

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089234.D
 Acq On : 23 Jul 2016 13:30
 Operator : UM/SJ
 Sample : H4120-08MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Quant Time: Jul 25 01:08:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	45996	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	195494	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	91632	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	179767	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	113820	20.00	ng	-0.01
86) Perylene-d12	15.05	264	90867	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	259783	85.90	ng	-0.02
7) Phenol-d6	6.24	99	247493	63.46	ng	-0.03
23) Nitrobenzene-d5	7.15	82	341745	92.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	106663	129.29	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	631177	94.91	ng	-0.02
78) Terphenyl-d14	12.67	244	547538	104.34	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.06	88	30903	23.53	ng	# 86
3) Pyridine	2.68	79	61685	18.49	ng	98
4) n-Nitrosodimethylamine	2.65	42	30819	21.95	ng	97
6) Aniline	6.25	93	112463	21.34	ng	# 80
8) 2-Chlorophenol	6.36	128	134433	40.06	ng	90
9) Benzaldehyde	6.12	77	33312	13.74	ng	99
10) Phenol	6.25	94	98301	21.88	ng	# 63
11) bis(2-Chloroethyl)ether	6.33	93	148668	44.06	ng	96
12) 1,3-Dichlorobenzene	6.51	146	122835	33.15	ng	99
13) 1,4-Dichlorobenzene	6.59	146	138409	37.08	ng	99
14) 1,2-Dichlorobenzene	6.75	146	128974	36.65	ng	98
15) Benzyl Alcohol	6.74	79	104487	36.58	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.88	45	165425	43.02	ng	# 55
17) 2-Methylphenol	6.87	107	88637	33.53	ng	94
18) Hexachloroethane	7.08	117	48926	34.87	ng	96
19) n-Nitroso-di-n-propylamine	7.02	70	109574	42.96	ng	98
20) 3+4-Methylphenols	7.02	107	116291	32.40	ng	# 76
22) Acetophenone	7.00	105	223347	42.78	ng	# 98
24) Nitrobenzene	7.18	77	159555	41.12	ng	99
25) Isophorone	7.42	82	302117	44.55	ng	100
26) 2-Nitrophenol	7.48	139	73951	40.86	ng	99
27) 2,4-Dimethylphenol	7.54	122	106672	34.98	ng	99
28) bis(2-Chloroethoxy)methane	7.63	93	193786	45.69	ng	99
29) 2,4-Dichlorophenol	7.74	162	117829	42.88	ng	96
30) 1,2,4-Trichlorobenzene	7.82	180	117944	38.77	ng	100
31) Naphthalene	7.88	128	423120	40.10	ng	100
32) Benzoic acid	7.67	122	31148	13.28	ng	91
33) 4-Chloroaniline	7.95	127	95913	21.62	ng	96
34) Hexachlorobutadiene	8.01	225	61242	36.17	ng	98
35) Caprolactam	8.33	113	4699	5.51	ng	# 85
36) 4-Chloro-3-methylphenol	8.44	107	130840	39.52	ng	90
37) 2-Methylnaphthalene	8.58	142	283823	42.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.74	216	116825	34.30	ng	98
40) Hexachlorocyclopentadiene	8.73	237	83324	73.81	ng	97

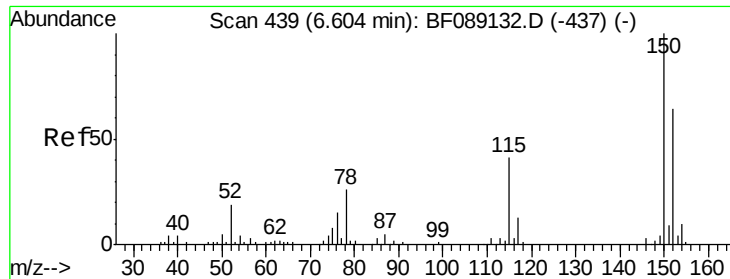
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089234.D
 Acq On : 23 Jul 2016 13:30
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	77505	40.66	ng	98
43) 2,4,5-Trichlorophenol	8.91	196	88903	46.46	ng	96
45) 1,1'-Biphenyl	9.05	154	333134	40.37	ng	96
46) 2-Chloronaphthalene	9.06	162	261348	41.68	ng	99
47) 2-Nitroaniline	9.18	65	91098	42.35	ng	# 75
48) Acenaphthylene	9.47	152	424724	43.08	ng	100
49) Dimethylphthalate	9.36	163	348595	49.58	ng	99
50) 2,6-Dinitrotoluene	9.42	165	72932	45.94	ng	# 74
51) Acenaphthene	9.64	154	244388	41.90	ng	99
52) 3-Nitroaniline	9.59	138	48468	25.71	ng	90
53) 2,4-Dinitrophenol	9.70	184	60503	75.29	ng	# 87
54) Dibenzofuran	9.82	168	364521	46.26	ng	98
55) 4-Nitrophenol	9.77	139	40086	35.14	ng	93
56) 2,4-Dinitrotoluene	9.82	165	94316	46.12	ng	# 71
57) Fluorene	10.16	166	301173	45.02	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.94	232	70270	51.13	ng	97
59) Diethylphthalate	10.06	149	341157	48.93	ng	96
60) 4-Chlorophenyl-phenylether	10.16	204	139569	45.70	ng	# 88
61) 4-Nitroaniline	10.20	138	74562	40.65	ng	93
62) Azobenzene	10.32	77	382541	50.48	ng	90
64) 4,6-Dinitro-2-methylphenol	10.23	198	46180	44.13	ng	# 65
65) n-Nitrosodiphenylamine	10.28	169	269917	44.93	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	79939	44.94	ng	# 88
67) Hexachlorobenzene	10.71	284	82191	42.96	ng	# 92
68) Atrazine	10.81	200	74784	39.80	ng	99
69) Pentachlorophenol	10.90	266	76791	86.99	ng	98
70) Phenanthrene	11.11	178	414821	42.07	ng	99
71) Anthracene	11.17	178	493911	48.19	ng	99
72) Carbazole	11.33	167	421923	46.86	ng	100
73) Di-n-butylphthalate	11.67	149	544996	48.94	ng	# 98
74) Fluoranthene	12.29	202	427434	41.24	ng	99
76) Benzidine	12.42	184	118040	30.17	ng	99
77) Pyrene	12.51	202	452259	48.11	ng	99
79) Butylbenzylphthalate	13.14	149	204836	51.51	ng	92
80) Benzo(a)anthracene	13.70	228	331294	45.70	ng	99
81) 3,3'-Dichlorobenzidine	13.67	252	75894	31.56	ng	99
82) Chrysene	13.74	228	345863	49.95	ng	99
83) Bis(2-ethylhexyl)phthalate	13.71	149	285886	54.21	ng	# 94
84) Di-n-octyl phthalate	14.32	149	434918	49.98	ng	100
85) Indeno(1,2,3-cd)pyrene	16.27	276	249987	49.71	ng	99
87) Benzo(b)fluoranthene	14.72	252	532674	80.94	ng	# 94
88) Benzo(k)fluoranthene	14.72	252	533234	113.30	ng	# 99
89) Benzo(a)pyrene	14.99	252	239294	46.84	ng	100
90) Dibenzo(a,h)anthracene	16.29	278	208616	51.71	ng	99
91) Benzo(g,h,i)perylene	16.63	276	213236	52.43	ng	97

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

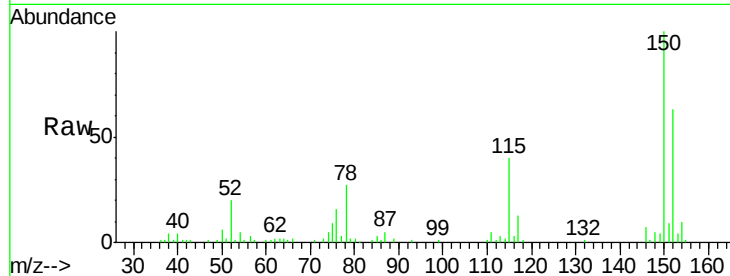


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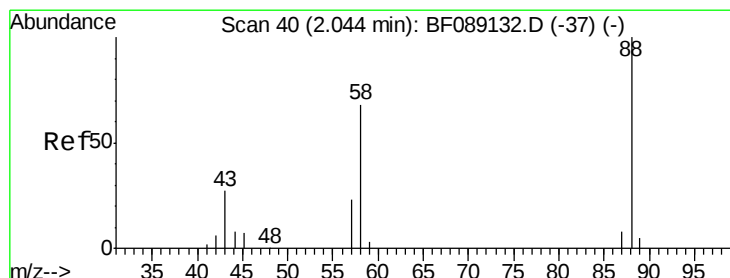
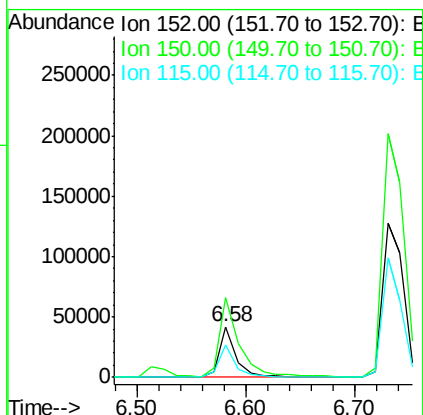
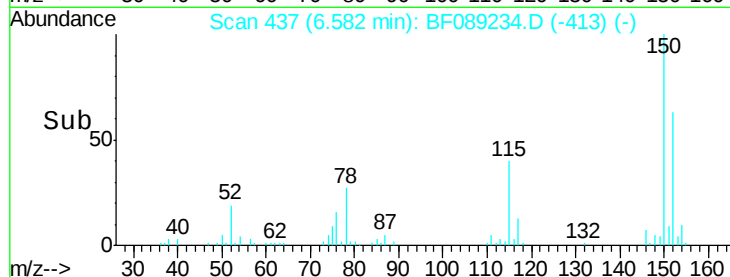
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

Tgt Ion:152 Resp: 45996
Ion Ratio Lower Upper
152 100
150 157.9 125.1 187.7
115 63.5 51.1 76.7



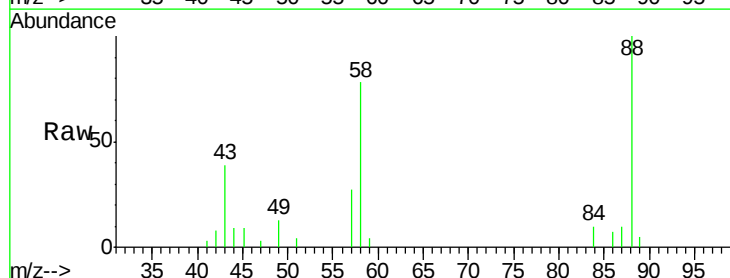
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



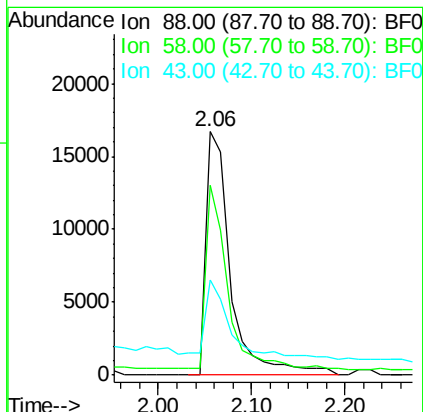
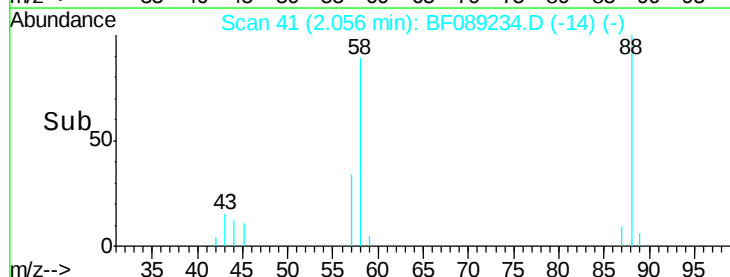
#2

1,4-Dioxane
Concen: 23.53 ng
RT: 2.06 min Scan# 41
Delta R.T. 0.01 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion: 88 Resp: 30903
Ion Ratio Lower Upper
88 100
58 67.1 49.2 73.8
43 40.3 20.6 30.8#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 18.49 ng

RT: 2.68 min Scan# 96

Delta R.T. 0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

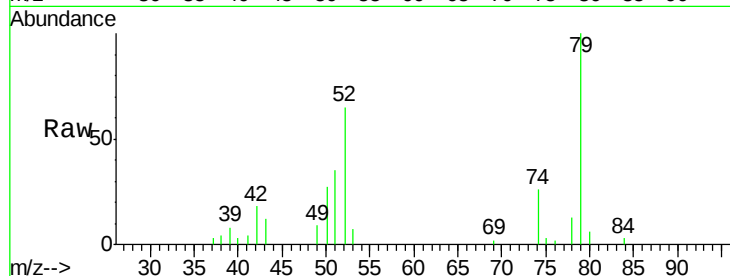
Tgt Ion: 79 Resp: 61685

Ion Ratio Lower Upper

79 100

52 64.6 52.9 79.3

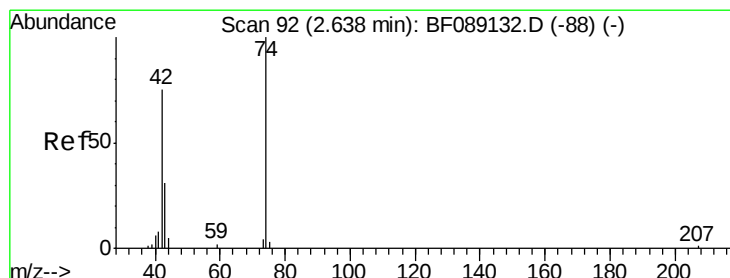
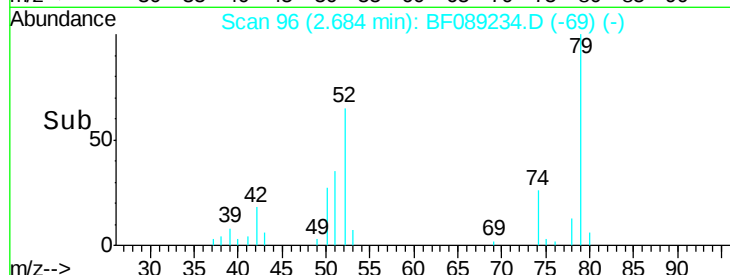
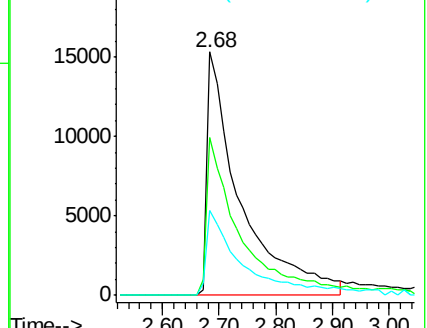
51 34.9 27.0 40.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 21.95 ng

RT: 2.65 min Scan# 93

Delta R.T. 0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

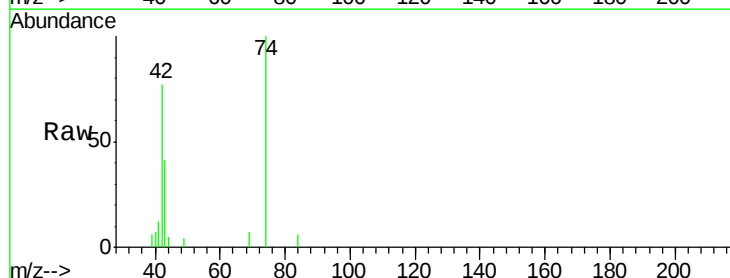
Tgt Ion: 42 Resp: 30819

Ion Ratio Lower Upper

42 100

74 129.9 106.4 159.6

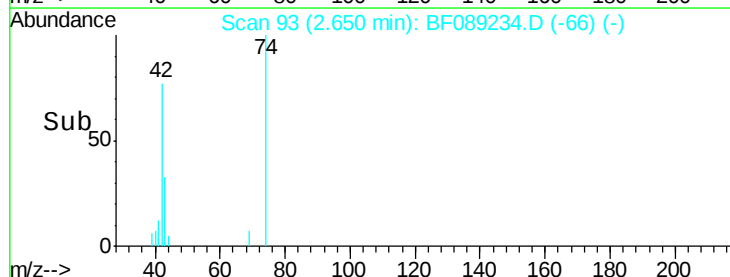
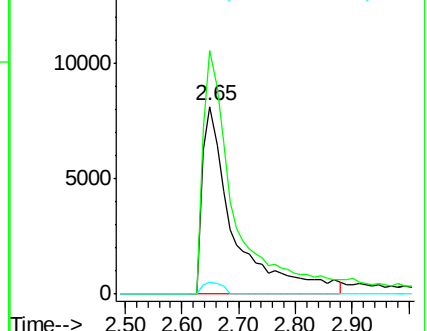
44 6.4 5.2 7.8

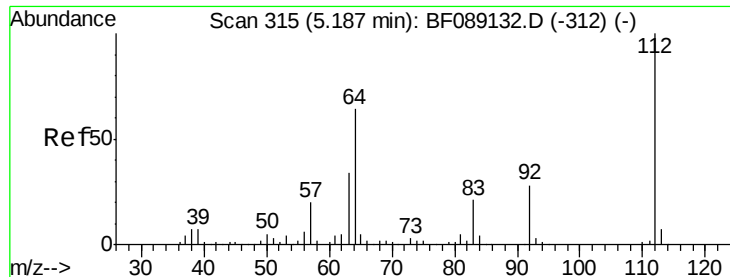


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 85.90 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

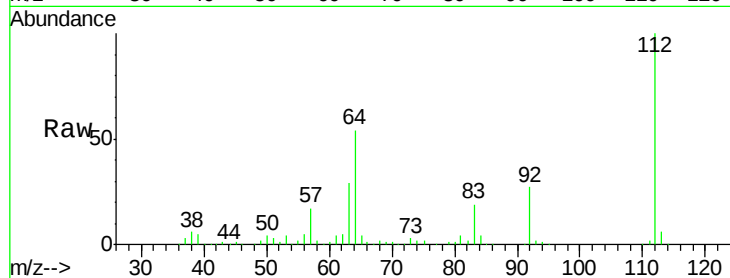
Tgt Ion: 112 Resp: 259783

Ion Ratio Lower Upper

112 100

64 54.2 51.0 76.4

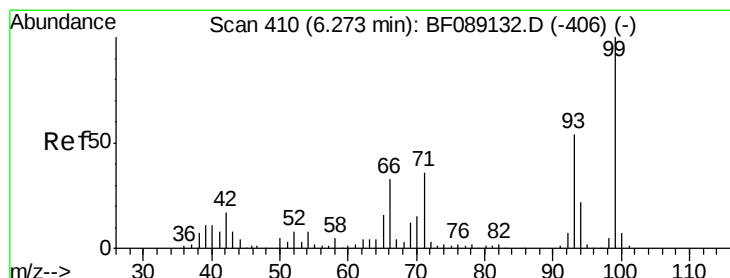
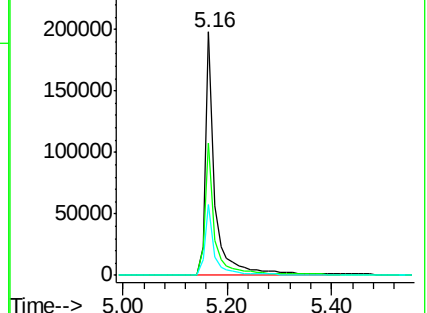
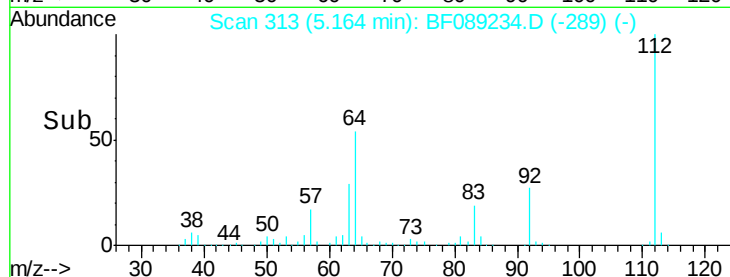
63 29.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.34 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

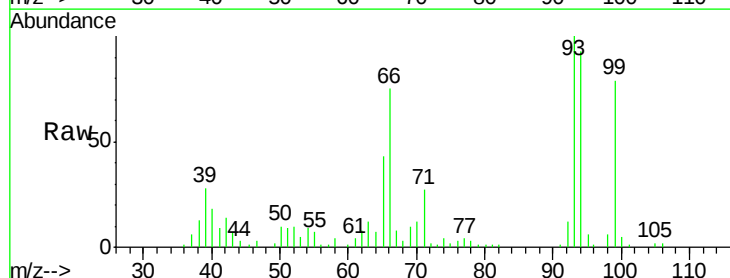
Tgt Ion: 93 Resp: 112463

Ion Ratio Lower Upper

93 100

66 75.2 48.9 73.3#

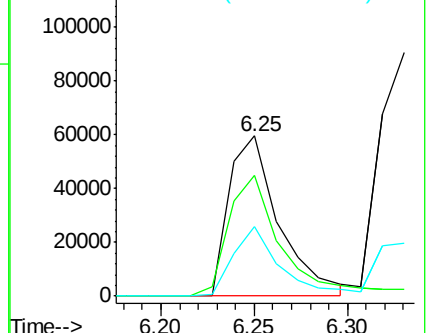
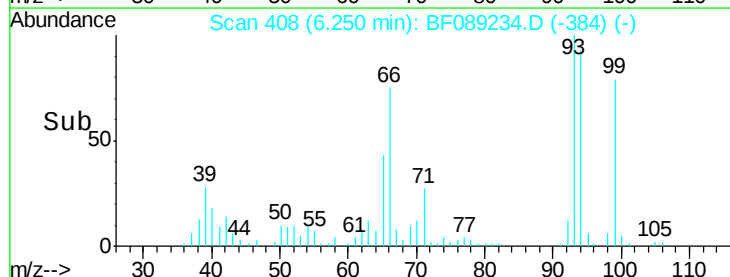
65 43.0 23.9 35.9#

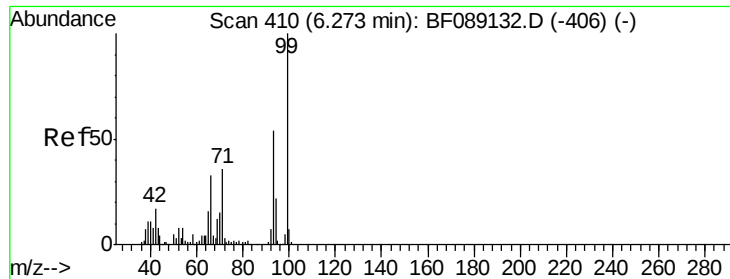


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 63.46 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089234.D

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ClientSampleId :

GW-05-5.0-16.0MSD

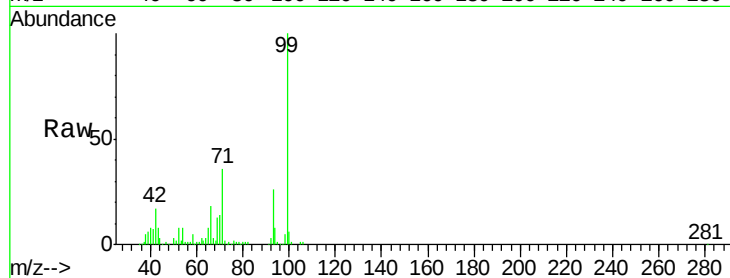
Tgt Ion: 99 Resp: 247493

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

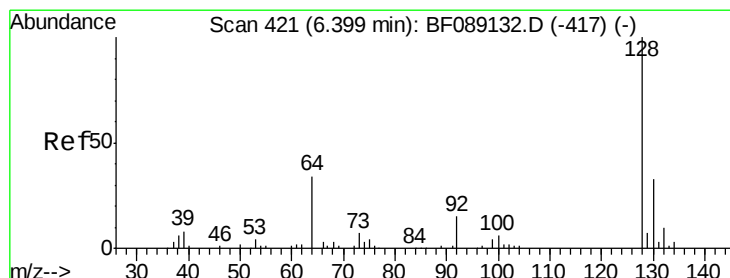
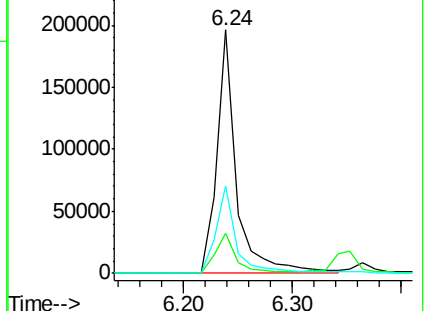
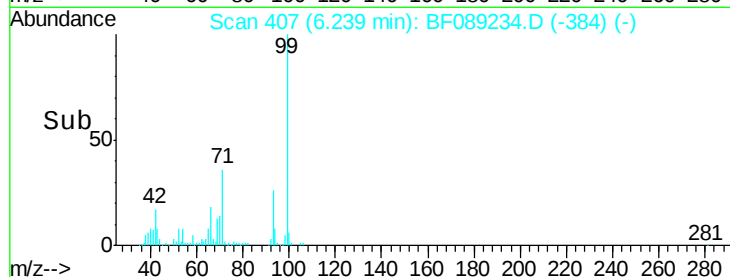
71 36.0 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.06 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

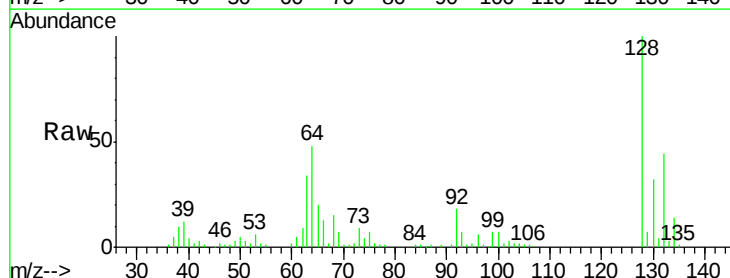
Tgt Ion: 128 Resp: 134433

Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

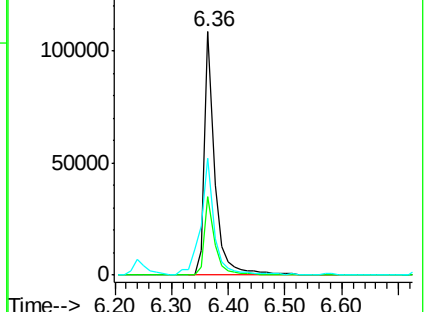
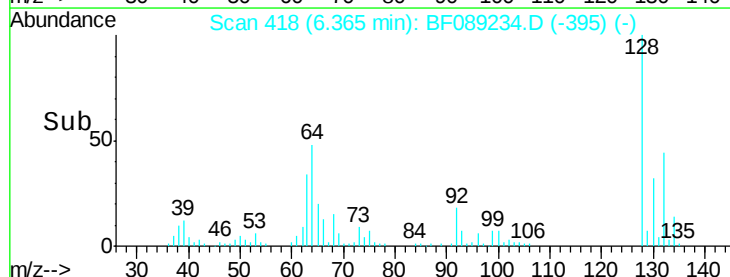
64 48.0 17.5 57.5

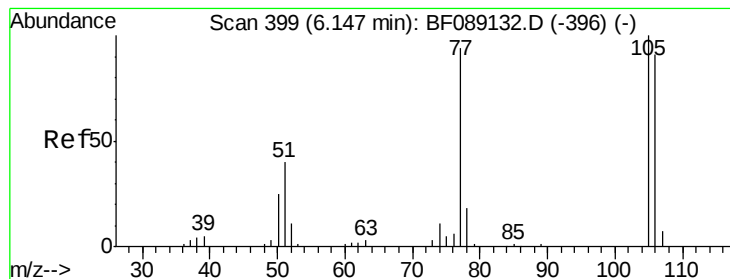


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 13.74 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

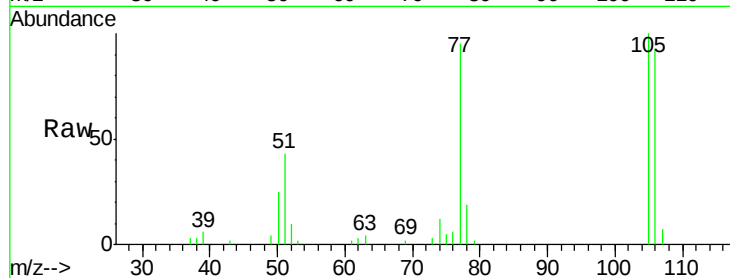
Tgt Ion: 77 Resp: 33312

Ion Ratio Lower Upper

77 100

105 105.5 86.2 126.2

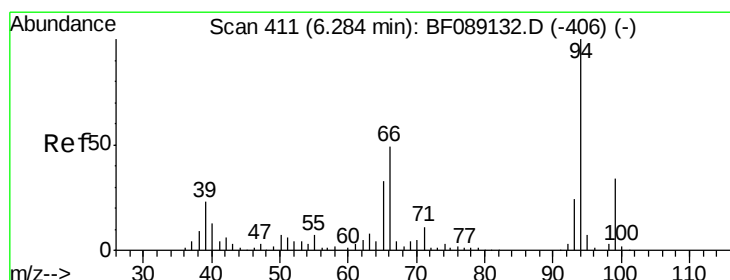
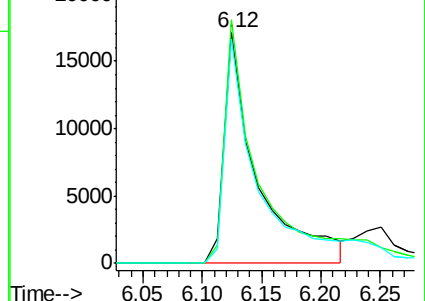
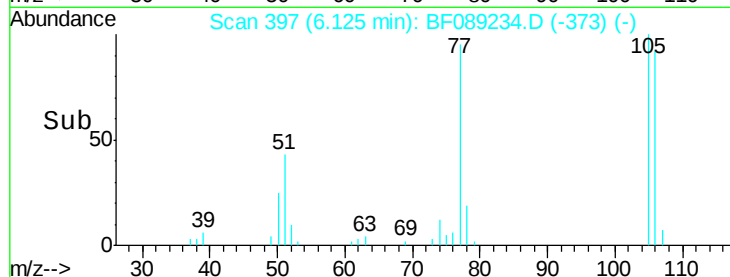
106 97.2 76.3 116.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 21.88 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

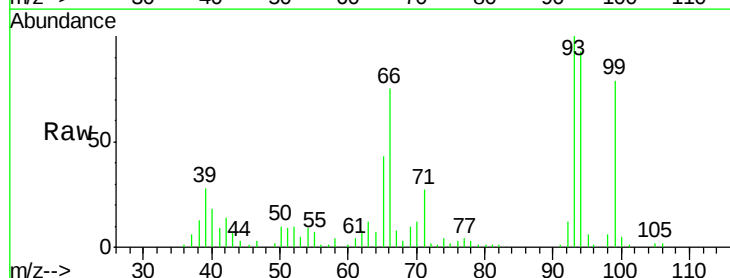
Tgt Ion: 94 Resp: 98301

Ion Ratio Lower Upper

94 100

65 46.3 13.3 53.3

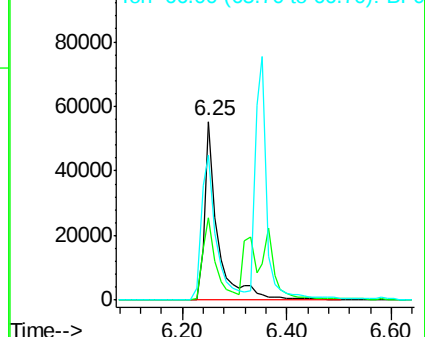
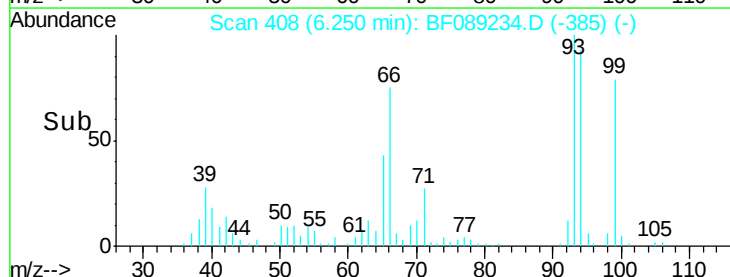
66 80.9 29.3 69.3#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

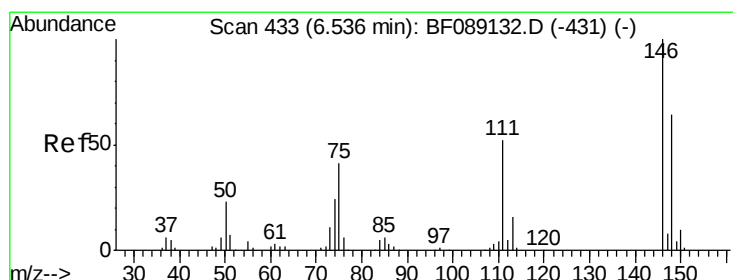
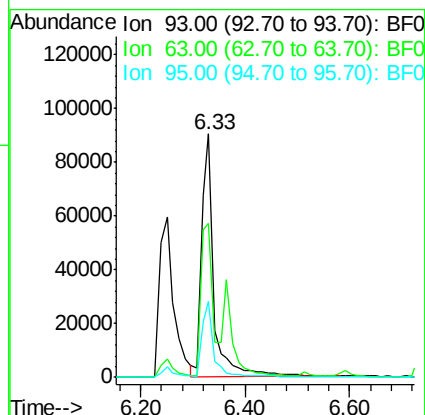
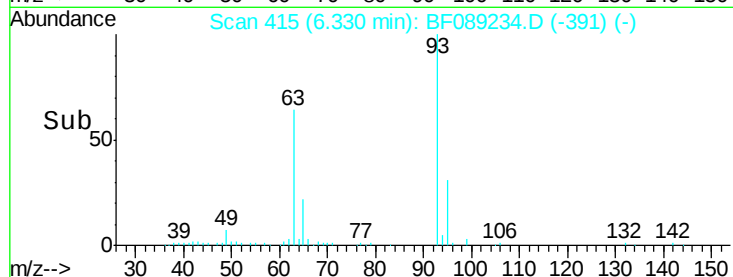
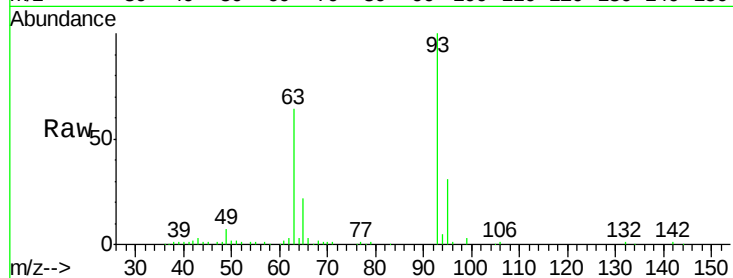




#11
bis(2-Chloroethyl)ether
Concen: 44.06 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

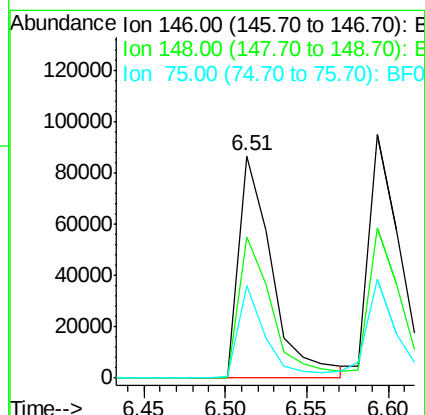
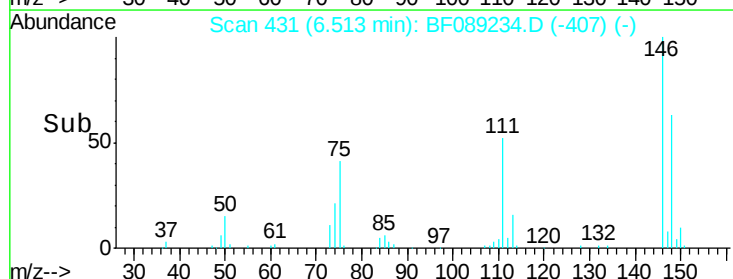
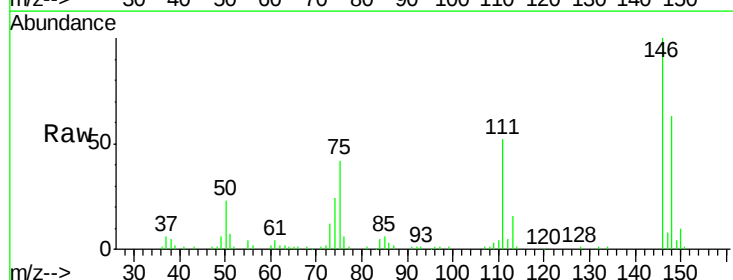
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

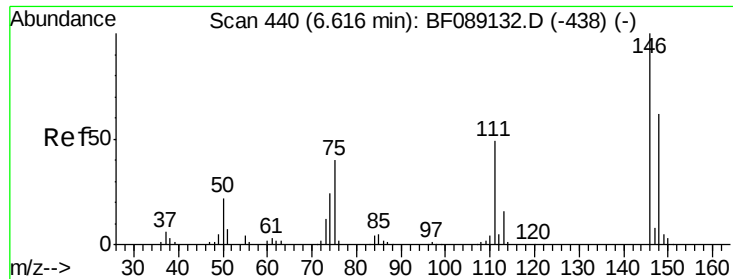
Tgt Ion: 93 Resp: 148668
Ion Ratio Lower Upper
93 100
63 63.5 47.3 87.3
95 31.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 33.15 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion: 146 Resp: 122835
Ion Ratio Lower Upper
146 100
148 63.3 51.0 76.6
75 41.6 32.5 48.7

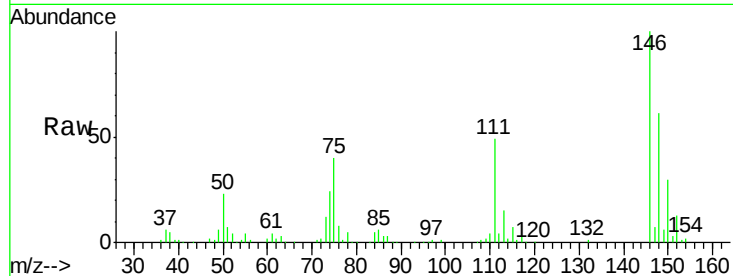




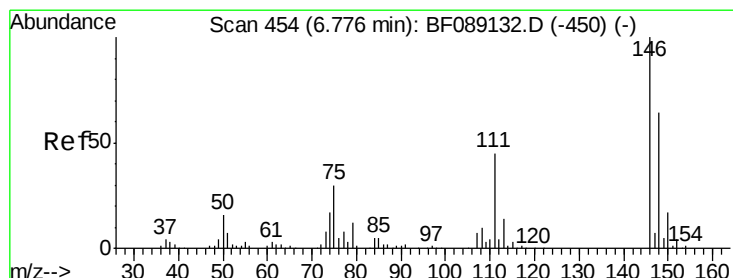
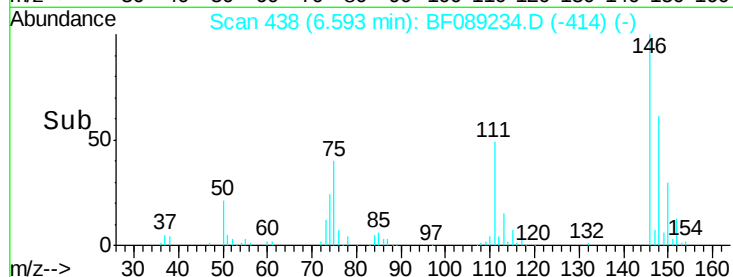
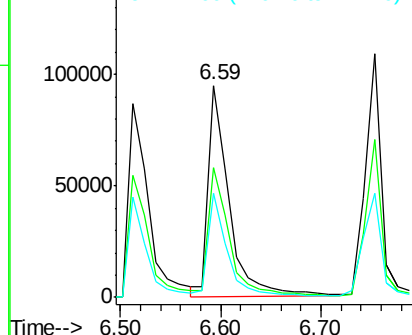
#13
 1,4-Dichlorobenzene
 Concen: 37.08 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:146 Resp: 138409
 Ion Ratio Lower Upper
 146 100
 148 61.5 49.9 74.9
 111 49.3 39.8 59.6

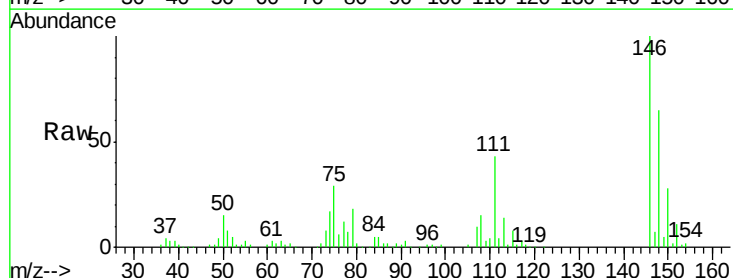


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

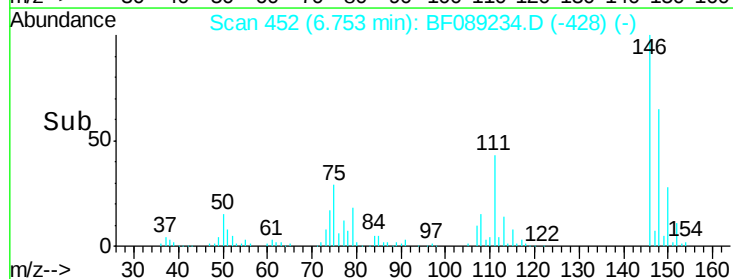
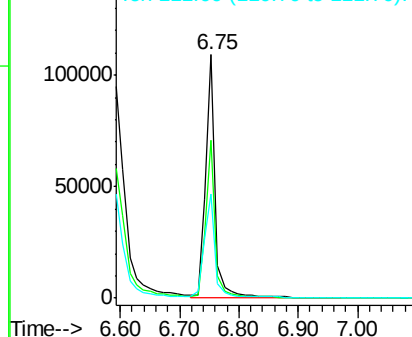


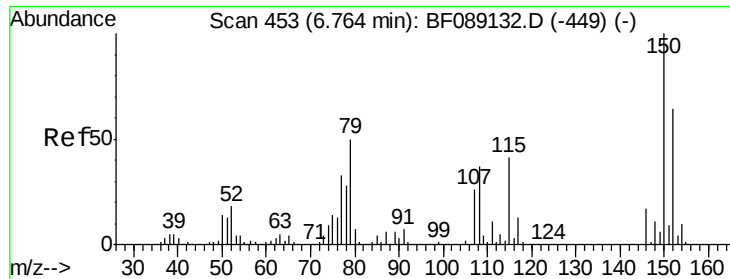
#14
 1,2-Dichlorobenzene
 Concen: 36.65 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:146 Resp: 128974
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.4 77.0
 111 42.7 35.9 53.9



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

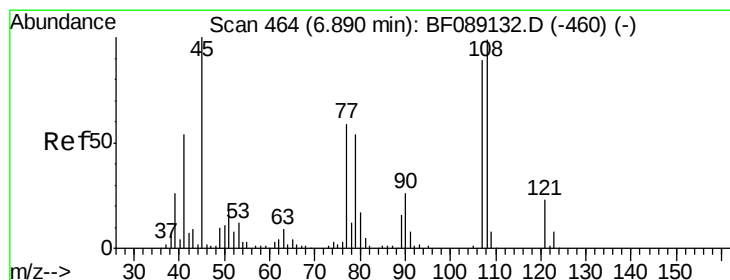
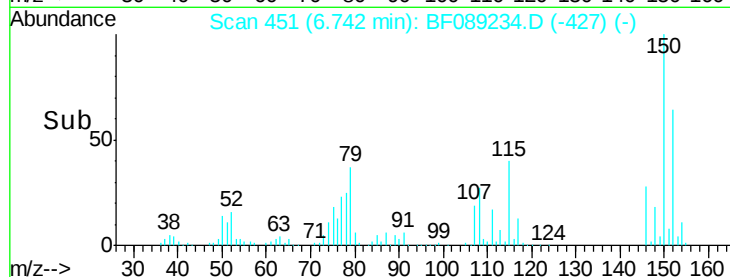
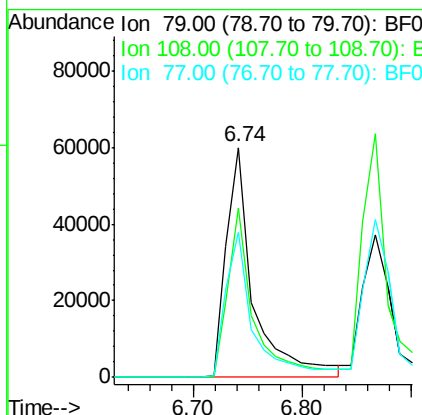
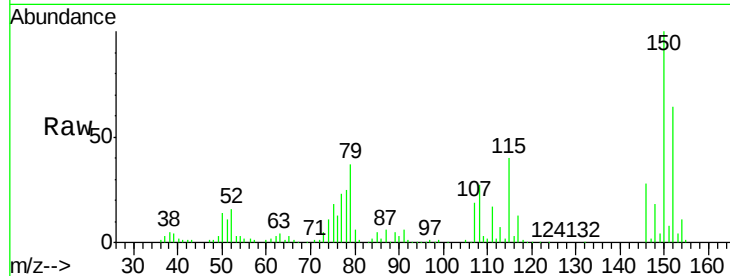




#15
Benzyl Alcohol
Concen: 36.58 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

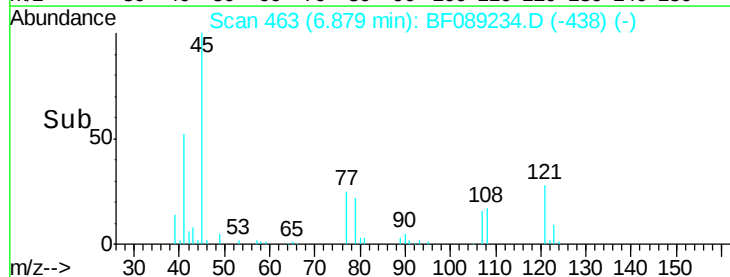
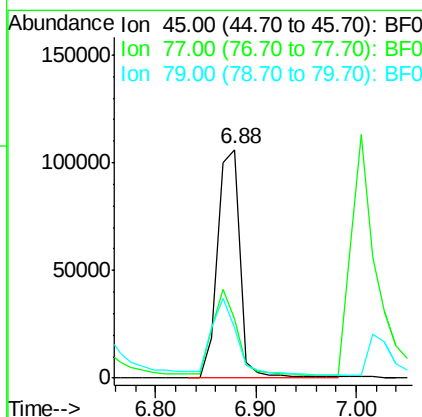
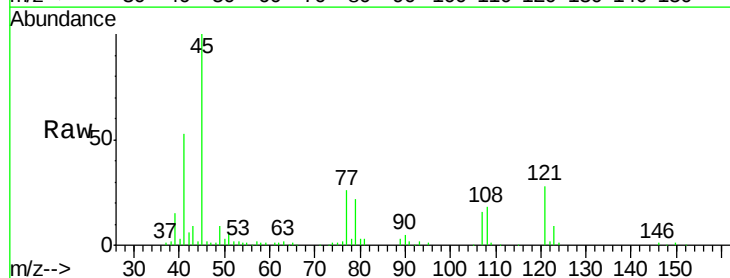
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

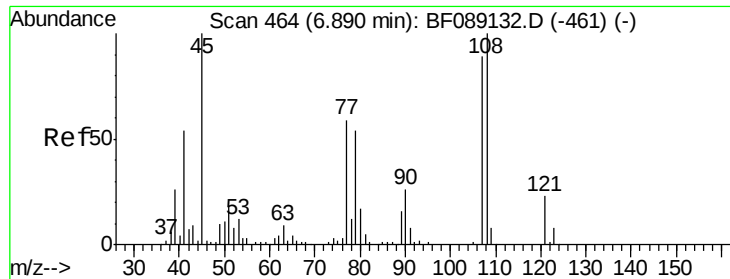
Tgt Ion: 79 Resp: 104487
Ion Ratio Lower Upper
79 100
108 73.6 58.2 87.4
77 63.1 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.02 ng
RT: 6.88 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion: 45 Resp: 165425
Ion Ratio Lower Upper
45 100
77 25.8 39.7 79.7#
79 22.2 34.7 74.7#

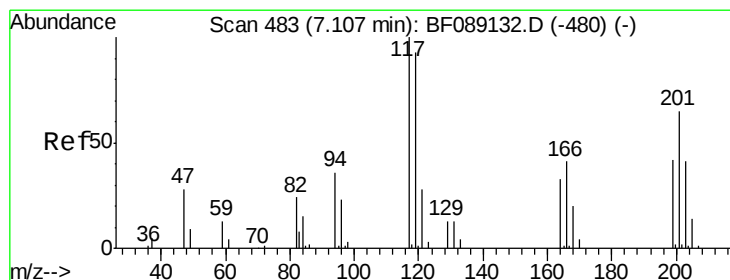
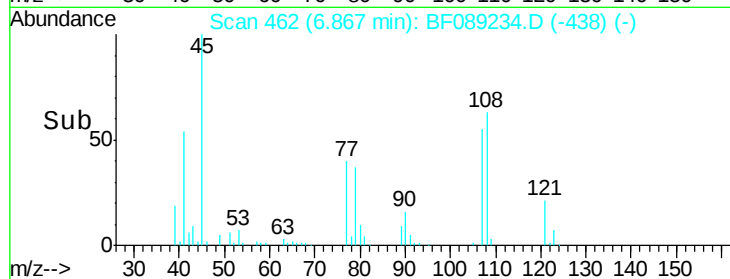
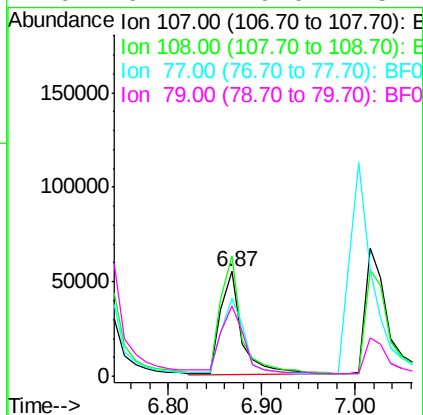
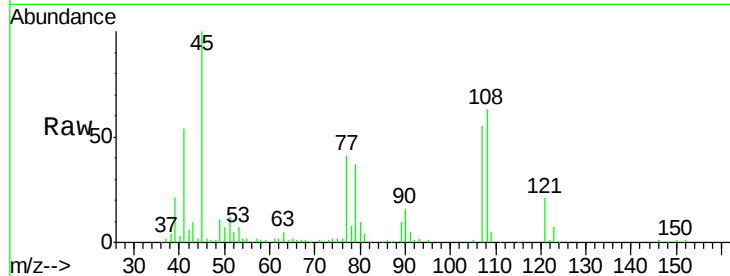




#17
2-Methylphenol
Concen: 33.53 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

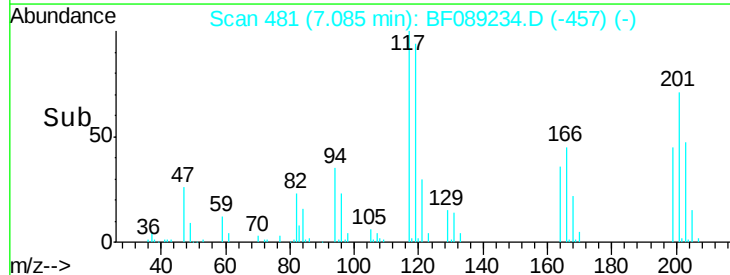
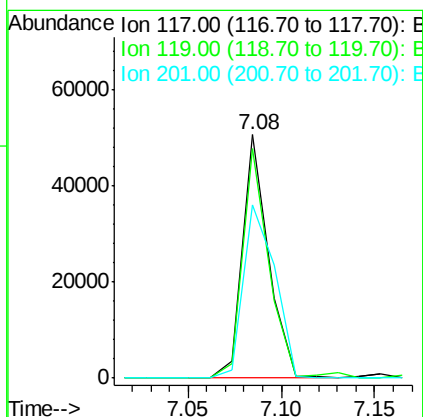
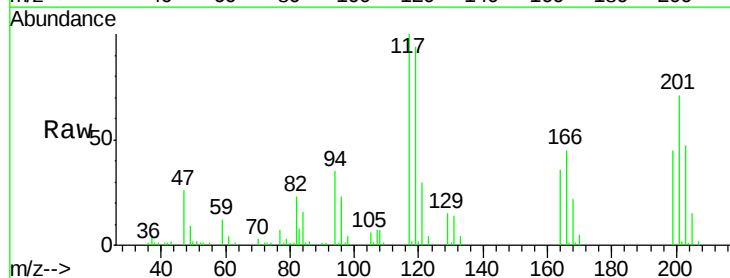
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

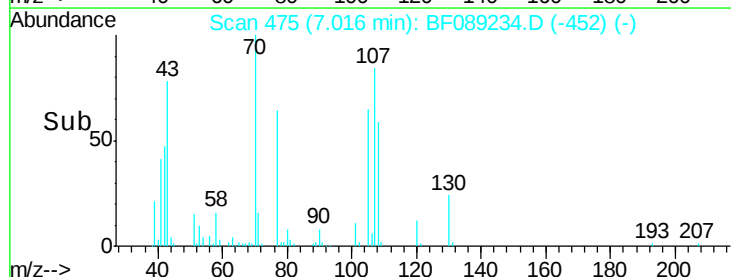
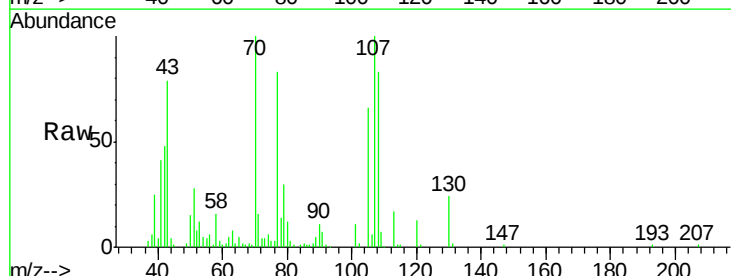
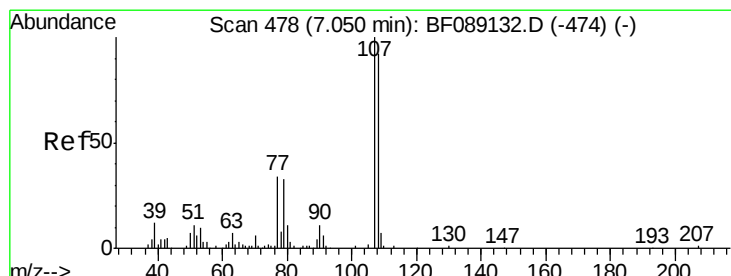
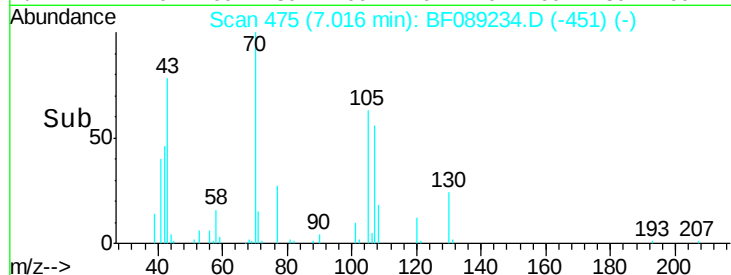
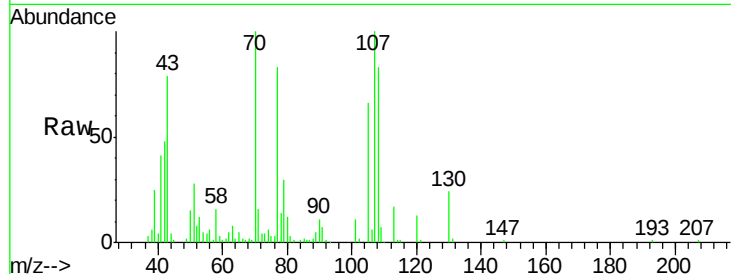
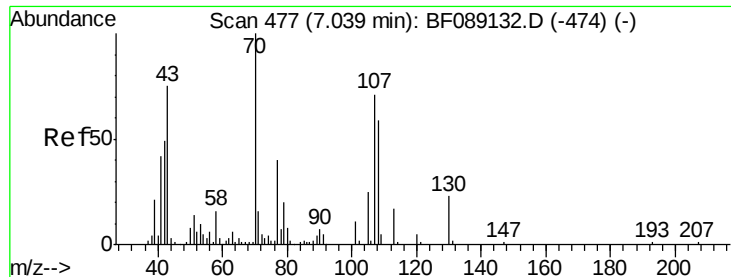
Tgt Ion:107 Resp: 88637
Ion Ratio Lower Upper
107 100
108 114.7 89.4 134.2
77 74.7 53.4 80.0
79 67.4 49.0 73.4



#18
Hexachloroethane
Concen: 34.87 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:117 Resp: 48926
Ion Ratio Lower Upper
117 100
119 94.3 74.5 111.7
201 71.4 51.8 77.6

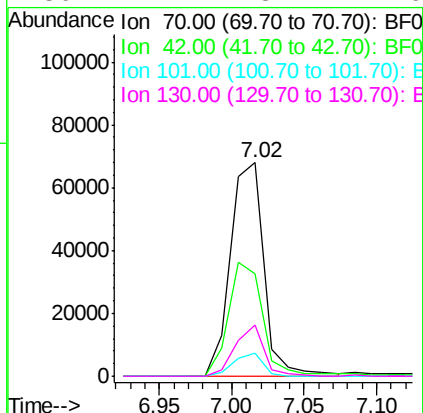




#19
n-Nitroso-di-n-propylamine
Concen: 42.96 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

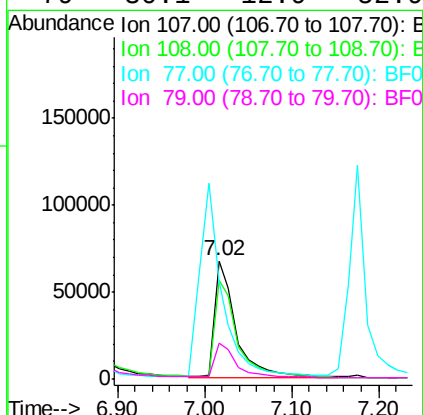
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

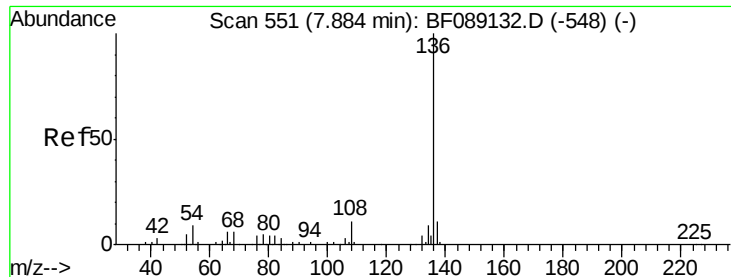
Tgt Ion:	70	Resp:	109574
Ion	Ratio	Lower	Upper
70	100		
42	47.9	39.2	58.8
101	10.7	8.5	12.7
130	24.1	18.4	27.6



#20
3+4-Methylphenols
Concen: 32.40 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.03 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:	107	Resp:	116291
Ion	Ratio	Lower	Upper
107	100		
108	82.9	72.5	112.5
77	82.6	17.7	57.7#
79	30.1	12.9	52.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

Tgt Ion:136 Resp: 195494

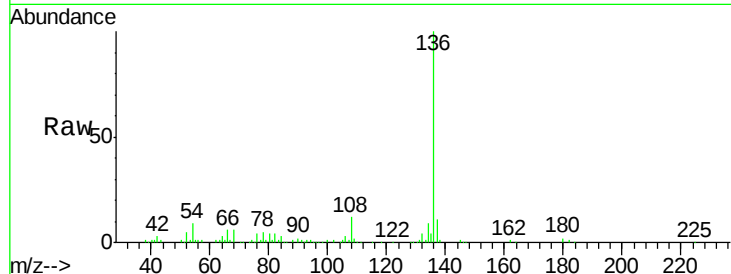
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.8 7.0 10.4

68 6.3 5.0 7.6

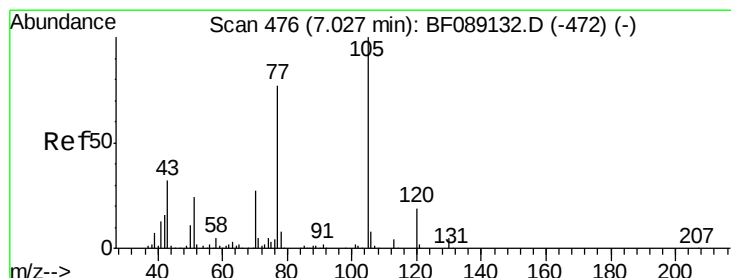
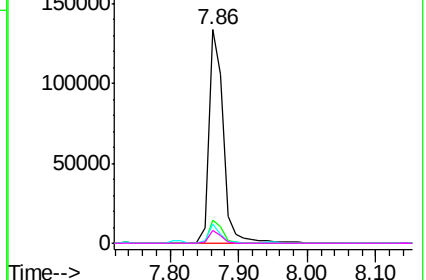
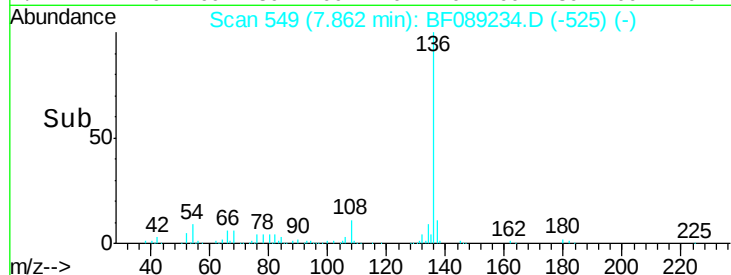


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 42.78 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Tgt Ion:105 Resp: 223347

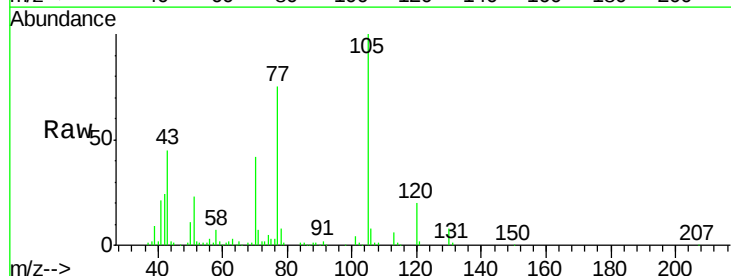
Ion Ratio Lower Upper

105 100

71 7.1 3.8 5.6#

51 23.4 19.6 29.4

120 19.9 15.5 23.3

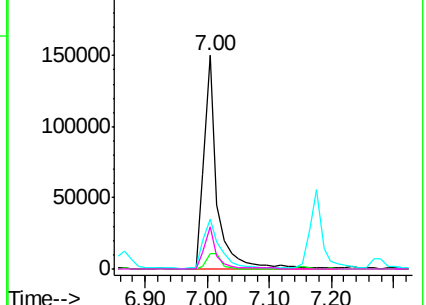
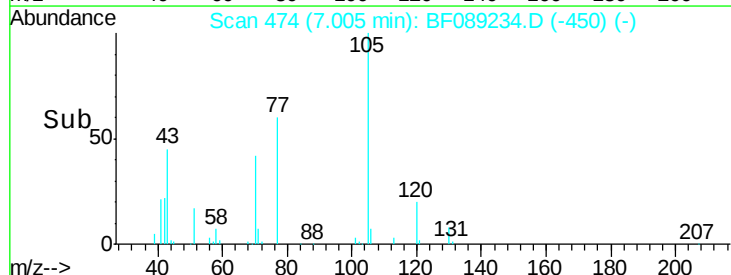


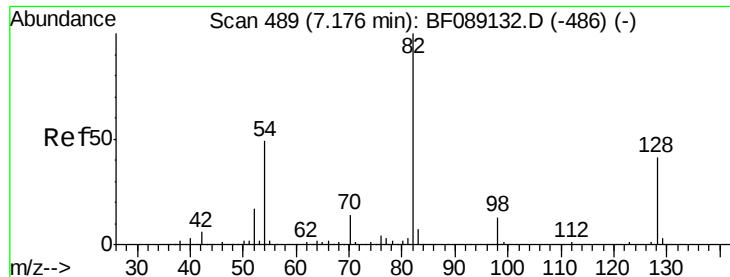
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

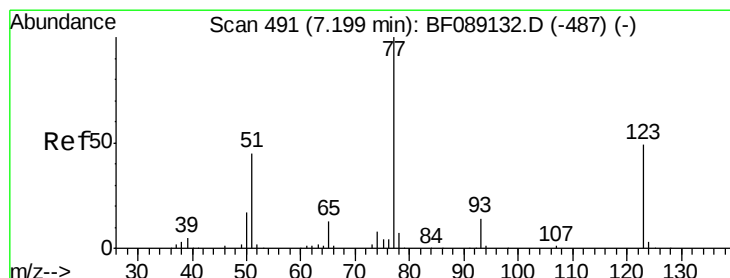
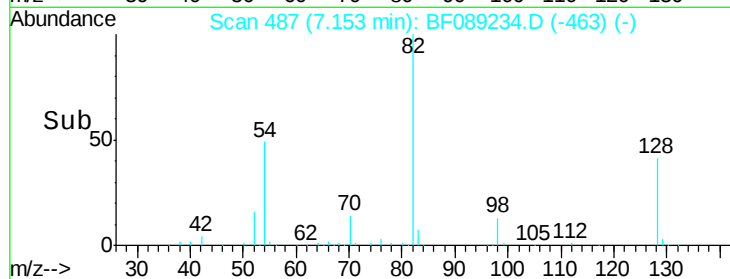
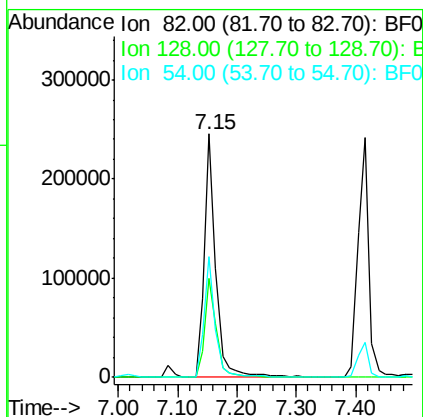
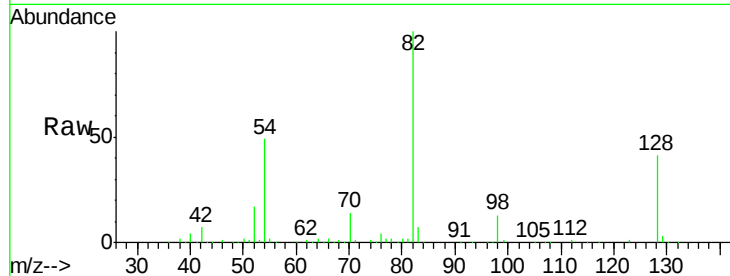




#23
 Nitrobenzene-d5
 Concen: 92.88 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

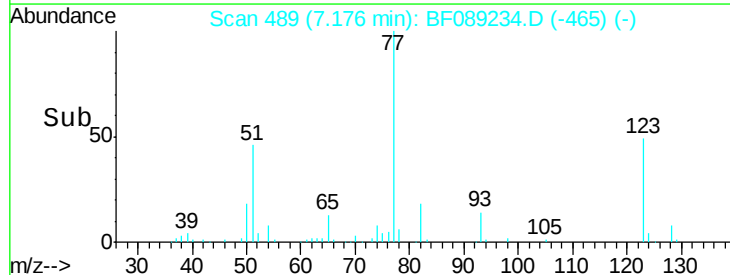
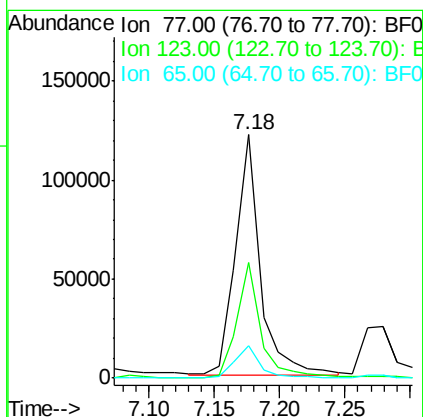
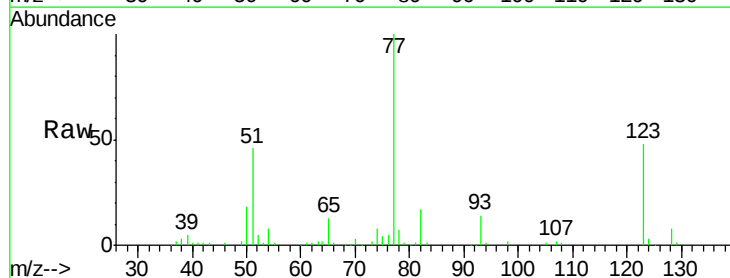
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.0	49.6
54	49.4	39.0	58.4



#24
 Nitrobenzene
 Concen: 41.12 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.5	38.9	58.3
65	13.1	10.6	15.8





#25

Isophorone

Concen: 44.55 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

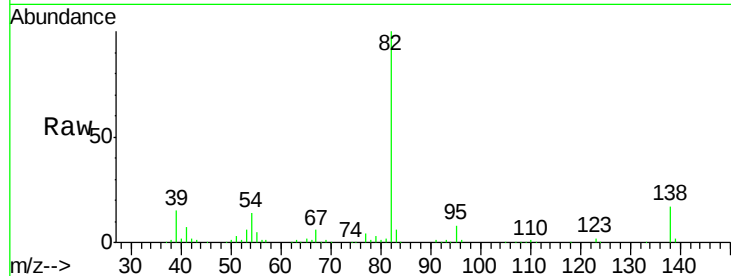
Tgt Ion: 82 Resp: 302117

Ion Ratio Lower Upper

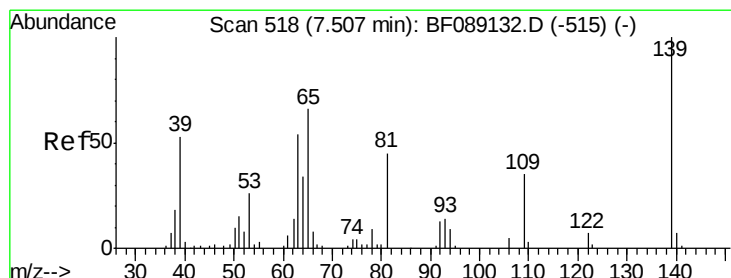
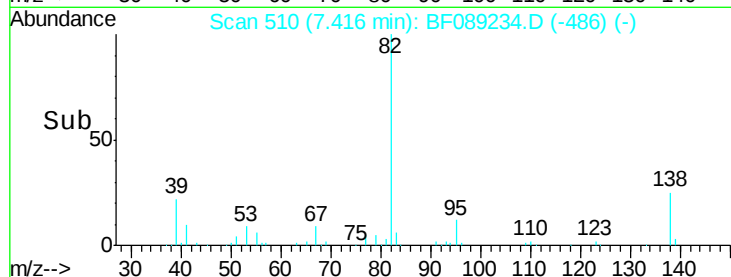
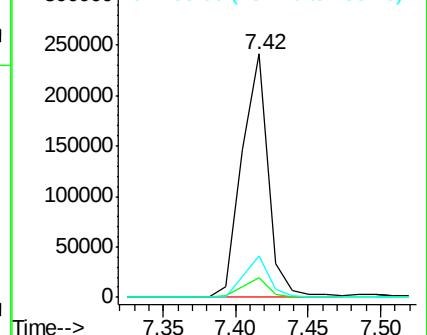
82 100

95 7.9 6.1 9.1

138 17.1 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.86 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

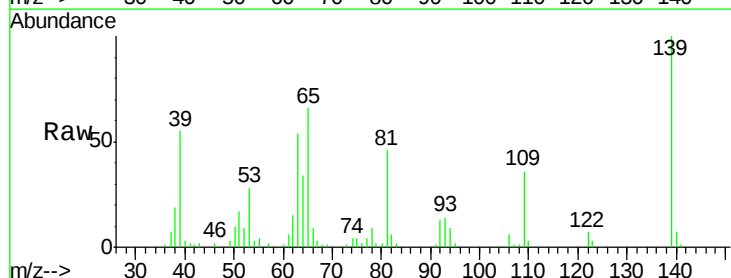
Tgt Ion: 139 Resp: 73951

Ion Ratio Lower Upper

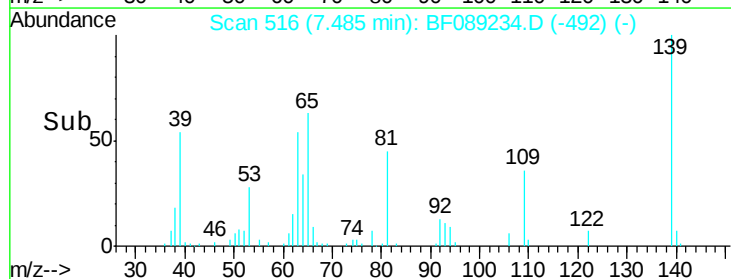
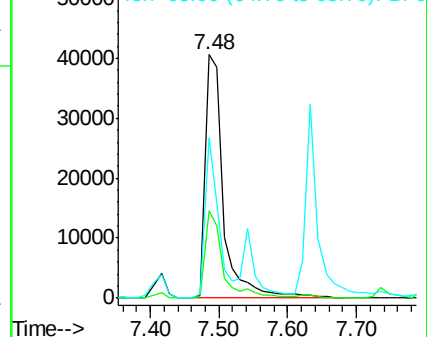
139 100

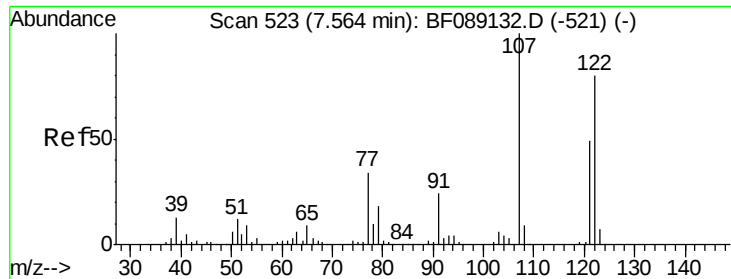
109 36.0 28.1 42.1

65 66.0 52.7 79.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 34.98 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

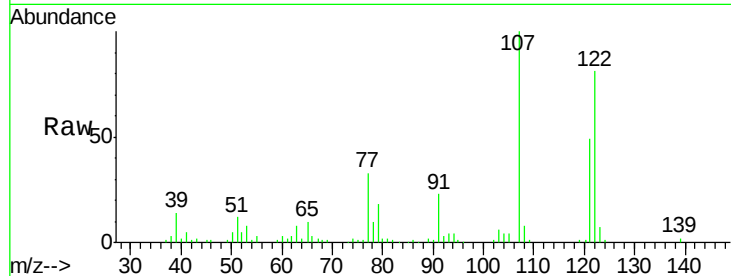
Tgt Ion:122 Resp: 106672

Ion Ratio Lower Upper

122 100

107 123.4 99.7 149.5

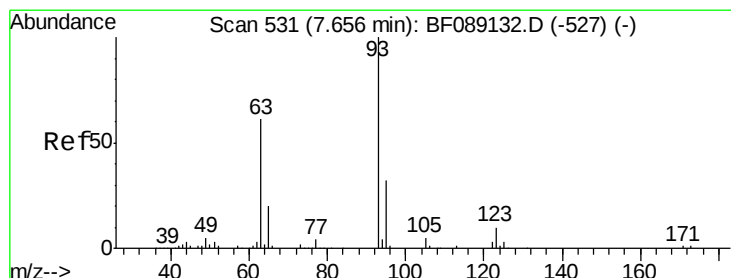
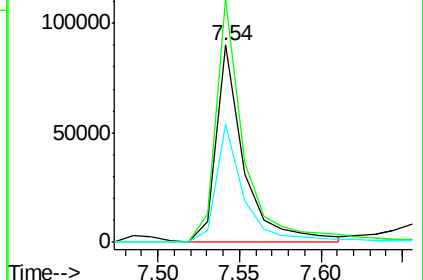
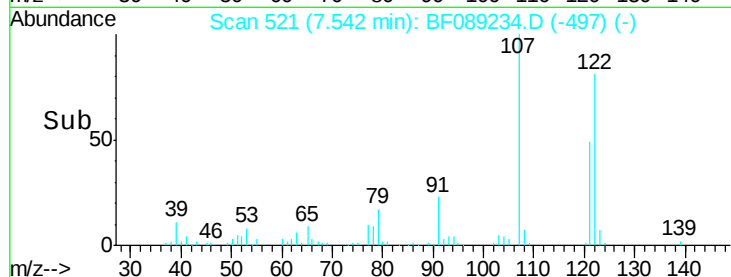
121 60.1 48.5 72.7



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: 45.69 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

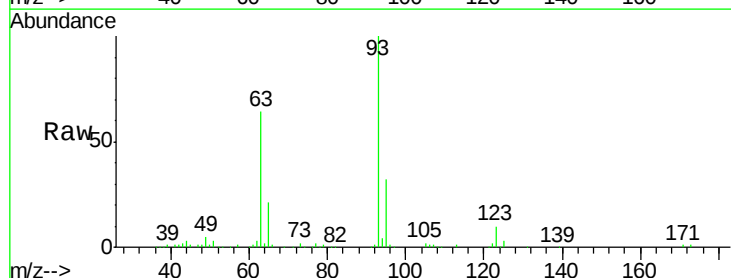
Tgt Ion: 93 Resp: 193786

Ion Ratio Lower Upper

93 100

95 32.1 25.4 38.0

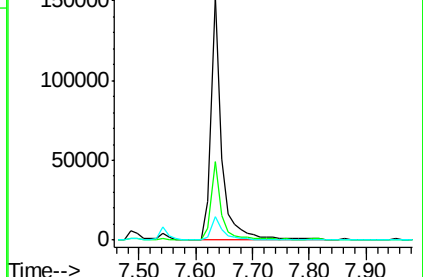
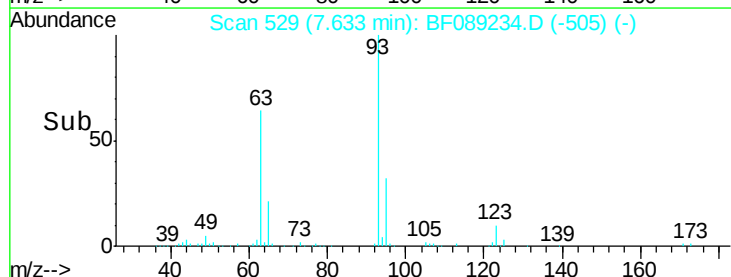
123 9.9 8.3 12.5

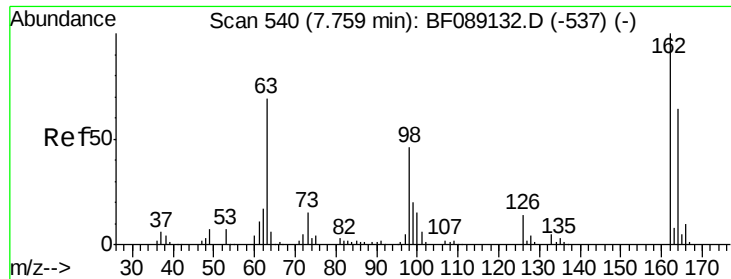


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

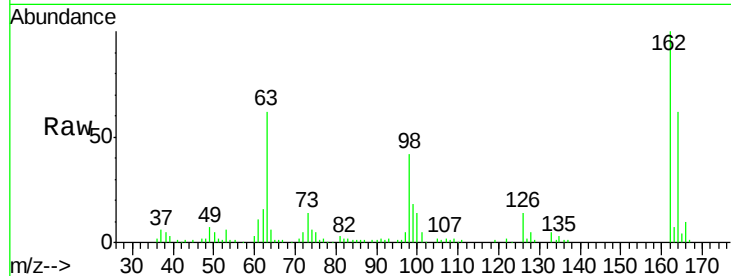




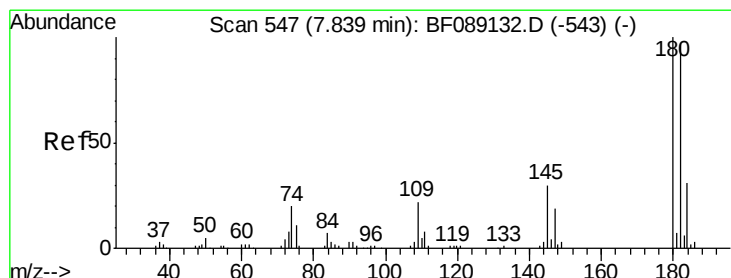
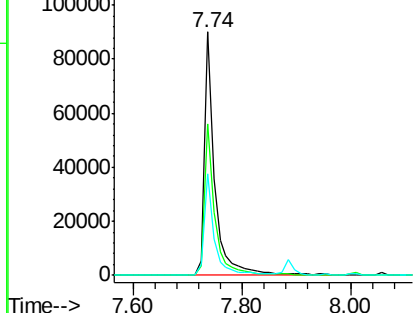
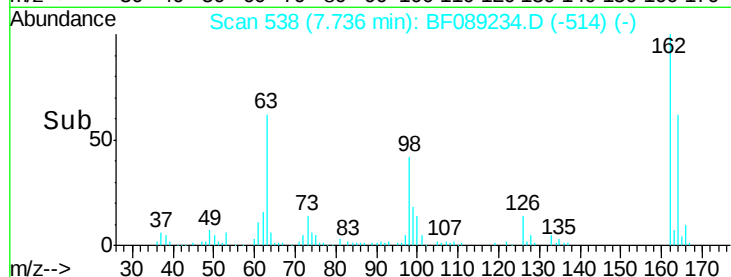
#29
 2,4-Dichlorophenol
 Concen: 42.88 ng
 RT: 7.74 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:162 Resp: 117829
 Ion Ratio Lower Upper
 162 100
 164 62.2 44.0 84.0
 98 41.9 26.0 66.0

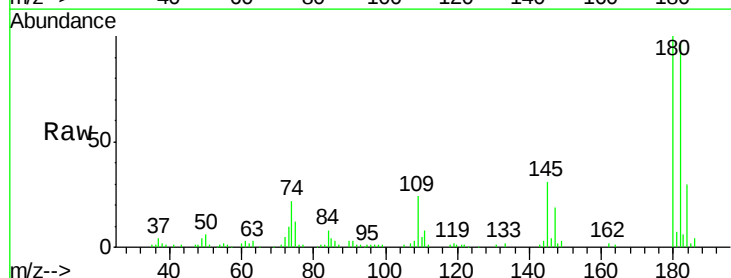


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

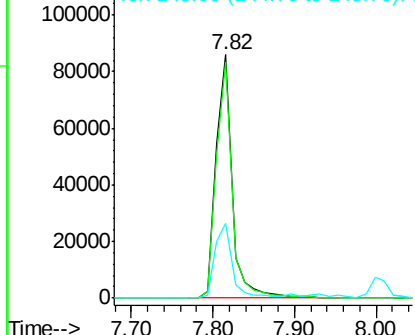
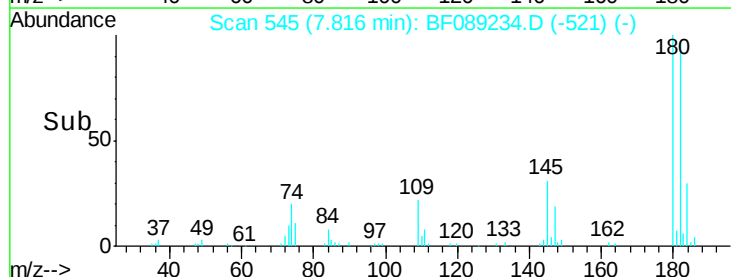


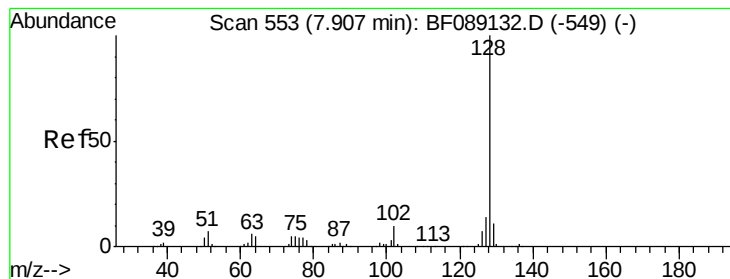
#30
 1,2,4-Trichlorobenzene
 Concen: 38.77 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:180 Resp: 117944
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.6 116.4
 145 30.8 24.0 36.0



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: 40.10 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

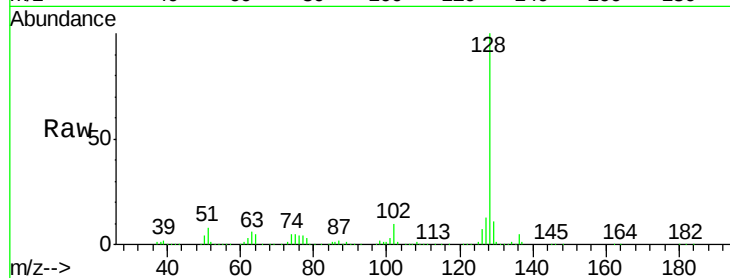
Tgt Ion:128 Resp: 423120

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

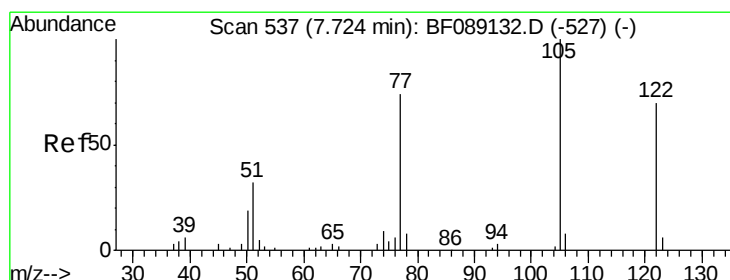
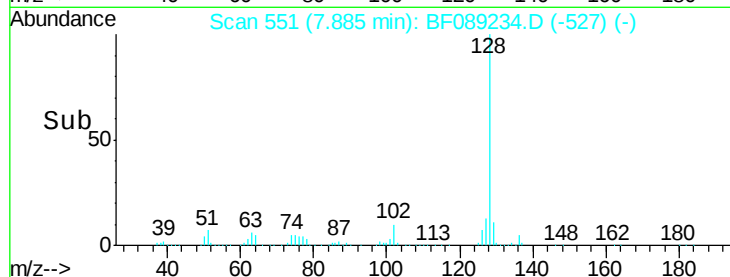
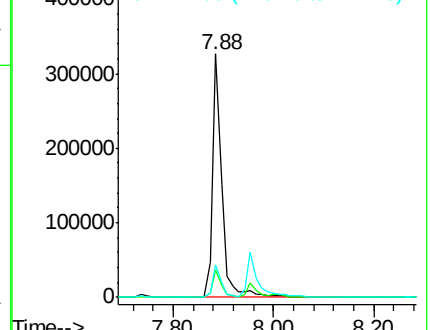
127 13.3 10.8 16.2



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: 13.28 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.06 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

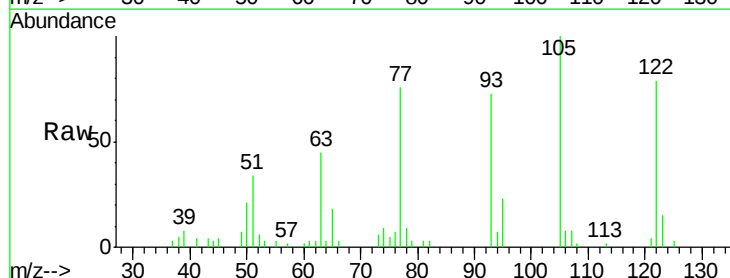
Tgt Ion:122 Resp: 31148

Ion Ratio Lower Upper

122 100

105 126.3 119.0 159.0

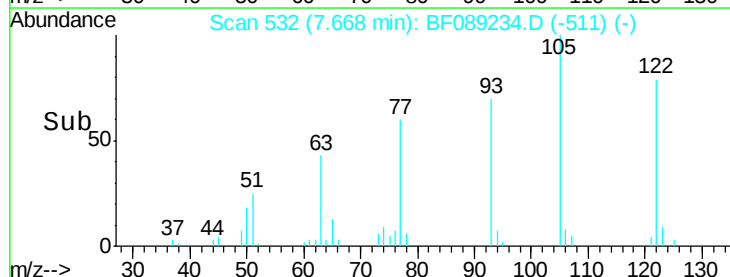
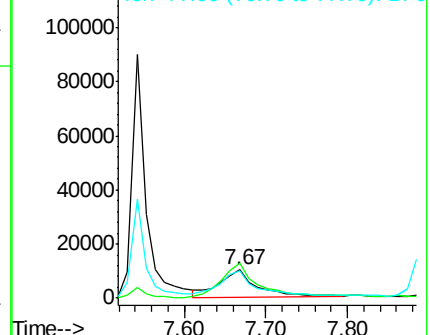
77 96.4 84.7 124.7

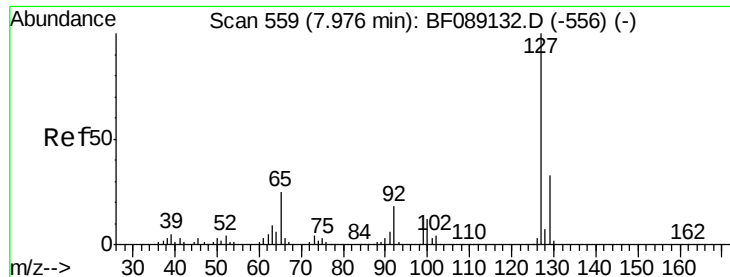


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

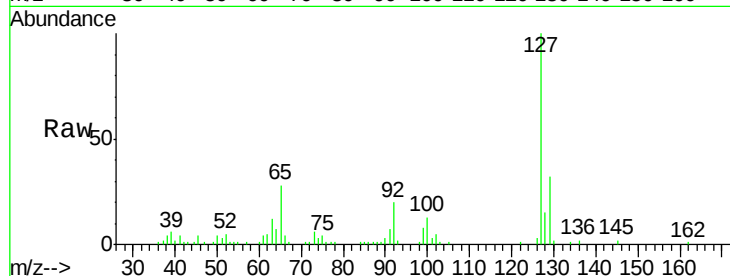




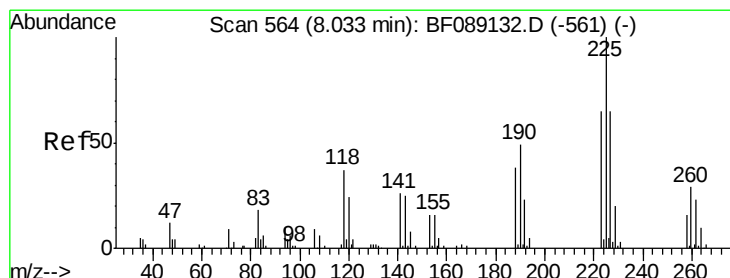
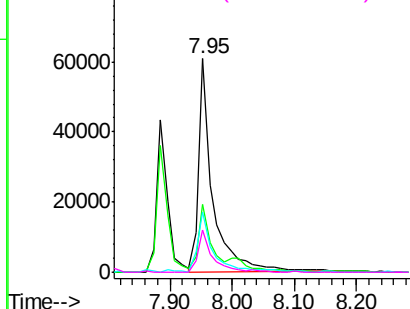
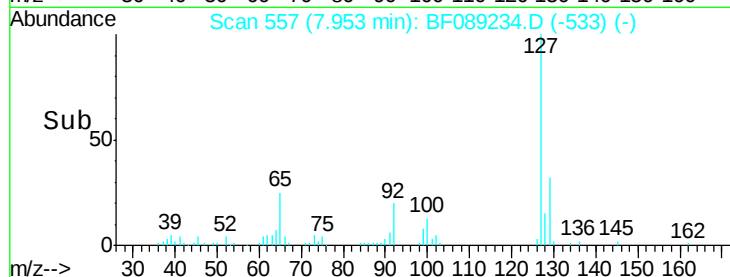
#33
4-Chloroaniline
Concen: 21.62 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

Tgt Ion:	127	Resp:	95913
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	28.1	19.7	29.5
92	19.9	14.3	21.5

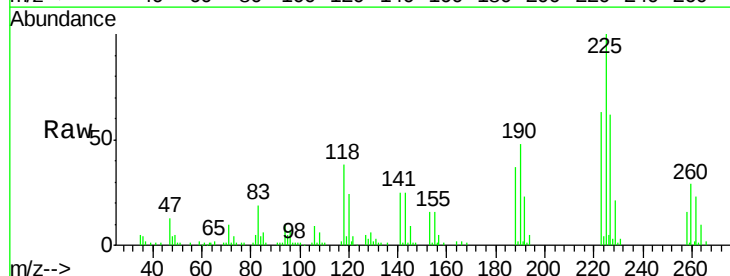


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

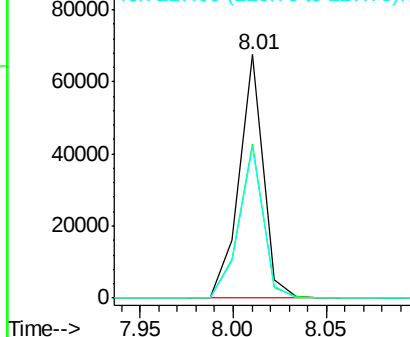
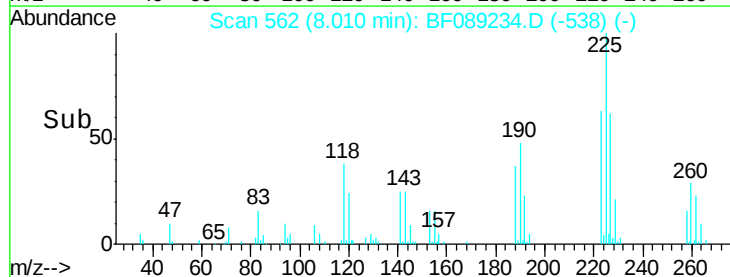


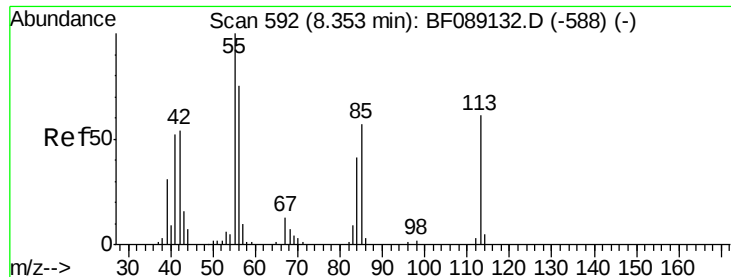
#34
Hexachlorobutadiene
Concen: 36.17 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:	225	Resp:	61242
Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.6	77.4
227	62.1	51.6	77.4



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

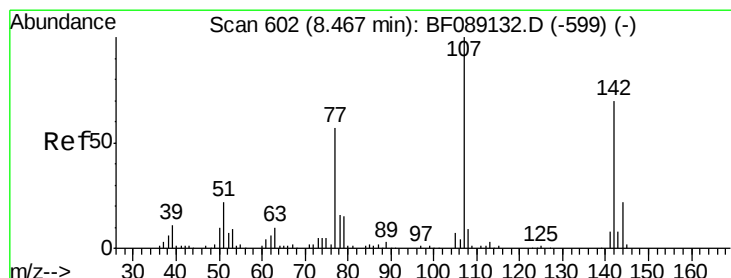
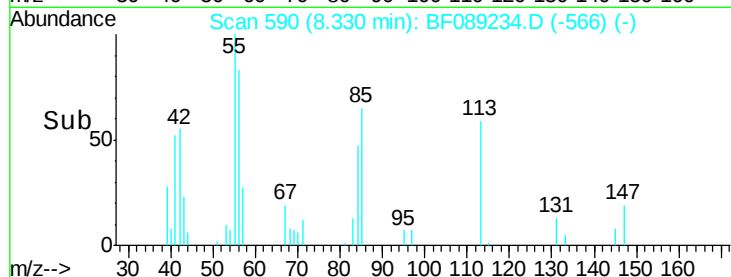
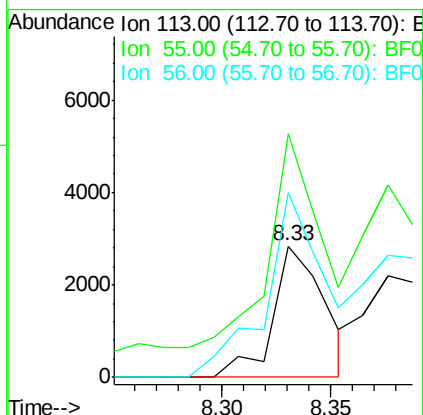
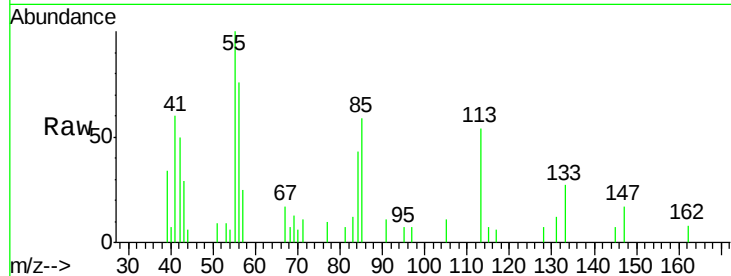




#35
 Caprolactam
 Concen: 5.51 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

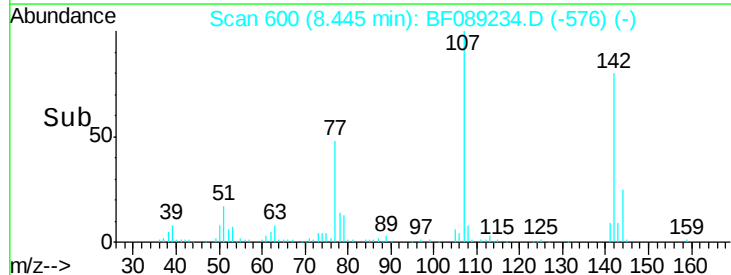
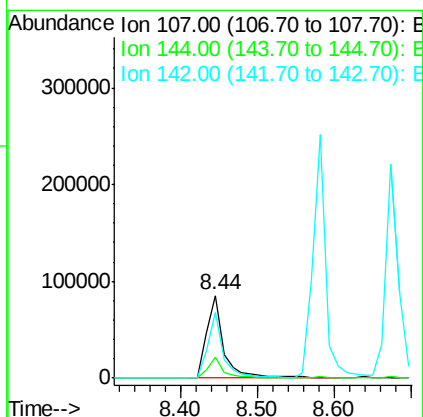
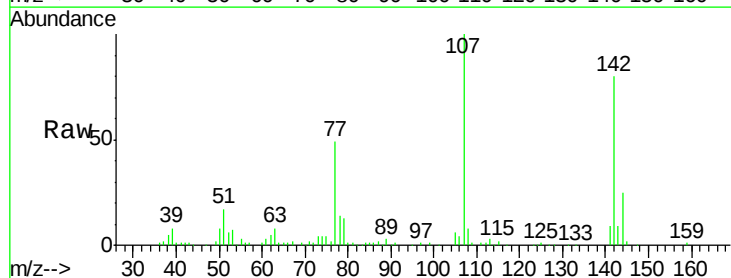
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

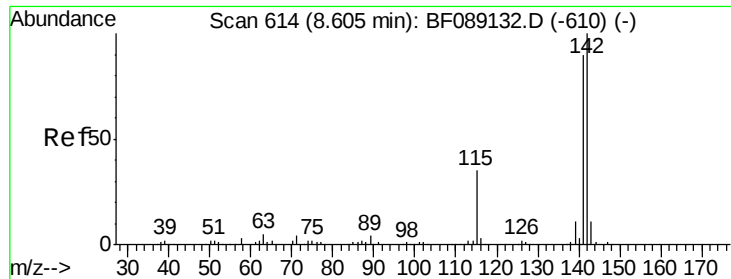
Tgt Ion:113 Resp: 4699
 Ion Ratio Lower Upper
 113 100
 55 185.7 145.3 185.3#
 56 141.0 104.3 144.3



#36
 4-Chloro-3-methylphenol
 Concen: 39.52 ng
 RT: 8.44 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:107 Resp: 130840
 Ion Ratio Lower Upper
 107 100
 144 24.9 17.8 26.6
 142 79.8 56.1 84.1

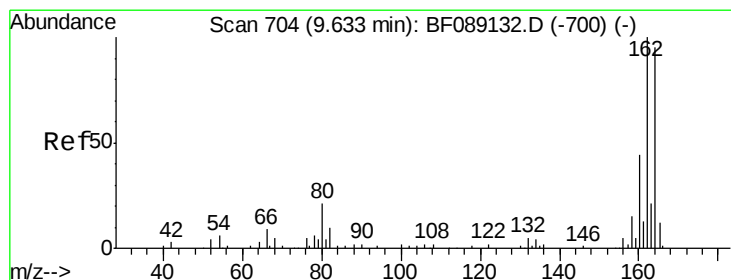
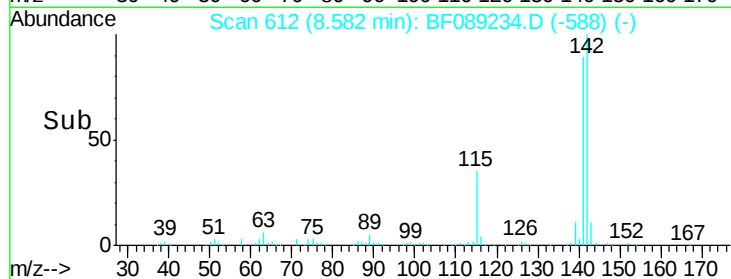
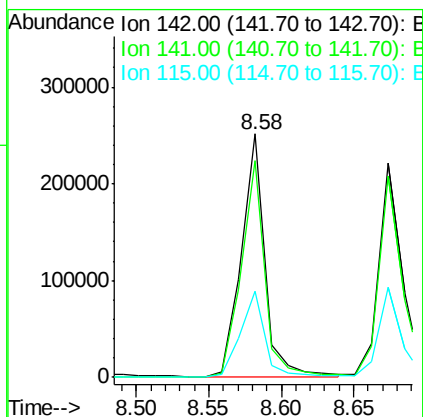
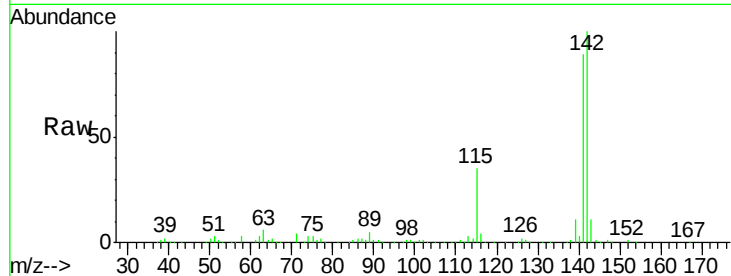




#37
 2-Methylnaphthalene
 Concen: 42.18 ng
 RT: 8.58 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

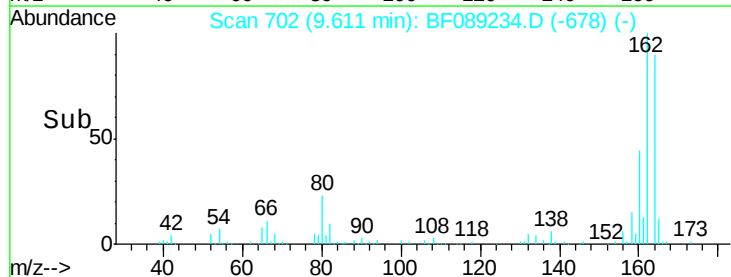
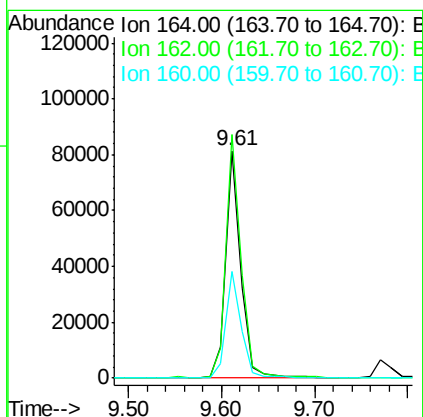
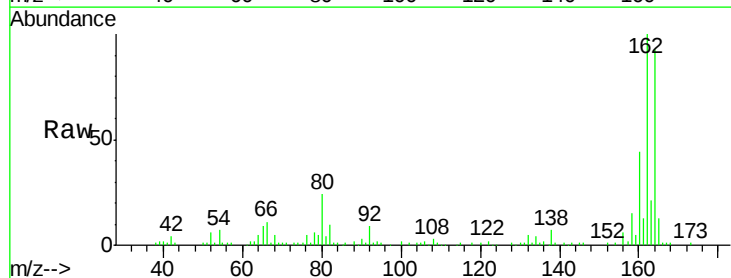
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

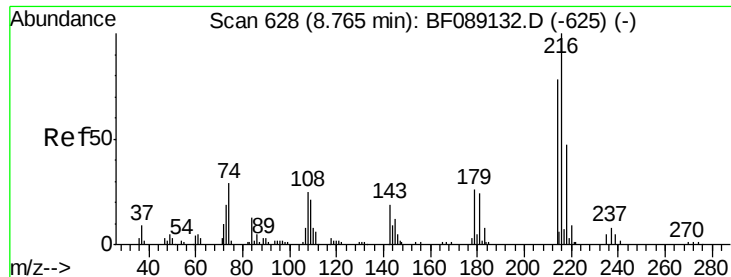
Tgt Ion:142 Resp: 283823
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.6 107.4
 115 35.3 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:164 Resp: 91632
 Ion Ratio Lower Upper
 164 100
 162 107.0 84.1 126.1
 160 46.8 37.1 55.7

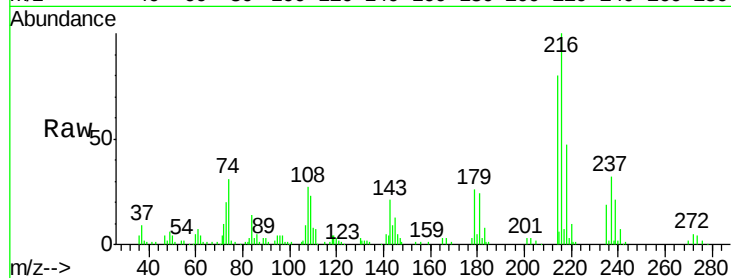




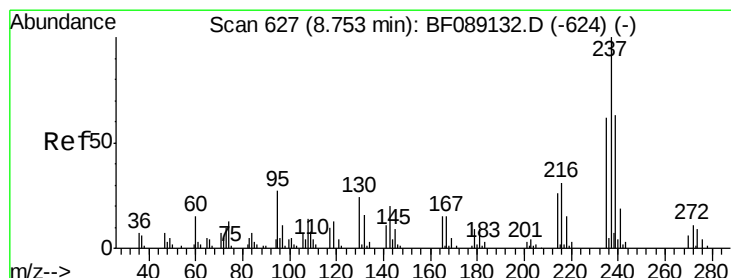
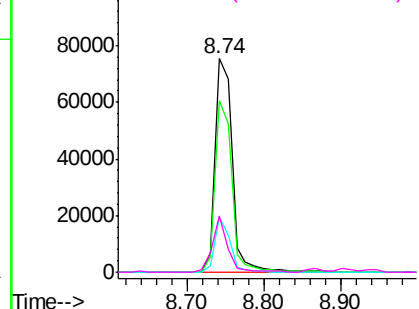
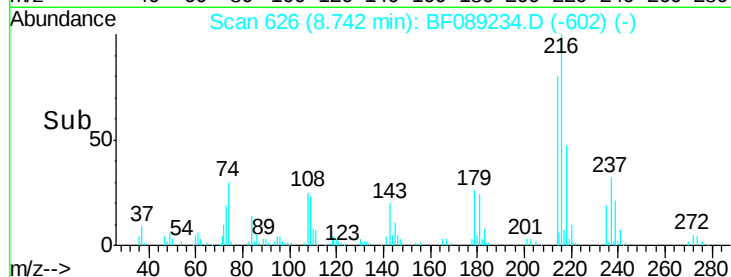
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.30 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:	216	Resp:	116825
Ion	Ratio	Lower	Upper
216	100		
214	78.4	61.9	92.9
179	22.3	18.4	27.6
108	23.2	17.0	25.6

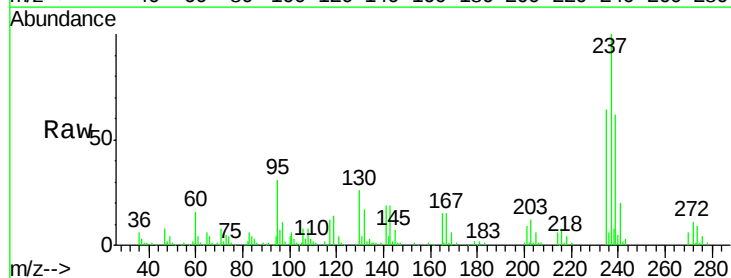


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

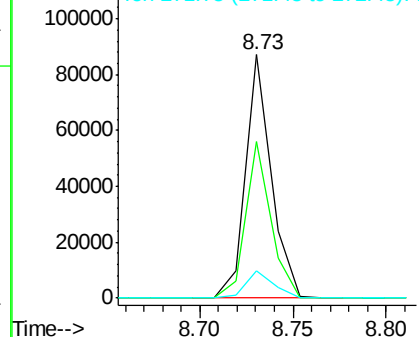
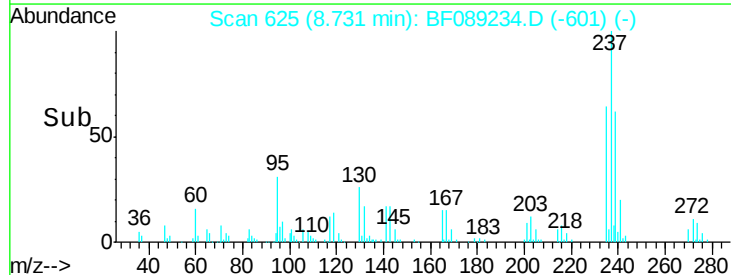


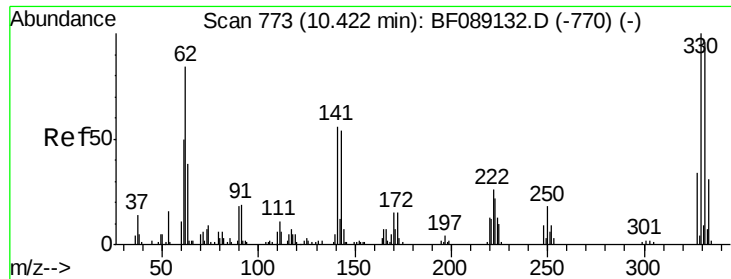
#40
 Hexachlorocyclopentadiene
 Concen: 73.81 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:	237	Resp:	83324
Ion	Ratio	Lower	Upper
237	100		
235	64.4	42.1	82.1
272	11.2	0.0	31.4



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

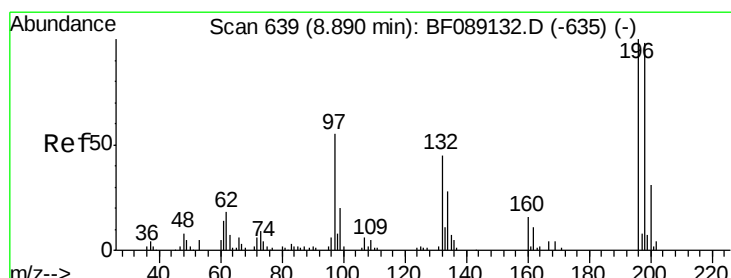
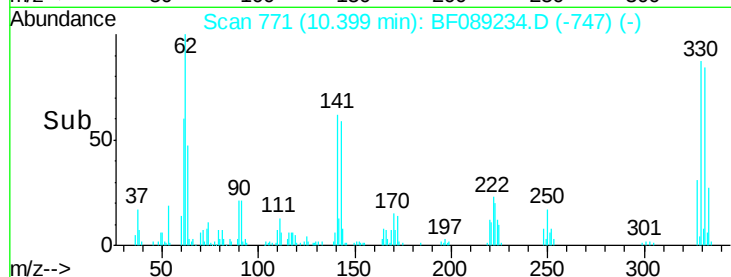
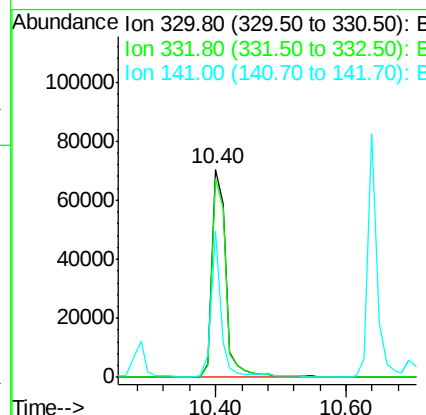
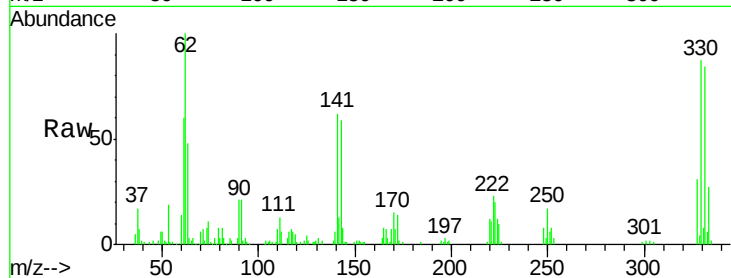




#41
 2,4,6-Tribromophenol
 Concen: 129.29 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

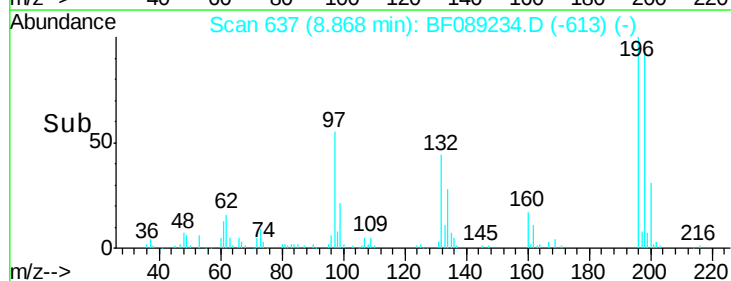
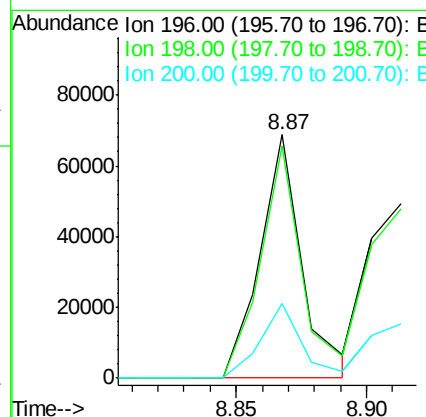
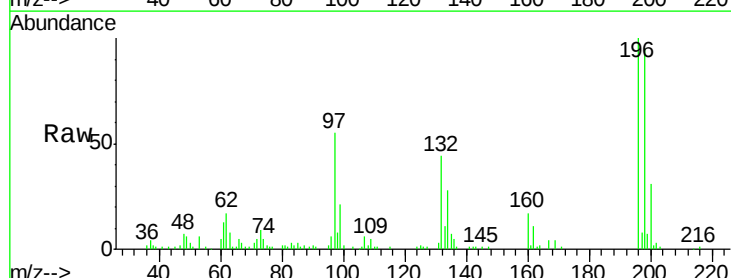
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

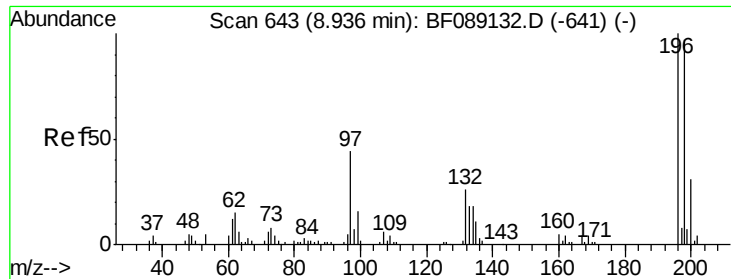
Tgt Ion:330 Resp: 106663
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.2 115.8
 141 47.6 42.2 63.2



#42
 2,4,6-Trichlorophenol
 Concen: 40.66 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:196 Resp: 77505
 Ion Ratio Lower Upper
 196 100
 198 95.2 78.3 117.5
 200 30.6 25.0 37.4

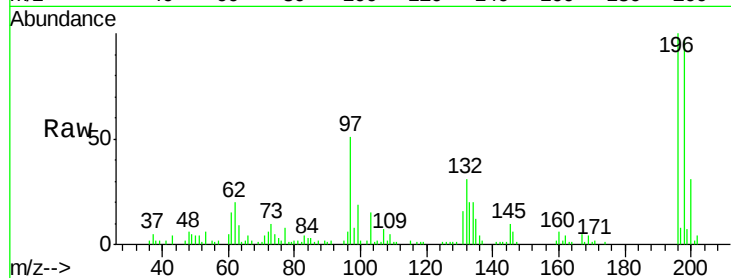




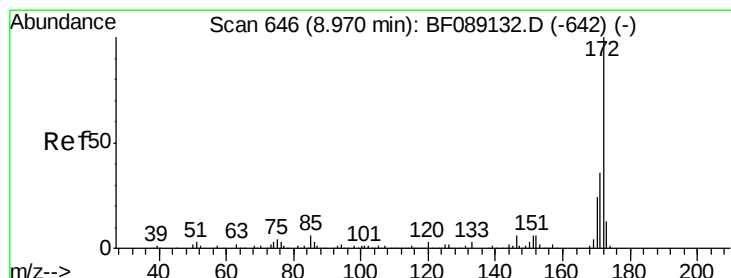
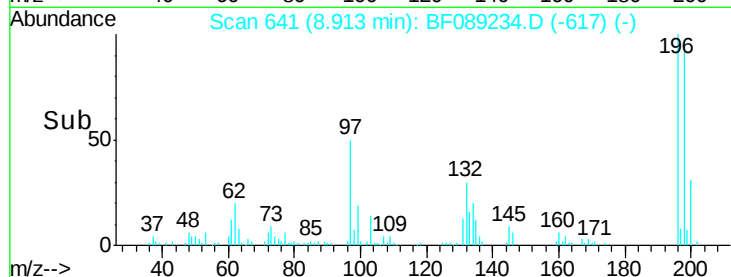
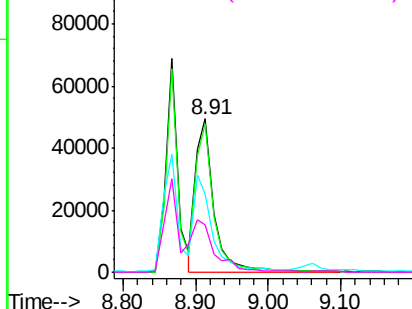
#43
 2,4,5-Trichlorophenol
 Concen: 46.46 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:196 Resp: 88903
 Ion Ratio Lower Upper
 196 100
 198 96.7 77.6 116.4
 97 50.7 36.5 54.7
 132 30.6 21.2 31.8

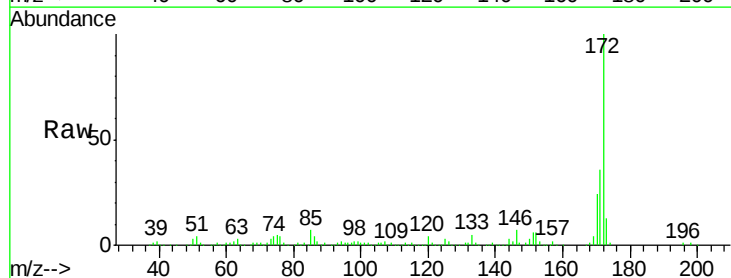


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

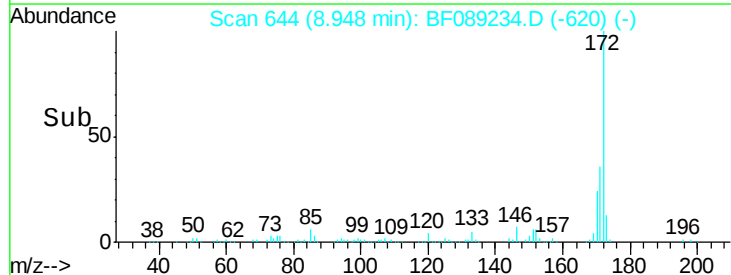
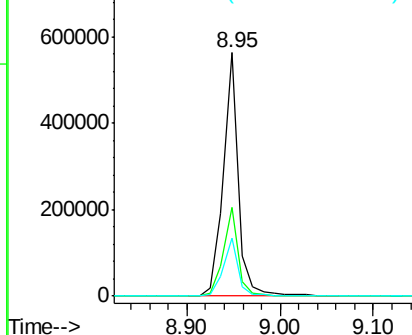


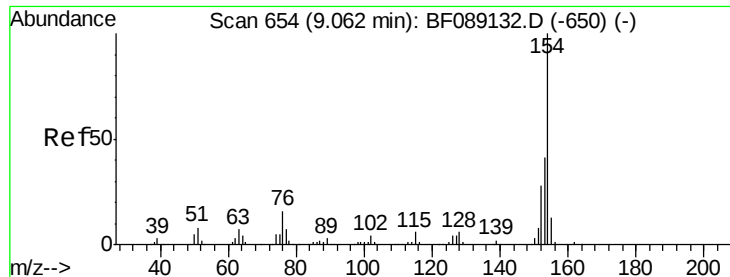
#44
 2-Fluorobiphenyl
 Concen: 94.91 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:172 Resp: 631177
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.0 19.1 28.7



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

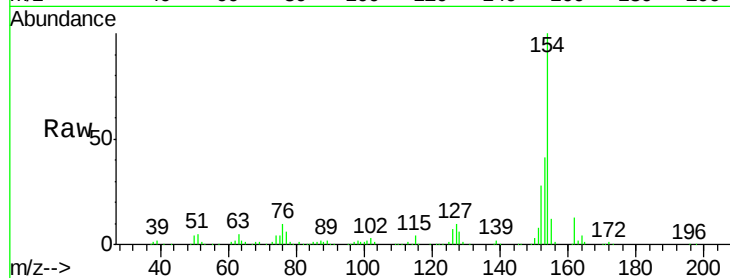




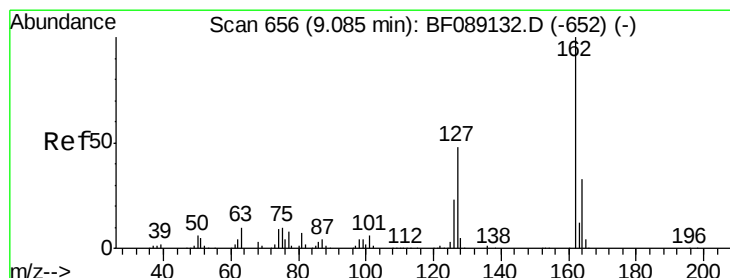
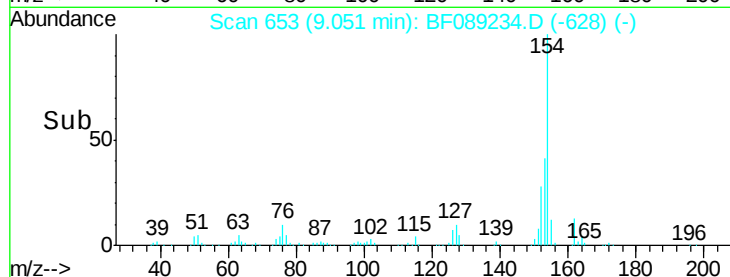
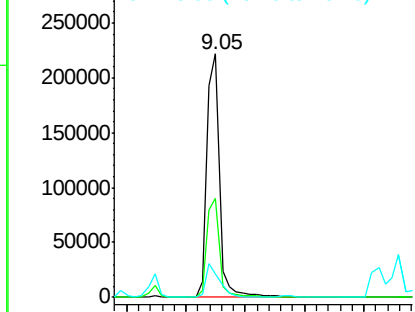
#45
 1,1'-Biphenyl
 Concen: 40.37 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:154 Resp: 333134
 Ion Ratio Lower Upper
 154 100
 153 40.8 21.1 61.1
 76 9.6 0.0 35.8

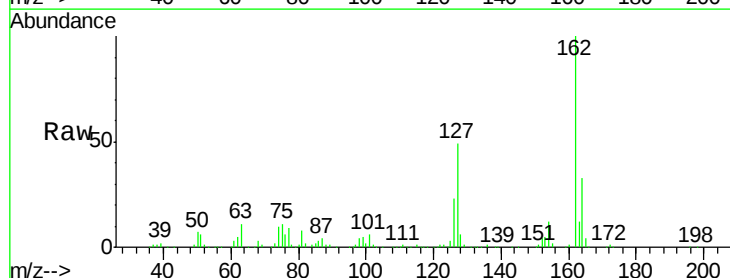


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

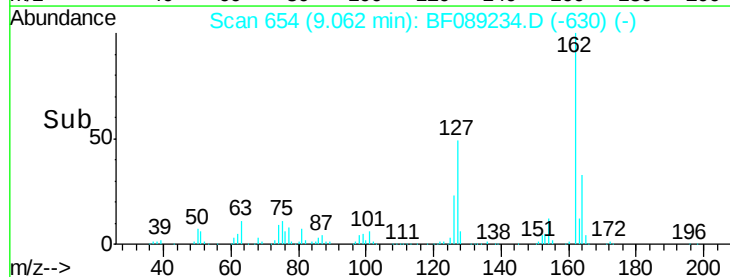
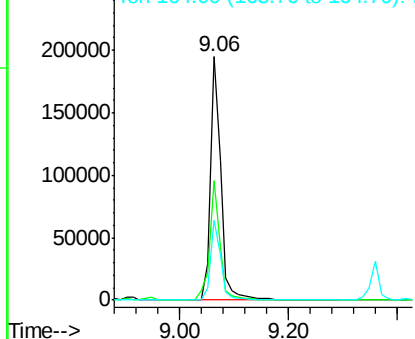


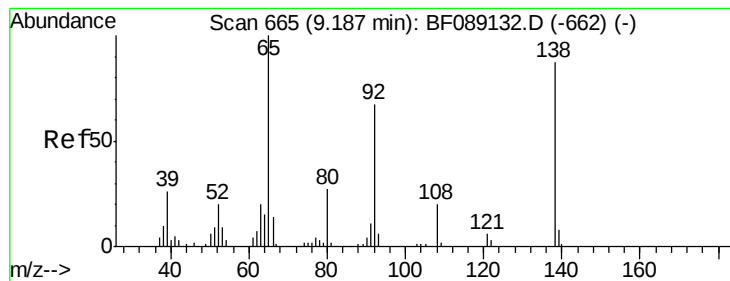
#46
 2-Chloronaphthalene
 Concen: 41.68 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:162 Resp: 261348
 Ion Ratio Lower Upper
 162 100
 127 49.0 38.1 57.1
 164 32.6 26.1 39.1



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: 42.35 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

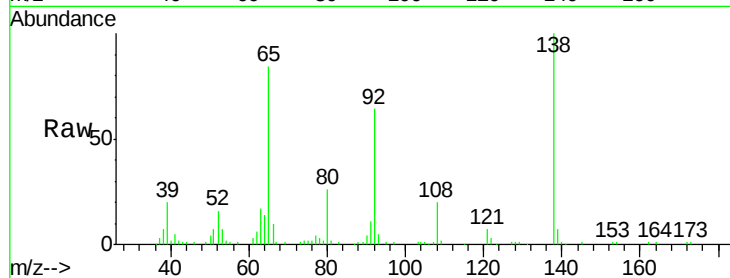
Tgt Ion: 65 Resp: 91098

Ion Ratio Lower Upper

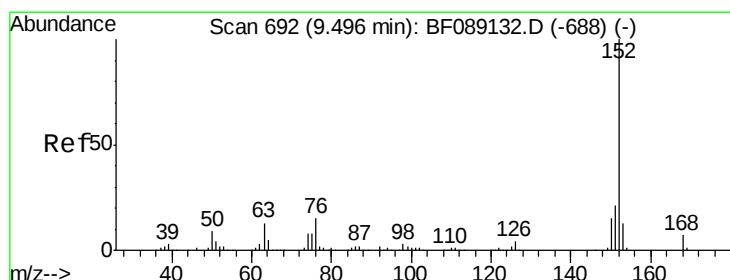
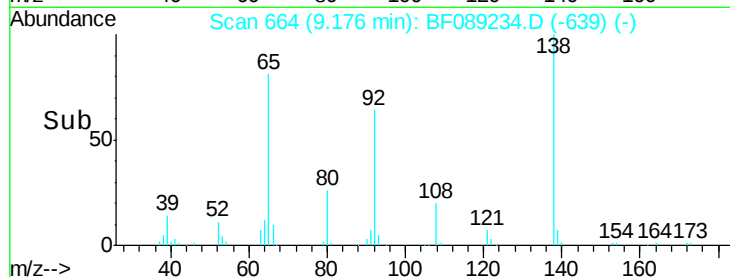
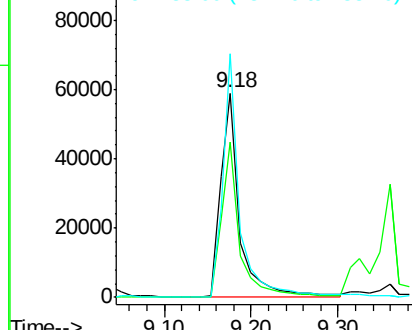
65 100

92 76.1 53.2 79.8

138 119.1 69.4 104.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 43.08 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

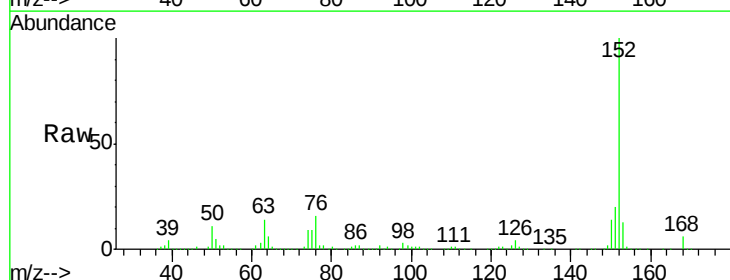
Tgt Ion: 152 Resp: 424724

Ion Ratio Lower Upper

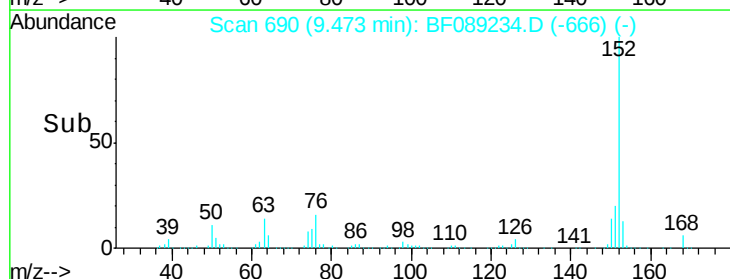
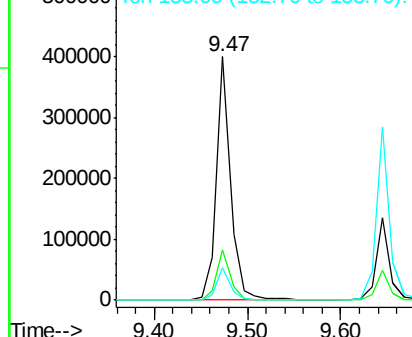
152 100

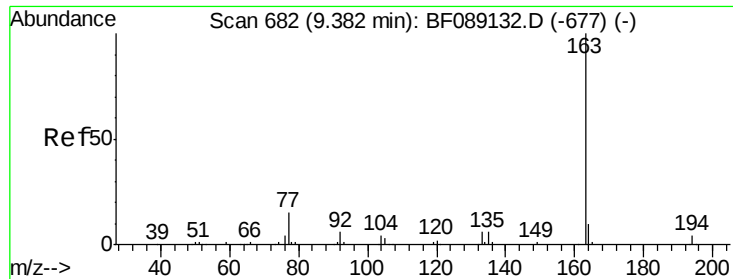
151 20.4 16.5 24.7

153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

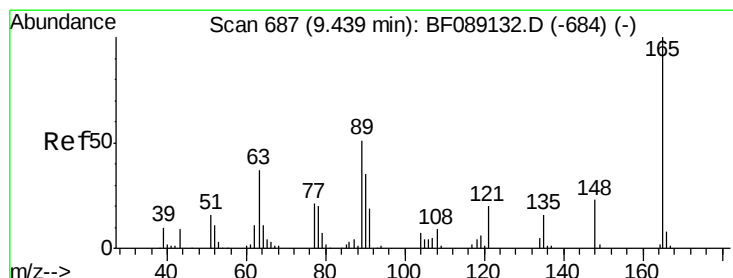
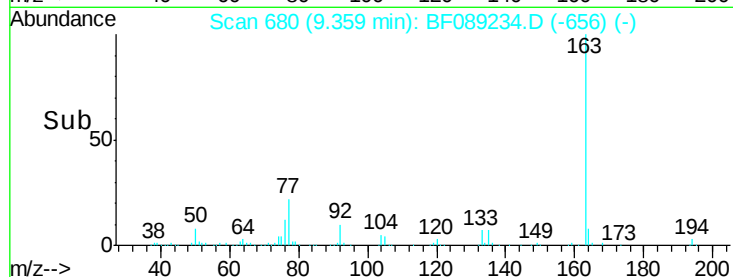
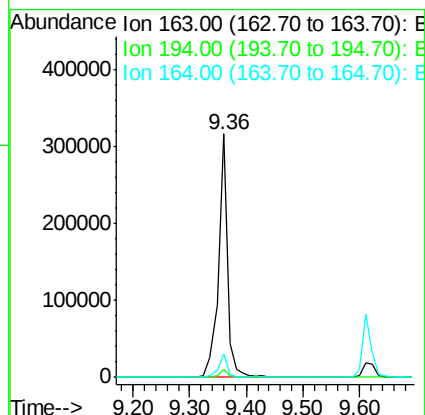
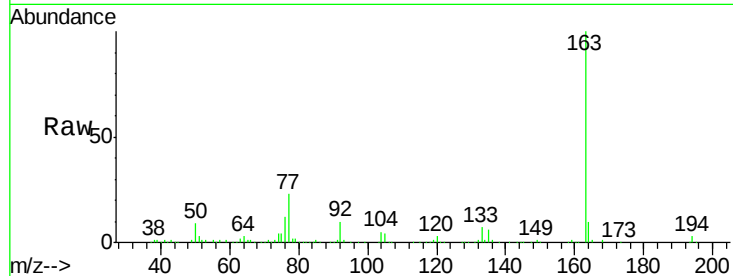




#49
Dimethylphthalate
Concen: 49.58 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

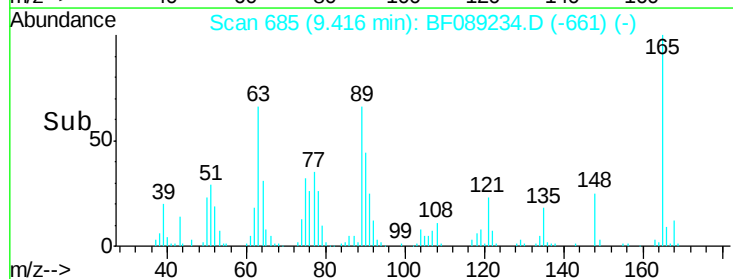
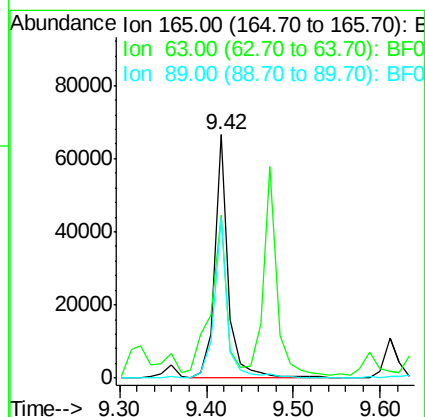
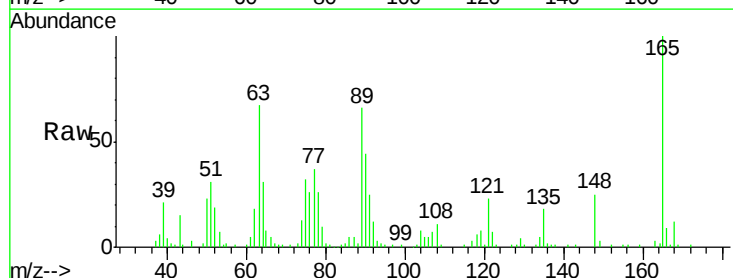
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

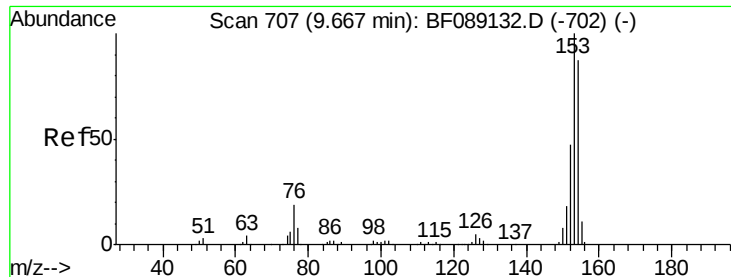
Tgt Ion:163 Resp: 348595
Ion Ratio Lower Upper
163 100
194 3.1 2.9 4.3
164 9.9 7.6 11.4



#50
2,6-Dinitrotoluene
Concen: 45.94 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:165 Resp: 72932
Ion Ratio Lower Upper
165 100
63 67.1 37.0 55.4#
89 65.9 40.9 61.3#





#51

Acenaphthene

Concen: 41.90 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

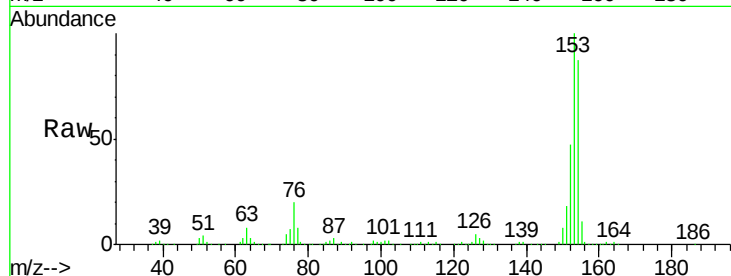
Tgt Ion:154 Resp: 244388

Ion Ratio Lower Upper

154 100

153 115.4 91.9 137.9

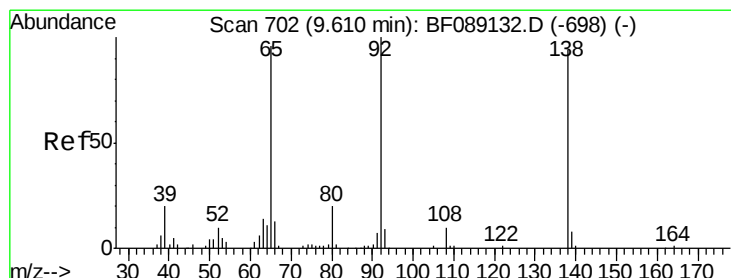
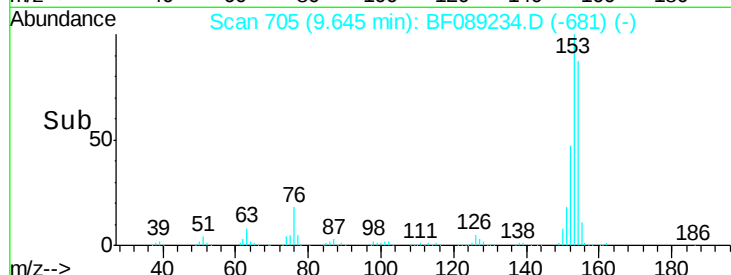
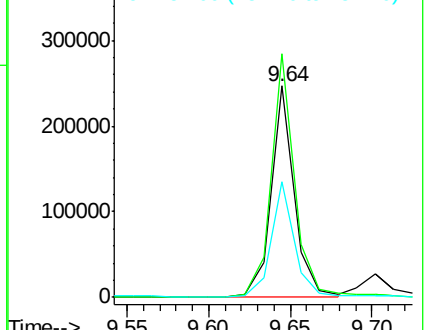
152 54.6 42.8 64.2



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: 25.71 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

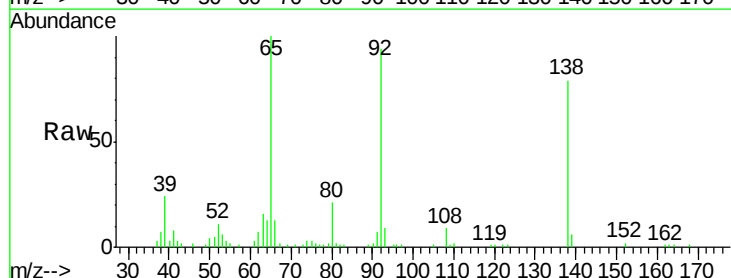
Tgt Ion:138 Resp: 48468

Ion Ratio Lower Upper

138 100

108 11.8 8.8 13.2

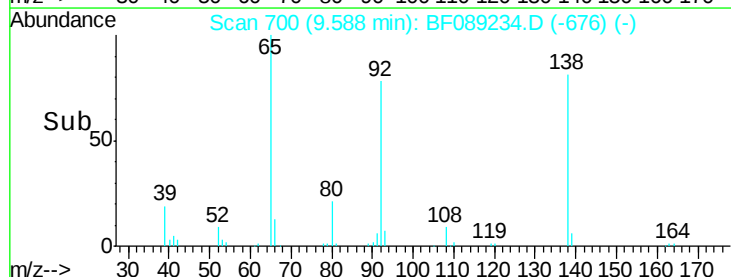
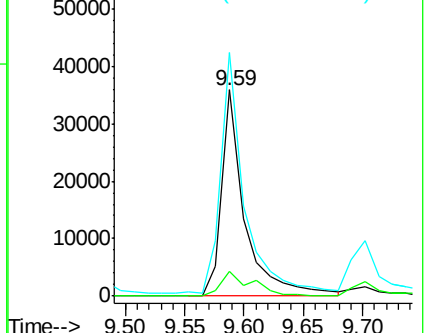
92 118.1 85.3 127.9

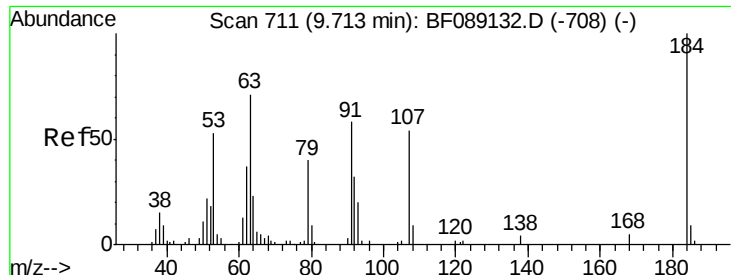


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

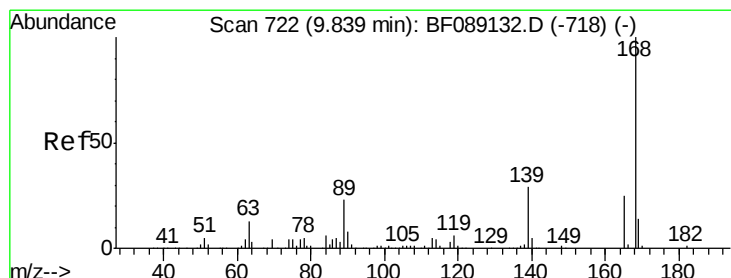
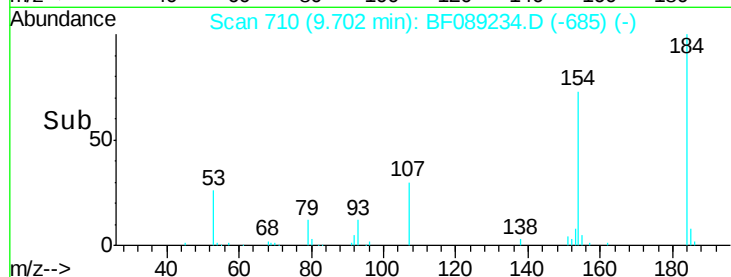
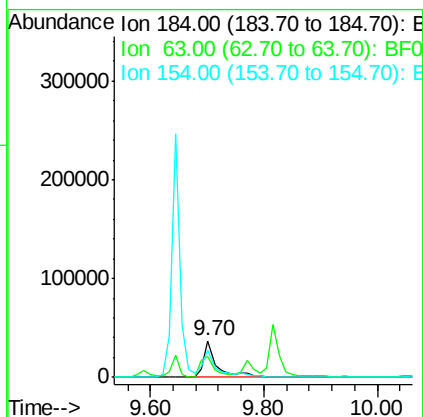
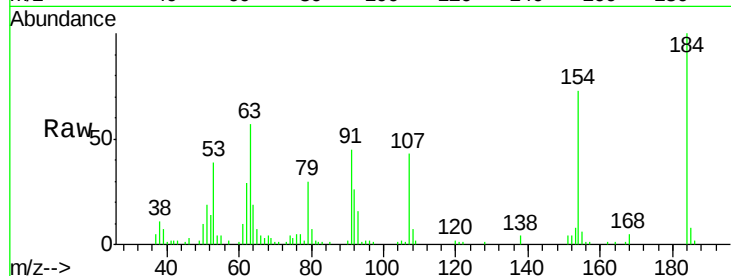




#53
 2,4-Dinitrophenol
 Concen: 75.29 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

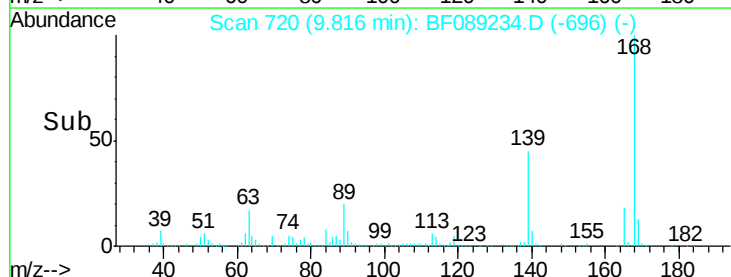
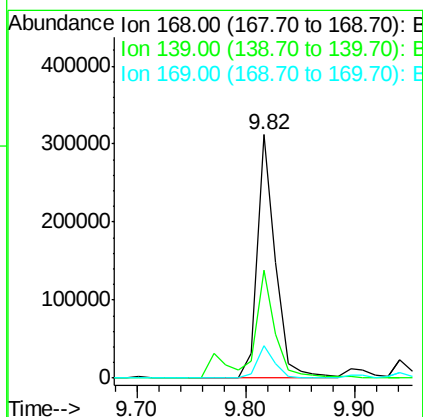
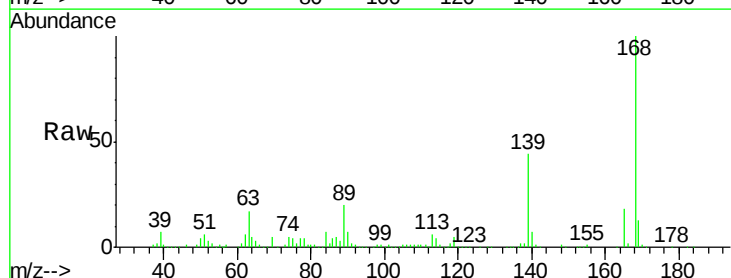
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

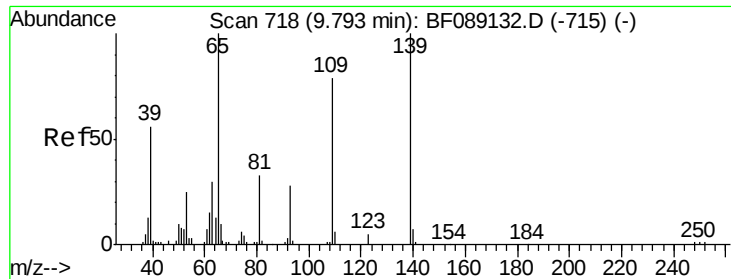
Tgt Ion:184 Resp: 60503
 Ion Ratio Lower Upper
 184 100
 63 56.6 60.3 90.5#
 154 73.2 60.7 91.1



#54
 Dibenzofuran
 Concen: 46.26 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:168 Resp: 364521
 Ion Ratio Lower Upper
 168 100
 139 44.5 34.4 51.6
 169 13.4 10.8 16.2





#55

4-Nitrophenol

Concen: 35.14 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

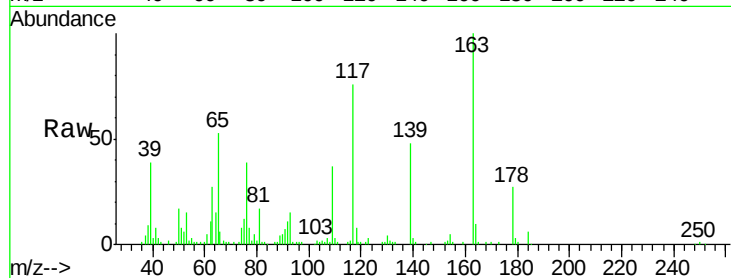
Tgt Ion:139 Resp: 40086

Ion Ratio Lower Upper

139 100

109 78.2 58.7 98.7

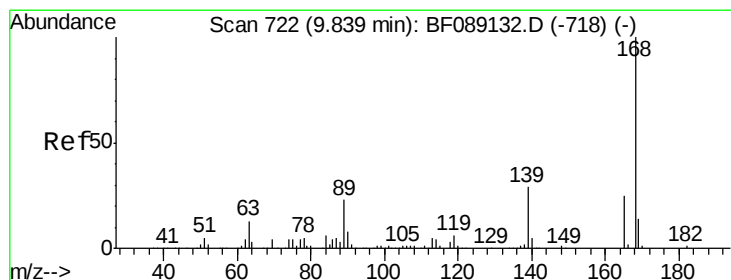
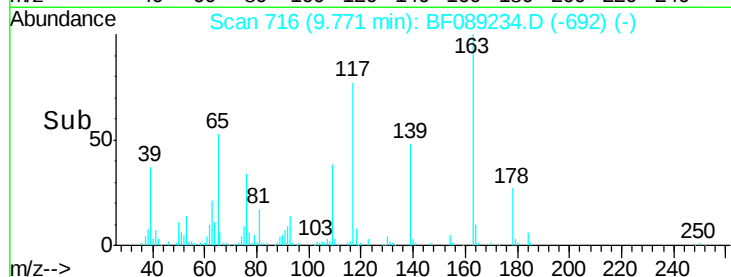
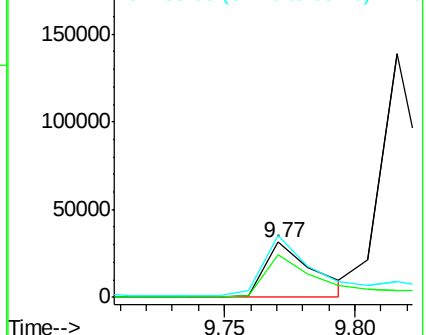
65 112.0 80.2 120.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 46.12 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Tgt Ion:165 Resp: 94316

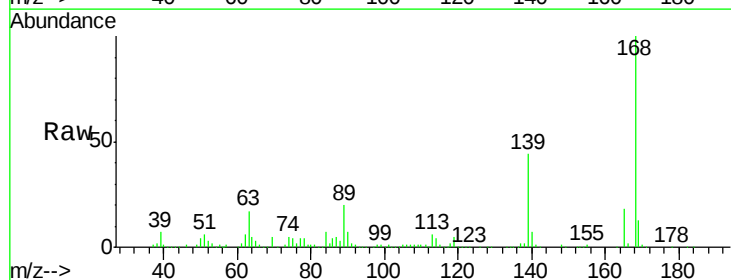
Ion Ratio Lower Upper

165 100

63 97.9 55.4 83.2#

89 116.5 74.3 111.5#

182 2.8 2.0 3.0

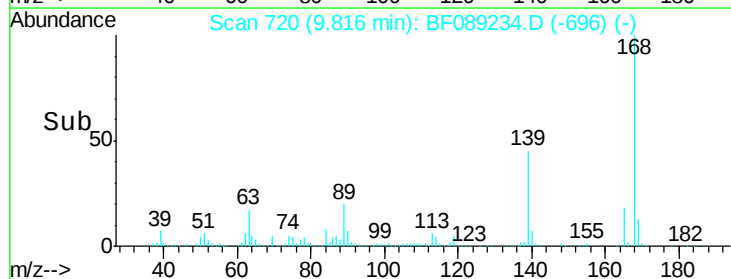
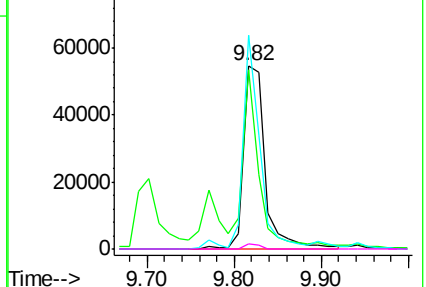


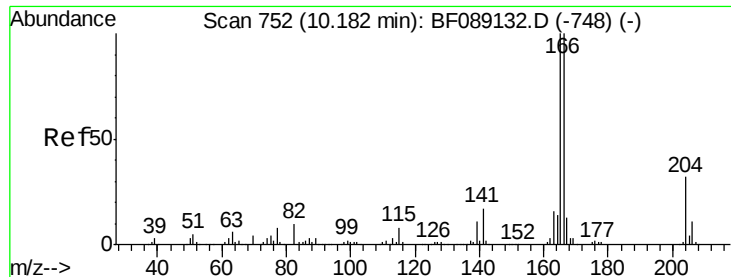
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

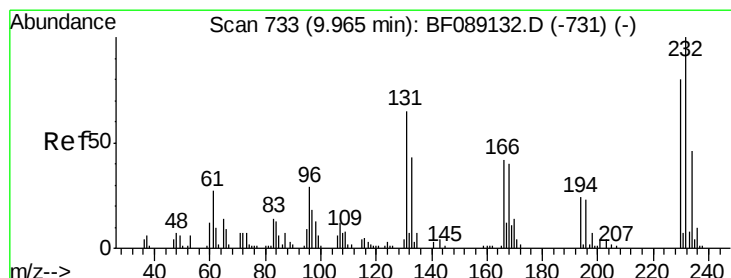
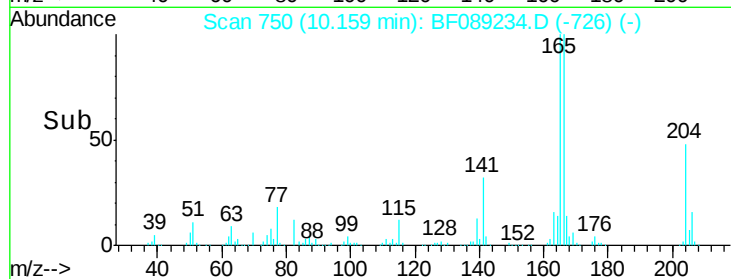
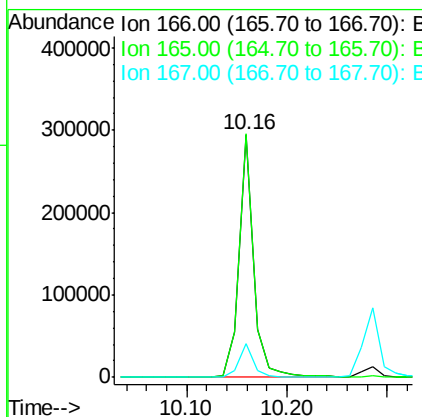
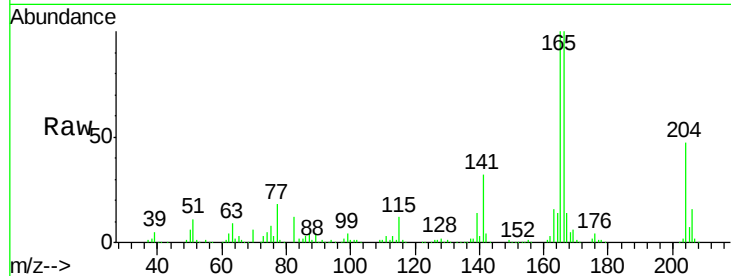




#57
 Fluorene
 Concen: 45.02 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

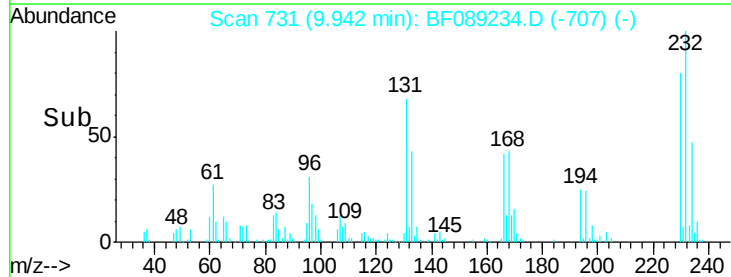
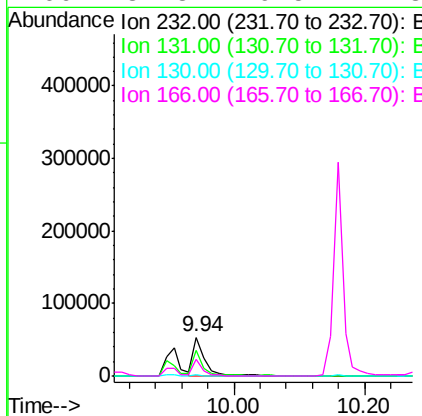
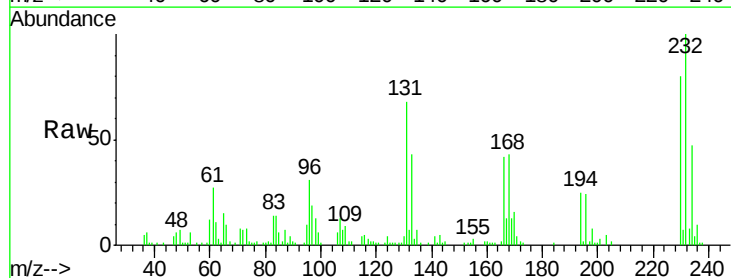
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

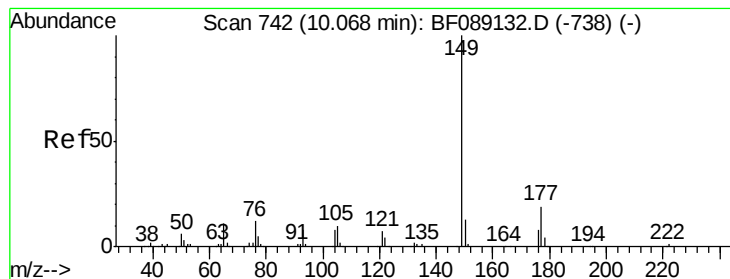
Tgt Ion:166 Resp: 301173
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.9 119.9
 167 13.8 10.7 16.1



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 51.13 ng
 RT: 9.94 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:232 Resp: 70270
 Ion Ratio Lower Upper
 232 100
 131 58.8 46.2 69.2
 130 3.1 2.3 3.5
 166 32.8 29.5 44.3





#59

Diethylphthalate

Concen: 48.93 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

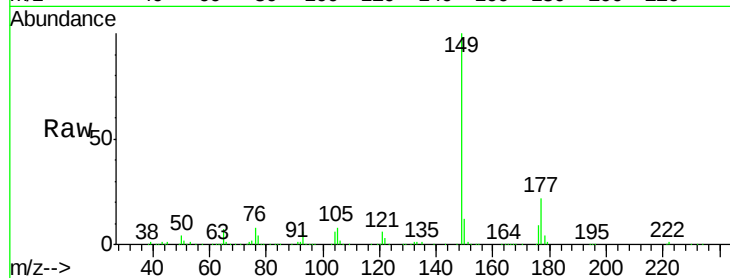
Tgt Ion:149 Resp: 341157

Ion Ratio Lower Upper

149 100

177 22.1 15.6 23.4

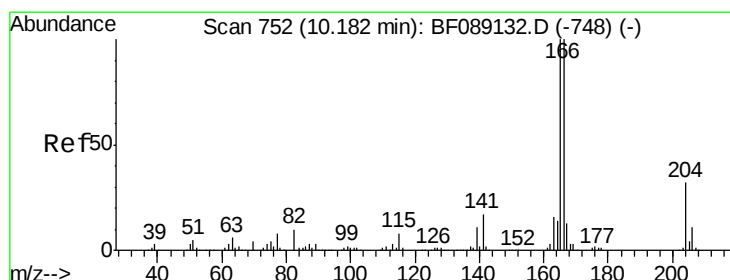
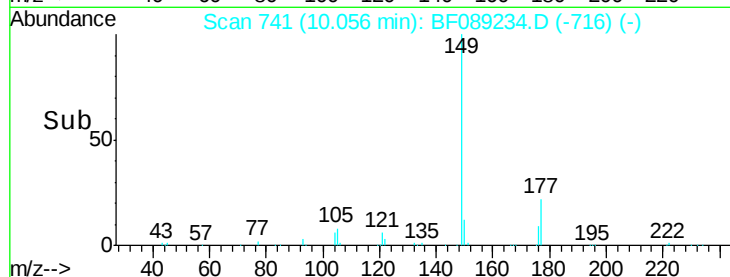
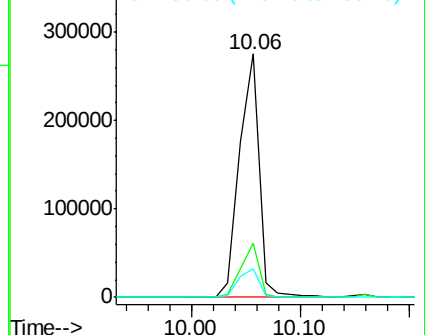
150 11.9 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.70 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

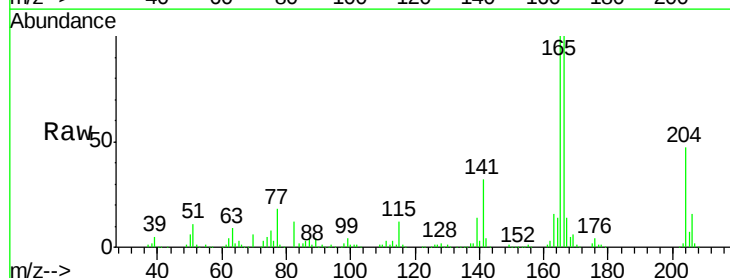
Tgt Ion:204 Resp: 139569

Ion Ratio Lower Upper

204 100

206 33.1 26.2 39.4

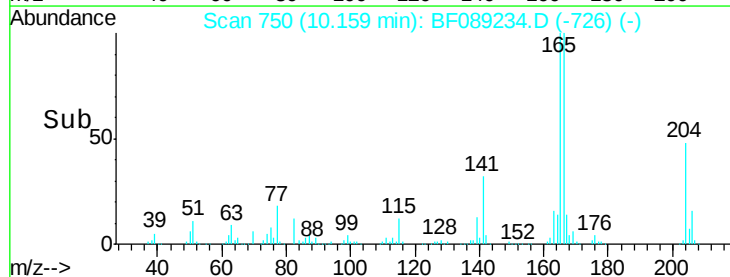
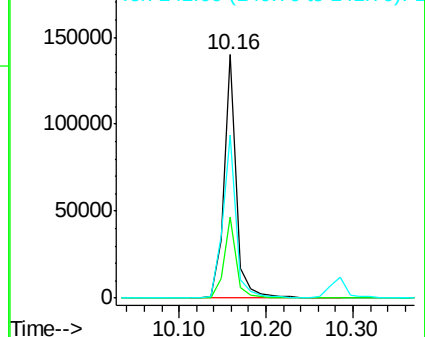
141 66.7 42.2 63.4#

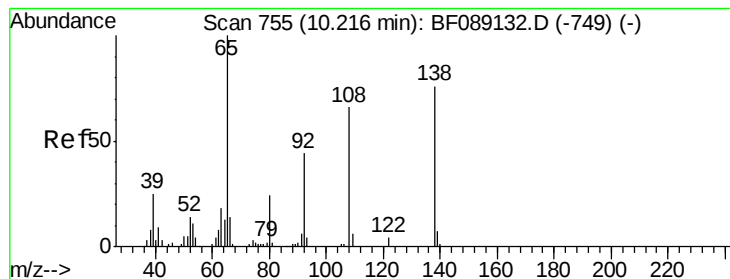


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 40.65 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

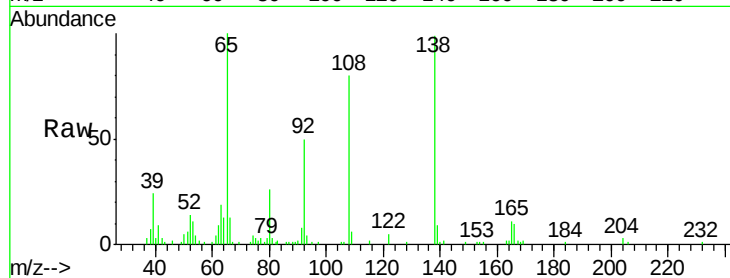
Tgt Ion:138 Resp: 74562

Ion Ratio Lower Upper

138 100

92 50.5 37.2 77.2

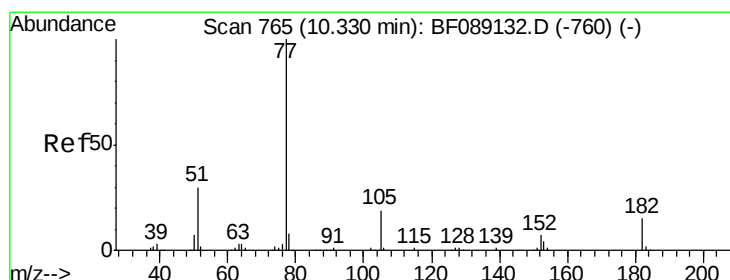
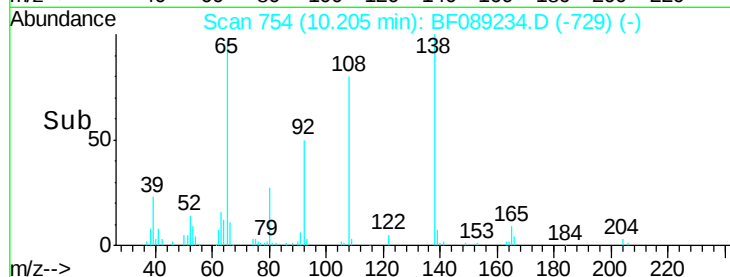
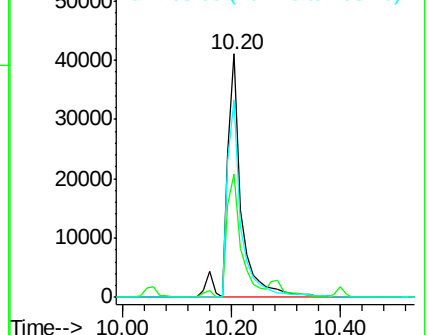
108 80.9 66.1 106.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 50.48 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Tgt Ion: 77 Resp: 382541

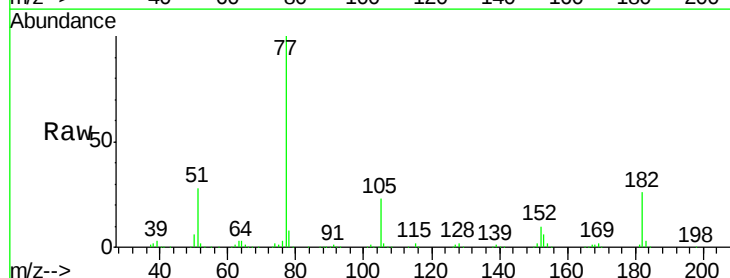
Ion Ratio Lower Upper

77 100

182 25.5 0.0 35.0

105 22.7 0.0 39.4

51 28.0 10.7 50.7

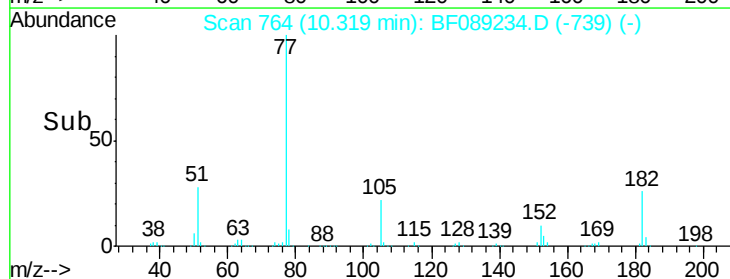
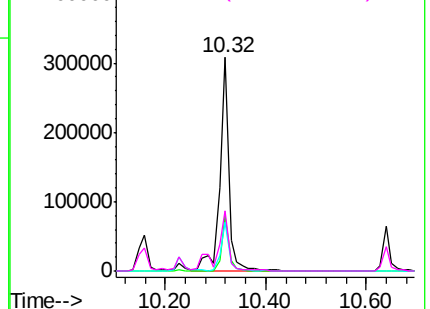


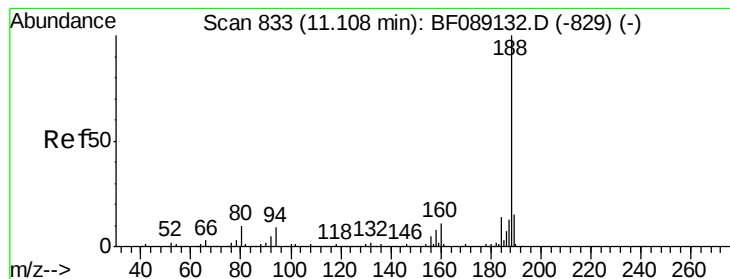
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

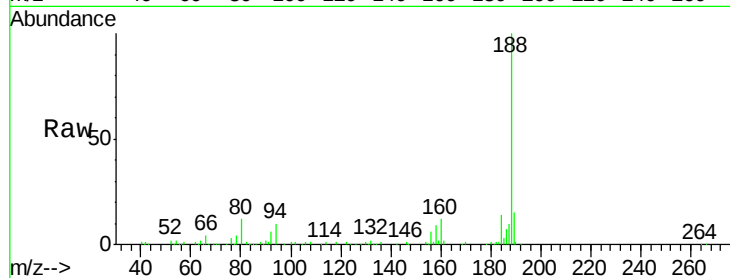
Tgt Ion:188 Resp: 179767

Ion Ratio Lower Upper

188 100

94 10.3 7.0 10.4

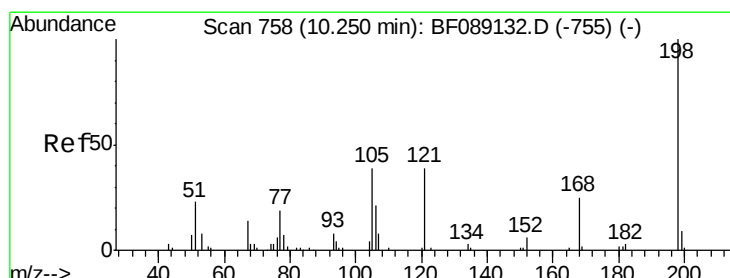
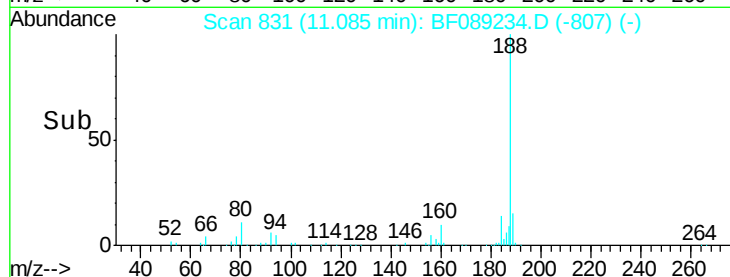
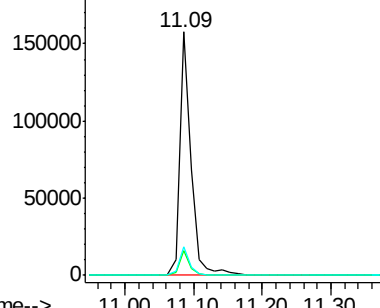
80 11.9 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 44.13 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

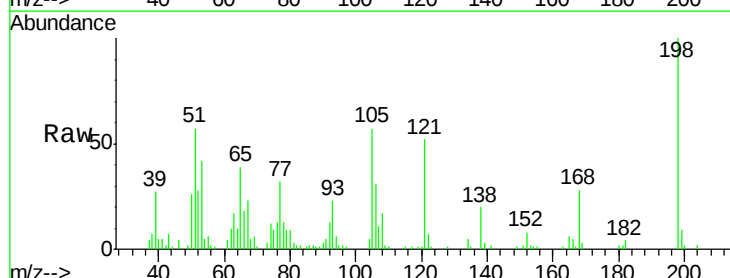
Tgt Ion:198 Resp: 46180

Ion Ratio Lower Upper

198 100

51 56.9 11.7 51.7#

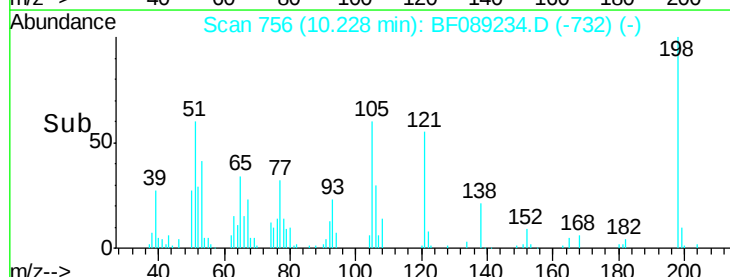
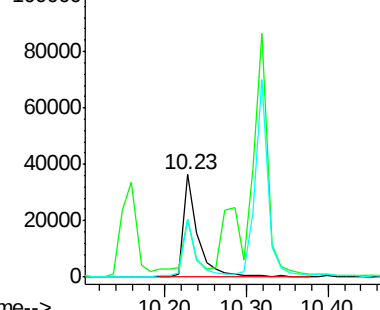
105 57.1 20.3 60.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 44.93 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

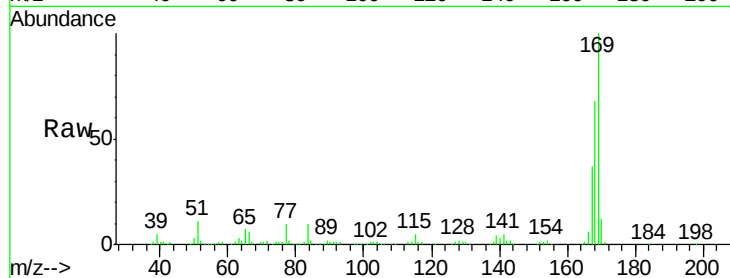
Tgt Ion:169 Resp: 269917

Ion Ratio Lower Upper

169 100

168 68.0 53.4 80.0

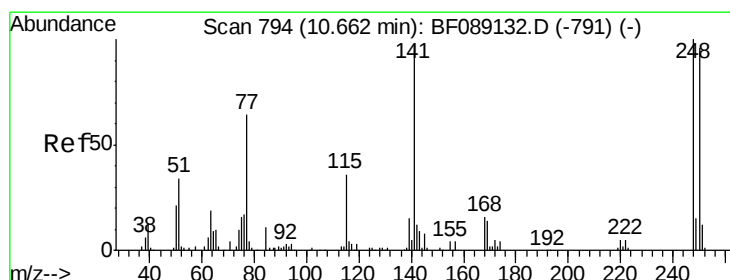
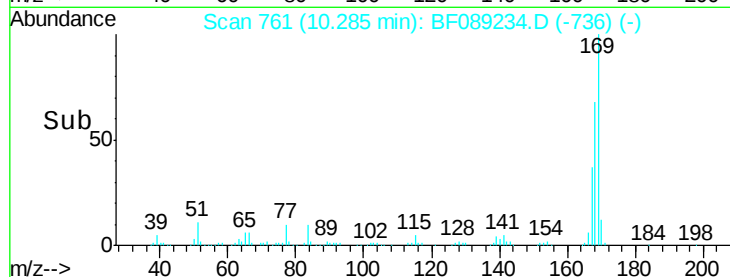
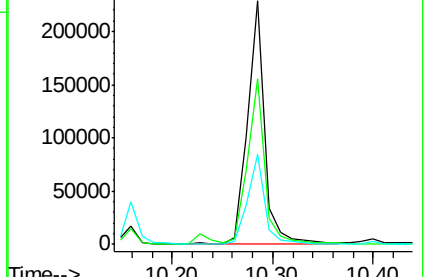
167 37.0 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 44.94 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

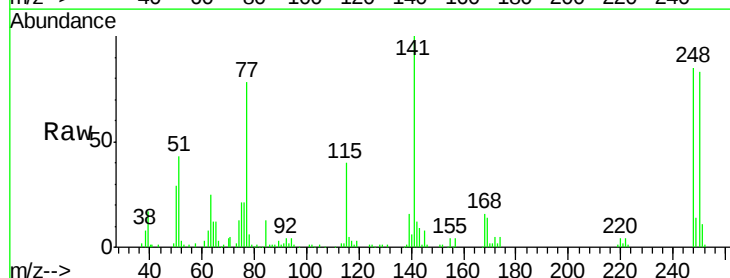
Tgt Ion:248 Resp: 79939

Ion Ratio Lower Upper

248 100

250 97.9 76.9 115.3

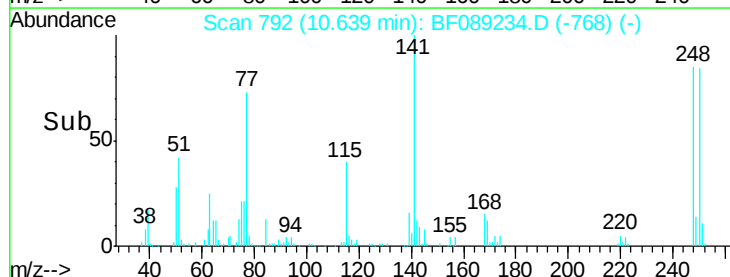
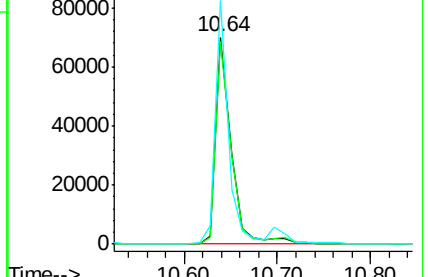
141 117.6 77.4 116.2#

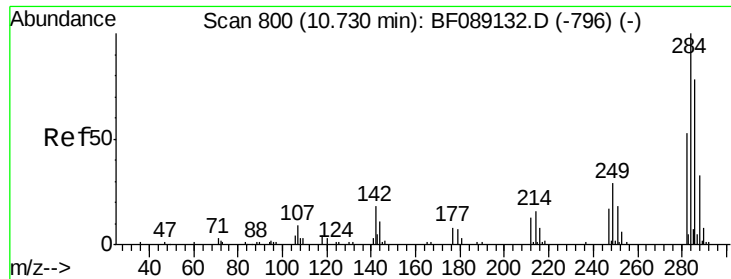


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

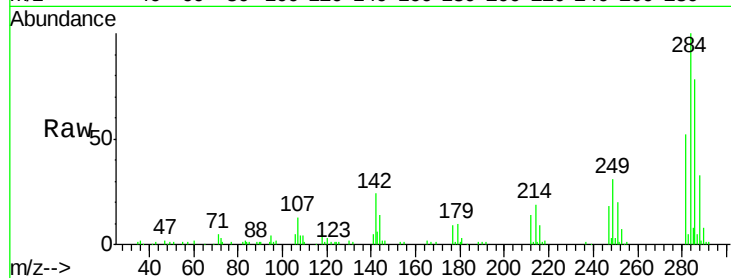




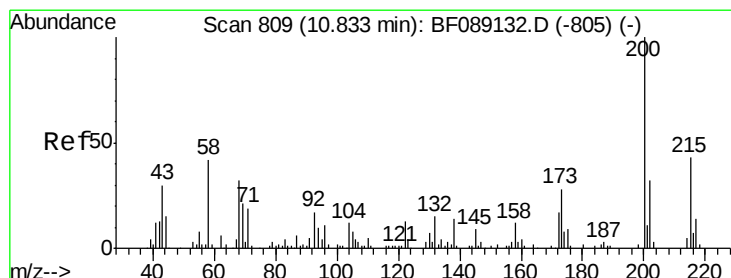
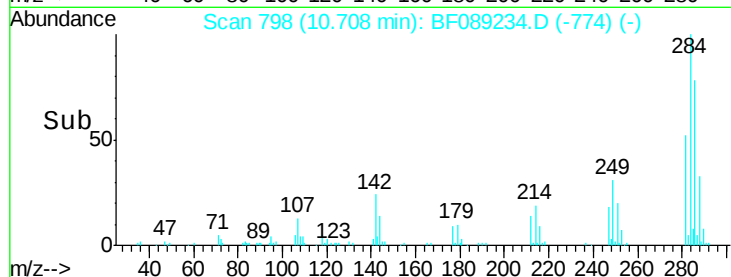
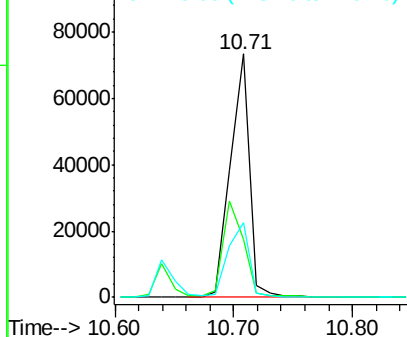
#67
Hexachlorobenzene
Concen: 42.96 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

Tgt Ion:284 Resp: 82191
Ion Ratio Lower Upper
284 100
142 24.0 14.1 21.1#
249 30.7 23.0 34.4

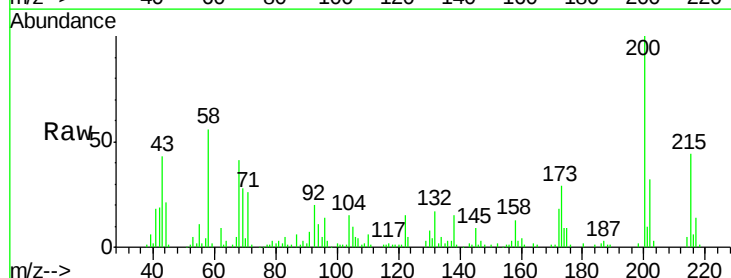


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

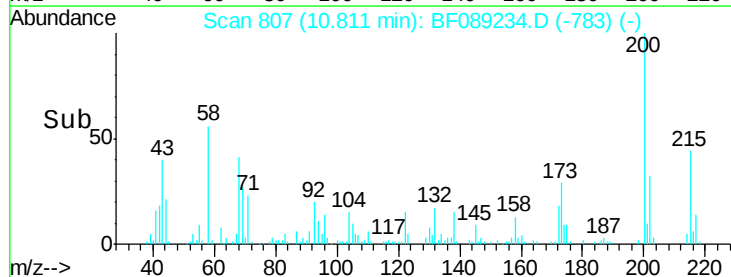
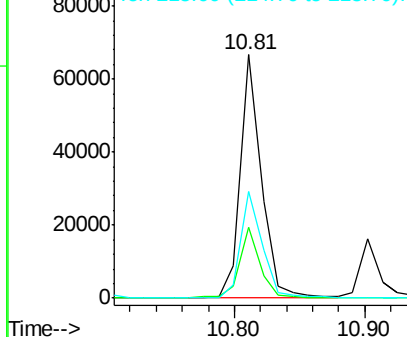


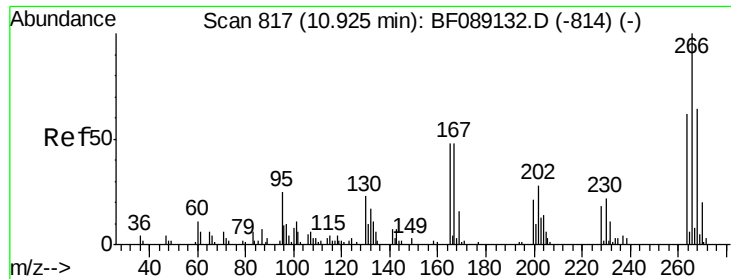
#68
Atrazine
Concen: 39.80 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:200 Resp: 74784
Ion Ratio Lower Upper
200 100
173 29.0 7.8 47.8
215 43.5 22.9 62.9



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

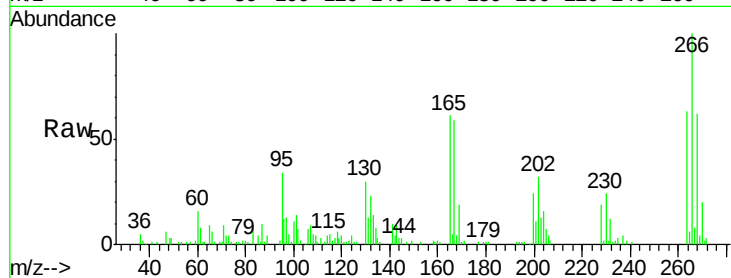




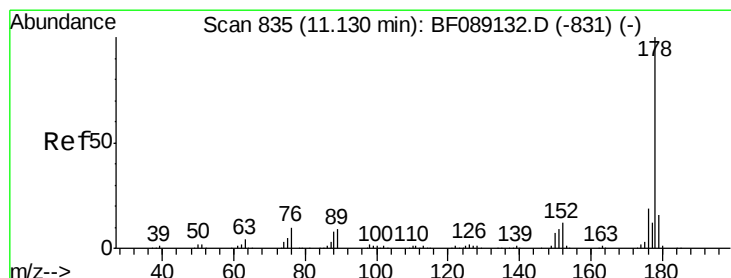
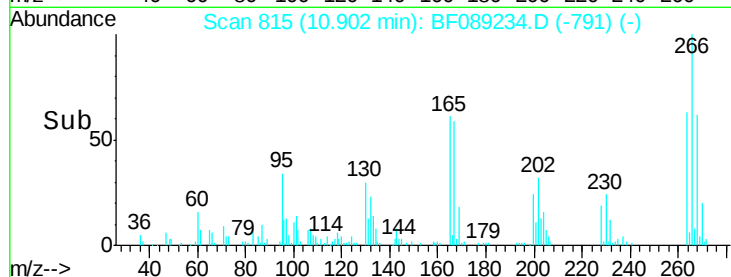
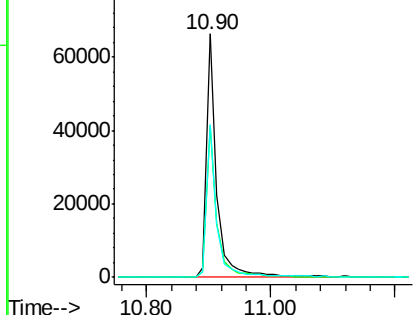
#69
 Pentachlorophenol
 Concen: 86.99 ng
 RT: 10.90 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion:266 Resp: 76791
 Ion Ratio Lower Upper
 266 100
 268 62.2 51.2 76.8
 264 62.9 49.7 74.5

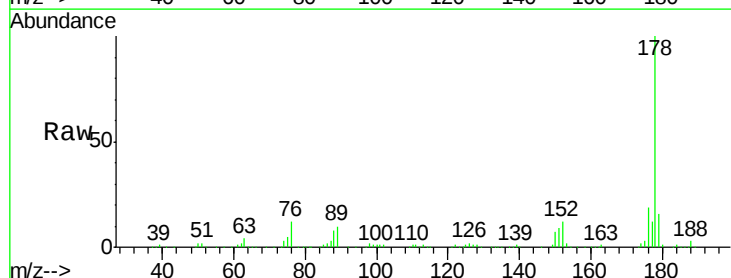


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

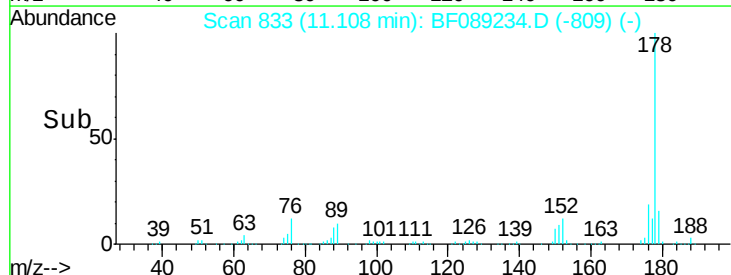
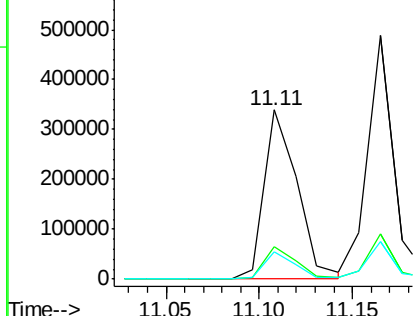


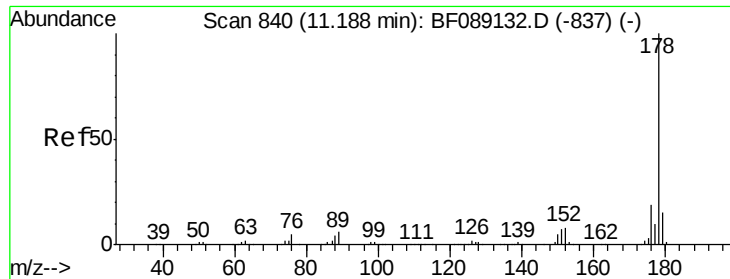
#70
 Phenanthrene
 Concen: 42.07 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:178 Resp: 414821
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.8 12.4 18.6



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

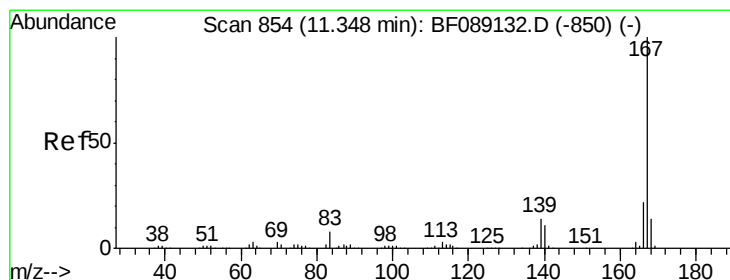
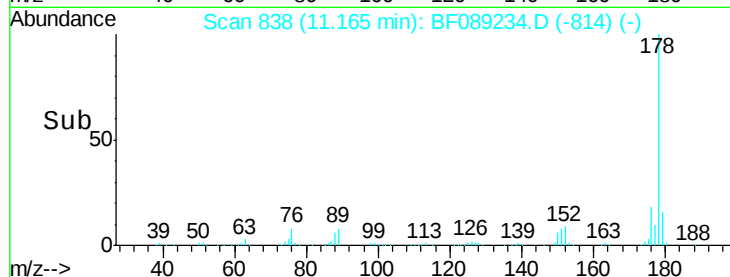
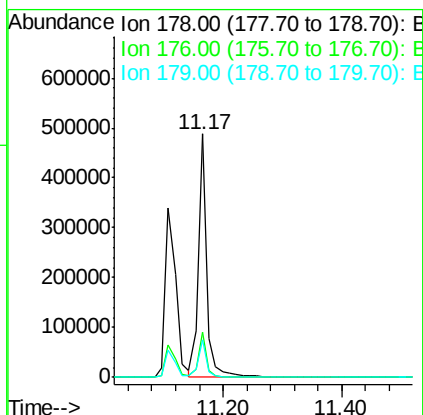
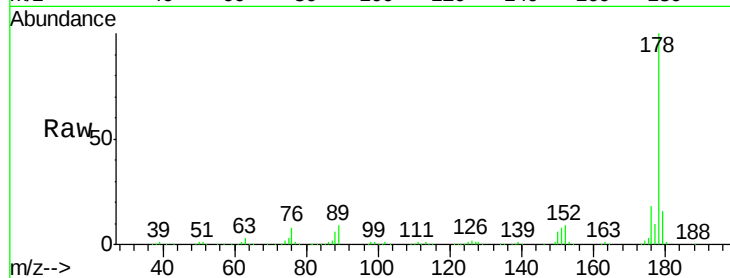




#71
 Anthracene
 Concen: 48.19 ng
 RT: 11.17 min Scan# 838
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

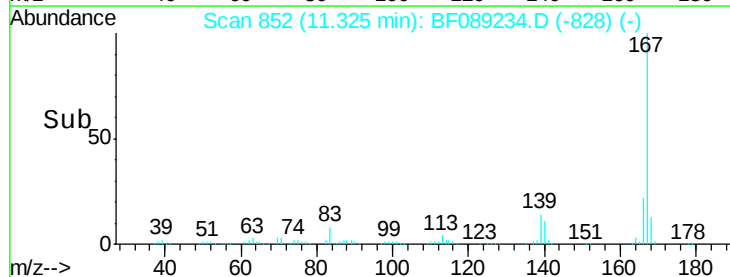
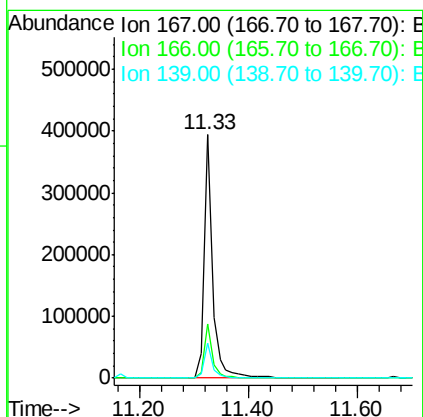
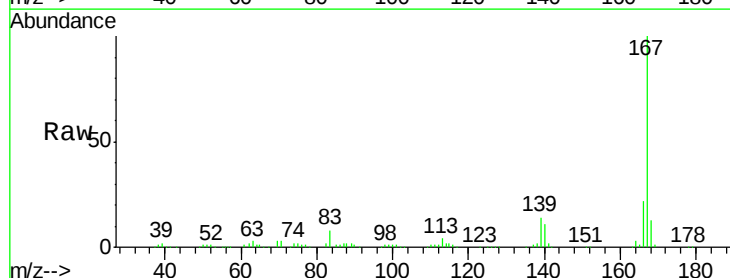
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

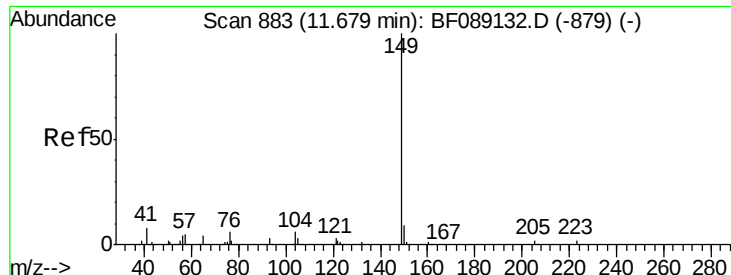
Tgt Ion:178 Resp: 493911
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 15.5 12.0 18.0



#72
 Carbazole
 Concen: 46.86 ng
 RT: 11.33 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:167 Resp: 421923
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 14.1 11.0 16.4

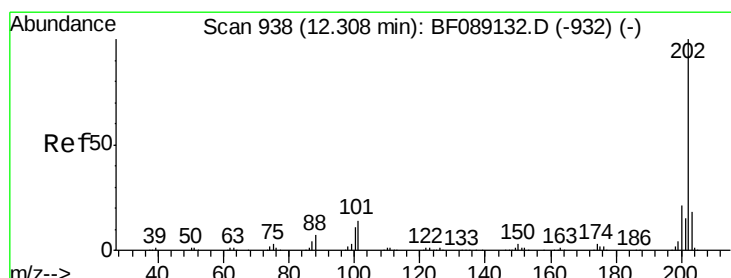
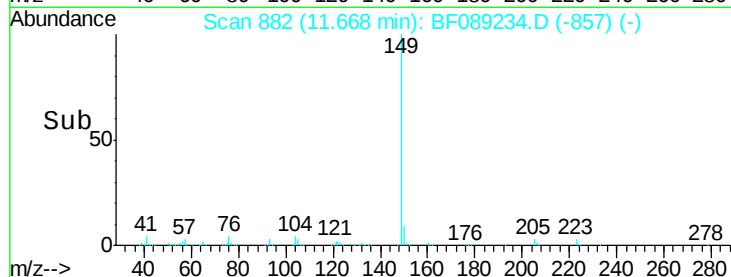
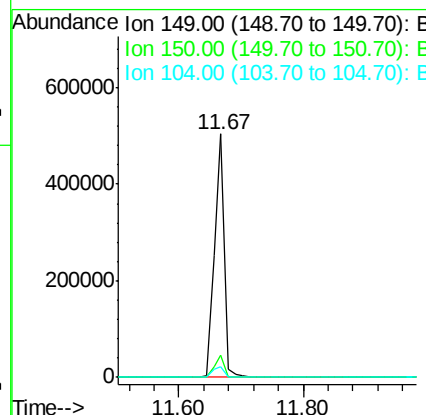
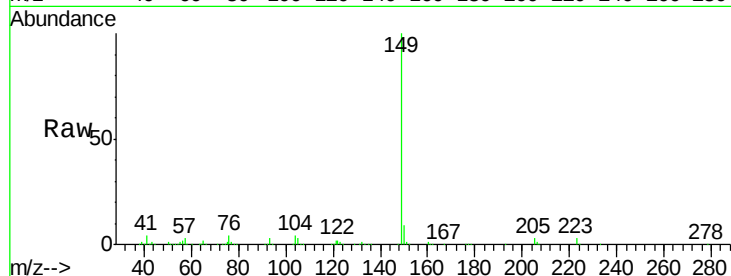




#73
Di-n-butylphthalate
Concen: 48.94 ng
RT: 11.67 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

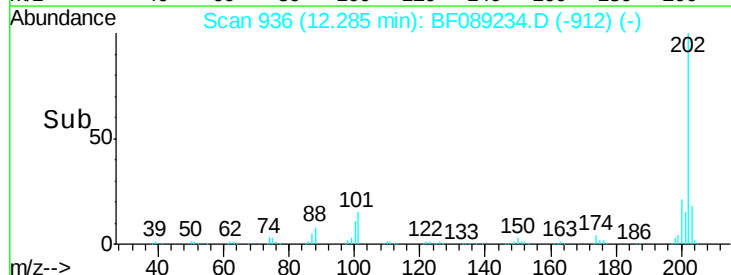
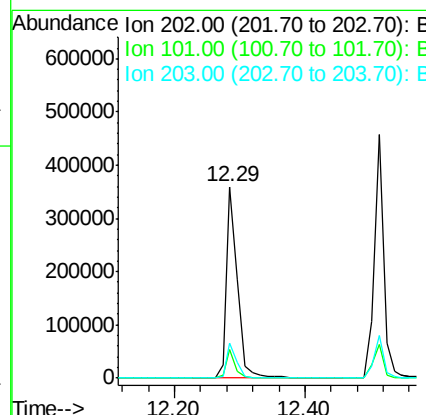
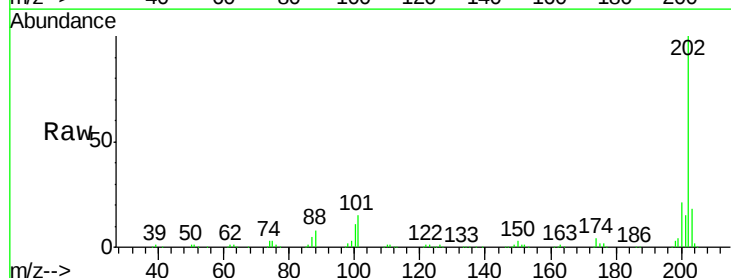
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

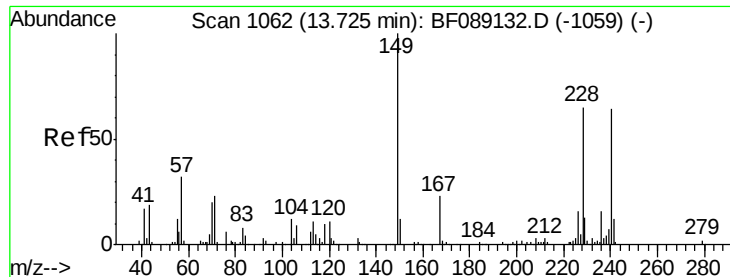
Tgt Ion:149 Resp: 544996
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.5 4.6 6.8#



#74
Fluoranthene
Concen: 41.24 ng
RT: 12.29 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:202 Resp: 427434
Ion Ratio Lower Upper
202 100
101 14.7 0.0 34.0
203 17.9 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

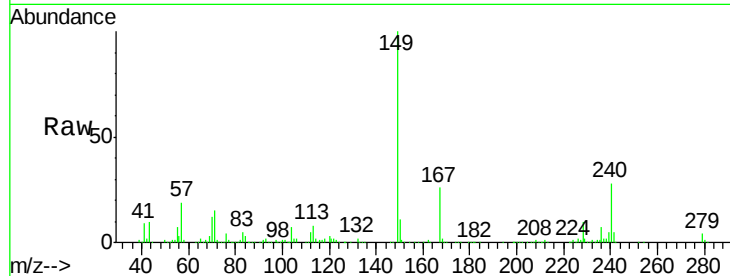
Tgt Ion:240 Resp: 113820

Ion Ratio Lower Upper

240 100

120 9.2 13.6 20.4#

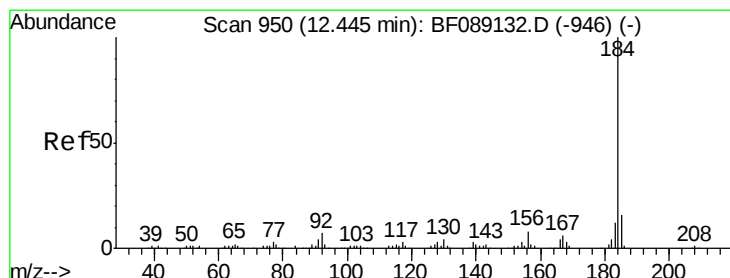
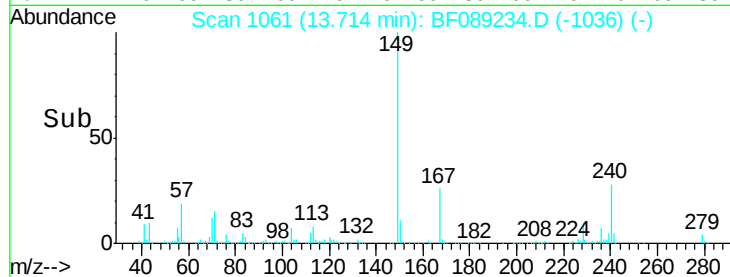
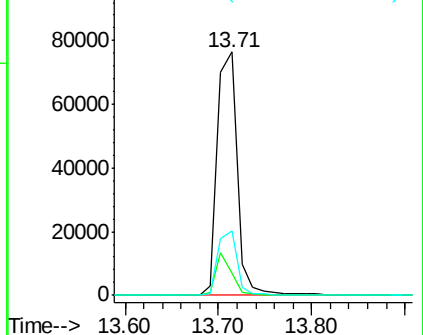
236 26.4 20.5 30.7



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: 30.17 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

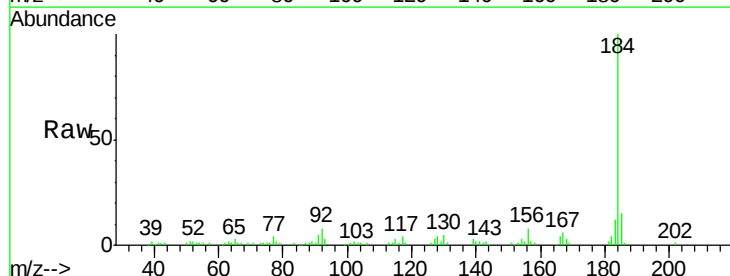
Tgt Ion:184 Resp: 118040

Ion Ratio Lower Upper

184 100

185 15.0 12.5 18.7

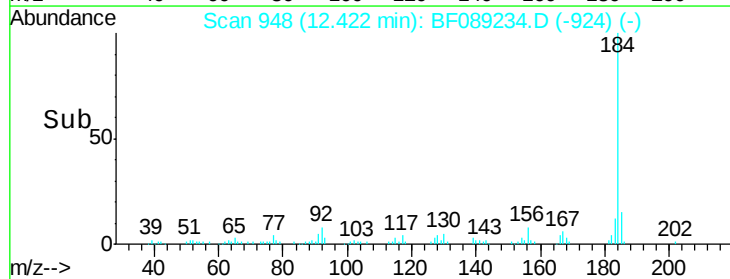
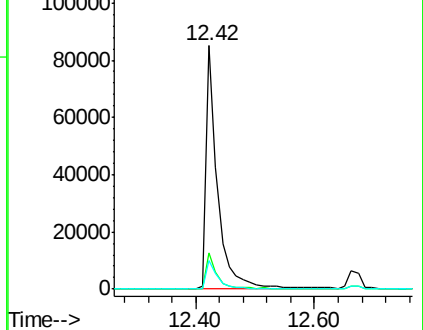
183 12.0 9.6 14.4

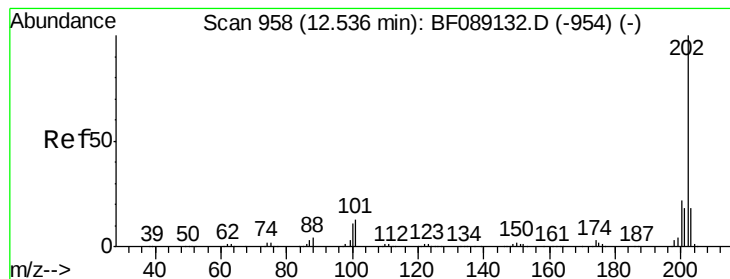


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 48.11 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

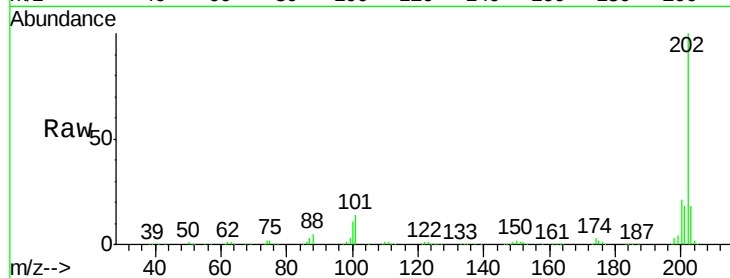
Tgt Ion:202 Resp: 452259

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

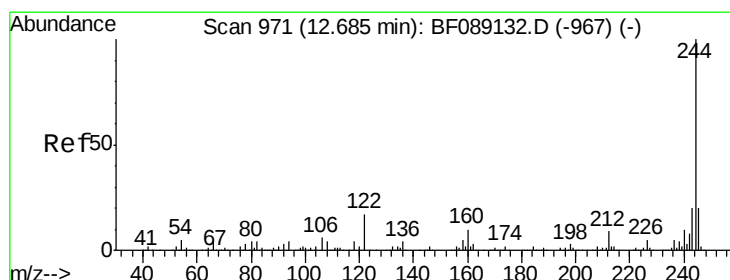
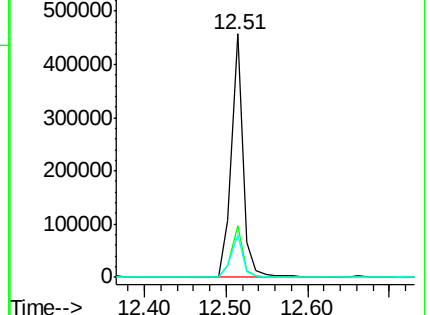
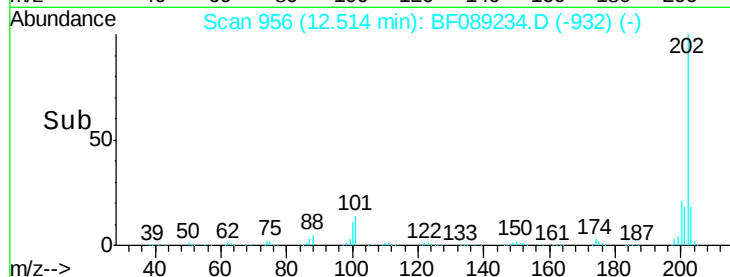
203 17.6 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 104.34 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

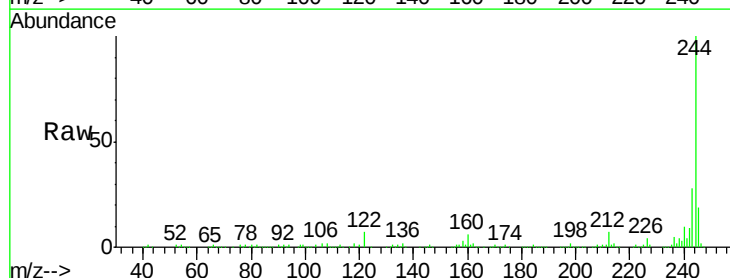
Tgt Ion:244 Resp: 547538

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

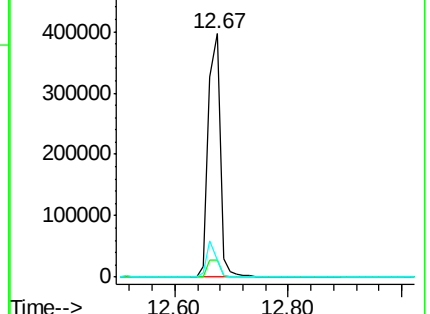
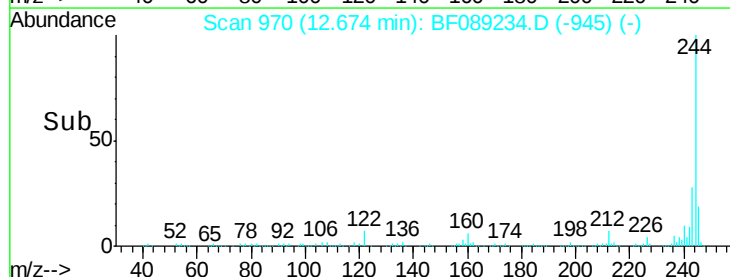
122 7.2 13.8 20.8

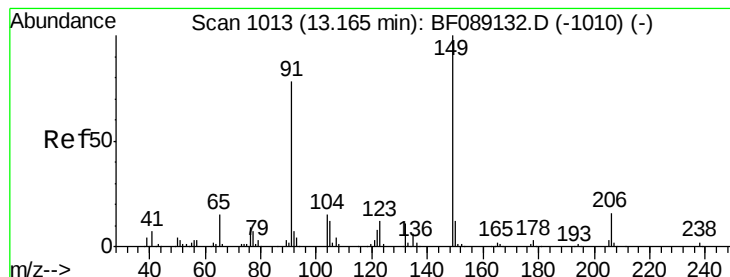


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 51.51 ng

RT: 13.14 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

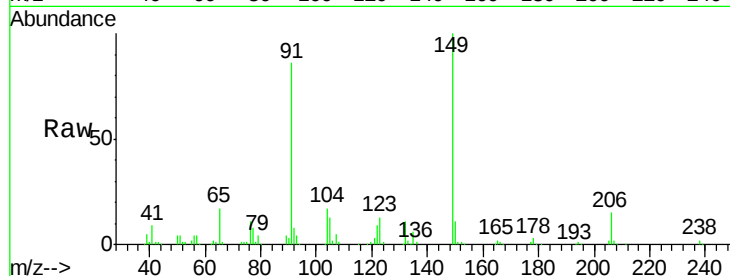
Tgt Ion:149 Resp: 204836

Ion Ratio Lower Upper

149 100

91 86.3 62.6 93.8

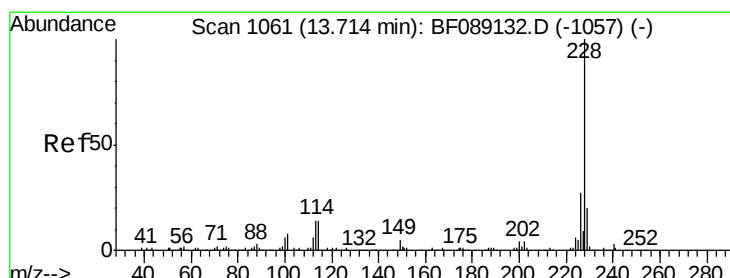
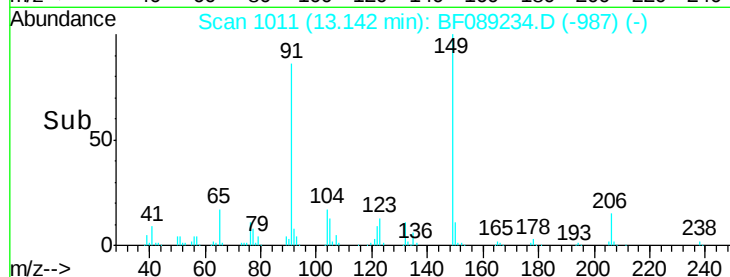
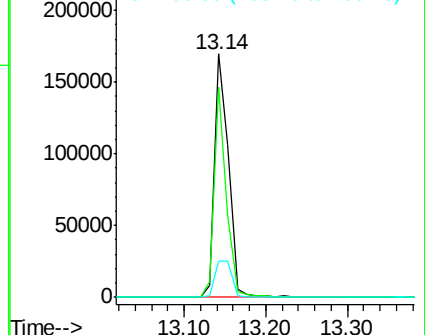
206 14.8 13.2 19.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.70 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

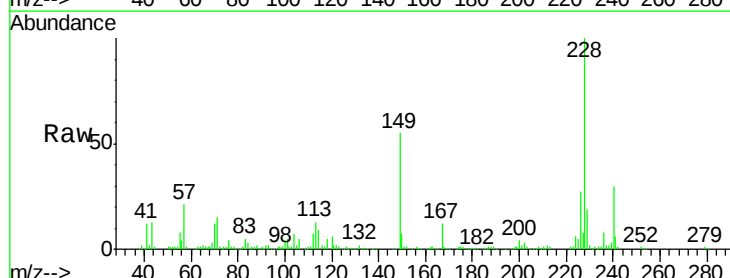
Tgt Ion:228 Resp: 331294

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

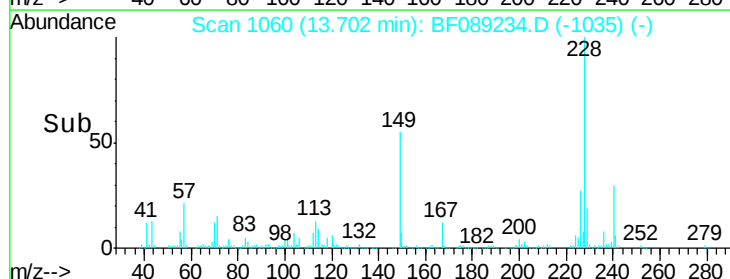
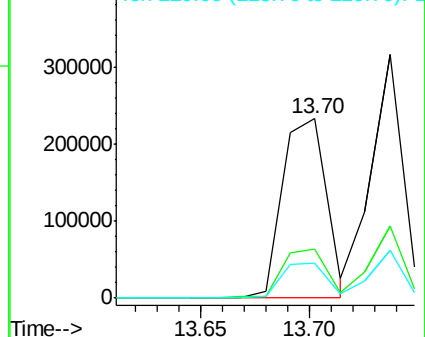
229 19.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

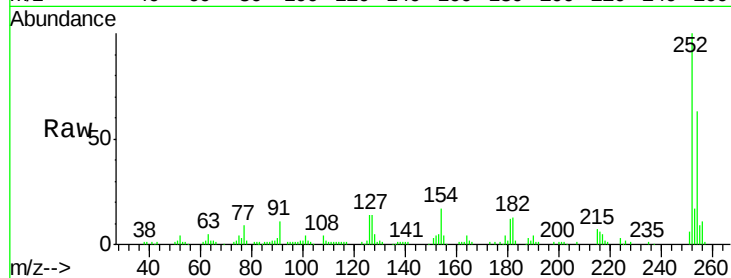




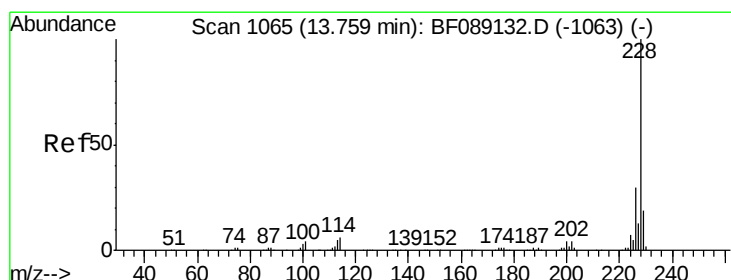
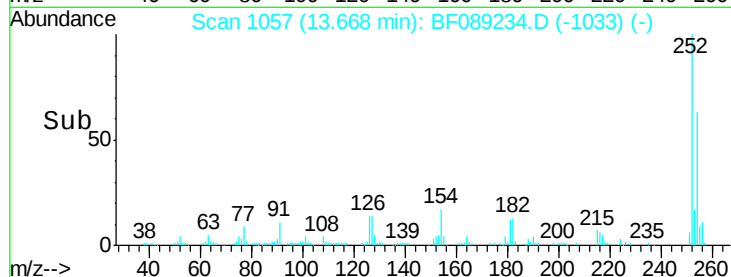
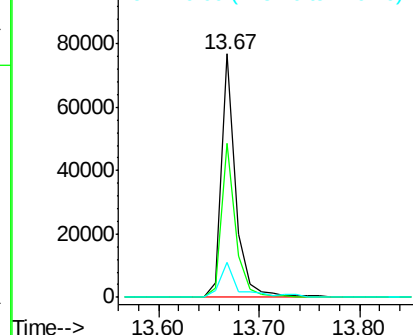
#81
 3,3'-Dichlorobenzidine
 Concen: 31.56 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

Tgt Ion: 252 Resp: 75894
 Ion Ratio Lower Upper
 252 100
 254 63.3 50.4 75.6
 126 14.2 10.2 15.2

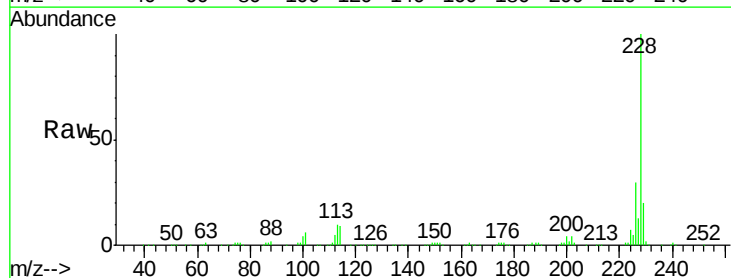


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

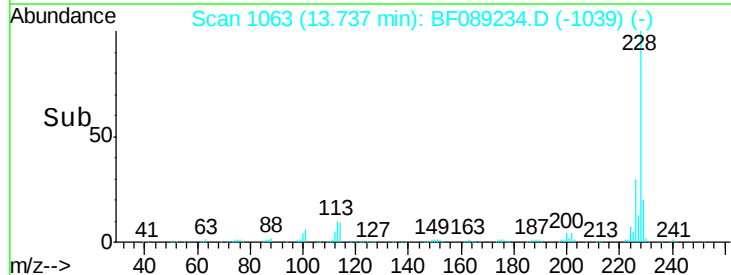
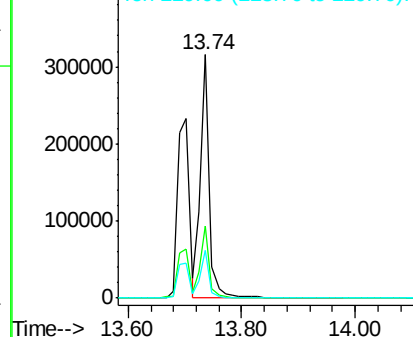


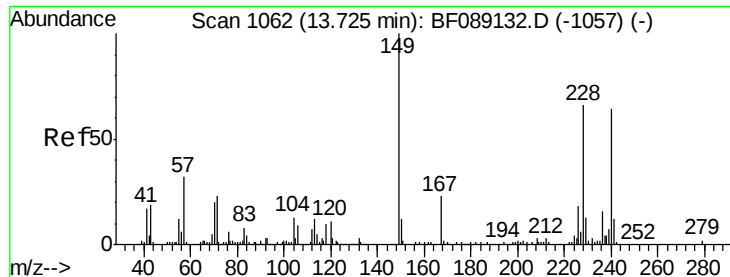
#82
 Chrysene
 Concen: 49.95 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion: 228 Resp: 345863
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.8 35.8
 229 19.8 15.4 23.0



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

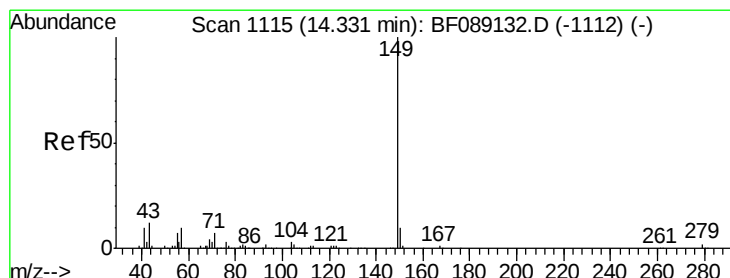
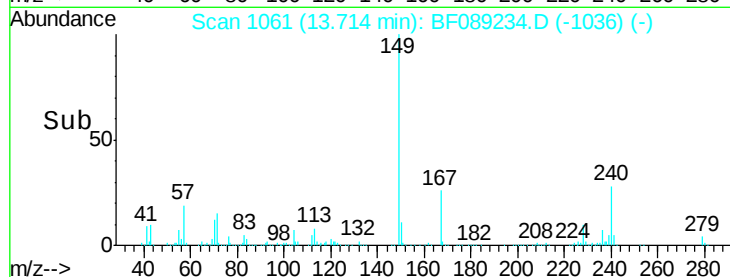
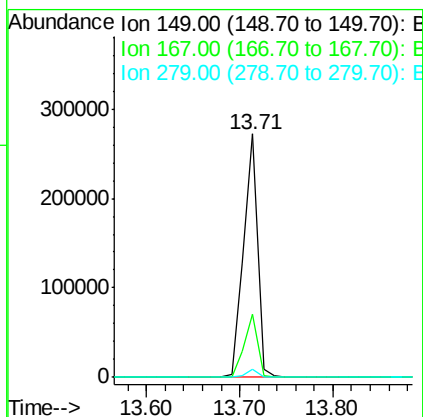
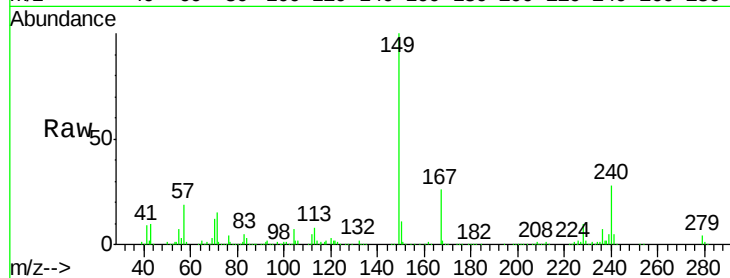




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.21 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

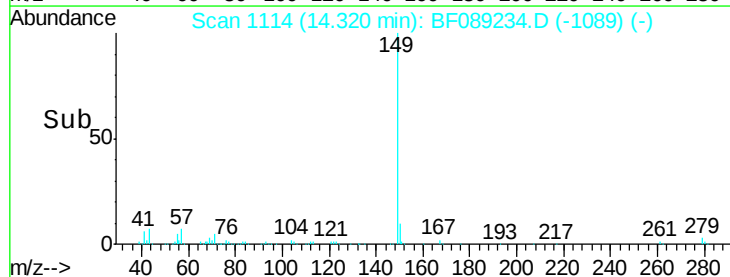
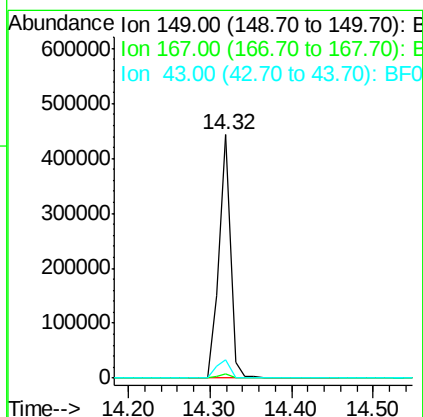
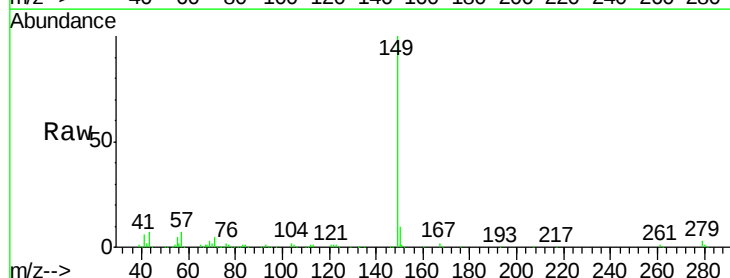
Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

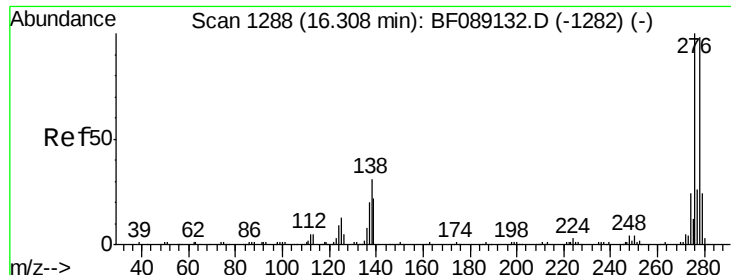
Tgt Ion:149 Resp: 285886
 Ion Ratio Lower Upper
 149 100
 167 26.2 18.6 28.0
 279 3.5 1.6 2.4#



#84
 Di-n-octyl phthalate
 Concen: 49.98 ng
 RT: 14.32 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Tgt Ion:149 Resp: 434918
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 9.2 7.3 10.9

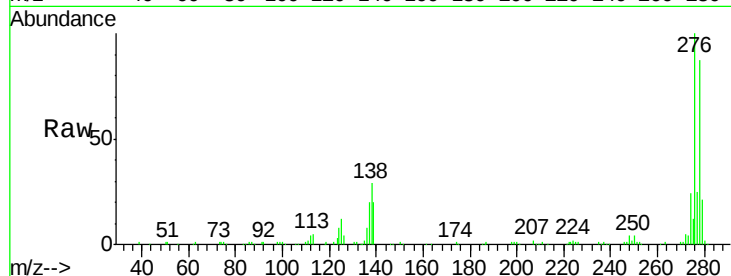




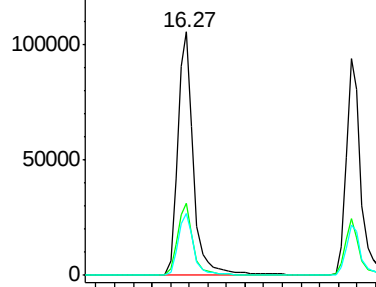
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.71 ng
 RT: 16.27 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 GW-05-5.0-16.0MSD

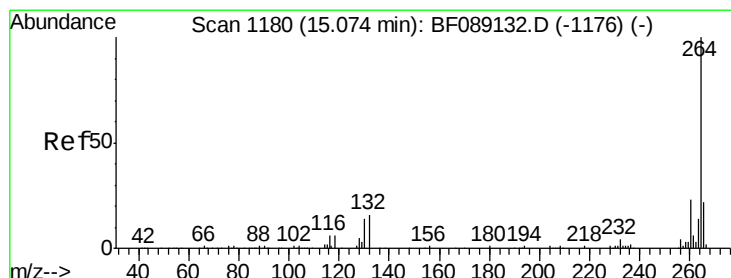
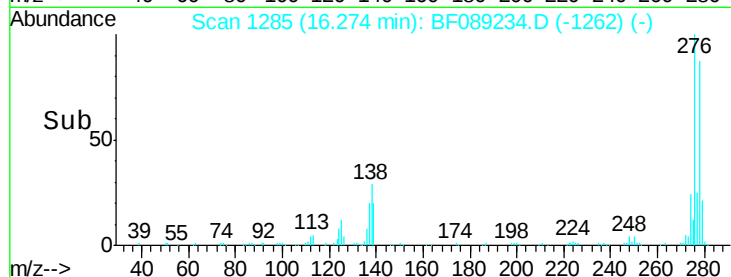
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	23.7	35.5
277	25.2	20.6	31.0



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

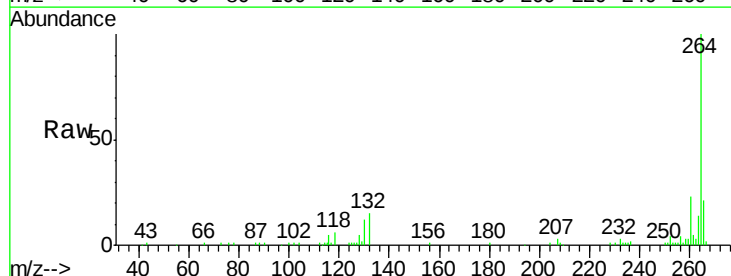


Time-->

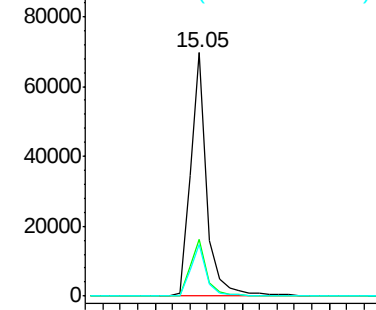


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF089234.D
 Acq: 23 Jul 2016 13:30

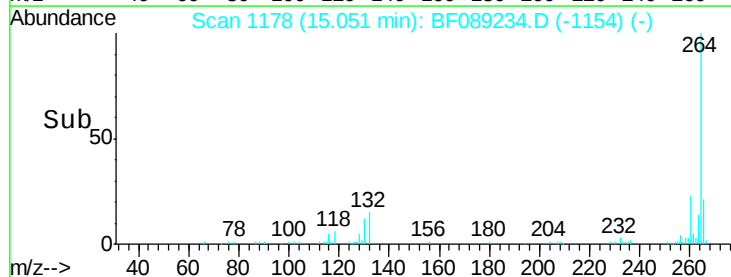
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.3	17.3	25.9

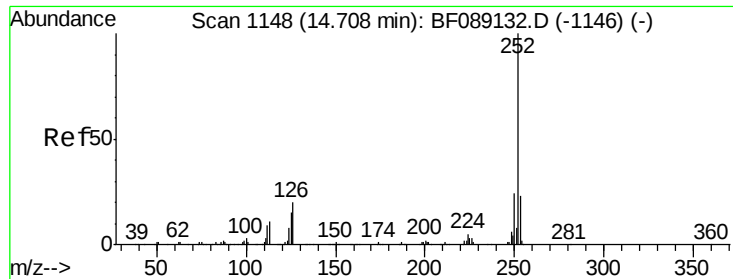


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->

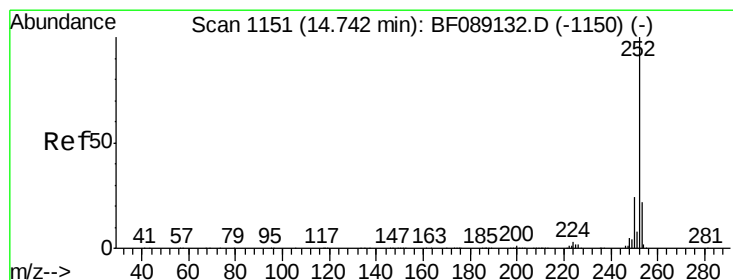
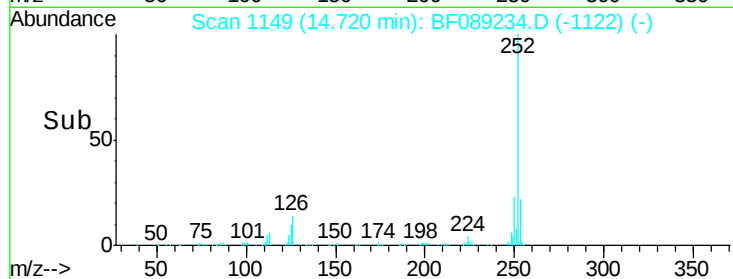
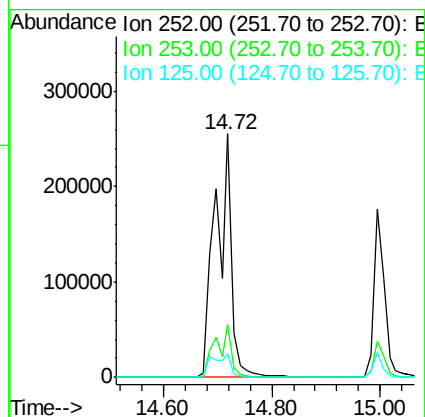
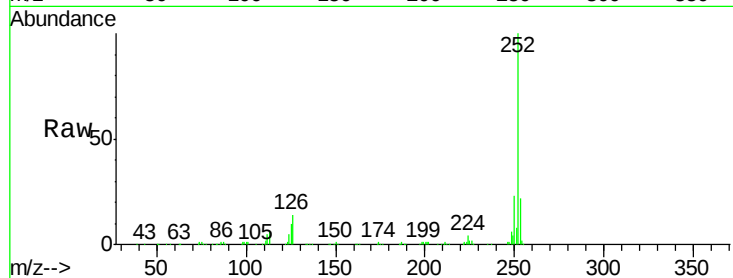




#87
Benzo(b)fluoranthene
Concen: 80.94 ng
RT: 14.72 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

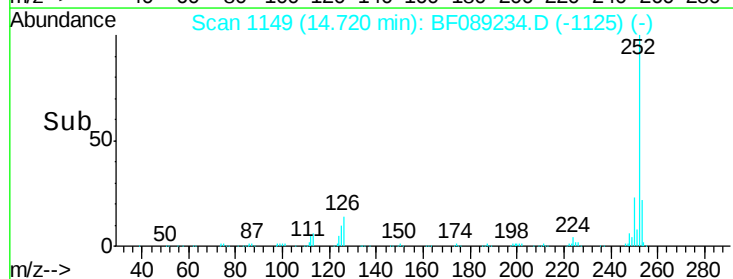
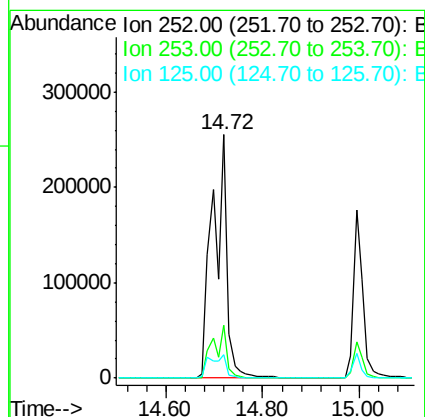
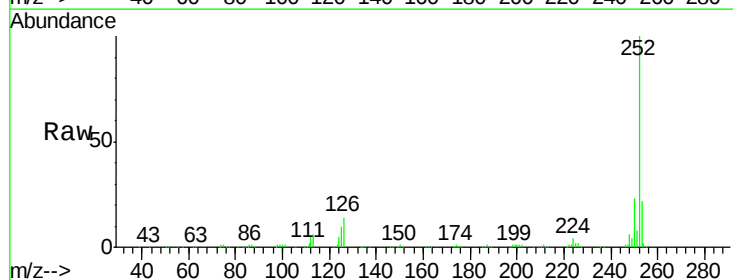
Instrument :
BNA_F
ClientSampleId :
GW-05-5.0-16.0MSD

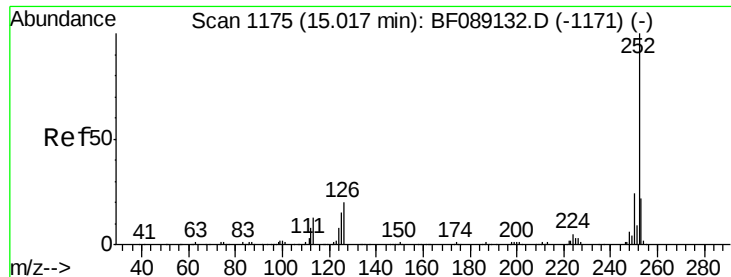
Tgt Ion:252 Resp: 532674
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 9.8 11.9 17.9#



#88
Benzo(k)fluoranthene
Concen: 113.30 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF089234.D
Acq: 23 Jul 2016 13:30

Tgt Ion:252 Resp: 533234
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 9.8 6.3 9.5#





#89

Benzo(a)pyrene

Concen: 46.84 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD

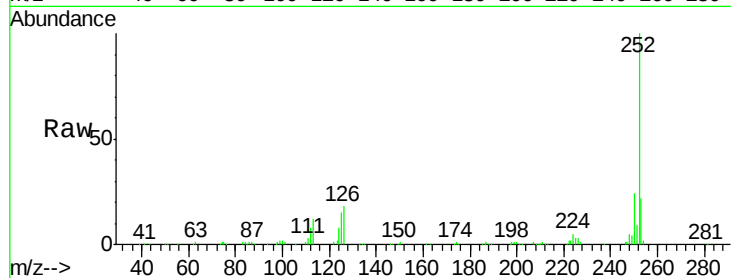
Tgt Ion:252 Resp: 239294

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

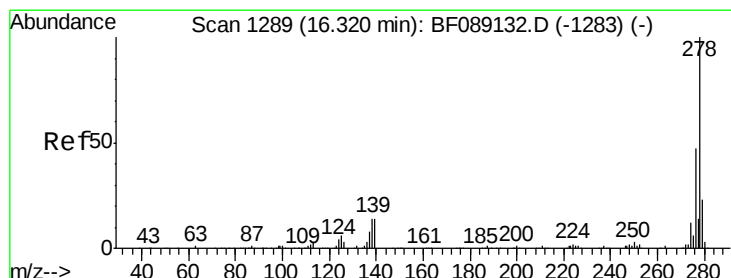
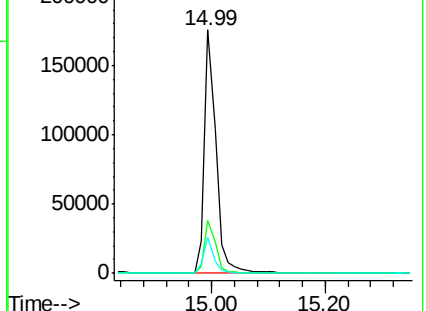
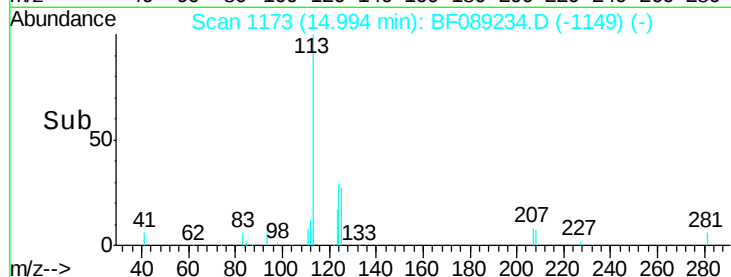
125 15.1 12.4 18.6



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: 51.71 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.03 min

Lab File: BF089234.D

Acq: 23 Jul 2016 13:30

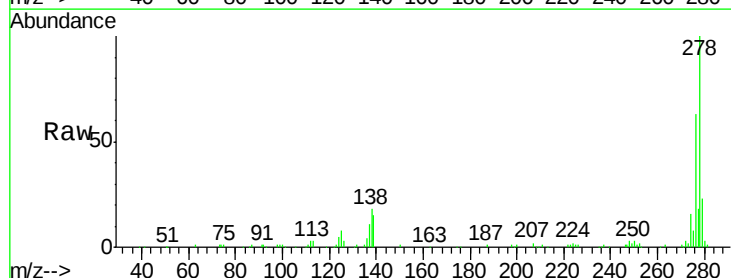
Tgt Ion:278 Resp: 208616

Ion Ratio Lower Upper

278 100

139 15.4 11.4 17.2

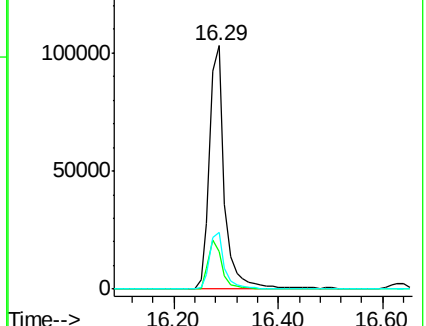
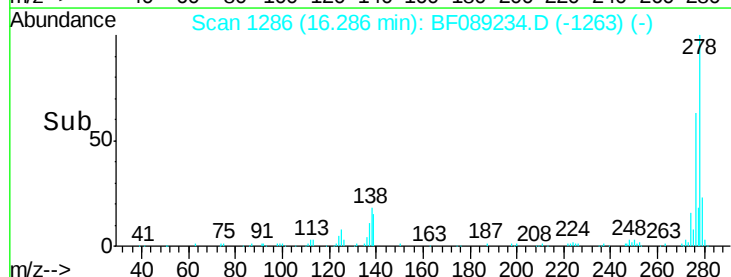
279 23.2 18.4 27.6

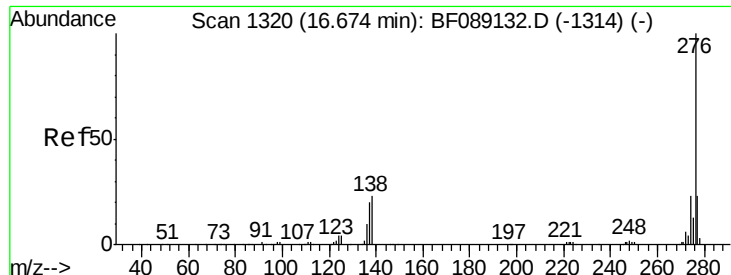


Abundance Ion 278.00 (277.70 to 278.70): E

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: 52.43 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.05 min

Lab File: BF089234.D

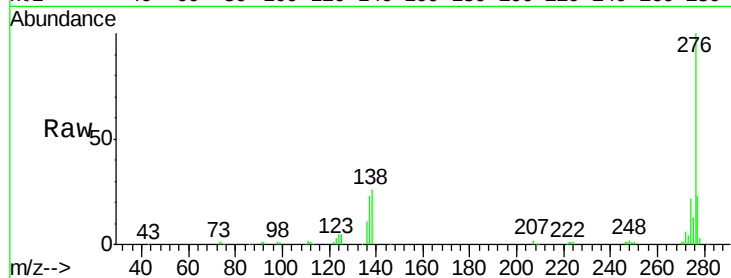
Acq: 23 Jul 2016 13:30

Instrument :

BNA_F

ClientSampleId :

GW-05-5.0-16.0MSD



Tgt Ion: 276 Resp: 213236

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 26.2 18.5 27.7

