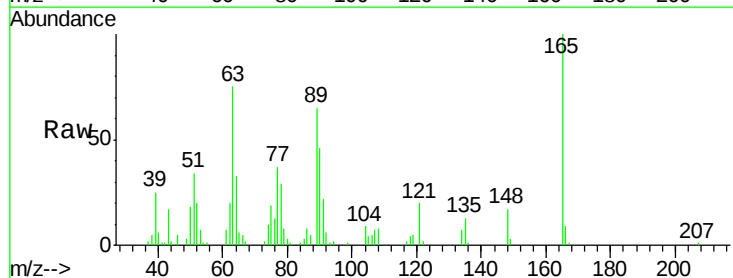
Tgt Ion:165 Resp: 28727

Ion Ratio Lower Upper

165 100

63 74.9 53.7 80.5

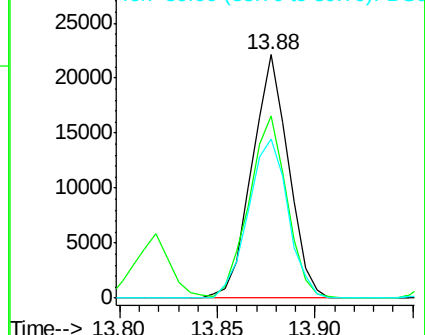
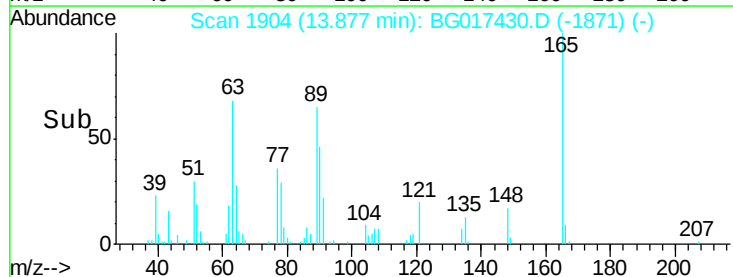
89 65.1 55.4 83.2

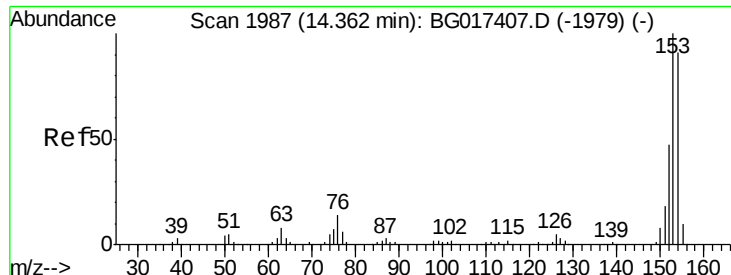


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 29.23 ng

RT: 14.35 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

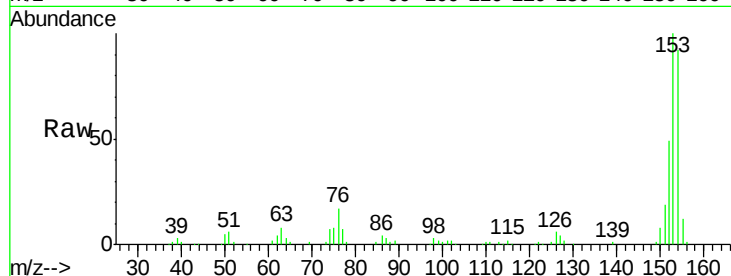
Tgt Ion:154 Resp: 91279

Ion Ratio Lower Upper

154 100

153 108.1 87.7 131.5

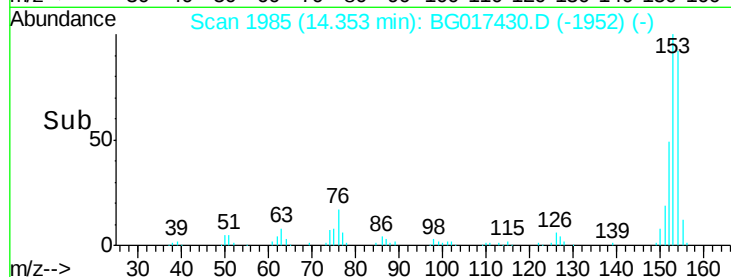
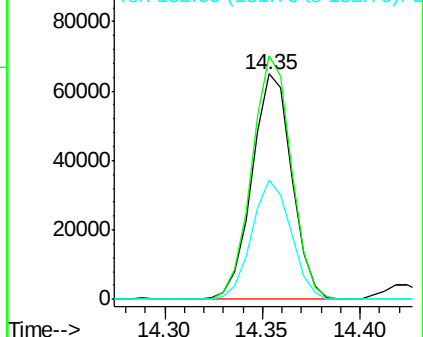
152 52.9 40.8 61.2



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: 25.11 ng

RT: 14.21 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

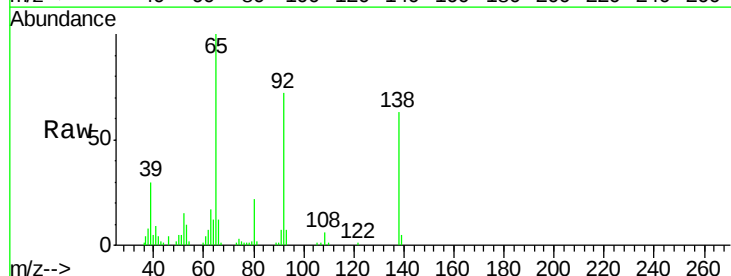
Tgt Ion:138 Resp: 26167

Ion Ratio Lower Upper

138 100

108 10.3 7.5 11.3

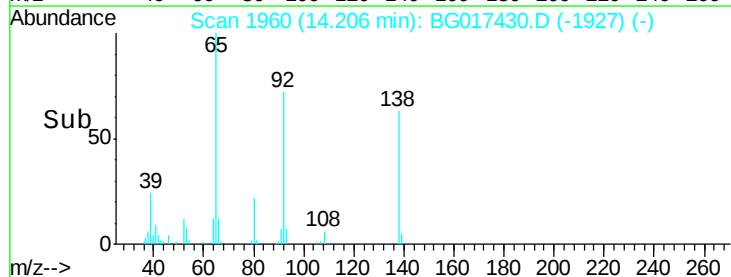
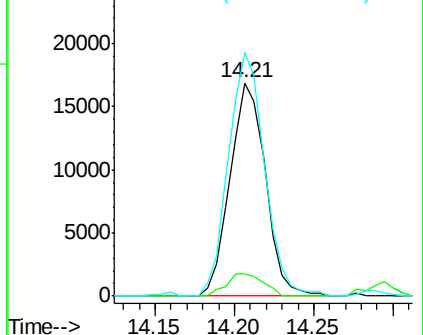
92 114.1 87.0 130.4

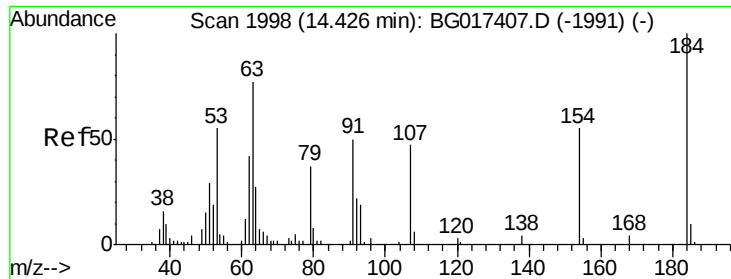


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

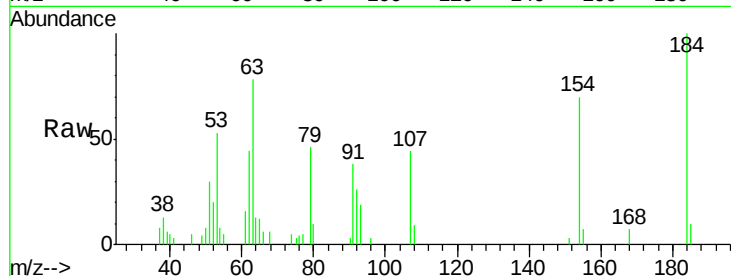




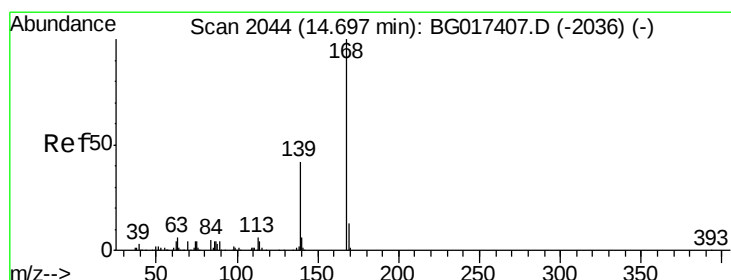
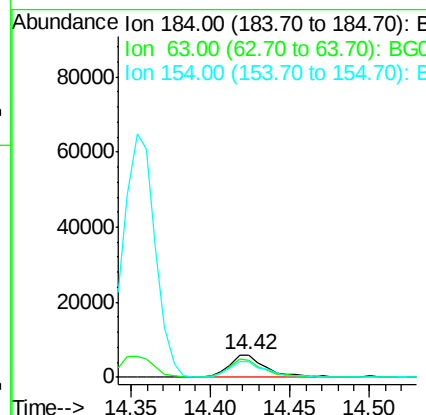
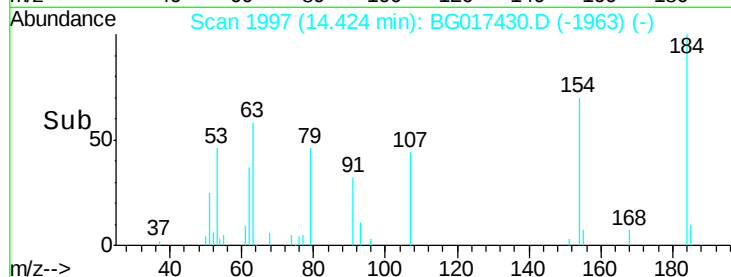
#53
 2,4-Dinitrophenol
 Concen: 21.49 ng
 RT: 14.42 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:184 Resp: 9578
 Ion Ratio Lower Upper
 184 100
 63 77.6 61.5 92.3
 154 70.1 53.8 80.8

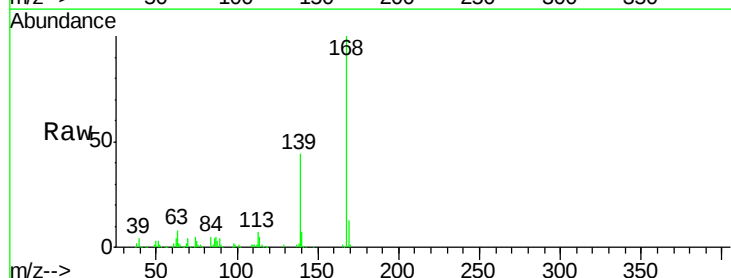


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 154.00 (153.70 to 154.70): E

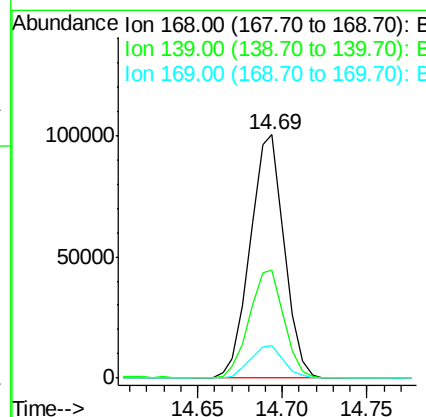
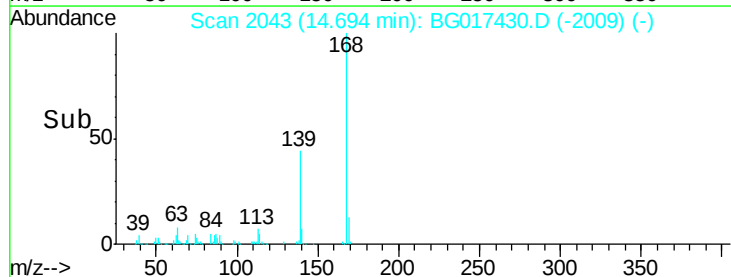


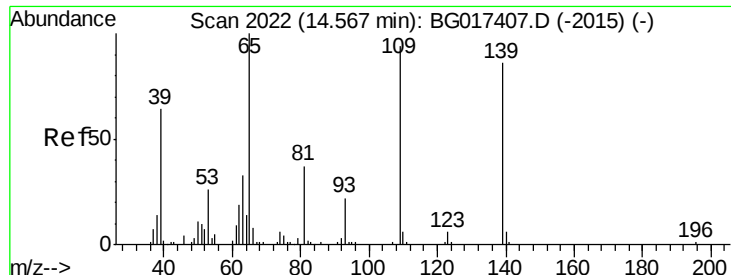
#54
 Dibenzofuran
 Concen: 30.50 ng
 RT: 14.69 min Scan# 2043
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:168 Resp: 140497
 Ion Ratio Lower Upper
 168 100
 139 44.3 33.2 49.8
 169 13.1 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

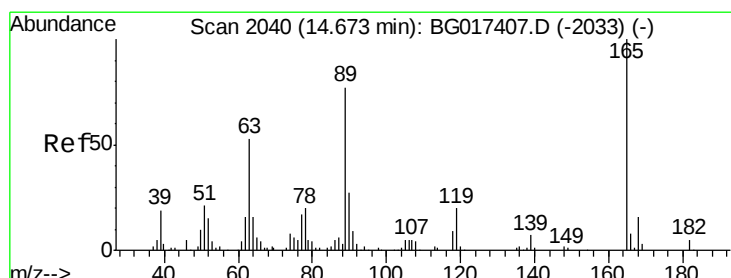
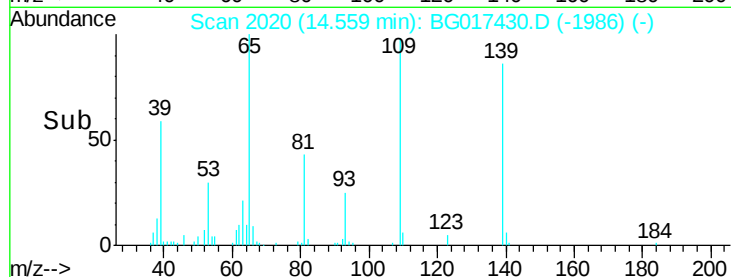
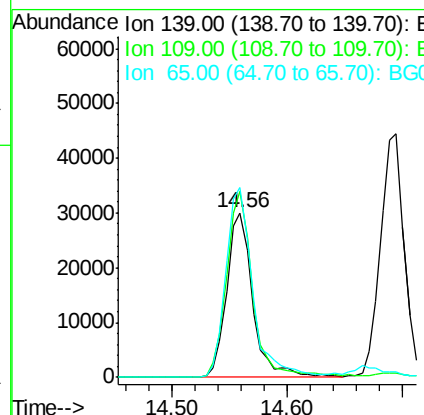
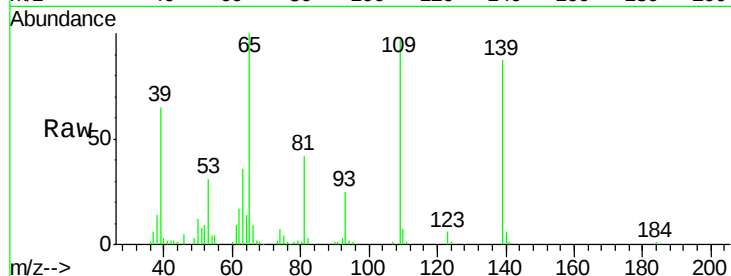




#55
4-Nitrophenol
Concen: 57.02 ng
RT: 14.56 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

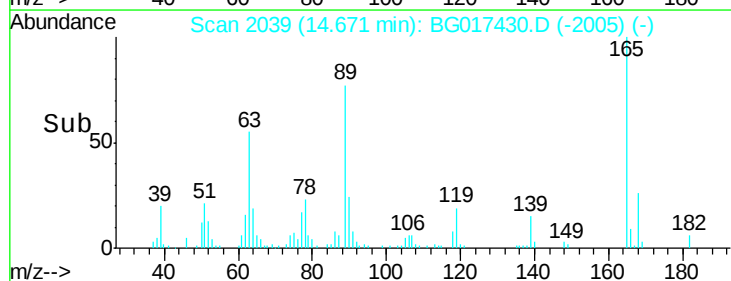
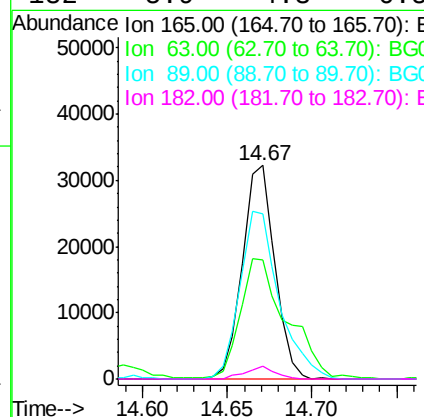
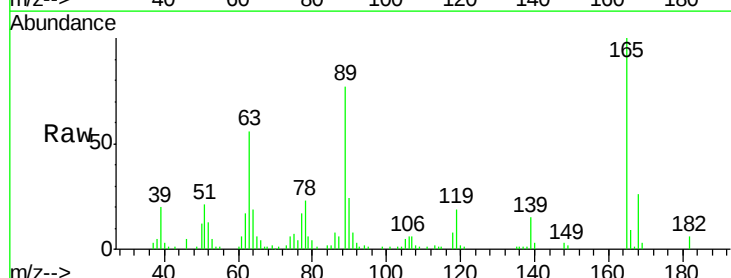
Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

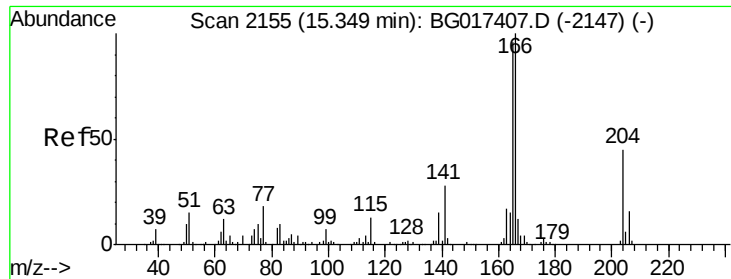
Tgt Ion:139 Resp: 47221
Ion Ratio Lower Upper
139 100
109 112.9 89.5 129.5
65 115.1 95.9 135.9



#56
2,4-Dinitrotoluene
Concen: 31.42 ng
RT: 14.67 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:165 Resp: 43067
Ion Ratio Lower Upper
165 100
63 55.5 42.9 64.3
89 77.2 61.5 92.3
182 5.9 4.3 6.5

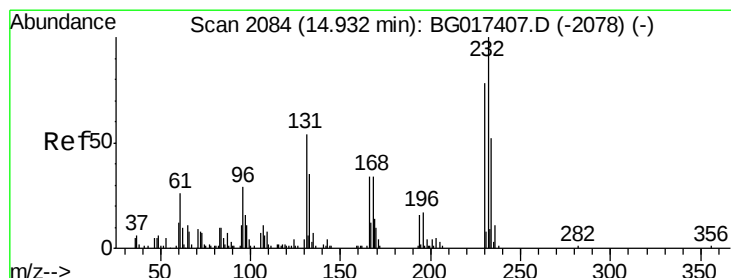
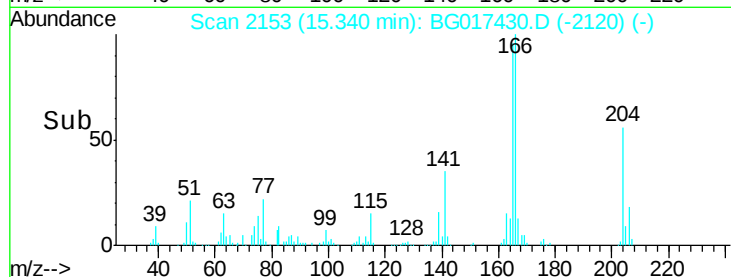
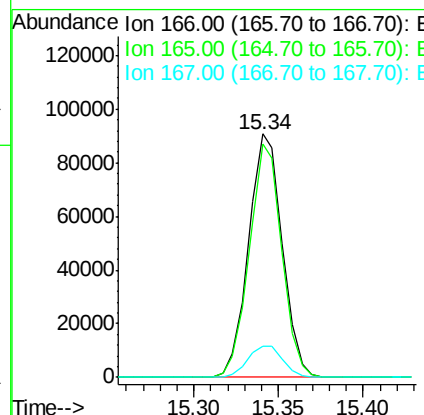
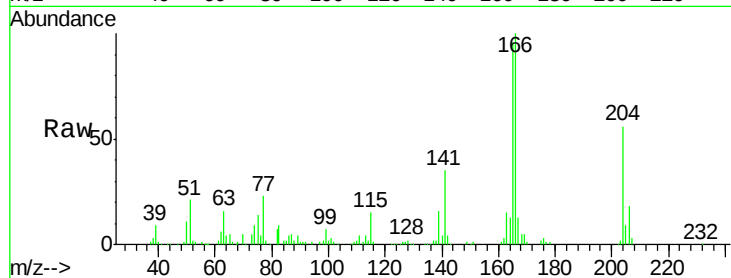




#57
Fluorene
 Concen: 30.06 ng
 RT: 15.34 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

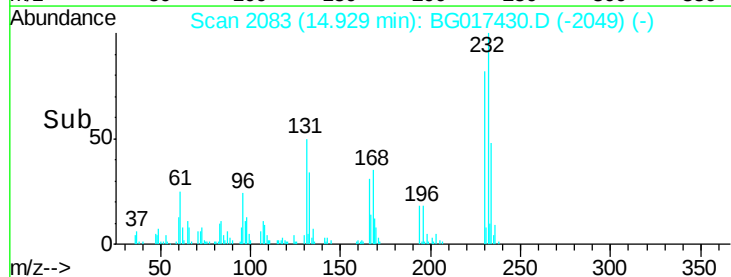
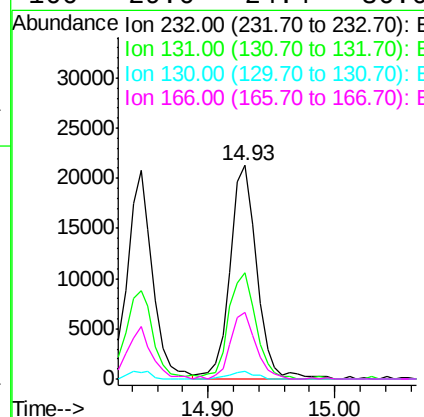
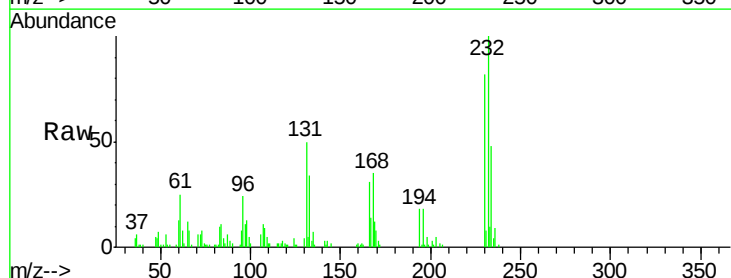
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:166 Resp: 125571
 Ion Ratio Lower Upper
 166 100
 165 96.0 76.8 115.2
 167 12.9 9.9 14.9



#58
2,3,4,6-Tetrachlorophenol
 Concen: 28.96 ng
 RT: 14.93 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:232 Resp: 31021
 Ion Ratio Lower Upper
 232 100
 131 51.4 40.1 60.1
 130 3.6 2.6 4.0
 166 29.6 24.4 36.6

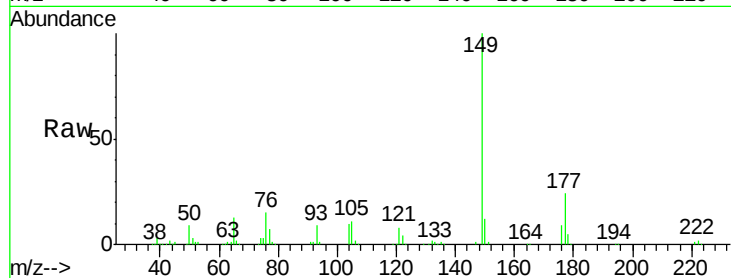




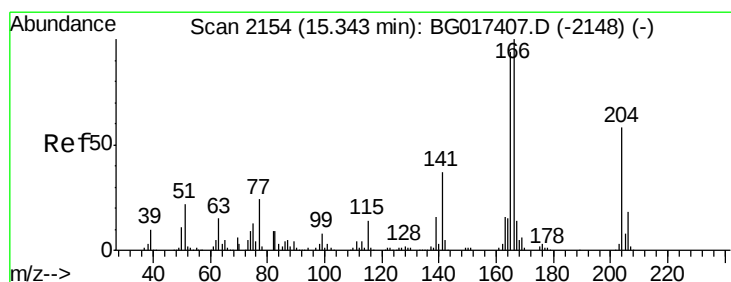
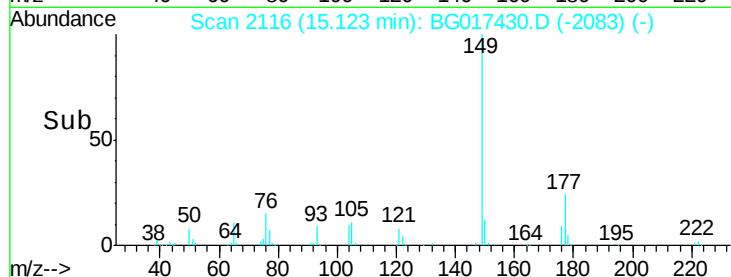
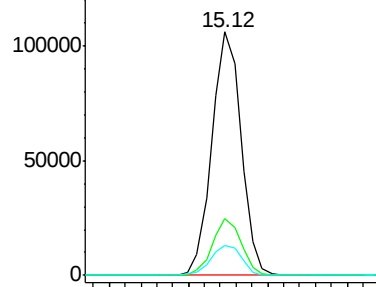
#59
Diethylphthalate
Concen: 29.24 ng
RT: 15.12 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

Tgt Ion:149 Resp: 135930
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.0 10.6 16.0

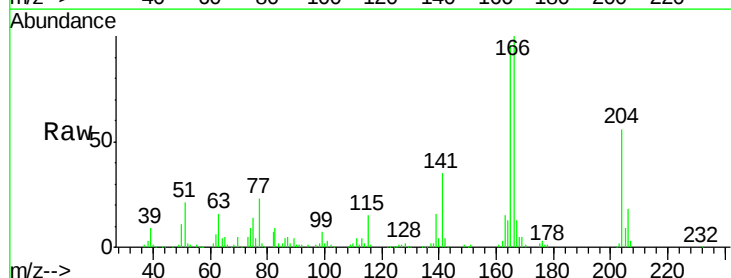


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

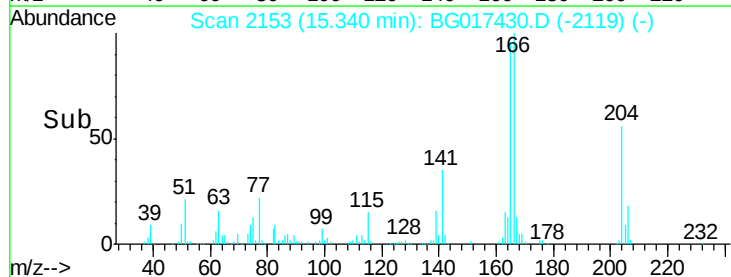
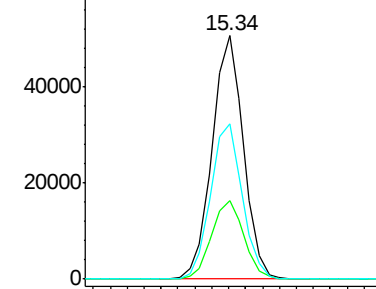


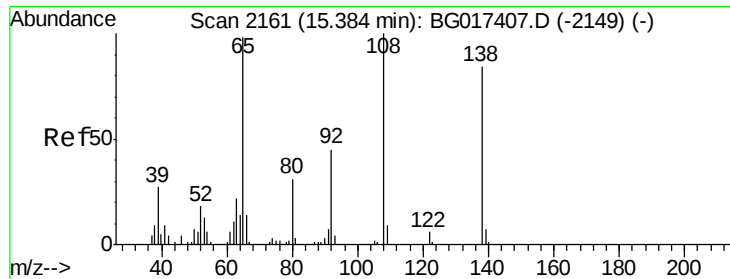
#60
4-Chlorophenyl-phenylether
Concen: 30.85 ng
RT: 15.34 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:204 Resp: 65308
Ion Ratio Lower Upper
204 100
206 32.4 25.0 37.4
141 63.6 50.9 76.3



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

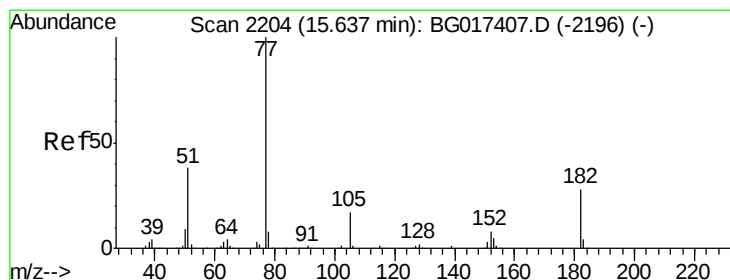
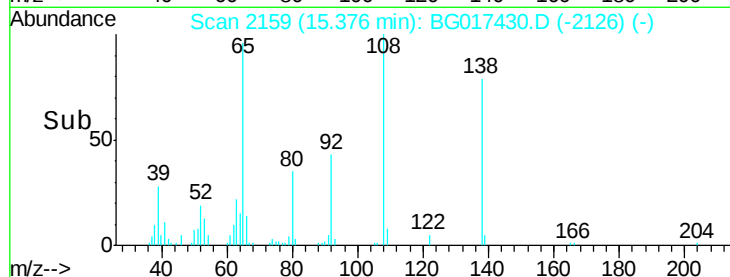
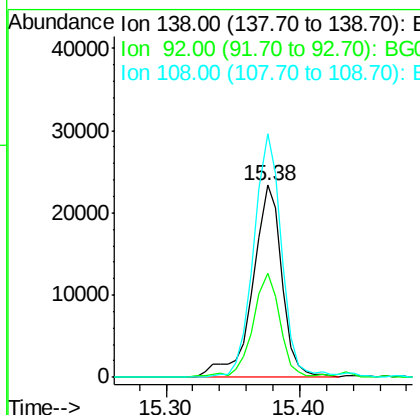
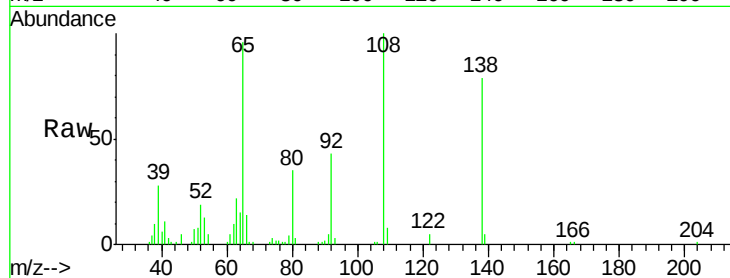




#61
4-Nitroaniline
Concen: 30.66 ng
RT: 15.38 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

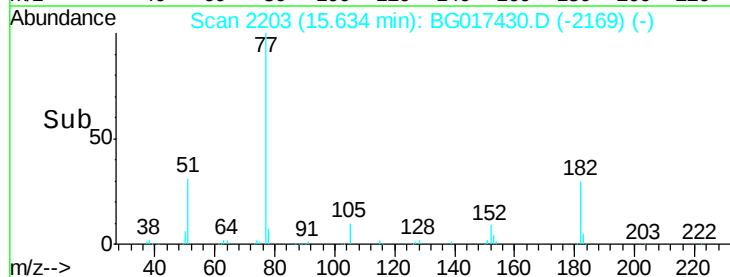
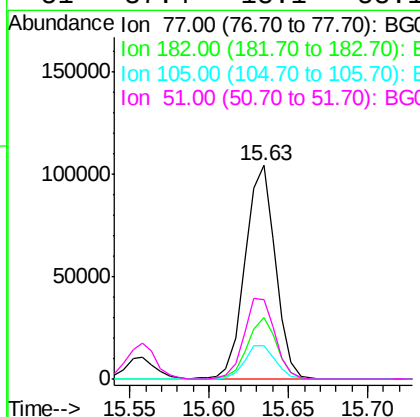
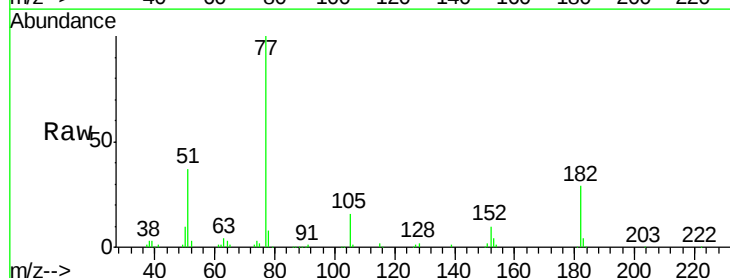
Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

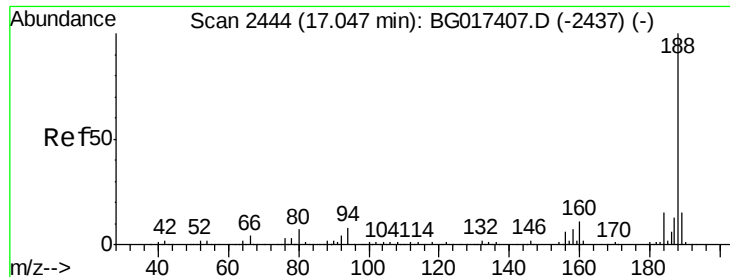
Tgt Ion:138 Resp: 35185
Ion Ratio Lower Upper
138 100
92 54.4 33.7 73.7
108 127.0 98.7 138.7



#62
Azobenzene
Concen: 31.16 ng
RT: 15.63 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion: 77 Resp: 137664
Ion Ratio Lower Upper
77 100
182 29.0 8.0 48.0
105 15.7 0.0 36.9
51 37.4 18.1 58.1

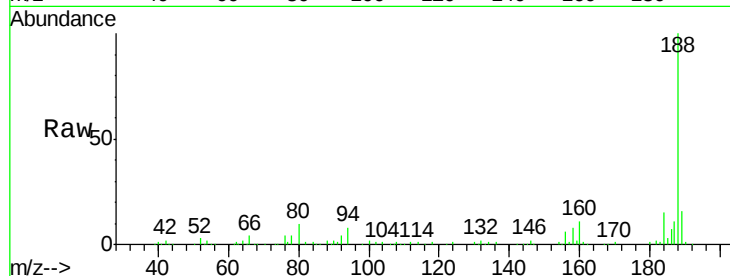




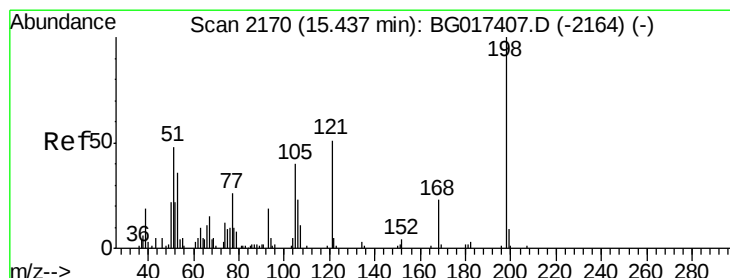
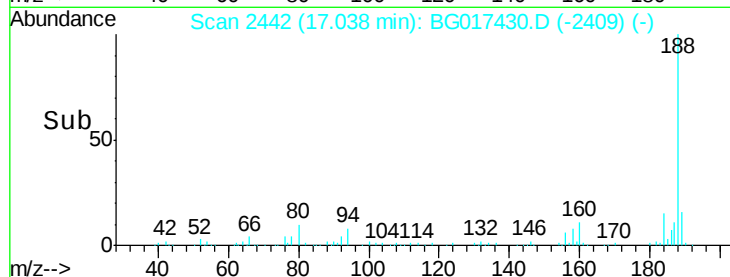
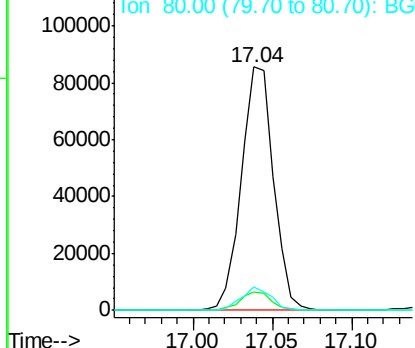
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

Tgt Ion:188 Resp: 120222
Ion Ratio Lower Upper
188 100
94 7.7 6.3 9.5
80 9.7 5.2 7.8#

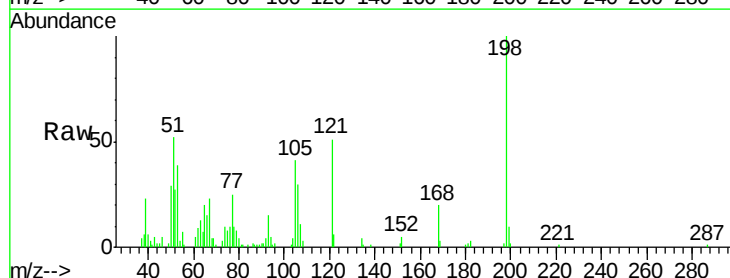


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

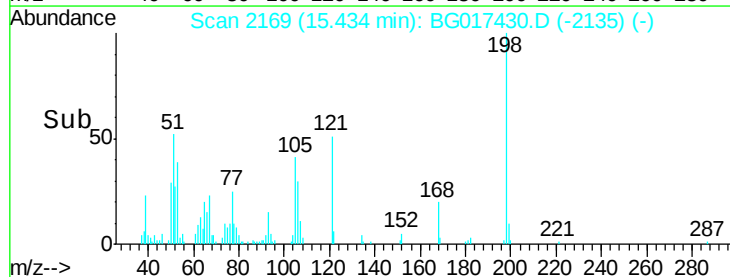
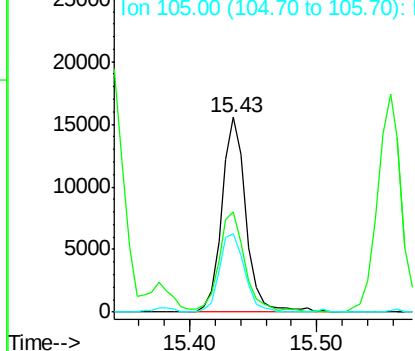


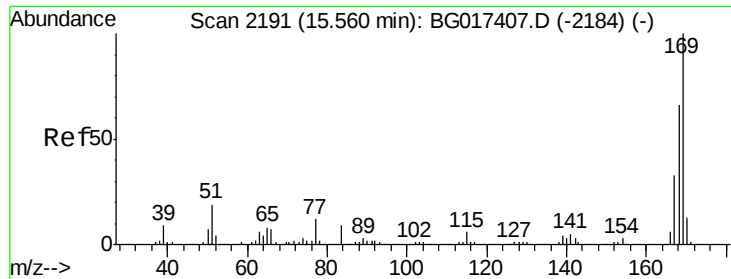
#64
4,6-Dinitro-2-methylphenol
Concen: 22.95 ng
RT: 15.43 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:198 Resp: 20456
Ion Ratio Lower Upper
198 100
51 51.5 30.3 70.3
105 40.5 20.8 60.8



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

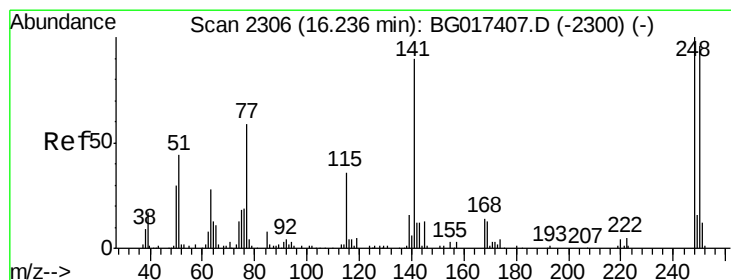
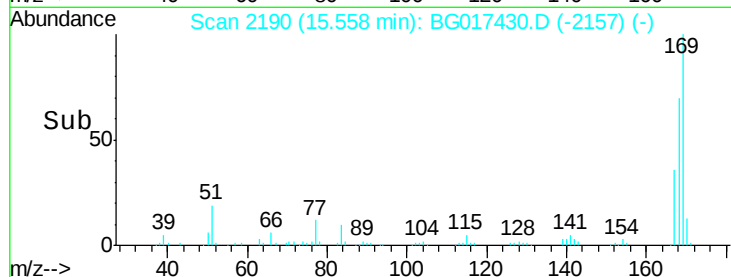
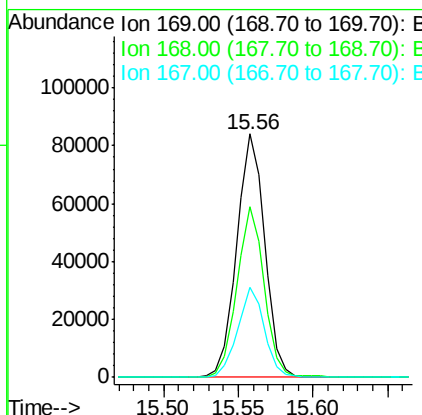
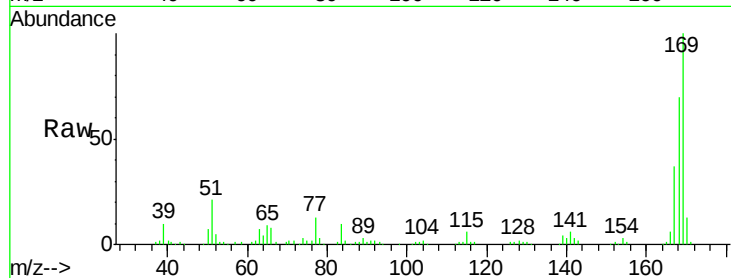




#65
 n-Nitrosodiphenylamine
 Concen: 30.66 ng
 RT: 15.56 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

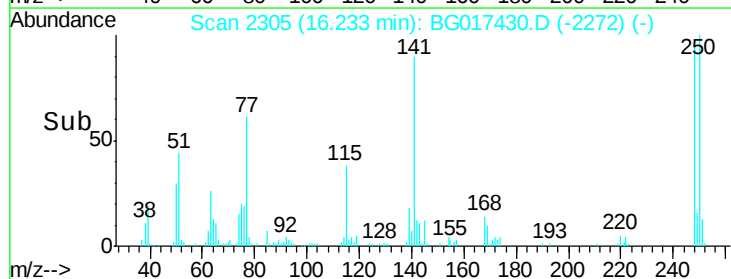
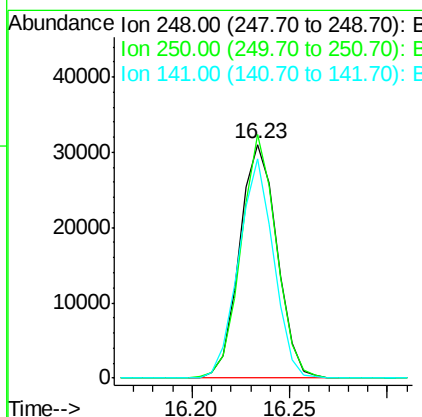
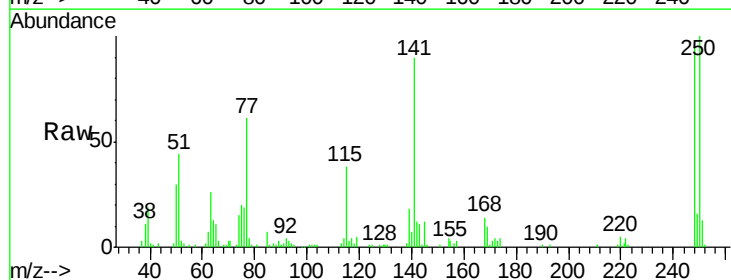
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

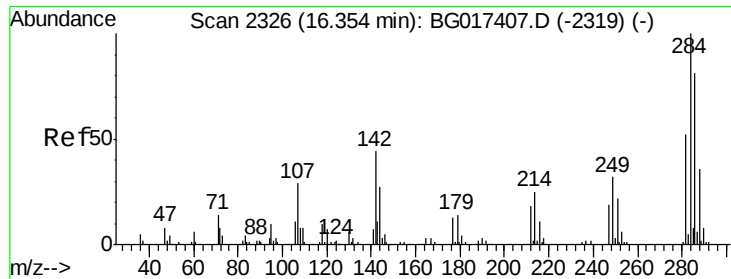
Tgt Ion:169 Resp: 109928
 Ion Ratio Lower Upper
 169 100
 168 70.0 52.4 78.6
 167 36.8 26.3 39.5



#66
 4-Bromophenyl-phenylether
 Concen: 30.92 ng
 RT: 16.23 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:248 Resp: 41146
 Ion Ratio Lower Upper
 248 100
 250 104.1 76.9 115.3
 141 93.9 71.8 107.6





#67

Hexachlorobenzene

Concen: 30.91 ng

RT: 16.35 min Scan# 2324

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

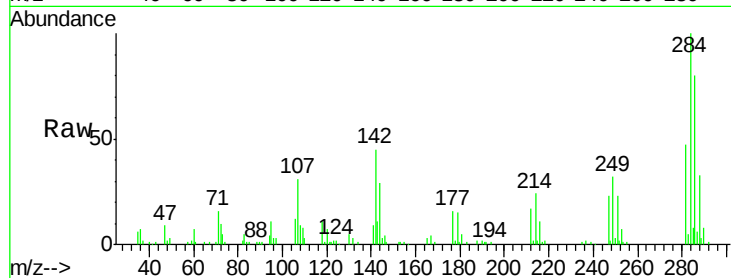
Tgt Ion:284 Resp: 44224

Ion Ratio Lower Upper

284 100

142 44.8 35.2 52.8

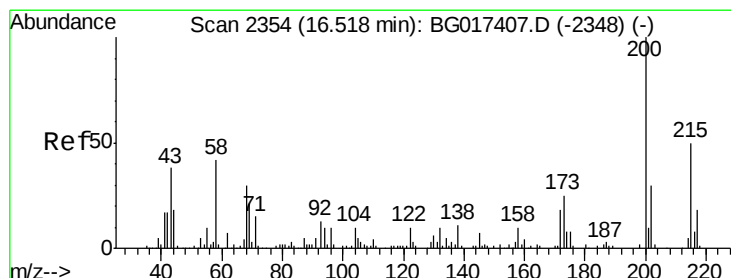
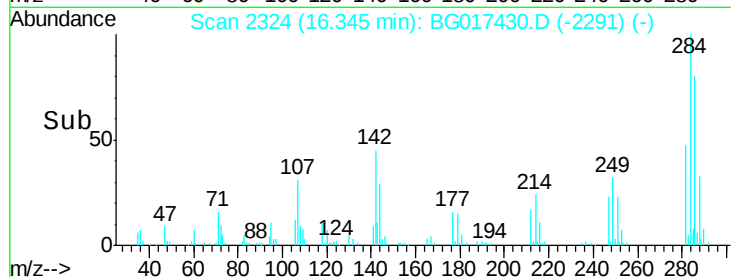
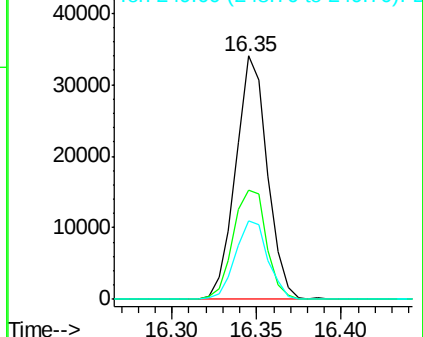
249 32.4 25.9 38.9



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: 30.49 ng

RT: 16.52 min Scan# 2353

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

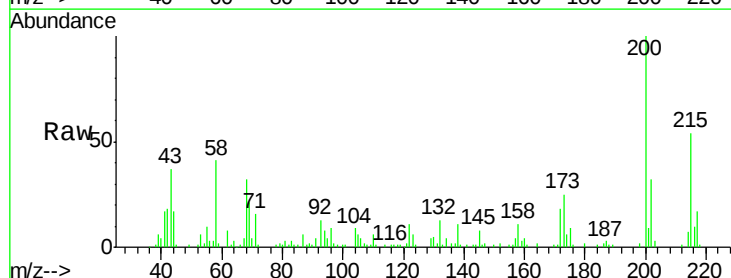
Tgt Ion:200 Resp: 48120

Ion Ratio Lower Upper

200 100

173 25.4 4.9 44.9

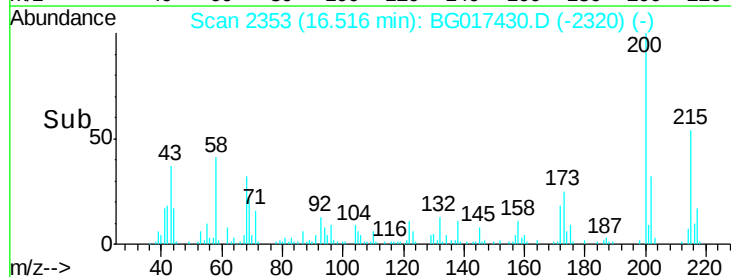
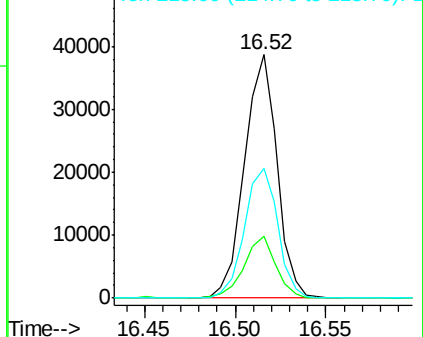
215 53.5 30.1 70.1

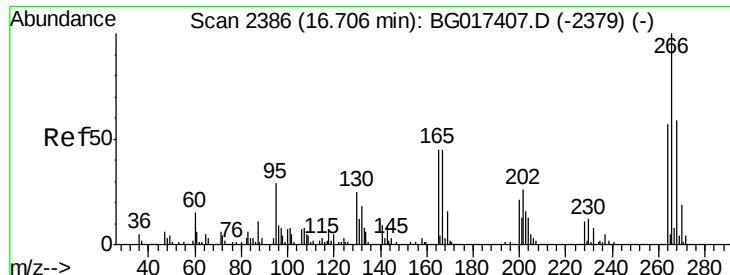


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 49.55 ng

RT: 16.70 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

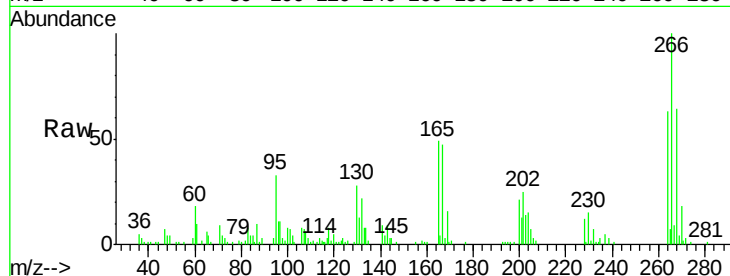
Tgt Ion:266 Resp: 41423

Ion Ratio Lower Upper

266 100

268 64.1 47.0 70.6

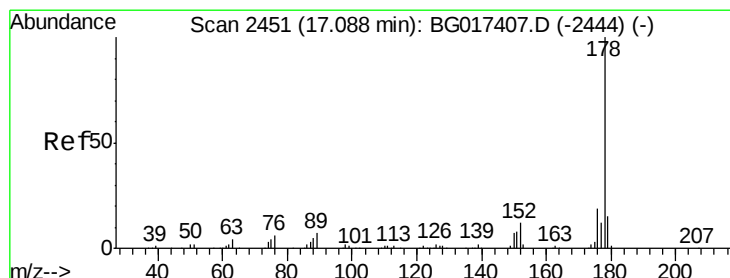
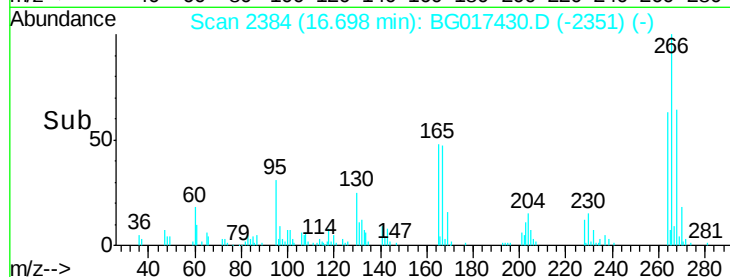
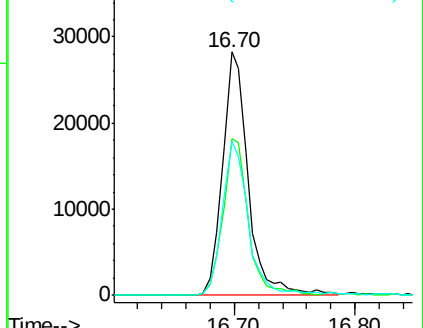
264 63.2 45.7 68.5



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: 30.50 ng

RT: 17.09 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

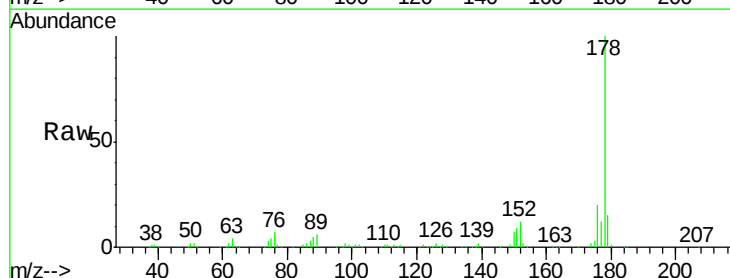
Tgt Ion:178 Resp: 204448

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

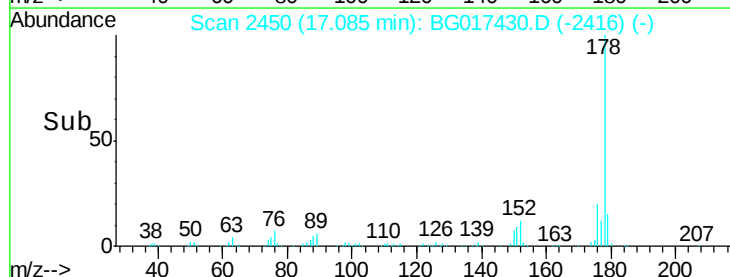
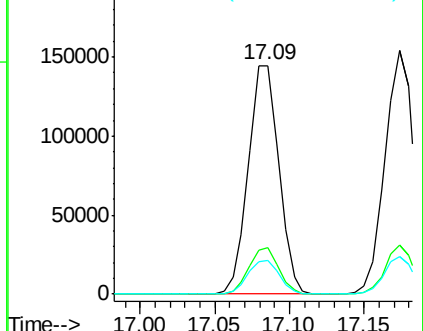
179 14.5 12.2 18.2

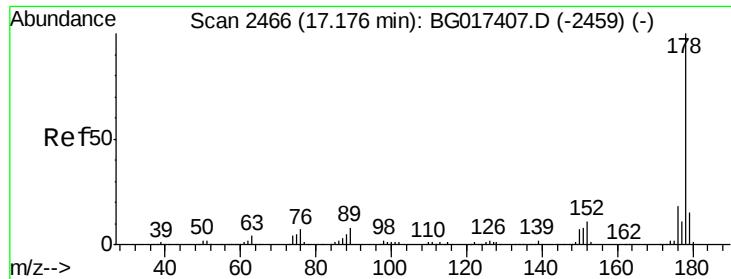


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

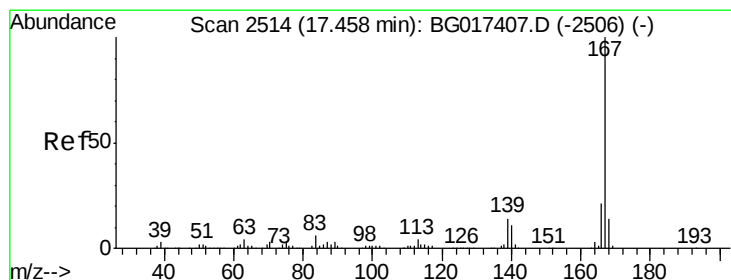
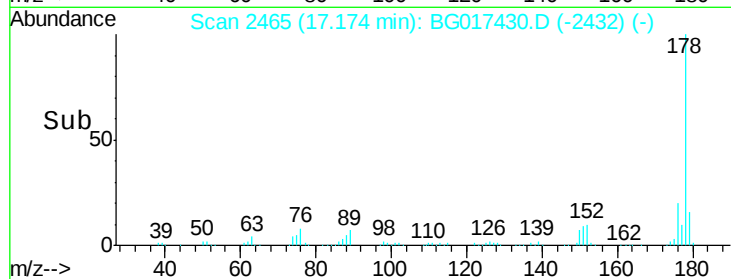
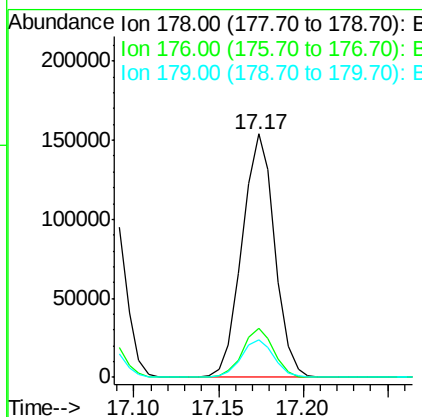
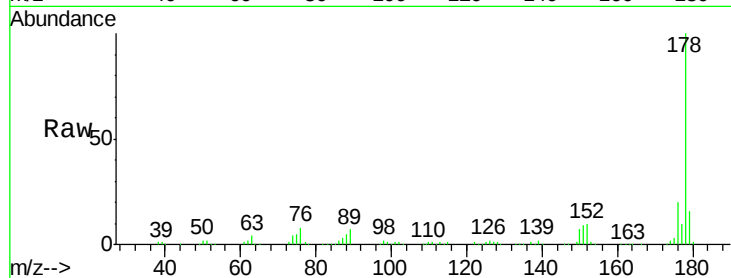




#71
 Anthracene
 Concen: 30.84 ng
 RT: 17.17 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

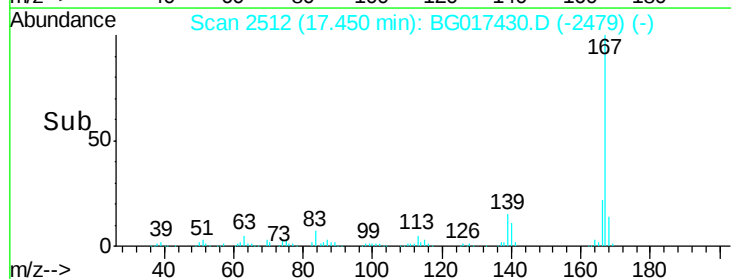
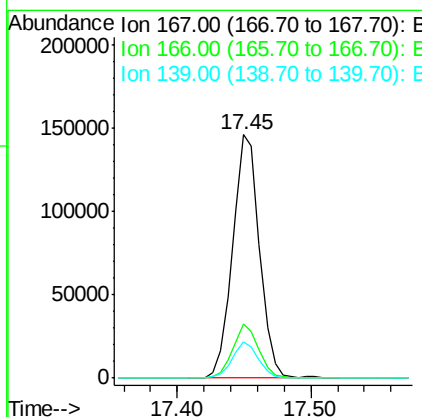
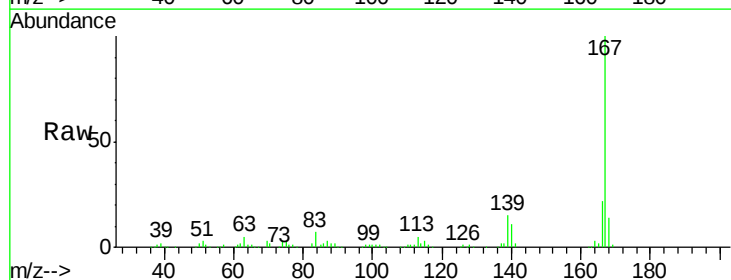
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

Tgt Ion:178 Resp: 206509
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.2 21.2
 179 15.6 12.2 18.4



#72
 Carbazole
 Concen: 30.98 ng
 RT: 17.45 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion:167 Resp: 204840
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.4
 139 15.1 11.3 16.9





#73

Di-n-butylphthalate

Concen: 31.45 ng

RT: 18.01 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

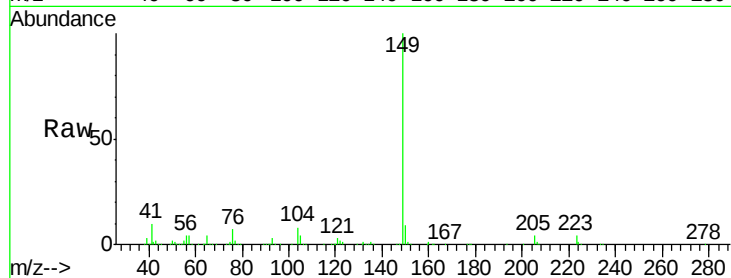
Tgt Ion:149 Resp: 266260

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

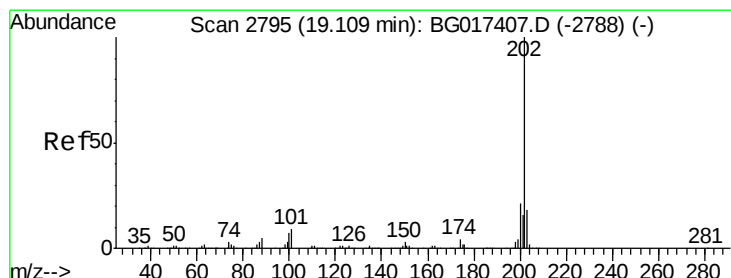
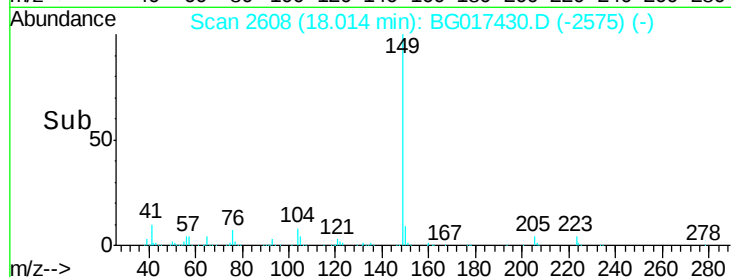
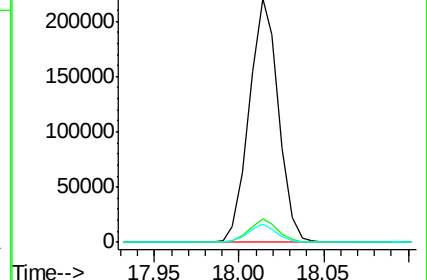
104 7.6 5.4 8.2



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: 31.72 ng

RT: 19.11 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

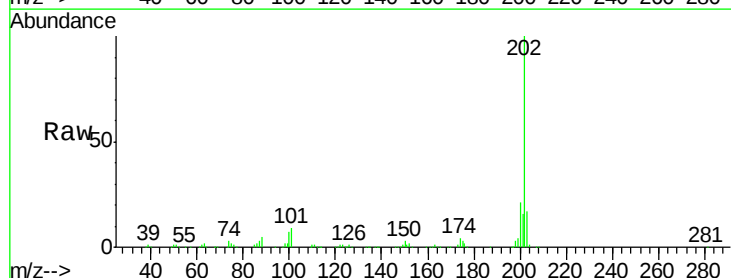
Tgt Ion:202 Resp: 278073

Ion Ratio Lower Upper

202 100

101 9.4 0.0 28.8

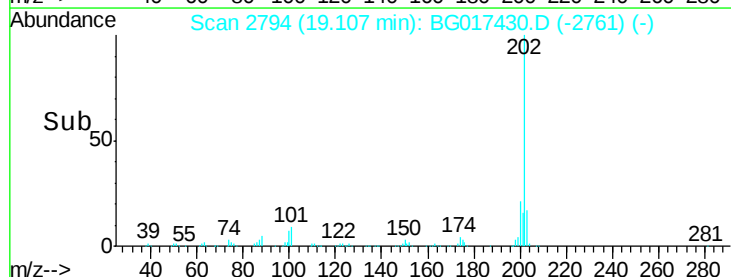
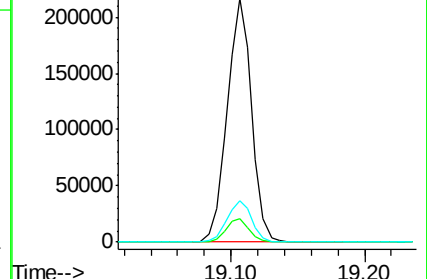
203 17.1 0.0 37.6

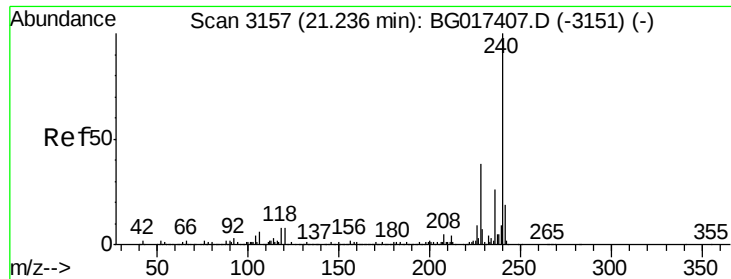


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

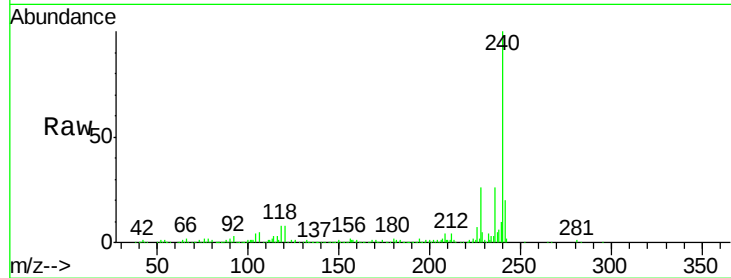
Tgt Ion:240 Resp: 152955

Ion Ratio Lower Upper

240 100

120 7.7 6.5 9.7

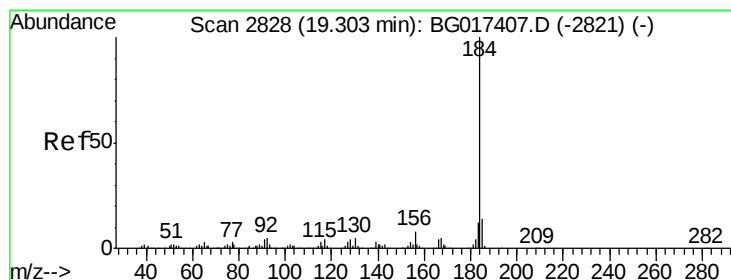
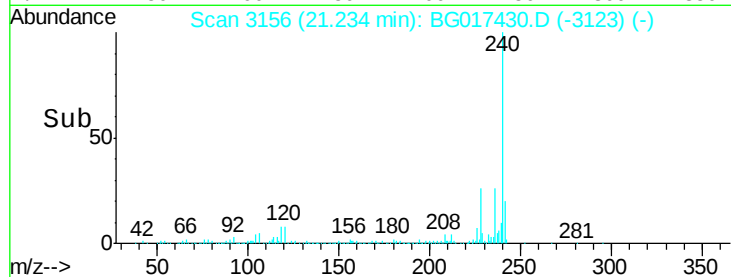
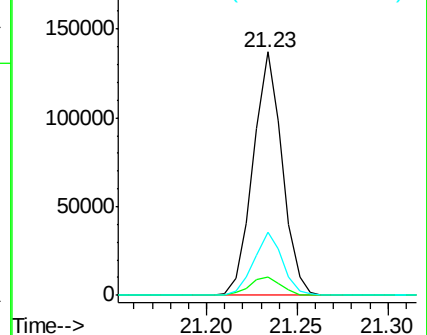
236 25.9 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 15.43 ng

RT: 19.30 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

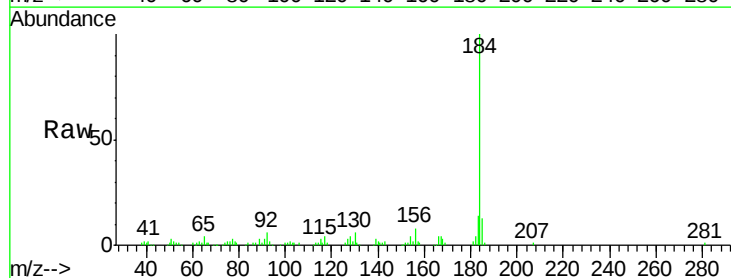
Tgt Ion:184 Resp: 81093

Ion Ratio Lower Upper

184 100

185 13.3 11.0 16.6

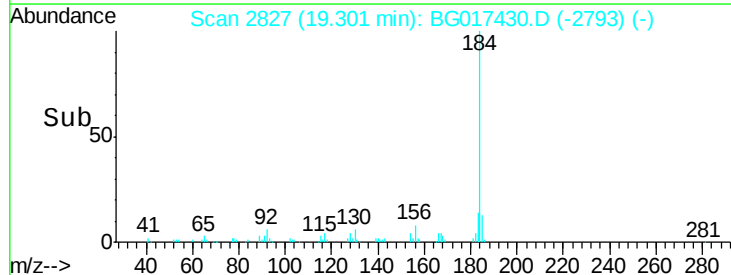
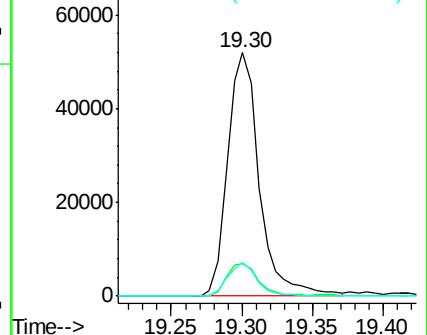
183 13.8 9.8 14.8

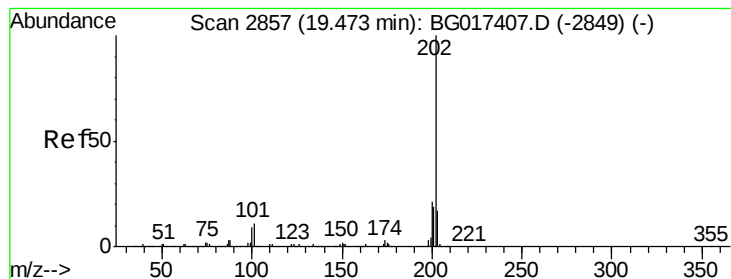


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 30.31 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

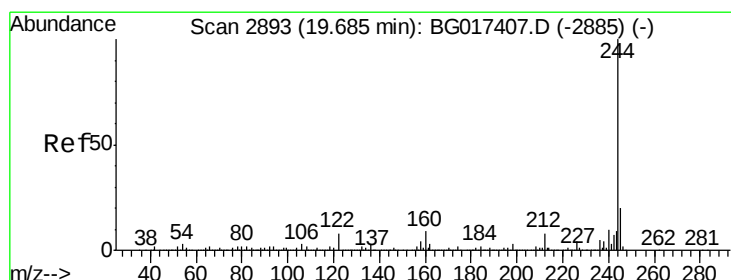
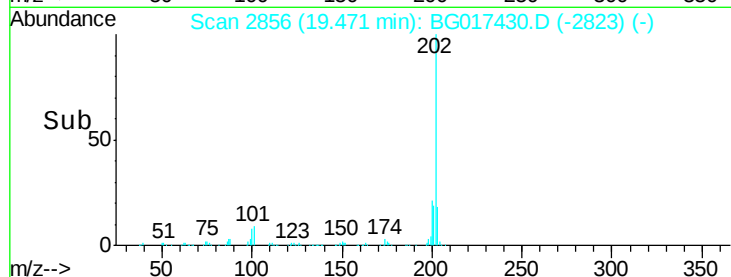
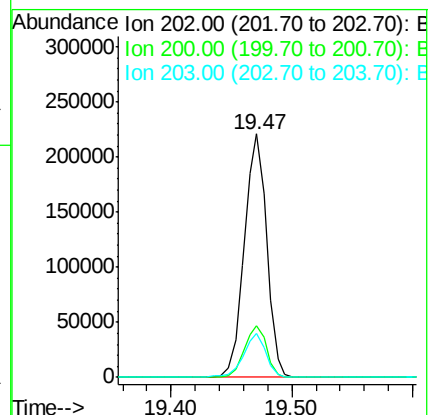
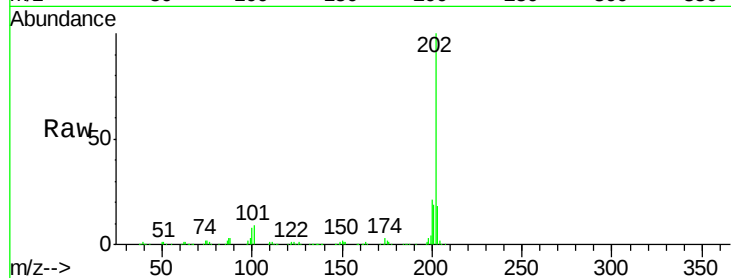
Tgt Ion:202 Resp: 285612

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.2 13.9 20.9



#78

Terphenyl-d14

Concen: 59.54 ng

RT: 19.68 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

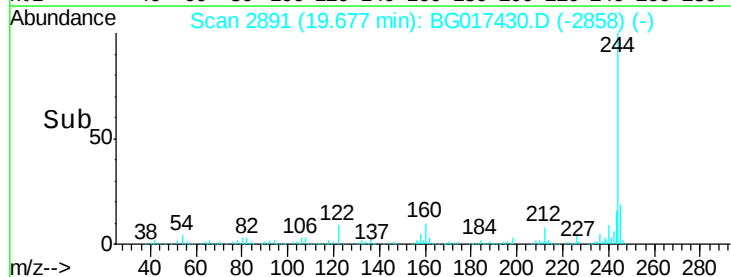
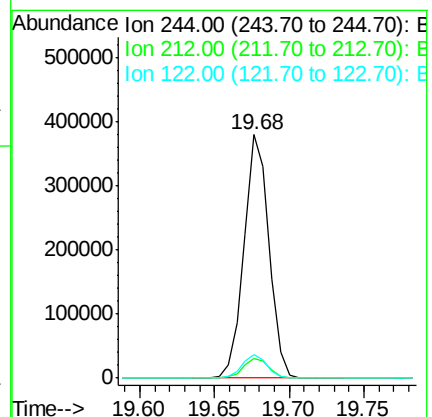
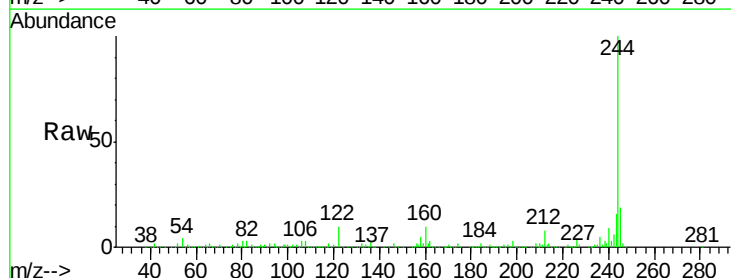
Tgt Ion:244 Resp: 440633

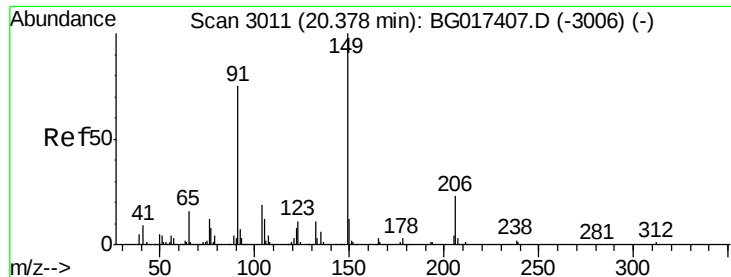
Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

122 9.7 6.6 10.0

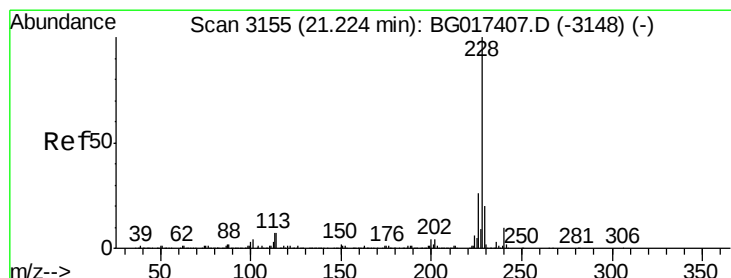
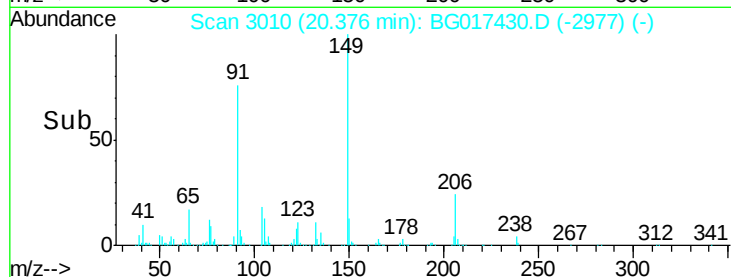
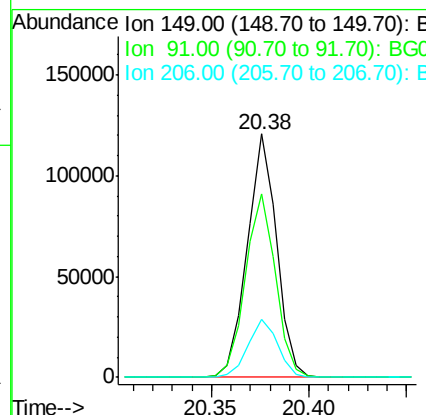
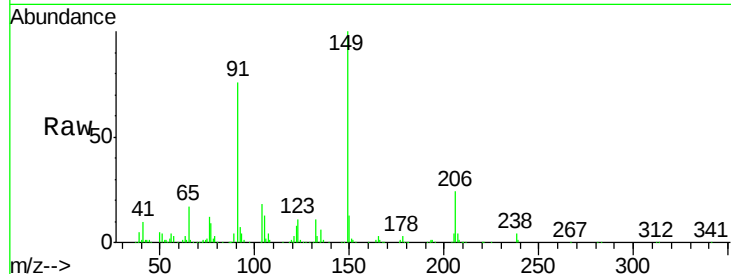




#79
Butylbenzylphthalate
Concen: 30.89 ng
RT: 20.38 min Scan# 3010
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

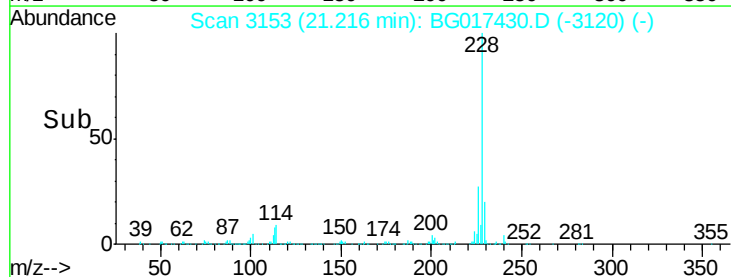
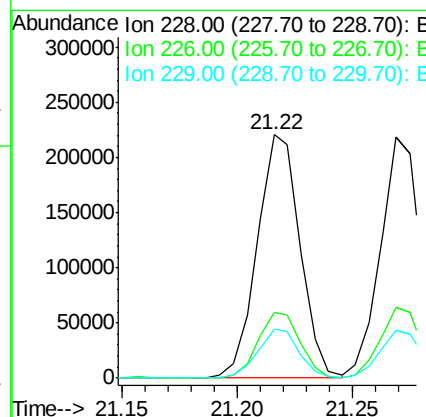
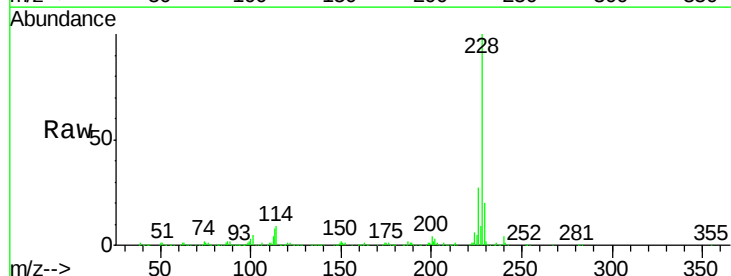
Instrument :
BNA_G
ClientSampleId :
PENRD8.1(4)MSD

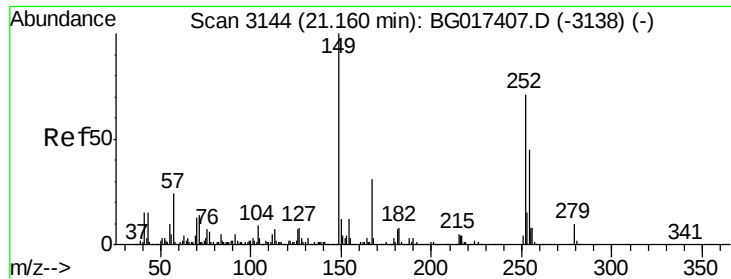
Tgt Ion:149 Resp: 125946
Ion Ratio Lower Upper
149 100
91 75.5 59.8 89.6
206 23.9 18.2 27.2



#80
Benzo(a)anthracene
Concen: 30.21 ng
RT: 21.22 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG017430.D
Acq: 4 Jun 2015 6:17

Tgt Ion:228 Resp: 284217
Ion Ratio Lower Upper
228 100
226 26.8 21.0 31.6
229 20.4 15.7 23.5

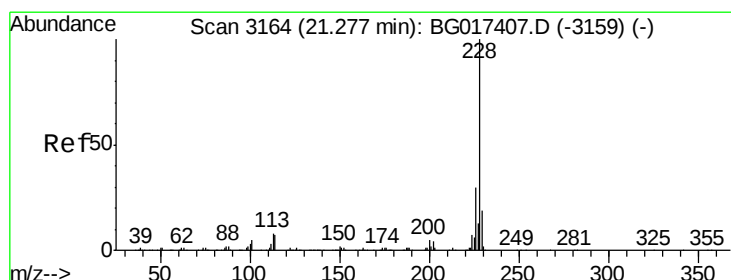
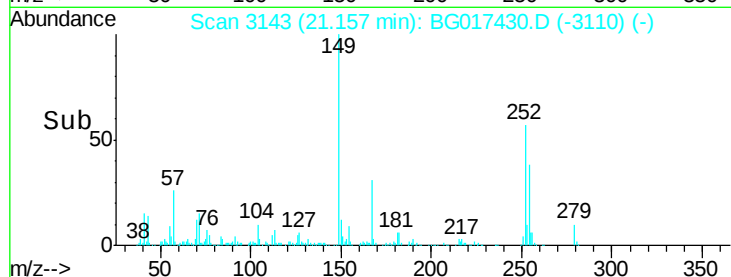
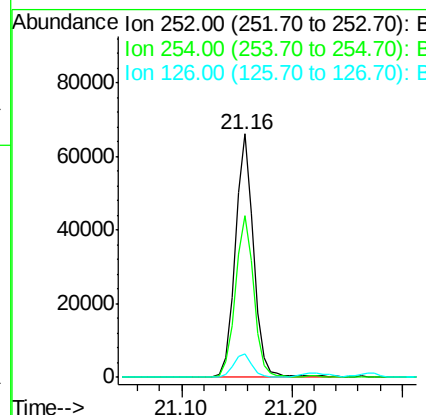
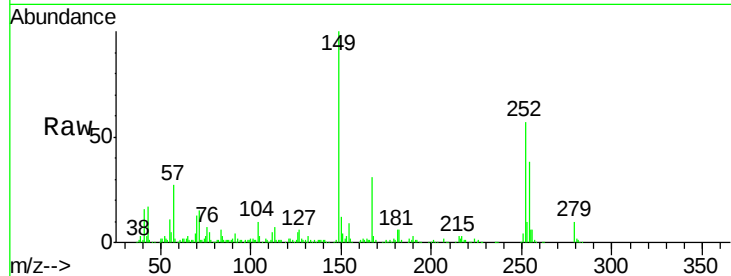




#81
 3,3'-Dichlorobenzidine
 Concen: 21.84 ng
 RT: 21.16 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

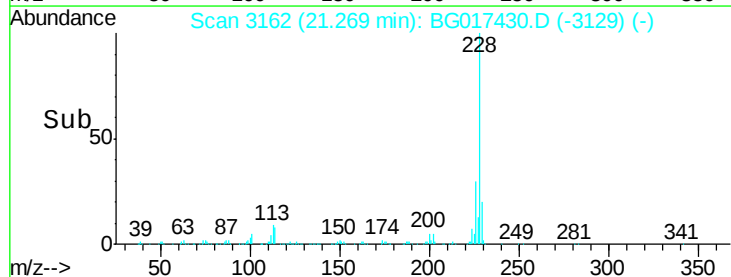
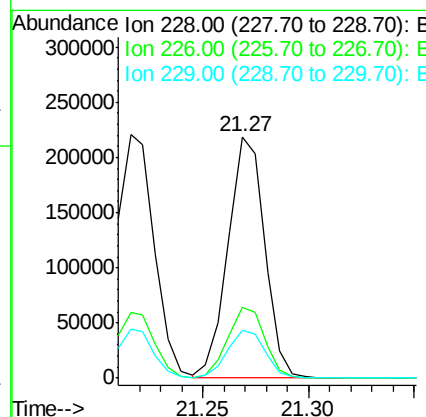
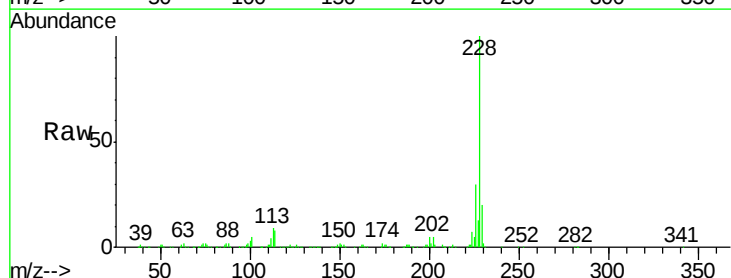
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

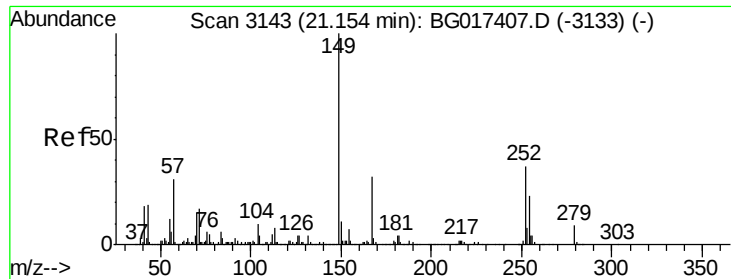
Tgt Ion: 252 Resp: 76756
 Ion Ratio Lower Upper
 252 100
 254 66.4 51.1 76.7
 126 9.4 8.2 12.2



#82
 Chrysene
 Concen: 30.66 ng
 RT: 21.27 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion: 228 Resp: 261153
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.7 35.5
 229 19.8 15.2 22.8

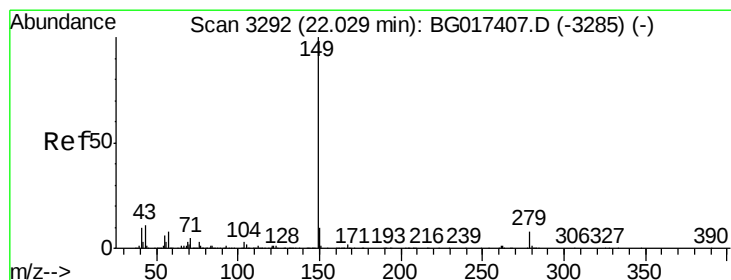
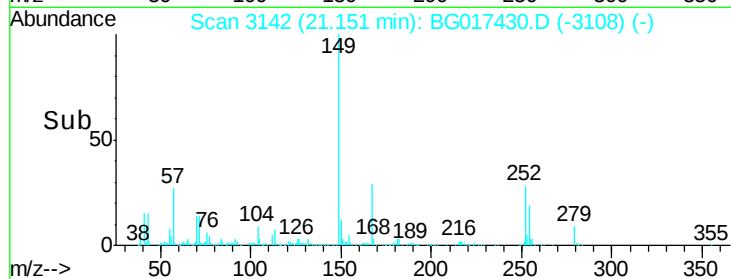
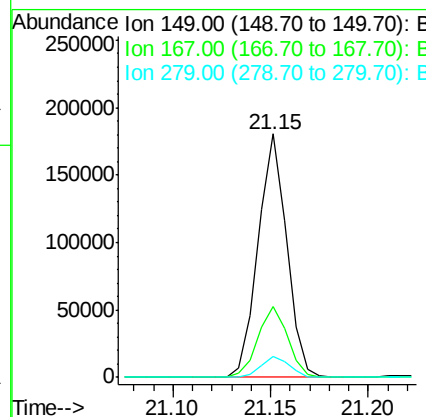
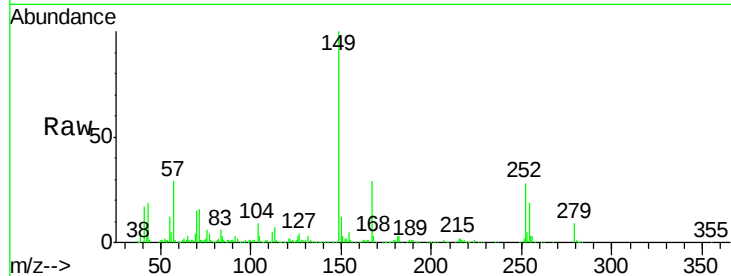




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 31.17 ng
 RT: 21.15 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

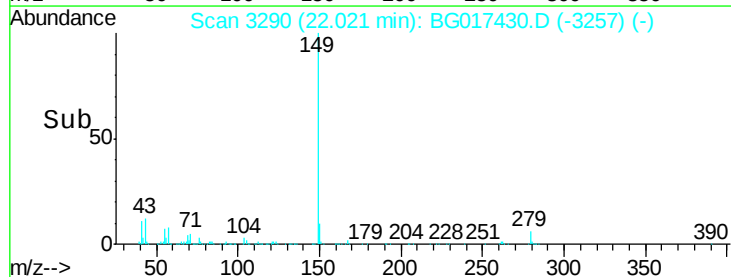
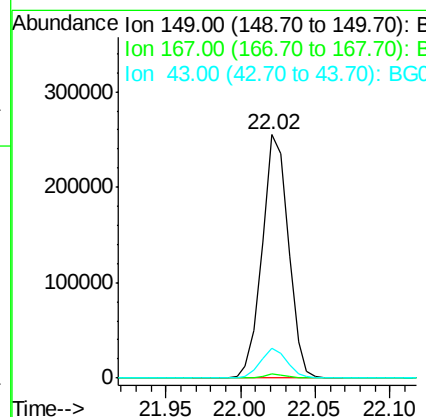
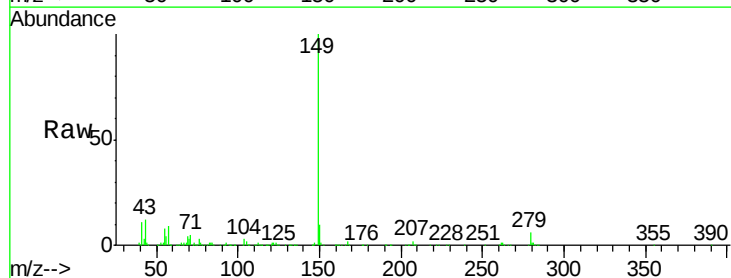
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

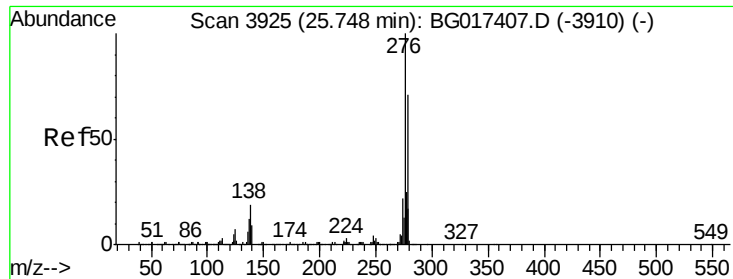
Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	25.4	38.2
279	8.8	7.1	10.7



#84
 Di-n-octyl phthalate
 Concen: 31.31 ng
 RT: 22.02 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.2
43	12.3	9.8	14.6

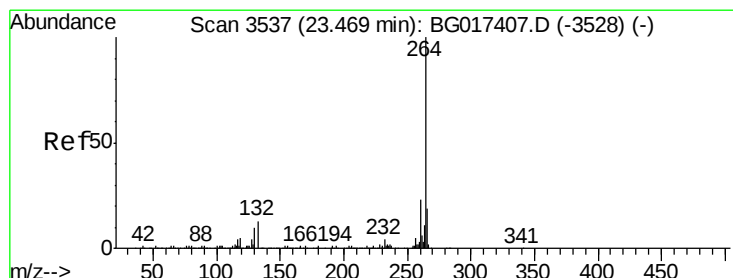
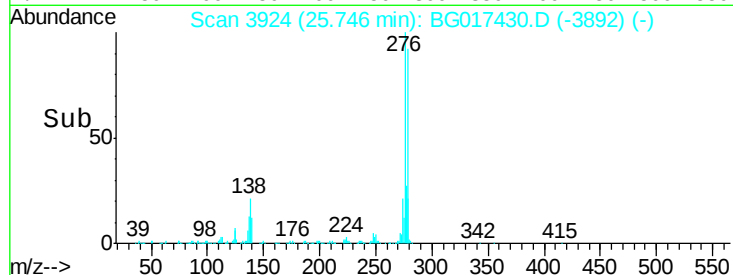
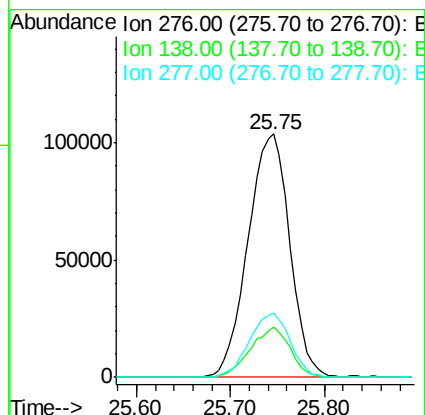
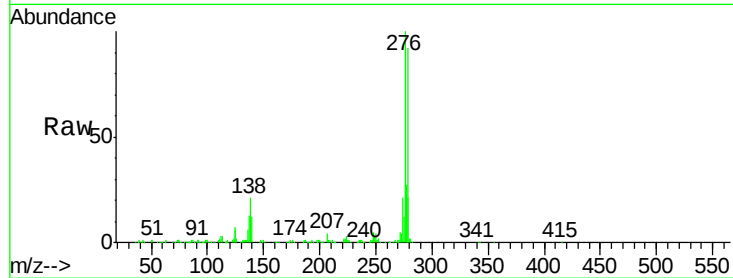




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 29.73 ng
 RT: 25.75 min Scan# 3924
 Delta R.T. -0.01 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

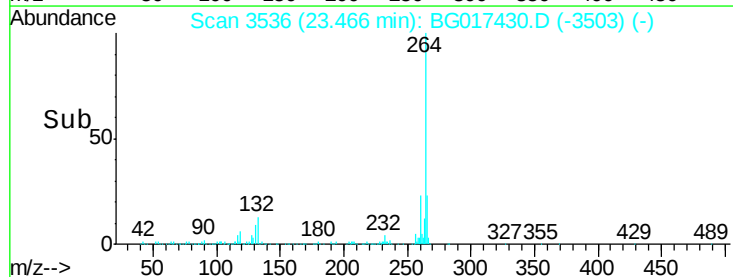
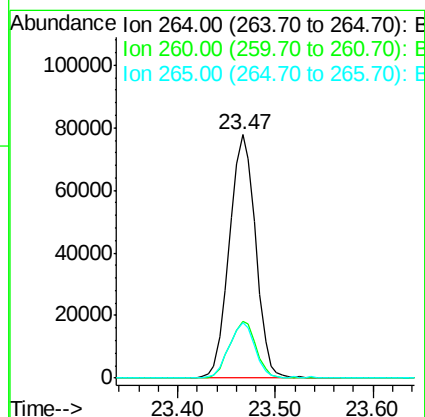
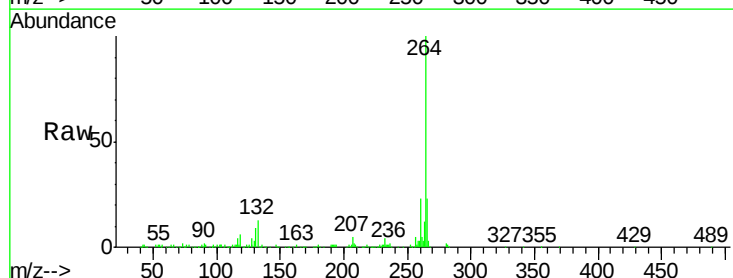
Instrument :
 BNA_G
 ClientSampleId :
 PENRD8.1(4)MSD

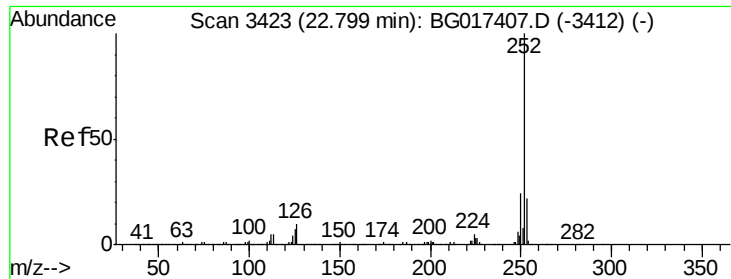
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.4	23.0
277	25.7	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.47 min Scan# 3536
 Delta R.T. -0.00 min
 Lab File: BG017430.D
 Acq: 4 Jun 2015 6:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	22.9	15.8	23.6





#87

Benzo(b)fluoranthene

Concen: 30.79 ng

RT: 22.80 min Scan# 3422

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

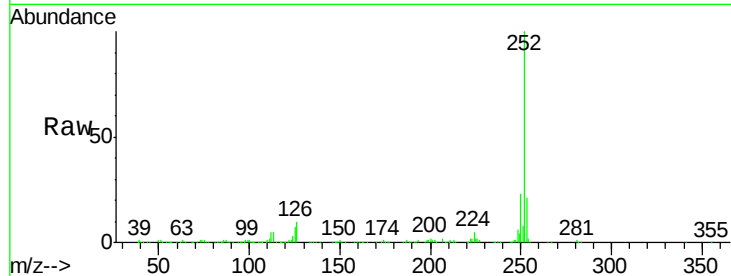
Tgt Ion:252 Resp: 282821

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

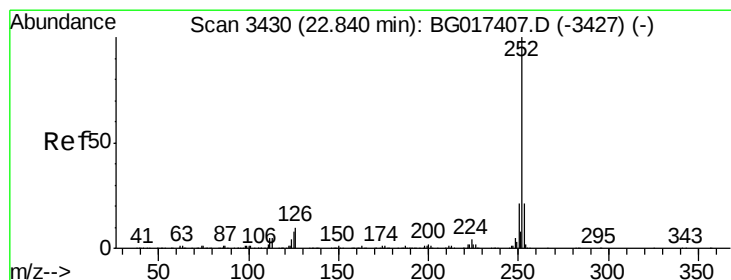
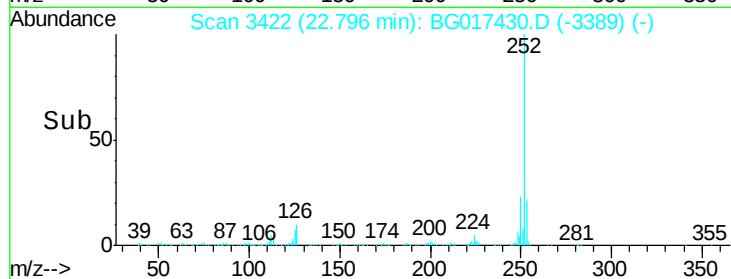
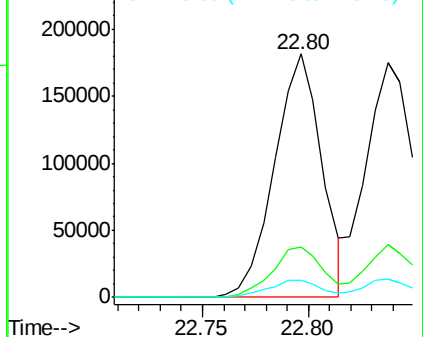
125 7.0 5.8 8.8



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



#88

Benzo(k)fluoranthene

Concen: 31.04 ng

RT: 22.84 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

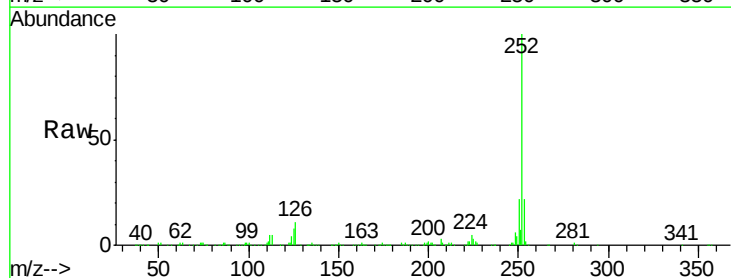
Tgt Ion:252 Resp: 272899

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

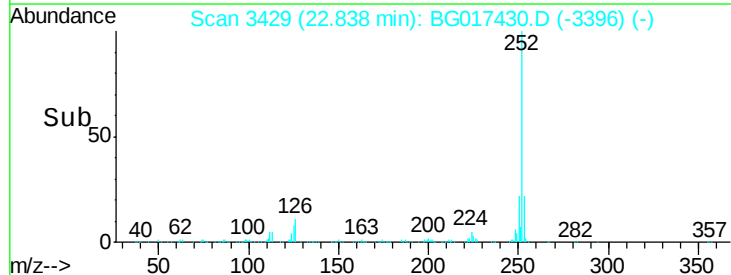
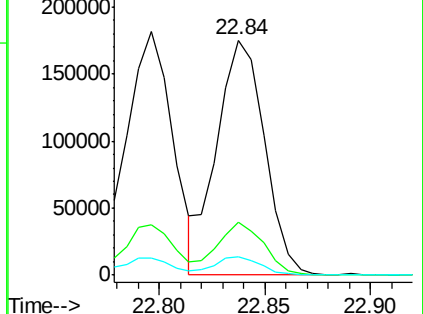
125 7.8 6.5 9.7



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: 31.88 ng

RT: 23.37 min Scan# 3520

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

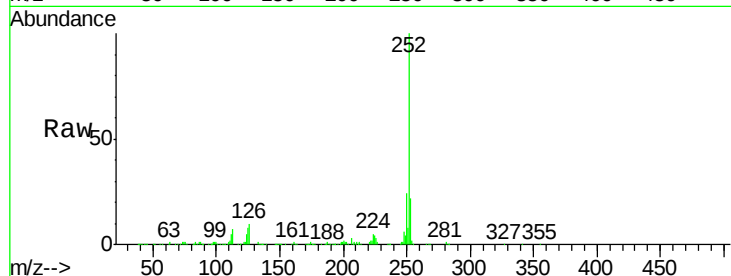
Tgt Ion:252 Resp: 268606

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

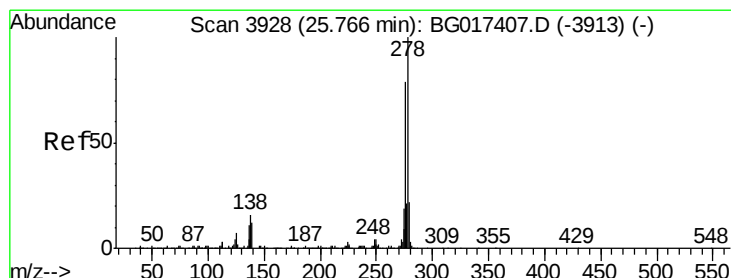
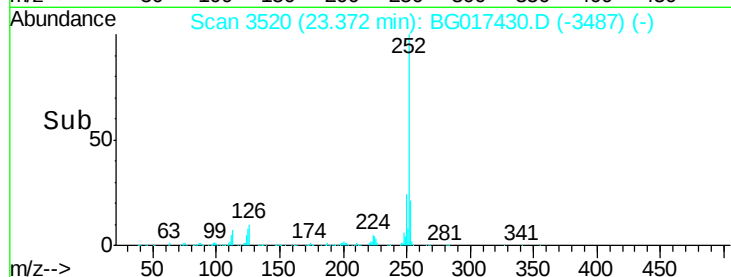
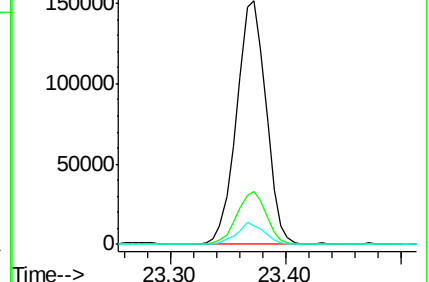
125 7.8 6.5 9.7



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: 30.52 ng

RT: 25.76 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

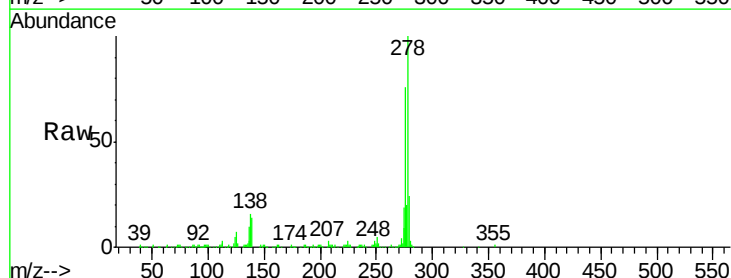
Tgt Ion:278 Resp: 267158

Ion Ratio Lower Upper

278 100

139 13.9 9.4 14.0

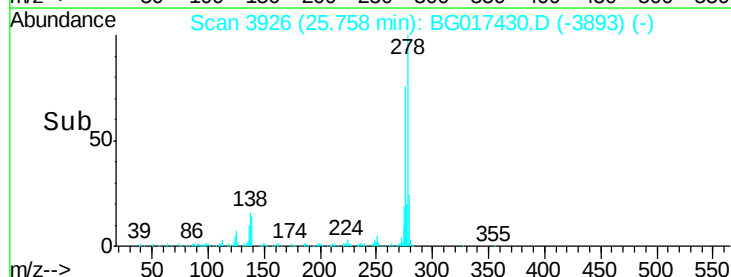
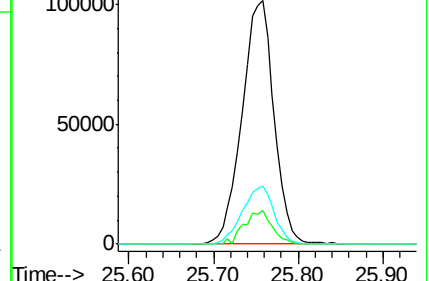
279 23.7 17.8 26.8



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: 30.64 ng

RT: 26.44 min Scan# 4042

Delta R.T. -0.01 min

Lab File: BG017430.D

Acq: 4 Jun 2015 6:17

Instrument :

BNA_G

ClientSampleId :

PENRD8.1(4)MSD

Tgt Ion: 276 Resp: 255266

Ion Ratio Lower Upper

276 100

277 22.6 19.2 28.8

138 16.0 13.5 20.3

