

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097882.D
 Acq On : 19 Aug 2017 16:47
 Operator : SJ/JU
 Sample : I4846-06MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

Quant Time: Aug 21 02:40:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	154795	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	641515	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	287566	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	505687	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	280090	20.00	ng	-0.03
86) Perylene-d12	15.33	264	273141	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	981512	96.45	ng	-0.01
7) Phenol-d6	6.40	99	1358730	98.26	ng	0.00
23) Nitrobenzene-d5	7.33	82	886018	75.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	254235	101.89	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1283315	65.57	ng	-0.02
78) Terphenyl-d14	12.86	244	910513	67.79	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	101933	17.96	ng	92
3) Pyridine	3.22	79	261145	16.64	ng	86
4) n-Nitrosodimethylamine	3.16	42	125561	20.80	ng	81
6) Aniline	6.43	93	315511	16.24	ng	97
8) 2-Chlorophenol	6.55	128	258198	24.06	ng	99
9) Benzaldehyde	6.31	77	98927	11.30	ng	92
10) Phenol	6.42	94	385870	23.86	ng	98
11) bis(2-Chloroethyl)ether	6.50	93	287322	23.54	ng	97
12) 1,3-Dichlorobenzene	6.70	146	249936	21.65	ng	# 93
13) 1,4-Dichlorobenzene	6.78	146	254568	21.68	ng	94
14) 1,2-Dichlorobenzene	6.93	146	239065	22.08	ng	99
15) Benzyl Alcohol	6.90	79	269547	26.04	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.04	45	392965	23.93	ng	91
17) 2-Methylphenol	7.02	107	238859	25.26	ng	96
18) Hexachloroethane	7.27	117	105910	23.01	ng	# 81
19) n-Nitroso-di-n-propylamine	7.18	70	221847	23.44	ng	90
20) 3+4-Methylphenols	7.17	107	285125	24.68	ng	# 84
22) Acetophenone	7.17	105	386517	22.81	ng	# 90
24) Nitrobenzene	7.35	77	340009	25.86	ng	92
25) Isophorone	7.59	82	625012	25.45	ng	97
26) 2-Nitrophenol	7.66	139	128742	29.32	ng	# 77
27) 2,4-Dimethylphenol	7.70	122	231812	22.64	ng	93
28) bis(2-Chloroethoxy)methane	7.80	93	391038	24.22	ng	98
29) 2,4-Dichlorophenol	7.90	162	212092	24.95	ng	94
30) 1,2,4-Trichlorobenzene	7.99	180	214459	22.76	ng	98
31) Naphthalene	8.07	128	757816	22.75	ng	100
32) Benzoic acid	7.80	122	126920	21.14	ng	84
33) 4-Chloroaniline	8.12	127	199528	14.21	ng	99
34) Hexachlorobutadiene	8.19	225	126781	23.04	ng	98
35) Caprolactam	8.48	113	59960	20.75	ng	99
36) 4-Chloro-3-methylphenol	8.60	107	261549	23.95	ng	# 79
37) 2-Methylnaphthalene	8.76	142	512171	25.08	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	206736	23.43	ng	# 98
40) Hexachlorocyclopentadiene	8.91	237	166295	39.22	ng	99

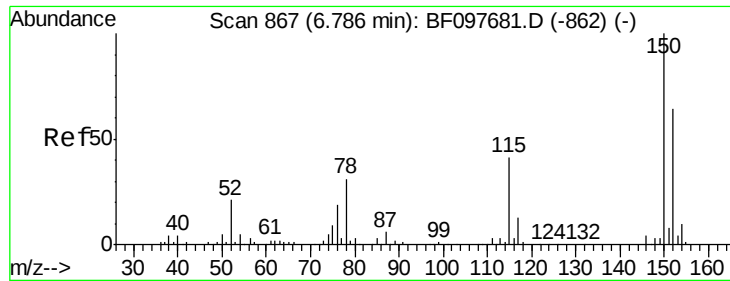
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.03	196	145947	24.63	nq	100
43) 2,4,5-Trichlorophenol	9.07	196	154076	26.21	nq	95
45) 1,1'-Biphenyl	9.22	154	605738	23.10	nq	96
46) 2-Chloronaphthalene	9.25	162	438369	22.62	nq	# 92
47) 2-Nitroaniline	9.34	65	174084	26.80	nq	93
48) Acenaphthylene	9.66	152	712742	23.42	nq	100
49) Dimethylphthalate	9.53	163	691725	32.91	nq	99
50) 2,6-Dinitrotoluene	9.59	165	113409	27.03	nq	# 66
51) Acenaphthene	9.83	154	458659	23.90	nq	99
52) 3-Nitroaniline	9.75	138	97450	18.00	nq	88
53) 2,4-Dinitrophenol	9.85	184	53362	33.49	nq	# 76
54) Dibenzofuran	10.00	168	641017	24.92	nq	99
55) 4-Nitrophenol	9.91	139	181362	42.00	nq	# 31
56) 2,4-Dinitrotoluene	9.99	165	143308	27.22	nq	# 56
57) Fluorene	10.35	166	459518	23.11	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.12	232	120340	26.44	nq	96
59) Diethylphthalate	10.22	149	578547	26.32	nq	98
60) 4-Chlorophenyl-phenylether	10.34	204	226684	24.54	nq	88
61) 4-Nitroaniline	10.36	138	111356	21.64	nq	# 72
62) Azobenzene	10.50	77	664119	25.43	nq	93
64) 4,6-Dinitro-2-methylphenol	10.39	198	42319	23.00	nq	# 75
65) n-Nitrosodiphenylamine	10.46	169	432331	25.11	nq	99
66) 4-Bromophenyl-phenylether	10.83	248	137738	26.23	nq	97
67) Hexachlorobenzene	10.89	284	124740	23.31	nq	# 90
68) Atrazine	10.99	200	133422	29.22	nq	96
69) Pentachlorophenol	11.09	266	127275	40.78	nq	98
70) Phenanthrene	11.30	178	679977	25.23	nq	100
71) Anthracene	11.36	178	650071	23.79	nq	100
72) Carbazole	11.51	167	575947	22.20	nq	99
73) Di-n-butylphthalate	11.85	149	866402	28.99	nq	99
74) Fluoranthene	12.49	202	645119	22.94	nq	98
76) Benzidine	12.61	184	154132	16.78	nq	# 93
77) Pyrene	12.72	202	626539	27.35	nq	99
79) Butylbenzylphthalate	13.34	149	295569	33.65	nq	# 68
80) Benzo(a)anthracene	13.90	228	402769	23.99	nq	100
81) 3,3'-Dichlorobenzidine	13.86	252	114035	20.13	nq	# 97
82) Chrysene	13.93	228	412755	24.72	nq	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	383310	39.38	nq	99
84) Di-n-octyl phthalate	14.51	149	635565	37.53	nq	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	403529	32.85	nq	93
87) Benzo(b)fluoranthene	14.92	252	432543	25.12	nq	98
89) Benzo(a)pyrene	15.27	252	388219	25.47	nq	97
90) Dibenzo(a,h)anthracene	16.73	278	318642	25.68	nq	98
91) Benzo(g,h,i)perylene	17.13	276	320616	24.76	nq	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

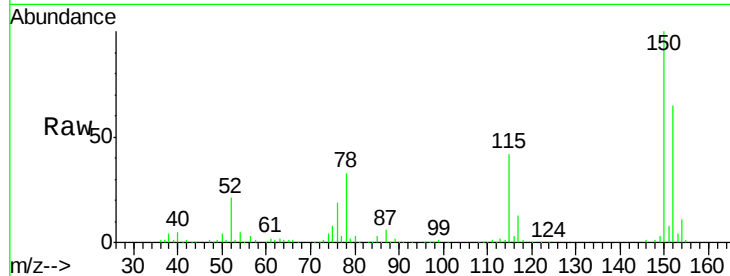
Tot Ion:152 Resp: 154795

Ion Ratio Lower Upper

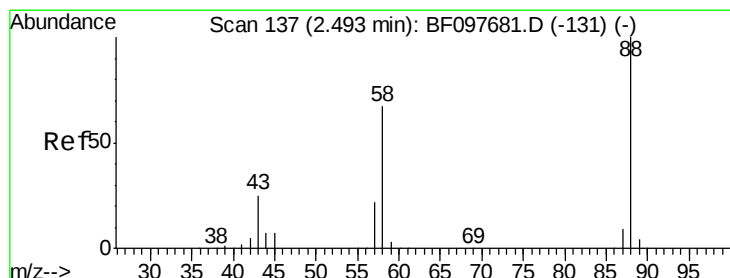
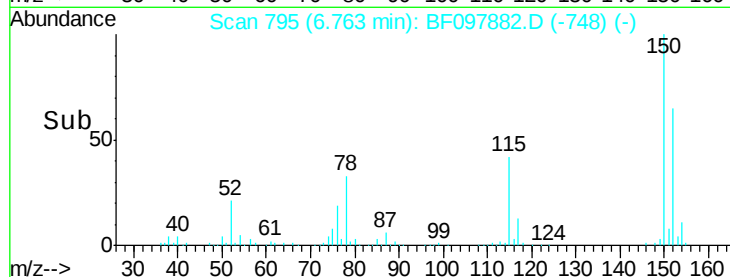
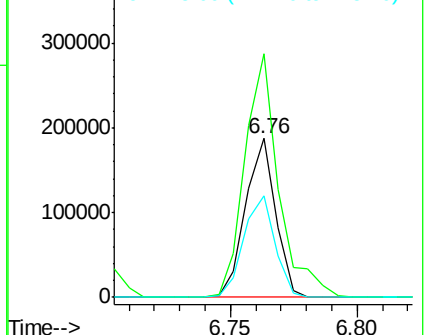
152 100

150 153.3 126.2 189.2

115 64.1 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: 17.96 ng

RT: 2.50 min Scan# 70

Delta R.T. 0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

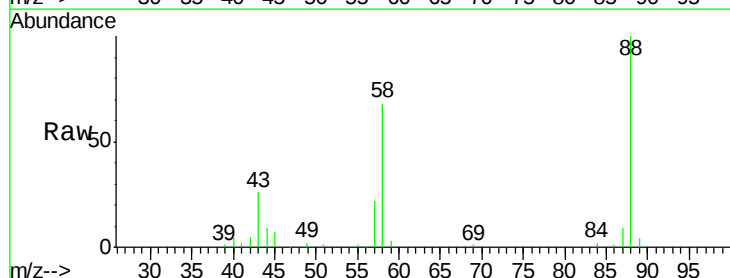
Tgt Ion: 88 Resp: 101933

Ion Ratio Lower Upper

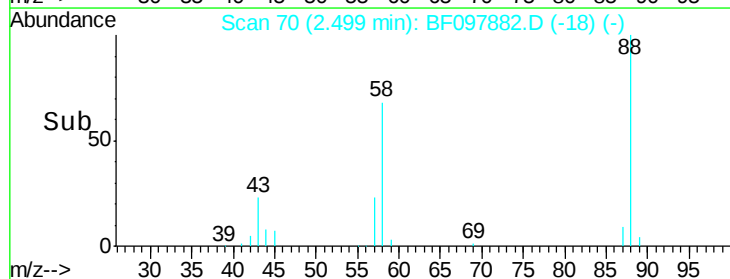
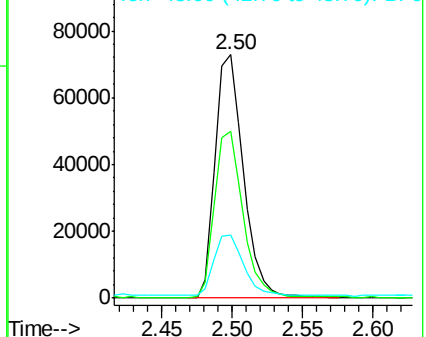
88 100

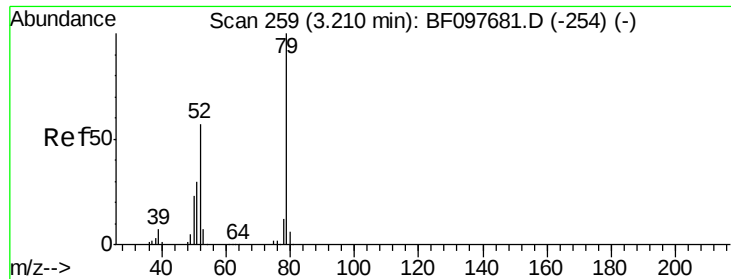
58 69.5 61.4 92.0

43 25.5 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: 16.64 ng

RT: 3.22 min Scan# 192

Delta R.T. 0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

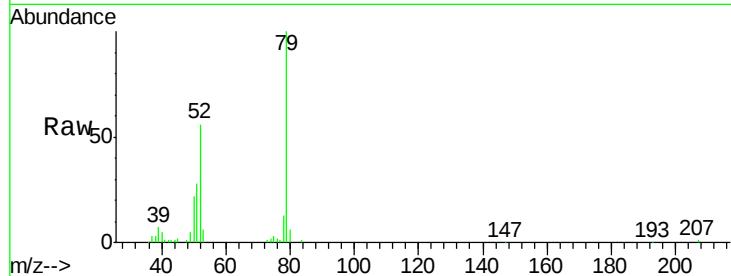
Tot Ion: 79 Resp: 261145

Ion Ratio Lower Upper

79 100

52 55.8 54.8 82.2

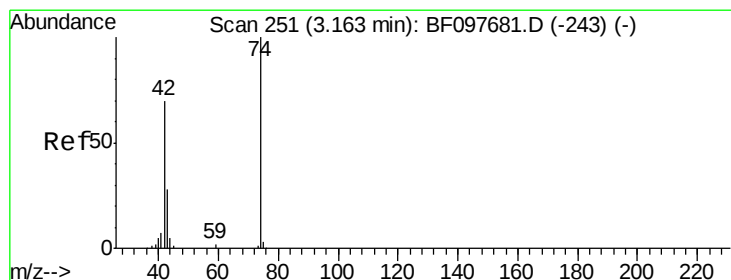
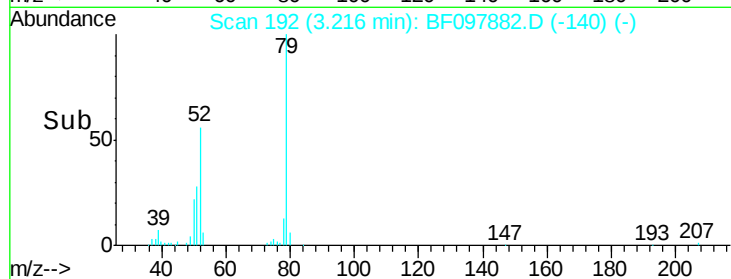
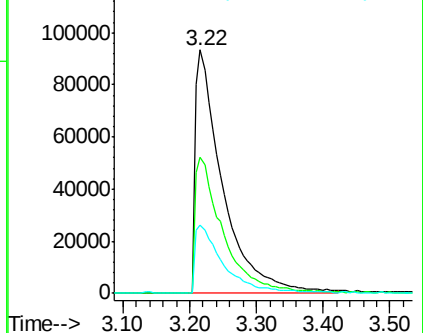
51 28.1 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 20.80 ng

RT: 3.16 min Scan# 182

Delta R.T. -0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

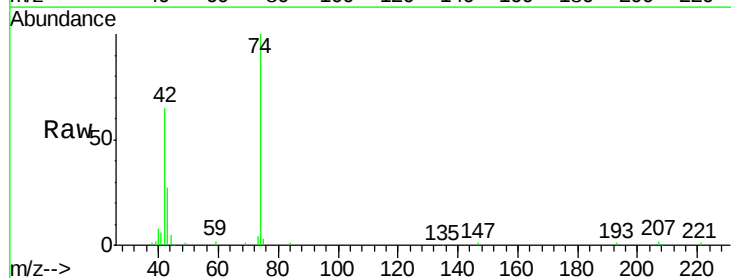
Tgt Ion: 42 Resp: 125561

Ion Ratio Lower Upper

42 100

74 153.8 103.9 155.9

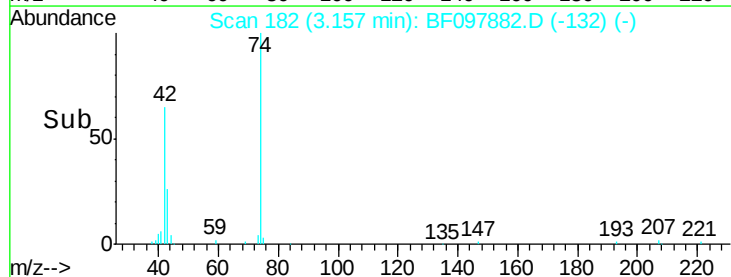
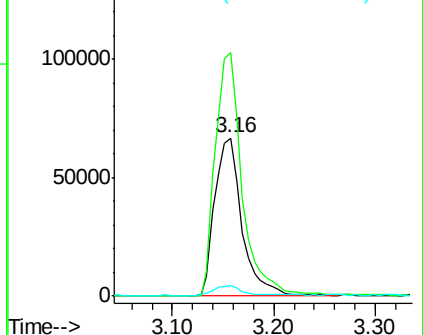
44 7.1 5.7 8.5

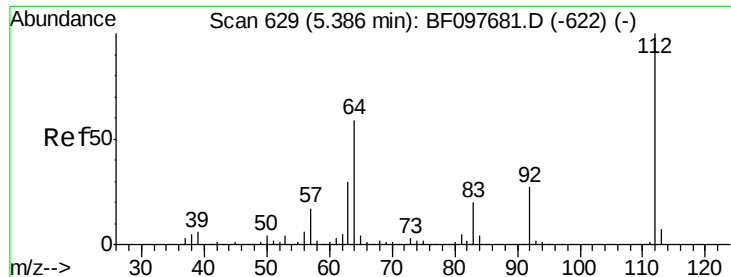


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 96.45 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

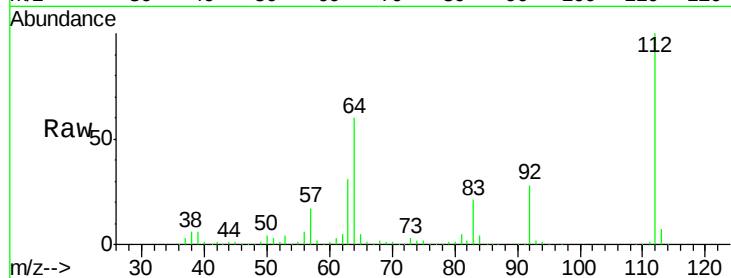
Tot Ion: 112 Resp: 981512

Ion Ratio Lower Upper

112 100

64 60.2 46.0 69.0

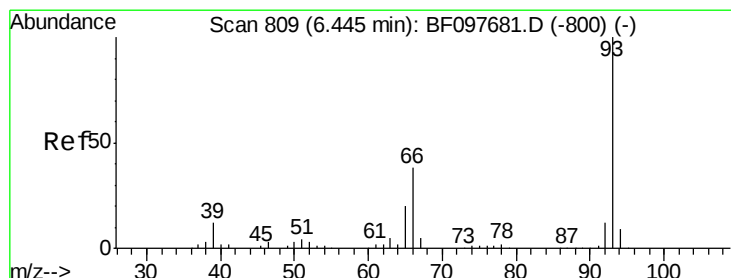
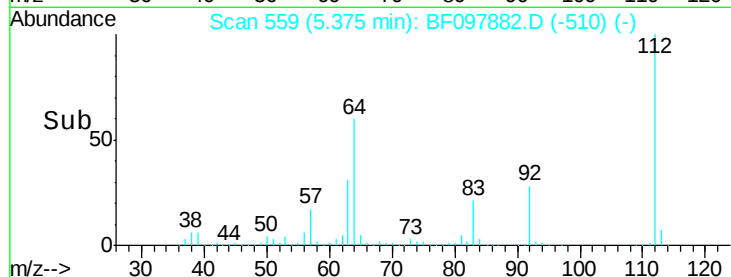
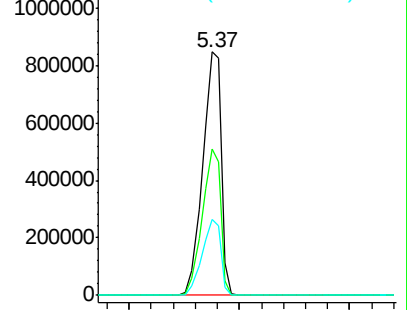
63 31.2 23.4 35.0



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: 16.24 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

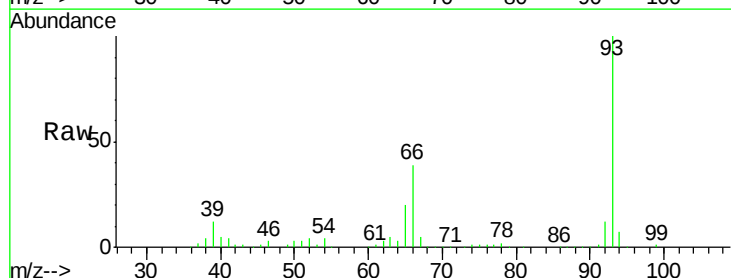
Tgt Ion: 93 Resp: 315511

Ion Ratio Lower Upper

93 100

66 38.7 32.9 49.3

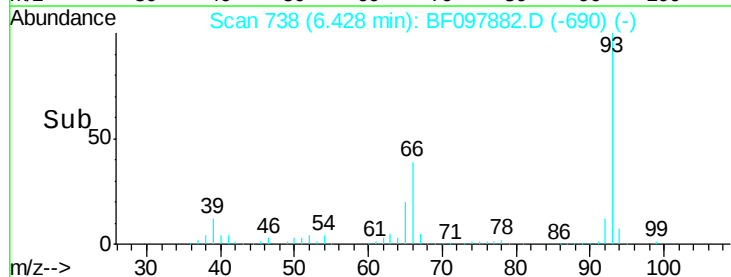
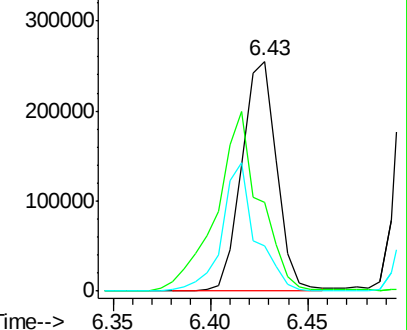
65 19.9 16.0 24.0

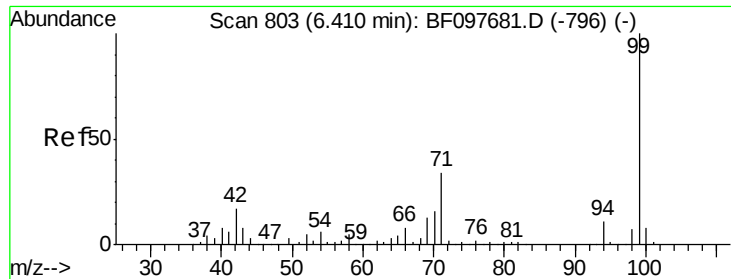


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 98.26 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampled :

PI-1(3)MSD

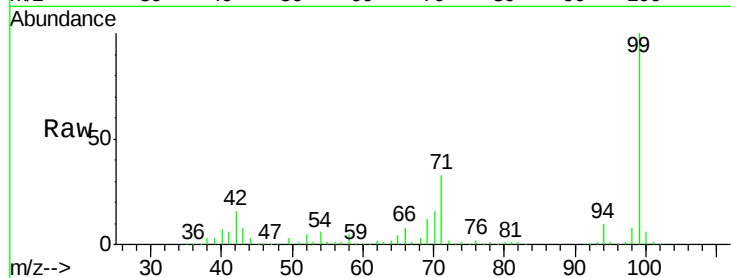
Tot Ion: 99 Resp: 1358730

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	32.9	24.5	36.7

99 100

42 15.8 13.5 20.3

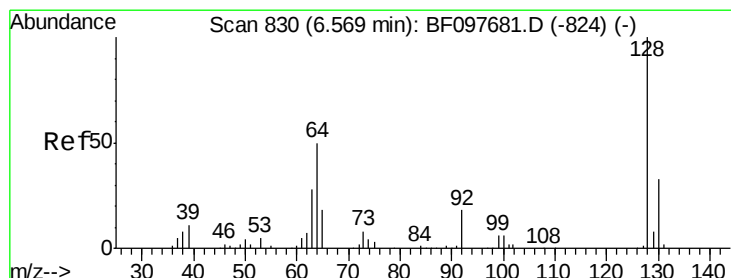
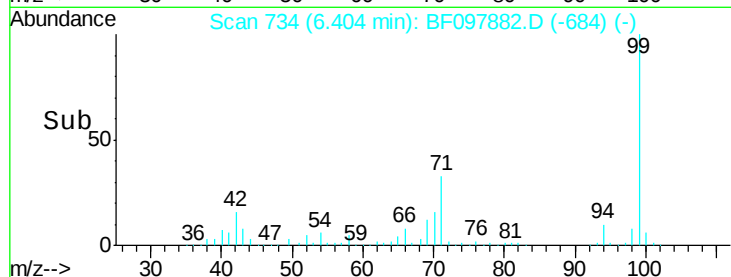
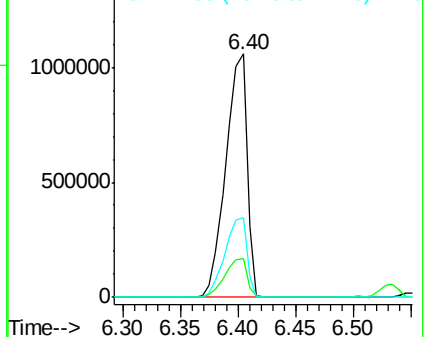
71 32.9 24.5 36.7



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: 24.06 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

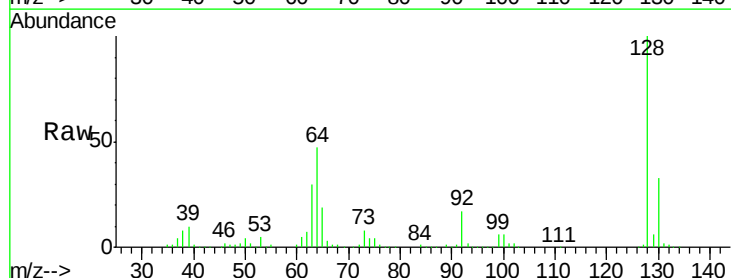
Tgt Ion:128 Resp: 258198

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	46.9	28.4	68.4

128 100

130 32.9 12.9 52.9

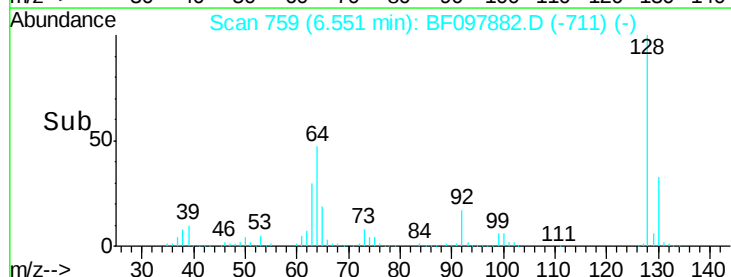
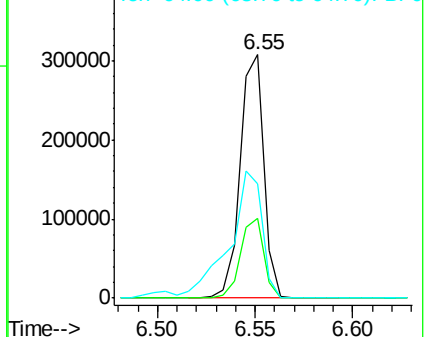
64 46.9 28.4 68.4

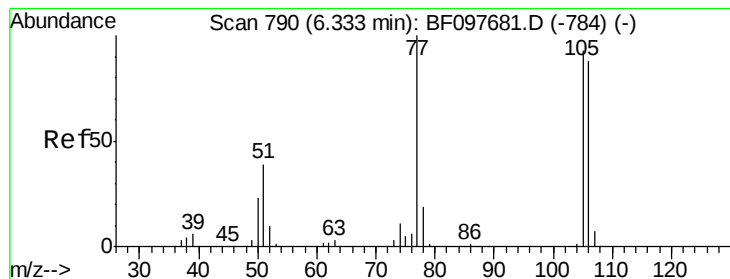


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 11.30 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

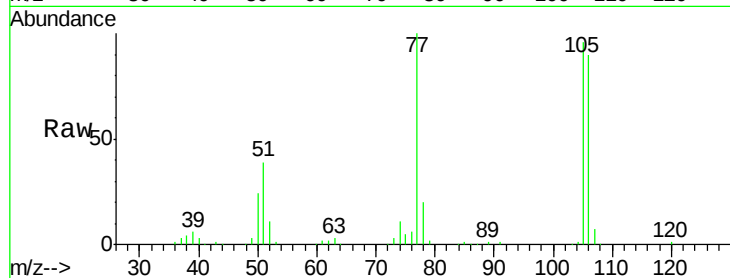
Tot Ion: 77 Resp: 98927

Ion Ratio Lower Upper

77 100

105 95.9 83.8 123.8

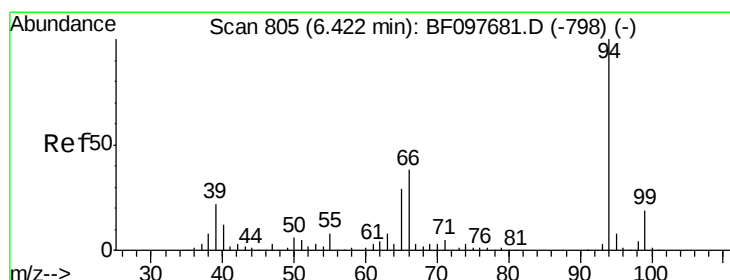
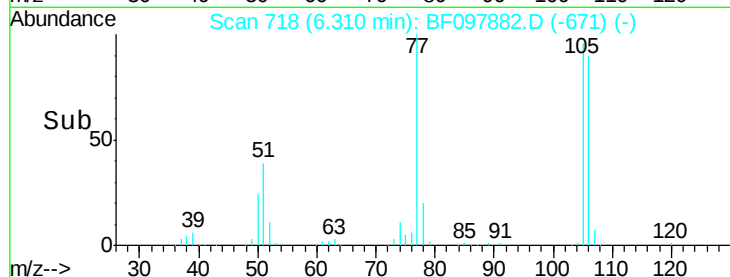
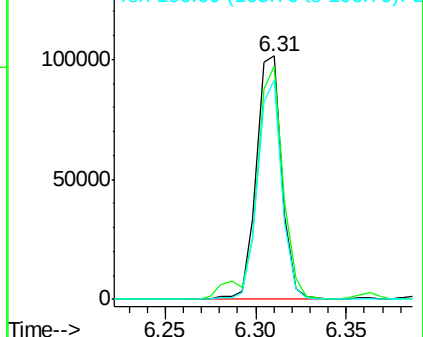
106 90.1 79.1 119.1



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: 23.86 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

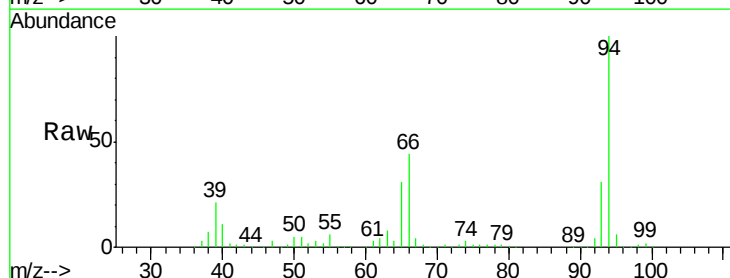
Tgt Ion: 94 Resp: 385870

Ion Ratio Lower Upper

94 100

65 31.3 9.9 49.9

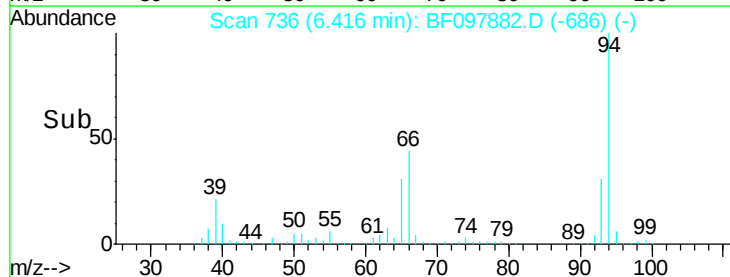
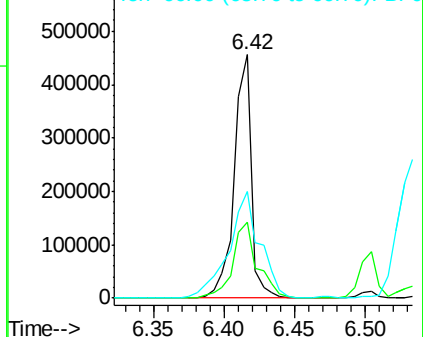
66 43.6 23.1 63.1

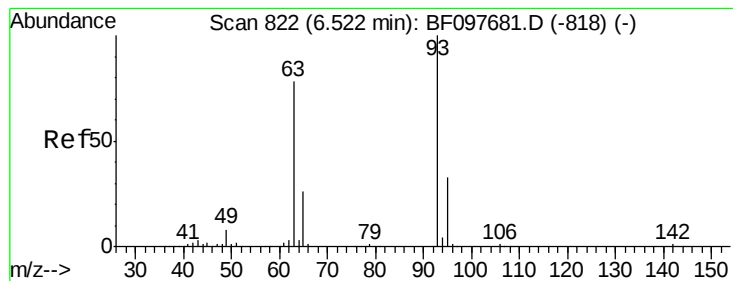


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 23.54 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

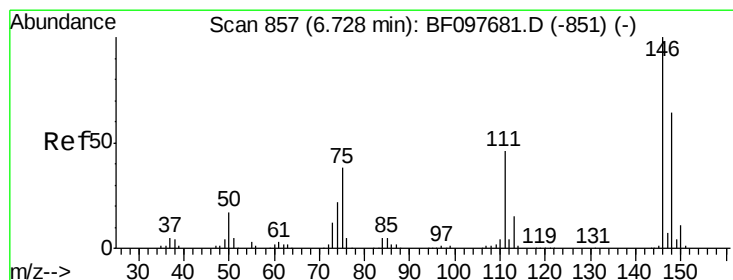
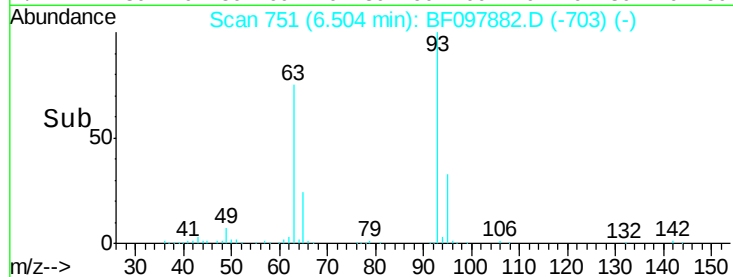
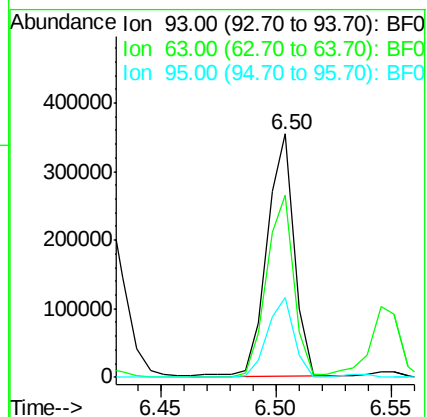
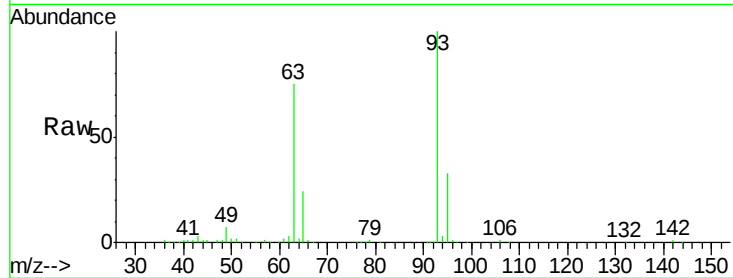
Tot Ion: 93 Resp: 287322

Ion Ratio Lower Upper

93 100

63 75.0 59.2 99.2

95 32.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 21.65 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

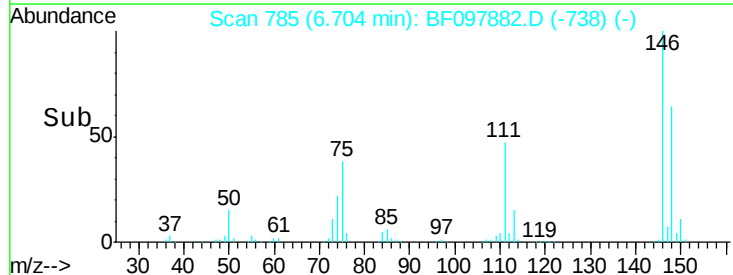
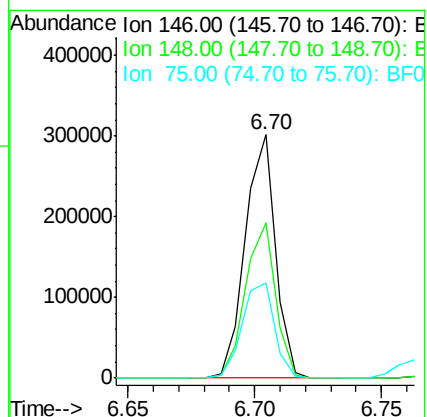
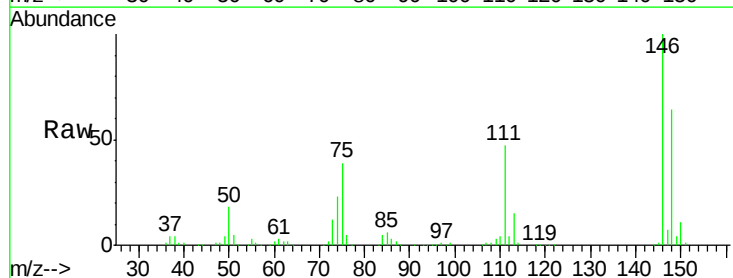
Tgt Ion: 146 Resp: 249936

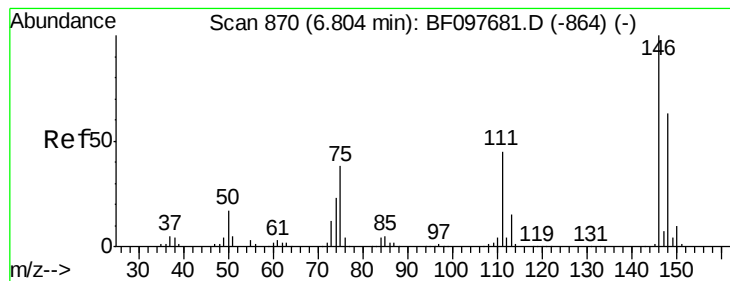
Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

75 38.9 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 21.68 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

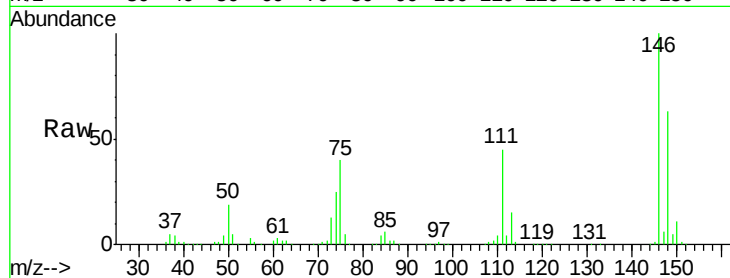
Tot Ion:146 Resp: 254568

Ion Ratio Lower Upper

146 100

148 63.1 52.2 78.2

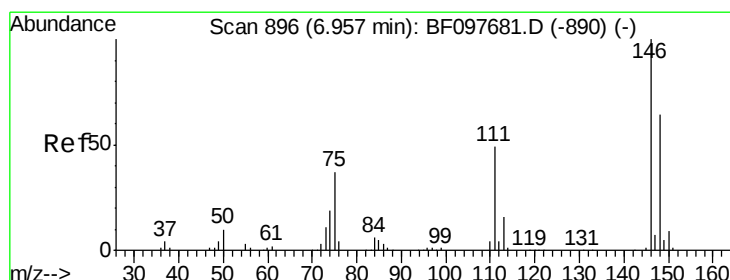
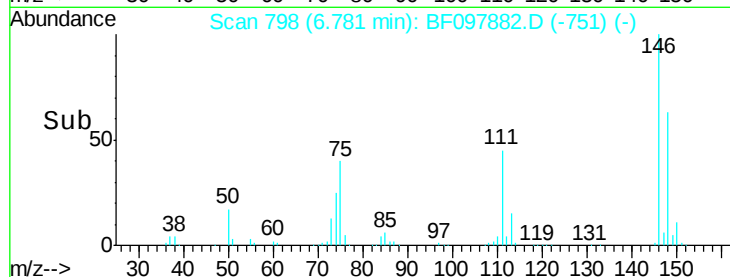
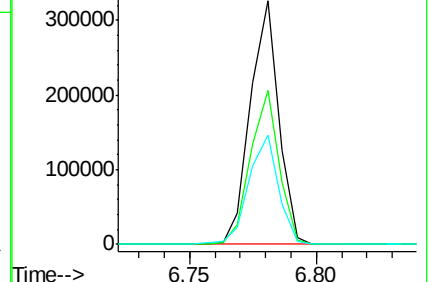
111 44.9 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 22.08 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

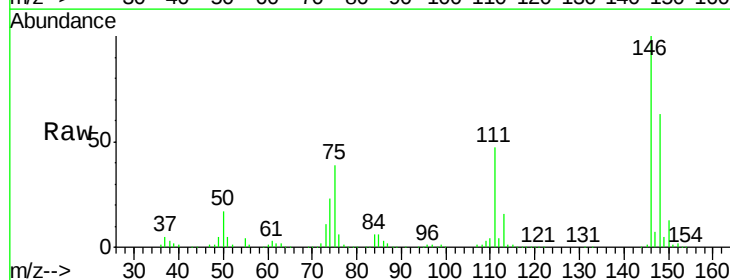
Tgt Ion:146 Resp: 239065

Ion Ratio Lower Upper

146 100

148 63.4 50.4 75.6

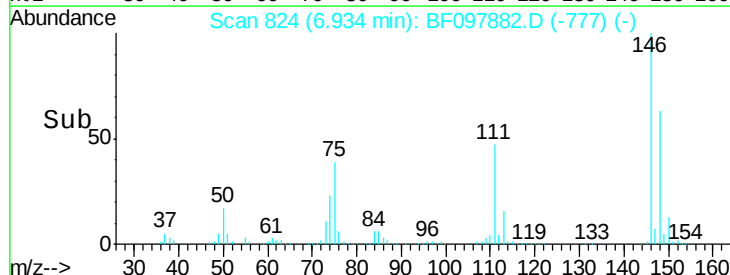
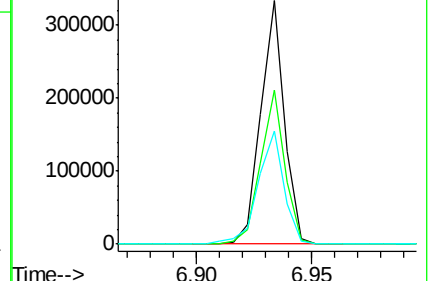
111 46.6 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 26.04 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampled :

PI-1(3)MSD

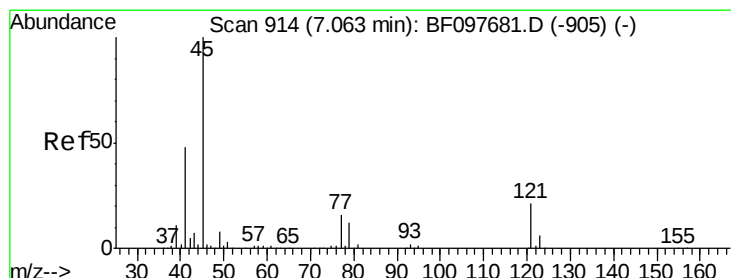
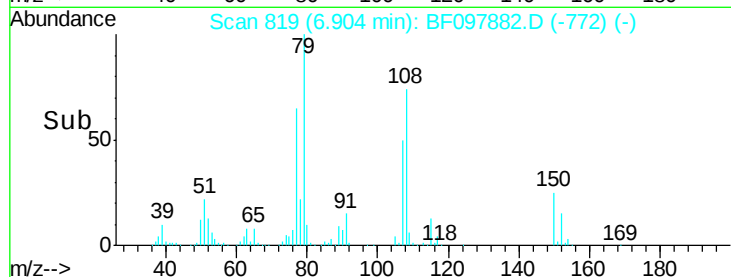
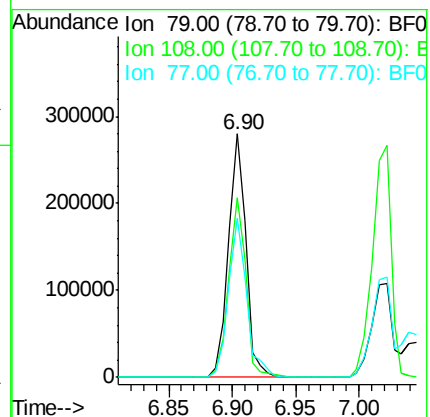
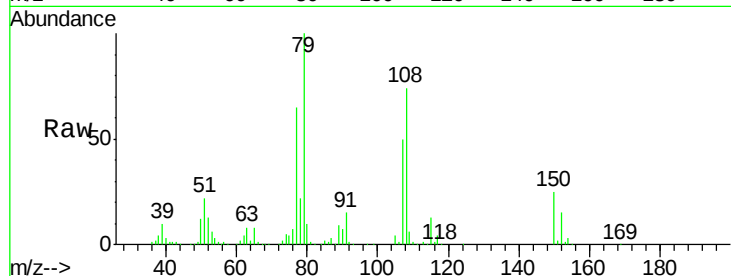
Tot Ion: 79 Resp: 269547

Ion Ratio Lower Upper

79 100

108 73.6 63.4 95.0

77 65.3 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 23.93 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

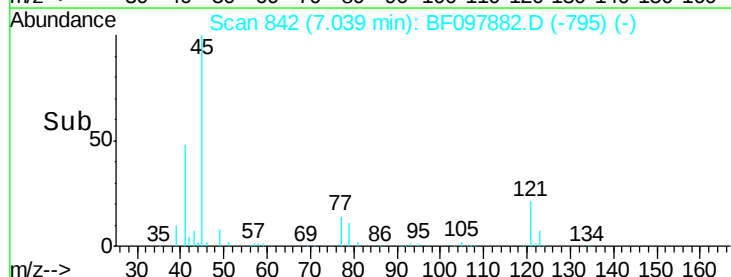
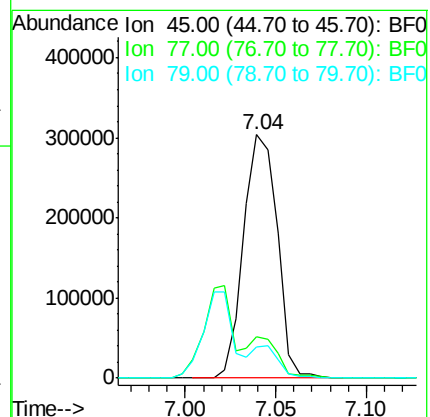
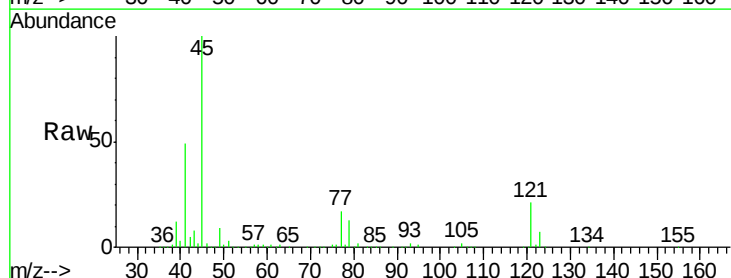
Tgt Ion: 45 Resp: 392965

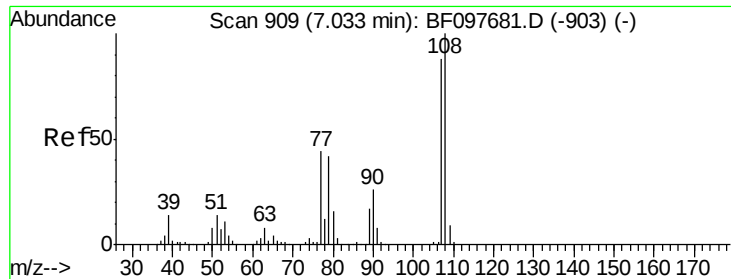
Ion Ratio Lower Upper

45 100

77 17.0 0.0 33.2

79 12.9 0.0 30.0

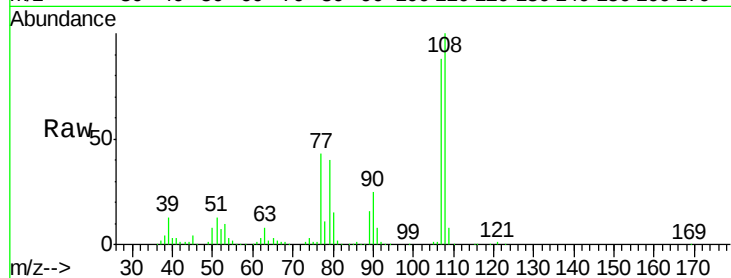




#17
2-Methylphenol
Concen: 25.26 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.7	93.4	140.0
77	49.3	35.8	53.6
79	46.1	34.8	52.2



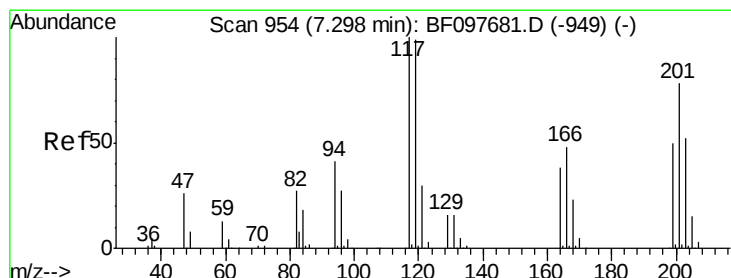
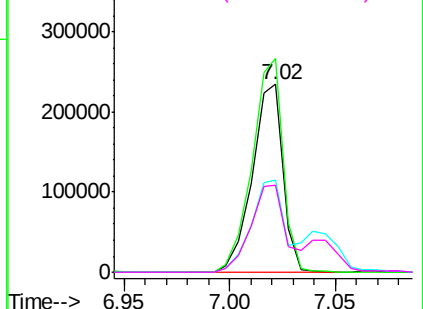
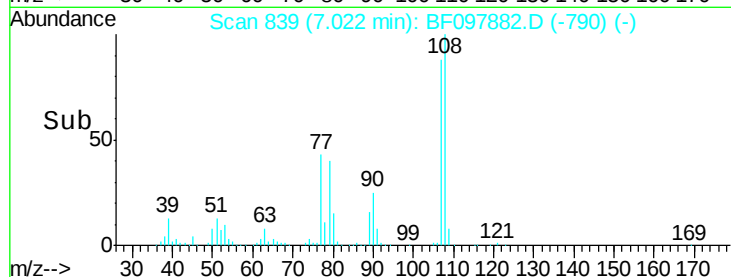
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

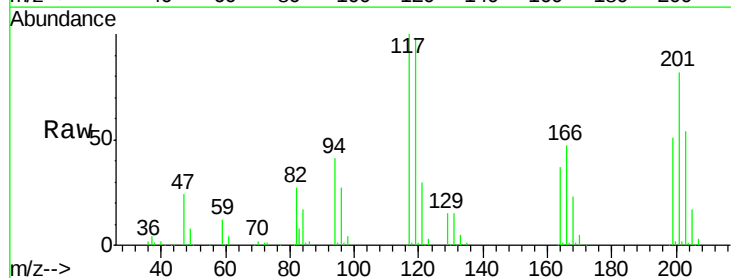
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 23.01 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.4	116.0
201	82.2	94.6	141.8#

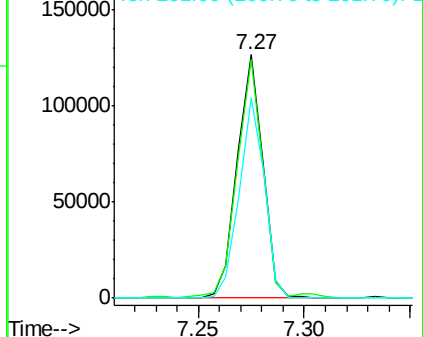
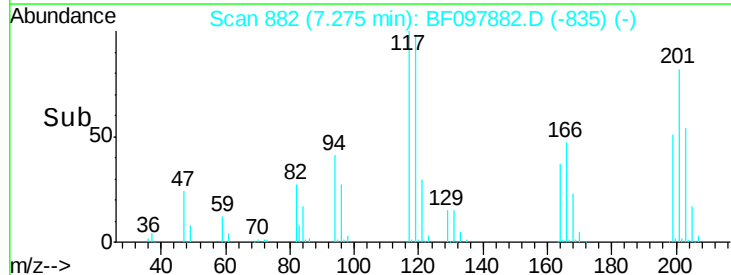


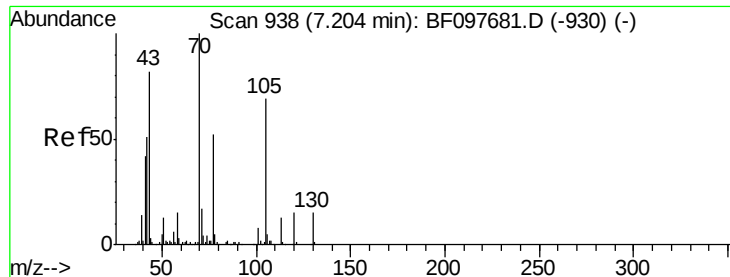
Abundance

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

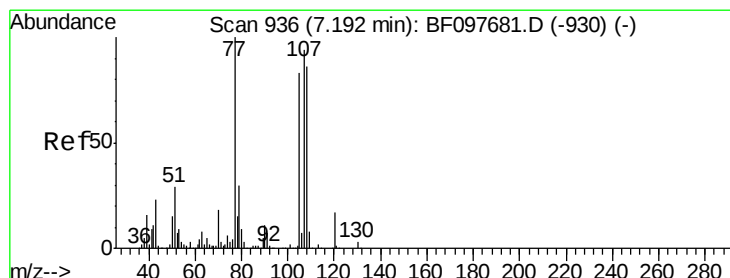
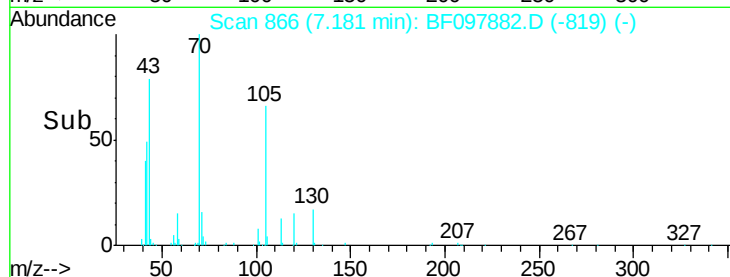
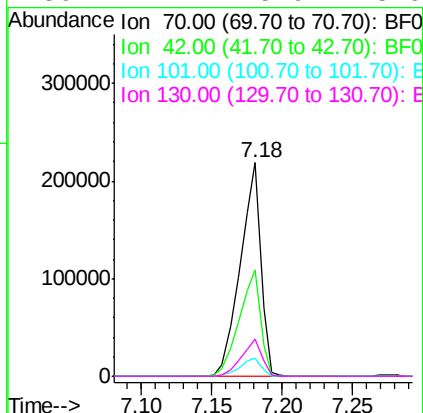
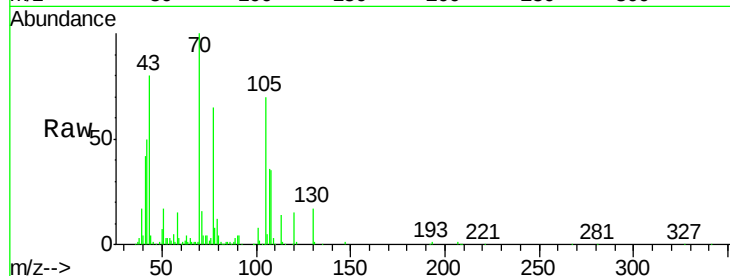




#19
n-Nitroso-di-n-propylamine
Concen: 23.44 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

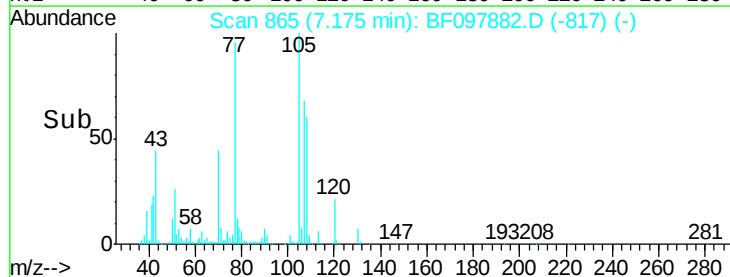
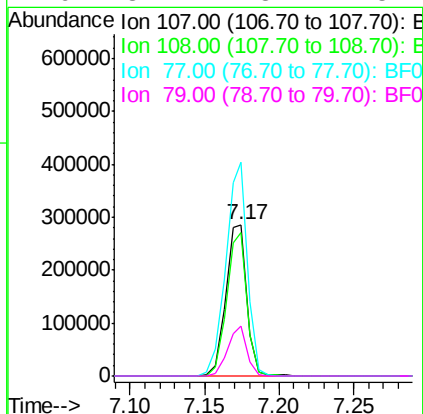
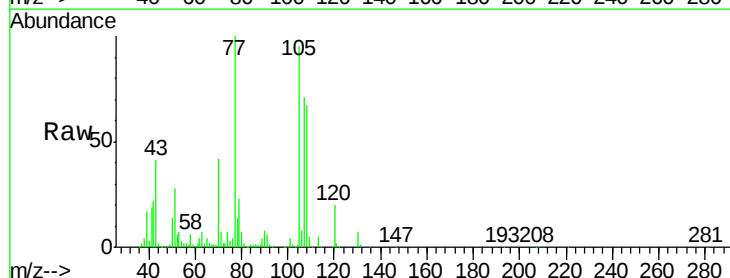
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

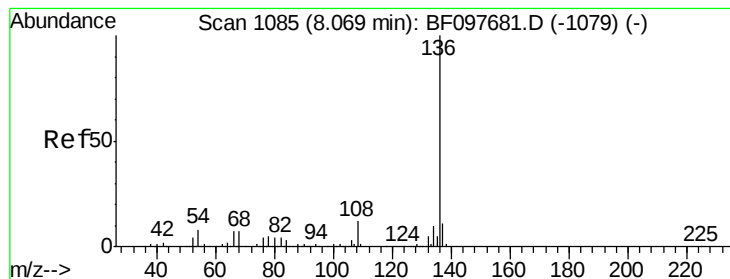
Tot Ion:	70	Resp:	221847
Ion	Ratio	Lower	Upper
70	100		
42	49.8	47.2	70.8
101	8.4	7.2	10.8
130	17.2	15.9	23.9



#20
3+4-Methylphenols
Concen: 24.68 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:	107	Resp:	285125
Ion	Ratio	Lower	Upper
107	100		
108	94.7	71.0	111.0
77	141.0	90.5	130.5#
79	32.7	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

Tot Ion:136 Resp: 641515

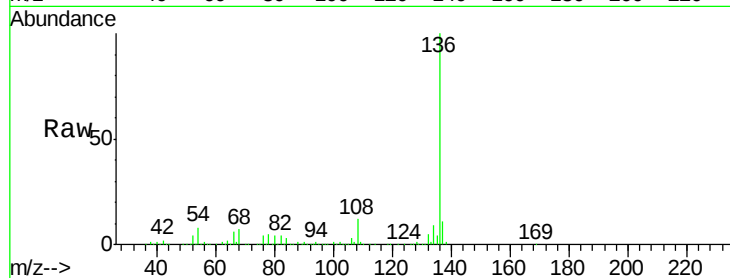
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.0 4.9 7.3#

68 7.3 4.1 6.1#

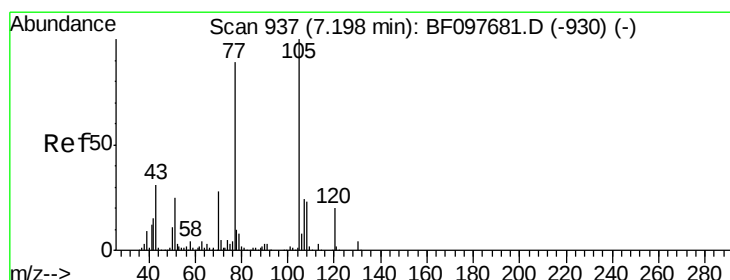
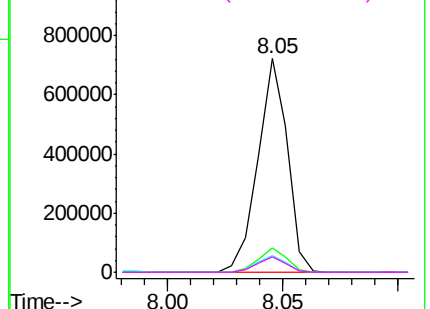
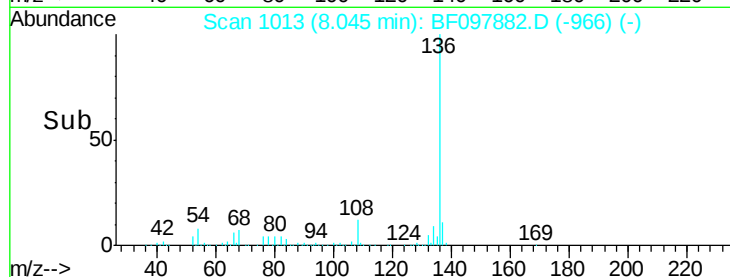


Abundance Ion 136.00 (135.70 to 136.70): E

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: 22.81 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Tgt Ion:105 Resp: 386517

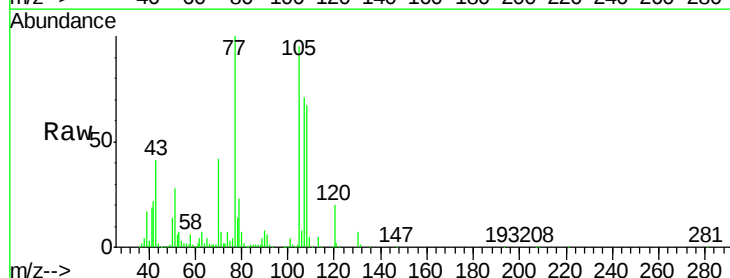
Ion Ratio Lower Upper

105 100

71 7.7 2.8 4.2#

51 29.9 30.7 46.1#

120 20.8 17.4 26.0

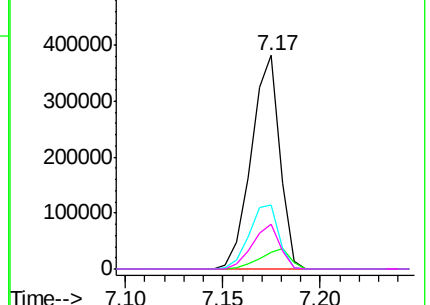
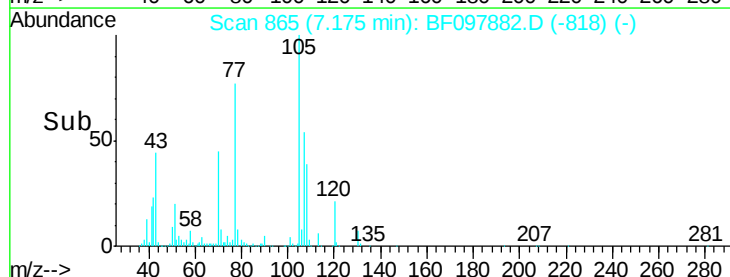


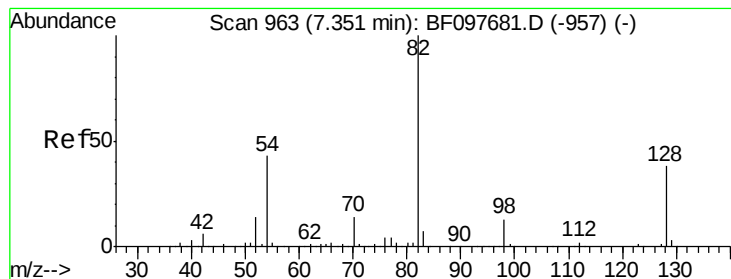
Abundance Ion 105.00 (104.70 to 105.70): E

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: 75.03 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

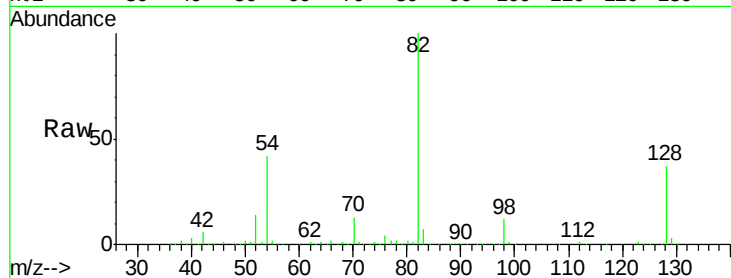
Tot Ion: 82 Resp: 886018

Ion Ratio Lower Upper

82 100

128 37.4 34.0 51.0

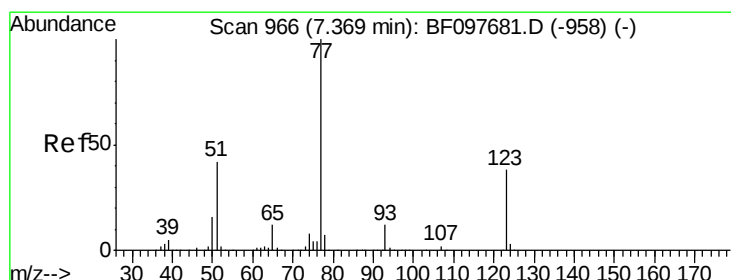
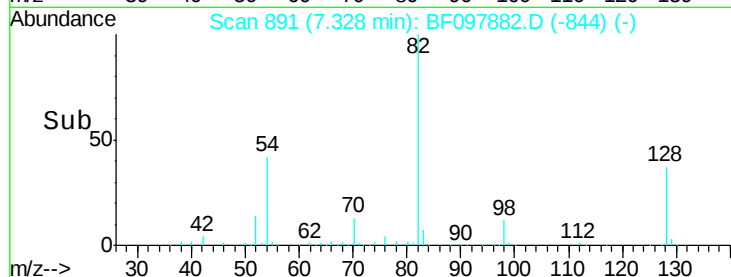
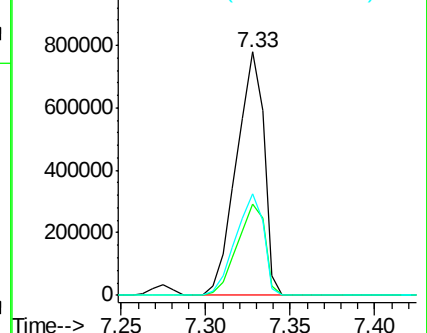
54 41.9 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 25.86 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

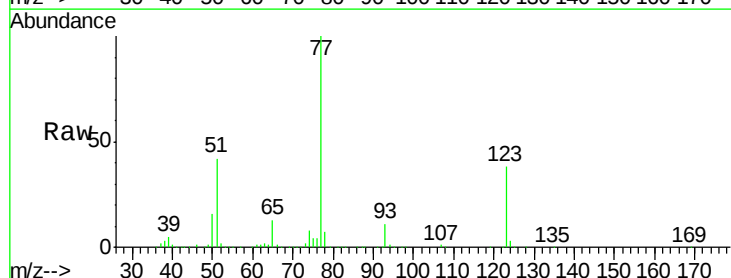
Tgt Ion: 77 Resp: 340009

Ion Ratio Lower Upper

77 100

123 38.1 35.8 53.8

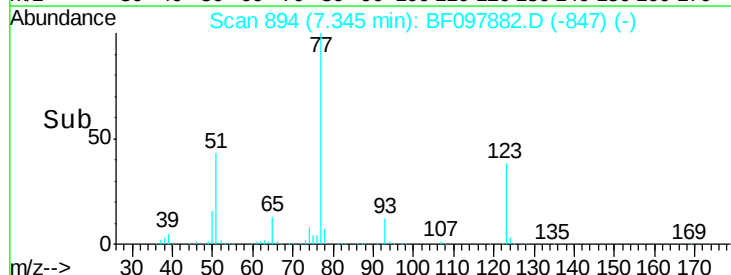
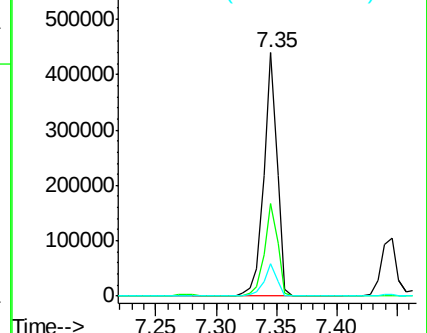
65 13.3 10.6 15.8

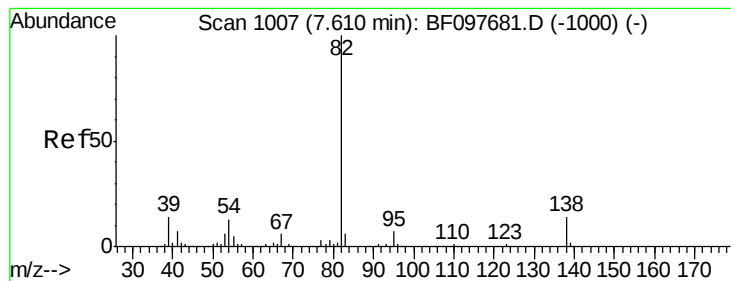


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 25.45 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

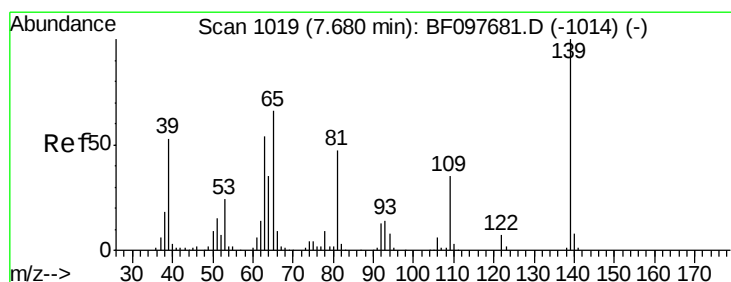
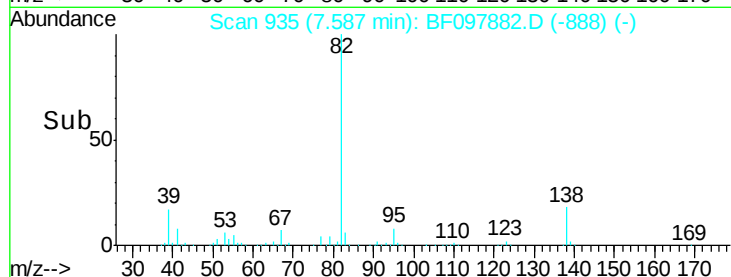
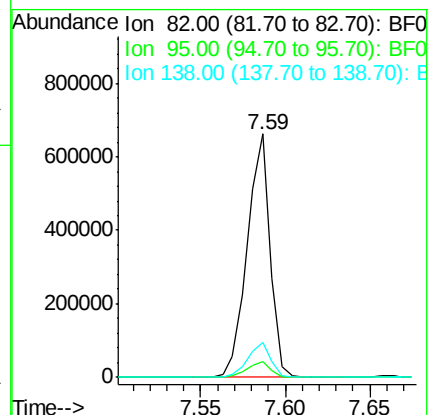
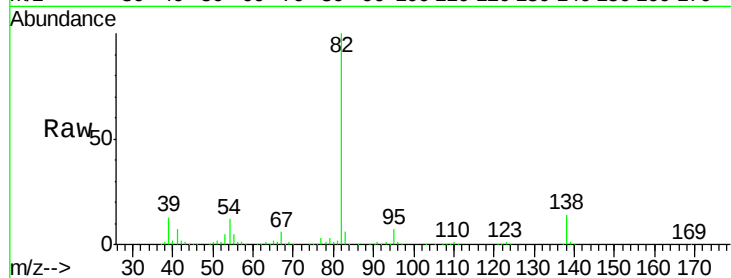
Tot Ion: 82 Resp: 625012

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 14.5 13.1 19.7



#26

2-Nitrophenol

Concen: 29.32 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

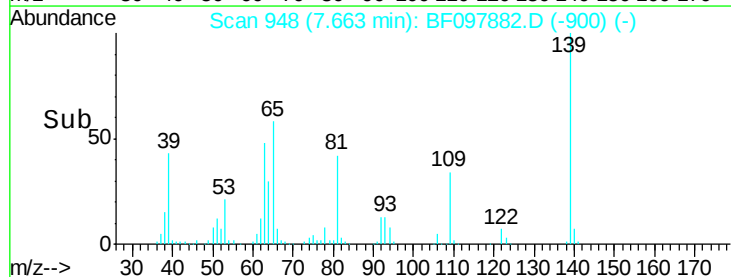
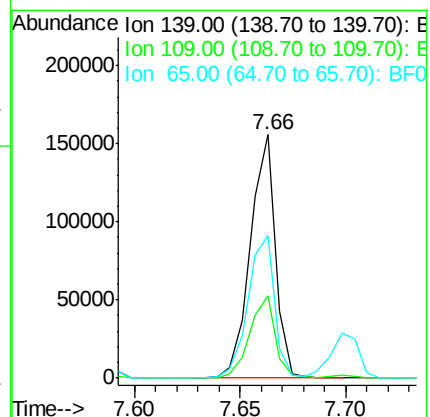
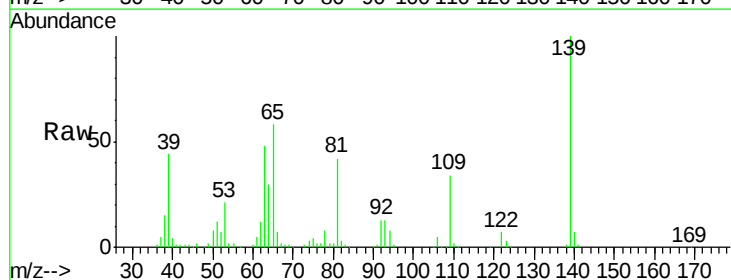
Tgt Ion: 139 Resp: 128742

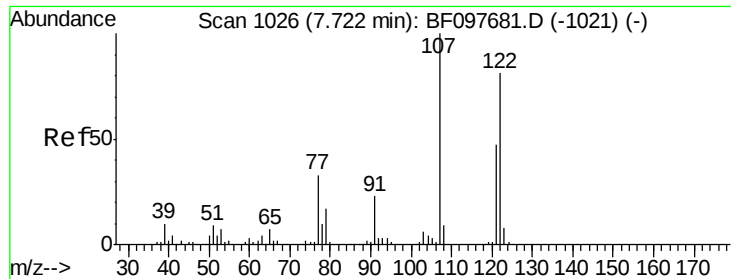
Ion Ratio Lower Upper

139 100

109 33.9 21.0 31.6#

65 58.5 33.0 49.6#

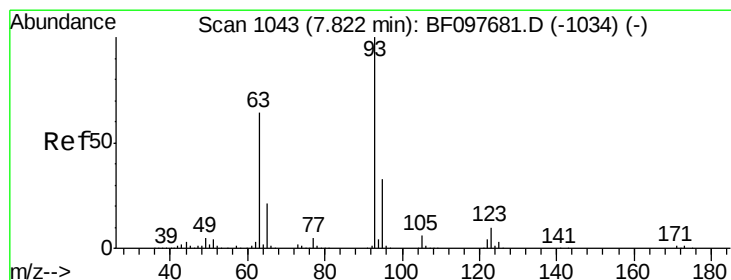
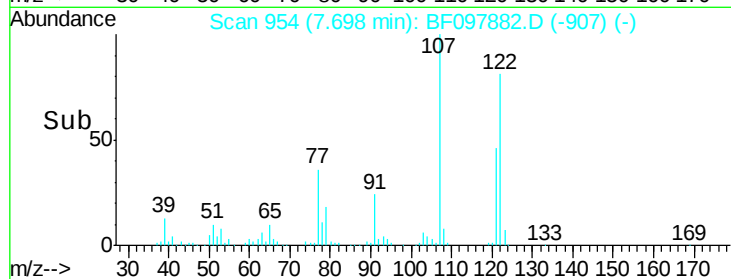
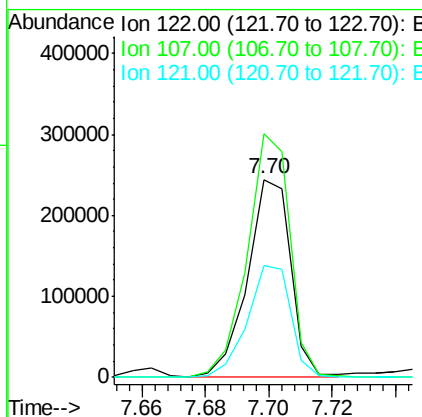
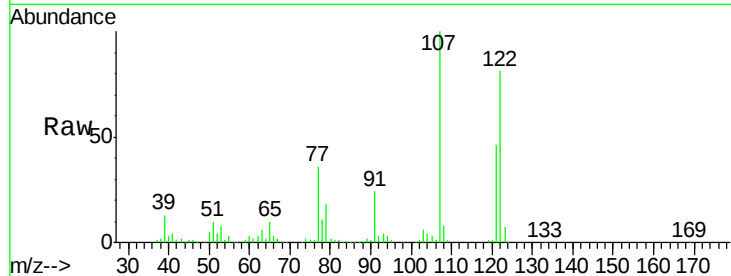




#27
 2,4-Dimethylphenol
 Concen: 22.64 ng
 RT: 7.70 min Scan# 954
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

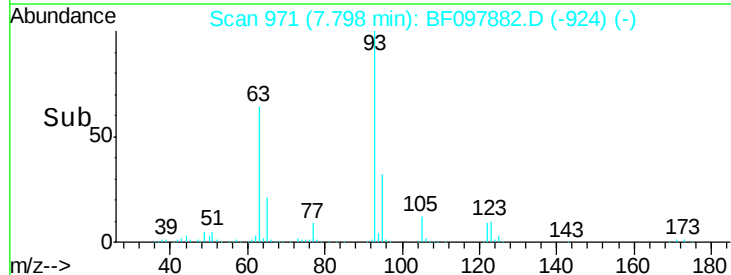
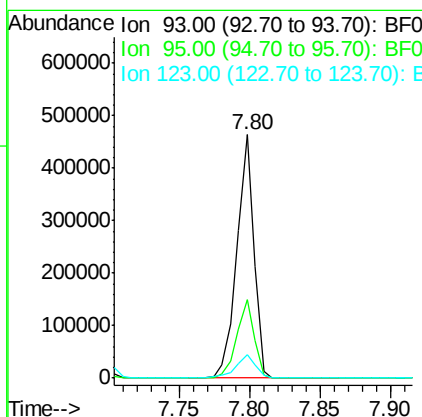
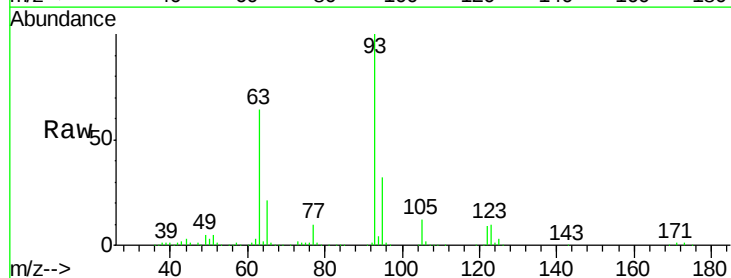
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

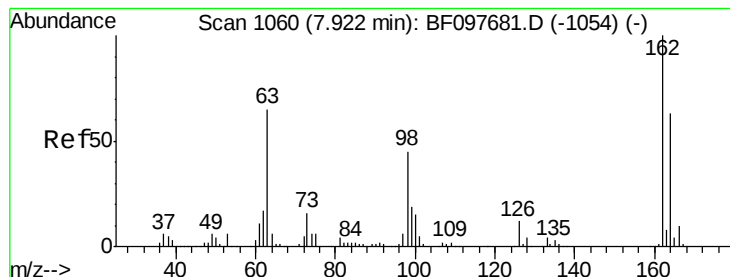
Tot Ion	Ratio	Lower	Upper
122	100		
107	123.2	89.2	133.8
121	56.3	45.2	67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 24.22 ng
 RT: 7.80 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.5	39.7
123	9.8	9.0	13.4

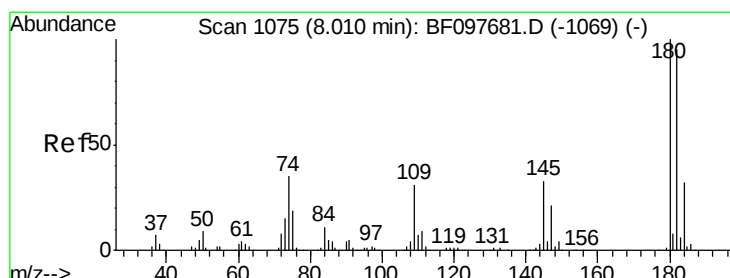
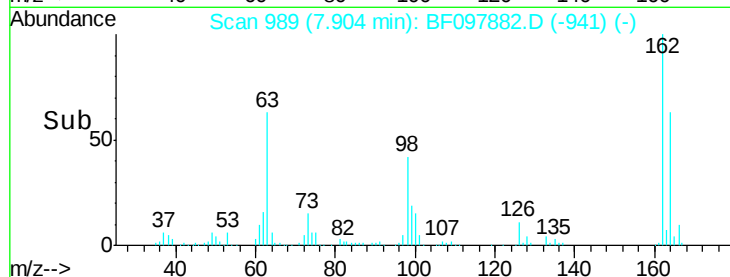
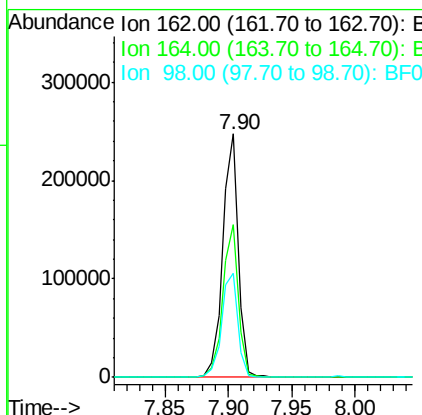
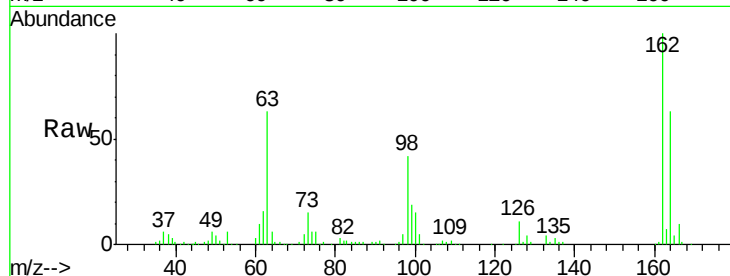




#29
 2,4-Dichlorophenol
 Concen: 24.95 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

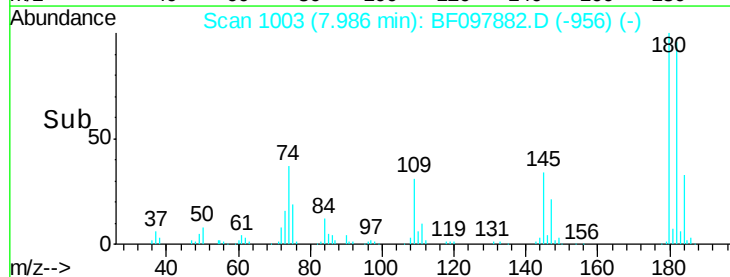
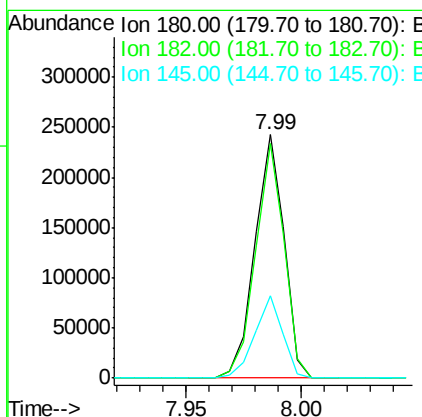
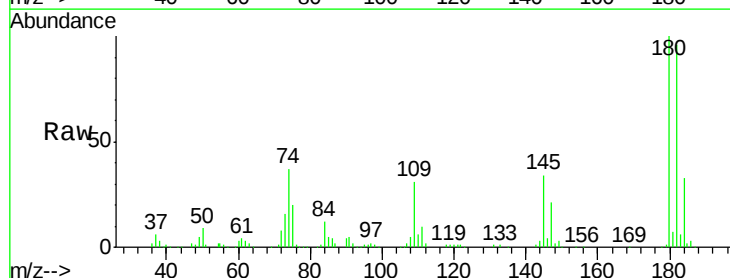
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

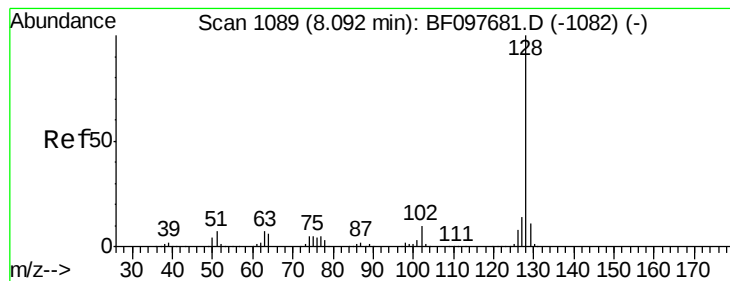
Tot Ion:	162	Resp:	212092
Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	42.5	14.8	54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 22.76 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion:	180	Resp:	214459
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.6
145	34.0	25.3	37.9





#31

Naphthalene

Concen: 22.75 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

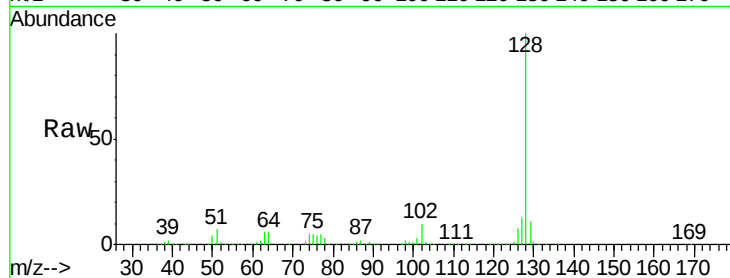
Tot Ion:128 Resp: 757816

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

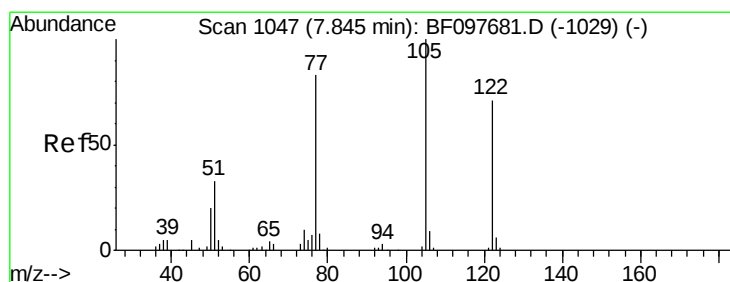
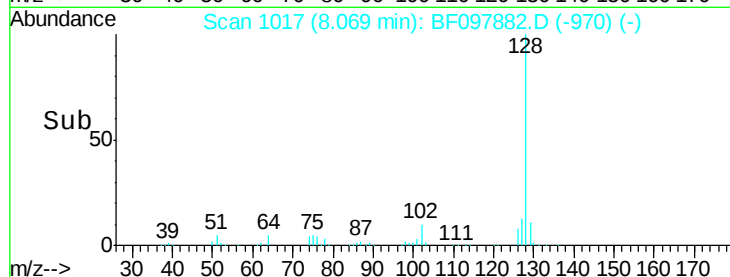
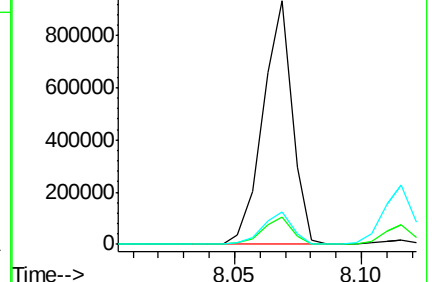
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 21.14 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.04 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

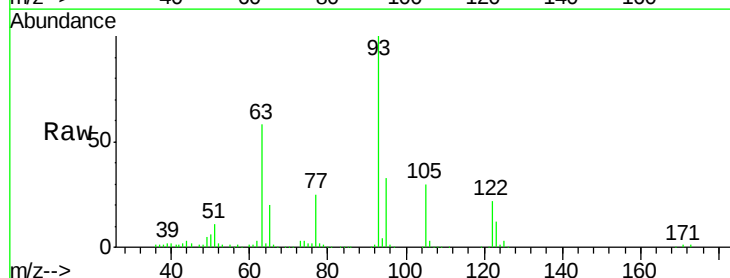
Tgt Ion:122 Resp: 126920

Ion Ratio Lower Upper

122 100

105 137.4 103.3 143.3

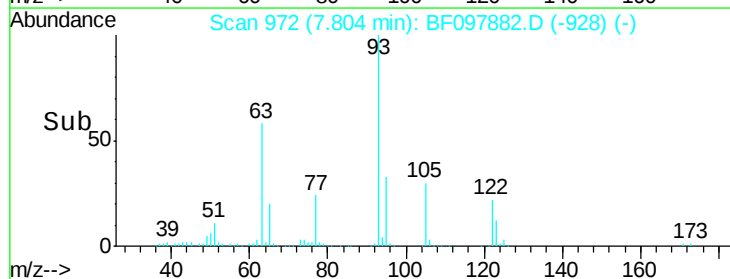
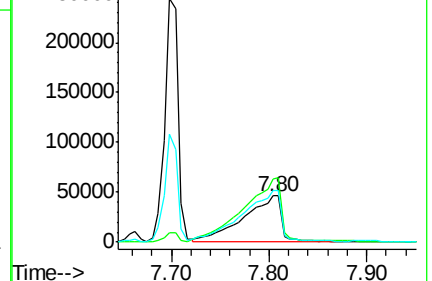
77 112.5 73.7 113.7

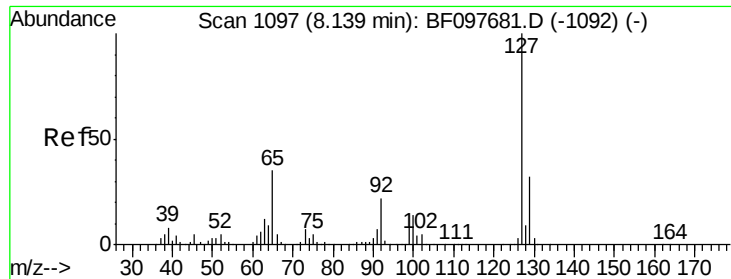


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

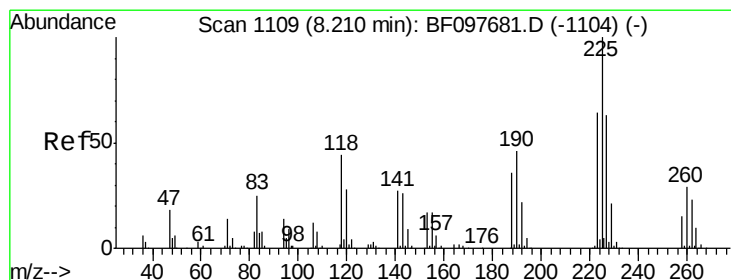
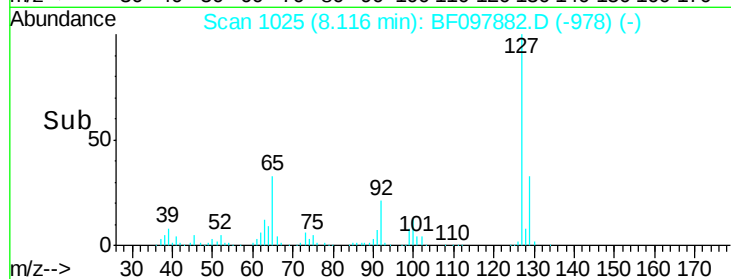
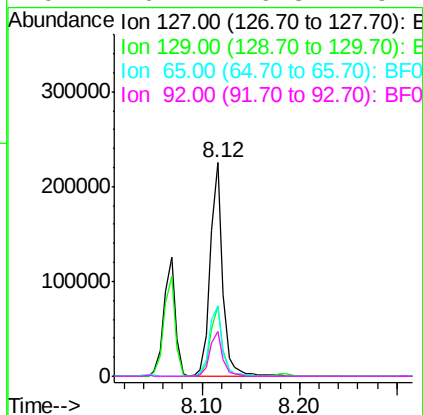
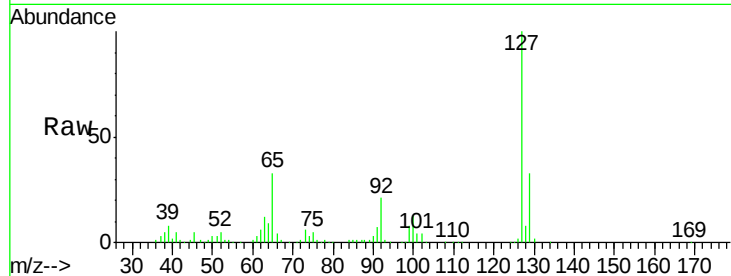




#33
4-Chloroaniline
Concen: 14.21 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

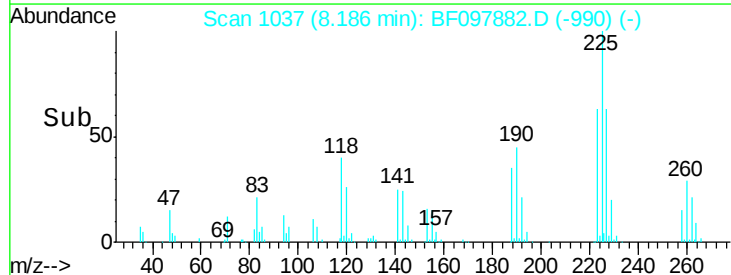
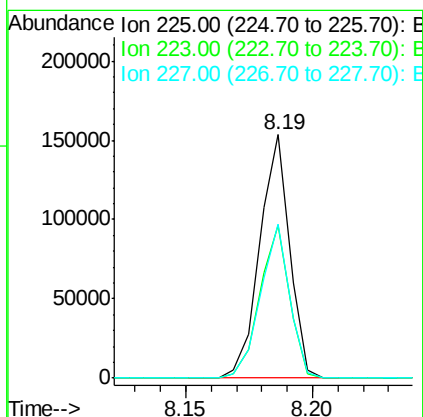
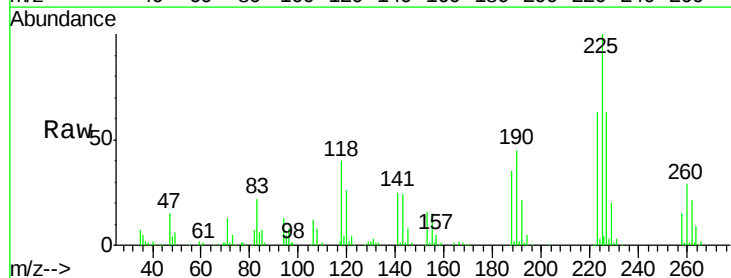
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

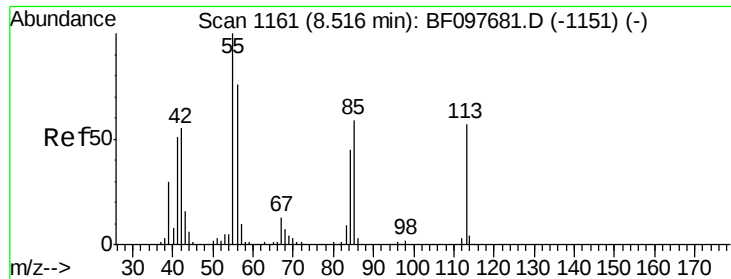
Tot Ion:	127	Resp:	199528
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.2
65	32.9	27.8	41.8
92	20.7	16.8	25.2



#34
Hexachlorobutadiene
Concen: 23.04 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:	225	Resp:	126781
Ion	Ratio	Lower	Upper
225	100		
223	62.9	48.8	73.2
227	63.1	51.1	76.7

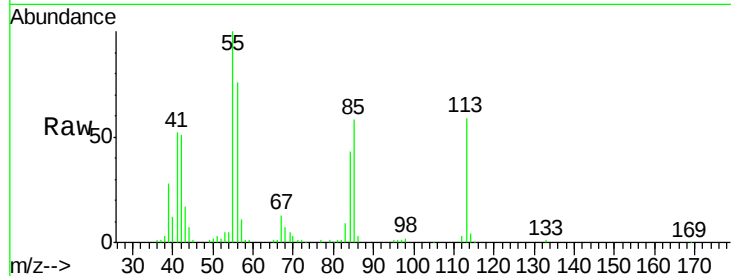




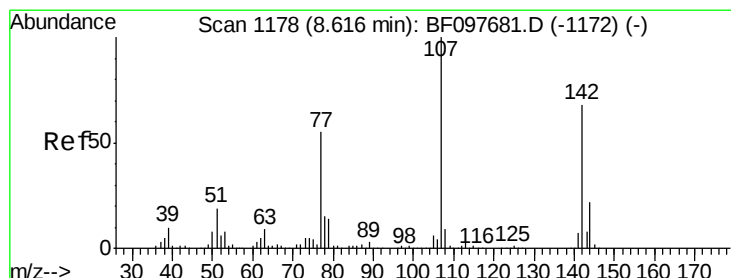
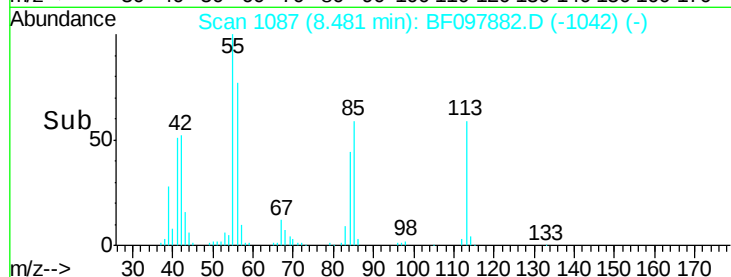
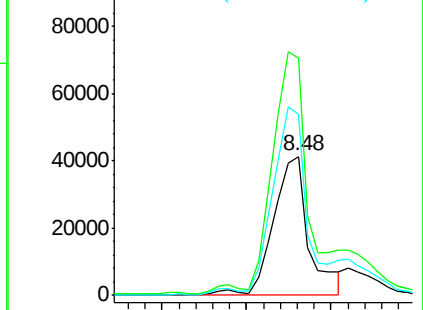
#35
Caprolactam
Concen: 20.75 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.04 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

Tot Ion:113 Resp: 59960
Ion Ratio Lower Upper
113 100
55 170.5 150.2 190.2
56 129.5 107.8 147.8

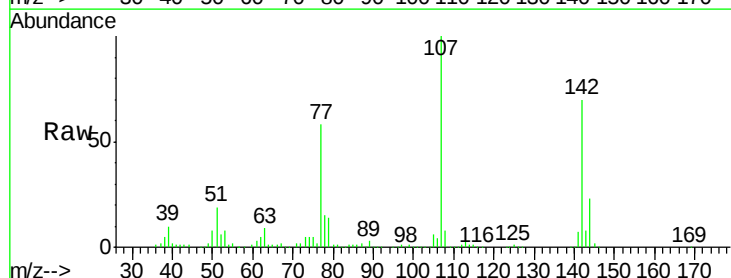


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

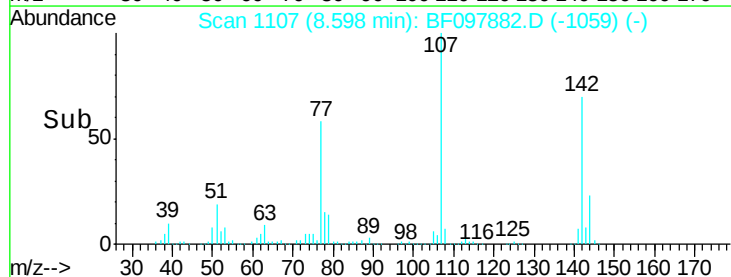
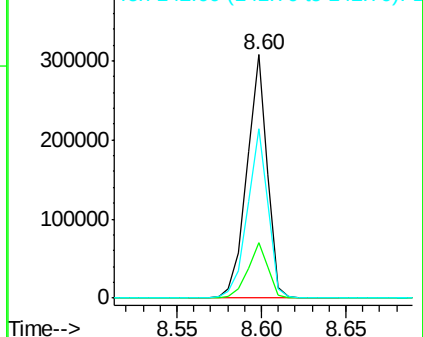


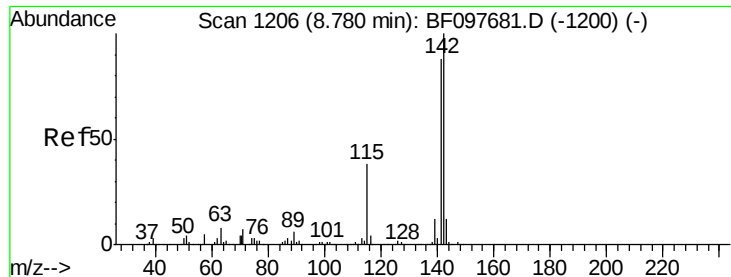
#36
4-Chloro-3-methylphenol
Concen: 23.95 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:107 Resp: 261549
Ion Ratio Lower Upper
107 100
144 22.6 24.2 36.4#
142 69.6 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

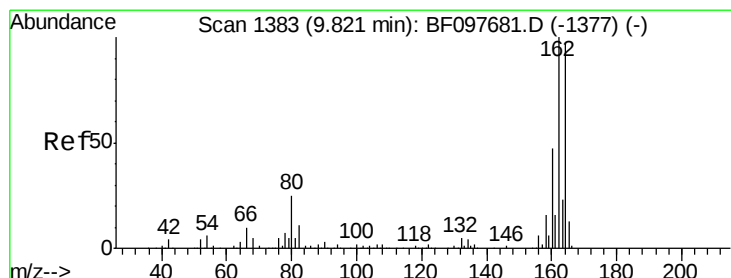
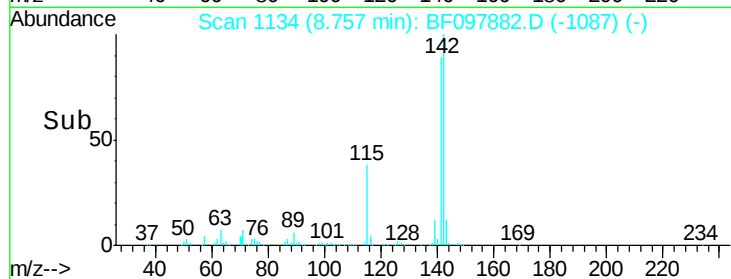
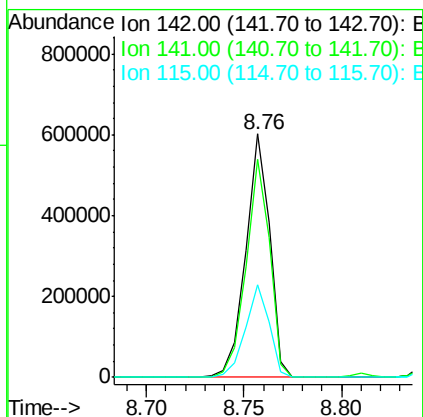
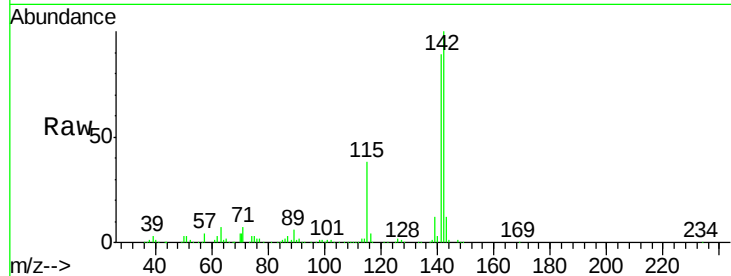




#37
 2-Methylnaphthalene
 Concen: 25.08 ng
 RT: 8.76 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

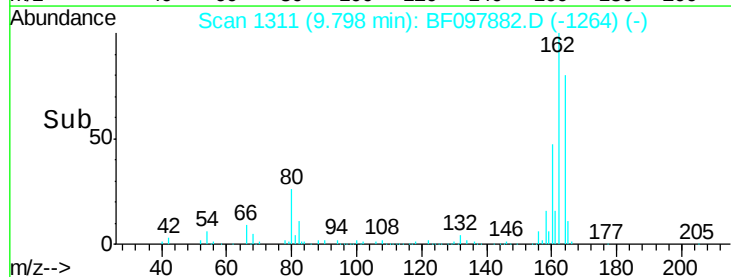
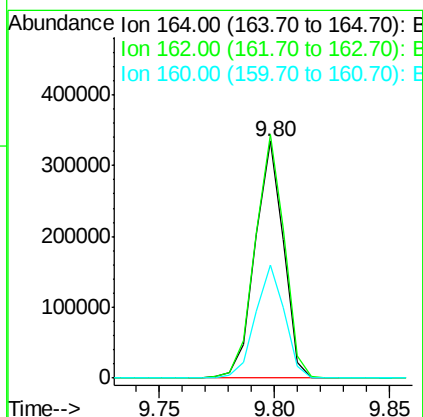
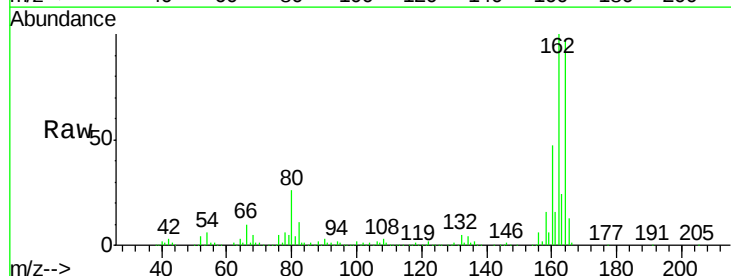
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

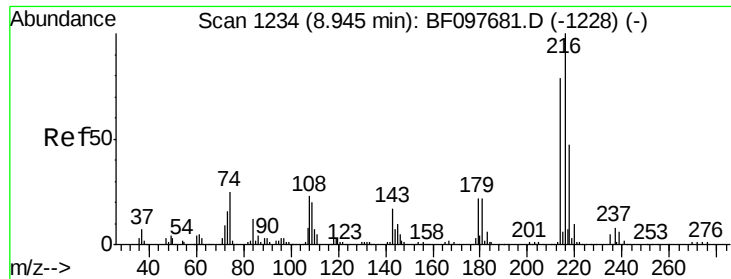
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	38.2	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	47.9	36.2	54.2

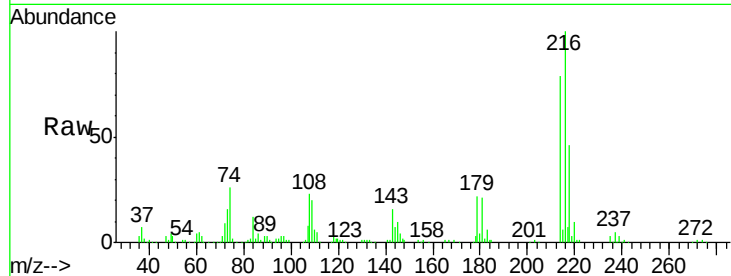




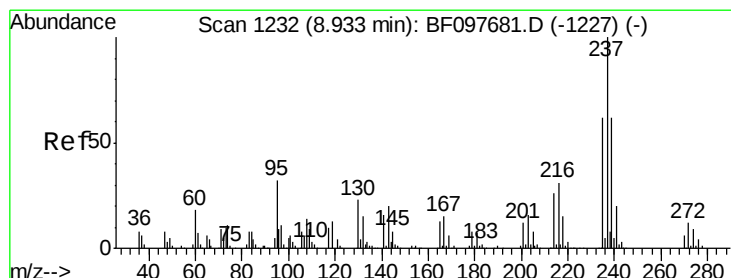
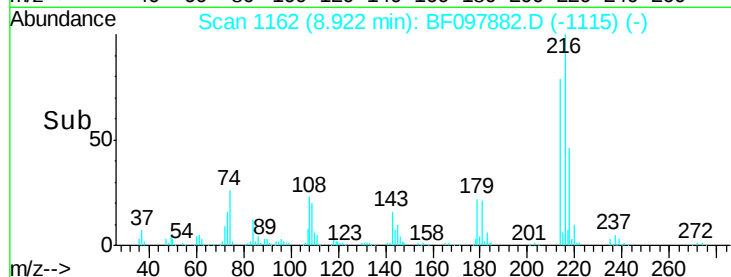
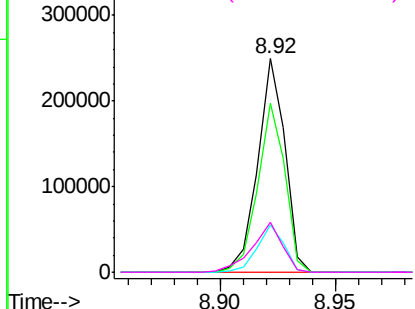
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 23.43 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

Tot Ion:216	Resp:	206736
Ion Ratio	Lower	Upper
216	100	
214	78.8	63.4 95.2
179	21.8	17.9 26.9
108	25.8	16.5 24.7#

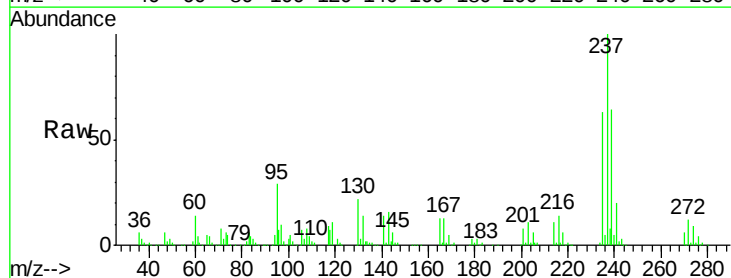


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

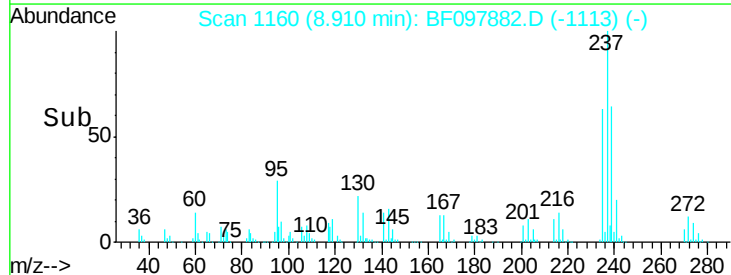
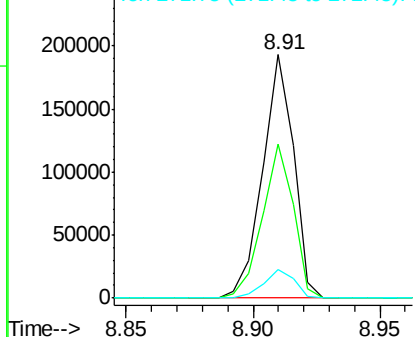


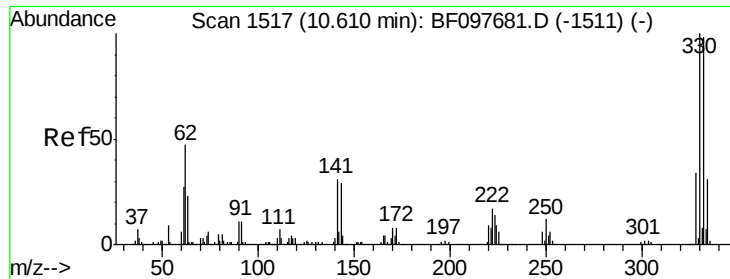
#40
 Hexachlorocyclopentadiene
 Concen: 39.22 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion:237	Resp:	166295
Ion Ratio	Lower	Upper
237	100	
235	63.2	42.6 82.6
272	11.8	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

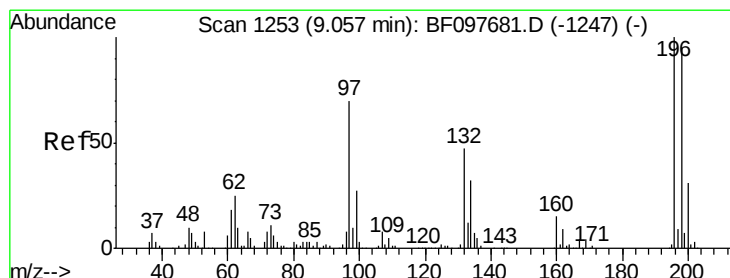
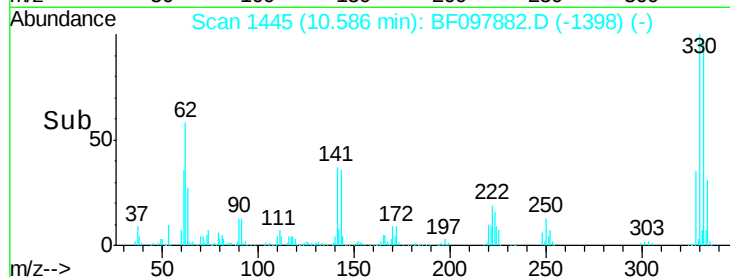
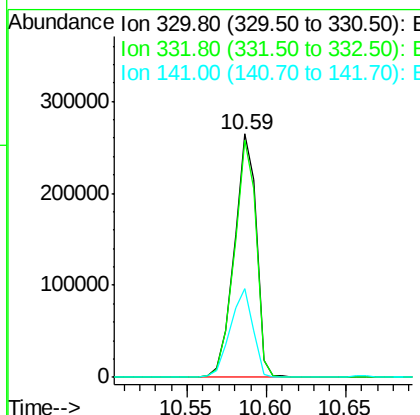
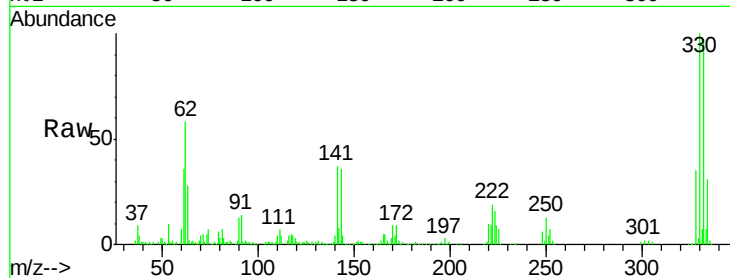




#41
 2,4,6-Tribromophenol
 Concen: 101.89 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

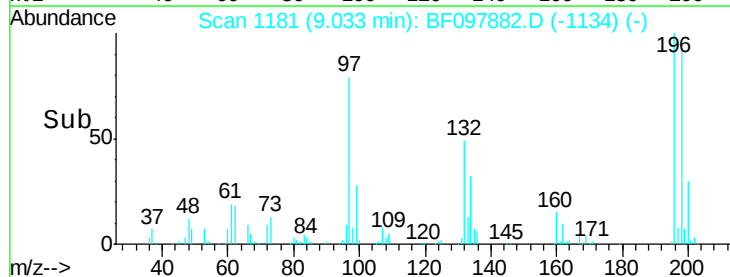
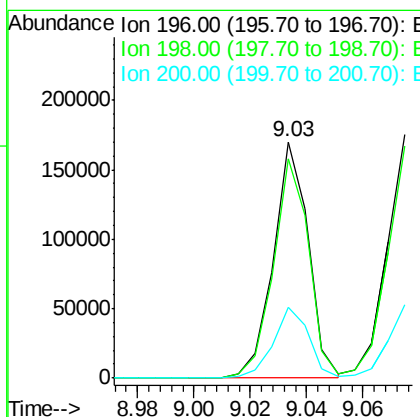
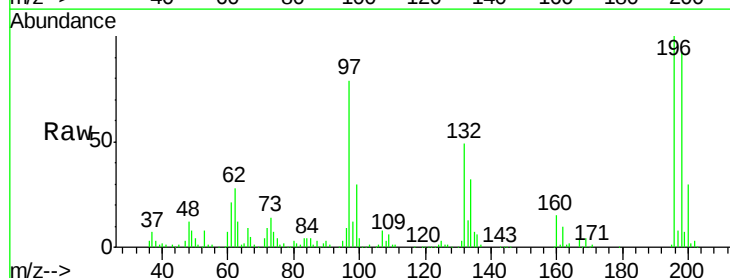
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	37.6	31.4	47.2



#42
 2,4,6-Trichlorophenol
 Concen: 24.63 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.0	74.2	111.4
200	29.8	24.0	36.0

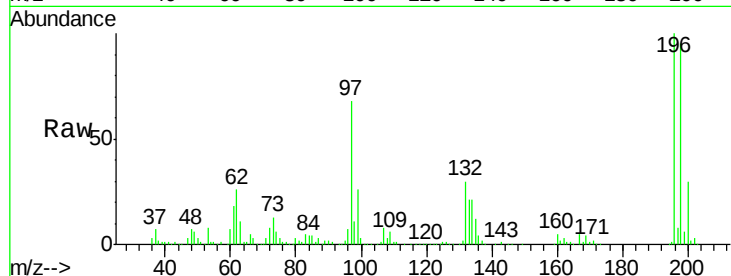




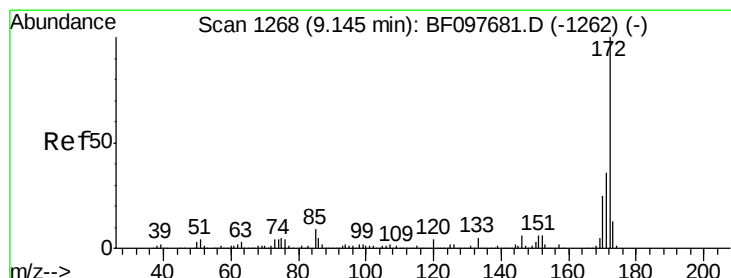
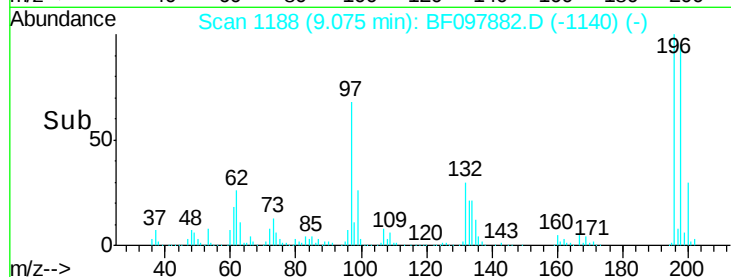
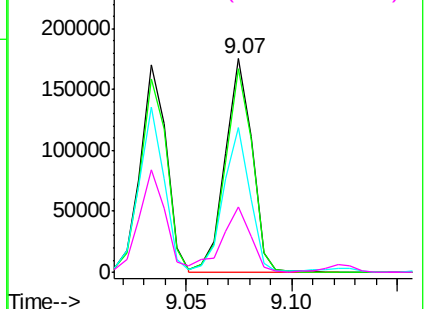
#43
 2,4,5-Trichlorophenol
 Concen: 26.21 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

Tot Ion:196 Resp: 154076
 Ion Ratio Lower Upper
 196 100
 198 95.4 75.7 113.5
 97 67.9 47.7 71.5
 132 30.3 28.0 42.0

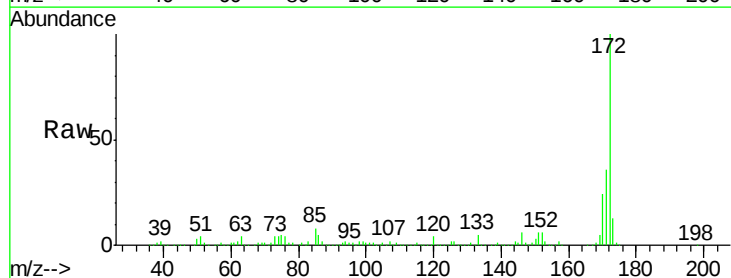


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

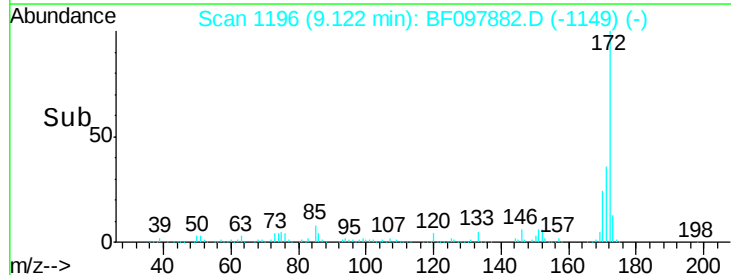
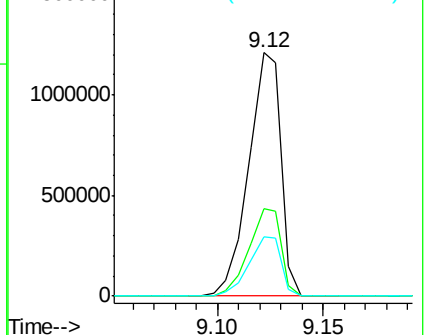


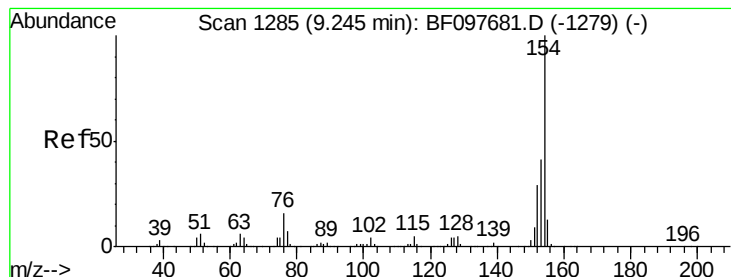
#44
 2-Fluorobiphenyl
 Concen: 65.57 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion:172 Resp: 1283315
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.4 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: 23.10 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

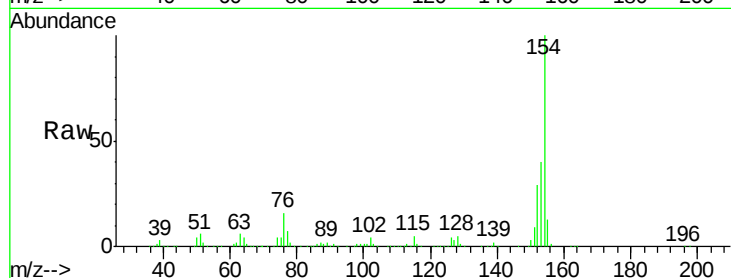
Tot Ion:154 Resp: 605738

Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

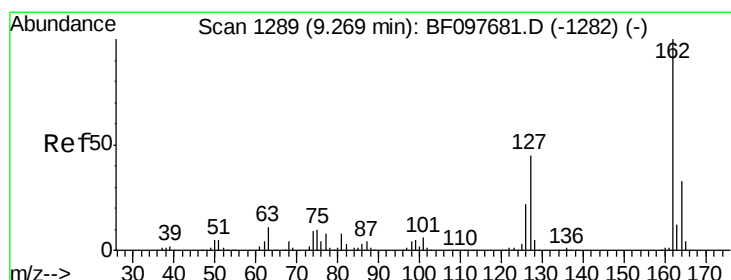
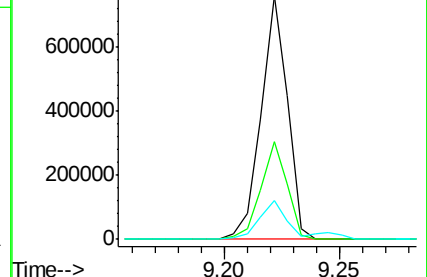
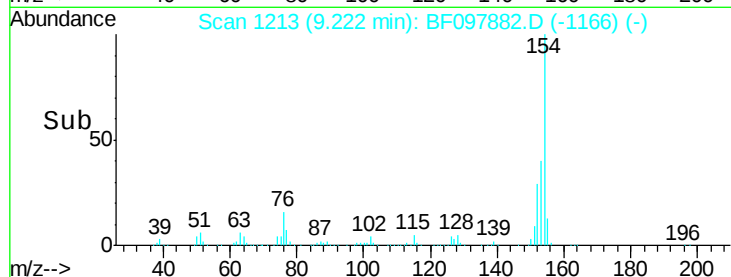
76 16.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 22.62 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

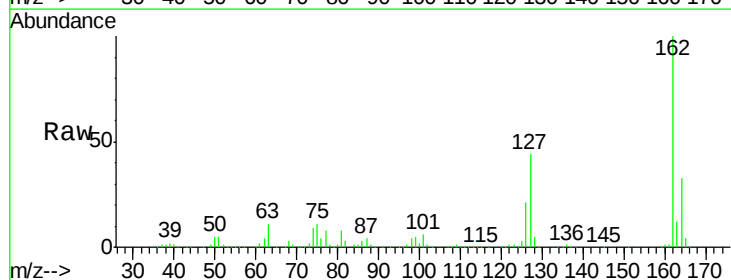
Tgt Ion:162 Resp: 438369

Ion Ratio Lower Upper

162 100

127 43.7 28.3 42.5#

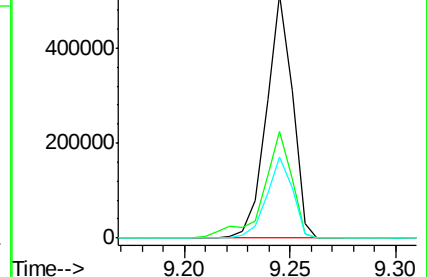
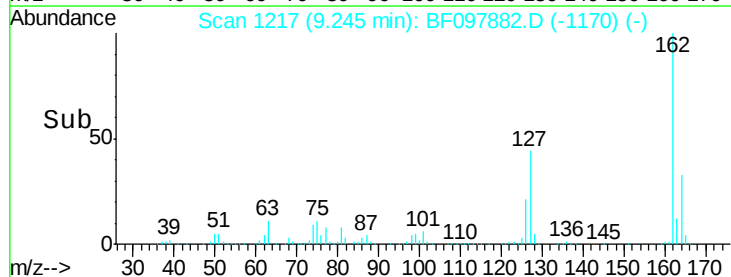
164 33.0 27.0 40.4

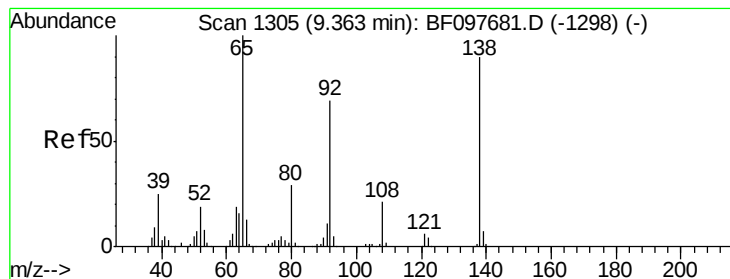


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 26.80 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

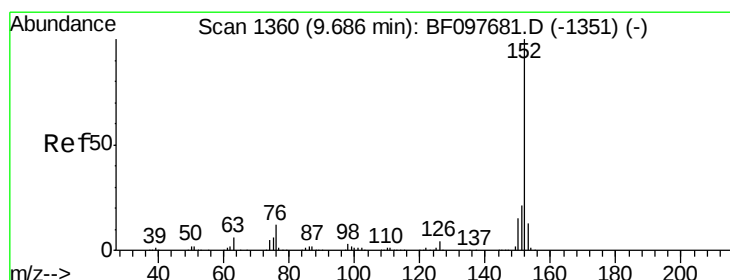
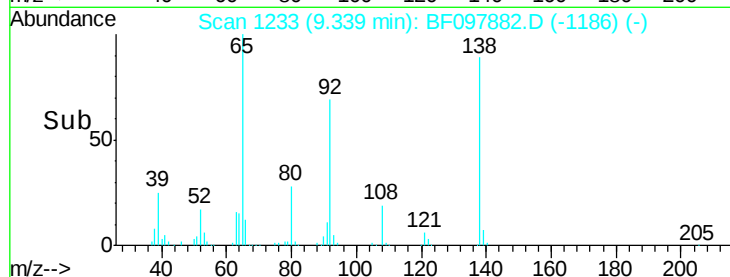
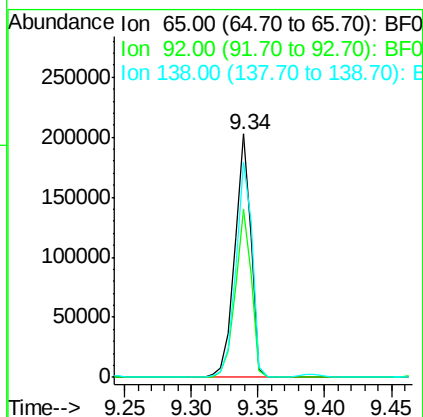
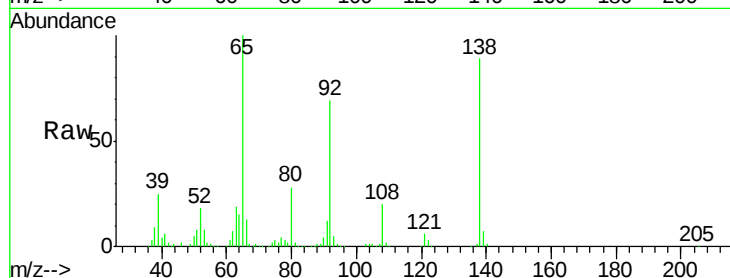
Tot Ion: 65 Resp: 174084

Ion Ratio Lower Upper

65 100

92 69.3 53.9 80.9

138 88.5 78.8 118.2



#48

Acenaphthylene

Concen: 23.42 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

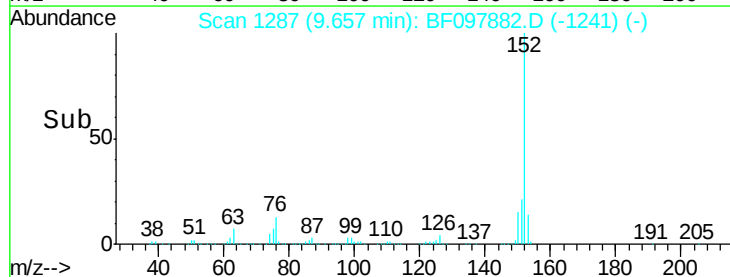
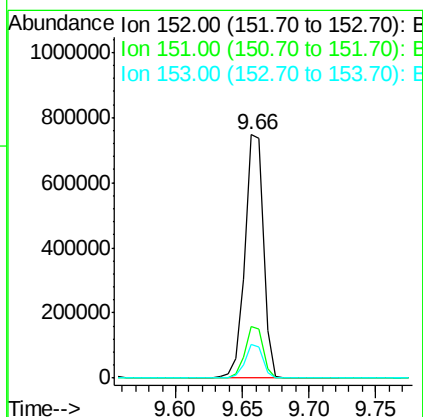
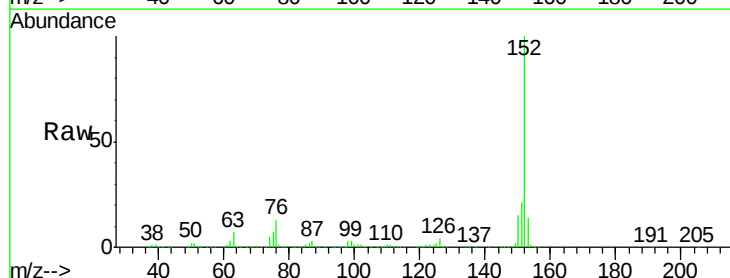
Tgt Ion: 152 Resp: 712742

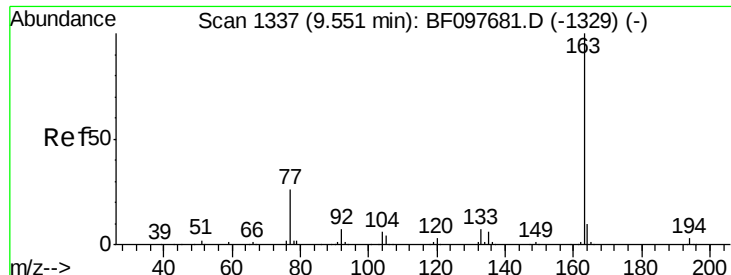
Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

153 13.8 10.8 16.2

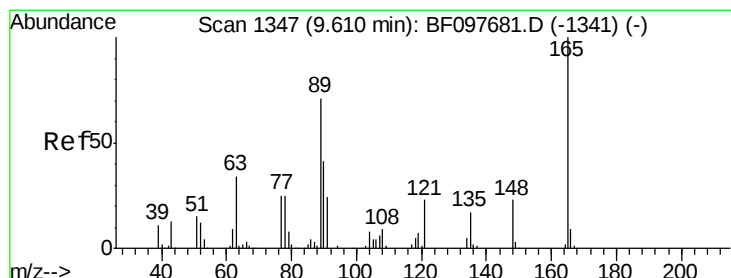
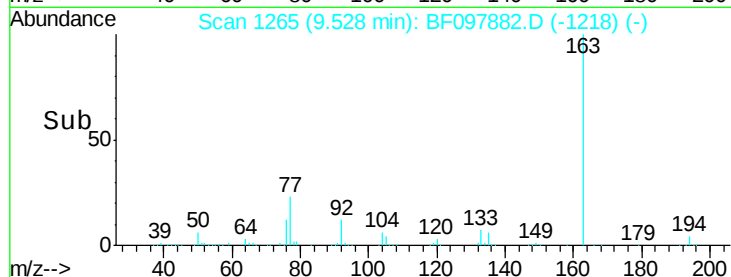
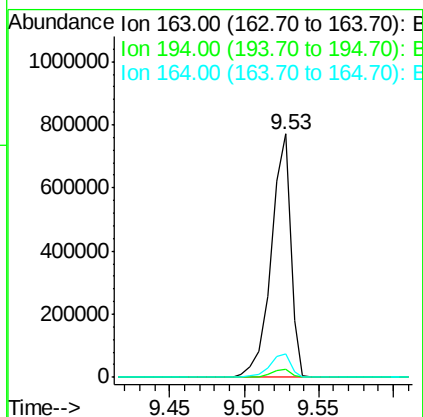
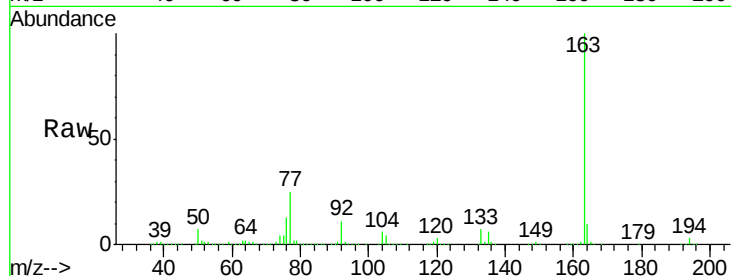




#49
Dimethylphthalate
Concen: 32.91 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

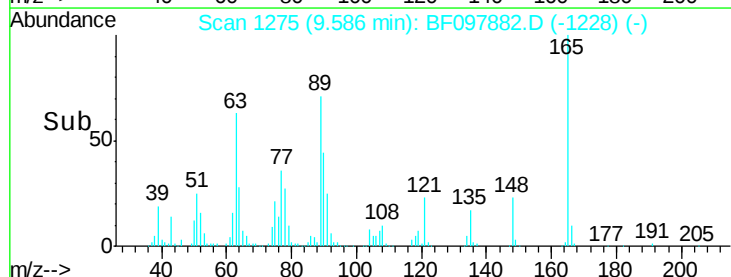
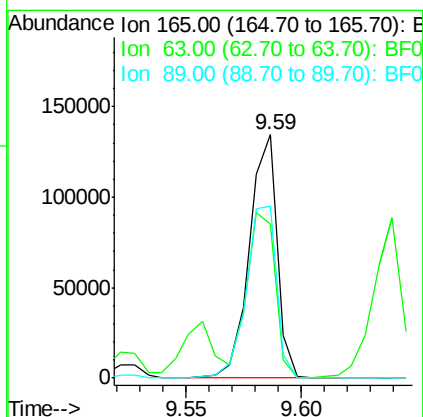
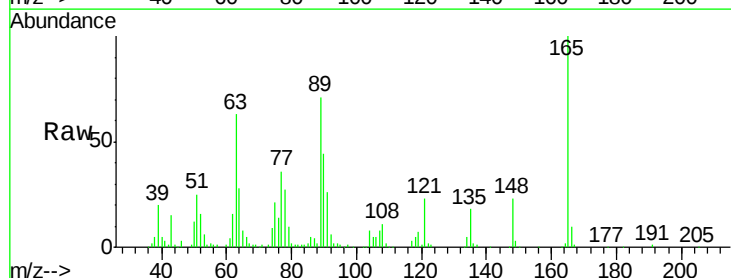
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

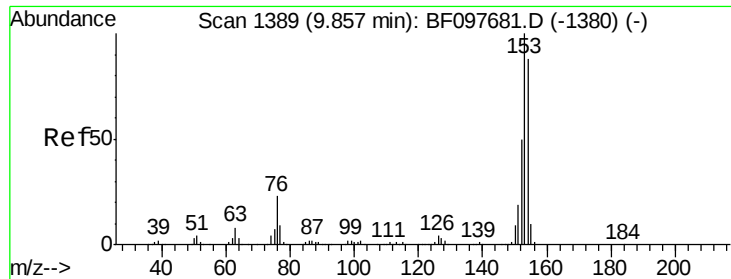
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6



#50
2,6-Dinitrotoluene
Concen: 27.03 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	63.0	34.3	51.5#
89	70.5	37.1	55.7#





#51

Acenaphthene

Concen: 23.90 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

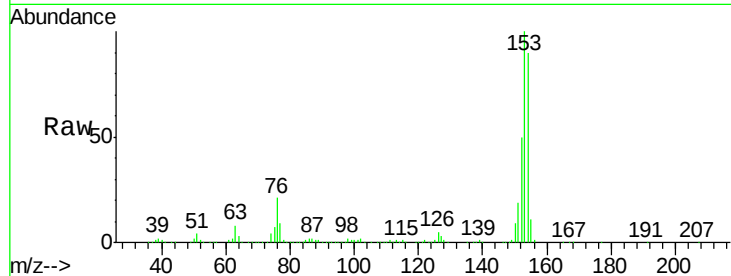
Tot Ion:154 Resp: 458659

Ion Ratio Lower Upper

154 100

153 111.4 90.5 135.7

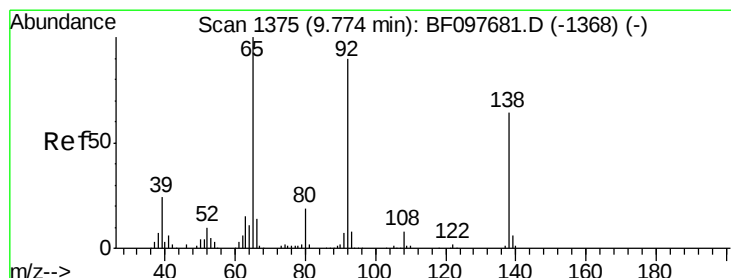
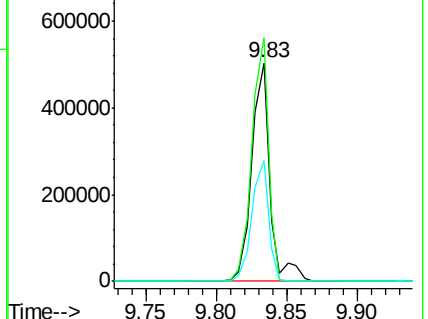
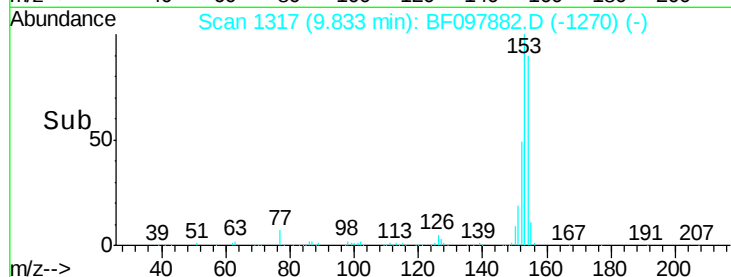
152 55.2 43.6 65.4



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: 18.00 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

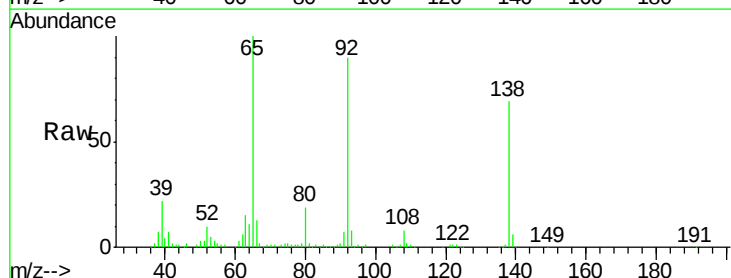
Tgt Ion:138 Resp: 97450

Ion Ratio Lower Upper

138 100

108 11.1 9.1 13.7

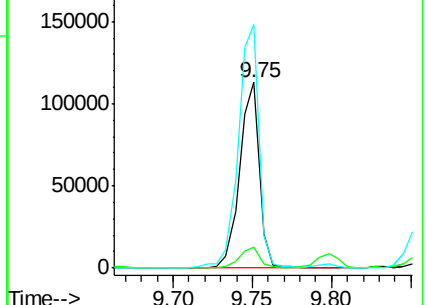
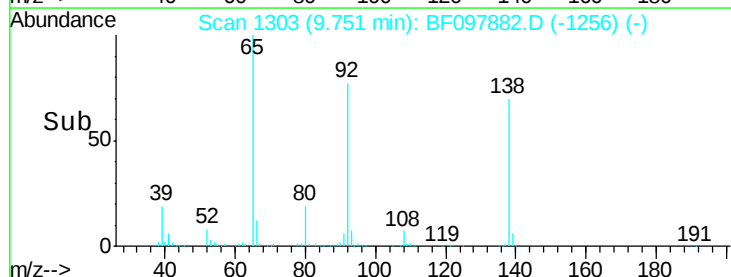
92 131.1 93.8 140.6

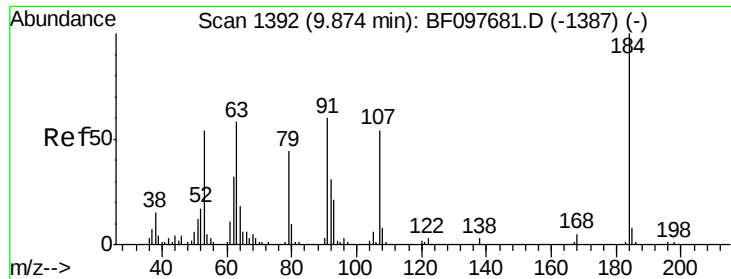


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

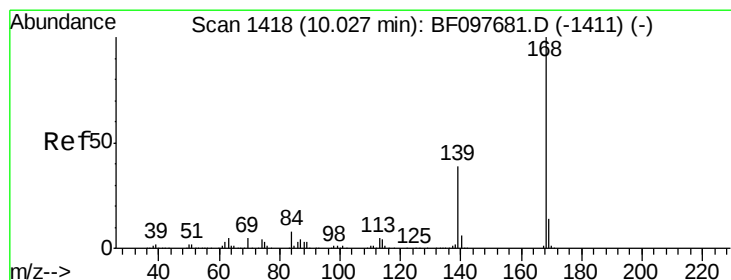
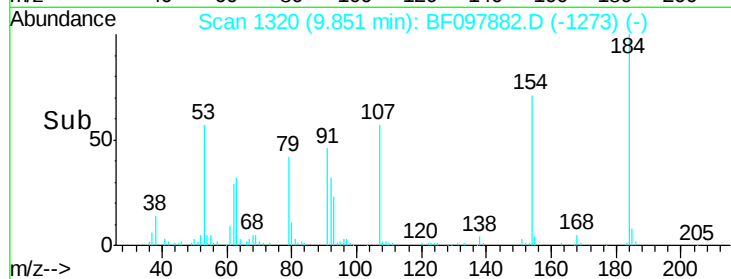
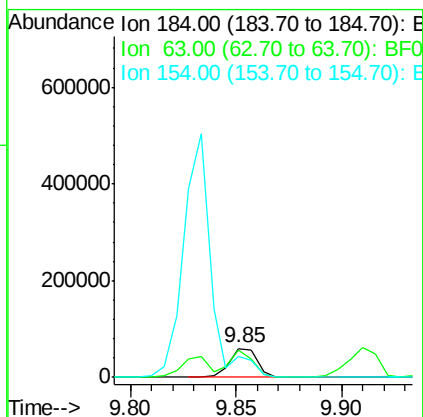
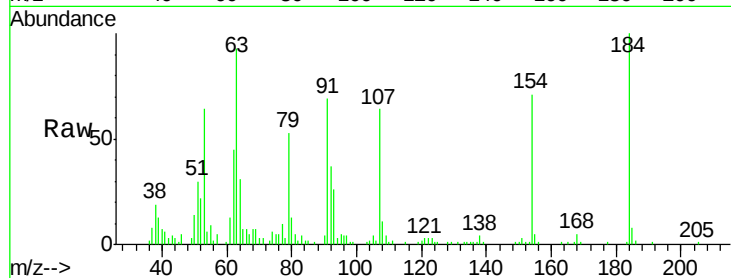




#53
2,4-Dinitrophenol
Concen: 33.49 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

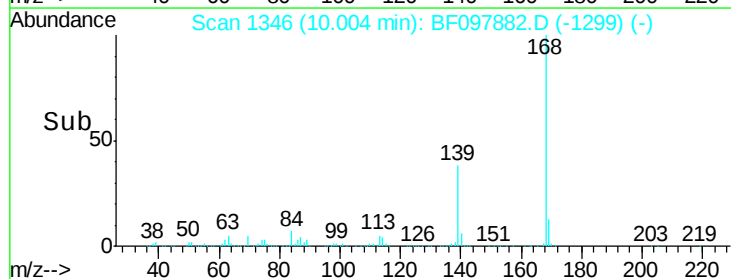
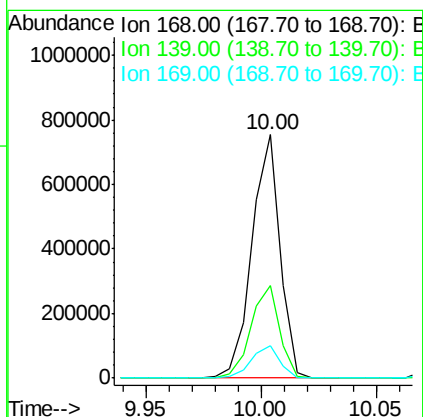
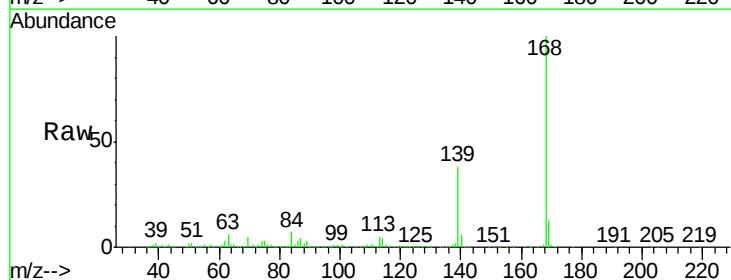
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

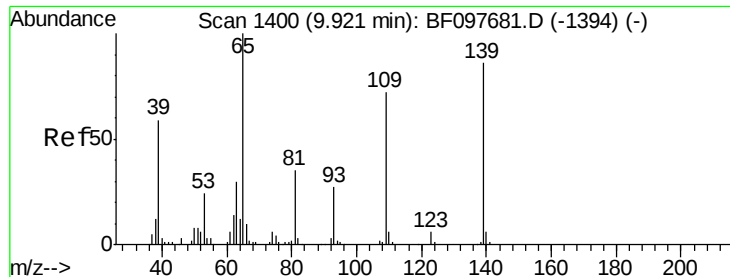
Tot Ion:184 Resp: 53362
Ion Ratio Lower Upper
184 100
63 92.8 62.7 94.1
154 70.7 81.1 121.7#



#54
Dibenzofuran
Concen: 24.92 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:168 Resp: 641017
Ion Ratio Lower Upper
168 100
139 37.9 30.6 45.8
169 13.2 10.8 16.2

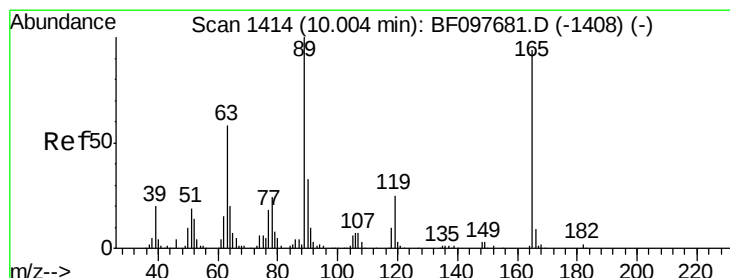
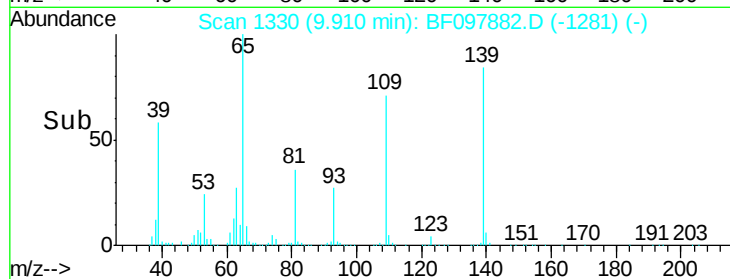
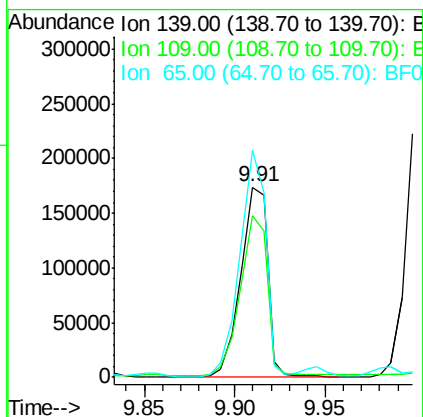
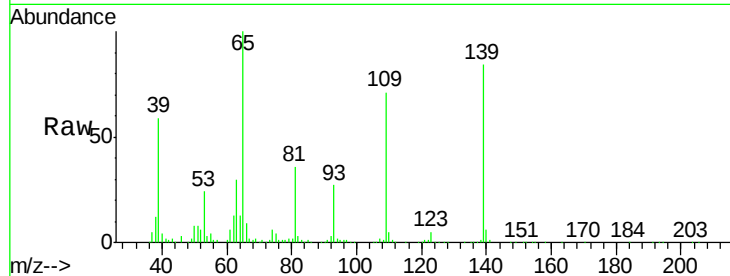




#55
4-Nitrophenol
Concen: 42.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

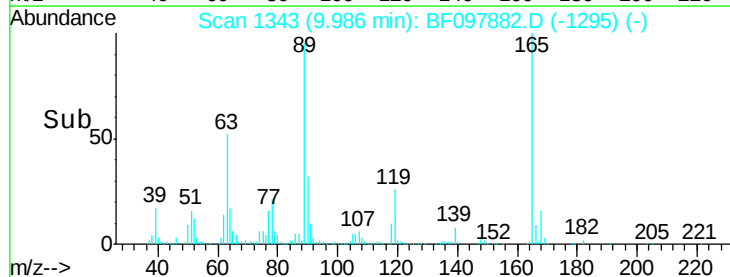
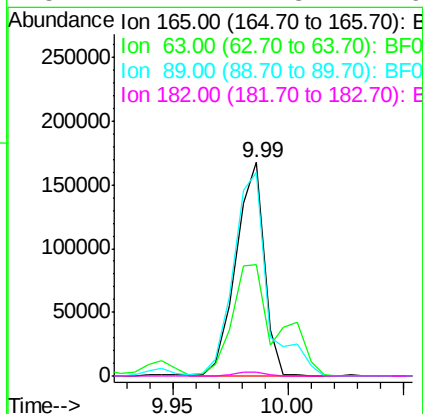
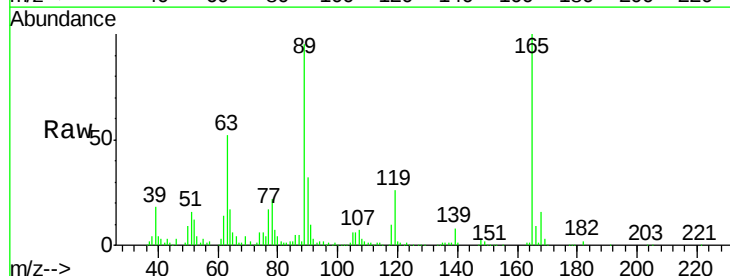
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

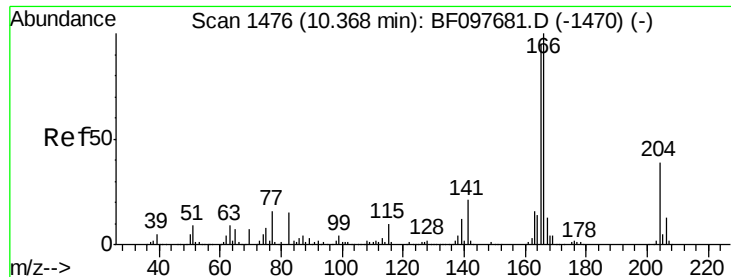
Tot Ion:139 Resp: 181362
Ion Ratio Lower Upper
139 100
109 84.8 34.1 74.1#
65 119.1 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 27.22 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:165 Resp: 143308
Ion Ratio Lower Upper
165 100
63 52.3 25.4 38.0#
89 95.1 46.4 69.6#
182 2.1 1.8 2.6





#57

Fluorene

Concen: 23.11 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

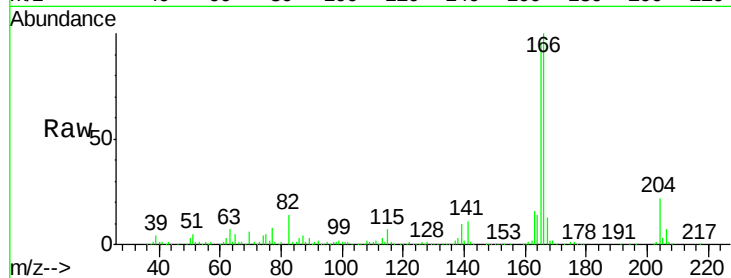
Tot Ion:166 Resp: 459518

Ion Ratio Lower Upper

166 100

165 96.3 78.8 118.2

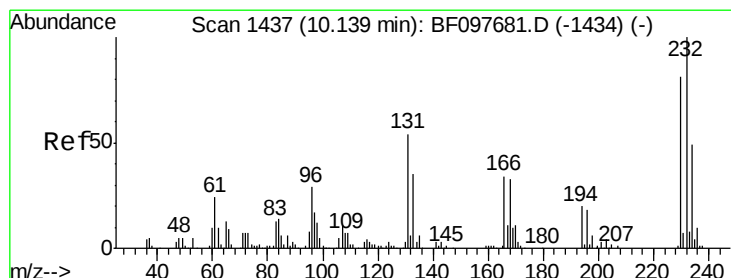
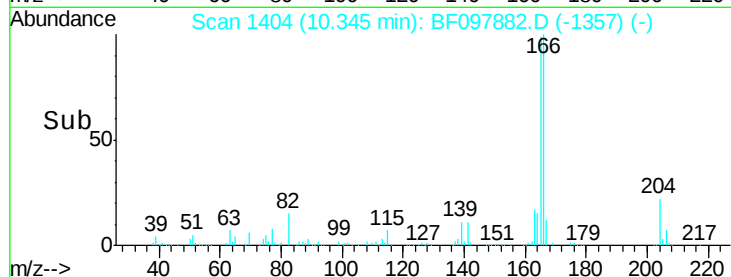
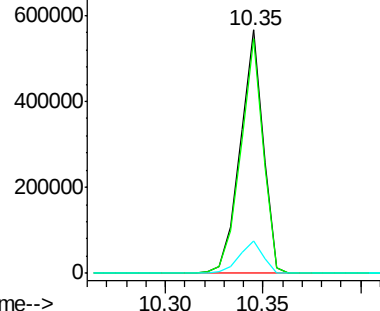
167 13.2 10.6 16.0



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: 26.44 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Tgt Ion:232 Resp: 120340

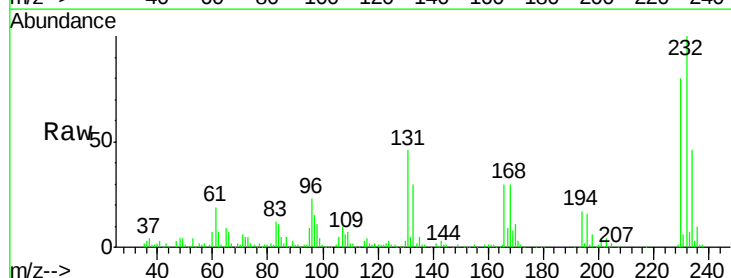
Ion Ratio Lower Upper

232 100

131 53.2 44.8 67.2

130 3.1 2.3 3.5

166 32.8 29.0 43.4

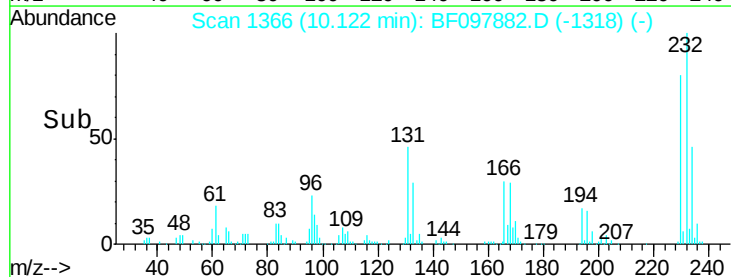
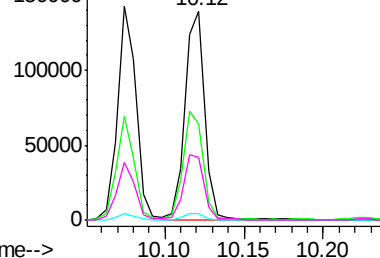


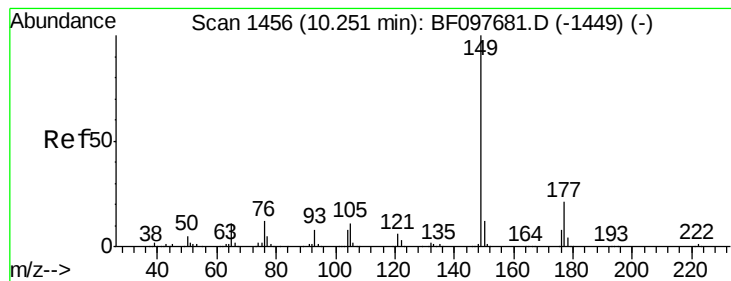
Abundance Ion 232.00 (231.70 to 232.70): E

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: 26.32 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

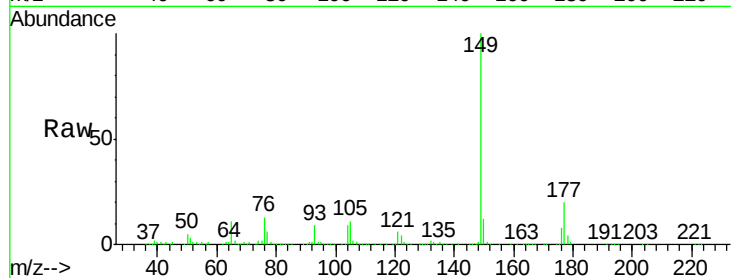
Tot Ion:149 Resp: 578547

Ion Ratio Lower Upper

149 100

177 19.7 16.7 25.1

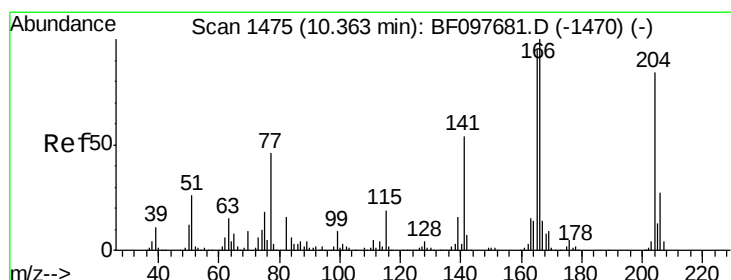
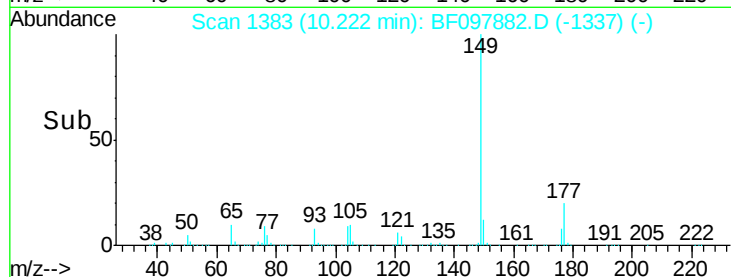
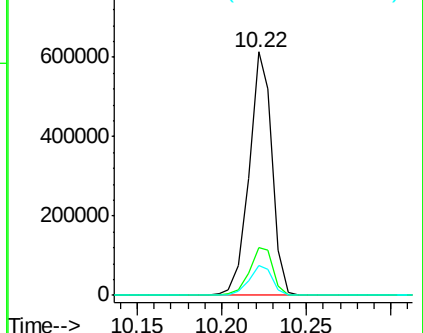
150 12.3 10.2 15.2



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: 24.54 ng

RT: 10.34 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

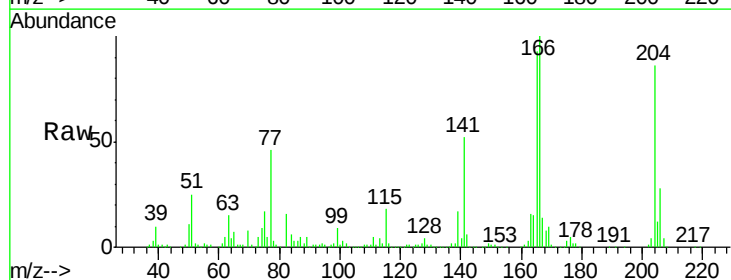
Tgt Ion:204 Resp: 226684

Ion Ratio Lower Upper

204 100

206 32.8 26.2 39.2

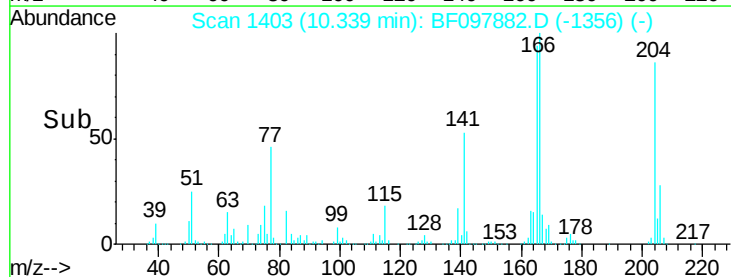
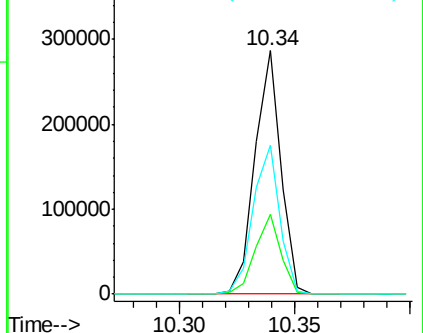
141 61.1 60.8 91.2

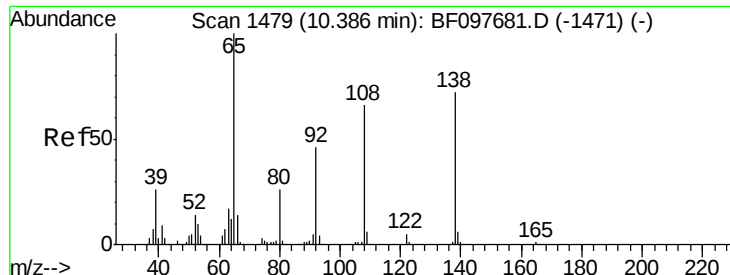


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

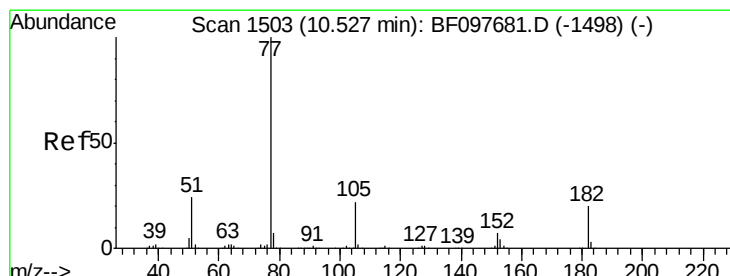
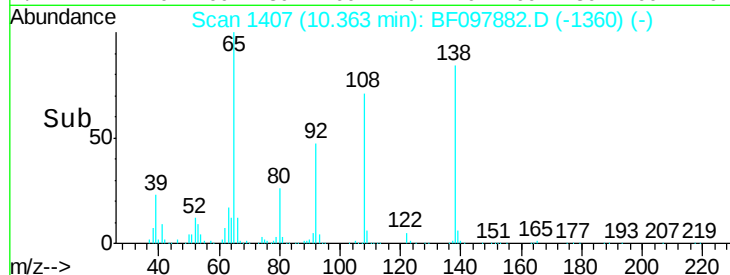
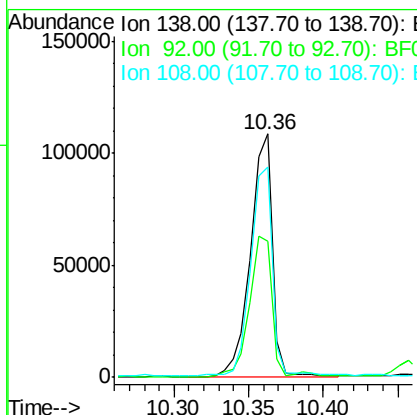
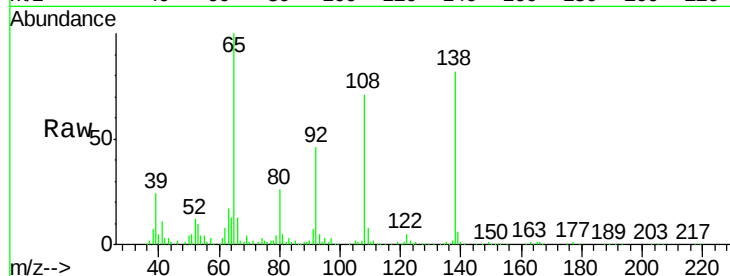




#61
 4-Nitroaniline
 Concen: 21.64 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

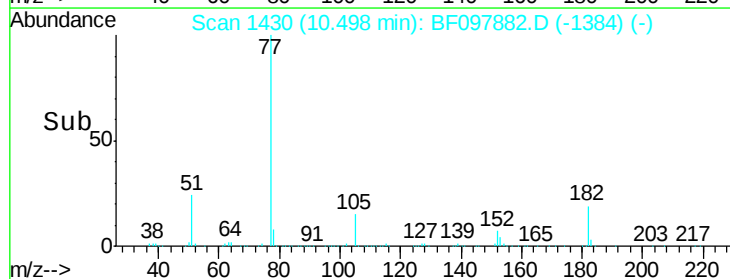
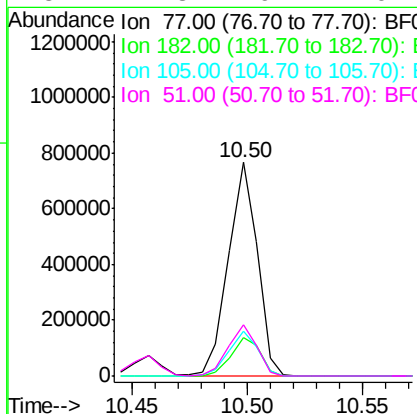
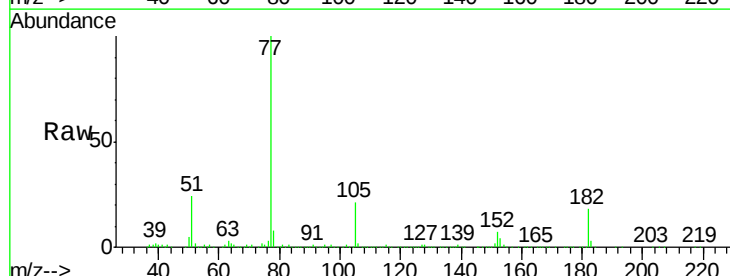
Instrument :
 BNA_F
 ClientSampled :
 PI-1(3)MSD

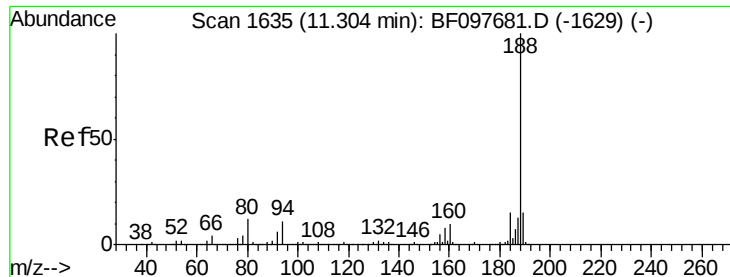
Tot Ion:138 Resp: 111356
 Ion Ratio Lower Upper
 138 100
 92 56.1 21.8 61.8
 108 86.2 42.3 82.3#



#62
 Azobenzene
 Concen: 25.43 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.03 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion: 77 Resp: 664119
 Ion Ratio Lower Upper
 77 100
 182 18.2 0.1 40.1
 105 20.9 3.6 43.6
 51 24.3 9.4 49.4

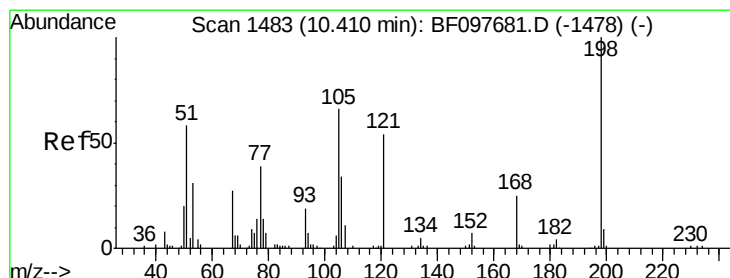
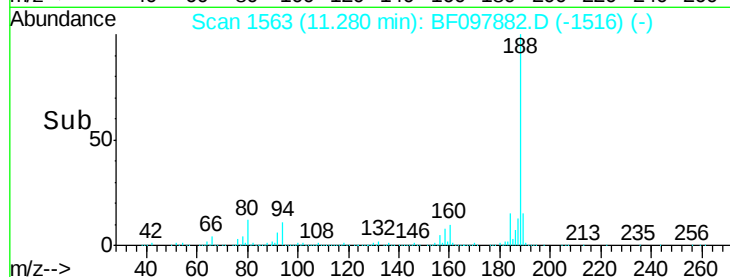
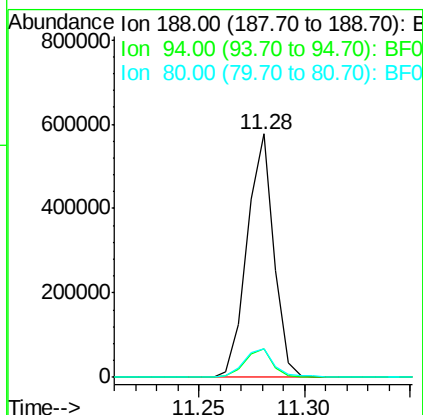
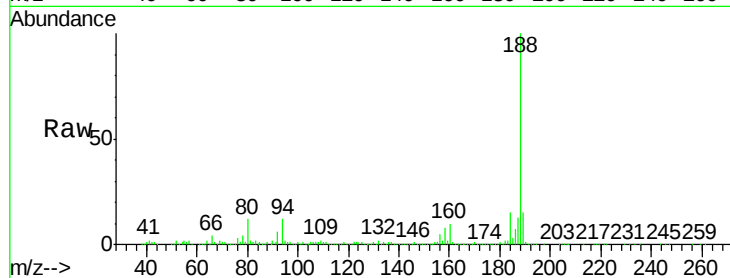




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

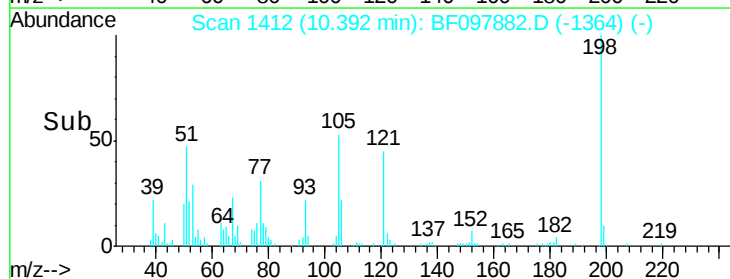
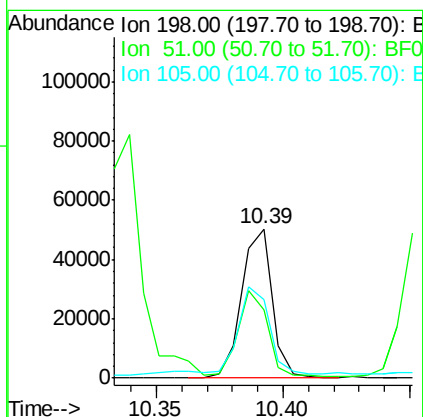
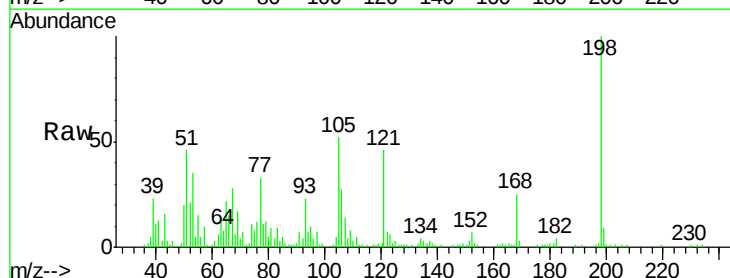
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

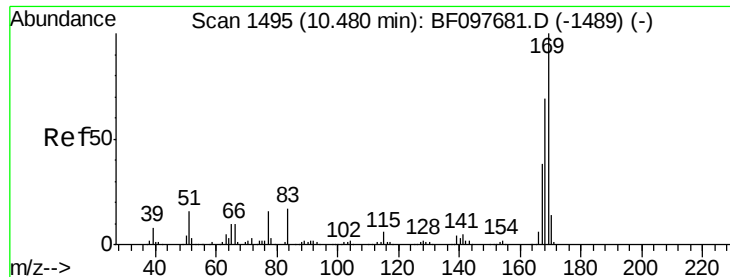
Tot Ion:188 Resp: 505687
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 12.0 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 23.00 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:198 Resp: 42319
Ion Ratio Lower Upper
198 100
51 45.6 53.2 93.2#
105 52.5 45.8 85.8

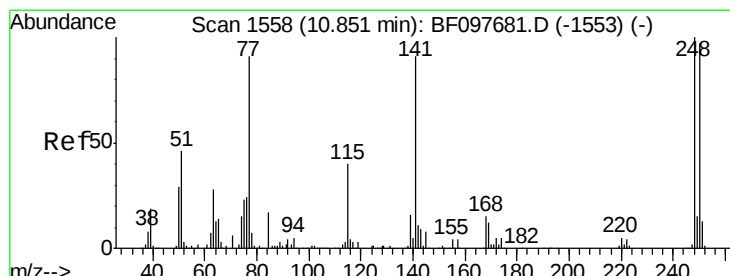
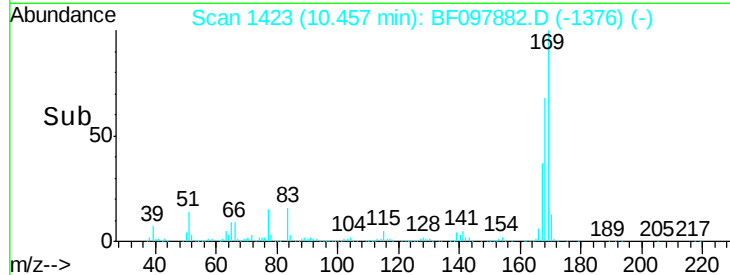
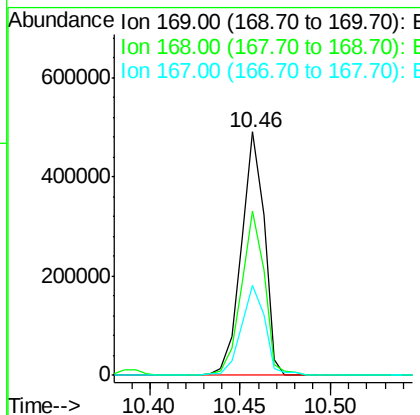
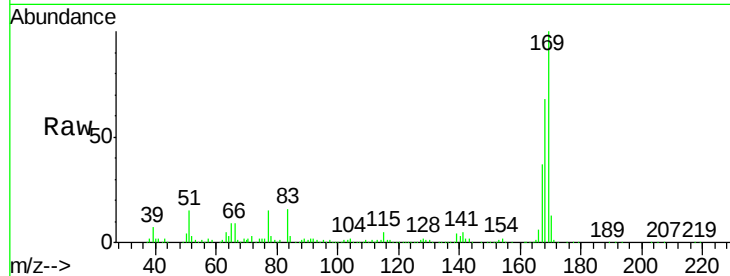




#65
 n-Nitrosodiphenylamine
 Concen: 25.11 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

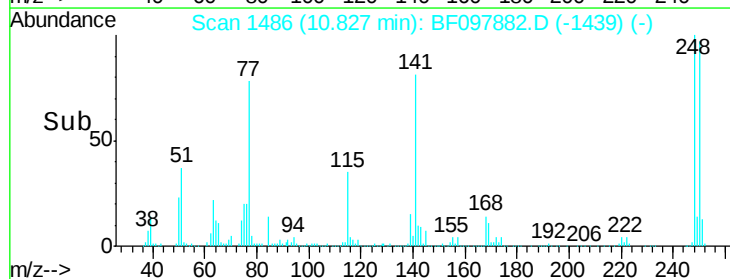
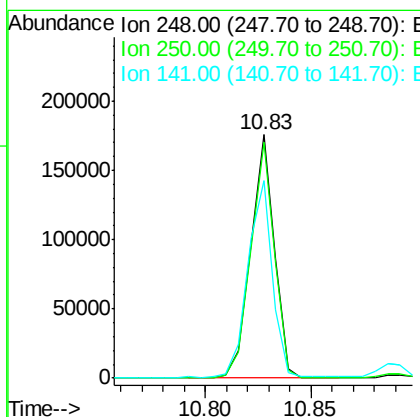
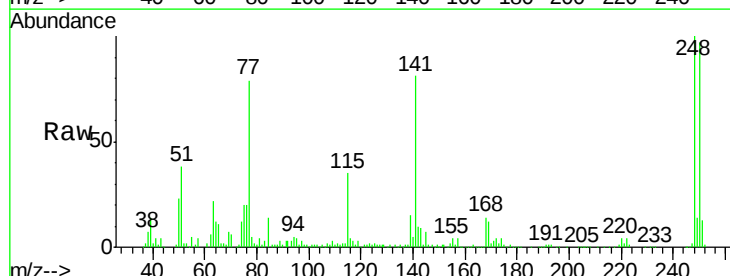
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

Tot Ion:169 Resp: 432331
 Ion Ratio Lower Upper
 169 100
 168 67.5 53.2 79.8
 167 36.9 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 26.23 ng
 RT: 10.83 min Scan# 1486
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion:248 Resp: 137738
 Ion Ratio Lower Upper
 248 100
 250 96.8 76.8 115.2
 141 81.3 68.6 103.0

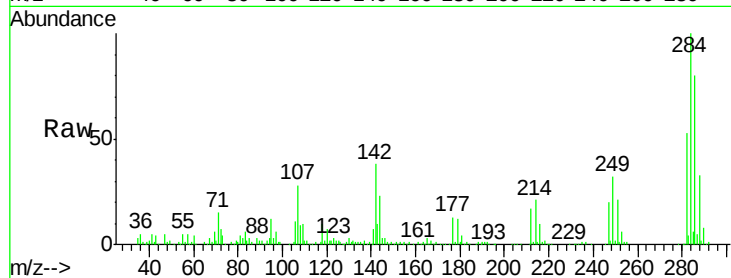




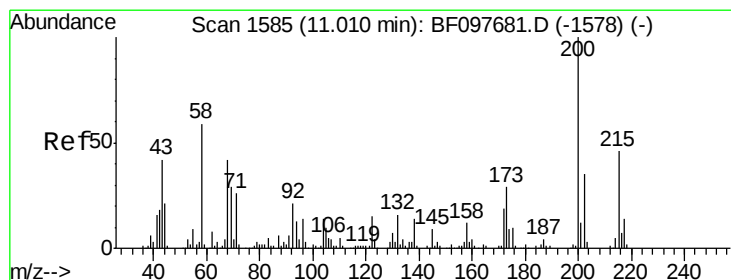
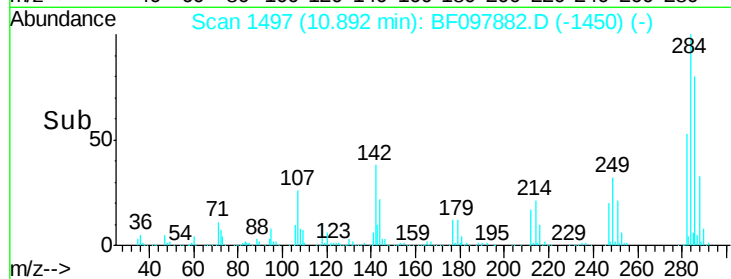
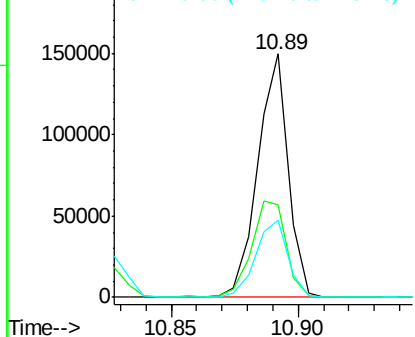
#67
Hexachlorobenzene
Concen: 23.31 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

Tot Ion:284 Resp: 124740
Ion Ratio Lower Upper
284 100
142 37.8 22.8 34.2#
249 31.7 24.0 36.0

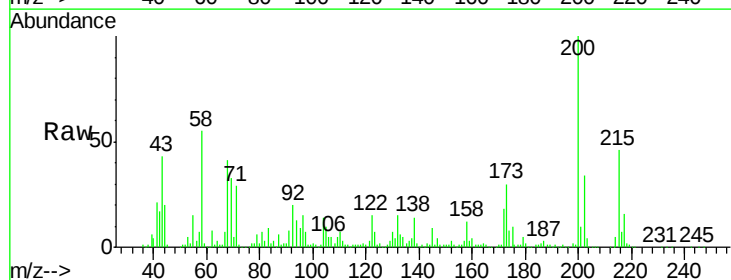


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

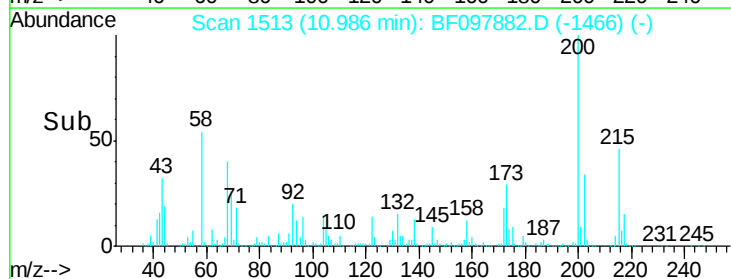
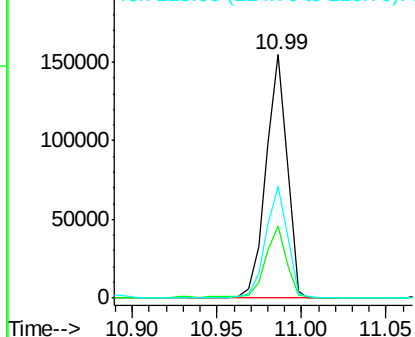


#68
Atrazine
Concen: 29.22 ng
RT: 10.99 min Scan# 1513
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:200 Resp: 133422
Ion Ratio Lower Upper
200 100
173 29.8 6.3 46.3
215 45.9 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

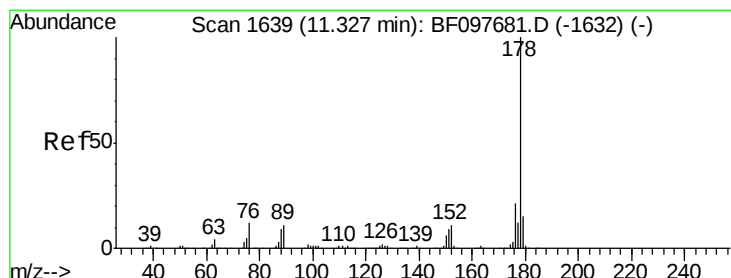
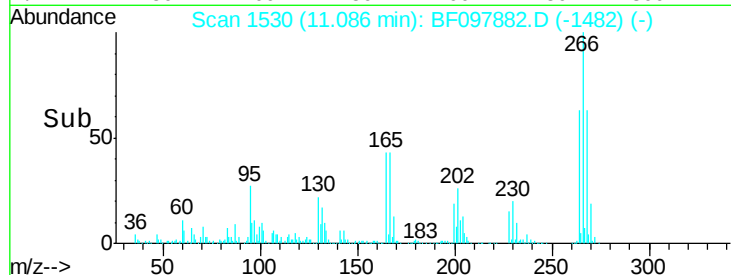
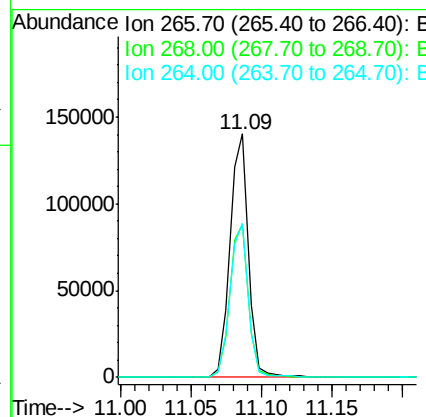
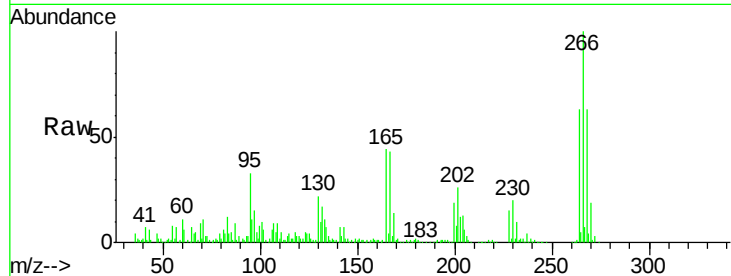




#69
 Pentachlorophenol
 Concen: 40.78 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

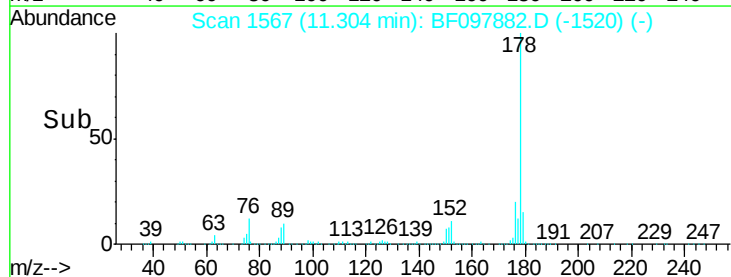
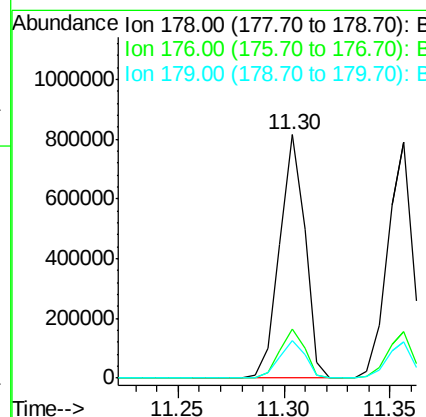
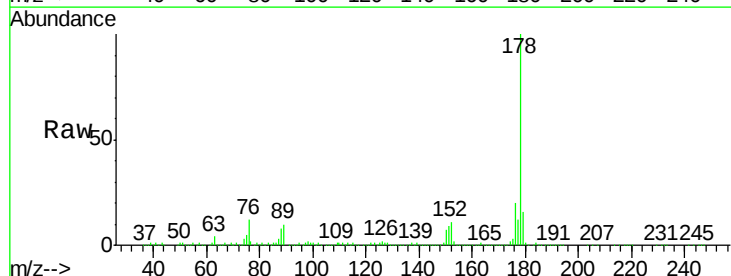
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

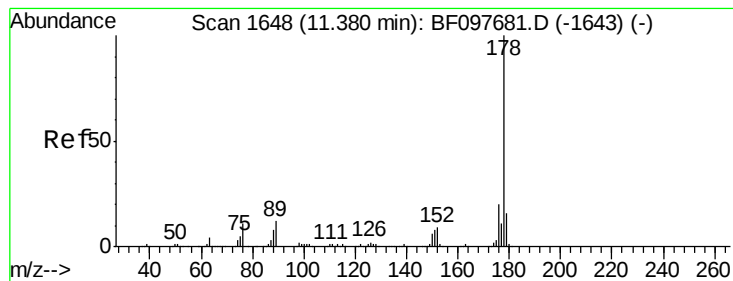
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.8	51.1	76.7
264	63.2	51.7	77.5



#70
 Phenanthrene
 Concen: 25.23 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.7	12.6	19.0





#71

Anthracene

Concen: 23.79 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

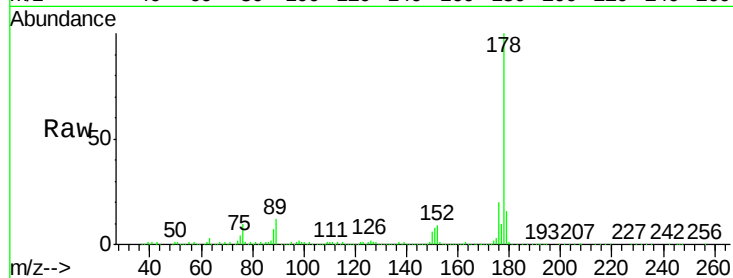
Tot Ion:178 Resp: 650071

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

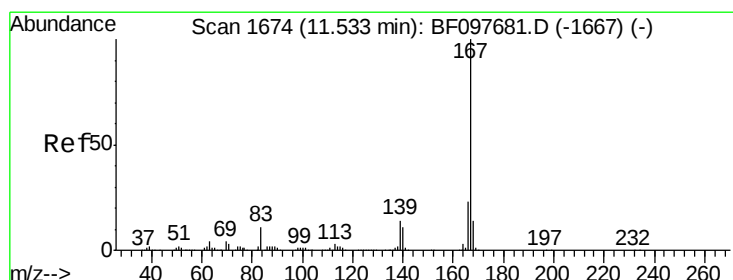
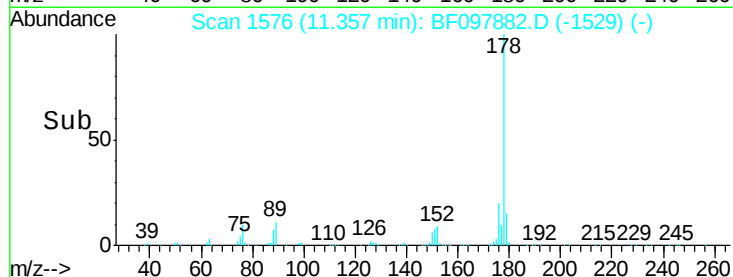
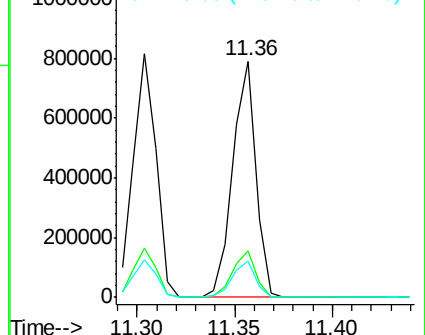
179 15.5 12.7 19.1



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: 22.20 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

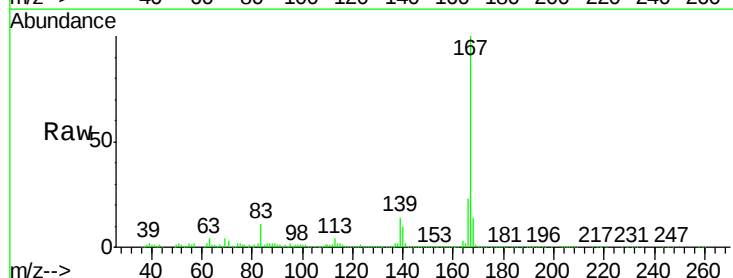
Tgt Ion:167 Resp: 575947

Ion Ratio Lower Upper

167 100

166 22.8 18.1 27.1

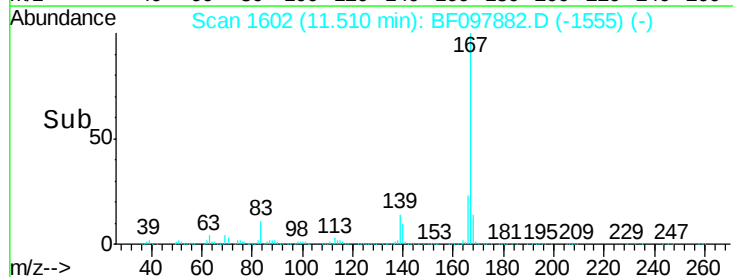
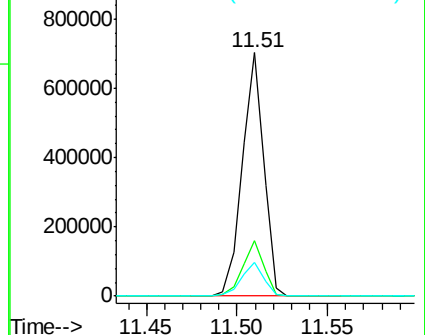
139 13.7 11.7 17.5



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

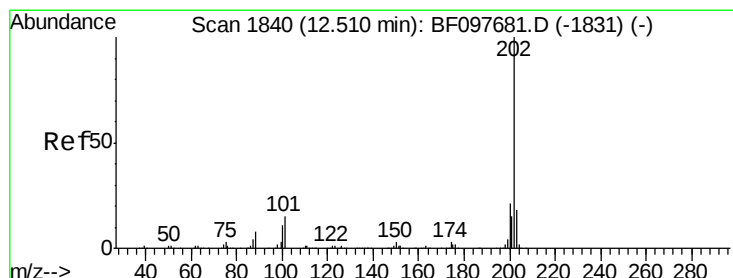
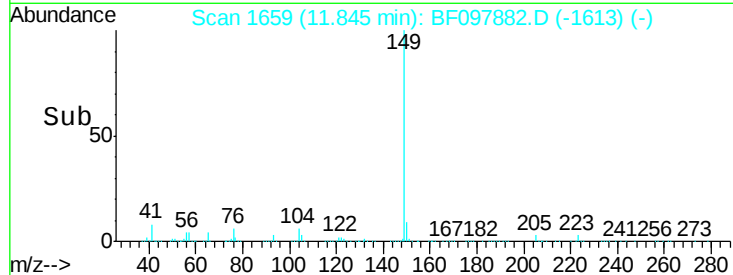
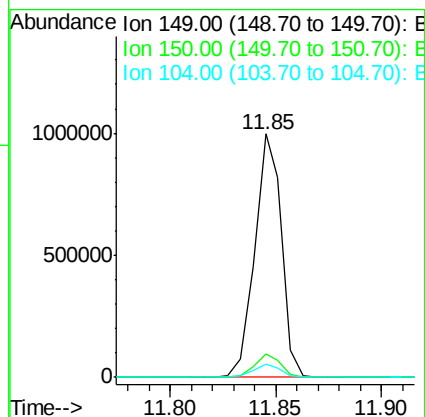
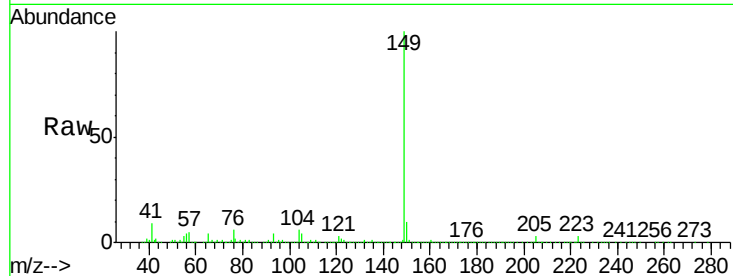




#73
Di-n-butylphthalate
Concen: 28.99 ng
RT: 11.85 min Scan# 1659
Delta R.T. -0.03 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

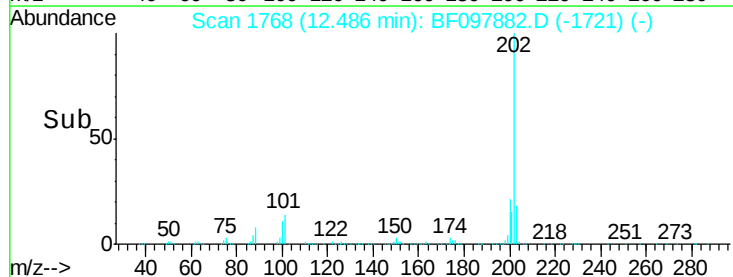
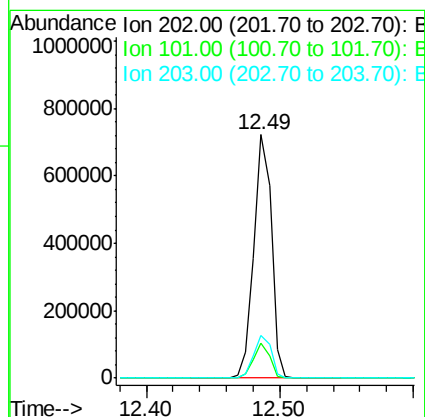
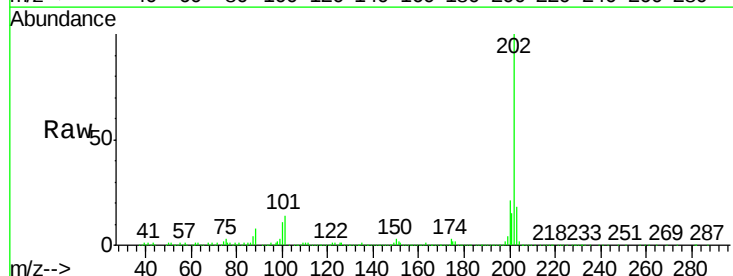
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

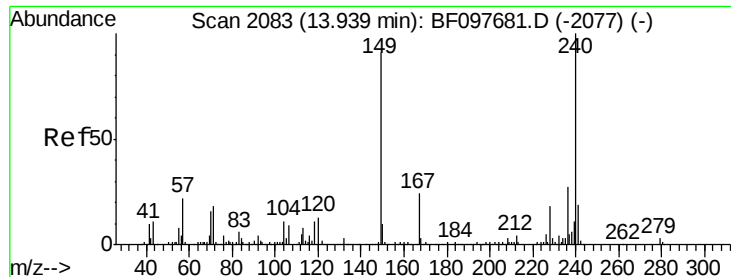
Tot Ion:149 Resp: 866402
Ion Ratio Lower Upper
149 100
150 9.5 7.7 11.5
104 5.7 4.0 6.0



#74
Fluoranthene
Concen: 22.94 ng
RT: 12.49 min Scan# 1768
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:202 Resp: 645119
Ion Ratio Lower Upper
202 100
101 14.4 0.0 33.2
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

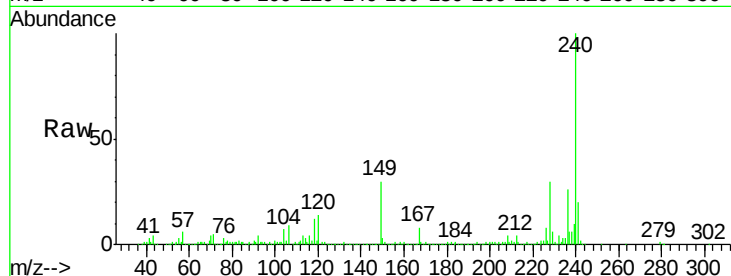
Tot Ion:240 Resp: 280090

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

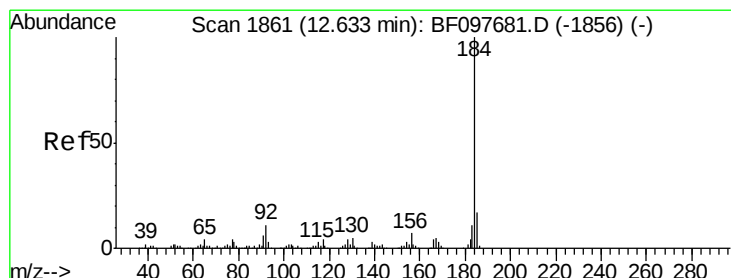
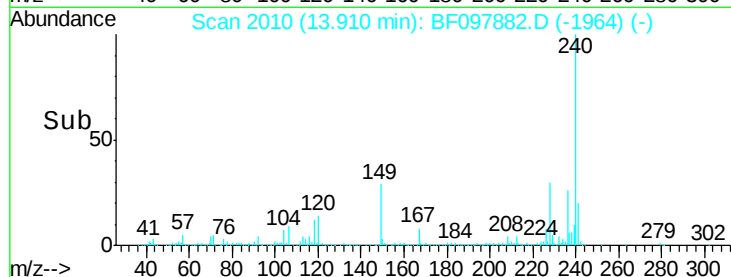
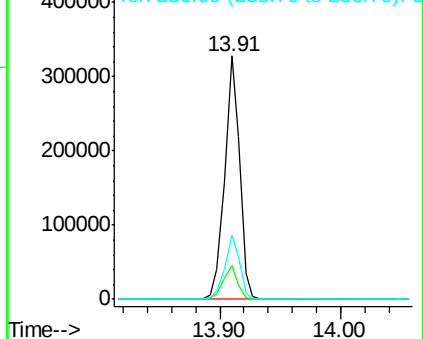
236 26.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.78 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

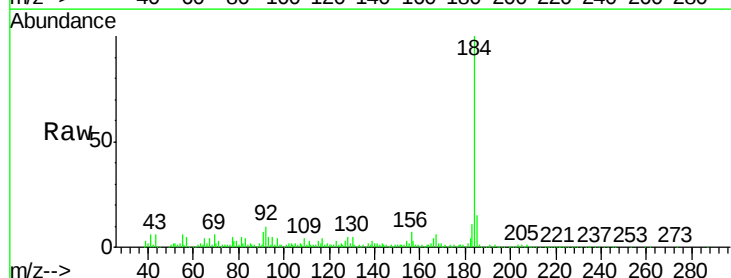
Tgt Ion:184 Resp: 154132

Ion Ratio Lower Upper

184 100

185 15.1 15.5 23.3#

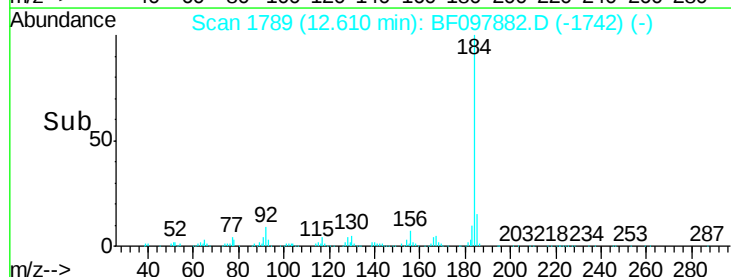
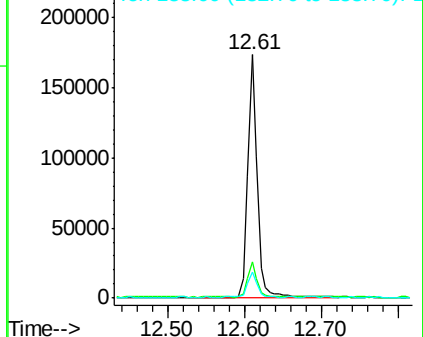
183 10.7 9.8 14.6

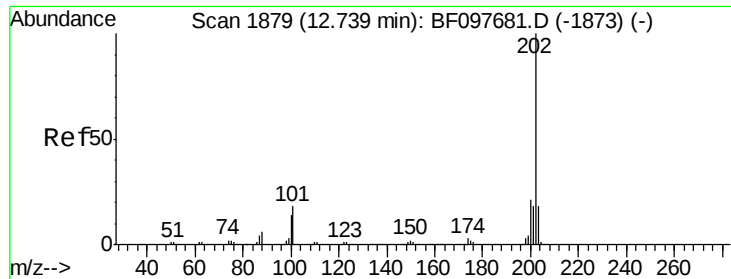


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

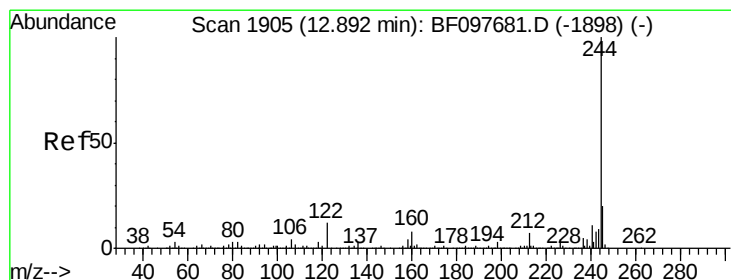
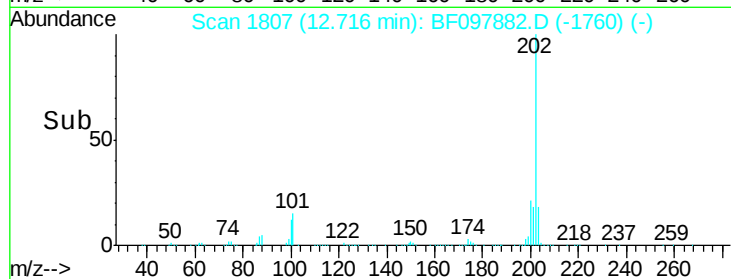
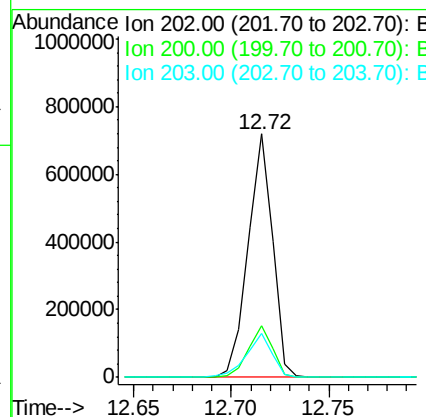
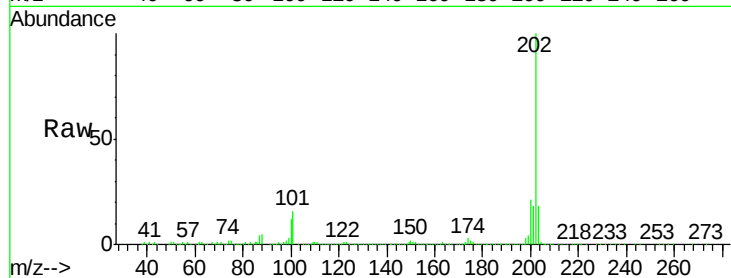




#77
Pvrene
Concen: 27.35 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

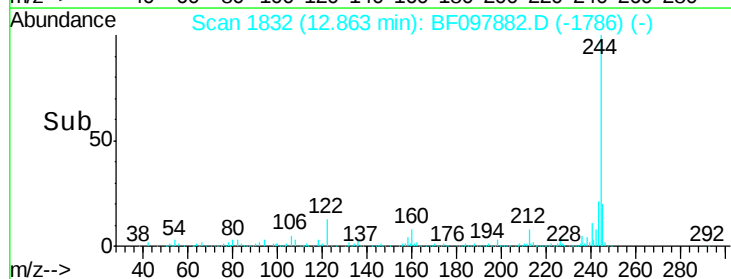
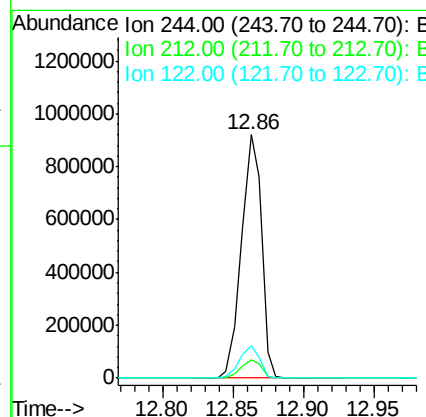
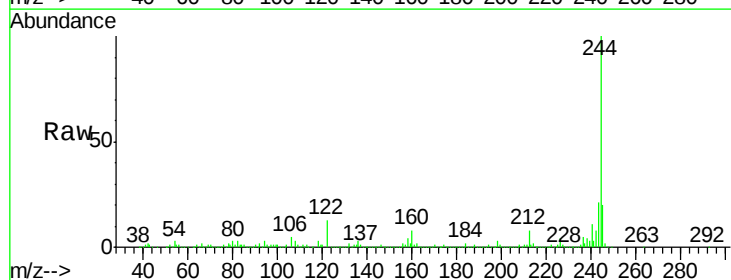
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

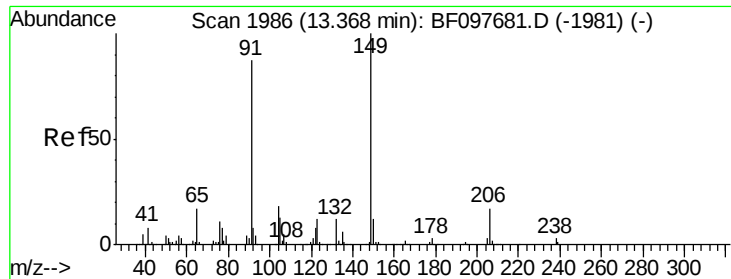
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.9	14.4	21.6



#78
Terphenyl-d14
Concen: 67.79 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.03 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.2	10.3	15.5





#79

Butylbenzylphthalate

Concen: 33.65 ng

RT: 13.34 min Scan# 1913

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

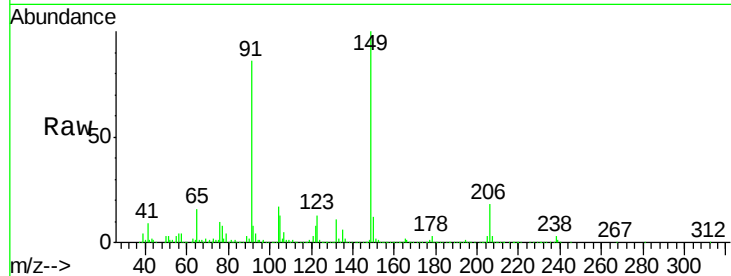
Tot Ion:149 Resp: 295569

Ion Ratio Lower Upper

149 100

91 86.1 45.0 67.4#

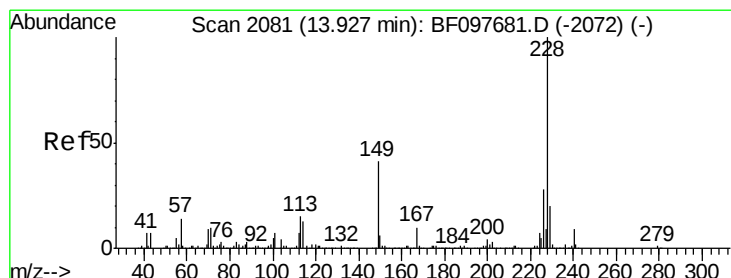
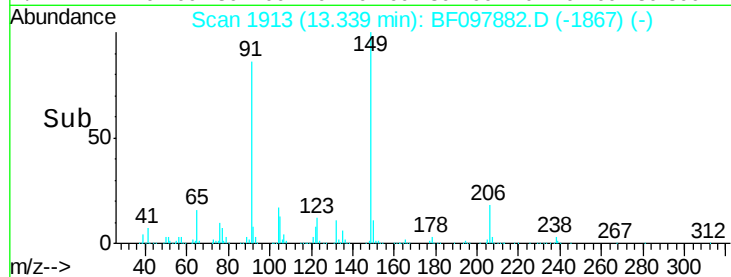
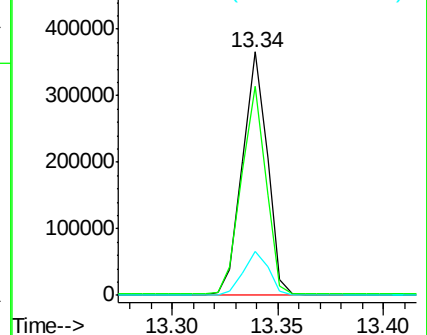
206 18.0 17.0 25.6



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: 23.99 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

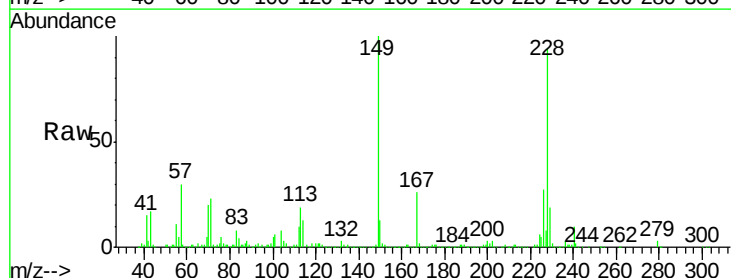
Tgt Ion:228 Resp: 402769

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

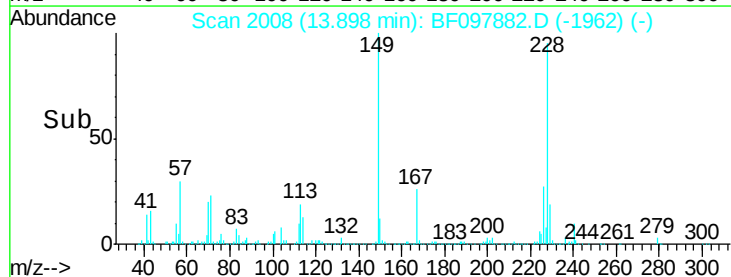
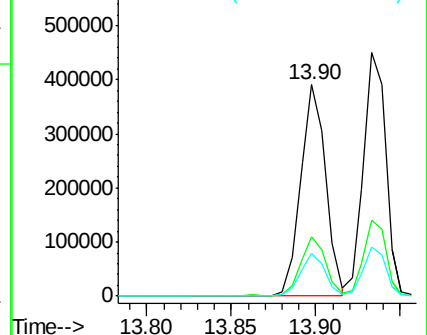
229 20.3 16.3 24.5

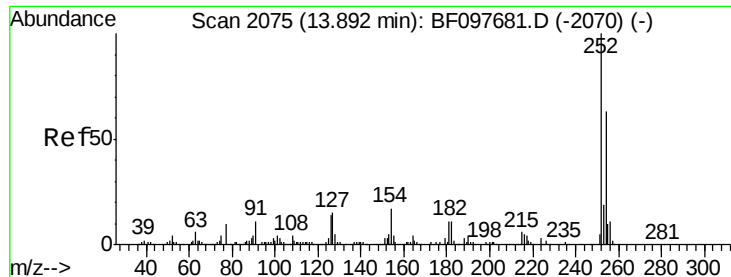


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 20.13 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

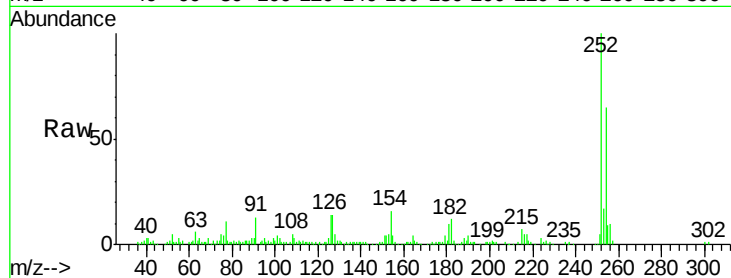
Tot Ion:252 Resp: 114035

Ion Ratio Lower Upper

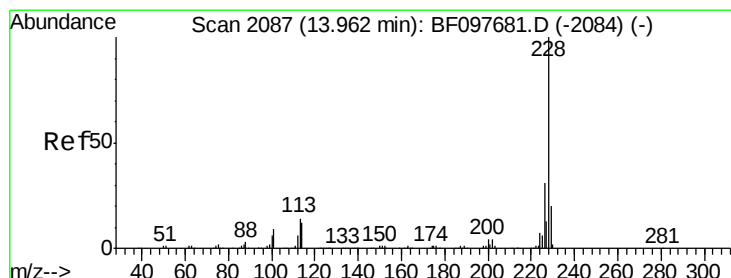
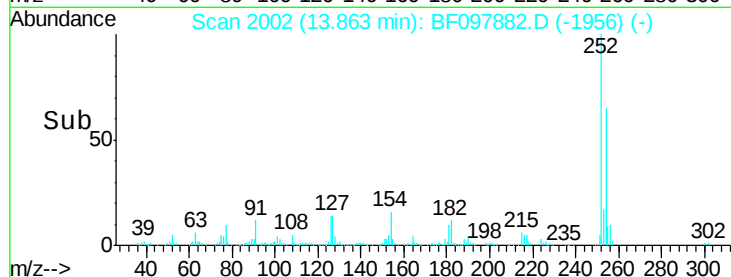
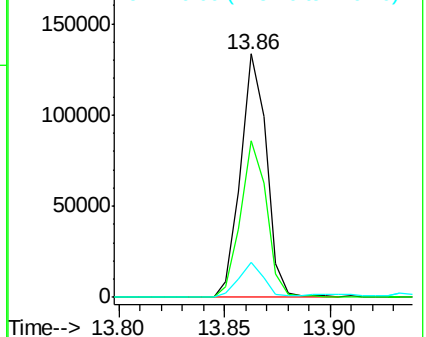
252 100

254 64.5 51.5 77.3

126 14.3 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

Chrysene

Concen: 24.72 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.03 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

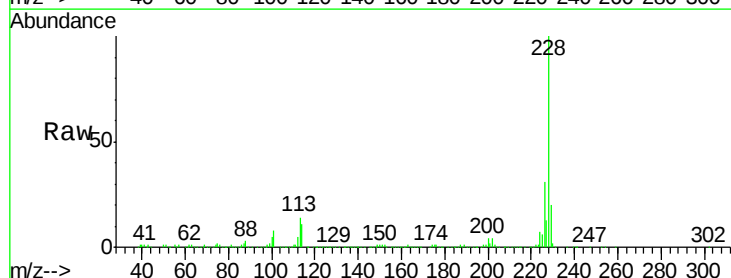
Tgt Ion:228 Resp: 412755

Ion Ratio Lower Upper

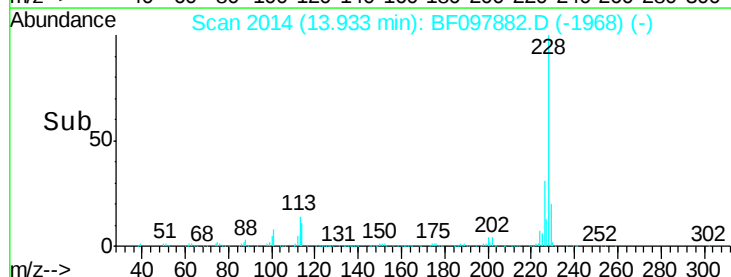
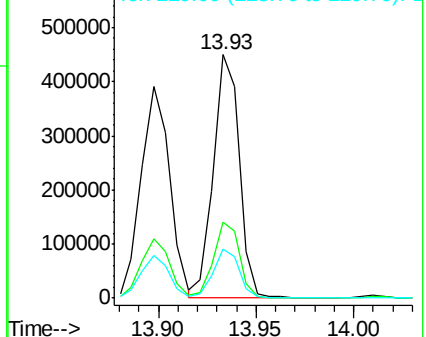
228 100

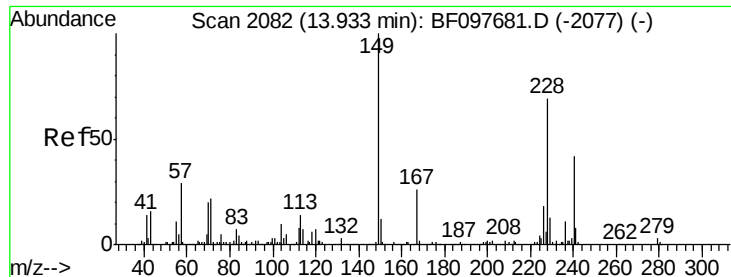
226 31.3 24.9 37.3

229 20.3 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

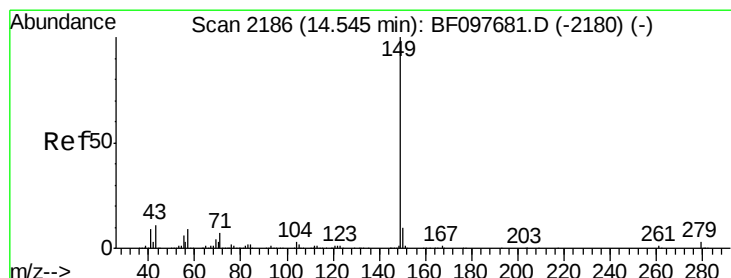
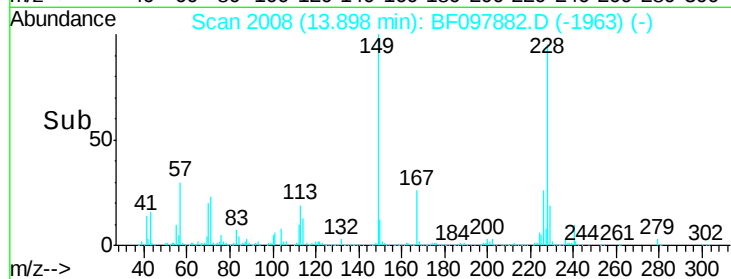
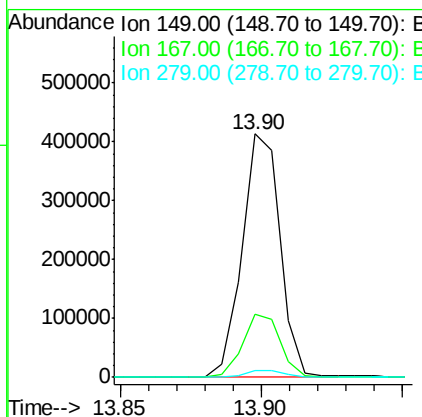
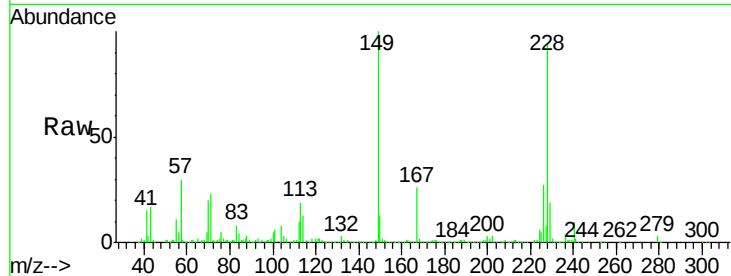




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.38 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.04 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

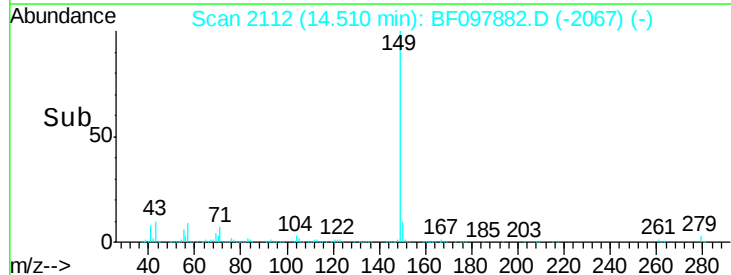
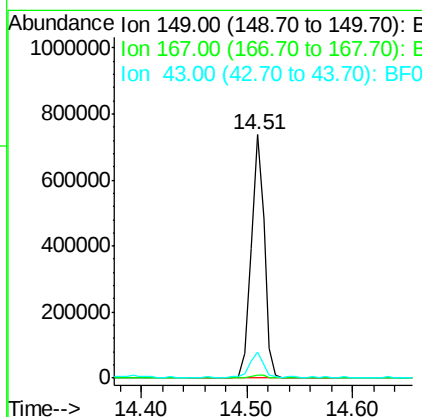
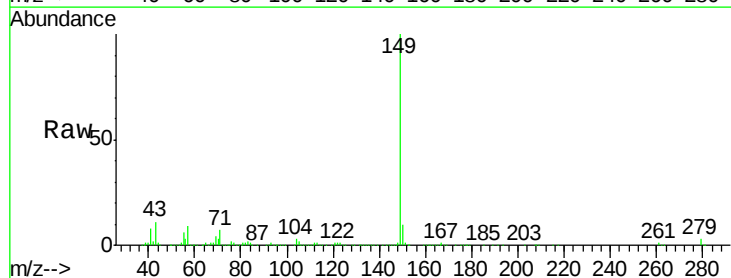
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

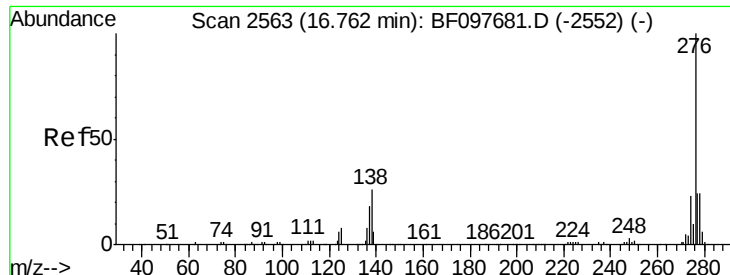
Tot Ion:149 Resp: 383310
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.0 31.4
 279 2.7 1.9 2.9



#84
 Di-n-octyl phthalate
 Concen: 37.53 ng
 RT: 14.51 min Scan# 2112
 Delta R.T. -0.04 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion:149 Resp: 635565
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 10.1 8.5 12.7

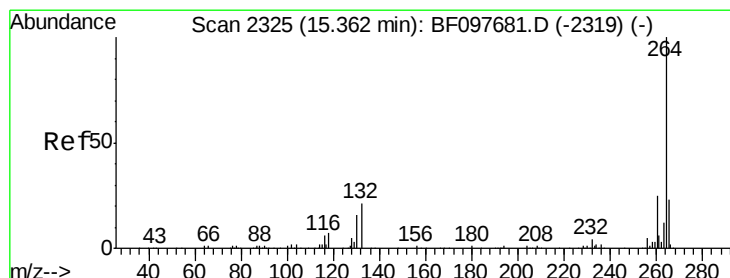
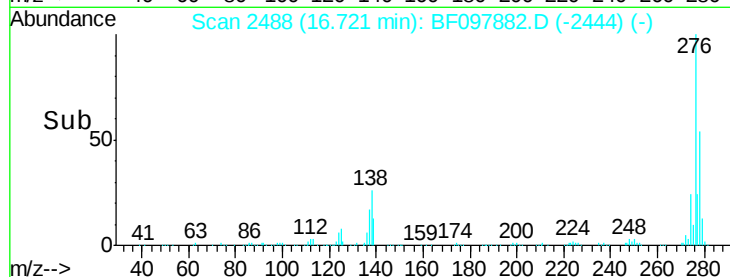
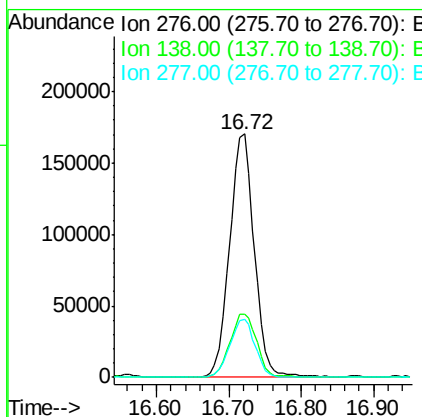
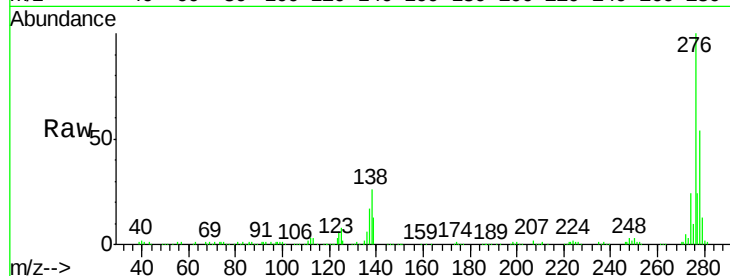




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.85 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. -0.04 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

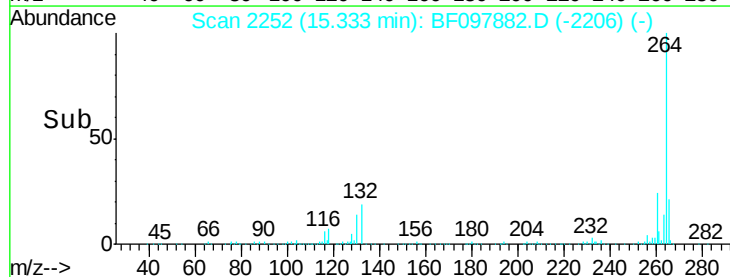
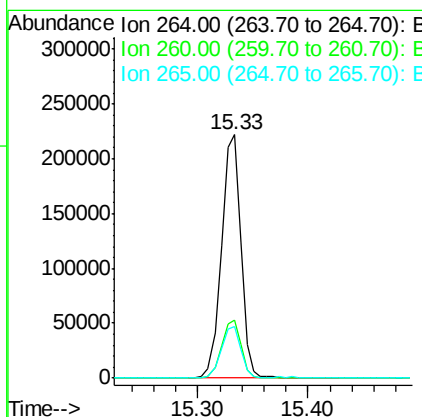
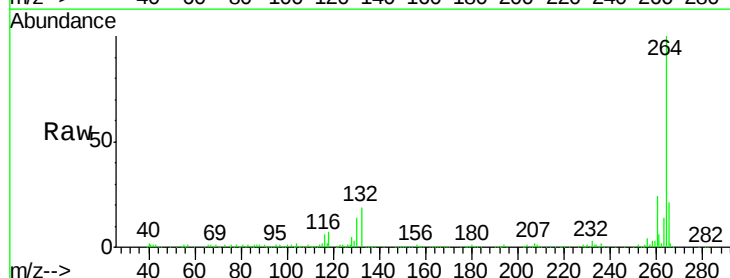
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MSD

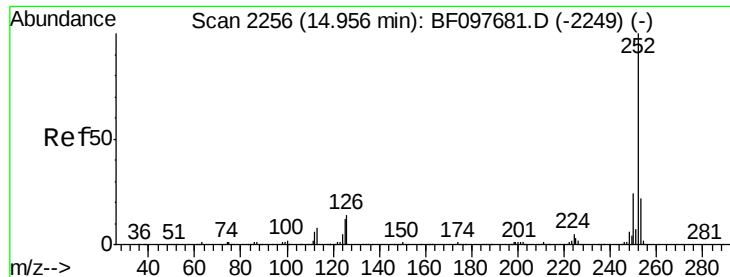
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	27.8	41.6
277	24.7	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. -0.03 min
 Lab File: BF097882.D
 Acq: 19 Aug 2017 16:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8

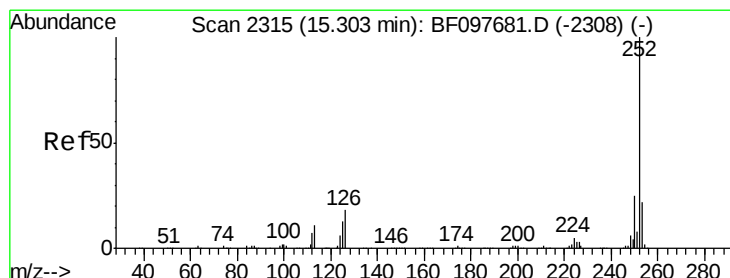
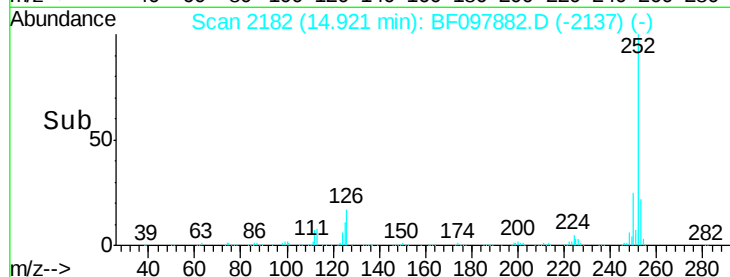
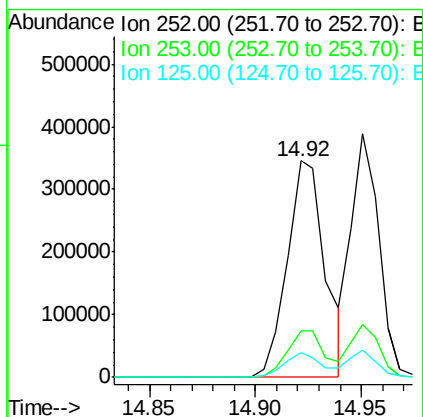
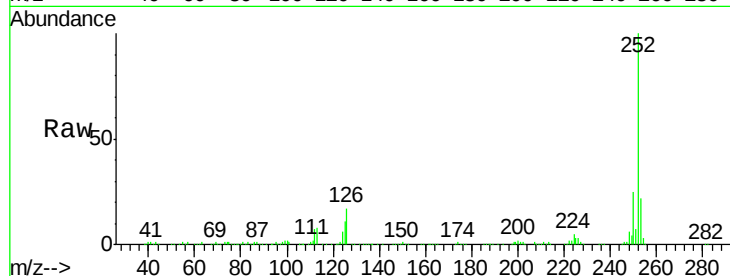




#87
Benzo(b)fluoranthene
Concen: 25.12 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

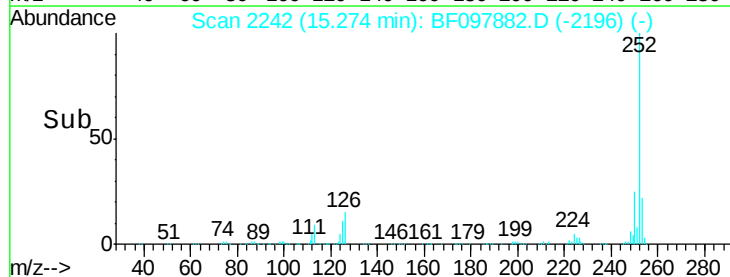
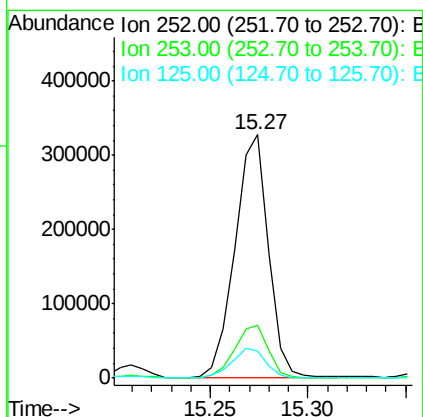
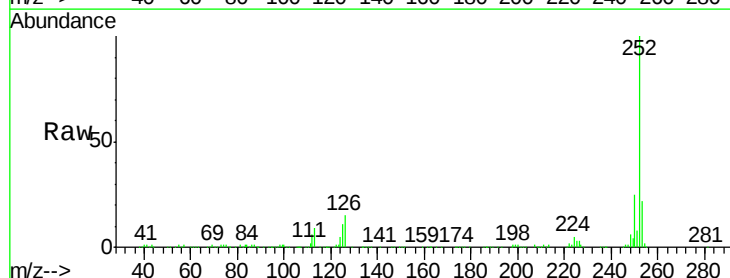
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MSD

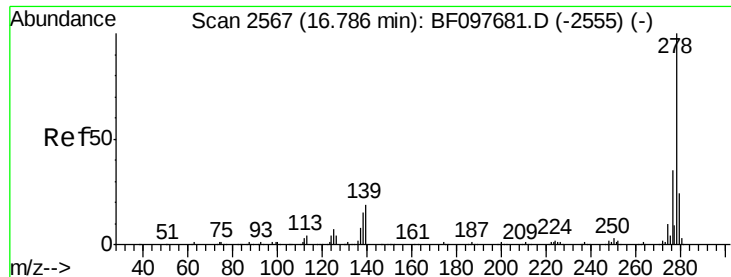
Tot Ion:252 Resp: 432543
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 11.5 9.8 14.8



#89
Benzo(a)pyrene
Concen: 25.47 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.03 min
Lab File: BF097882.D
Acq: 19 Aug 2017 16:47

Tgt Ion:252 Resp: 388219
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 11.2 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 25.68 ng

RT: 16.73 min Scan# 2490

Delta R.T. -0.05 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MSD

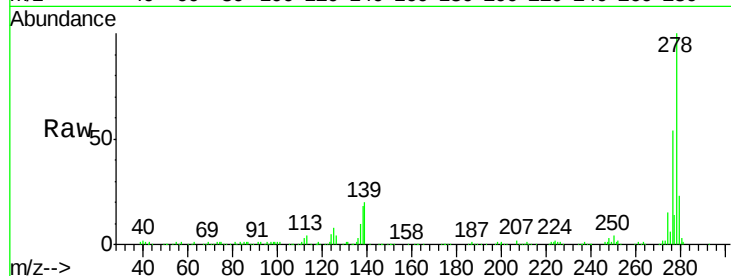
Tot Ion:278 Resp: 318642

Ion Ratio Lower Upper

278 100

139 19.7 16.6 24.8

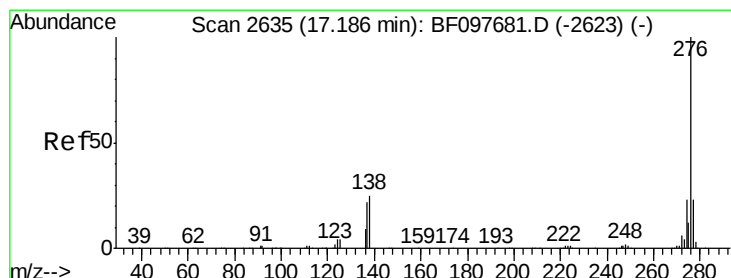
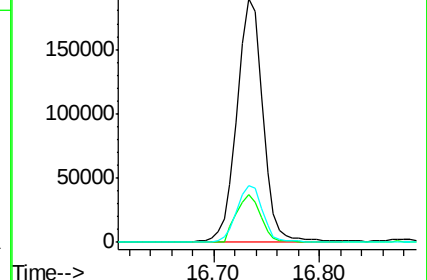
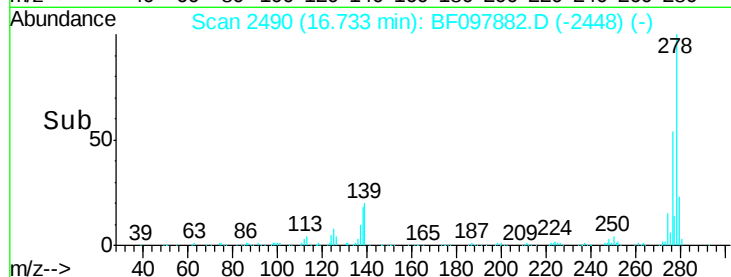
279 23.5 19.3 28.9



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: 24.76 ng

RT: 17.13 min Scan# 2558

Delta R.T. -0.05 min

Lab File: BF097882.D

Acq: 19 Aug 2017 16:47

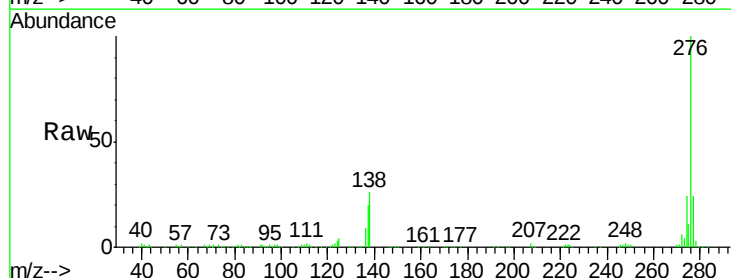
Tgt Ion:276 Resp: 320616

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 25.9 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

