

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097180.D
 Acq On : 29 Jul 2017 3:29
 Operator : SJ/JU
 Sample : I4456-15MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

Quant Time: Jul 29 04:50:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	91110	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	358551	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	128340	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	198975	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	167361	20.00	ng	-0.01
86) Perylene-d12	14.96	264	142637	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	636981	105.39	ng	0.00
7) Phenol-d6	6.16	99	750308	108.74	ng	-0.01
23) Nitrobenzene-d5	7.06	82	409888	67.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	96786	95.45	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	612610	81.01	ng	-0.02
78) Terphenyl-d14	12.57	244	454604	55.38	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.05	88	85113	33.75	ng	# 76
3) Pyridine	2.67	79	229902	29.77	ng	# 62
4) n-Nitrosodimethylamine	2.61	42	144428	33.76	ng	# 82
6) Aniline	6.15	93	256027	29.49	ng	# 83
8) 2-Chlorophenol	6.28	128	219829	34.02	ng	# 98
9) Benzaldehyde	6.03	77	162526	39.80	ng	# 96
10) Phenol	6.17	94	311496	38.06	ng	# 96
11) bis(2-Chloroethyl)ether	6.23	93	229597	35.47	ng	# 91
12) 1,3-Dichlorobenzene	6.43	146	232010	33.31	ng	# 99
13) 1,4-Dichlorobenzene	6.50	146	232890	33.74	ng	# 95
14) 1,2-Dichlorobenzene	6.66	146	209093	34.70	ng	# 97
15) Benzyl Alcohol	6.65	79	159321	36.47	ng	# 99
16) 2,2'-oxybis(1-Chloropropan	6.78	45	428959	33.04	ng	# 80
17) 2-Methylphenol	6.77	107	159741	32.03	ng	# 89
18) Hexachloroethane	7.00	117	66045	26.16	ng	# 85
19) n-Nitroso-di-n-propylamine	6.92	70	145519	32.04	ng	# 81
20) 3+4-Methylphenols	6.93	107	218222	33.50	ng	# 63
22) Acetophenone	6.90	105	288755	33.54	ng	# 98
24) Nitrobenzene	7.07	77	203422	31.96	ng	# 96
25) Isophorone	7.32	82	369284	30.85	ng	# 96
26) 2-Nitrophenol	7.39	139	94634	27.48	ng	# 84
27) 2,4-Dimethylphenol	7.45	122	175349	30.87	ng	# 97
28) bis(2-Chloroethoxy)methane	7.53	93	256849	32.88	ng	# 98
29) 2,4-Dichlorophenol	7.65	162	175663	35.89	ng	# 96
30) 1,2,4-Trichlorobenzene	7.72	180	160167	34.34	ng	# 96
31) Naphthalene	7.79	128	573375	33.92	ng	# 100
32) Benzoic acid	7.55	122	9825	2.32	ng	# 91
33) 4-Chloroaniline	7.85	127	184906	26.89	ng	# 98
34) Hexachlorobutadiene	7.92	225	82226	33.25	ng	# 97
35) Caprolactam	8.21	113	51052	32.53	ng	# 49
36) 4-Chloro-3-methylphenol	8.35	107	158708	29.72	ng	# 86
37) 2-Methylnaphthalene	8.49	142	377047	35.23	ng	# 98
39) 1,2,4,5-Tetrachlorobenzene	8.65	216	126625	36.98	ng	# 99
40) Hexachlorocyclopentadiene	8.64	237	4230	9.83	ng	# 96

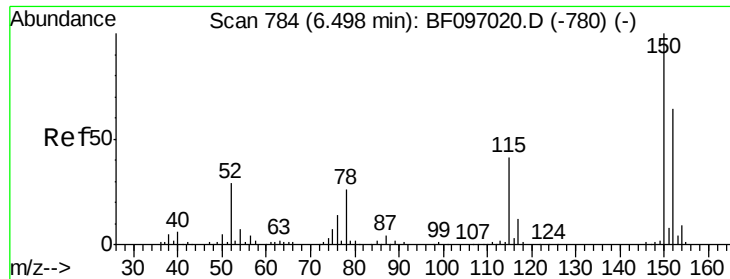
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.77	196	87748	35.36	nq	98
43) 2,4,5-Trichlorophenol	8.82	196	88429	35.60	nq	94
45) 1,1'-Biphenyl	8.95	154	418481	38.18	nq	98
46) 2-Chloronaphthalene	8.97	162	307420	38.11	nq	93
47) 2-Nitroaniline	9.07	65	114541	39.13	nq	95
48) Acenaphthylene	9.37	152	439606	35.50	nq	100
49) Dimethylphthalate	9.25	163	484577	49.72	nq	98
50) 2,6-Dinitrotoluene	9.32	165	65099	31.49	nq	# 84
51) Acenaphthene	9.55	154	245774	33.70	nq	98
52) 3-Nitroaniline	9.48	138	88091	34.33	nq	96
54) Dibenzofuran	9.72	168	368380	37.92	nq	99
55) 4-Nitrophenol	9.67	139	90259	59.16	nq	# 63
56) 2,4-Dinitrotoluene	9.72	165	71297	30.00	nq	# 56
57) Fluorene	10.06	166	277207	37.97	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.85	232	60390	35.21	nq	# 96
59) Diethylphthalate	9.95	149	322730	36.09	nq	99
60) 4-Chlorophenyl-phenylether	10.06	204	120551	39.98	nq	97
61) 4-Nitroaniline	10.09	138	91893	37.69	nq	93
62) Azobenzene	10.22	77	280213	33.78	nq	92
64) 4,6-Dinitro-2-methylphenol	10.14	198	3758	3.04	nq	92
65) n-Nitrosodiphenylamine	10.17	169	244950	35.38	nq	98
66) 4-Bromophenyl-phenylether	10.55	248	69029	34.76	nq	93
67) Hexachlorobenzene	10.61	284	69924	31.40	nq	# 85
68) Atrazine	10.71	200	64046	32.26	nq	96
69) Pentachlorophenol	10.81	266	57203	62.09	nq	96
70) Phenanthrene	11.02	178	404977	37.99	nq	99
71) Anthracene	11.06	178	390985	35.81	nq	98
72) Carbazole	11.23	167	384825	35.83	nq	97
73) Di-n-butylphthalate	11.57	149	464233	34.97	nq	98
74) Fluoranthene	12.20	202	473532	45.34	nq	98
76) Benzidine	12.33	184	301328	48.52	nq	# 92
77) Pyrene	12.42	202	518005	37.81	nq	99
79) Butylbenzylphthalate	13.05	149	203803	29.24	nq	# 78
80) Benzo(a)anthracene	13.61	228	395583	36.53	nq	98
81) 3,3'-Dichlorobenzidine	13.57	252	129289	31.66	nq	# 97
82) Chrysene	13.64	228	385349	36.44	nq	100
83) Bis(2-ethylhexyl)phthalate	13.62	149	277673	30.51	nq	100
84) Di-n-octyl phthalate	14.23	149	494948	29.64	nq	# 92
85) Indeno(1,2,3-cd)pyrene	16.19	276	229205	25.28	nq	99
87) Benzo(b)fluoranthene	14.61	252	355634	41.48	nq	98
88) Benzo(k)fluoranthene	14.63	252	246852	30.21	nq	# 96
89) Benzo(a)pyrene	14.92	252	287203	36.60	nq	99
90) Dibenzo(a,h)anthracene	16.20	278	176090	27.36	nq	97
91) Benzo(g,h,i)perylene	16.55	276	187968	27.85	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF097180.D

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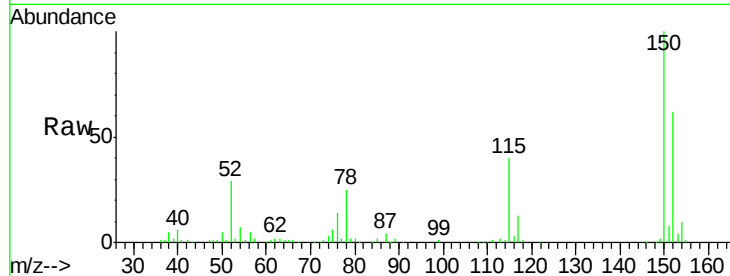
Tot Ion:152 Resp: 91110

Ion Ratio Lower Upper

152 100

150 160.6 126.2 189.2

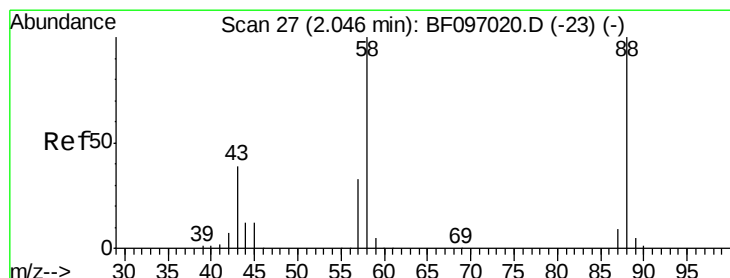
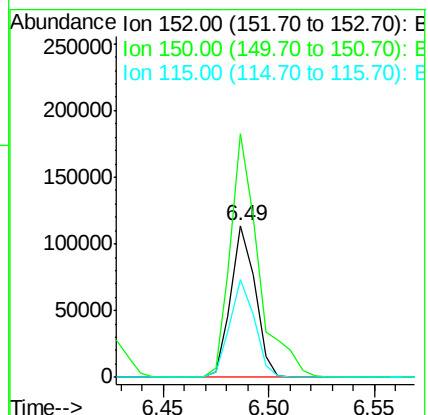
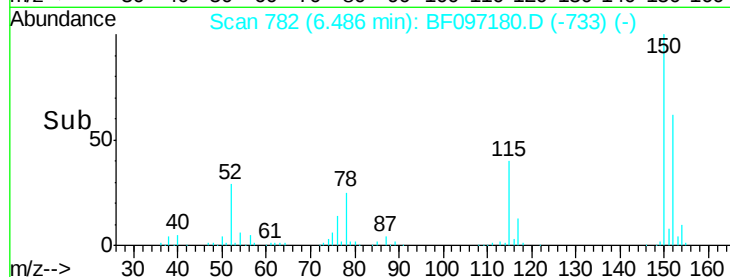
115 64.6 52.2 78.2



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: 33.75 ng

RT: 2.05 min Scan# 27

Delta R.T. -0.00 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

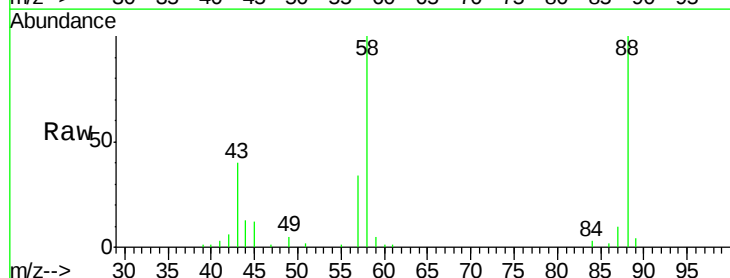
Tgt Ion: 88 Resp: 85113

Ion Ratio Lower Upper

88 100

58 98.6 61.4 92.0#

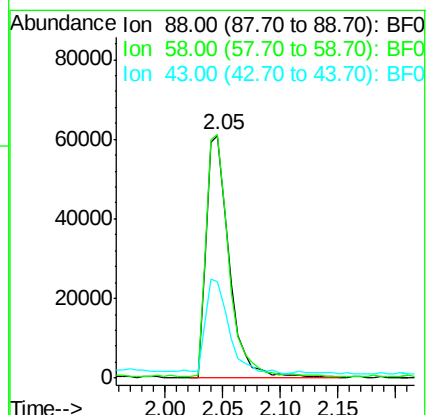
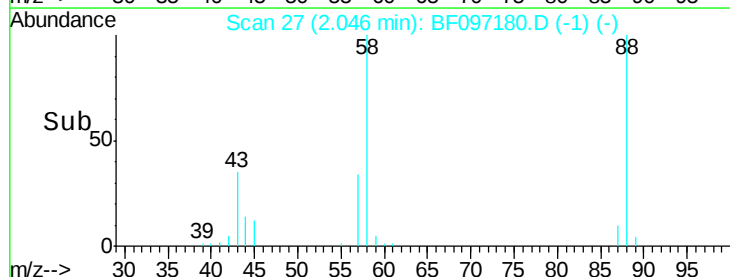
43 40.3 23.4 35.0#

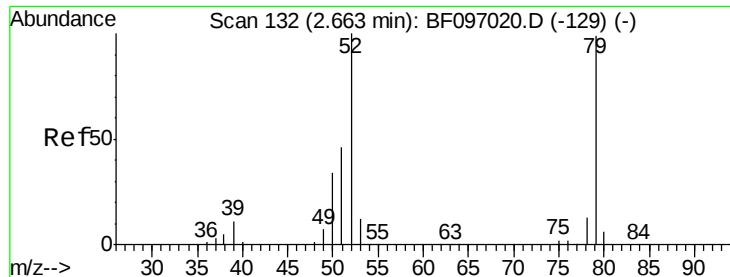


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

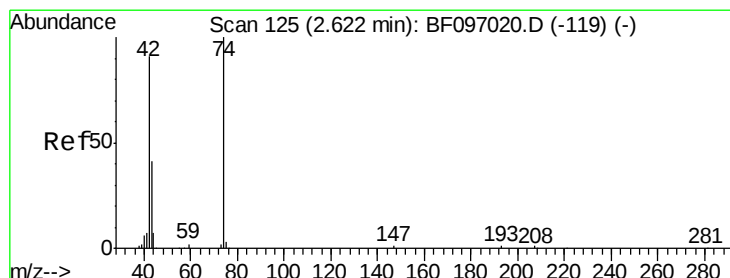
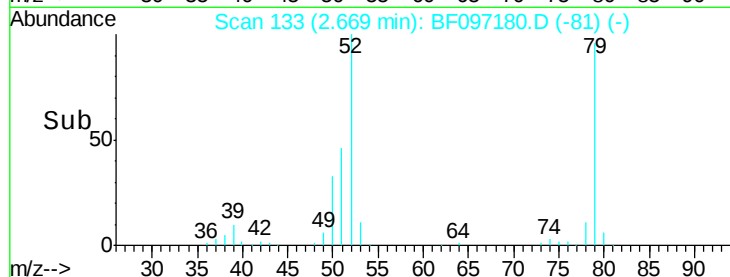
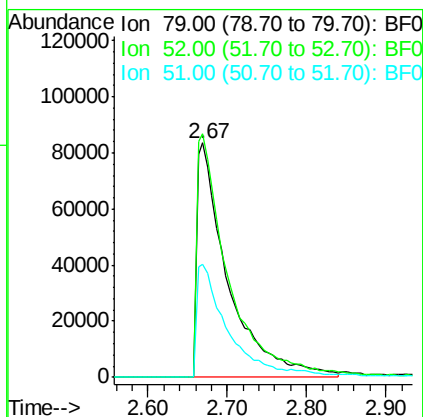
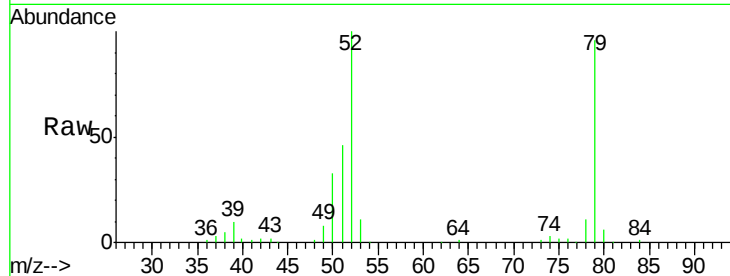




#3
 Pvridine
 Concen: 29.77 ng
 RT: 2.67 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

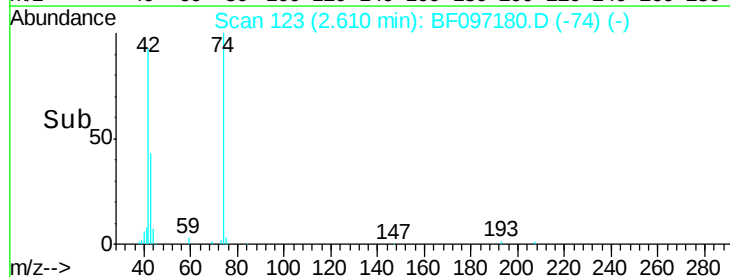
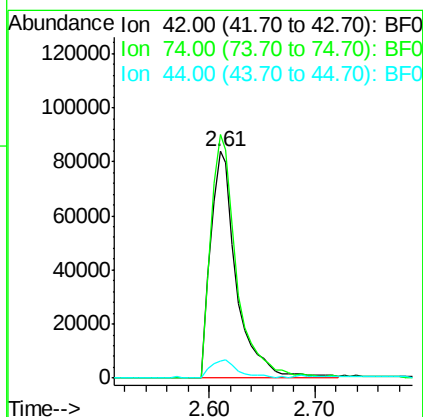
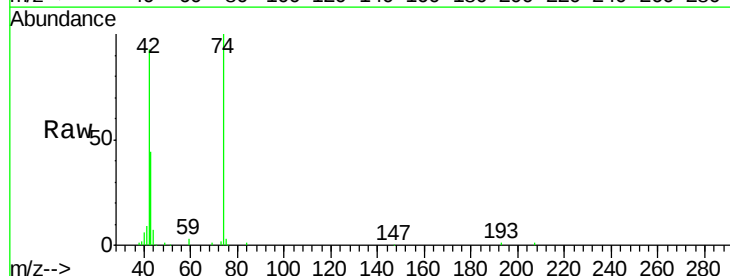
Instrument :
 BNA_F
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 TP-18D24MSD

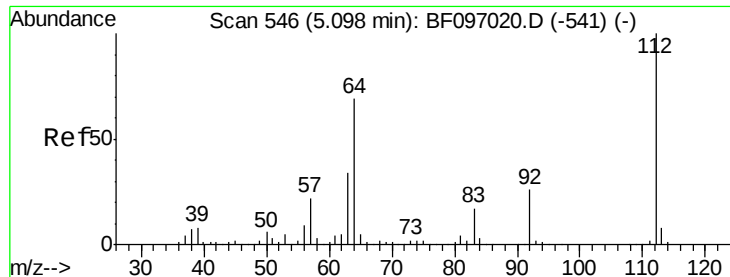
Tot Ion: 79 Resp: 229902
 Ion Ratio Lower Upper
 79 100
 52 103.9 54.8 82.2#
 51 48.2 27.0 40.4#



#4
 n-Nitrosodimethylamine
 Concen: 33.76 ng
 RT: 2.61 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion: 42 Resp: 144428
 Ion Ratio Lower Upper
 42 100
 74 107.3 103.9 155.9
 44 7.7 5.7 8.5





#5

2-Fluorophenol

Concen: 105.39 ng

RT: 5.09 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

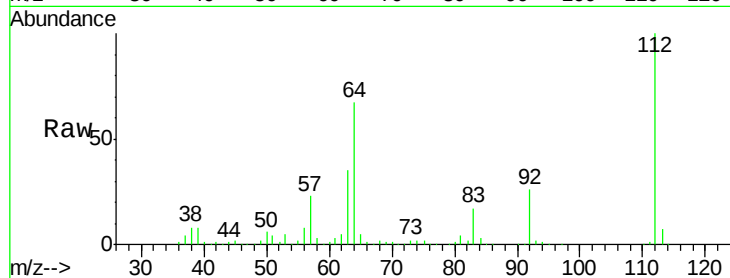
Tot Ion:112 Resp: 636981

Ion Ratio Lower Upper

112 100

64 66.7 46.0 69.0

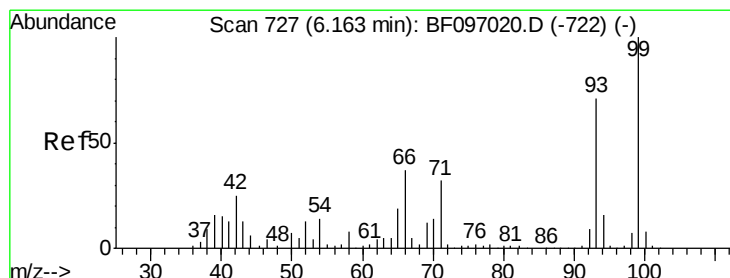
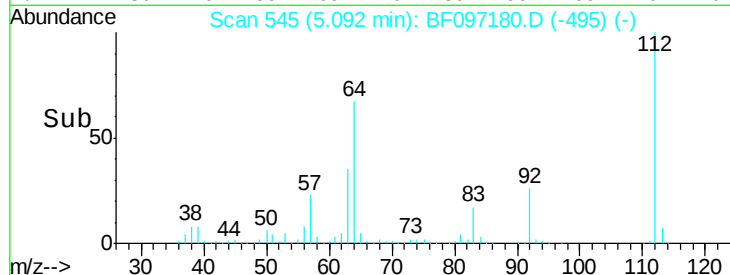
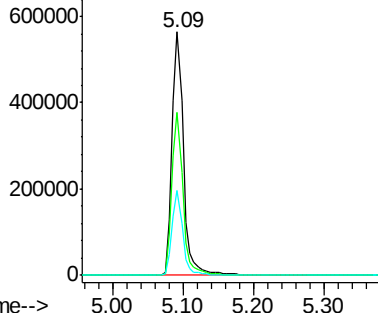
63 34.6 23.4 35.0



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: 29.49 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

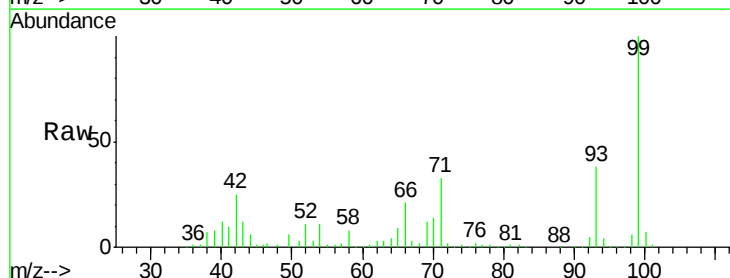
Tgt Ion: 93 Resp: 256027

Ion Ratio Lower Upper

93 100

66 54.4 32.9 49.3#

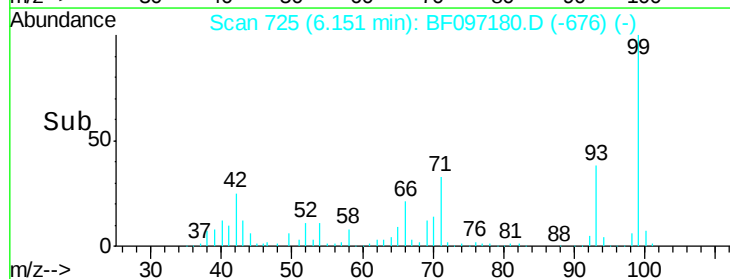
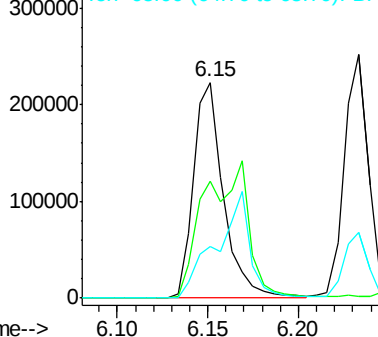
65 24.0 16.0 24.0#

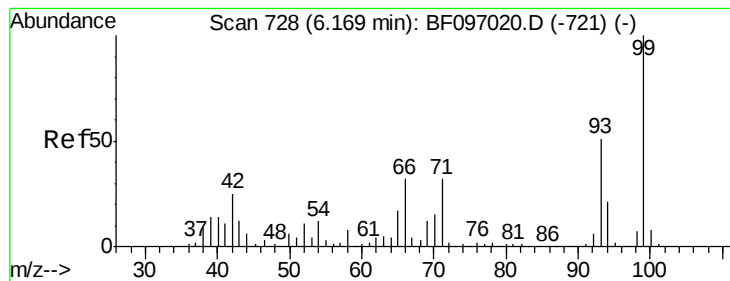


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 108.74 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097180.D

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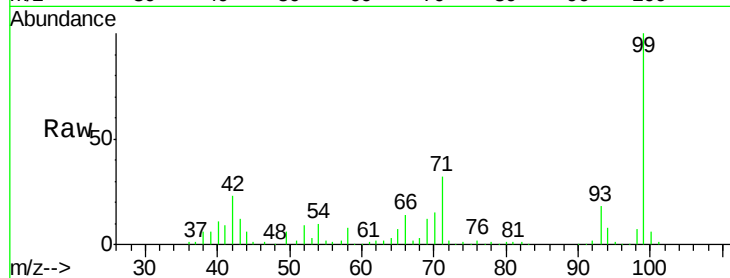
Tot Ion: 99 Resp: 750308

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

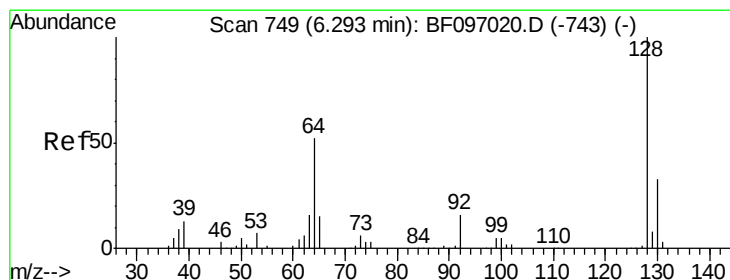
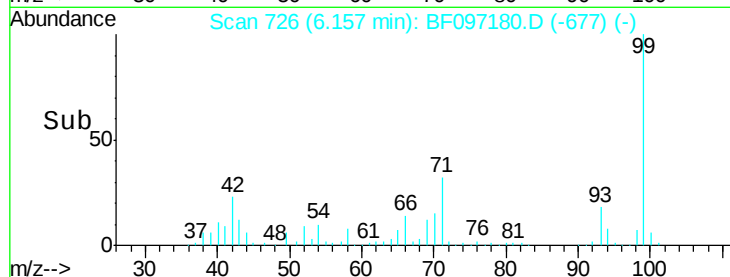
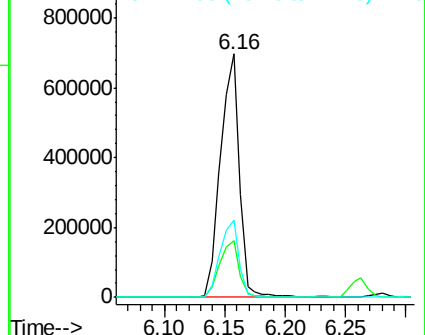
71 31.8 24.5 36.7



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: 34.02 ng

RT: 6.28 min Scan# 747

Delta R.T. -0.01 min

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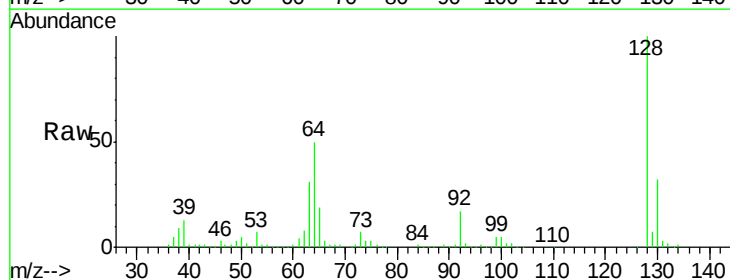
Tgt Ion: 128 Resp: 219829

Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

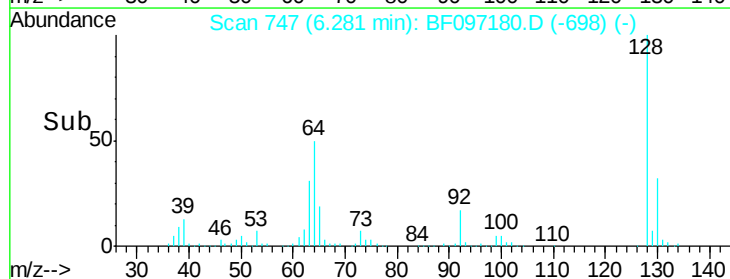
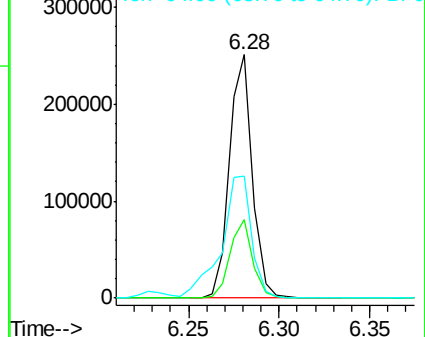
64 50.3 28.4 68.4

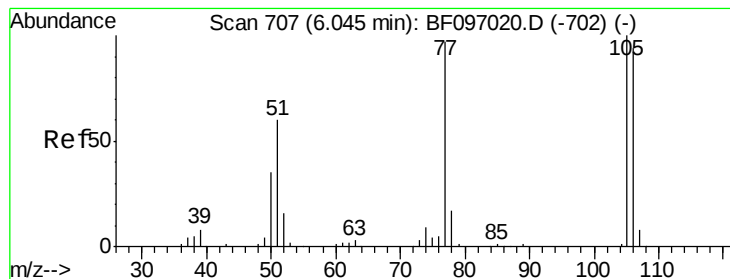


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 39.80 ng

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

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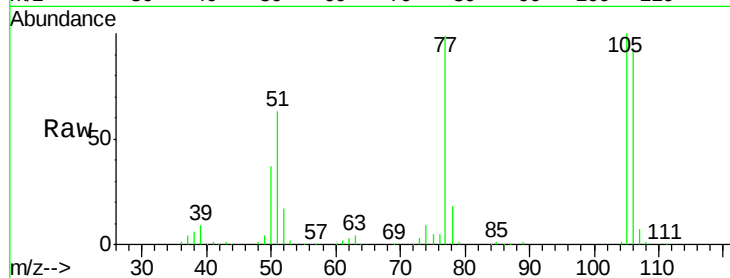
Tot Ion: 77 Resp: 162526

Ion Ratio Lower Upper

77 100

105 101.1 83.8 123.8

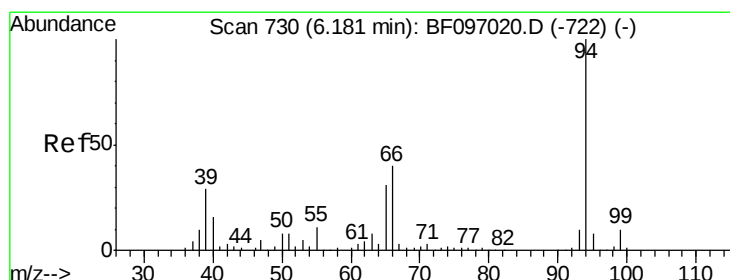
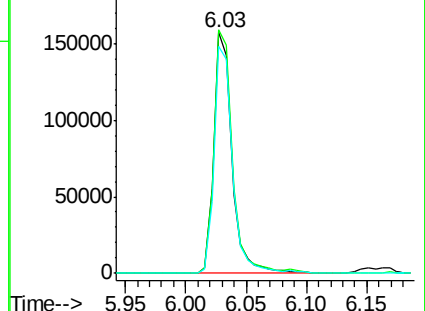
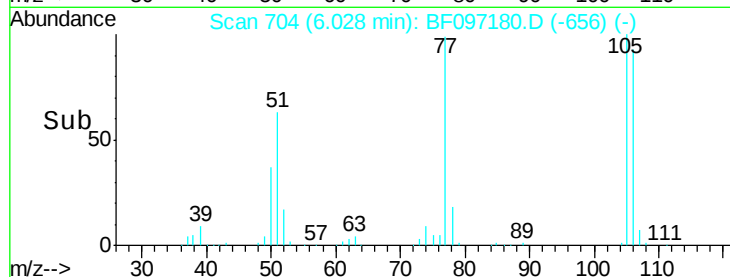
106 94.3 79.1 119.1



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: 38.06 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

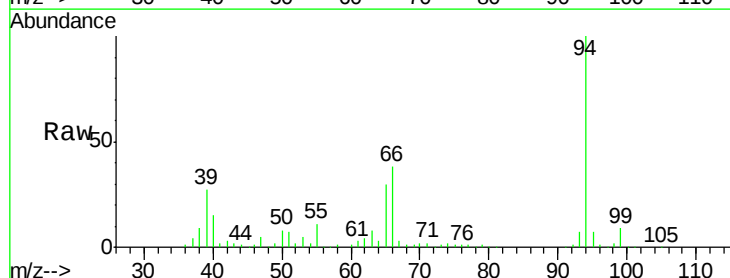
Tgt Ion: 94 Resp: 311496

Ion Ratio Lower Upper

94 100

65 29.7 9.9 49.9

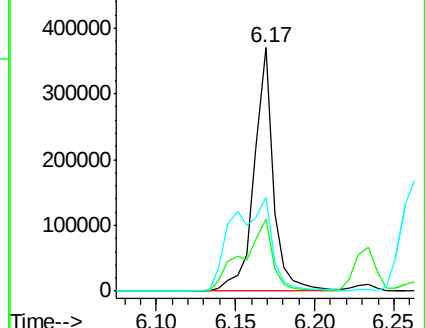
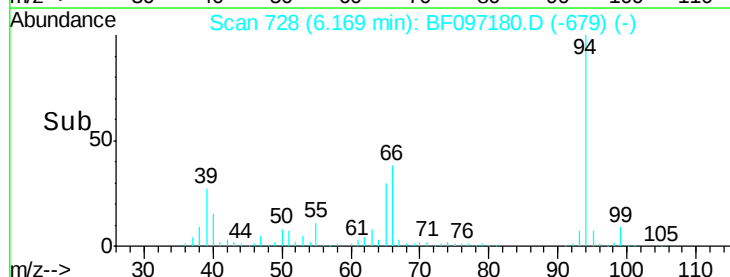
66 38.4 23.1 63.1

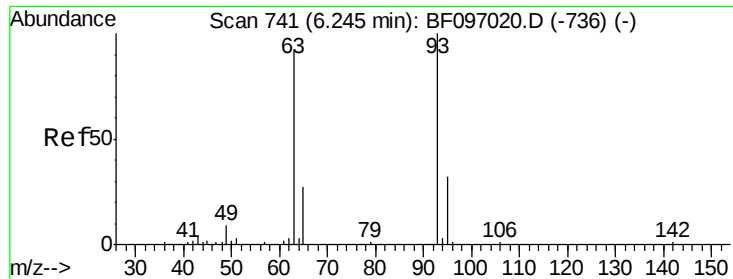


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 35.47 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

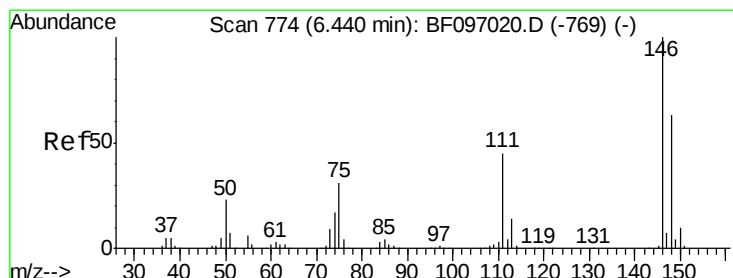
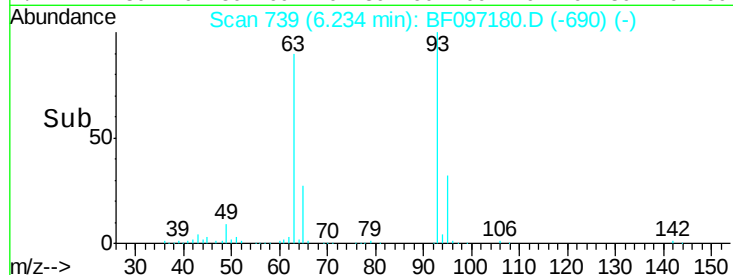
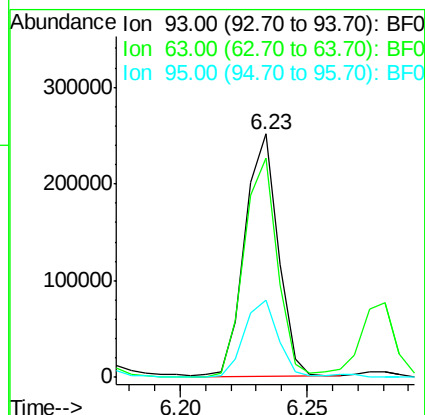
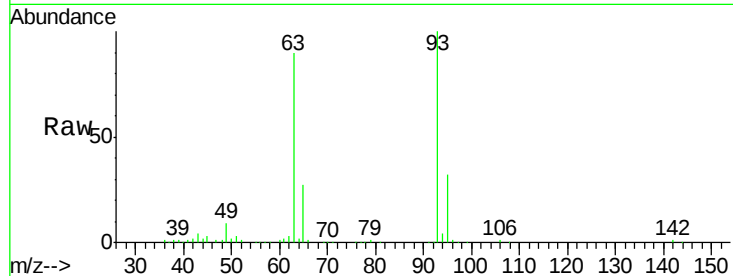
Tot Ion: 93 Resp: 229597

Ion Ratio Lower Upper

93 100

63 89.9 59.2 99.2

95 31.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 33.31 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

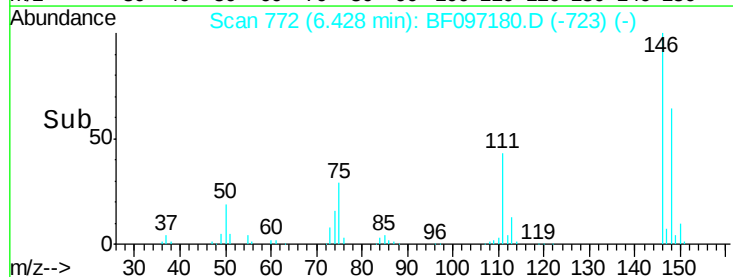
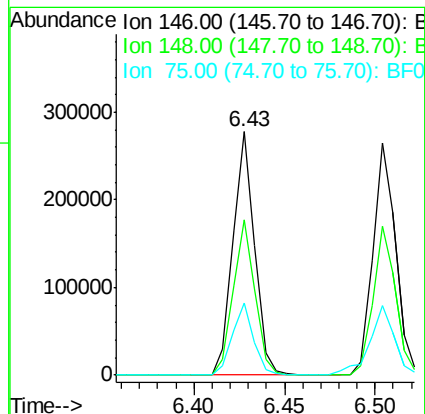
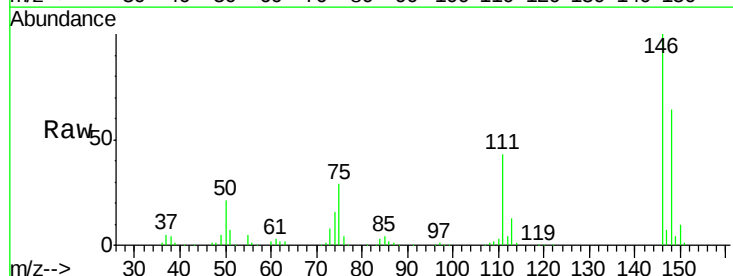
Tgt Ion: 146 Resp: 232010

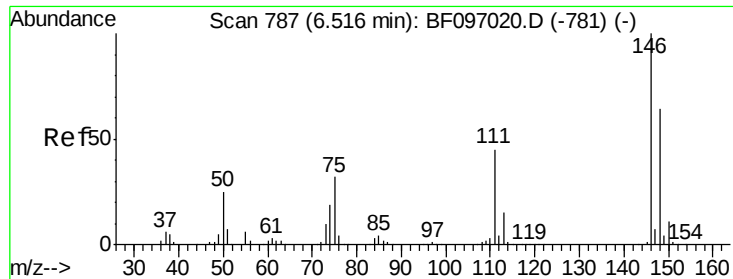
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.6

75 29.5 23.1 34.7

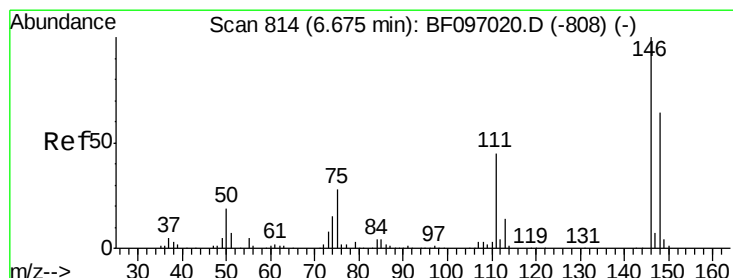
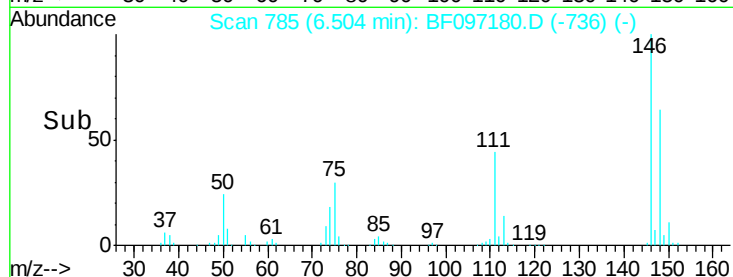
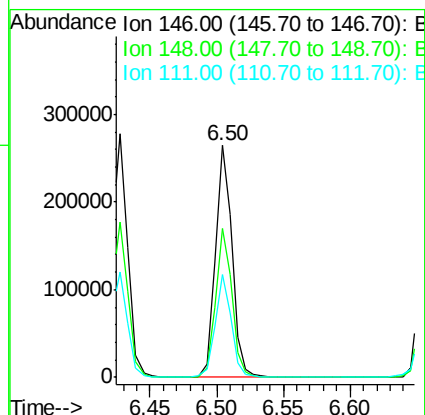
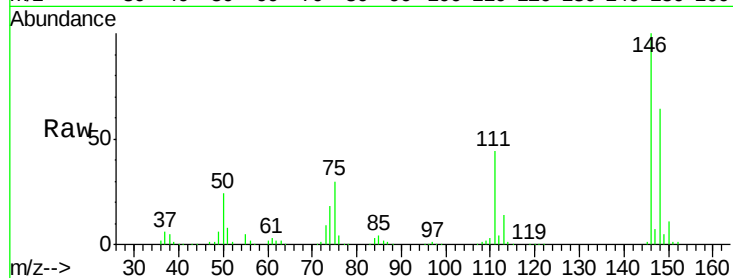




#13
 1,4-Dichlorobenzene
 Concen: 33.74 ng
 RT: 6.50 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

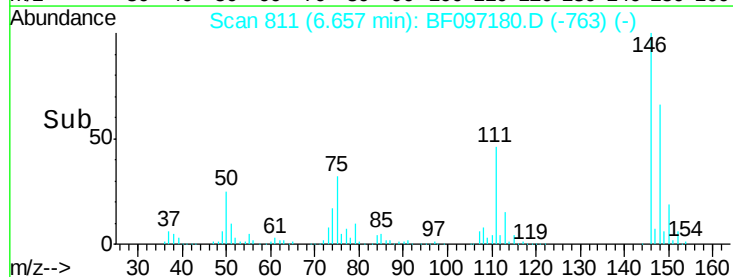
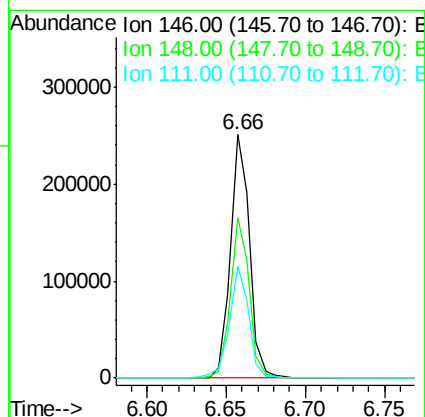
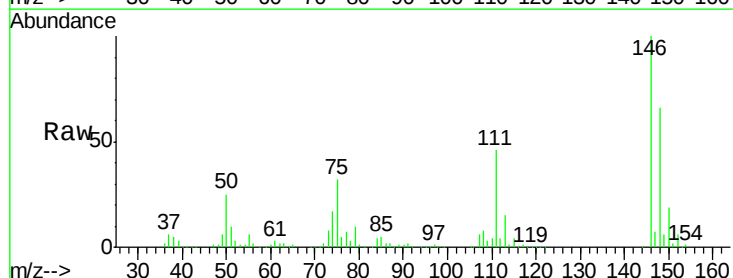
Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

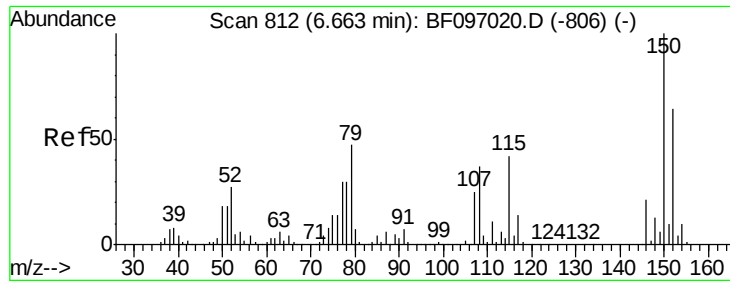
Tot Ion:146 Resp: 232890
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.2 78.2
 111 44.3 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 34.70 ng
 RT: 6.66 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion:146 Resp: 209093
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.4 75.6
 111 46.2 38.2 57.4

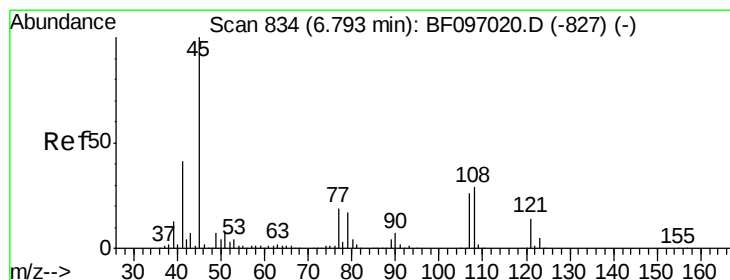
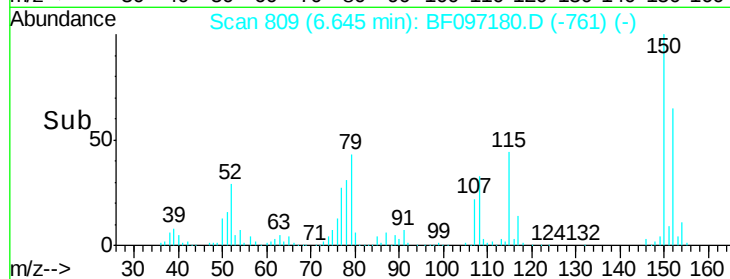
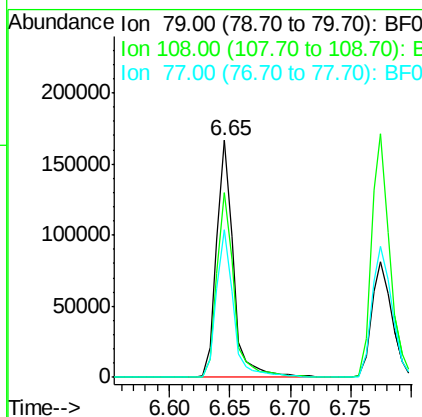
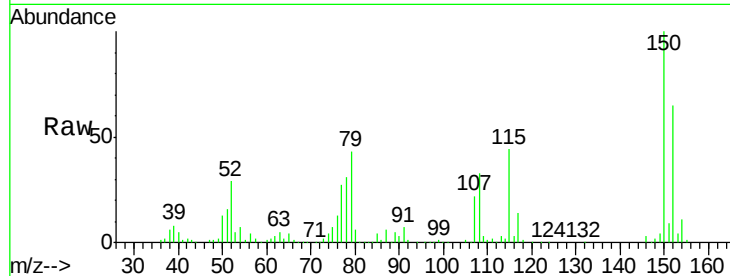




#15
Benzyl Alcohol
Concen: 36.47 ng
RT: 6.65 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

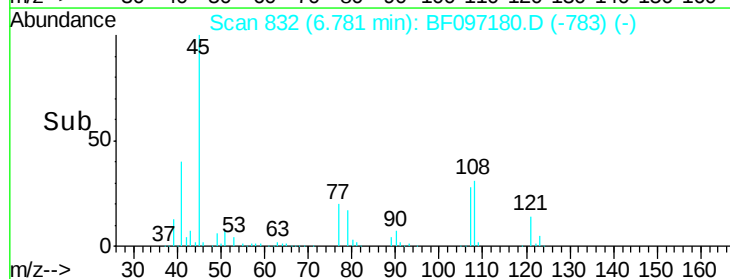
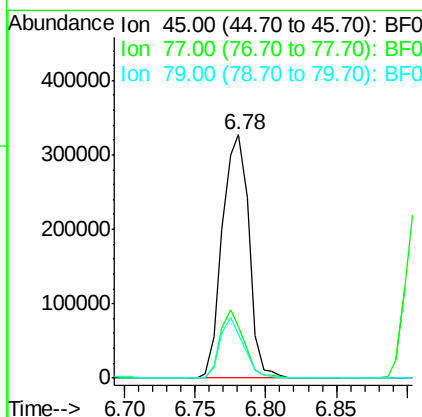
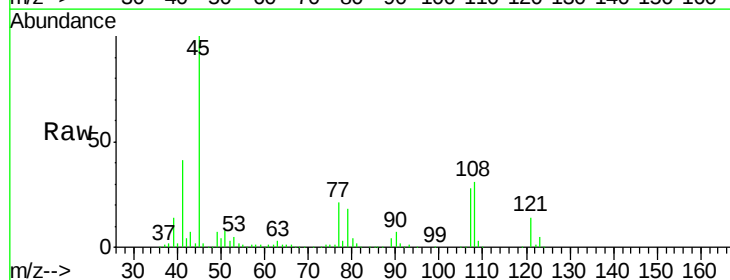
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

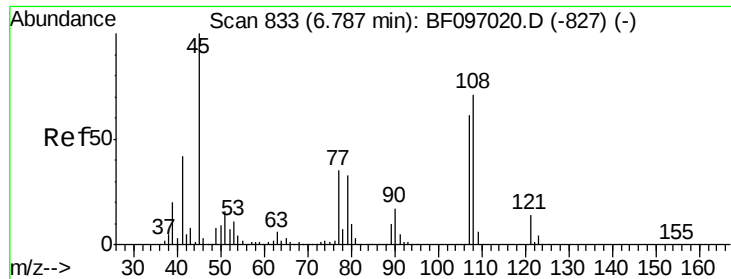
Tot Ion: 79 Resp: 159321
Ion Ratio Lower Upper
79 100
108 77.9 63.4 95.0
77 62.5 49.2 73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 33.04 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion: 45 Resp: 428959
Ion Ratio Lower Upper
45 100
77 20.9 0.0 33.2
79 18.1 0.0 30.0





#17

2-Methylphenol

Concen: 32.03 ng

RT: 6.77 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion:107 Resp: 159741

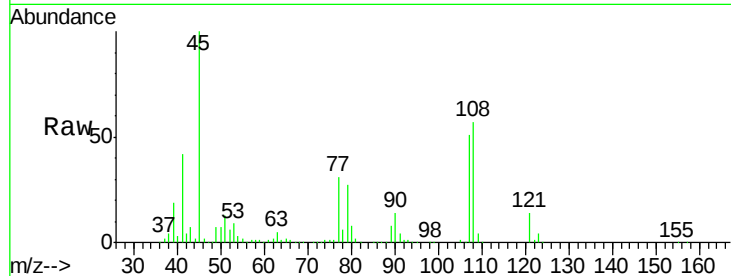
Ion Ratio Lower Upper

107 100

108 112.6 93.4 140.0

77 60.5 35.8 53.6#

79 53.6 34.8 52.2#

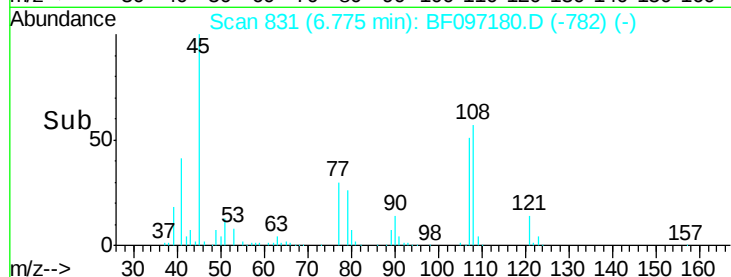


Abundance Ion 107.00 (106.70 to 107.70): E

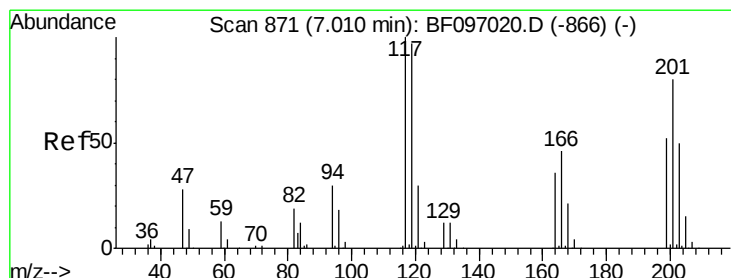
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 26.16 ng

RT: 7.00 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

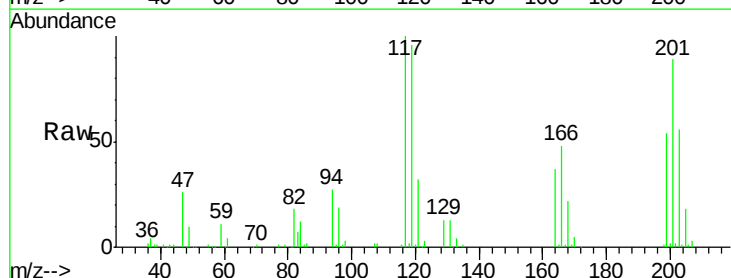
Tgt Ion:117 Resp: 66045

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0

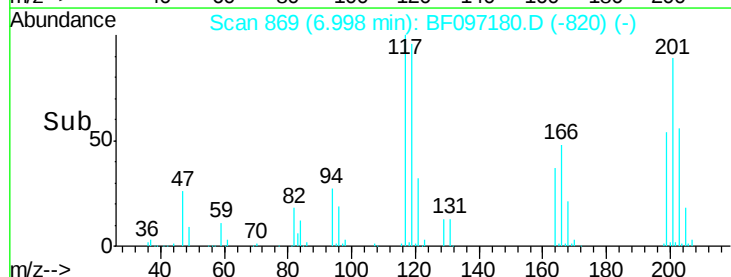
201 89.2 94.6 141.8#



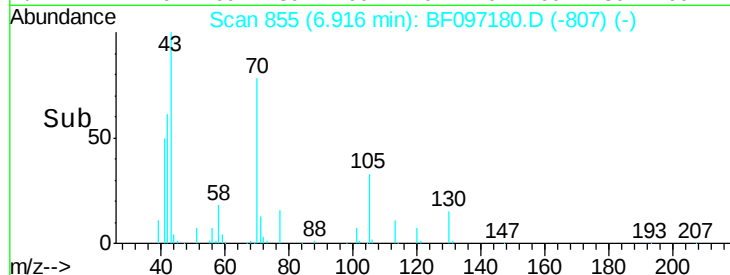
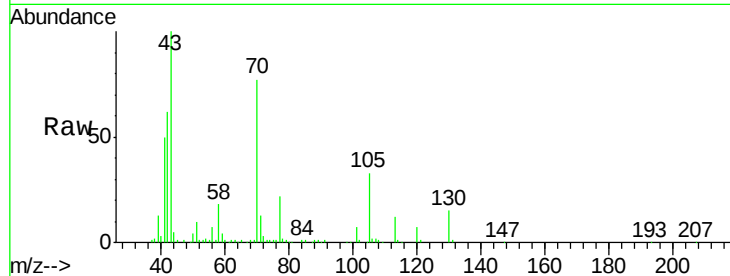
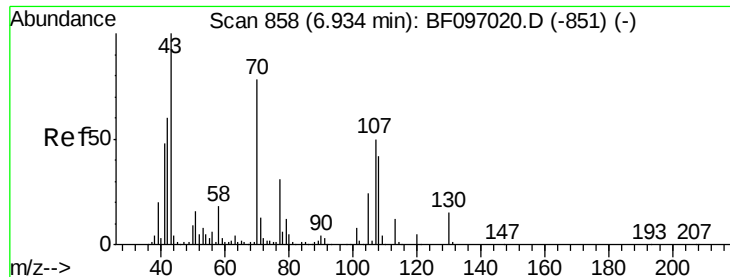
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



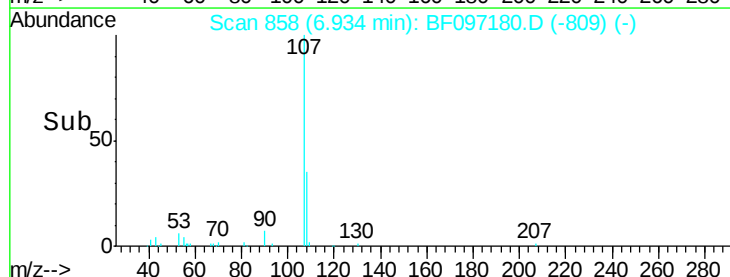
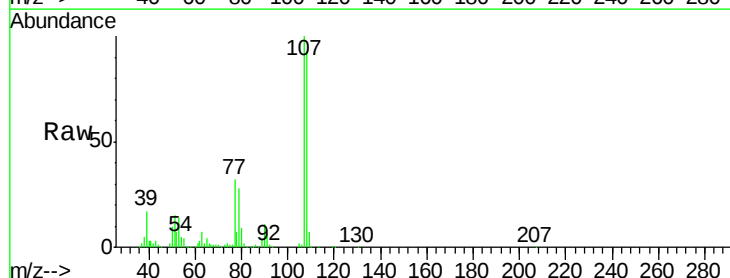
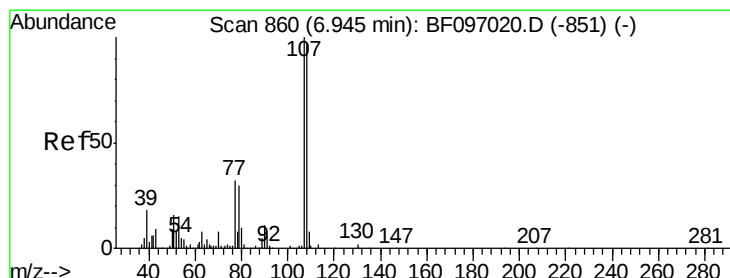
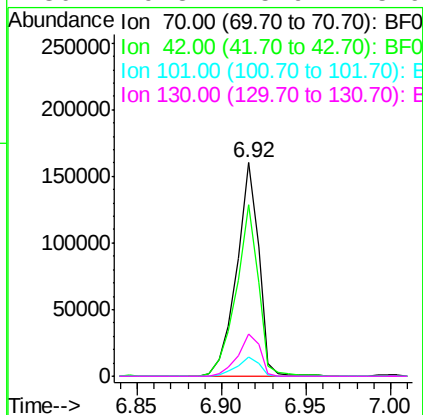
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 32.04 ng
RT: 6.92 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

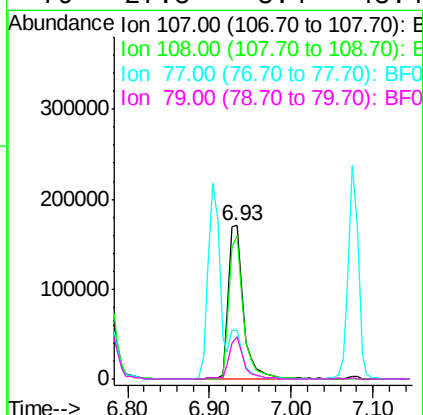
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

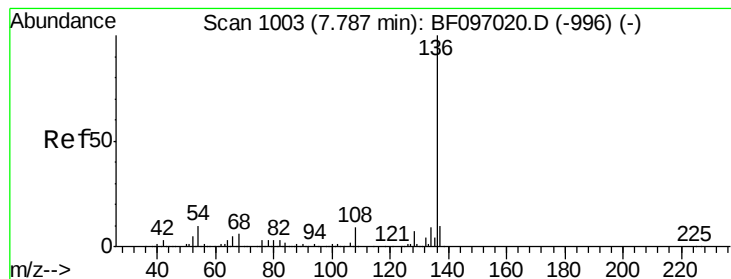
Tot Ion: 70 Resp: 145519
Ion Ratio Lower Upper
70 100
42 80.5 47.2 70.8#
101 9.0 7.2 10.8
130 19.8 15.9 23.9



#20
3+4-Methylphenols
Concen: 33.50 ng
RT: 6.93 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:107 Resp: 218222
Ion Ratio Lower Upper
107 100
108 93.3 71.0 111.0
77 31.7 90.5 130.5#
79 27.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion:136 Resp: 358551

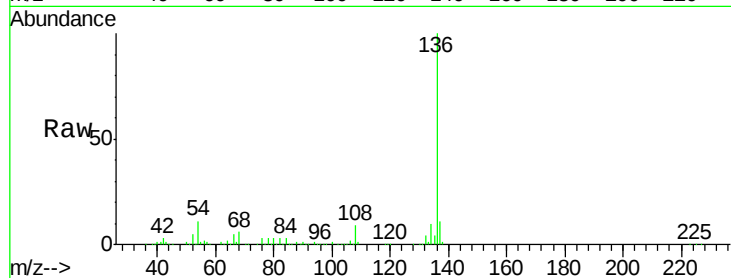
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.3 4.9 7.3#

68 5.8 4.1 6.1

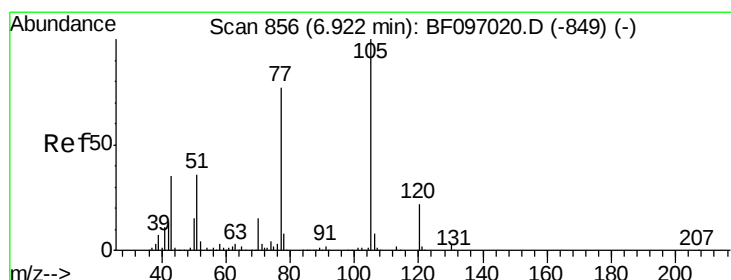
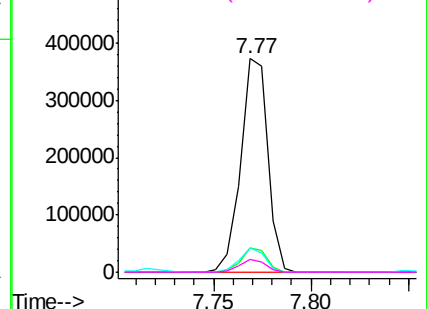
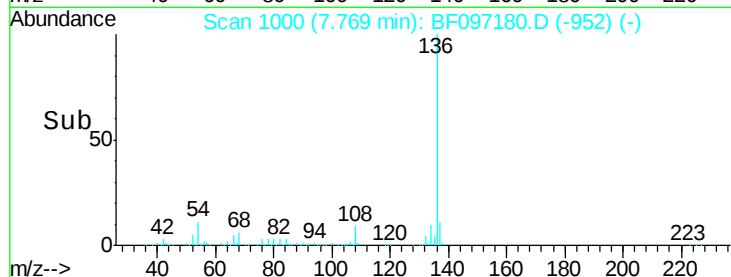


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.54 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Tgt Ion:105 Resp: 288755

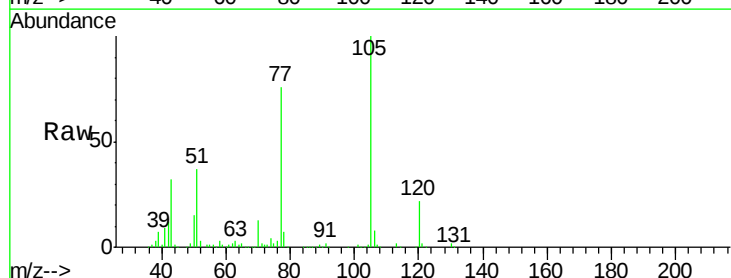
Ion Ratio Lower Upper

105 100

71 2.3 2.8 4.2#

51 36.9 30.7 46.1

120 22.4 17.4 26.0

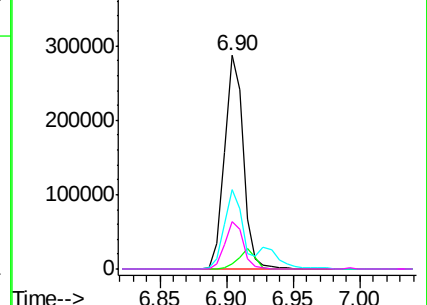
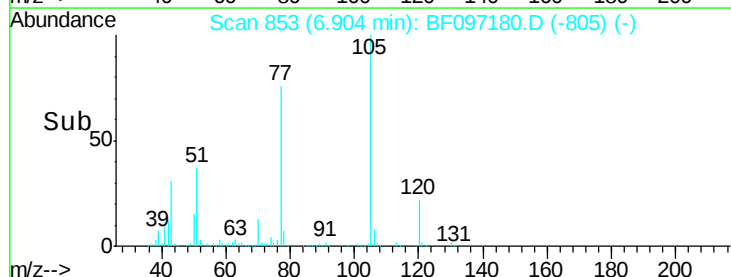


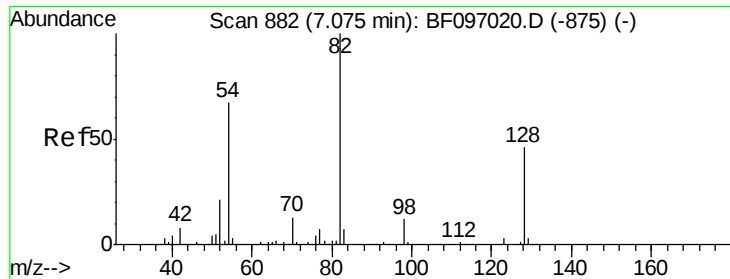
Abundance Ion 105.00 (104.70 to 105.70): E

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

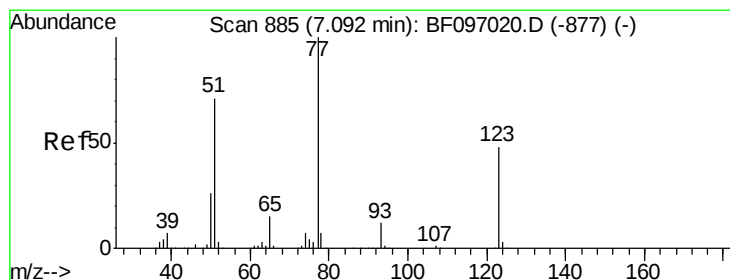
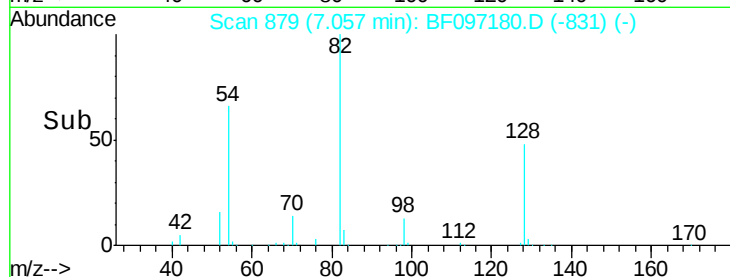
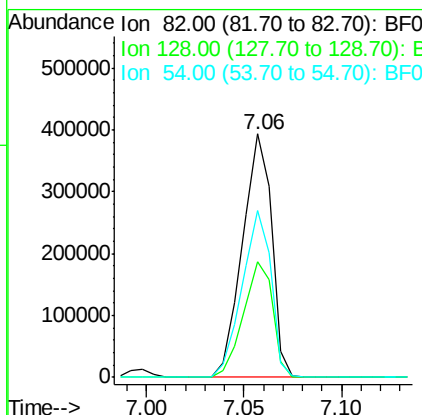
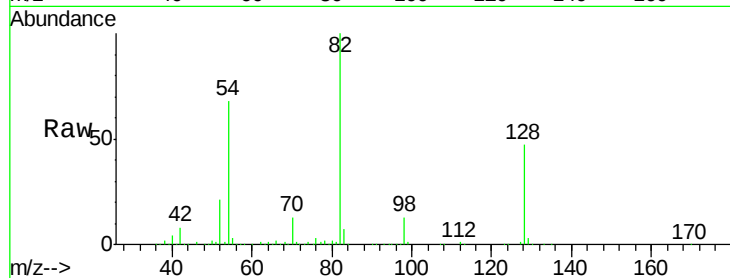




#23
 Nitrobenzene-d5
 Concen: 67.06 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

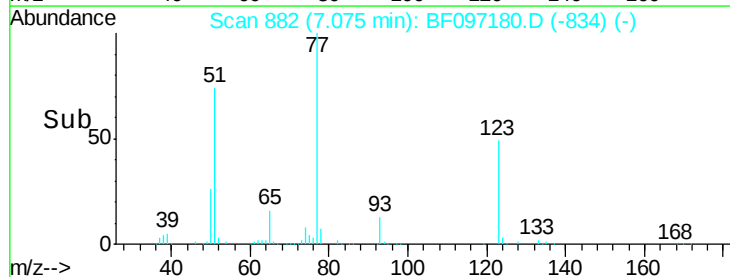
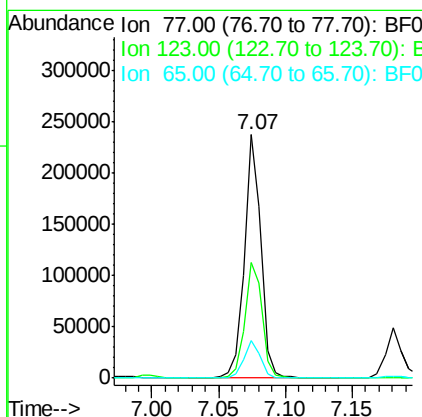
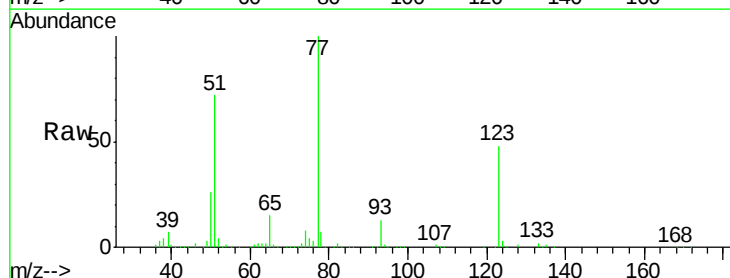
Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

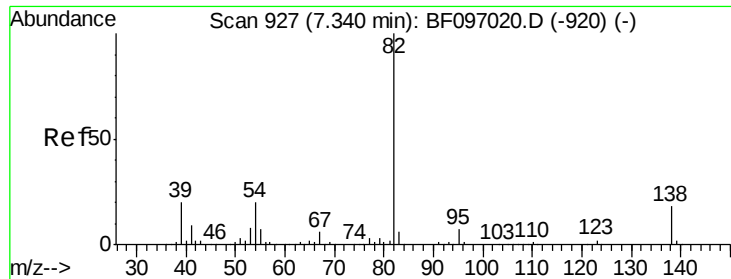
Tot Ion	82	Resp	409888
Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	68.5	42.2	63.2#



#24
 Nitrobenzene
 Concen: 31.96 ng
 RT: 7.07 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion	77	Resp	203422
Ion	Ratio	Lower	Upper
77	100		
123	47.6	35.8	53.8
65	15.2	10.6	15.8





#25

Isophorone

Concen: 30.85 ng

RT: 7.32 min Scan# 924

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

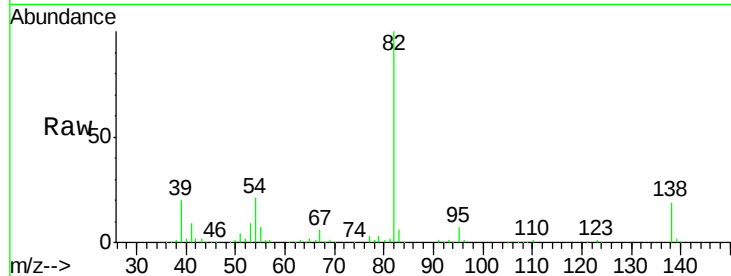
Tot Ion: 82 Resp: 369284

Ion Ratio Lower Upper

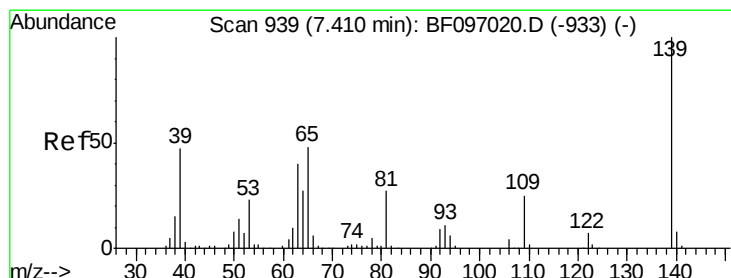
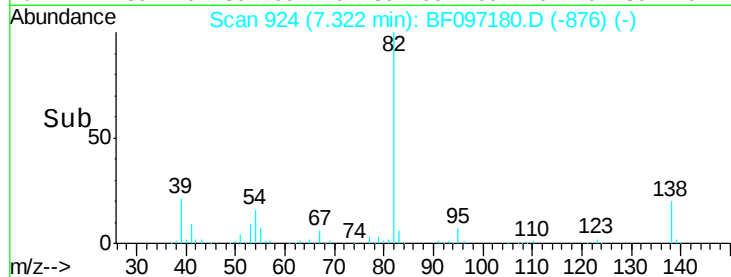
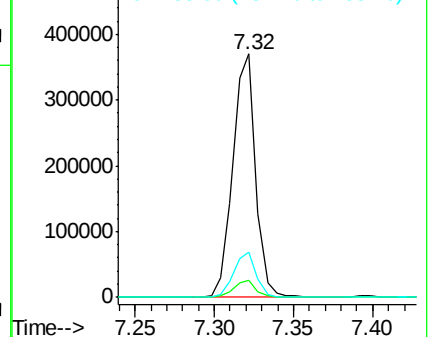
82 100

95 6.8 5.3 7.9

138 18.8 13.1 19.7



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: 27.48 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

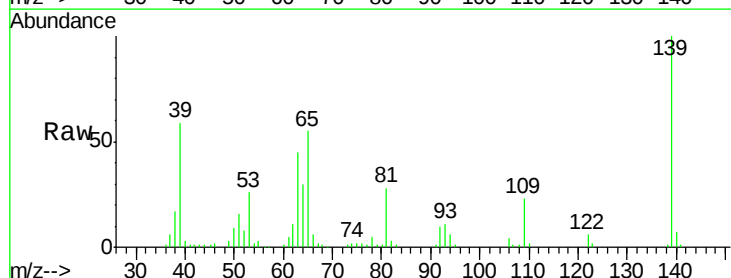
Tgt Ion: 139 Resp: 94634

Ion Ratio Lower Upper

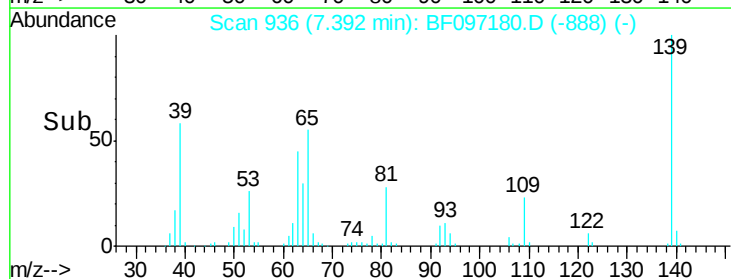
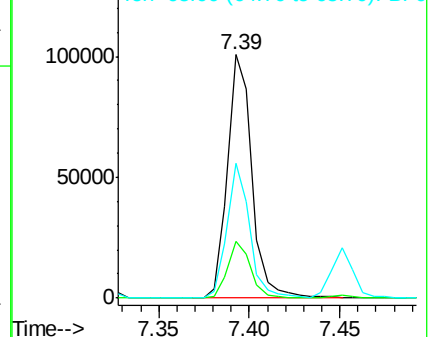
139 100

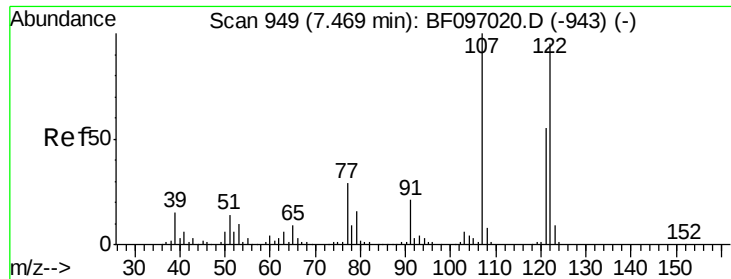
109 23.5 21.0 31.6

65 55.5 33.0 49.6#



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

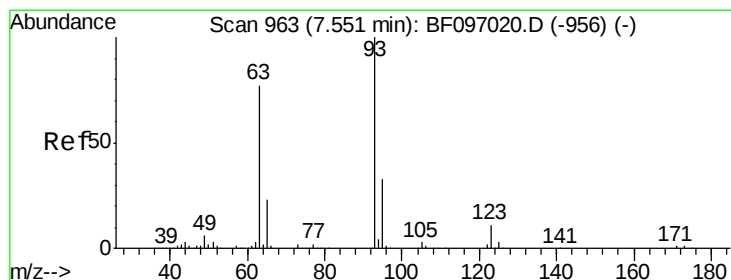
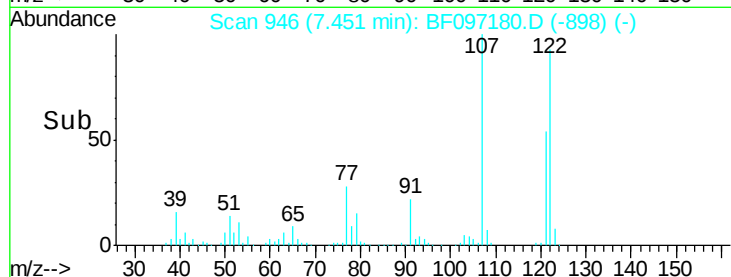
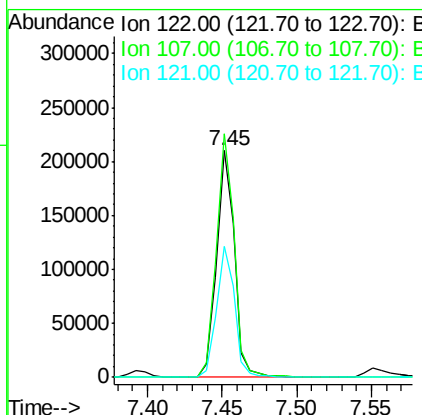
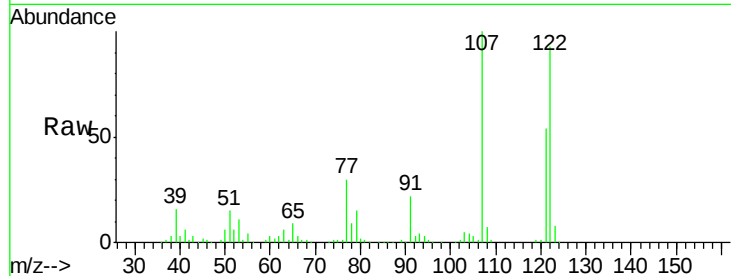




#27
 2,4-Dimethylphenol
 Concen: 30.87 ng
 RT: 7.45 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

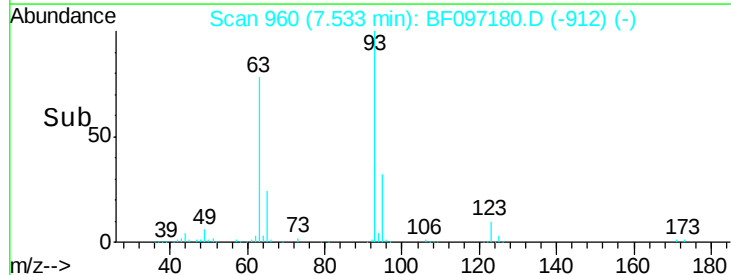
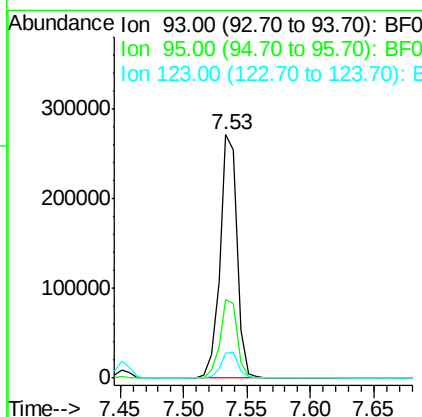
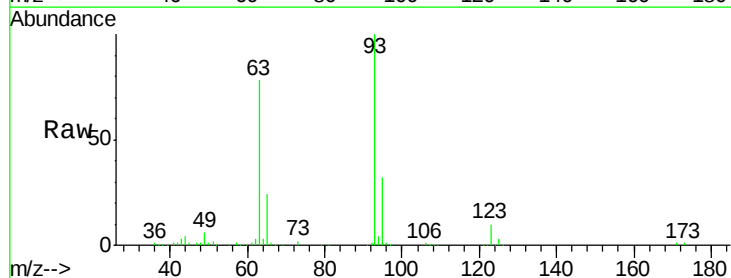
Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

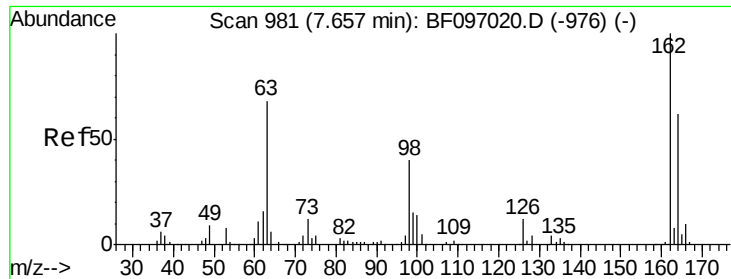
Tot Ion:122 Resp: 175349
 Ion Ratio Lower Upper
 122 100
 107 107.5 89.2 133.8
 121 57.6 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 32.88 ng
 RT: 7.53 min Scan# 960
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion: 93 Resp: 256849
 Ion Ratio Lower Upper
 93 100
 95 32.4 26.5 39.7
 123 10.2 9.0 13.4

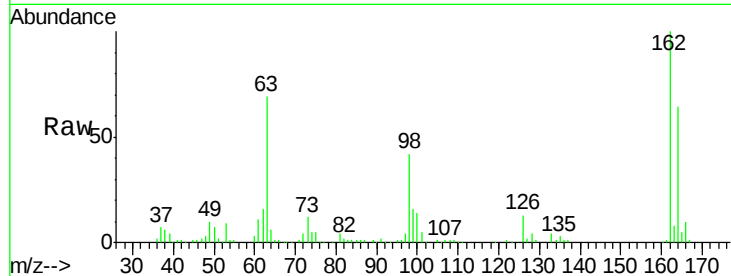




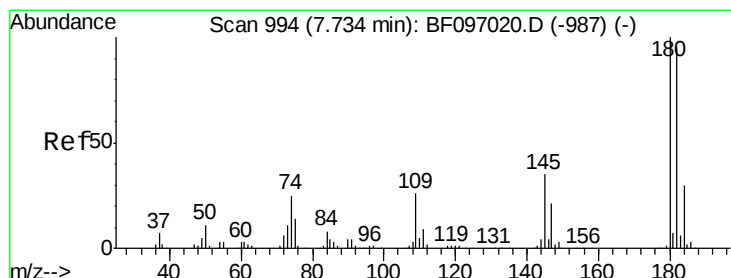
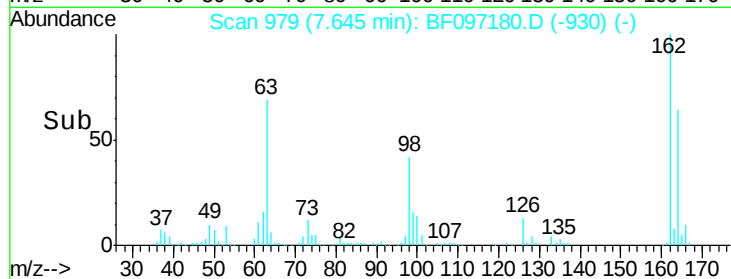
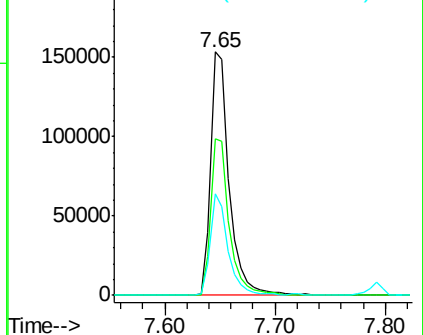
#29
 2,4-Dichlorophenol
 Concen: 35.89 ng
 RT: 7.65 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	41.6	14.8	54.8

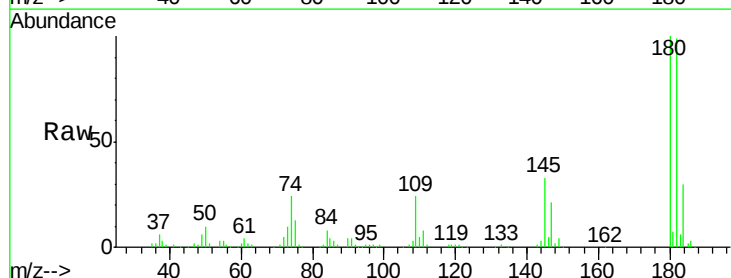


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

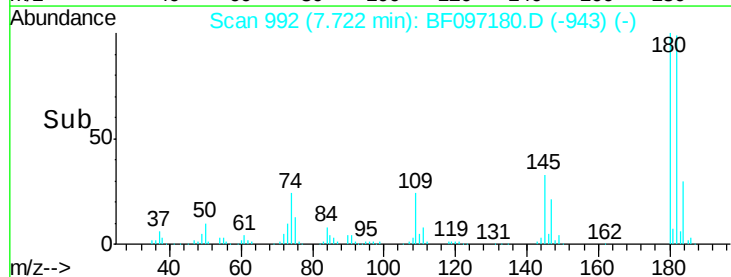
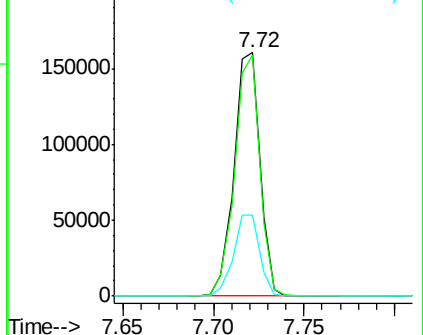


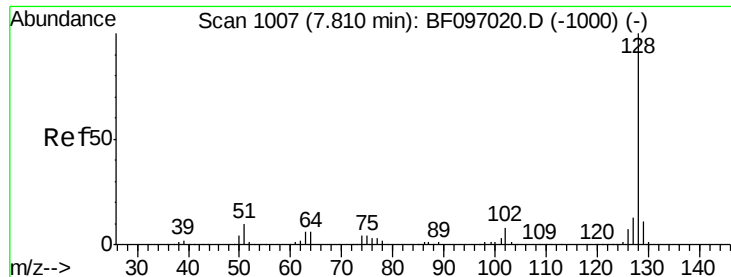
#30
 1,2,4-Trichlorobenzene
 Concen: 34.34 ng
 RT: 7.72 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.8	113.6
145	33.1	25.3	37.9



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

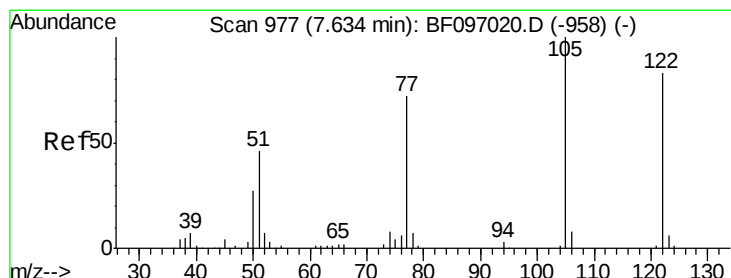
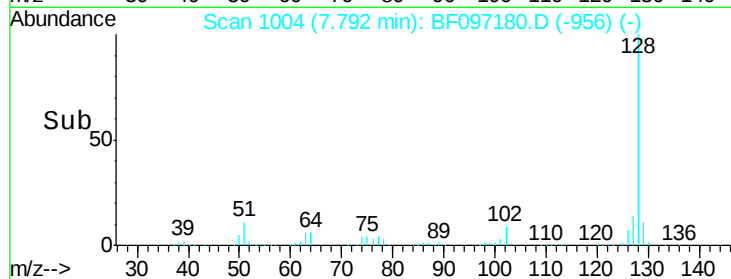
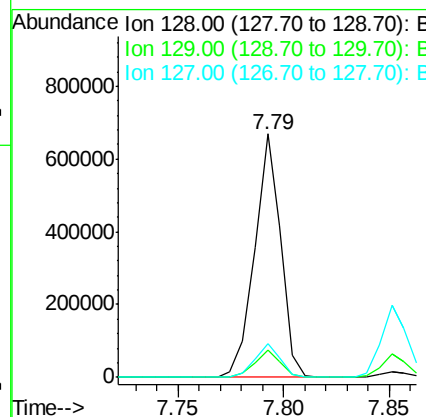
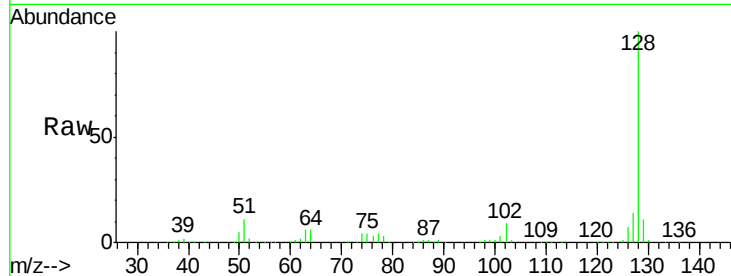




#31
Naphthalene
Concen: 33.92 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

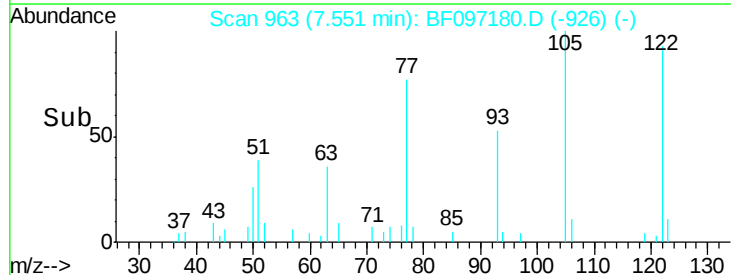
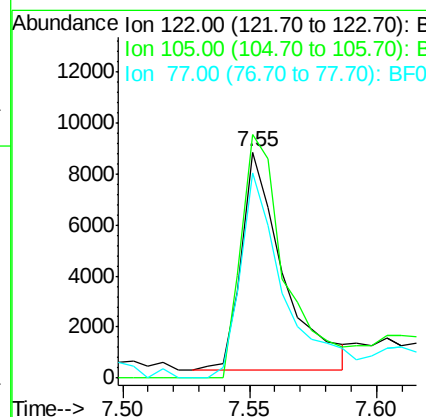
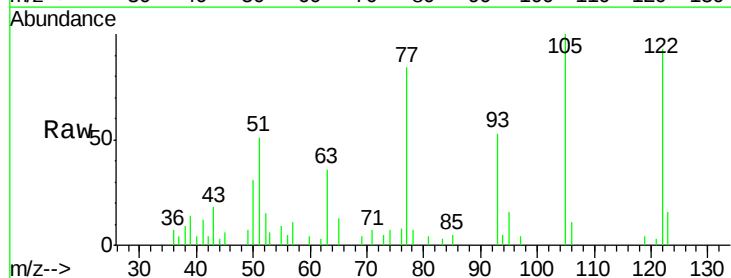
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

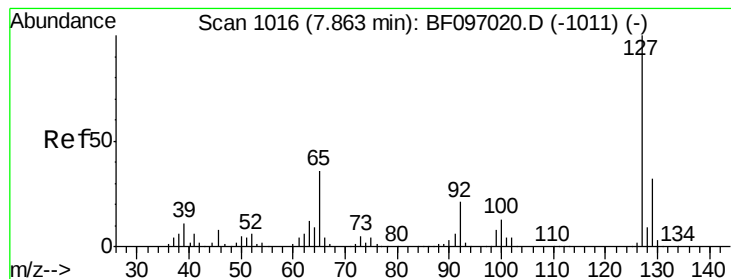
Tot Ion:128 Resp: 573375
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 2.32 ng
RT: 7.55 min Scan# 963
Delta R.T. -0.08 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:122 Resp: 9825
Ion Ratio Lower Upper
122 100
105 107.6 103.3 143.3
77 90.9 73.7 113.7





#33

4-Chloroaniline

Concen: 26.89 ng

RT: 7.85 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion:127 Resp: 184906

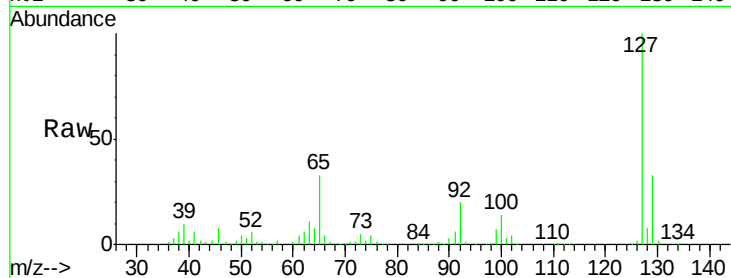
Ion Ratio Lower Upper

127 100

129 32.7 26.2 39.2

65 33.1 27.8 41.8

92 20.0 16.8 25.2

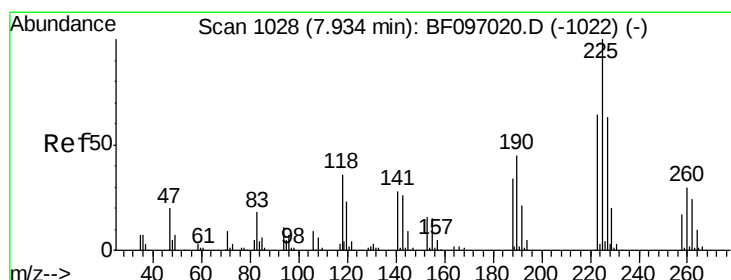
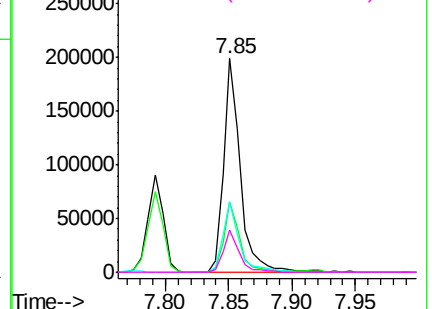
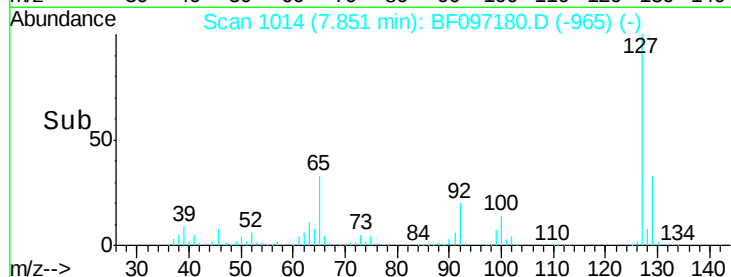


Abundance Ion 127.00 (126.70 to 127.70): E

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: 33.25 ng

RT: 7.92 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

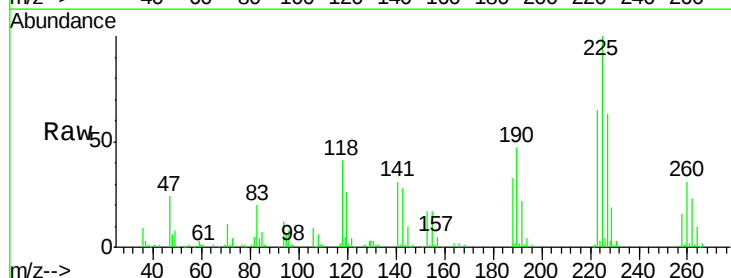
Tgt Ion:225 Resp: 82226

Ion Ratio Lower Upper

225 100

223 64.8 48.8 73.2

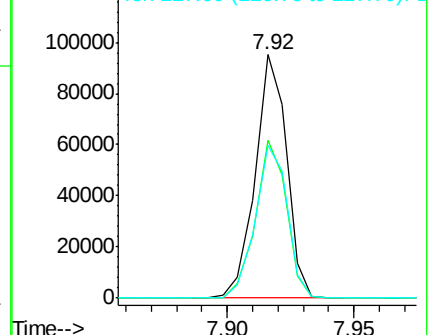
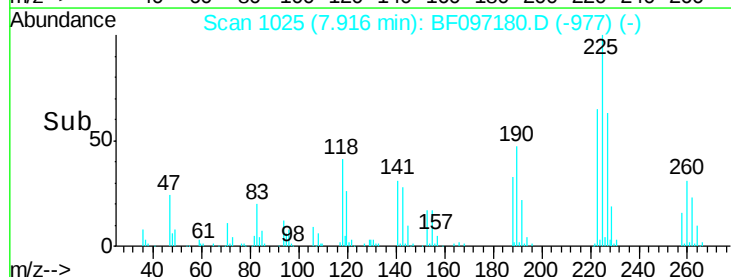
227 62.6 51.1 76.7

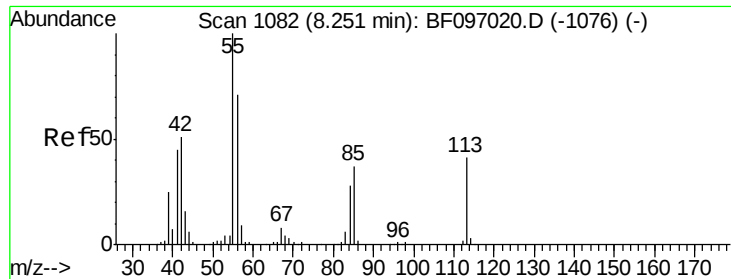


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

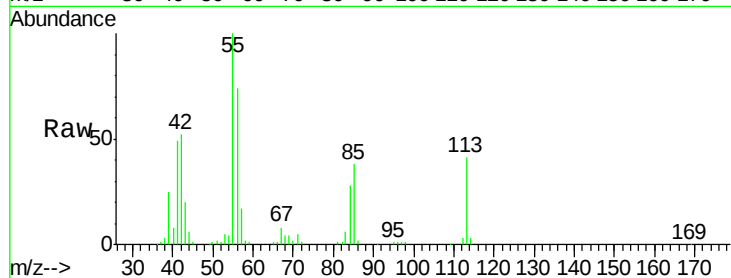




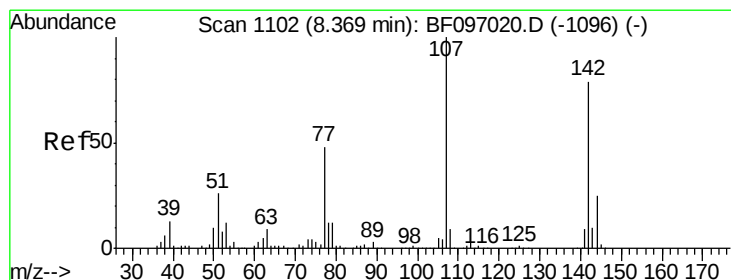
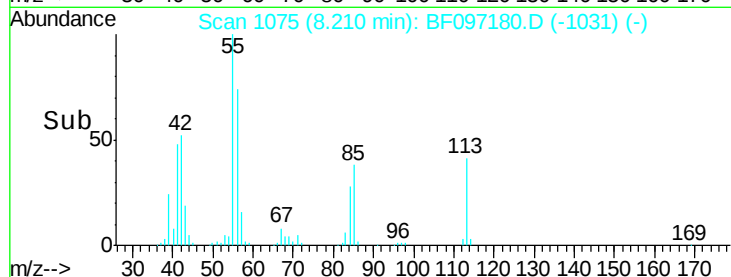
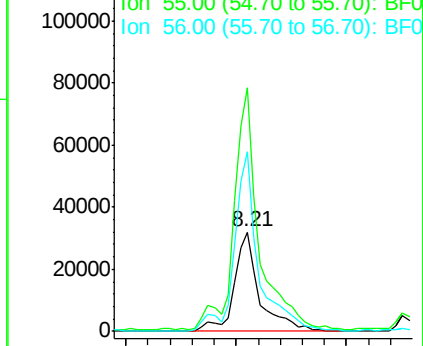
#35
Caprolactam
Concen: 32.53 ng
RT: 8.21 min Scan# 1075
Delta R.T. -0.04 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

Tot Ion:113 Resp: 51052
Ion Ratio Lower Upper
113 100
55 244.8 150.2 190.2#
56 180.4 107.8 147.8#

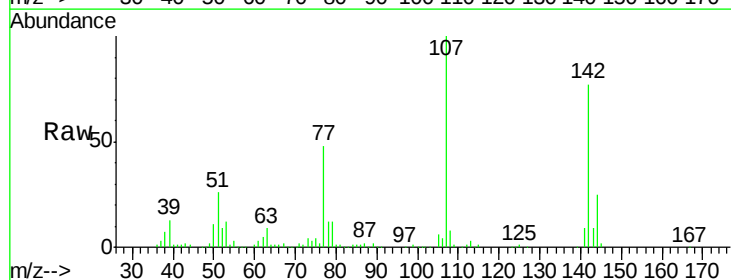


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

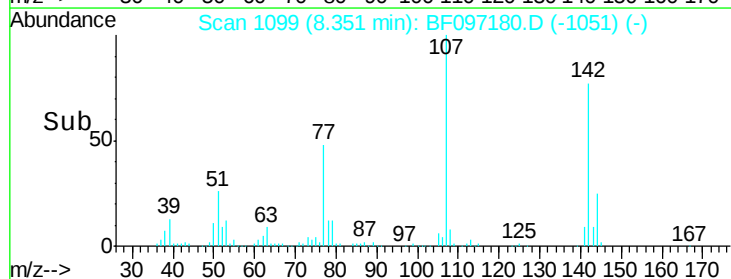
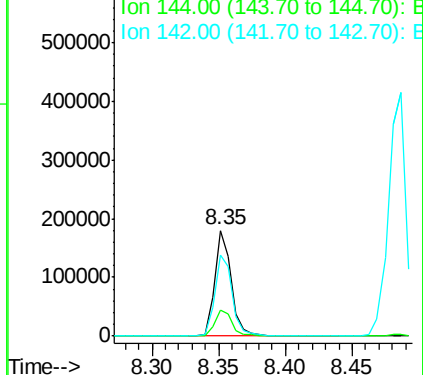


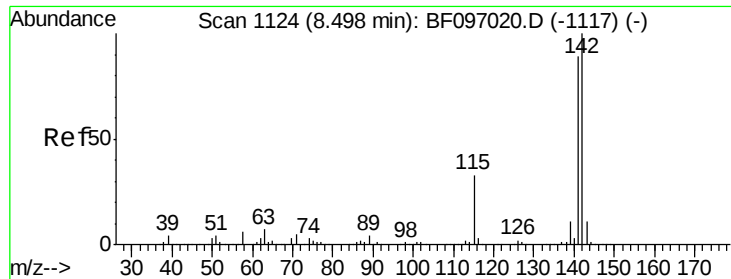
#36
4-Chloro-3-methylphenol
Concen: 29.72 ng
RT: 8.35 min Scan# 1099
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:107 Resp: 158708
Ion Ratio Lower Upper
107 100
144 25.1 24.2 36.4
142 76.7 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

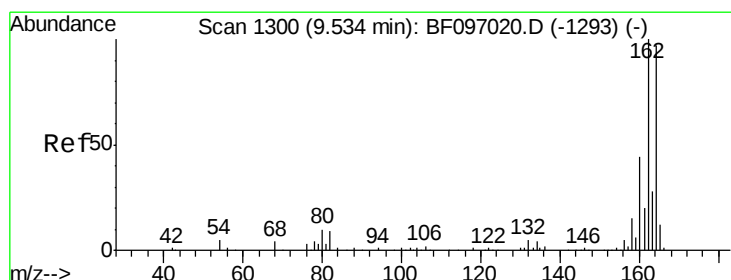
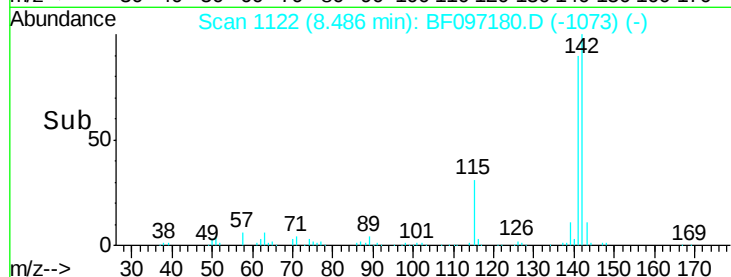
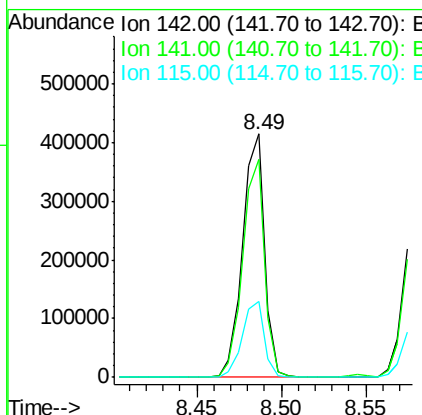
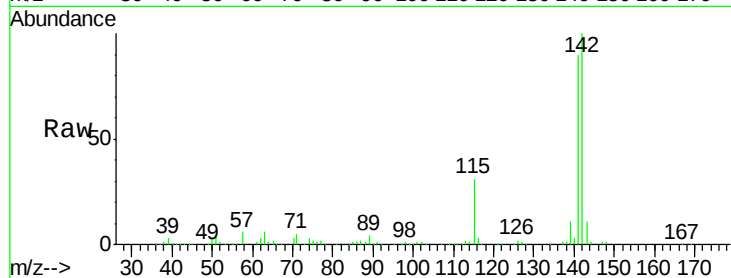




#37
2-Methylnaphthalene
Concen: 35.23 ng
RT: 8.49 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

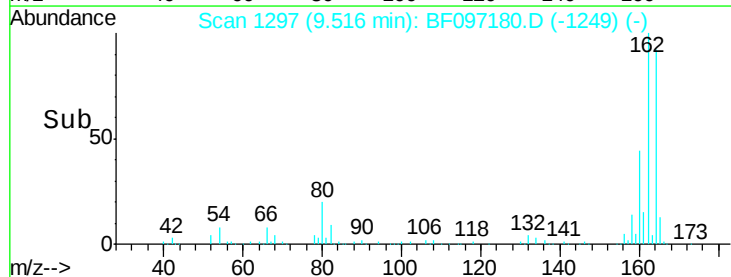
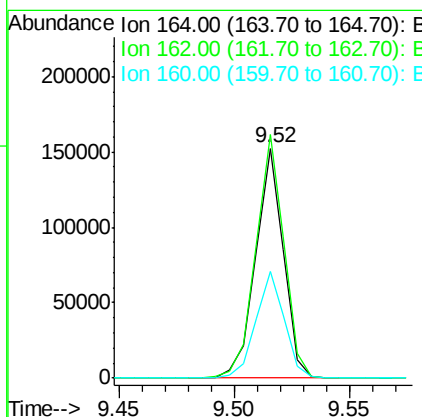
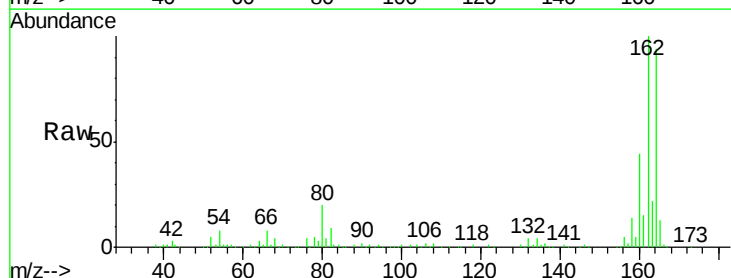
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

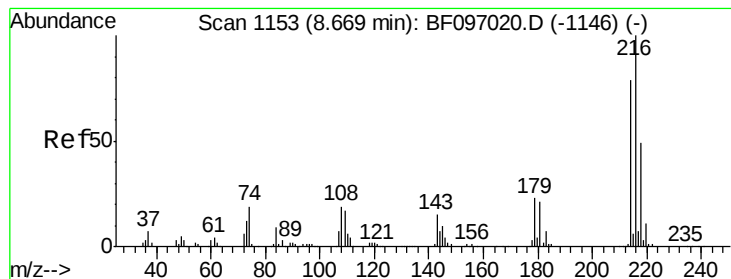
Tot Ion:142 Resp: 377047
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9
115 31.3 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:164 Resp: 128340
Ion Ratio Lower Upper
164 100
162 105.9 82.6 123.8
160 46.4 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.98 ng

RT: 8.65 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion:216 Resp: 126625

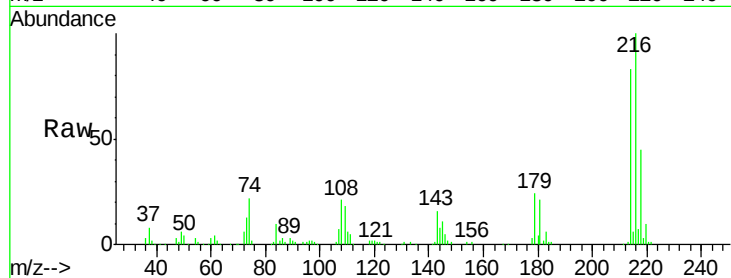
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 22.4 17.9 26.9

108 20.1 16.5 24.7

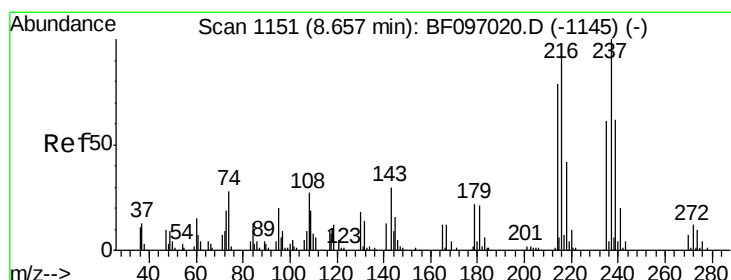
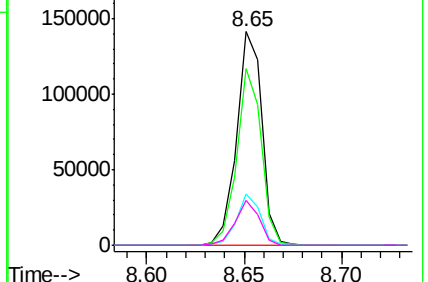
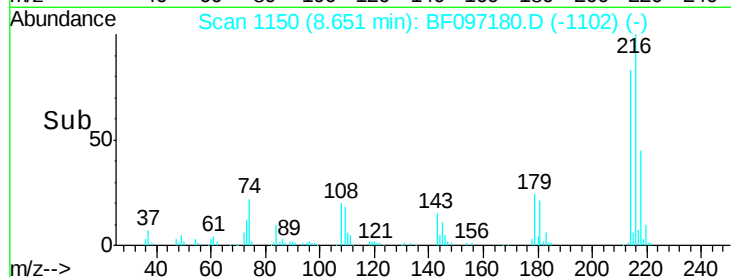


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 9.83 ng

RT: 8.64 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

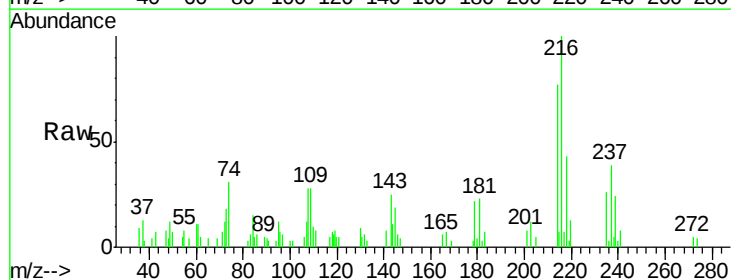
Tgt Ion:237 Resp: 4230

Ion Ratio Lower Upper

237 100

235 66.4 42.6 82.6

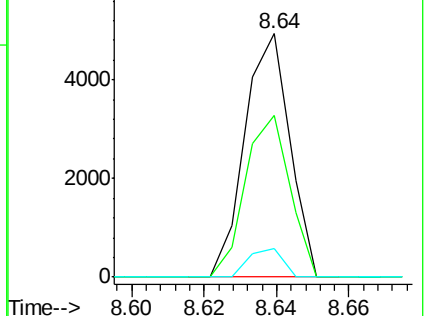
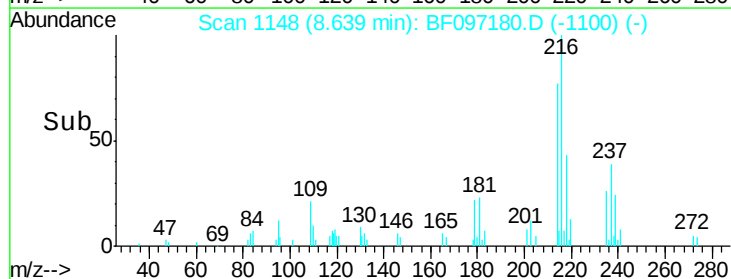
272 11.7 0.0 31.9

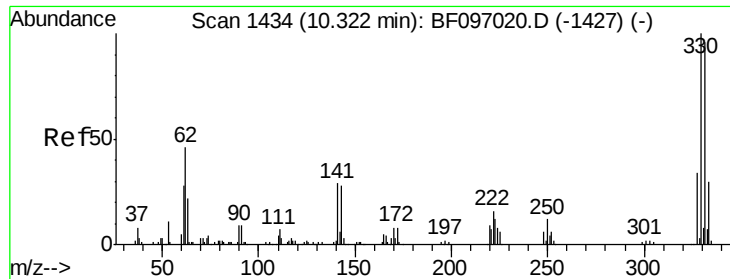


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

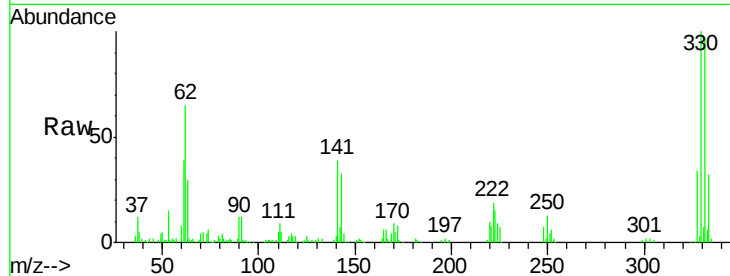




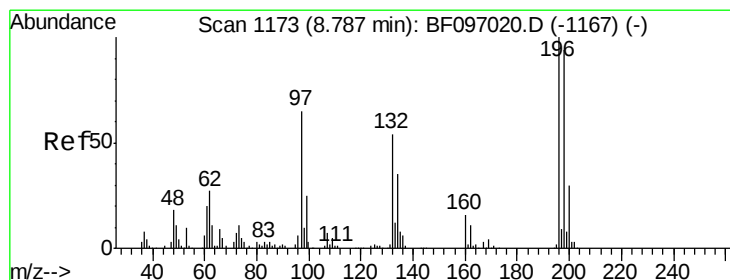
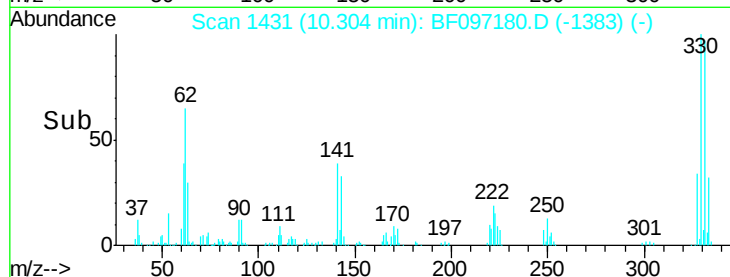
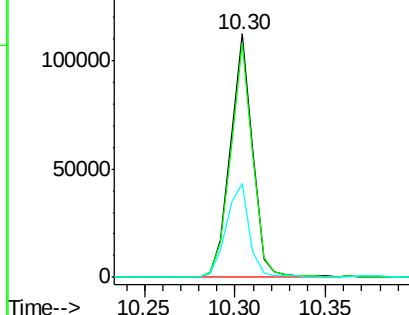
#41
 2,4,6-Tribromophenol
 Concen: 95.45 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

Tot Ion:330 Resp: 96786
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 40.7 31.4 47.2

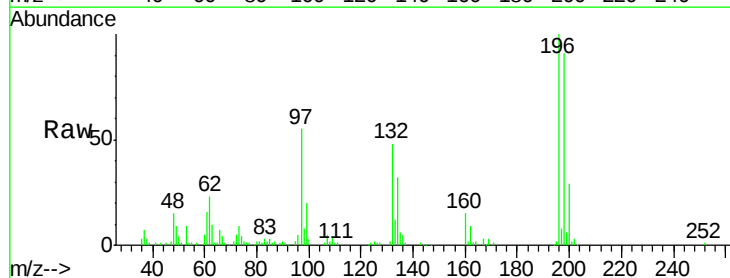


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

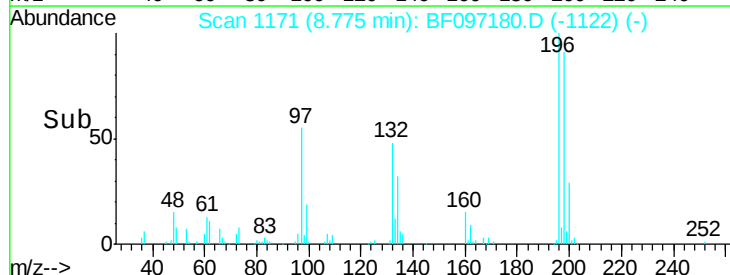
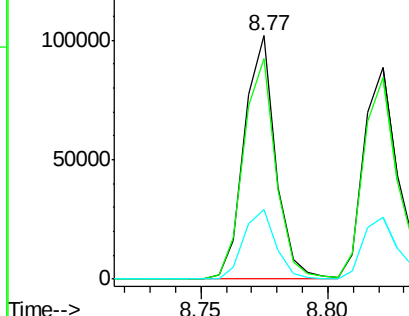


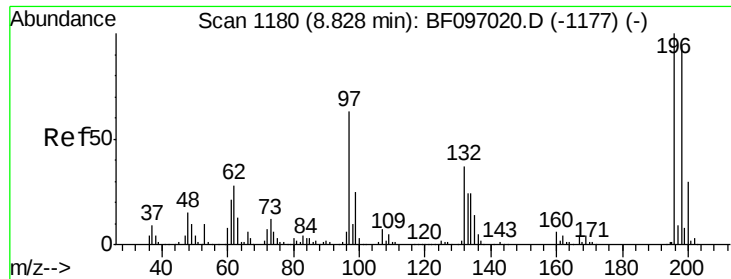
#42
 2,4,6-Trichlorophenol
 Concen: 35.36 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion:196 Resp: 87748
 Ion Ratio Lower Upper
 196 100
 198 90.7 74.2 111.4
 200 28.8 24.0 36.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

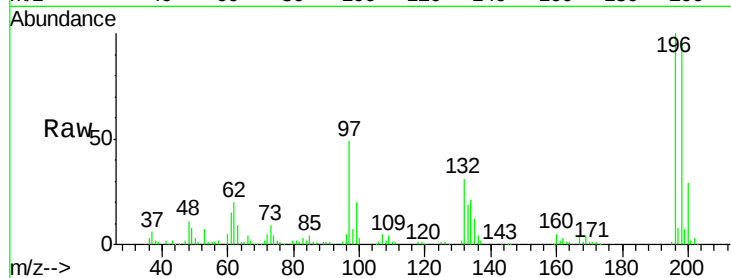




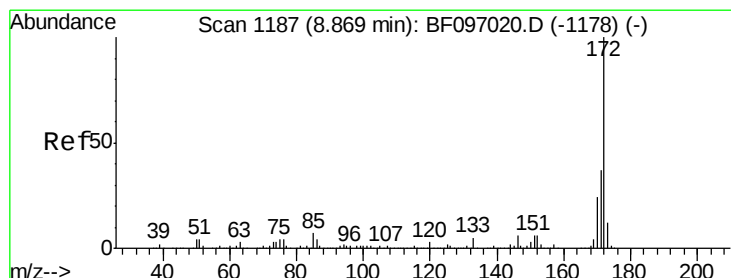
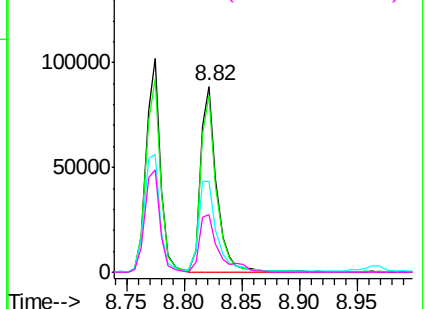
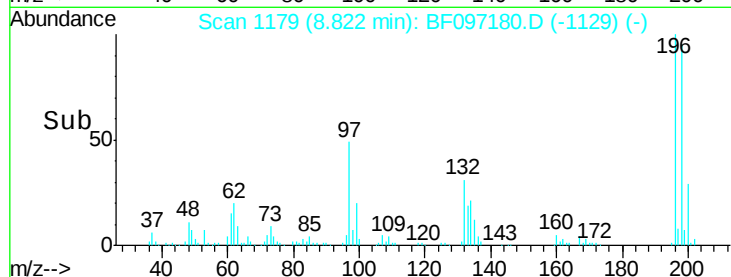
#43
 2,4,5-Trichlorophenol
 Concen: 35.60 ng
 RT: 8.82 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

Tot Ion:196 Resp: 88429
 Ion Ratio Lower Upper
 196 100
 198 94.8 75.7 113.5
 97 48.6 47.7 71.5
 132 30.7 28.0 42.0

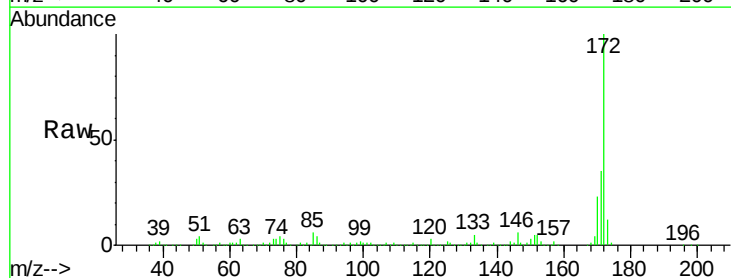


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

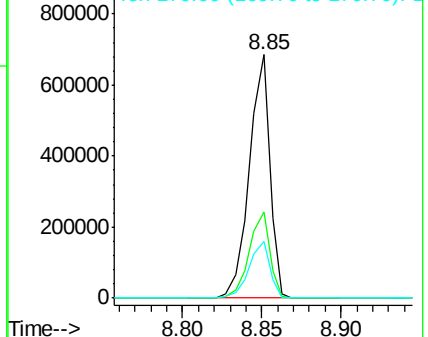
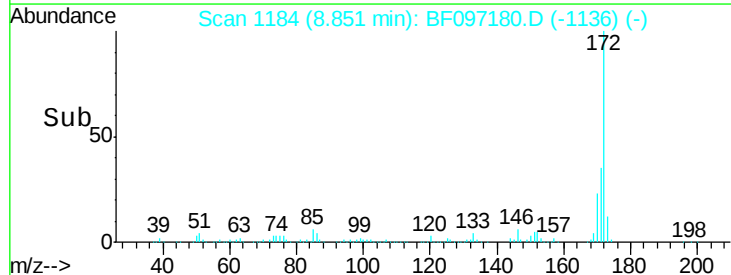


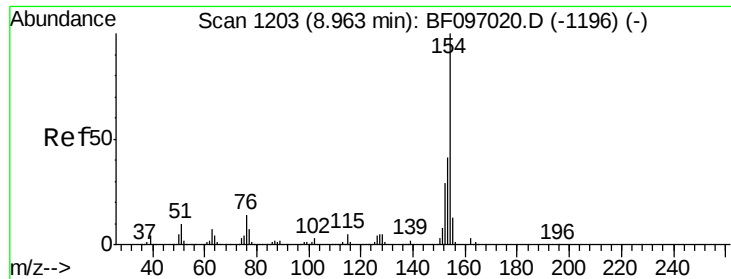
#44
 2-Fluorobiphenyl
 Concen: 81.01 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion:172 Resp: 612610
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.4 19.8 29.8



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: 38.18 ng

RT: 8.95 min Scan# 1200

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

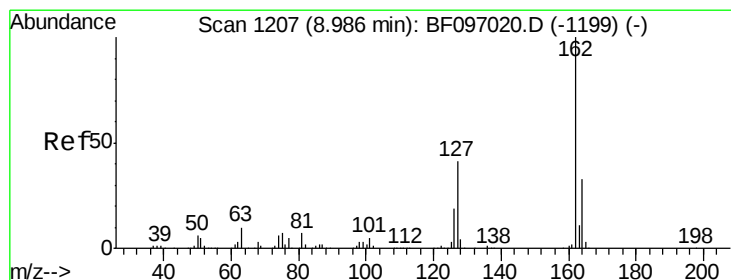
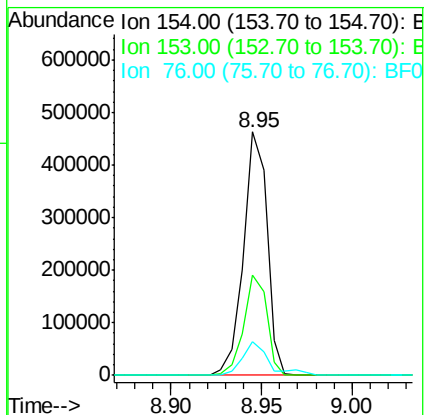
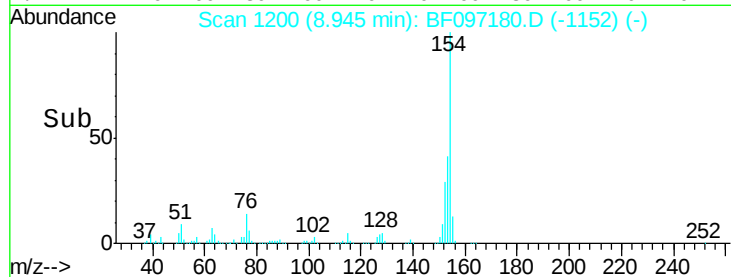
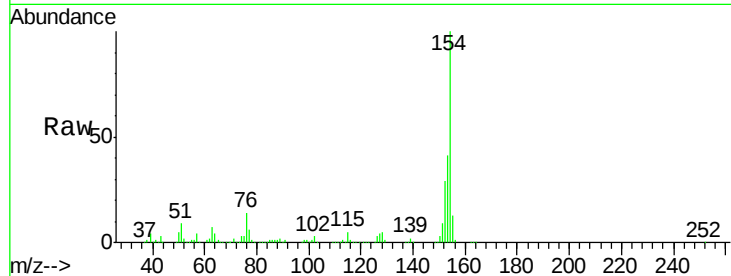
Tot Ion:154 Resp: 418481

Ion Ratio Lower Upper

154 100

153 41.4 21.2 61.2

76 13.9 0.0 29.9



#46

2-Chloronaphthalene

Concen: 38.11 ng

RT: 8.97 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

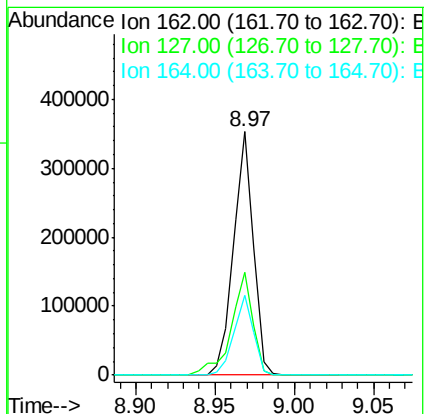
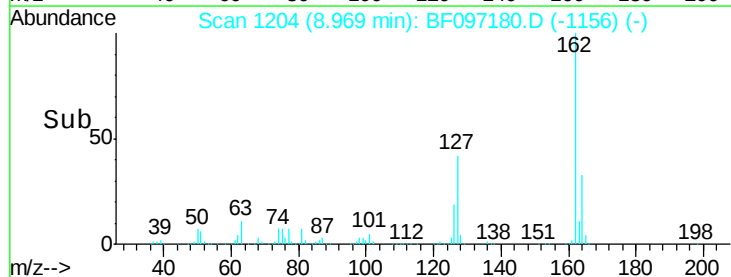
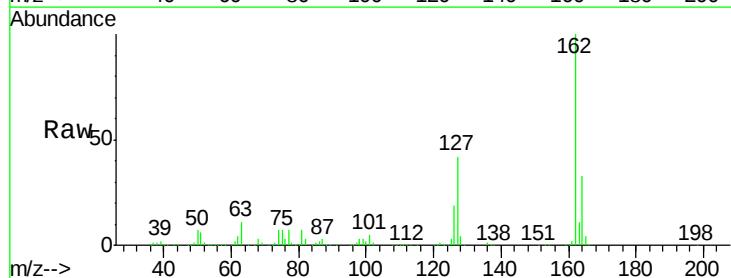
Tgt Ion:162 Resp: 307420

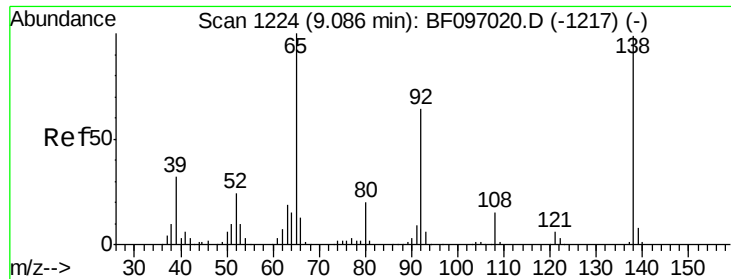
Ion Ratio Lower Upper

162 100

127 42.3 28.3 42.5

164 32.7 27.0 40.4

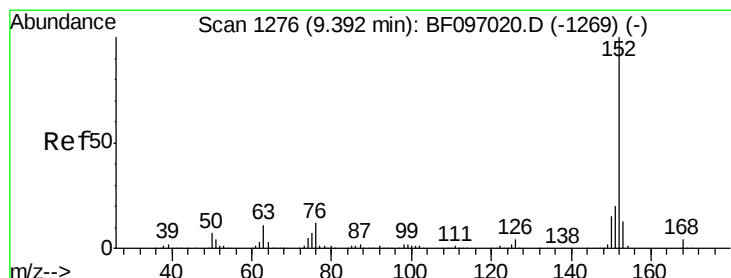
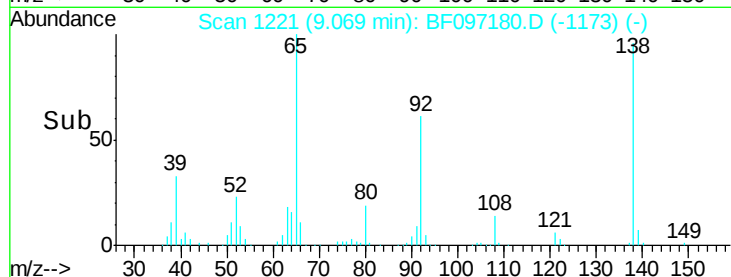
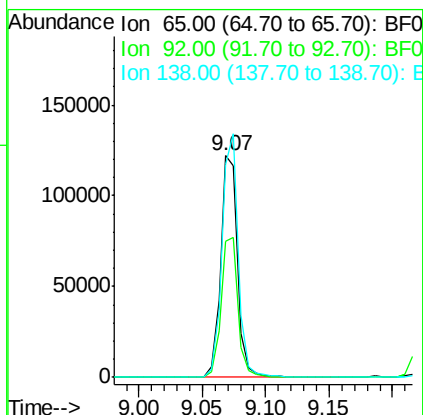
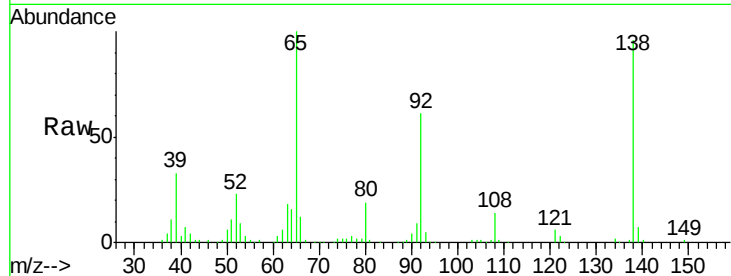




#47
 2-Nitroaniline
 Concen: 39.13 ng
 RT: 9.07 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

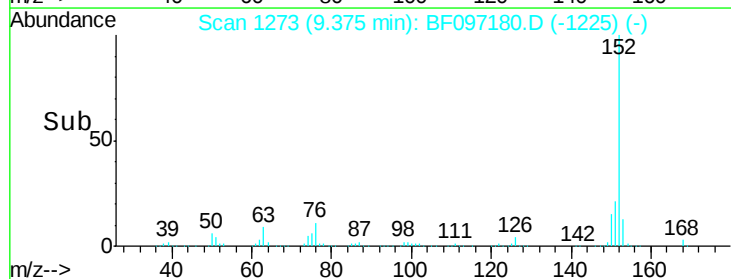
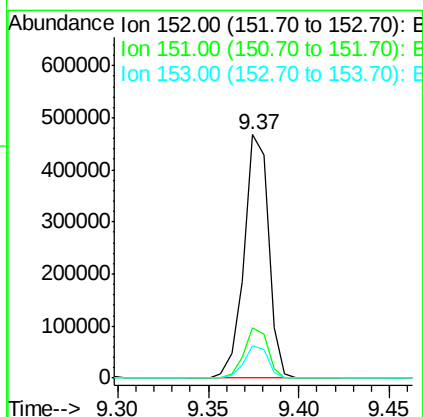
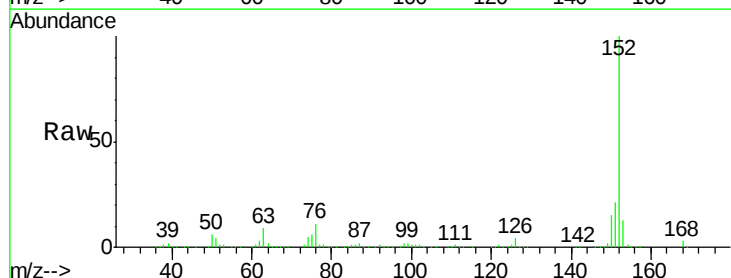
Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

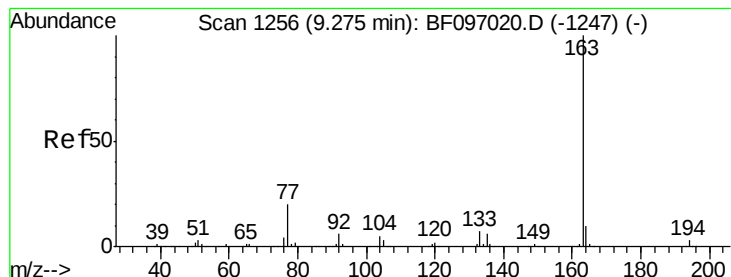
Tot Ion	Ratio	Lower	Upper
65	100		
92	61.3	53.9	80.9
138	95.9	78.8	118.2



#48
 Acenaphthylene
 Concen: 35.50 ng
 RT: 9.37 min Scan# 1273
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.5	10.8	16.2





#49

Dimethylphthalate

Concen: 49.72 ng

RT: 9.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

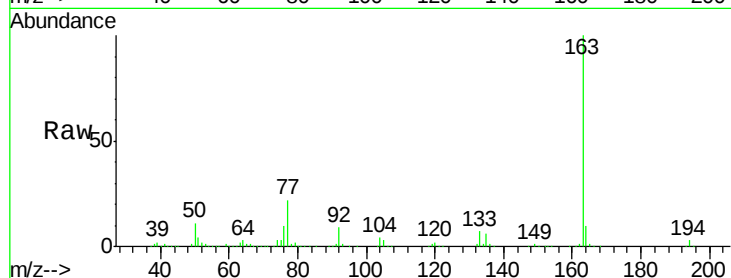
Tot Ion:163 Resp: 484577

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

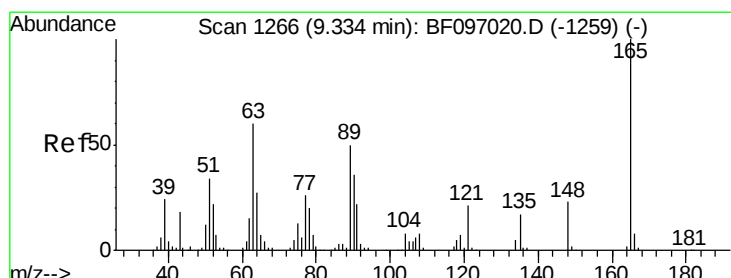
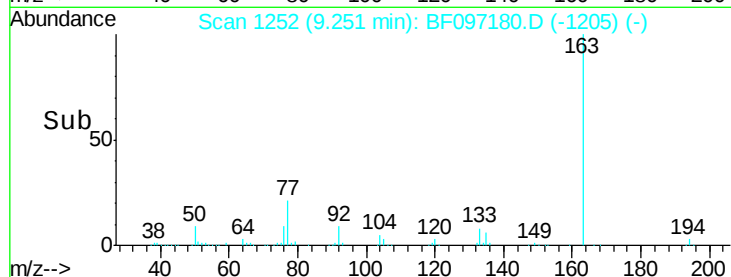
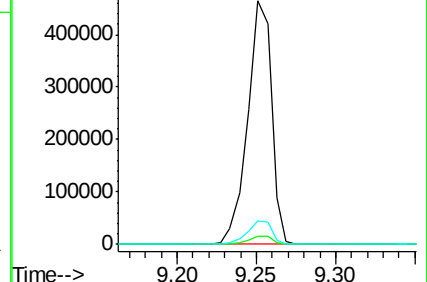
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 31.49 ng

RT: 9.32 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

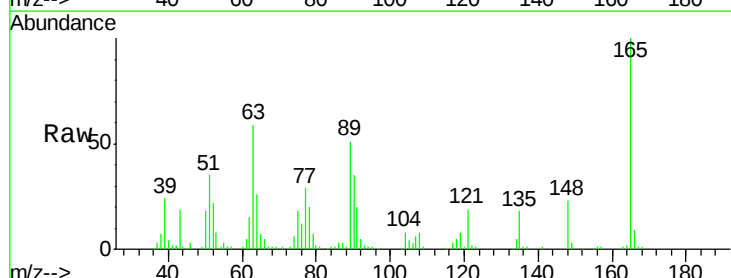
Tgt Ion:165 Resp: 65099

Ion Ratio Lower Upper

165 100

63 59.3 34.3 51.5#

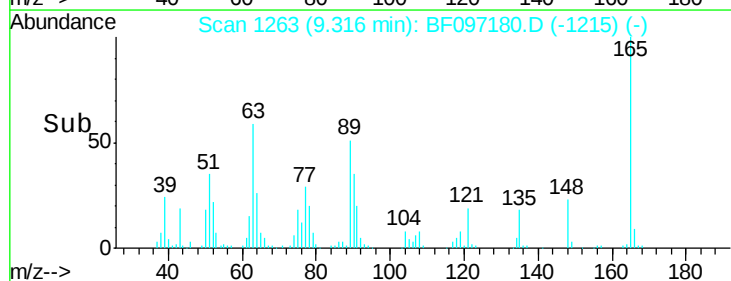
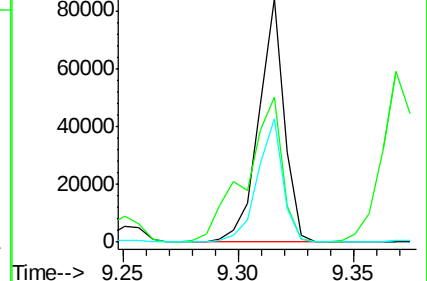
89 50.5 37.1 55.7

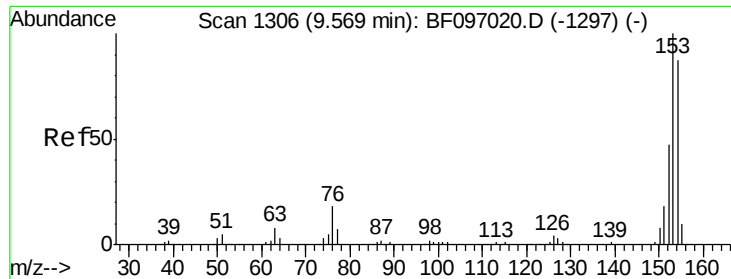


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 33.70 ng

RT: 9.55 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

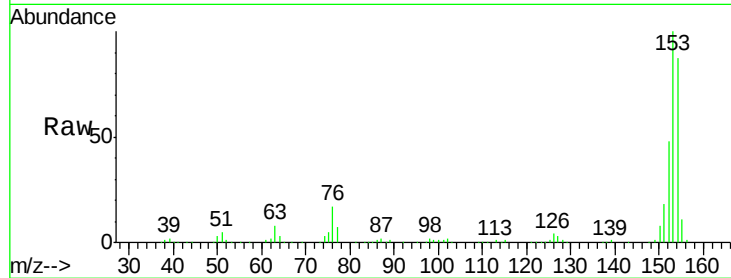
Tot Ion:154 Resp: 245774

Ion Ratio Lower Upper

154 100

153 115.5 90.5 135.7

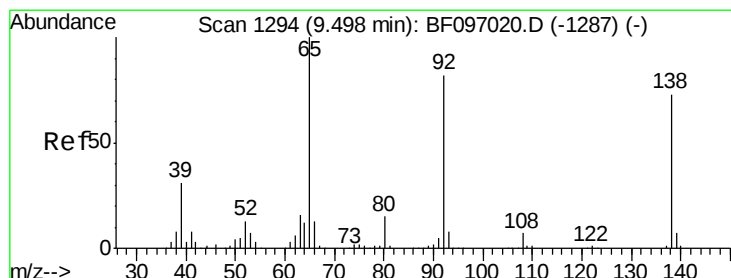
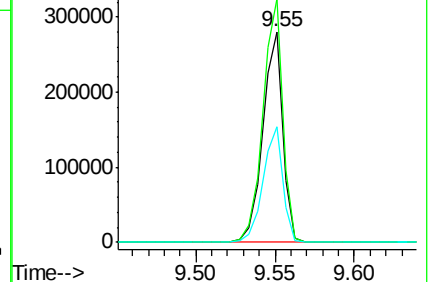
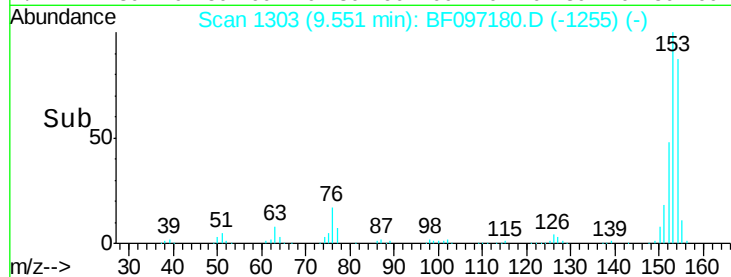
152 55.0 43.6 65.4



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: 34.33 ng

RT: 9.48 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

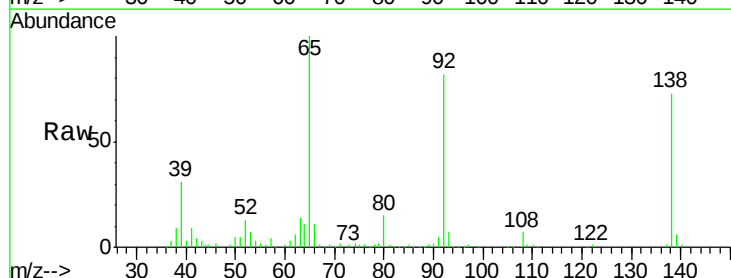
Tgt Ion:138 Resp: 88091

Ion Ratio Lower Upper

138 100

108 9.8 9.1 13.7

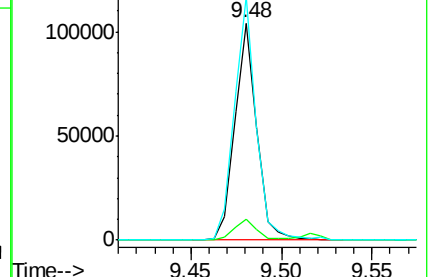
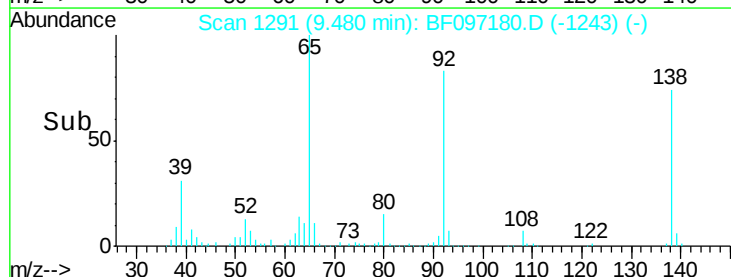
92 112.3 93.8 140.6

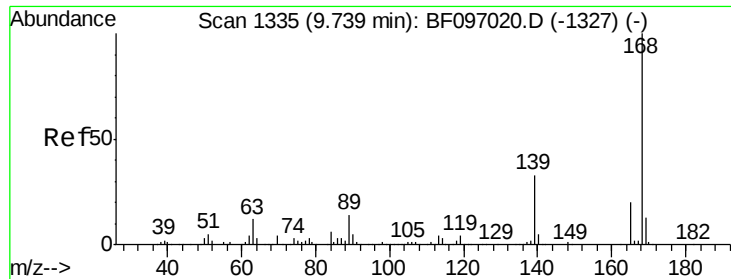


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

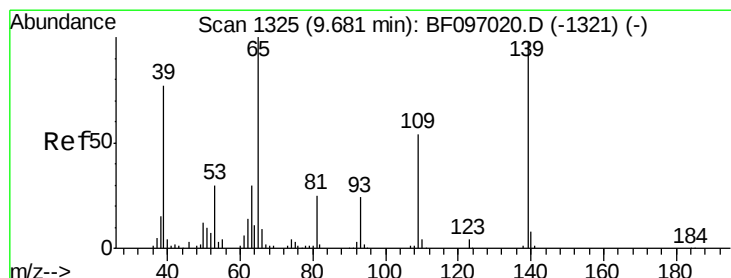
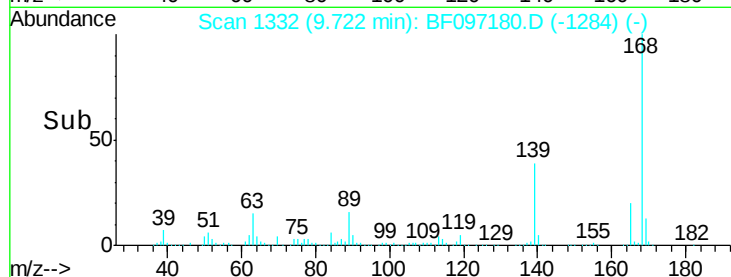
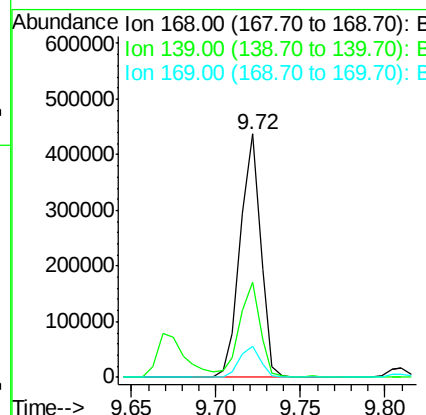
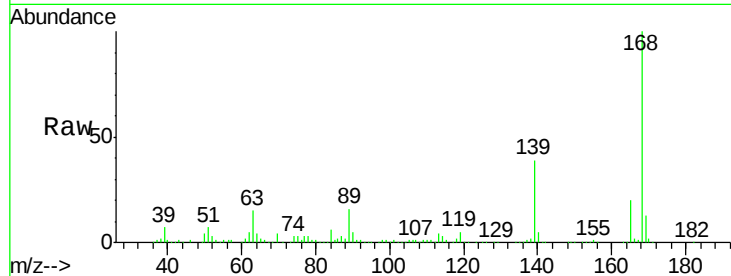




#54
Dibenzofuran
Concen: 37.92 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

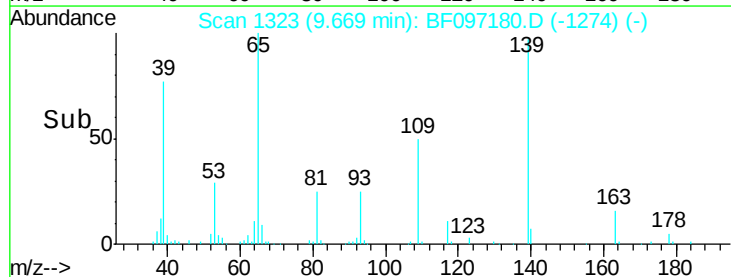
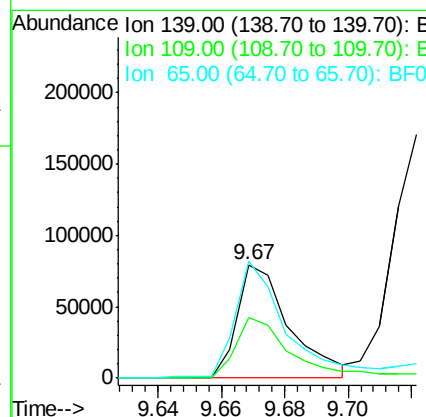
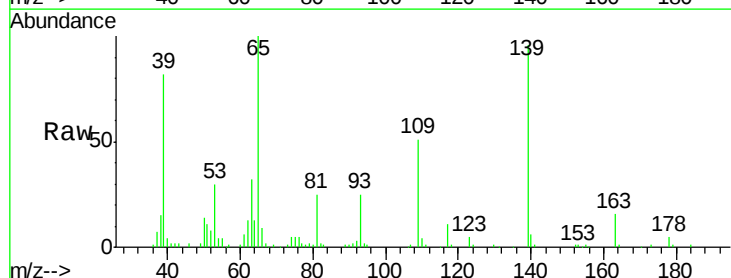
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

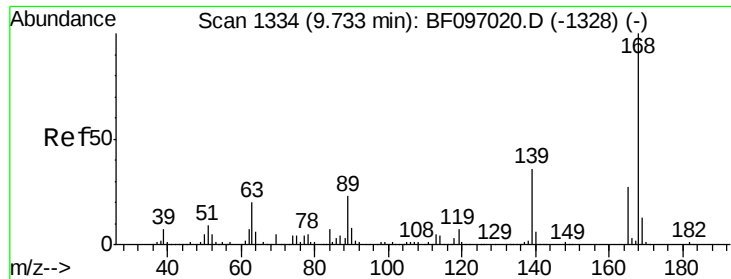
Tot Ion	Ion	Ratio	Lower	Upper
168	100			
139	39.0	30.6	45.8	
169	13.0	10.8	16.2	



#55
4-Nitrophenol
Concen: 59.16 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion	Ion	Ratio	Lower	Upper
139	100			
109	53.0	34.1	74.1	
65	103.7	31.4	71.4	

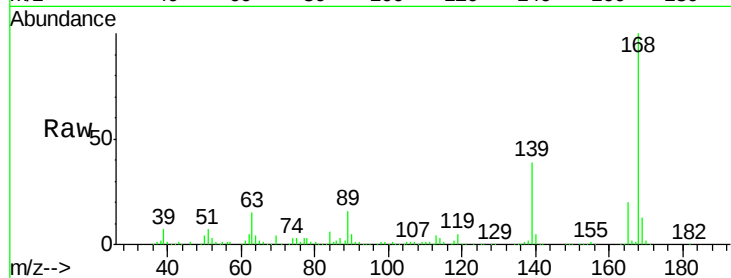




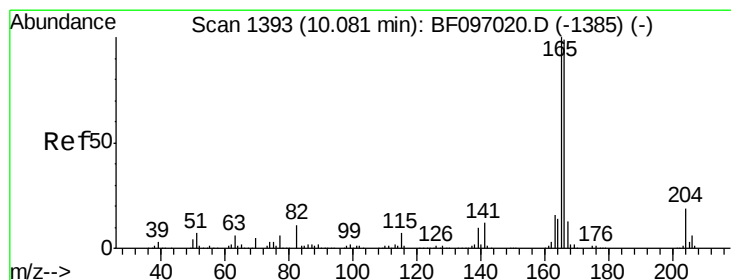
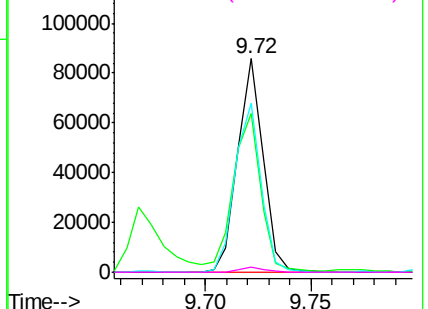
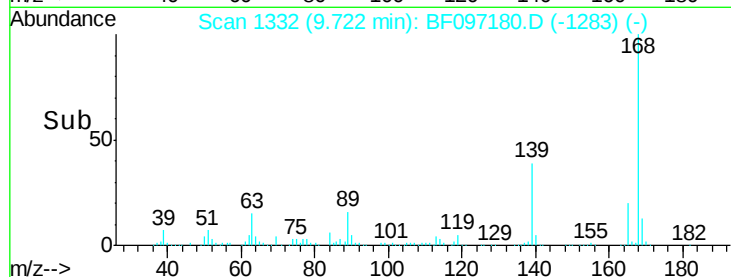
#56
 2,4-Dinitrotoluene
 Concen: 30.00 ng
 RT: 9.72 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24MSD

Tot Ion:165 Resp: 71297
 Ion Ratio Lower Upper
 165 100
 63 74.4 25.4 38.0#
 89 79.0 46.4 69.6#
 182 2.2 1.8 2.6

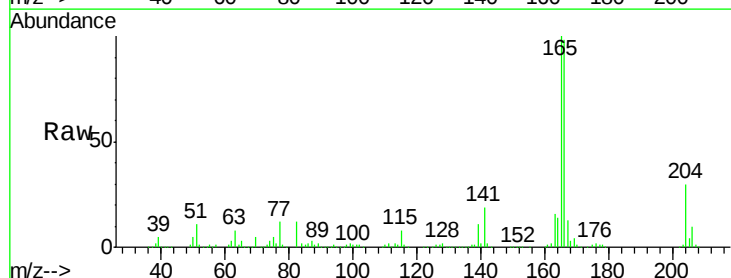


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

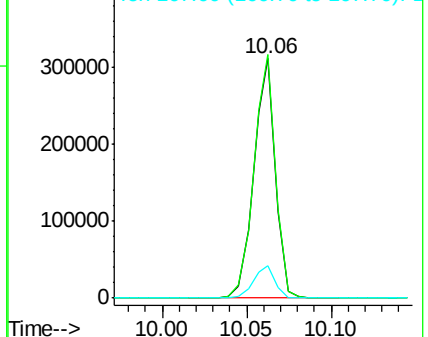
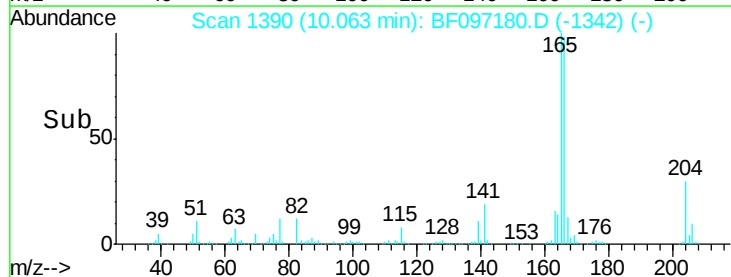


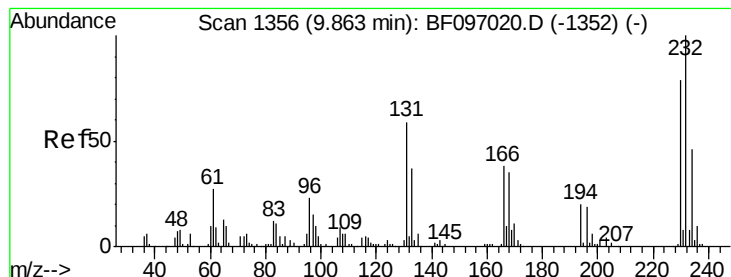
#57
 Fluorene
 Concen: 37.97 ng
 RT: 10.06 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF097180.D
 Acq: 29 Jul 2017 3:29

Tgt Ion:166 Resp: 277207
 Ion Ratio Lower Upper
 166 100
 165 101.6 78.8 118.2
 167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#58

2,3,4,6-Tetrachlorophenol

Concen: 35.21 ng

RT: 9.85 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion:232 Resp: 60390

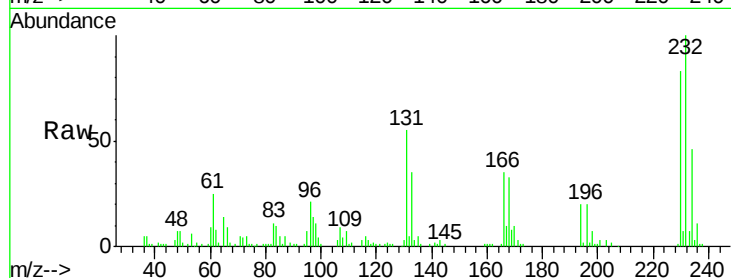
Ion Ratio Lower Upper

232 100

131 53.6 44.8 67.2

130 2.1 2.3 3.5#

166 33.6 29.0 43.4

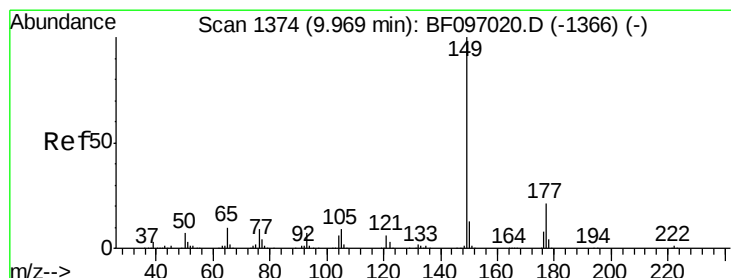
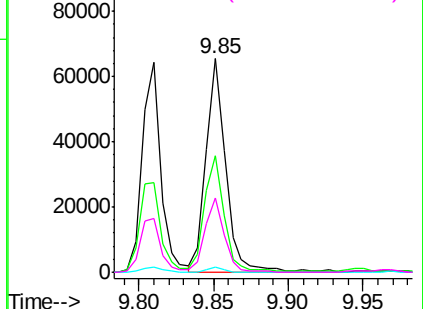
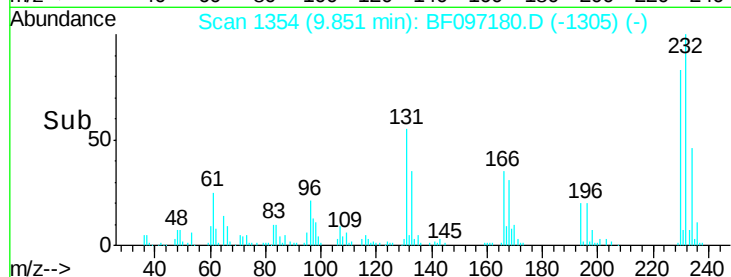


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 36.09 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

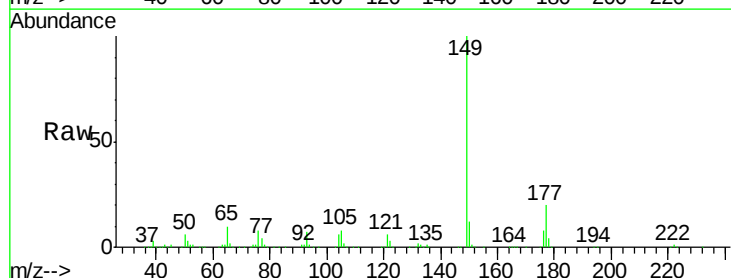
Tgt Ion:149 Resp: 322730

Ion Ratio Lower Upper

149 100

177 20.5 16.7 25.1

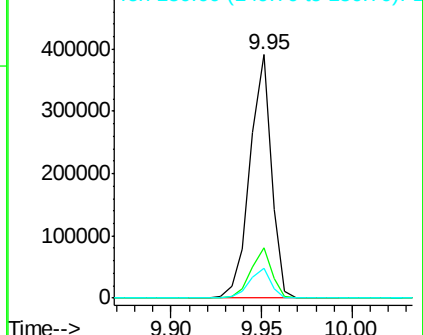
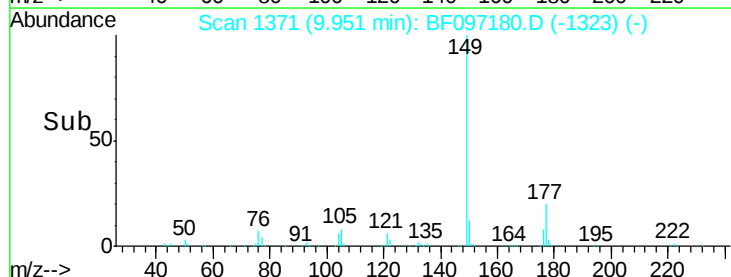
150 12.3 10.2 15.2

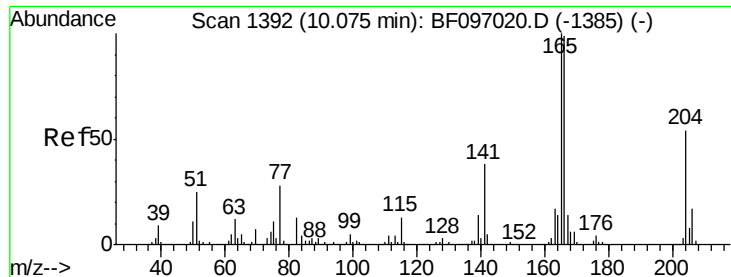


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

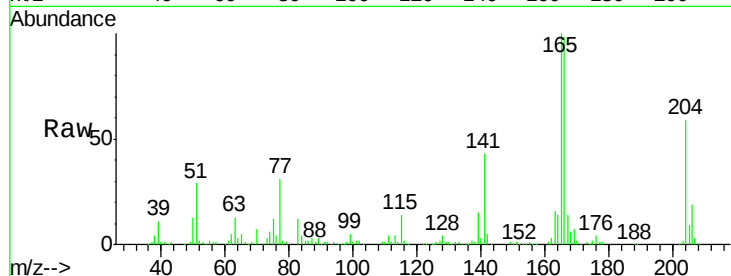




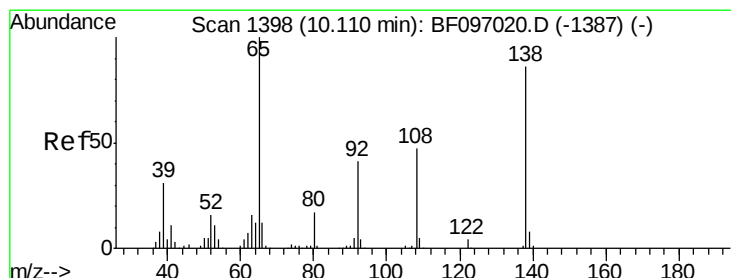
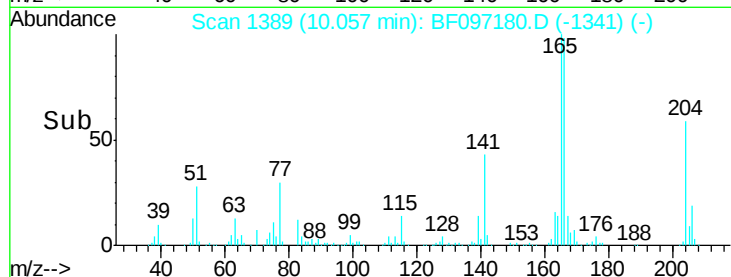
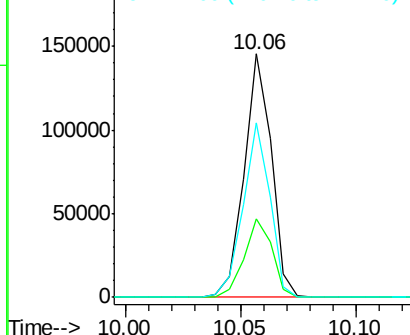
#60
4-Chlorophenyl-phenylether
Concen: 39.98 ng
RT: 10.06 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

Tot Ion:204 Resp: 120551
Ion Ratio Lower Upper
204 100
206 32.5 26.2 39.2
141 71.9 60.8 91.2

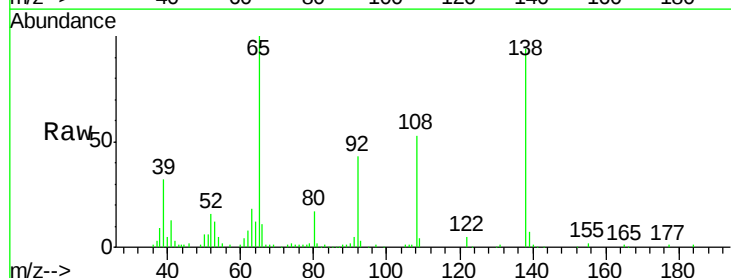


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

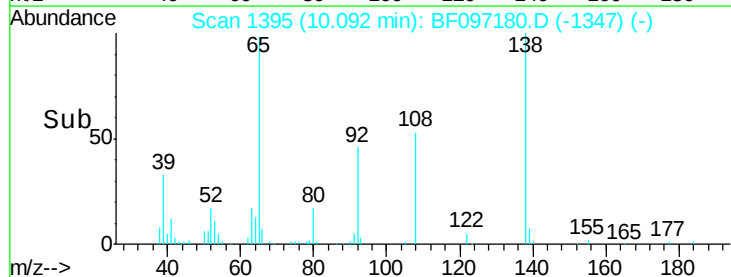
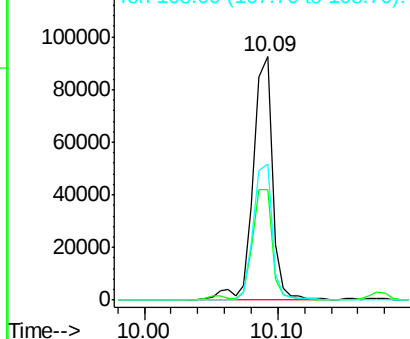


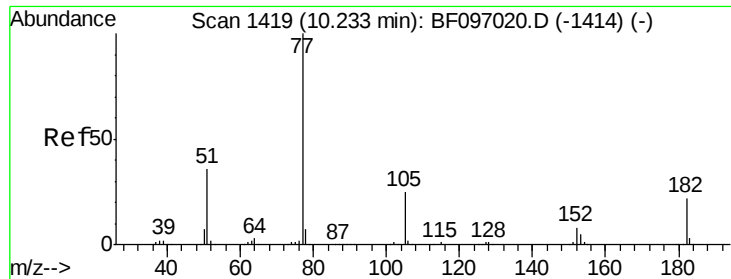
#61
4-Nitroaniline
Concen: 37.69 ng
RT: 10.09 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:138 Resp: 91893
Ion Ratio Lower Upper
138 100
92 45.6 21.8 61.8
108 55.8 42.3 82.3



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: 33.78 ng

RT: 10.22 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

Tot Ion: 77 Resp: 280213

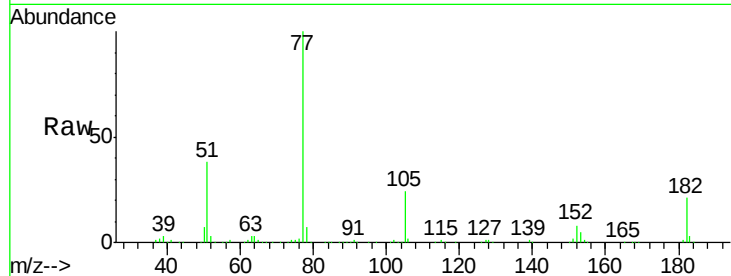
Ion Ratio Lower Upper

77 100

182 21.0 0.1 40.1

105 24.2 3.6 43.6

51 38.2 9.4 49.4

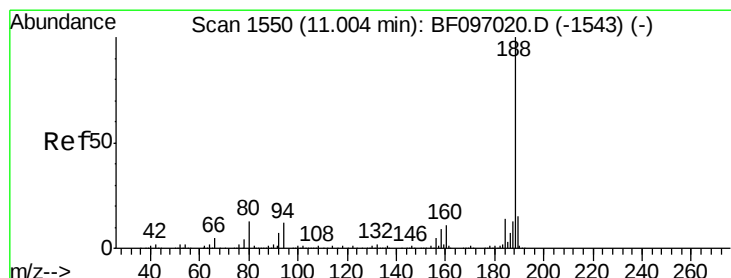
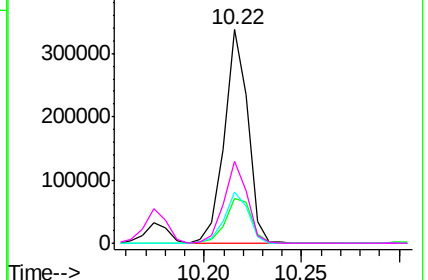
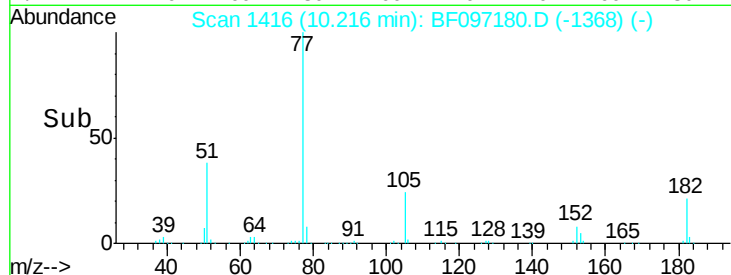


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

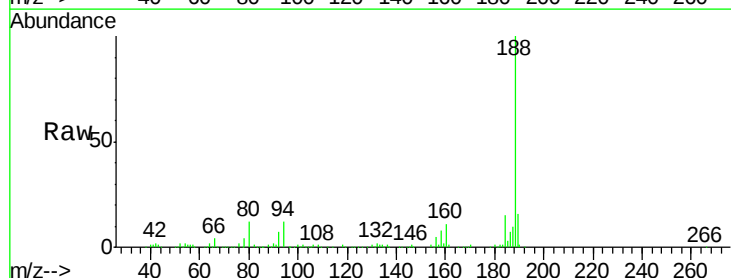
Tgt Ion: 188 Resp: 198975

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

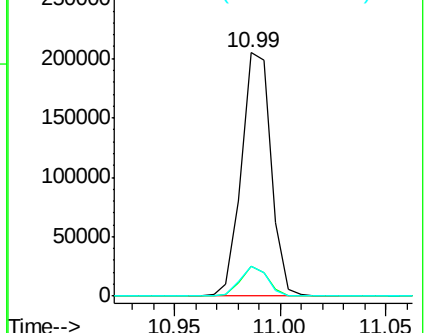
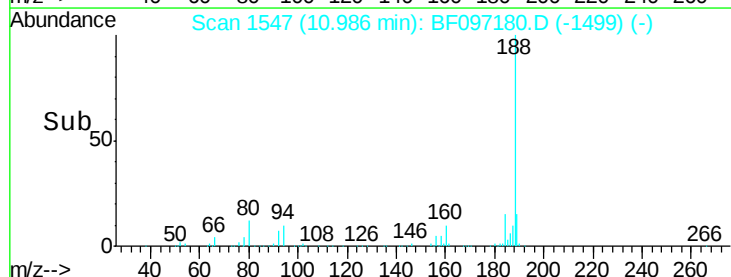
80 12.1 10.2 15.2

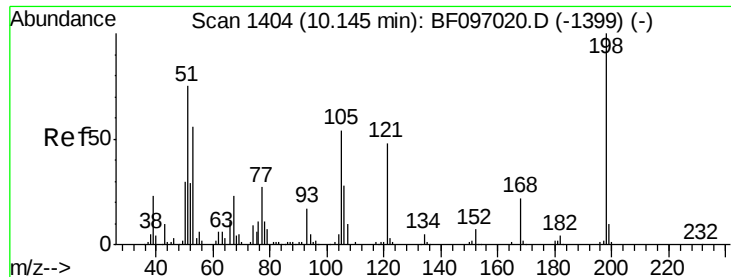


Abundance Ion 188.00 (187.70 to 188.70): BF0

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: 3.04 ng

RT: 10.14 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

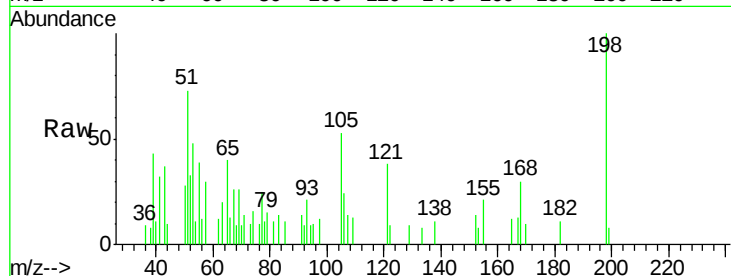
Tot Ion:198 Resp: 3758

Ion Ratio Lower Upper

198 100

51 72.8 53.2 93.2

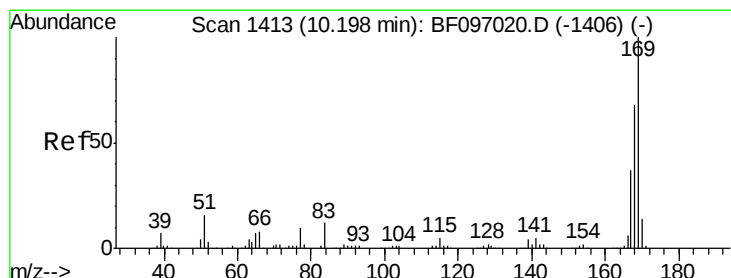
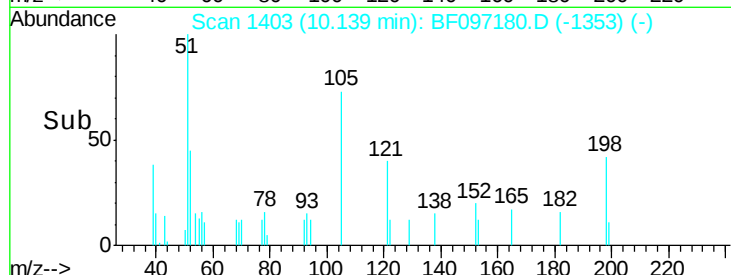
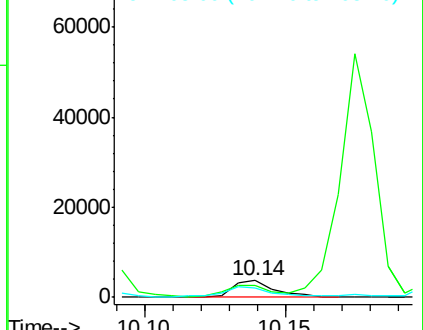
105 53.3 45.8 85.8



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: 35.38 ng

RT: 10.17 min Scan# 1409

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

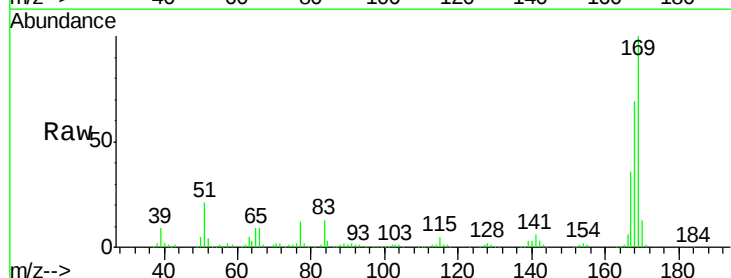
Tgt Ion:169 Resp: 244950

Ion Ratio Lower Upper

169 100

168 69.2 53.2 79.8

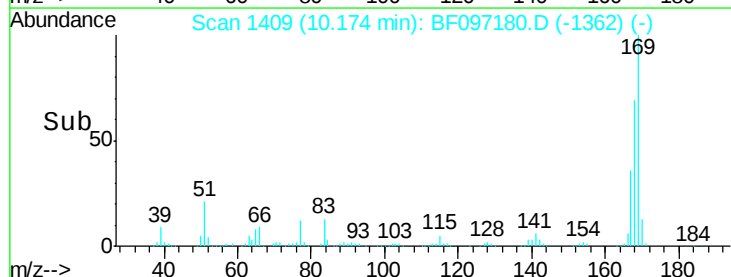
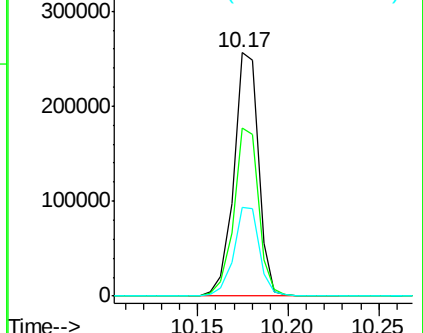
167 36.5 29.5 44.3

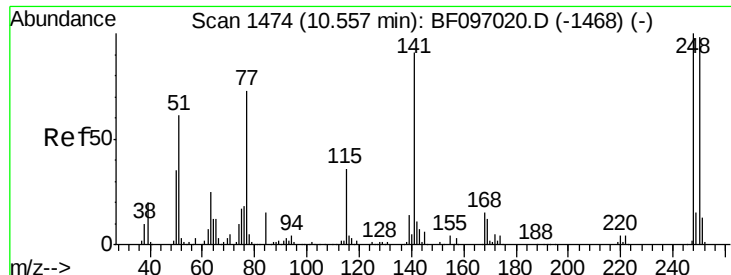


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 34.76 ng

RT: 10.55 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

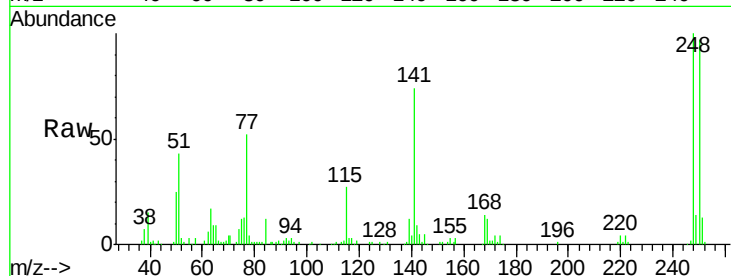
Tot Ion:248 Resp: 69029

Ion Ratio Lower Upper

248 100

250 97.4 76.8 115.2

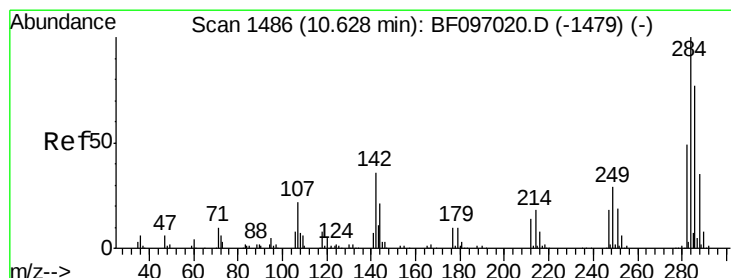
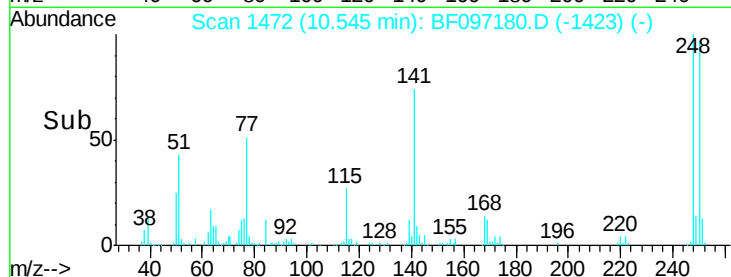
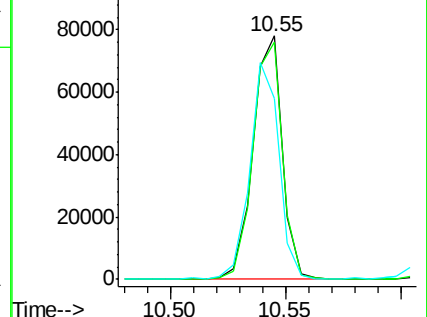
141 74.3 68.6 103.0



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: 31.40 ng

RT: 10.61 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

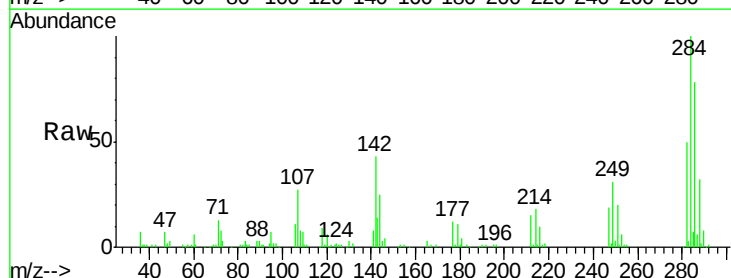
Tgt Ion:284 Resp: 69924

Ion Ratio Lower Upper

284 100

142 43.3 22.8 34.2#

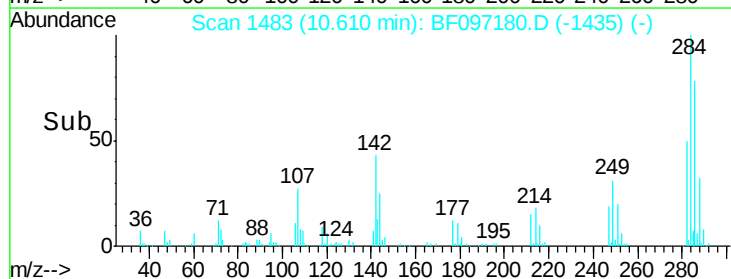
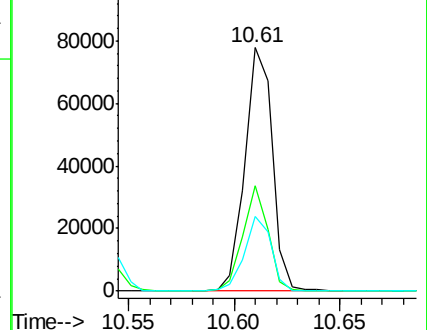
249 30.9 24.0 36.0

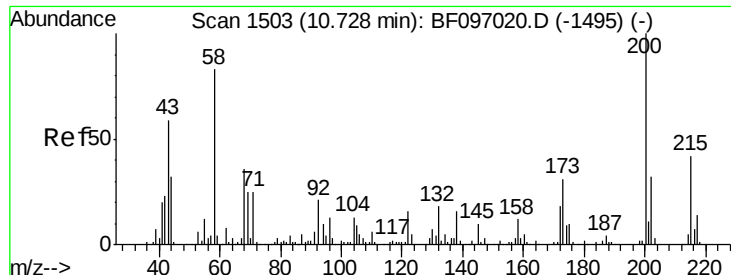


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 32.26 ng

RT: 10.71 min Scan# 1500

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

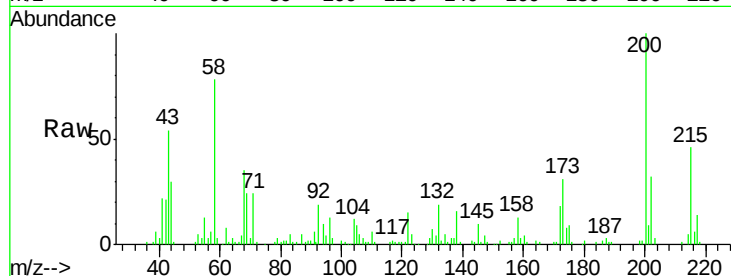
Tot Ion:200 Resp: 64046

Ion Ratio Lower Upper

200 100

173 30.7 6.3 46.3

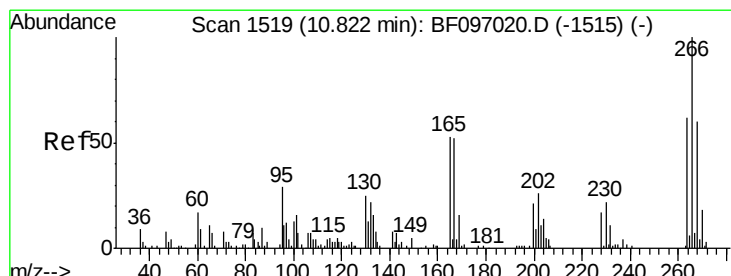
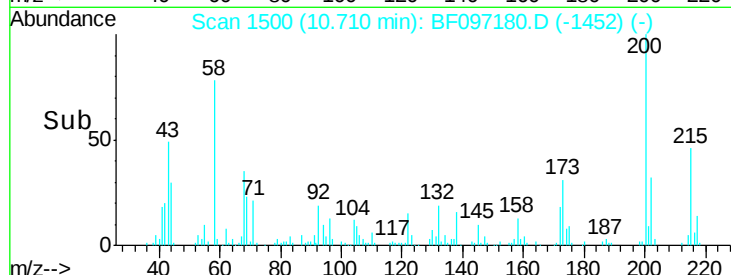
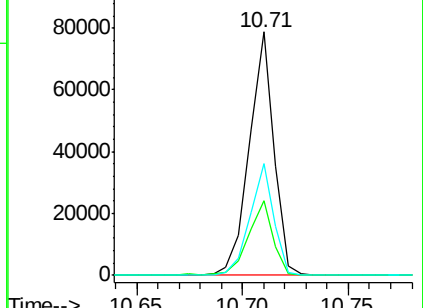
215 46.0 27.2 67.2



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: 62.09 ng

RT: 10.81 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

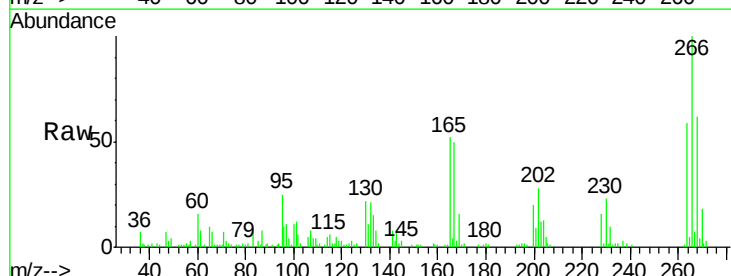
Tgt Ion:266 Resp: 57203

Ion Ratio Lower Upper

266 100

268 62.3 51.1 76.7

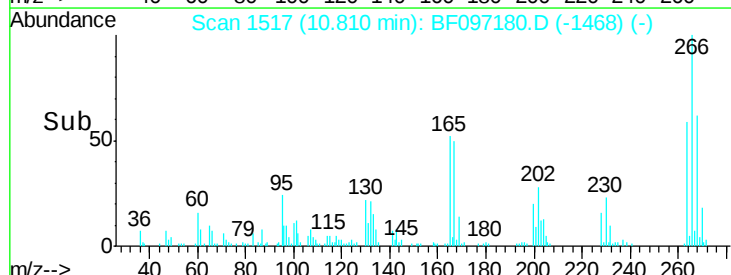
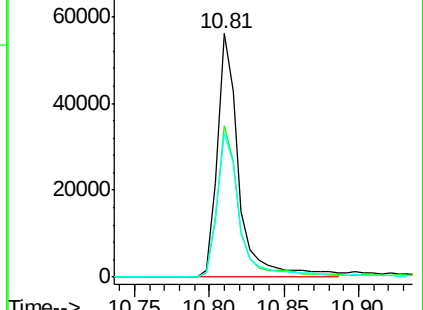
264 59.3 51.7 77.5

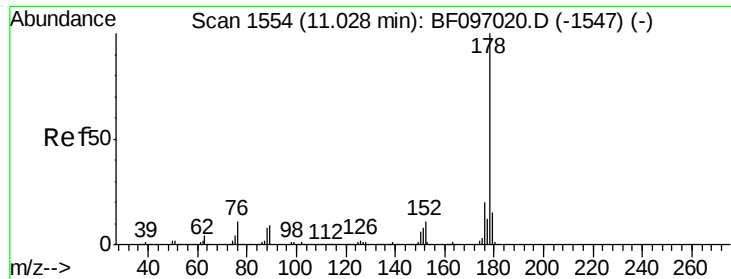


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 37.99 ng

RT: 11.02 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

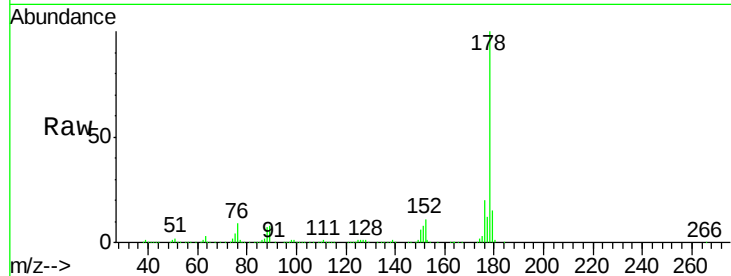
Tot Ion:178 Resp: 404977

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

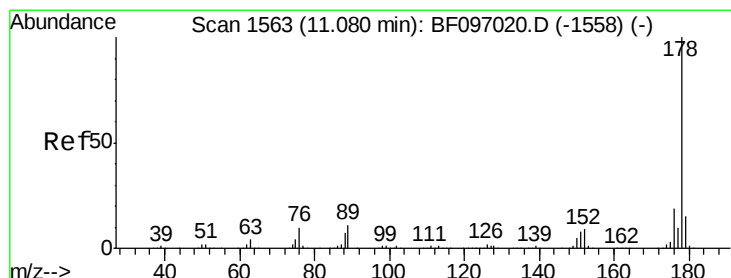
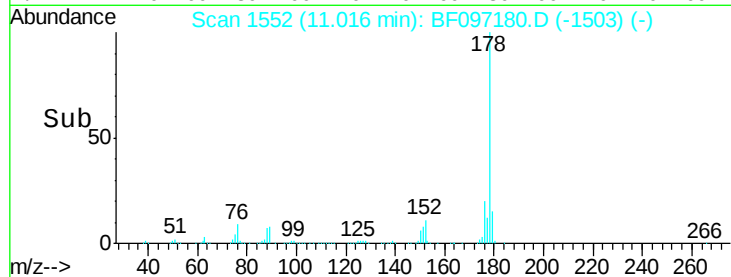
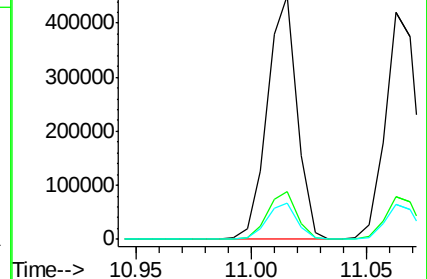
179 15.1 12.6 19.0



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: 35.81 ng

RT: 11.06 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

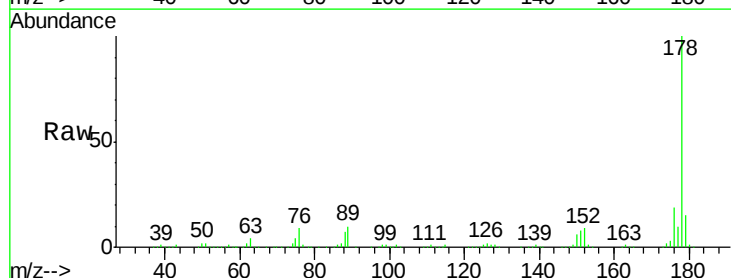
Tgt Ion:178 Resp: 390985

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

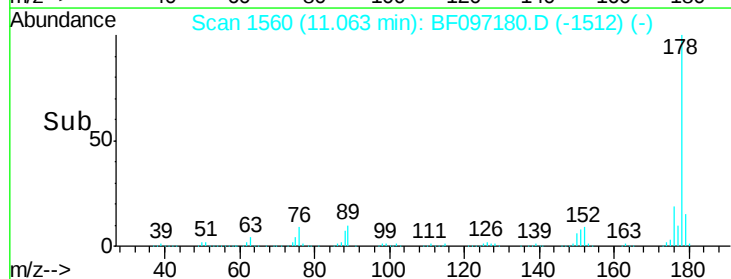
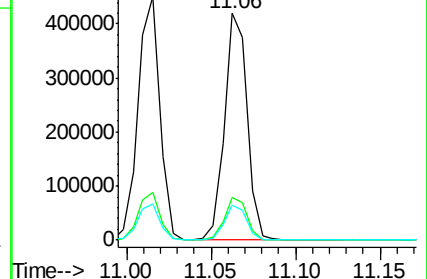
179 15.2 12.7 19.1

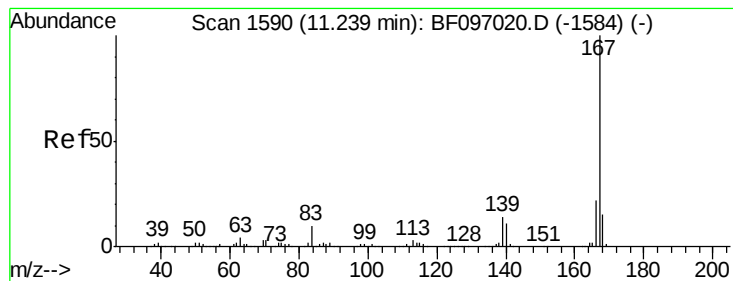


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 35.83 ng

RT: 11.23 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

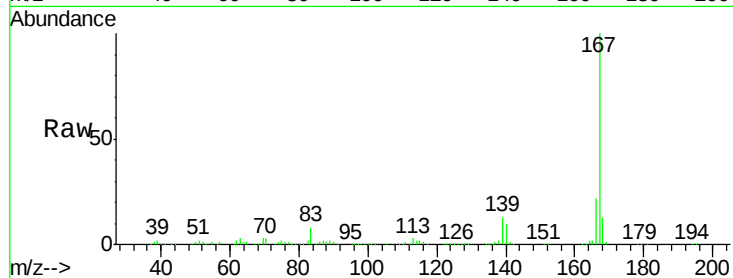
Tot Ion:167 Resp: 384825

Ion Ratio Lower Upper

167 100

166 21.7 18.1 27.1

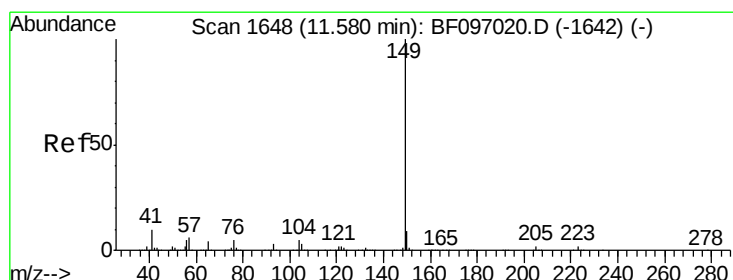
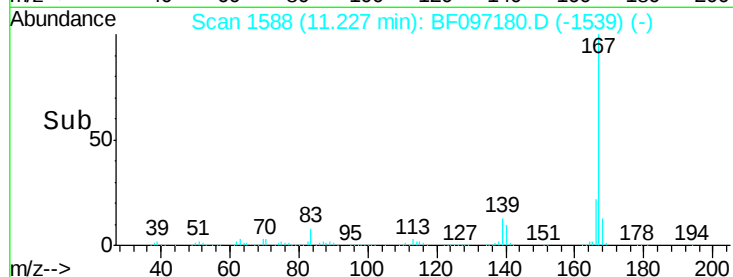
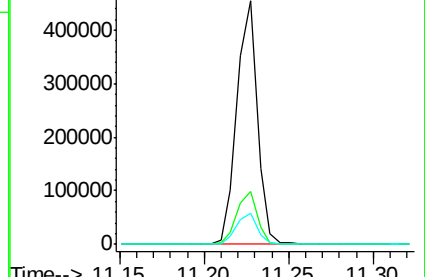
139 12.8 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 34.97 ng

RT: 11.57 min Scan# 1646

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

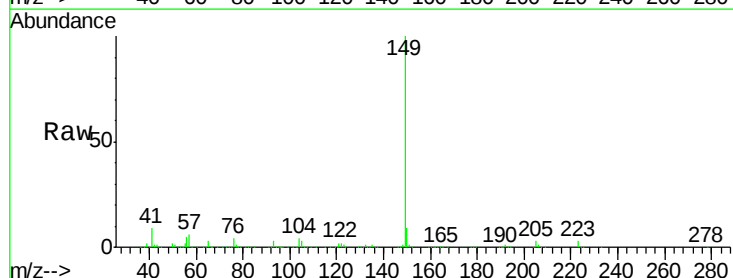
Tgt Ion:149 Resp: 464233

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

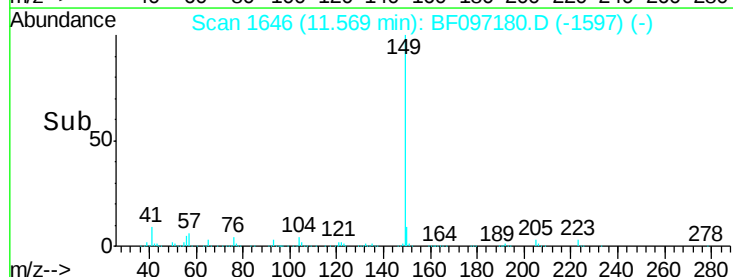
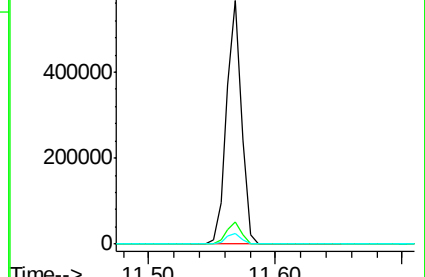
104 4.2 4.0 6.0

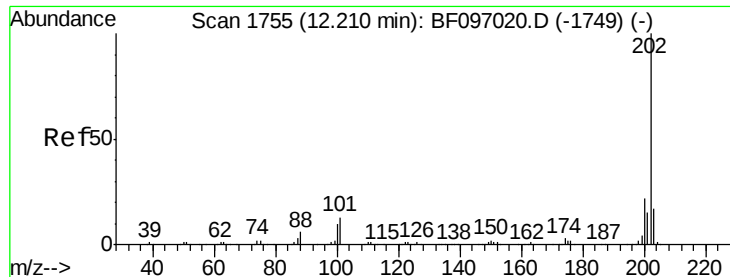


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 45.34 ng

RT: 12.20 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

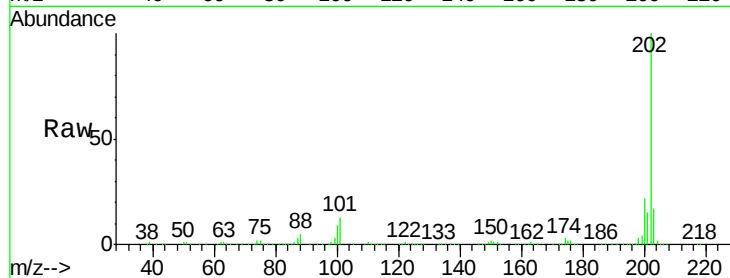
Tot Ion:202 Resp: 473532

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

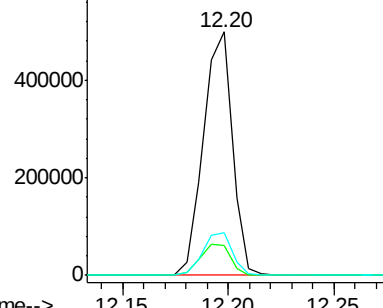
203 17.5 0.0 38.1



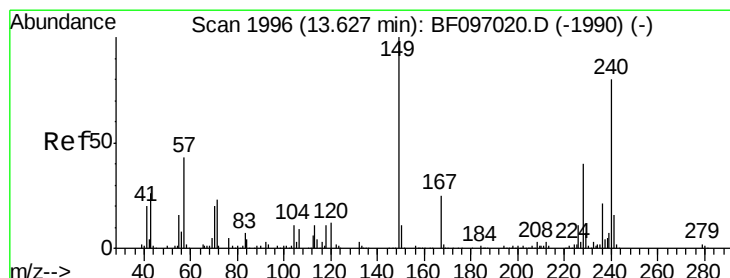
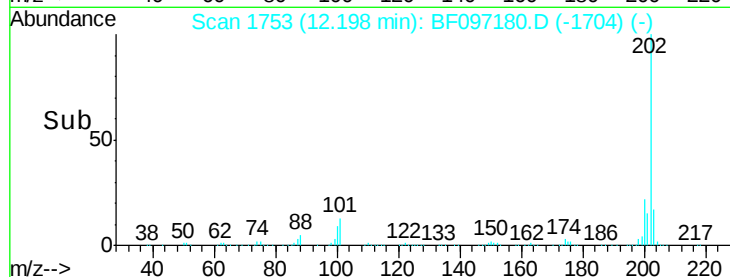
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

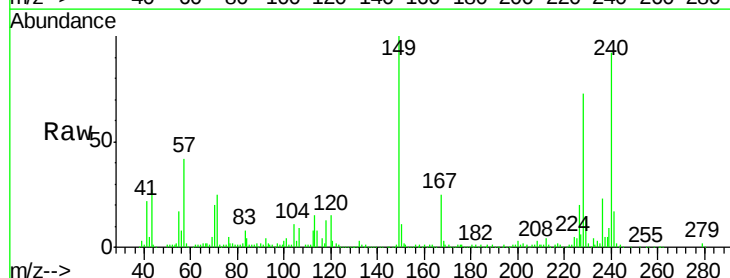
Tgt Ion:240 Resp: 167361

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

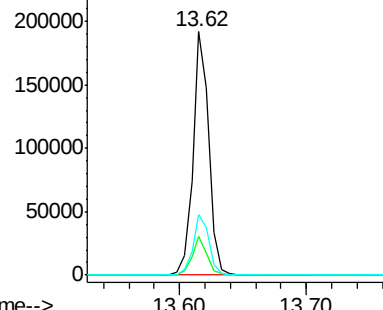
236 24.9 20.5 30.7



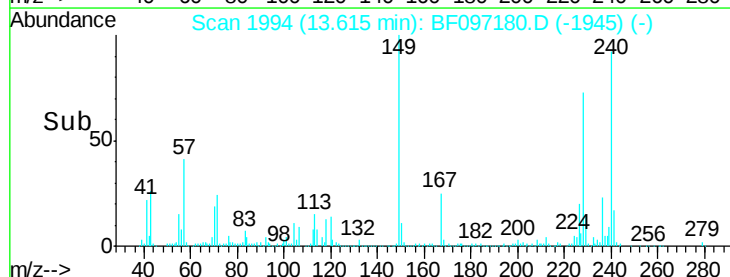
Abundance Ion 240.00 (239.70 to 240.70): E

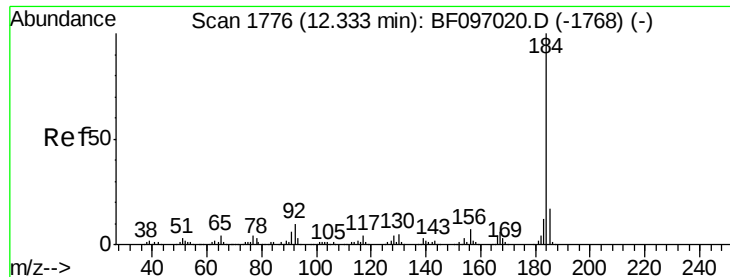
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#76

Benzidine

Concen: 48.52 ng

RT: 12.33 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

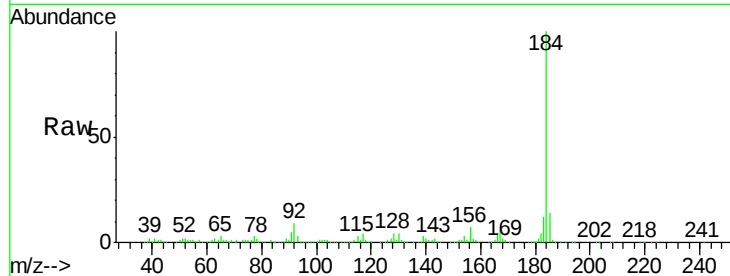
Tot Ion:184 Resp: 301328

Ion Ratio Lower Upper

184 100

185 13.6 15.5 23.3#

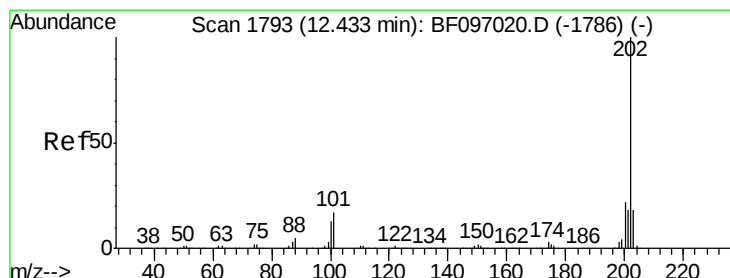
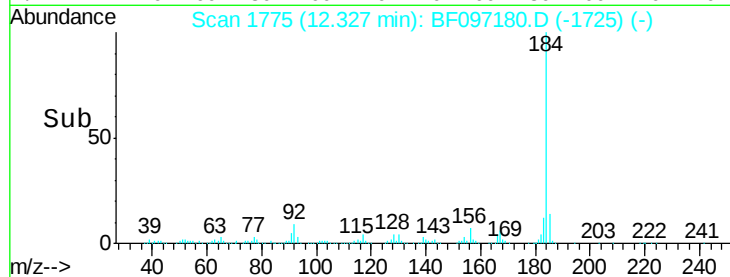
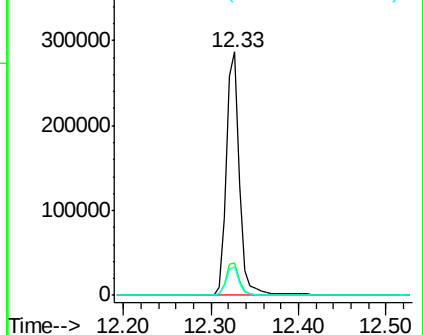
183 11.8 9.8 14.6



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: 37.81 ng

RT: 12.42 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

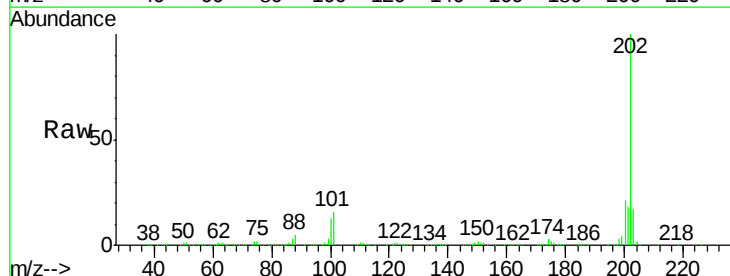
Tgt Ion:202 Resp: 518005

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

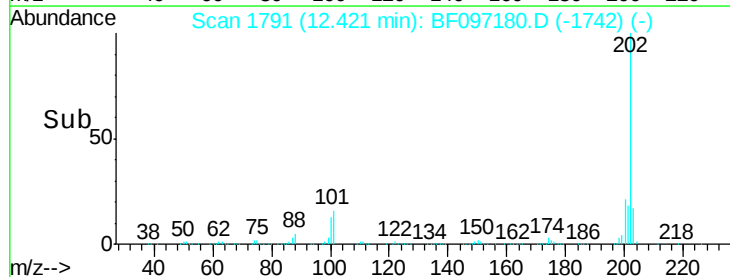
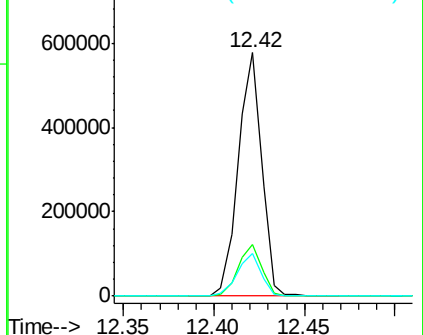
203 17.5 14.4 21.6

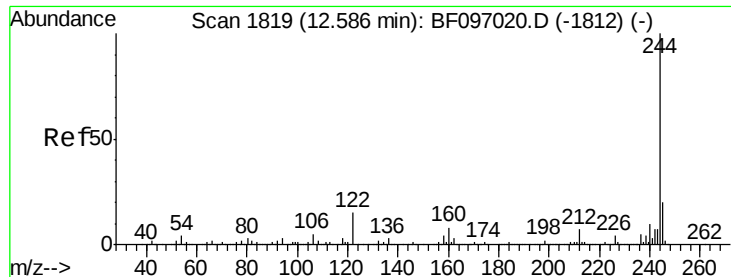


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.38 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

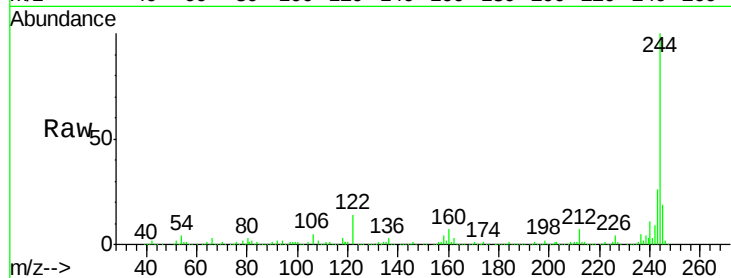
Tot Ion:244 Resp: 454604

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

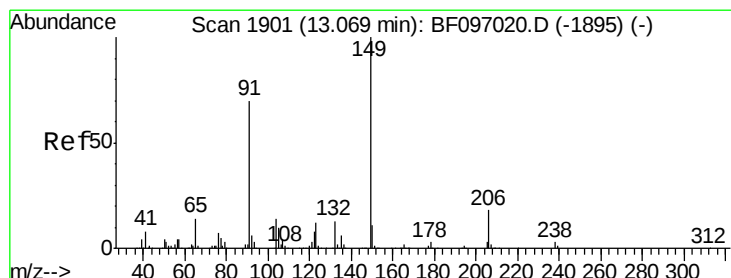
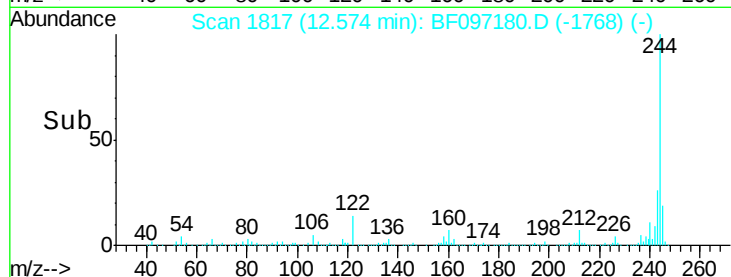
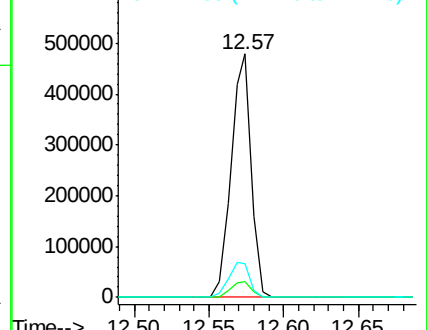
122 13.8 10.3 15.5



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: 29.24 ng

RT: 13.05 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

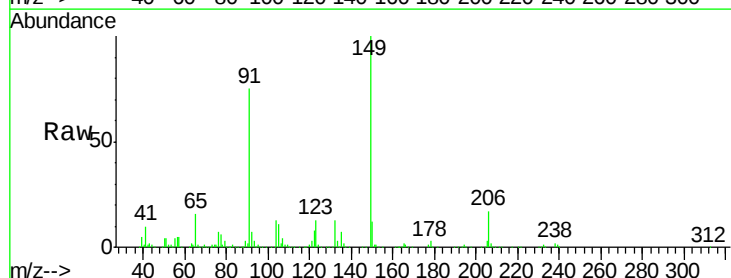
Tgt Ion:149 Resp: 203803

Ion Ratio Lower Upper

149 100

91 75.5 45.0 67.4#

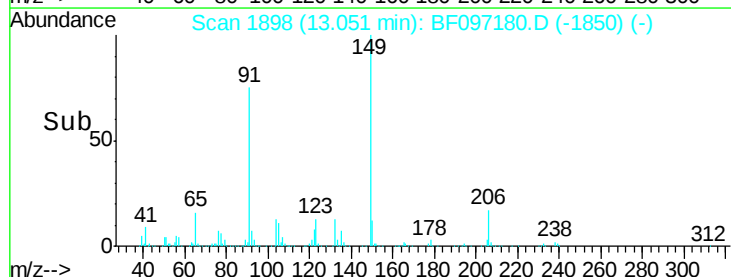
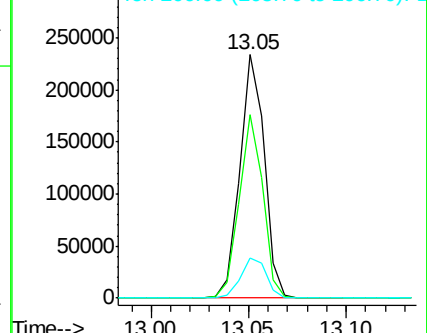
206 16.5 17.0 25.6#

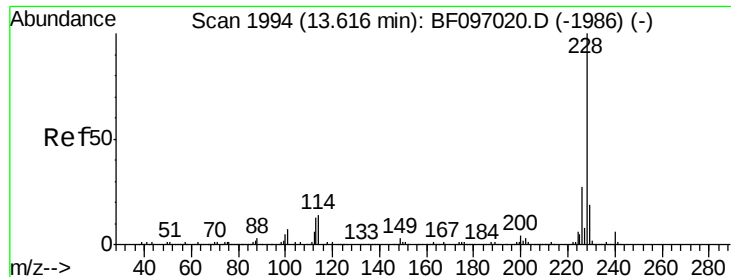


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 36.53 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

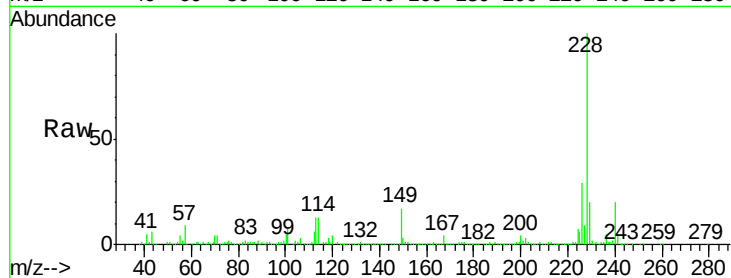
Tot Ion:228 Resp: 395583

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

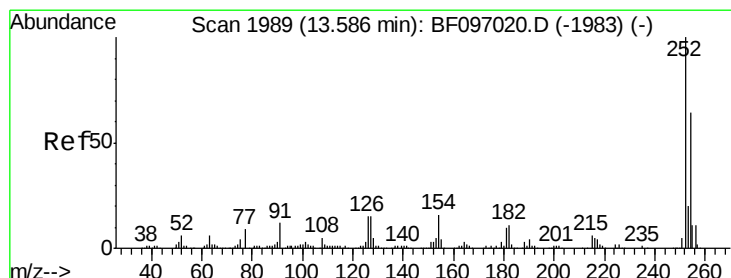
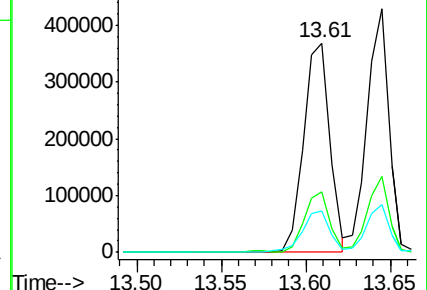
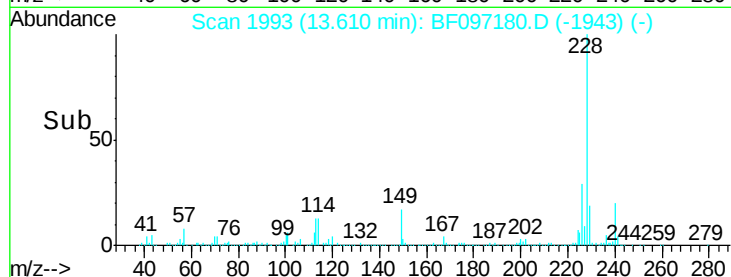
229 19.6 16.3 24.5



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: 31.66 ng

RT: 13.57 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

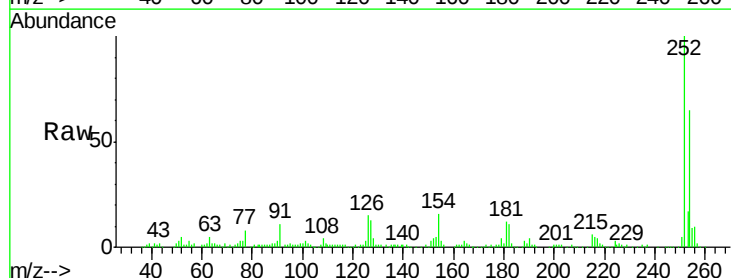
Tgt Ion:252 Resp: 129289

Ion Ratio Lower Upper

252 100

254 64.7 51.5 77.3

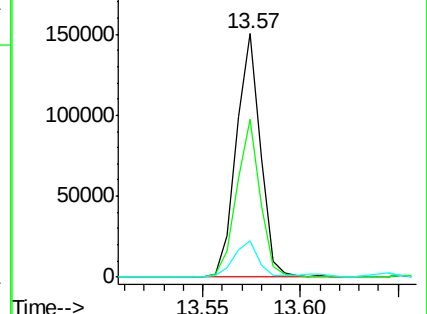
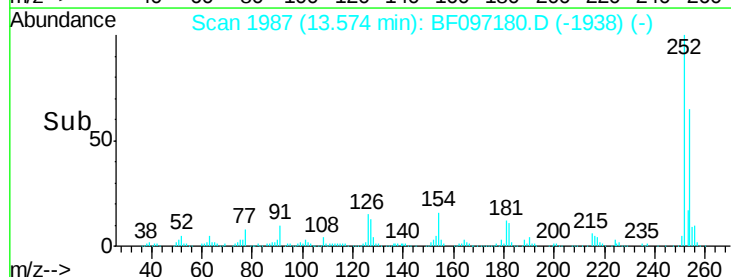
126 15.1 15.8 23.8#

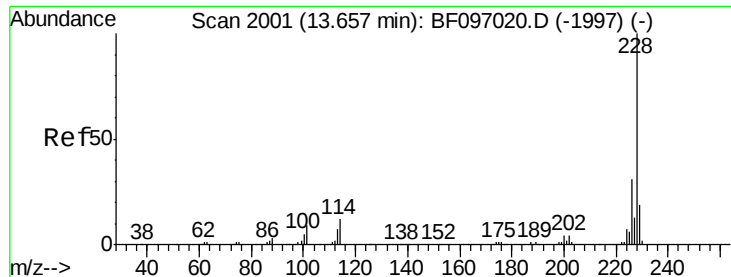


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrvsene

Concen: 36.44 ng

RT: 13.64 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

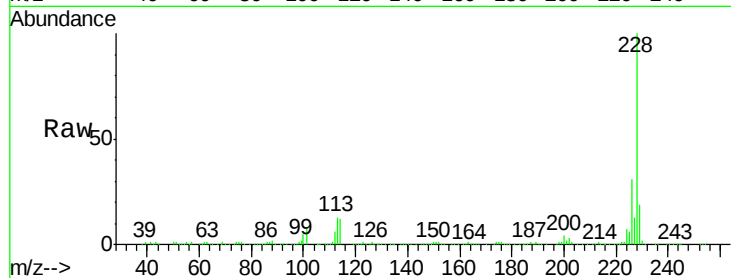
Tot Ion:228 Resp: 385349

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

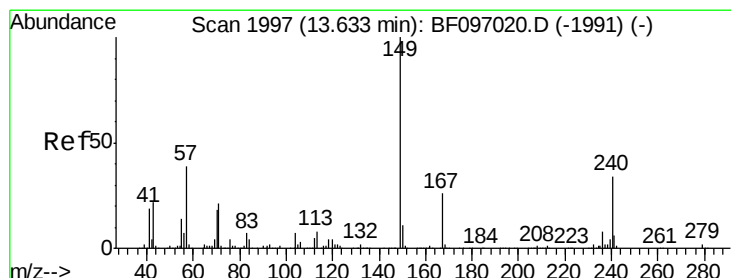
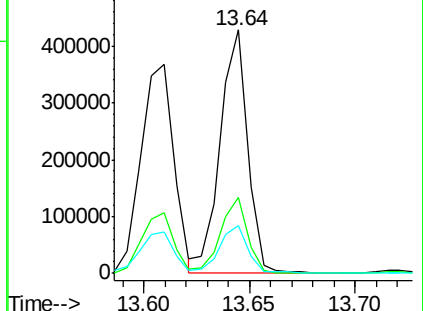
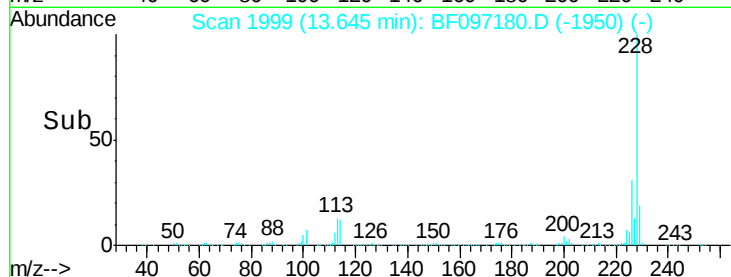
229 19.5 15.8 23.6



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: 30.51 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

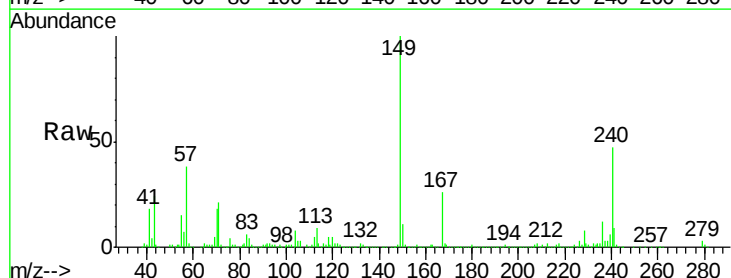
Tgt Ion:149 Resp: 277673

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

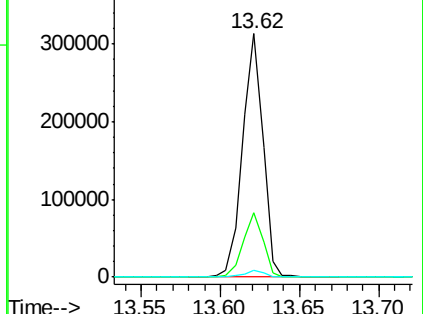
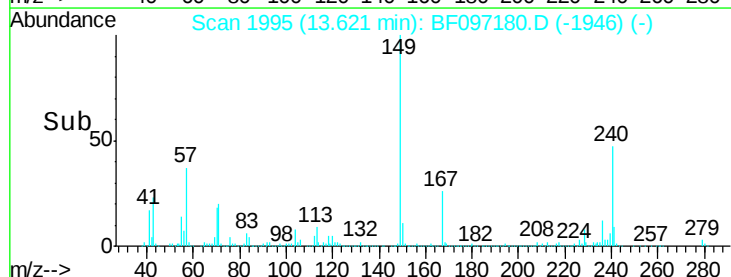
279 2.8 1.9 2.9

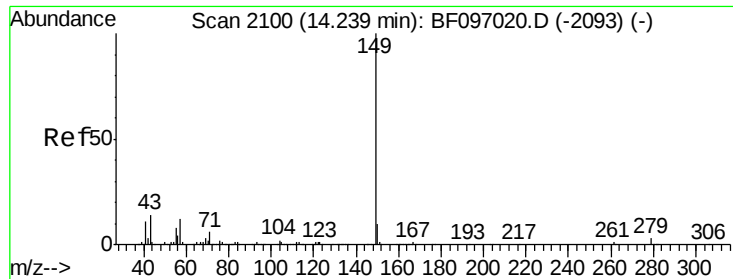


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

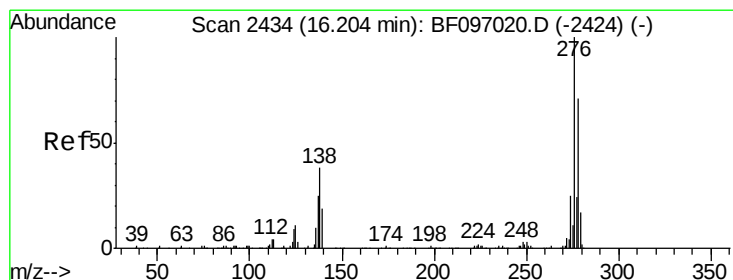
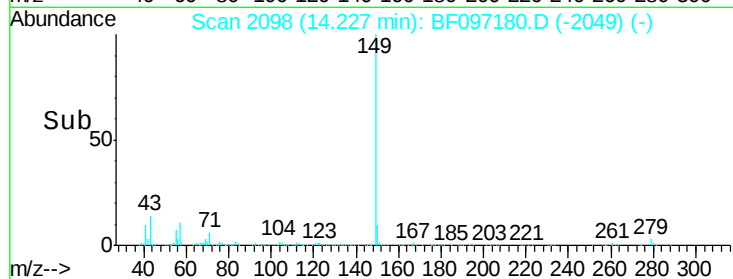
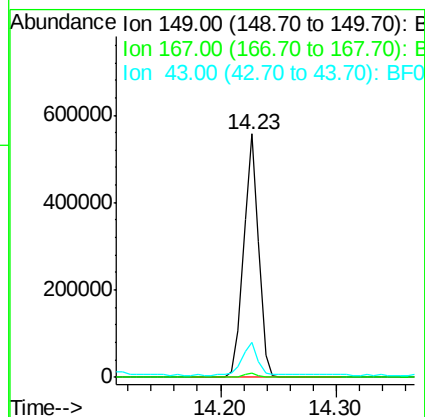
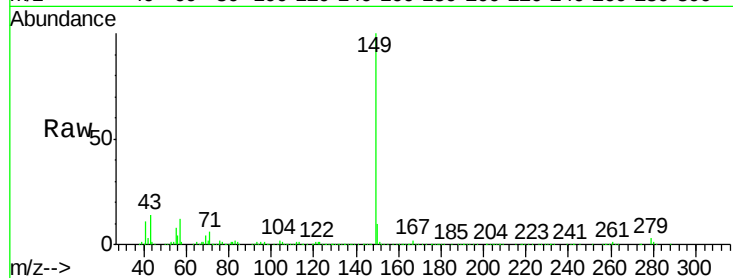




#84
Di-n-octyl phthalate
Concen: 29.64 ng
RT: 14.23 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

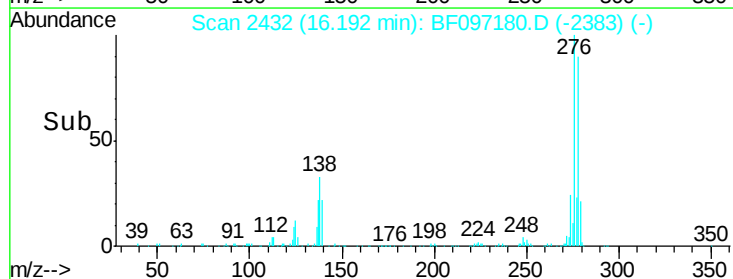
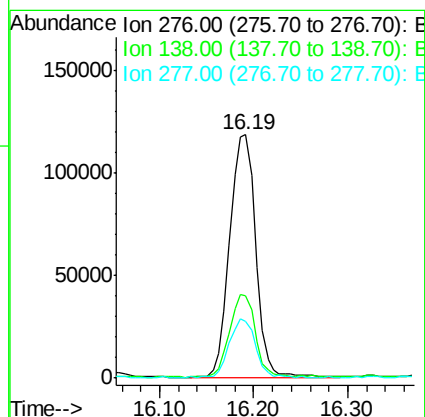
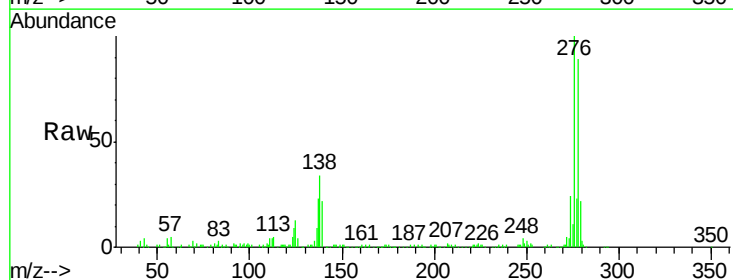
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

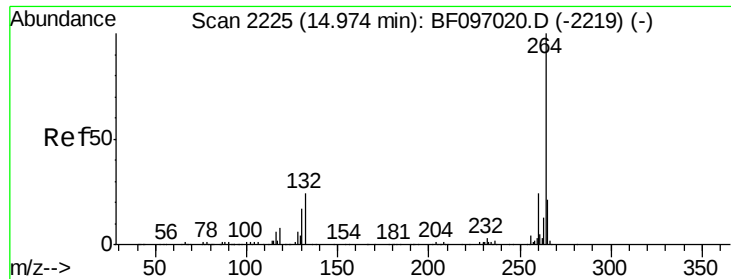
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	14.1	8.5	12.7



#85
Indeno(1,2,3-cd)pyrene
Concen: 25.28 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.8	41.6
277	25.4	20.2	30.4

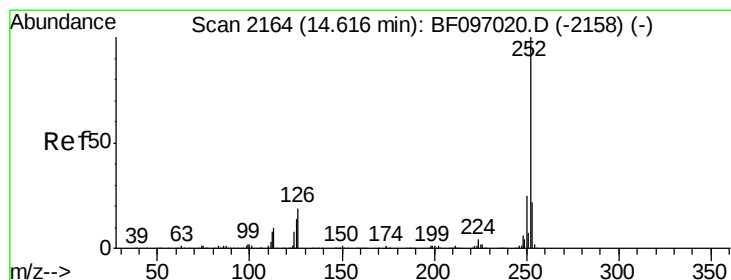
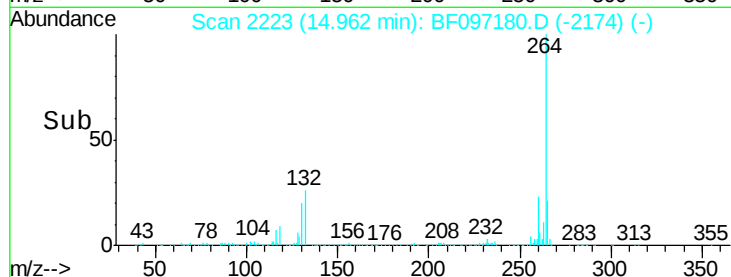
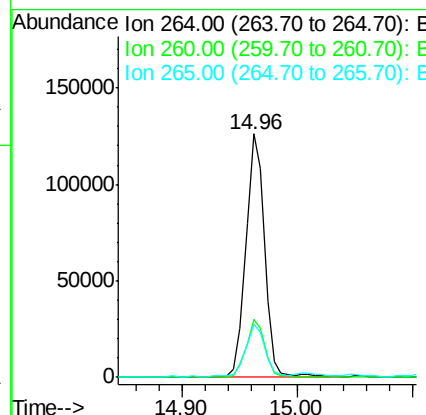
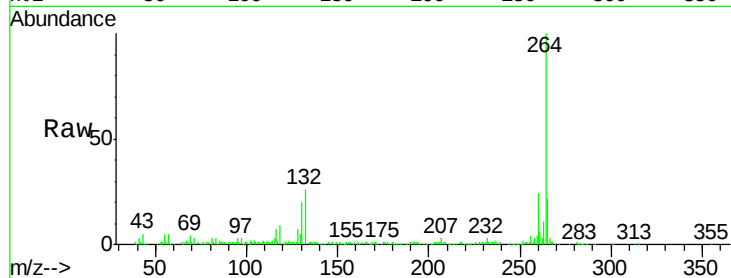




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

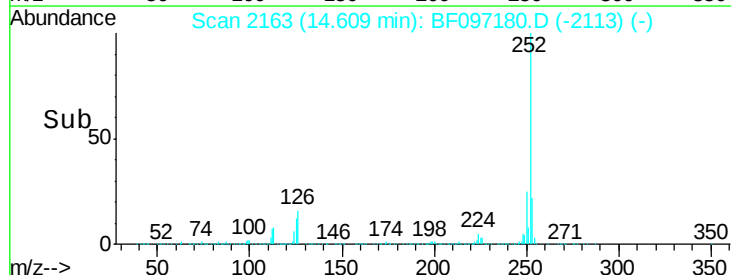
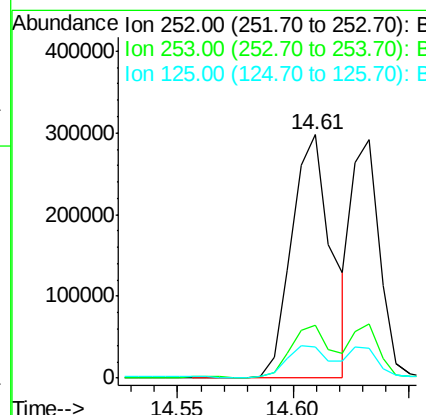
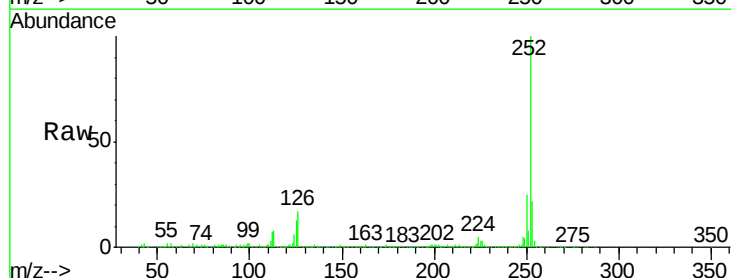
Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

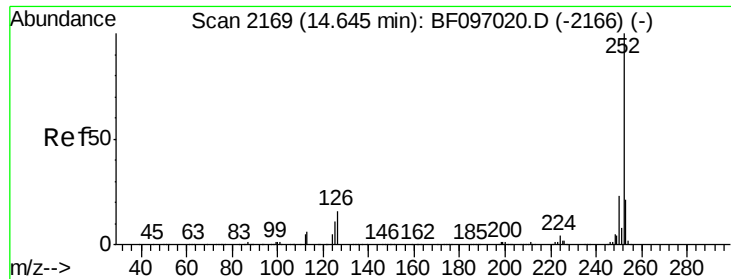
Tot Ion:264 Resp: 142637
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 41.48 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:252 Resp: 355634
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 12.7 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 30.21 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

Instrument :

BNA_F

ClientSampleId :

TP-18D24MSD

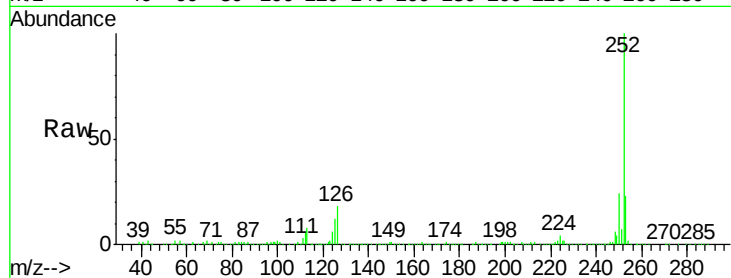
Tot Ion:252 Resp: 246852

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

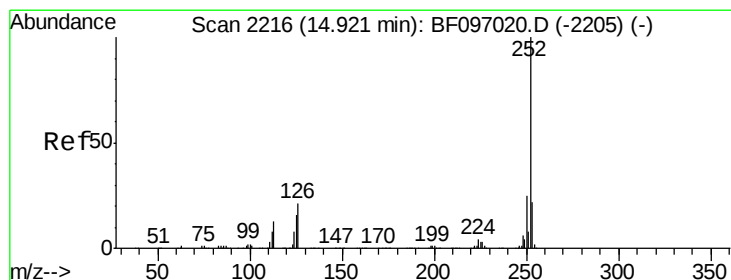
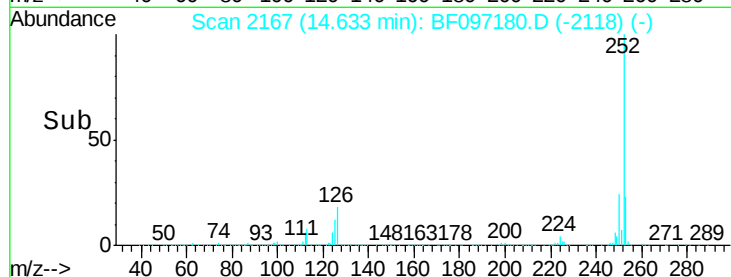
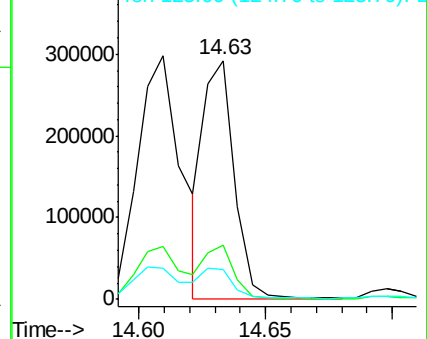
125 12.3 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 36.60 ng

RT: 14.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF097180.D

Acq: 29 Jul 2017 3:29

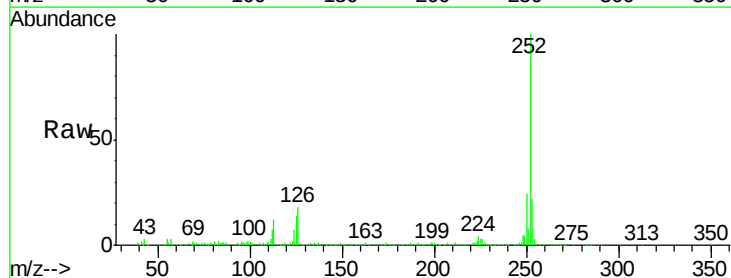
Tgt Ion:252 Resp: 287203

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

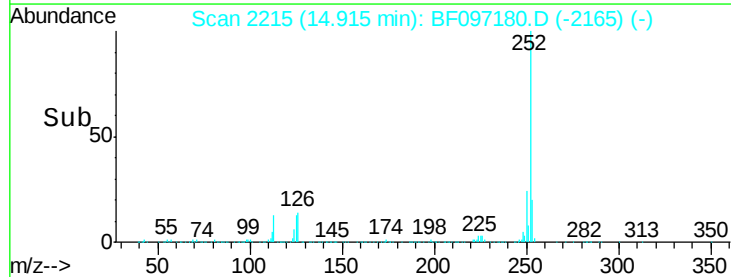
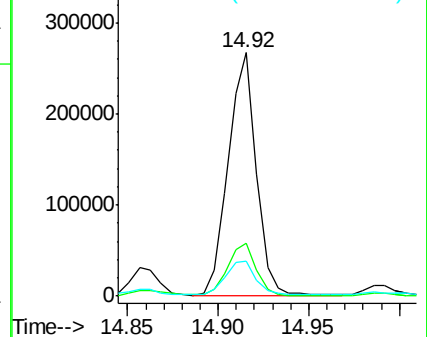
125 14.3 11.0 16.4

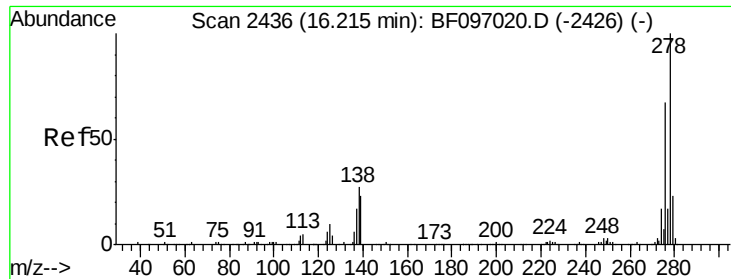


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

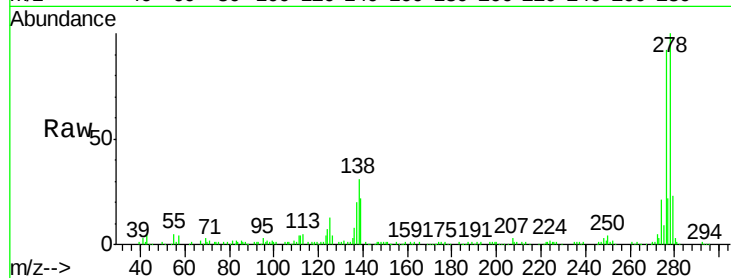




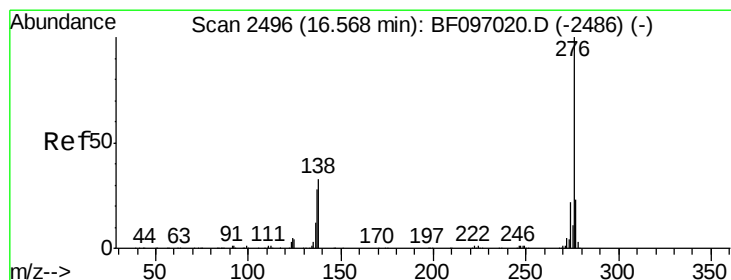
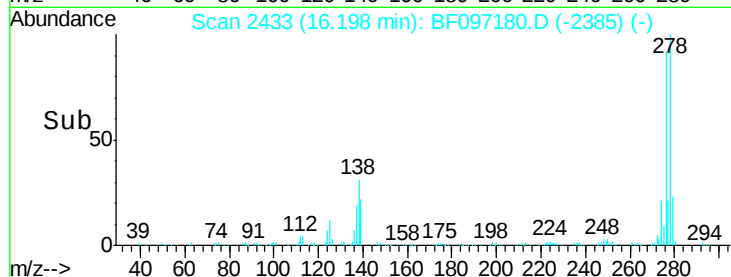
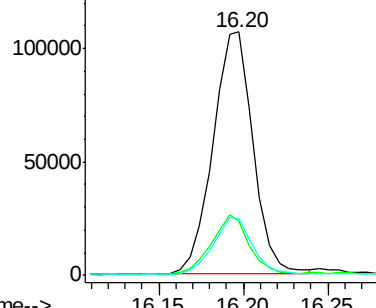
#90
Dibenzo(a,h)anthracene
Concen: 27.36 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Instrument :
BNA_F
ClientSampleId :
TP-18D24MSD

Tot Ion:278 Resp: 176090
Ion Ratio Lower Upper
278 100
139 22.2 16.6 24.8
279 23.0 19.3 28.9

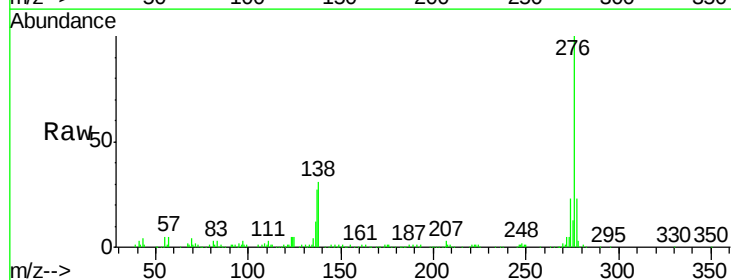


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 27.85 ng
RT: 16.55 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BF097180.D
Acq: 29 Jul 2017 3:29

Tgt Ion:276 Resp: 187968
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 30.5 25.4 38.0



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

