

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097881.D
 Acq On : 19 Aug 2017 16:20
 Operator : SJ/JU
 Sample : I4846-05MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 21 02:39:29 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	162712	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	675070	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	301064	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	514796	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	279517	20.00	ng	-0.02
86) Perylene-d12	15.33	264	291508	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1348292	126.04	ng	0.00
7) Phenol-d6	6.41	99	1885950	129.76	ng	0.00
23) Nitrobenzene-d5	7.33	82	1246396	100.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	355804	136.21	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1734537	84.65	ng	-0.02
78) Terphenyl-d14	12.87	244	1191280	88.88	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	138690	23.25	ng	88
3) Pyridine	3.22	79	346604	21.02	ng	90
4) n-Nitrosodimethylamine	3.16	42	186671	29.42	ng	83
6) Aniline	6.43	93	492024	24.10	ng	97
8) 2-Chlorophenol	6.55	128	361916	32.08	ng	93
9) Benzaldehyde	6.31	77	148752	16.16	ng	90
10) Phenol	6.42	94	532651	31.33	ng	97
11) bis(2-Chloroethyl)ether	6.51	93	416569	32.47	ng	94
12) 1,3-Dichlorobenzene	6.70	146	357282	29.44	ng	# 93
13) 1,4-Dichlorobenzene	6.78	146	358721	29.07	ng	# 94
14) 1,2-Dichlorobenzene	6.93	146	333829	29.34	ng	97
15) Benzyl Alcohol	6.91	79	378876	34.82	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.05	45	567666	32.88	ng	90
17) 2-Methylphenol	7.02	107	351508	35.36	ng	95
18) Hexachloroethane	7.27	117	148618	30.71	ng	# 80
19) n-Nitroso-di-n-propylamine	7.19	70	323049	32.47	ng	90
20) 3+4-Methylphenols	7.17	107	402808	33.17	ng	96
22) Acetophenone	7.18	105	549593	30.82	ng	# 91
24) Nitrobenzene	7.35	77	481865	34.83	ng	94
25) Isophorone	7.59	82	929978	35.99	ng	98
26) 2-Nitrophenol	7.66	139	196258	40.12	ng	# 74
27) 2,4-Dimethylphenol	7.70	122	349022	32.39	ng	93
28) bis(2-Chloroethoxy)methane	7.80	93	567954	33.43	ng	99
29) 2,4-Dichlorophenol	7.90	162	312048	34.88	ng	92
30) 1,2,4-Trichlorobenzene	7.99	180	307169	30.98	ng	98
31) Naphthalene	8.07	128	1087445	31.03	ng	99
32) Benzoic acid	7.82	122	145531	22.47	ng	# 84
33) 4-Chloroaniline	8.12	127	309355	20.93	ng	99
34) Hexachlorobutadiene	8.19	225	180130	31.11	ng	98
35) Caprolactam	8.50	113	78114	25.69	ng	99
36) 4-Chloro-3-methylphenol	8.60	107	386766	33.65	ng	# 80
37) 2-Methylnaphthalene	8.76	142	731731	34.06	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	293908	31.81	ng	# 98
40) Hexachlorocyclopentadiene	8.92	237	247141	55.68	ng	98

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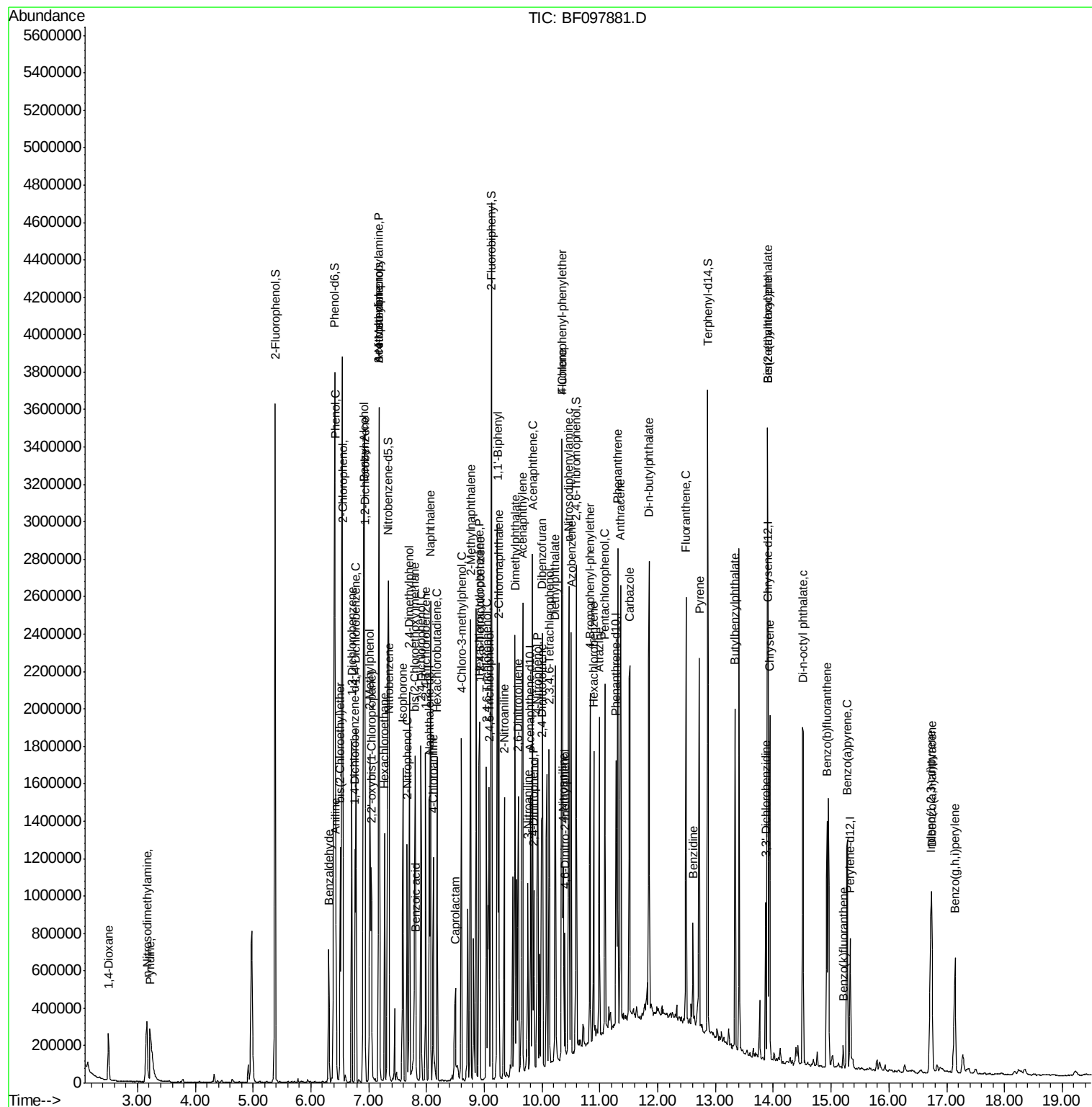
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42) 2,4,6-Trichlorophenol	9.04	196	217468	35.06	nq	99
43) 2,4,5-Trichlorophenol	9.08	196	223193	36.27	nq	96
45) 1,1'-Biphenyl	9.23	154	855668	31.17	nq	96
46) 2-Chloronaphthalene	9.25	162	629054	31.01	nq	# 93
47) 2-Nitroaniline	9.35	65	254268	37.39	nq	96
48) Acenaphthylene	9.66	152	1017859	31.95	nq	99
49) Dimethylphthalate	9.53	163	986302	44.82	nq	99
50) 2,6-Dinitrotoluene	9.59	165	167262	38.08	nq	# 49
51) Acenaphthene	9.83	154	663926	33.05	nq	99
52) 3-Nitroaniline	9.76	138	146044	25.77	nq	97
53) 2,4-Dinitrophenol	9.86	184	89805	47.67	nq	# 74
54) Dibenzofuran	10.00	168	908578	33.74	nq	98
55) 4-Nitrophenol	9.92	139	261839	57.92	nq	# 42
56) 2,4-Dinitrotoluene	9.99	165	213659	38.76	nq	# 62
57) Fluorene	10.35	166	647415	31.10	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.12	232	174496	36.62	nq	96
59) Diethylphthalate	10.23	149	832053	36.15	nq	99
60) 4-Chlorophenyl-phenylether	10.34	204	312978	32.36	nq	92
61) 4-Nitroaniline	10.37	138	165550	30.73	nq	# 69
62) Azobenzene	10.50	77	947662	34.67	nq	94
64) 4,6-Dinitro-2-methylphenol	10.40	198	73520	33.37	nq	# 74
65) n-Nitrosodiphenylamine	10.46	169	620168	35.38	nq	99
66) 4-Bromophenyl-phenylether	10.83	248	199427	37.31	nq	98
67) Hexachlorobenzene	10.89	284	181007	33.22	nq	# 86
68) Atrazine	10.99	200	191442	41.18	nq	98
69) Pentachlorophenol	11.09	266	185386	58.35	nq	99
70) Phenanthrene	11.31	178	952884	34.74	nq	99
71) Anthracene	11.36	178	917826	32.99	nq	99
72) Carbazole	11.52	167	822080	31.13	nq	98
73) Di-n-butylphthalate	11.85	149	1210944	39.81	nq	99
74) Fluoranthene	12.49	202	906988	31.68	nq	99
76) Benzidine	12.61	184	208578	22.76	nq	# 92
77) Pyrene	12.72	202	886655	38.78	nq	99
79) Butylbenzylphthalate	13.34	149	413304	47.15	nq	# 67
80) Benzo(a)anthracene	13.90	228	594834	35.51	nq	99
81) 3,3'-Dichlorobenzidine	13.87	252	160185	28.34	nq	# 96
82) Chrysene	13.94	228	598246	35.90	nq	98
83) Bis(2-ethylhexyl)phthalate	13.90	149	514722	52.99	nq	# 99
84) Di-n-octyl phthalate	14.52	149	912038	53.97	nq	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	607199	49.53	nq	94
87) Benzo(b)fluoranthene	14.93	252	628479	34.20	nq	98
88) Benzo(k)fluoranthene	15.21	252	49441	2.86	nq	97
89) Benzo(a)pyrene	15.28	252	611061	37.57	nq	98
90) Dibenzo(a,h)anthracene	16.74	278	476286	35.97	nq	97
91) Benzo(g,h,i)perylene	17.14	276	493275	35.70	nq	# 92

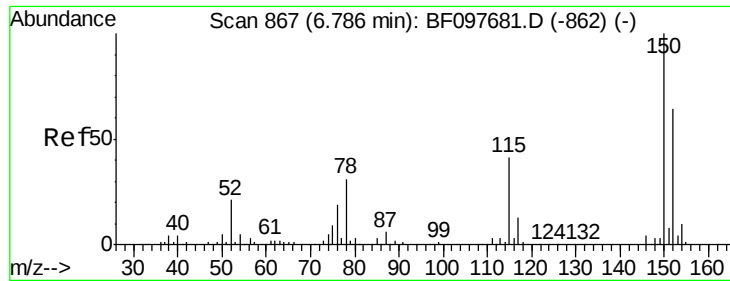
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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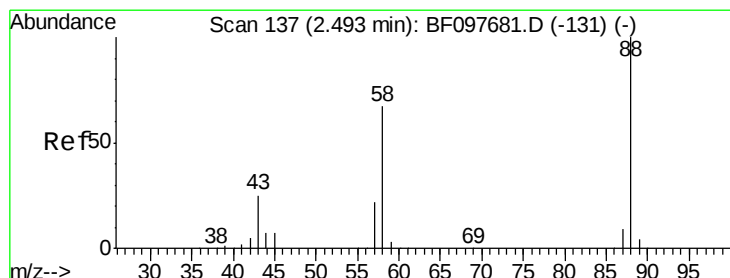
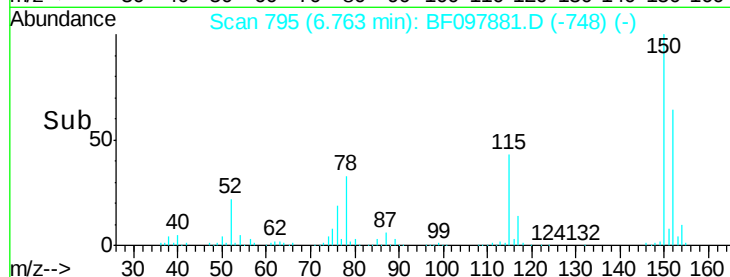
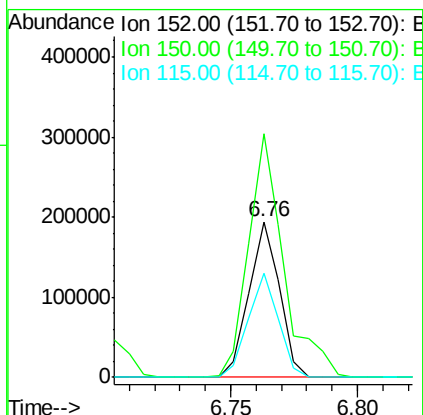
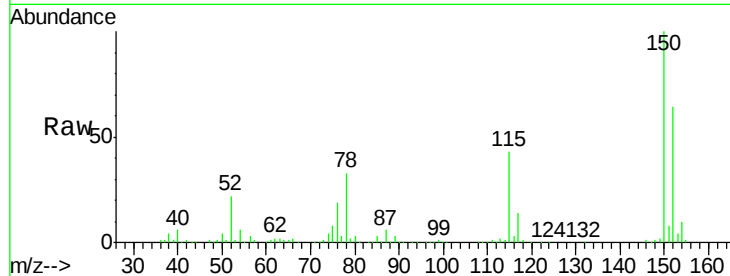


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

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

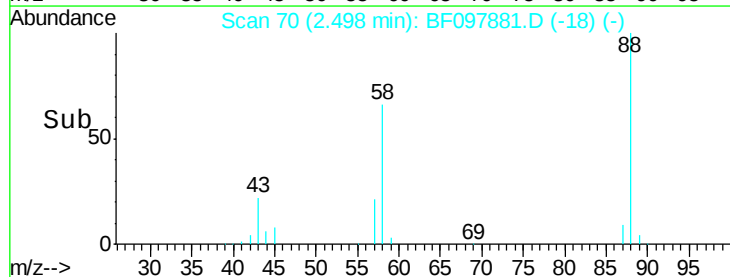
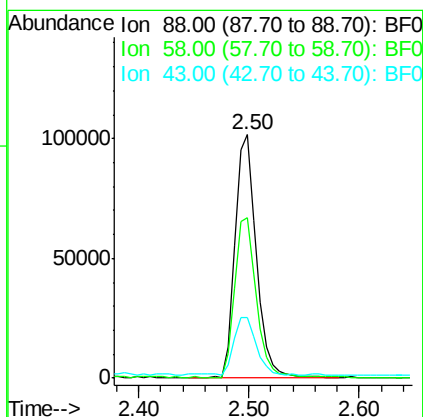
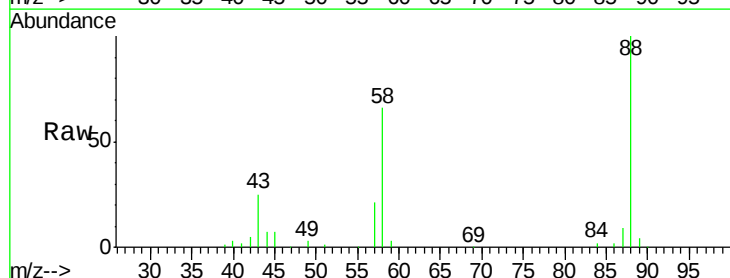
Tot Ion:152 Resp: 162712
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 66.8 52.2 78.2

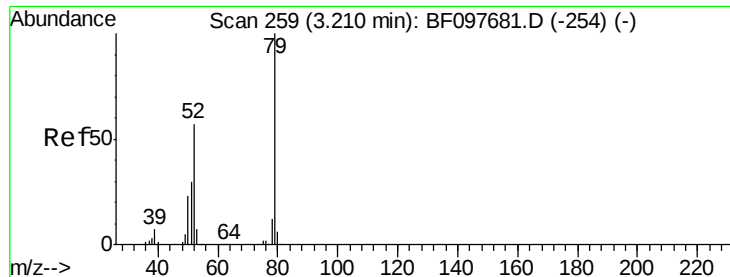


#2

1,4-Dioxane
Concen: 23.25 ng
RT: 2.50 min Scan# 70
Delta R.T. 0.01 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion: 88 Resp: 138690
Ion Ratio Lower Upper
88 100
58 65.4 61.4 92.0
43 24.7 23.4 35.0





#3

Pvrindine

Concen: 21.02 ng

RT: 3.22 min Scan# 192

Delta R.T. 0.01 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

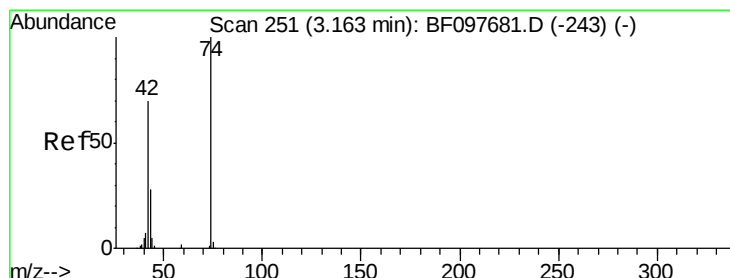
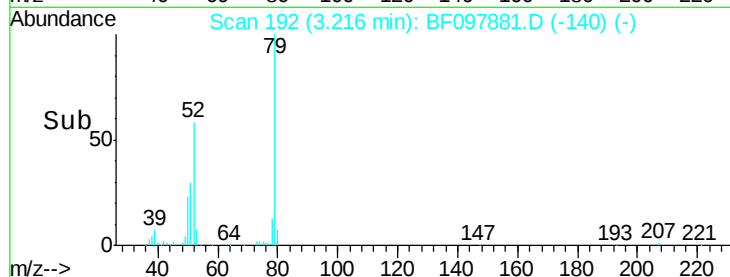
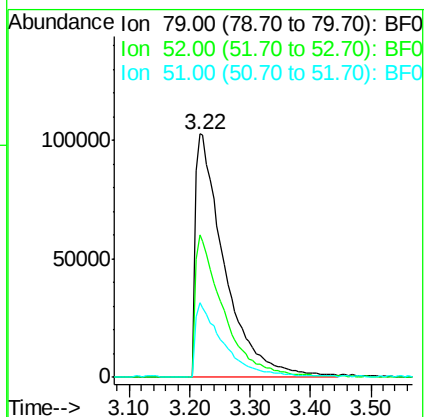
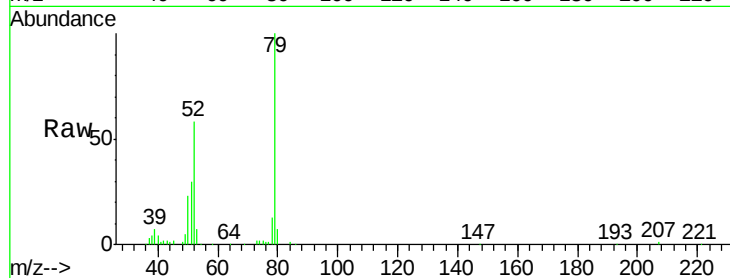
Tot Ion: 79 Resp: 346604

Ion Ratio Lower Upper

79 100

52 58.5 54.8 82.2

51 30.4 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 29.42 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.00 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

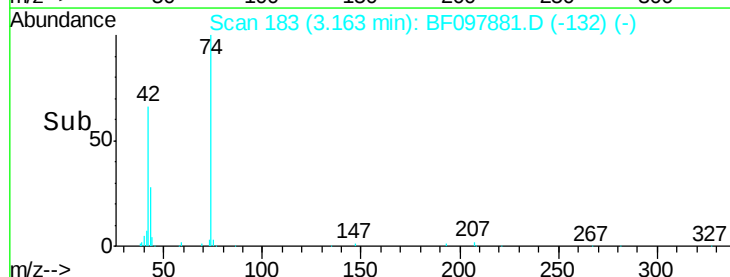
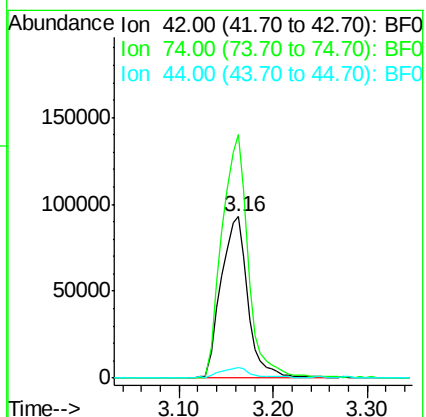
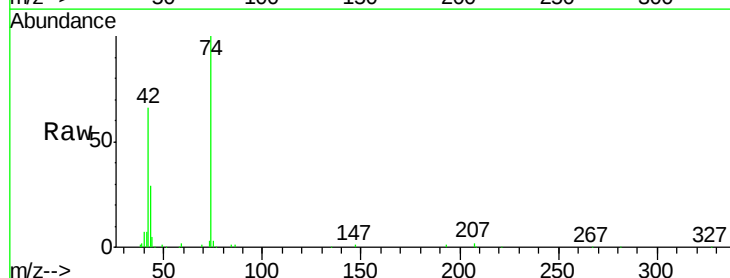
Tgt Ion: 42 Resp: 186671

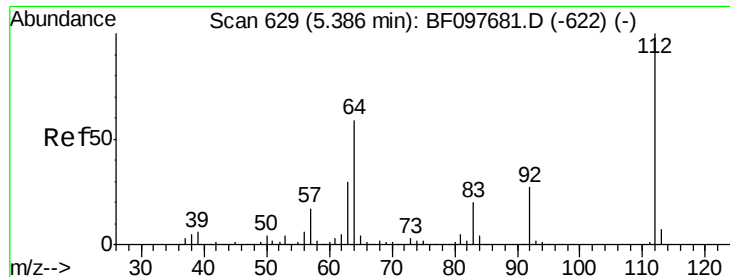
Ion Ratio Lower Upper

42 100

74 150.6 103.9 155.9

44 6.8 5.7 8.5





#5

2-Fluorophenol

Concen: 126.04 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

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ClientSampleId :

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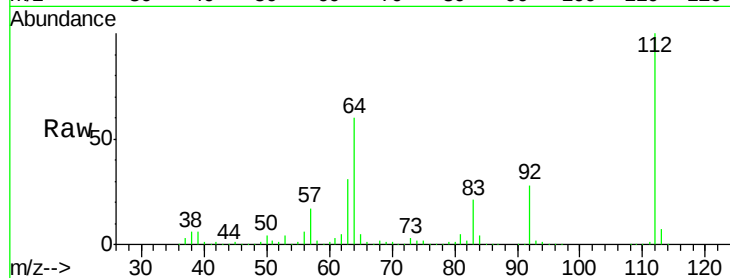
Tot Ion: 112 Resp: 1348292

Ion Ratio Lower Upper

112 100

64 60.2 46.0 69.0

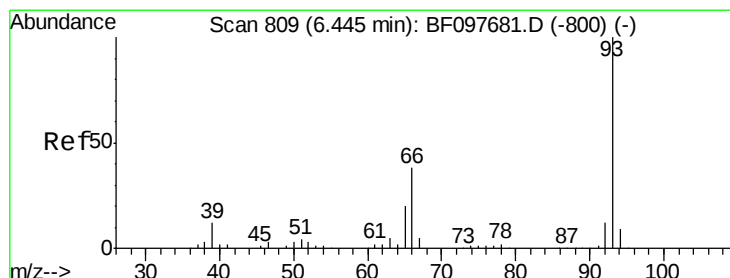
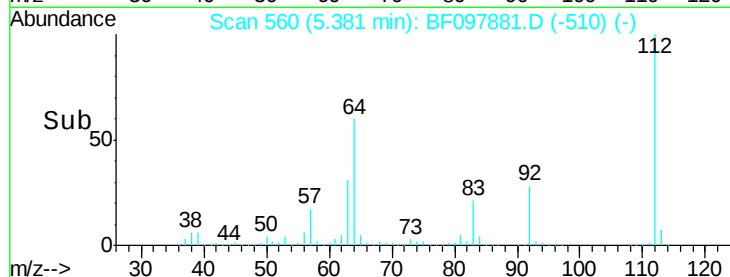
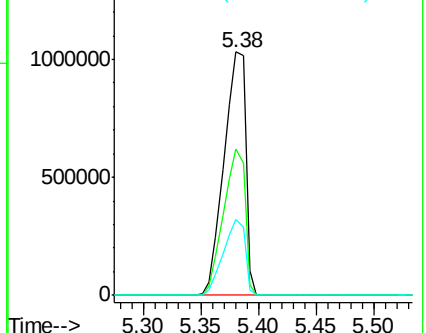
63 31.0 23.4 35.0



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: 24.10 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

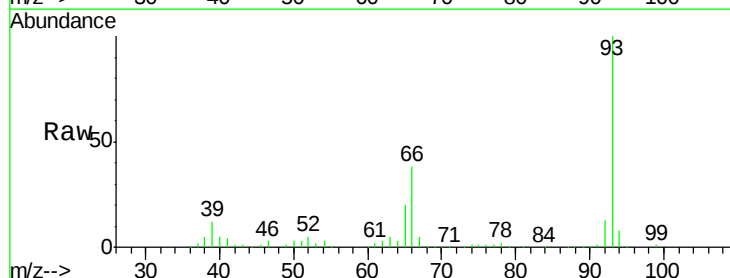
Tgt Ion: 93 Resp: 492024

Ion Ratio Lower Upper

93 100

66 38.1 32.9 49.3

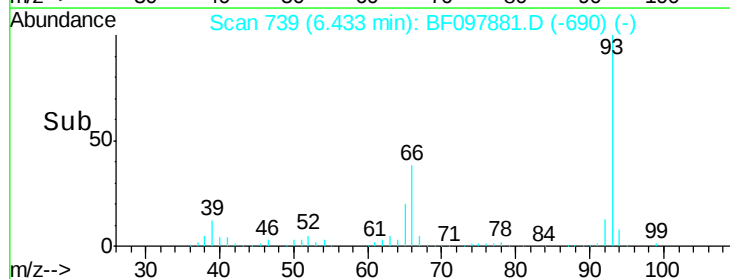
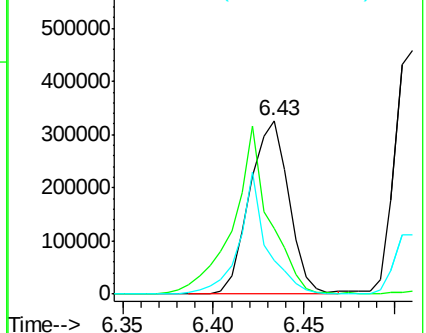
65 19.8 16.0 24.0

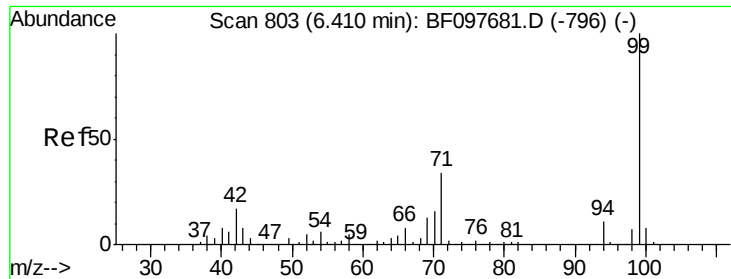


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.76 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

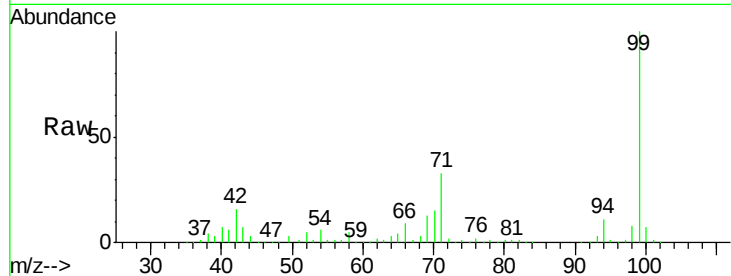
BNA_F

ClientSampleId :

PI-1(3)MS

Tot Ion: 99 Resp: 1885950

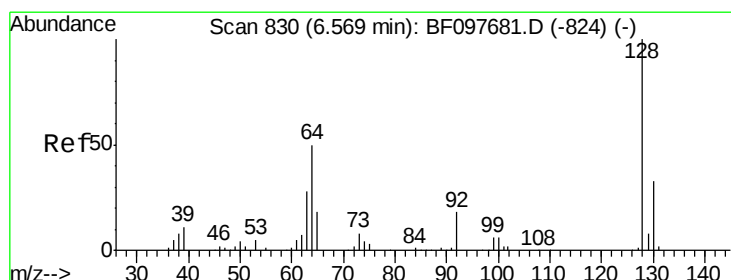
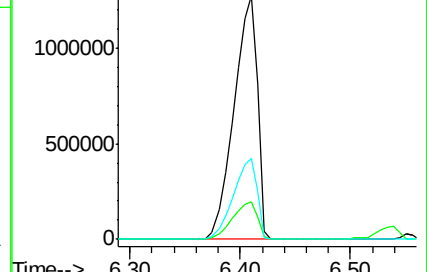
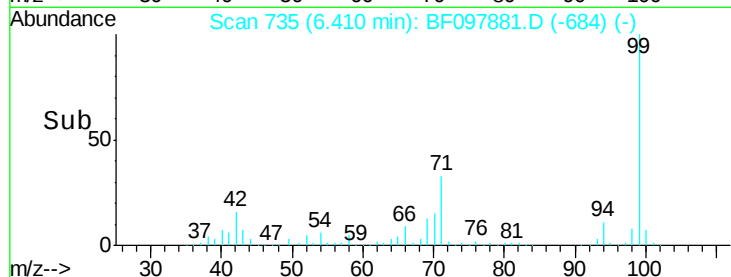
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	33.4	24.5	36.7



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: 32.08 ng

RT: 6.55 min Scan# 759

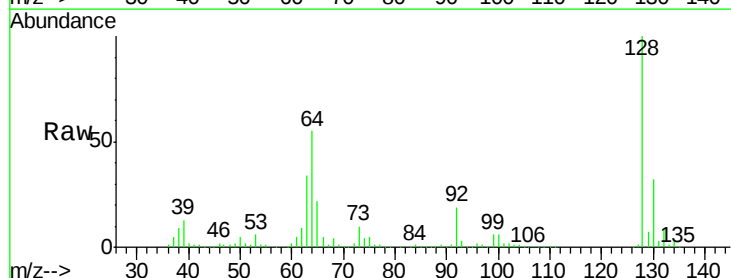
Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Tgt Ion: 128 Resp: 361916

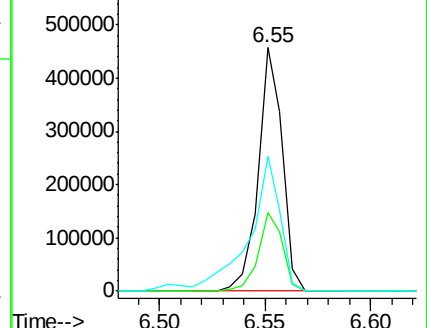
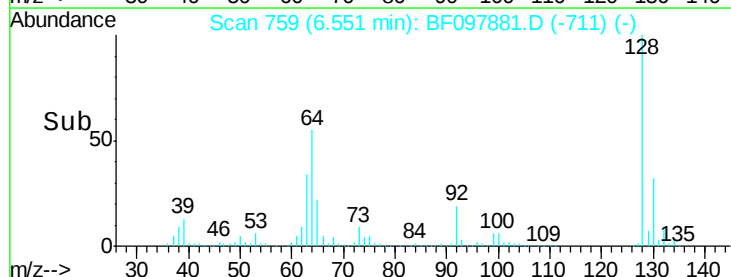
Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	55.4	28.4	68.4

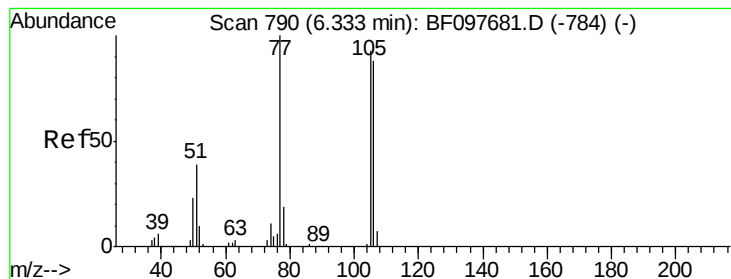


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.16 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

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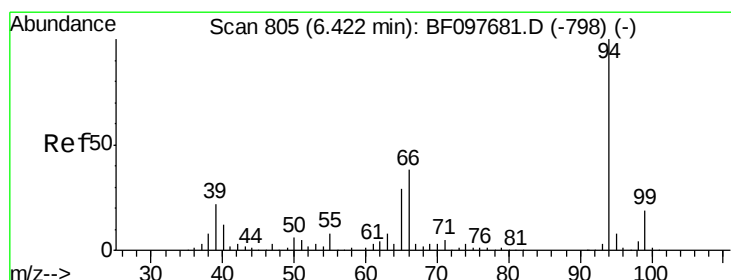
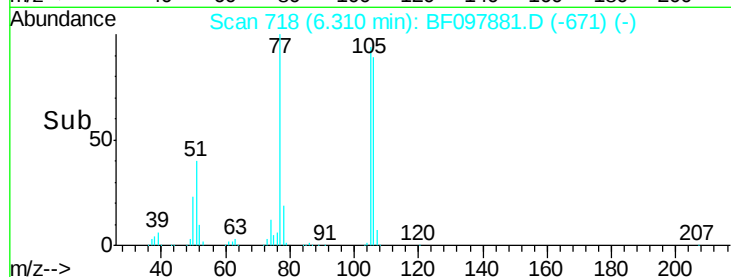
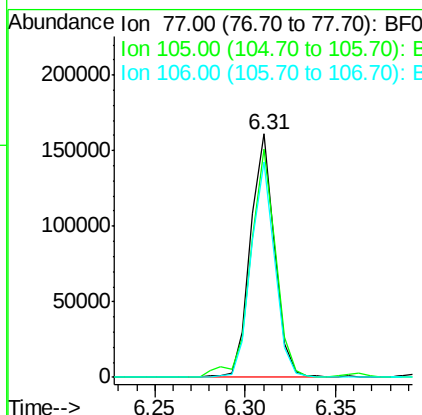
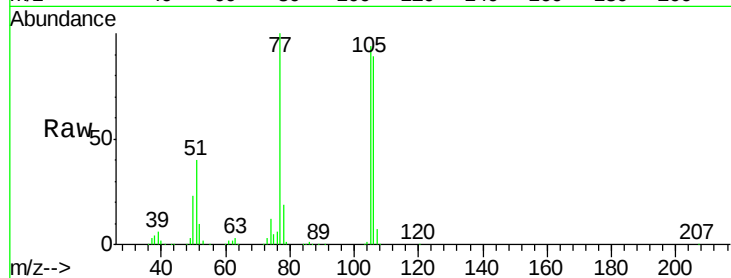
Tot Ion: 77 Resp: 148752

Ion Ratio Lower Upper

77 100

105 93.9 83.8 123.8

106 88.7 79.1 119.1



#10

Phenol

Concen: 31.33 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

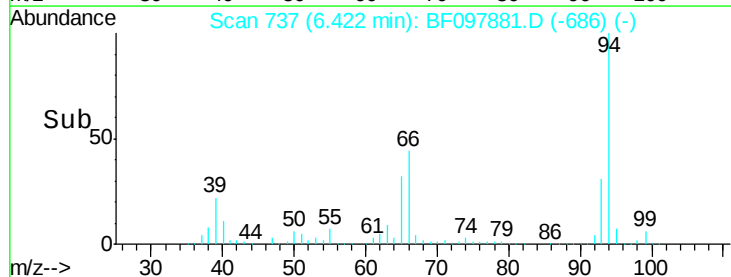
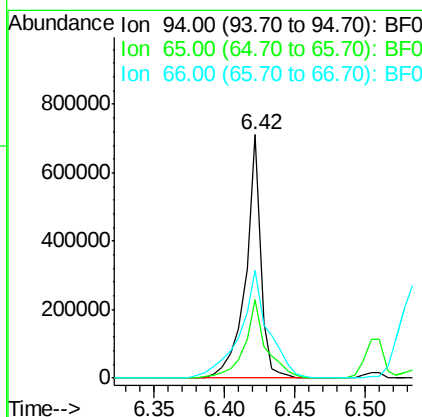
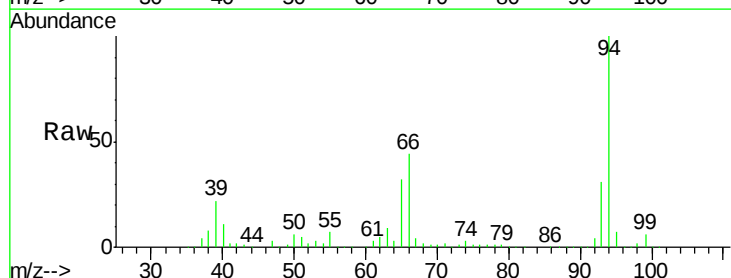
Tgt Ion: 94 Resp: 532651

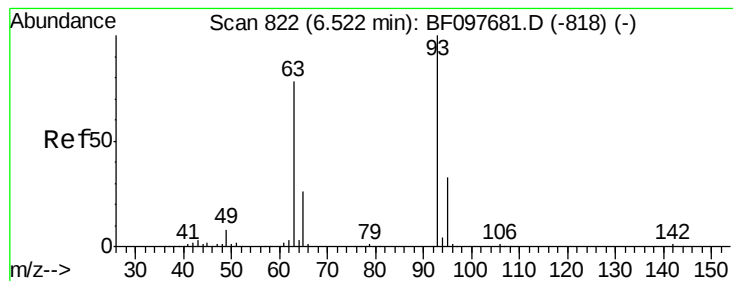
Ion Ratio Lower Upper

94 100

65 32.3 9.9 49.9

66 44.4 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 32.47 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

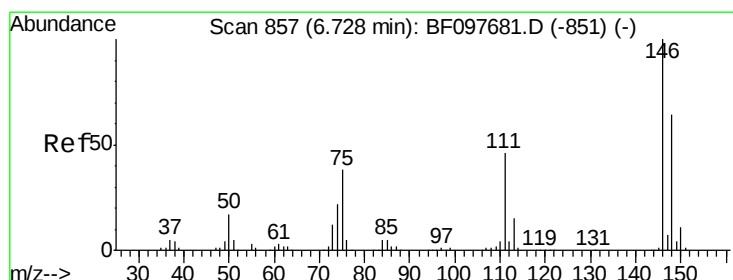
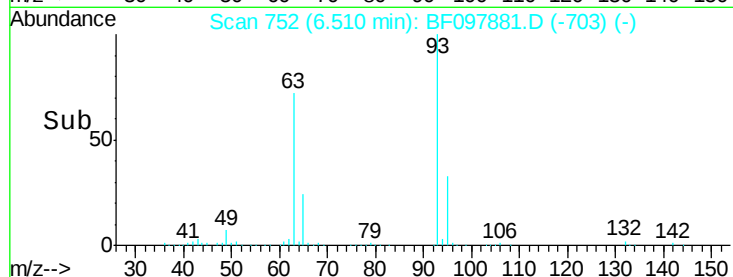
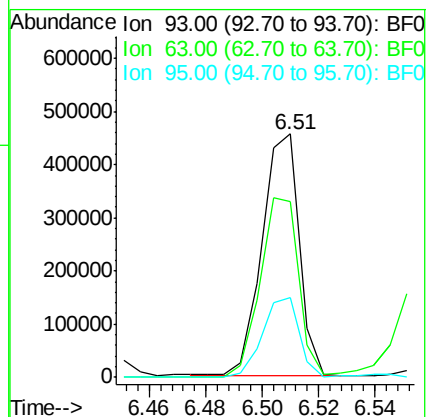
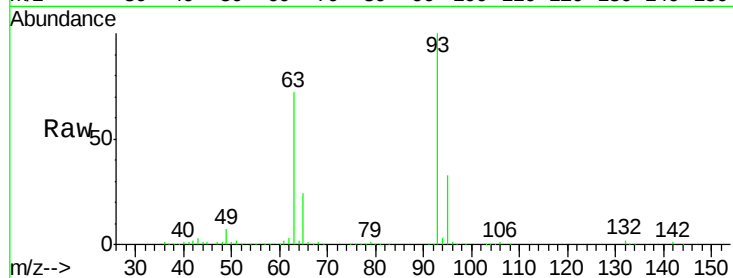
Tot Ion: 93 Resp: 416569

Ion Ratio Lower Upper

93 100

63 72.3 59.2 99.2

95 32.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 29.44 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

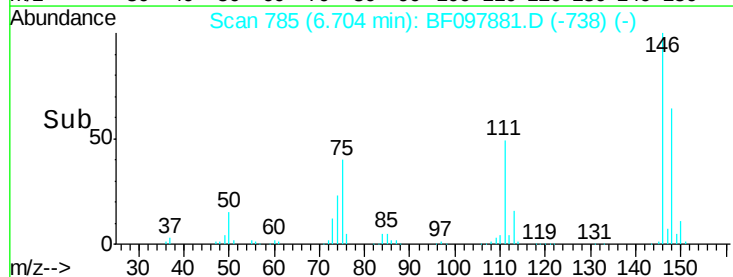
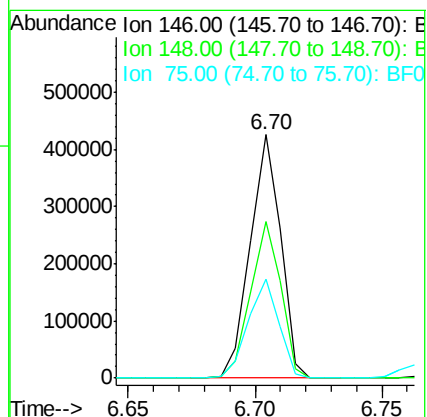
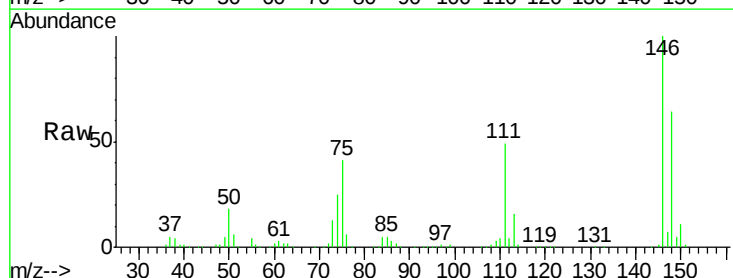
Tgt Ion: 146 Resp: 357282

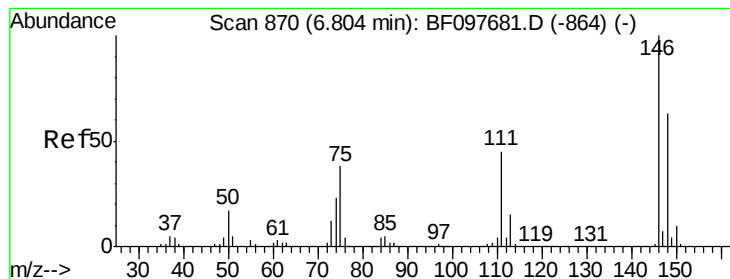
Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.6

75 40.6 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 29.07 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

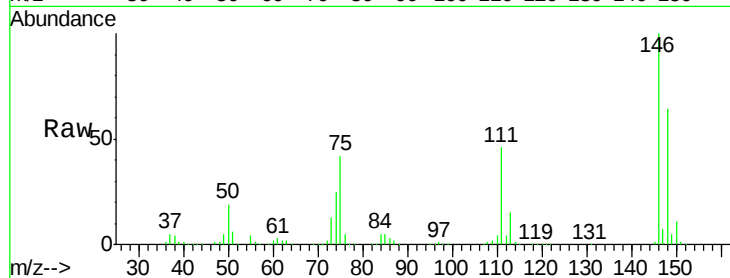
Tot Ion:146 Resp: 358721

Ion Ratio Lower Upper

146 100

148 63.8 52.2 78.2

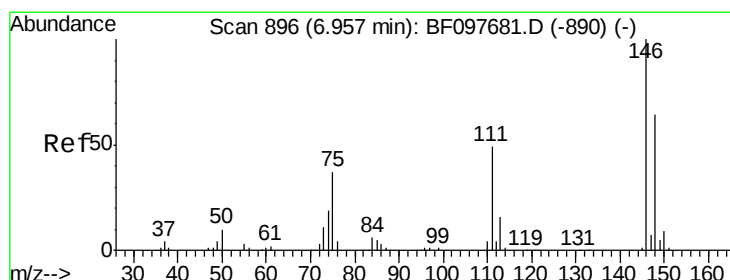
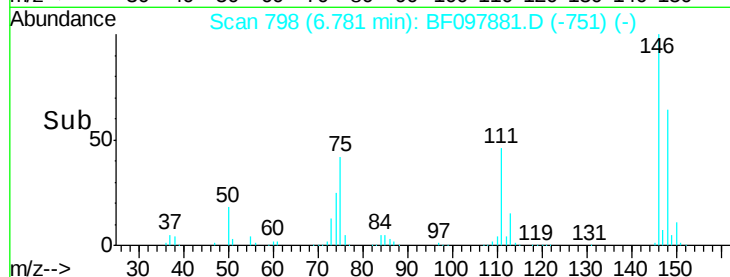
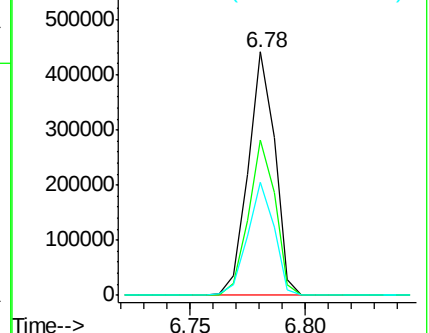
111 46.4 30.3 45.5#



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: 29.34 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

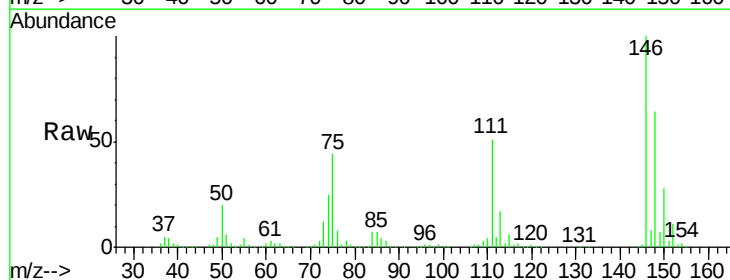
Tgt Ion:146 Resp: 333829

Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

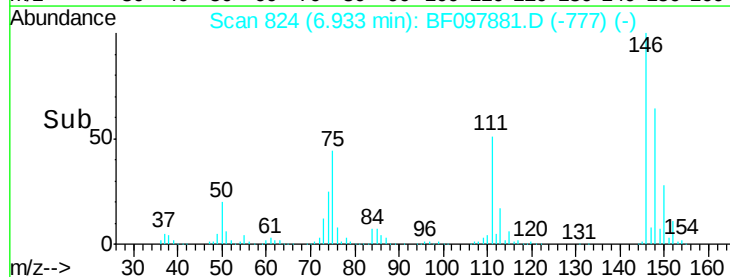
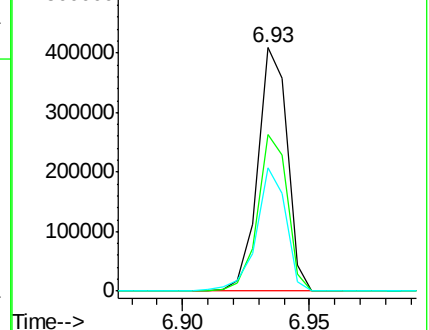
111 50.8 38.2 57.4

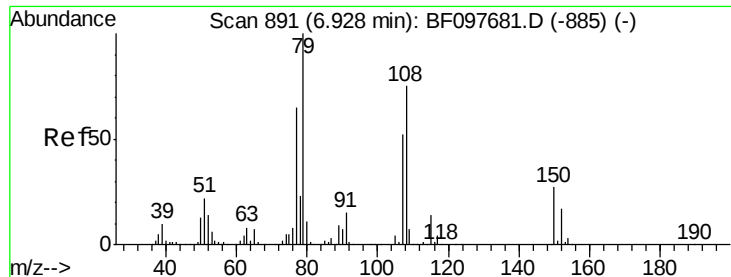


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 34.82 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleID :

PI-1(3)MS

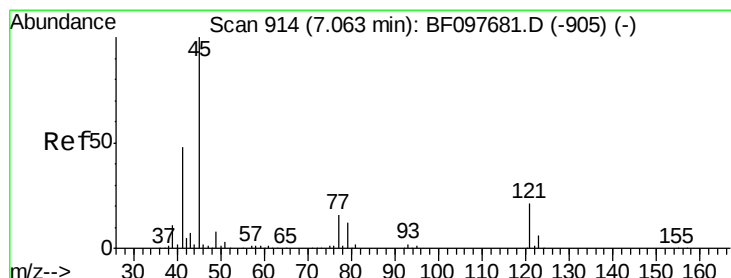
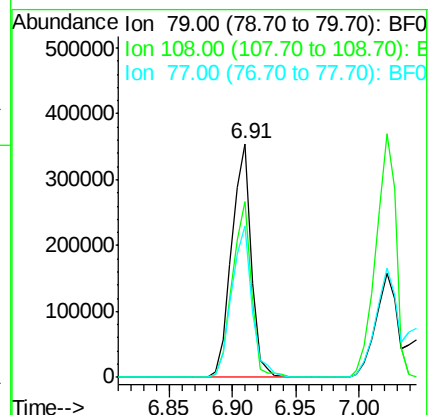
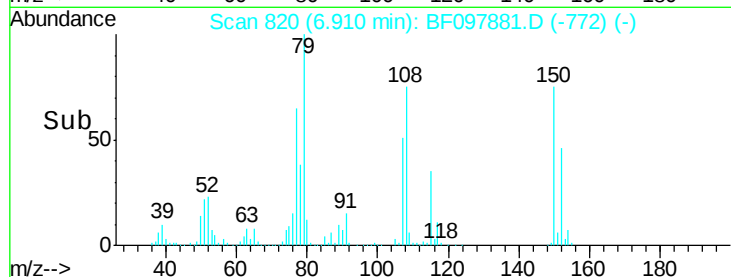
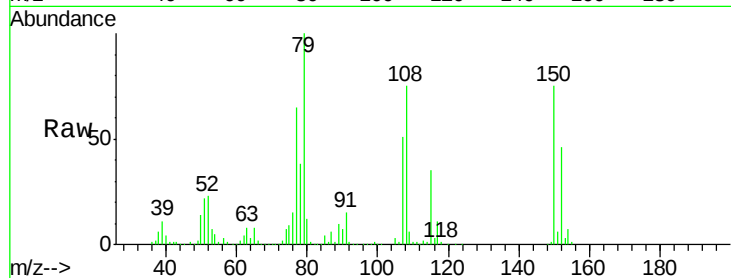
Tot Ion: 79 Resp: 378876

Ion Ratio Lower Upper

79 100

108 75.0 63.4 95.0

77 64.8 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.88 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

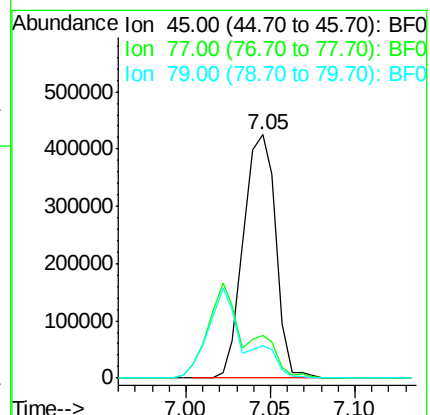
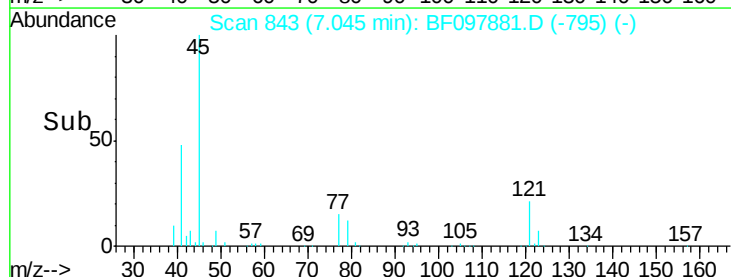
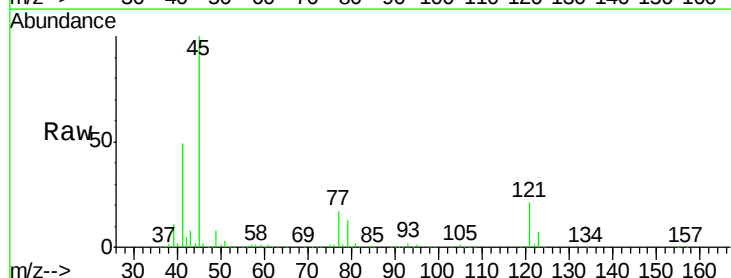
Tgt Ion: 45 Resp: 567666

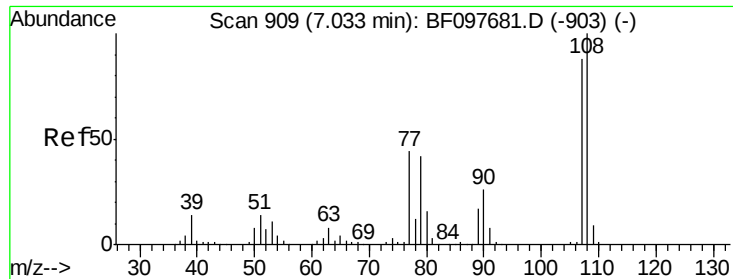
Ion Ratio Lower Upper

45 100

77 17.5 0.0 33.2

79 13.4 0.0 30.0

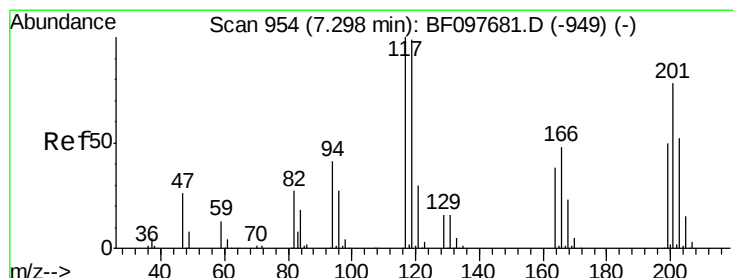
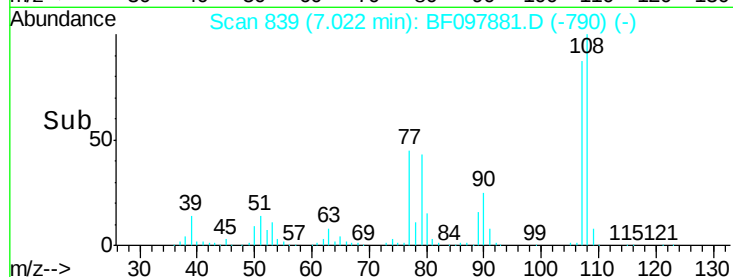
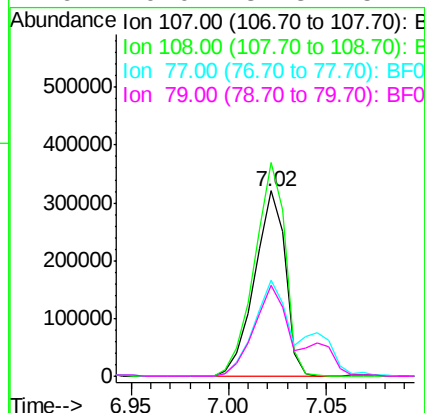
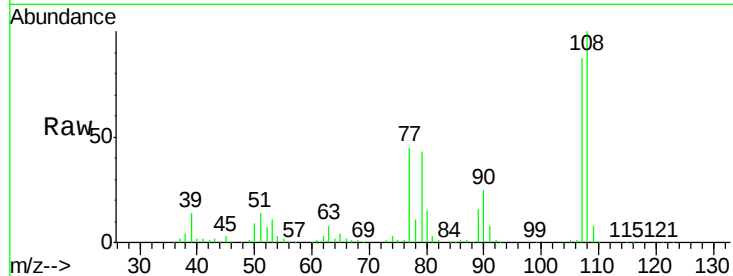




#17
2-Methylphenol
Concen: 35.36 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

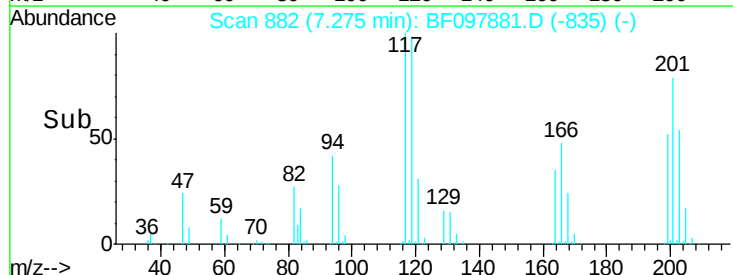
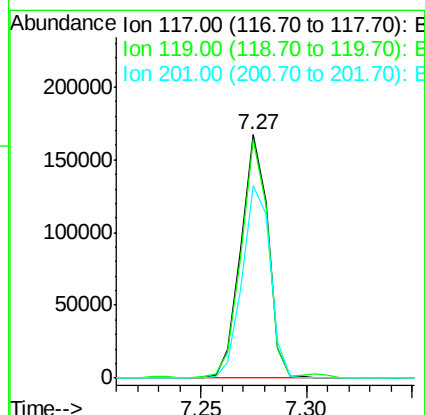
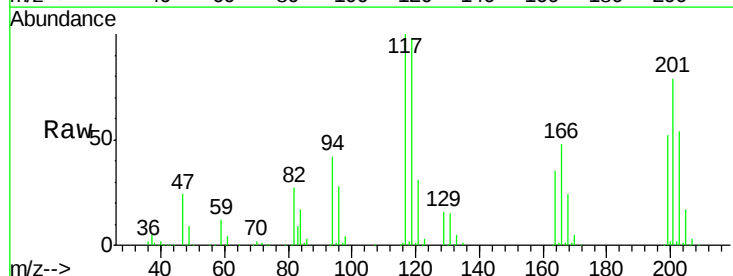
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

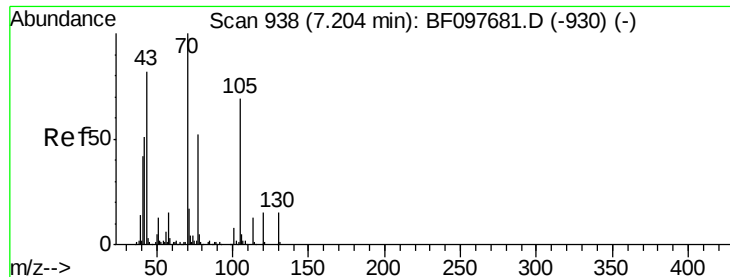
Tot Ion	Ratio	Lower	Upper
107	100		
108	115.3	93.4	140.0
77	52.0	35.8	53.6
79	49.0	34.8	52.2



#18
Hexachloroethane
Concen: 30.71 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.4	116.0
201	79.0	94.6	141.8#

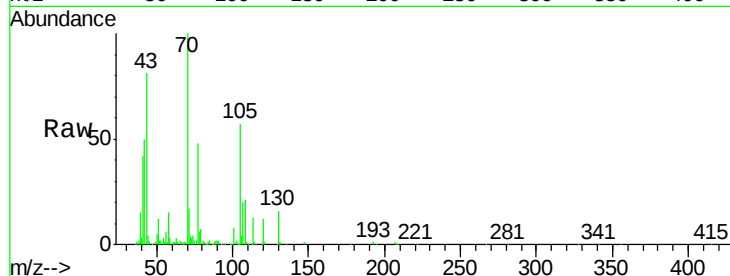




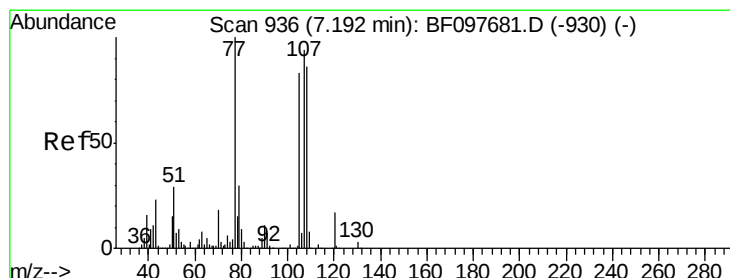
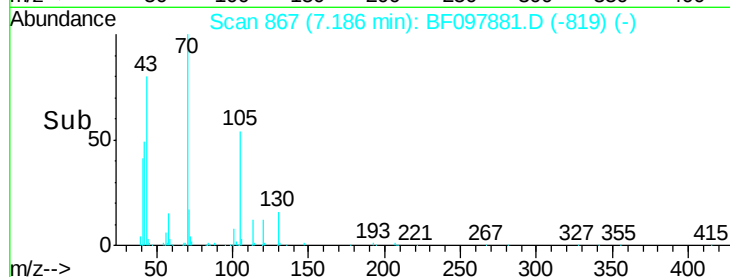
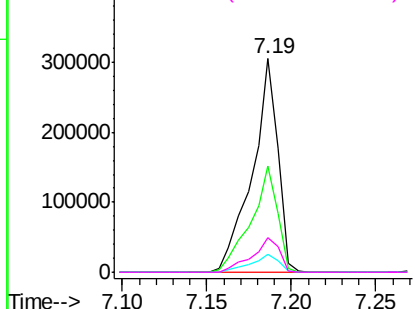
#19
n-Nitroso-di-n-propylamine
Concen: 32.47 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

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

Tot Ion:	70	Resp:	323049
Ion	Ratio	Lower	Upper
70	100		
42	49.8	47.2	70.8
101	8.5	7.2	10.8
130	16.4	15.9	23.9

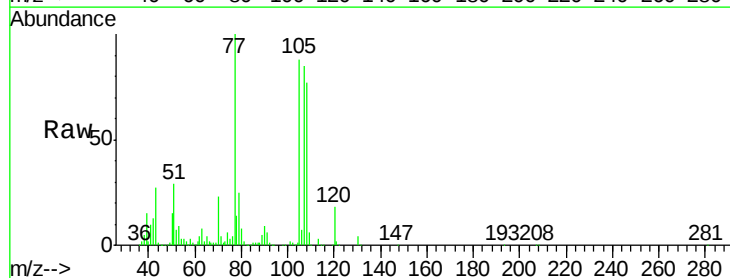


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

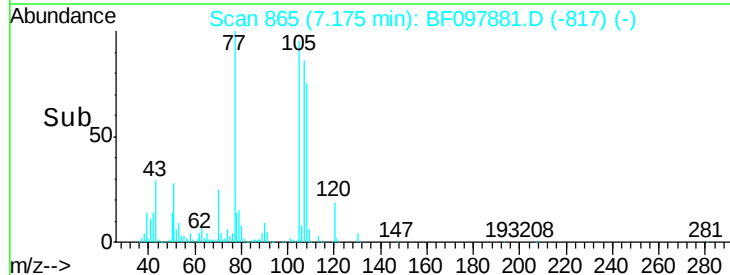
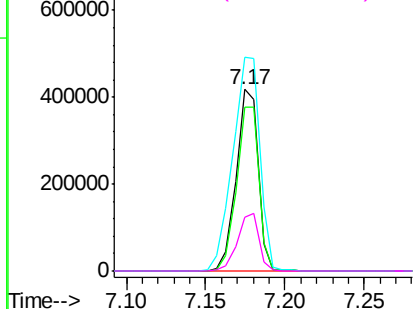


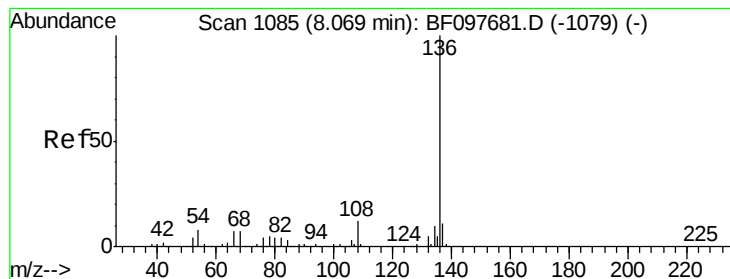
#20
3+4-Methylphenols
Concen: 33.17 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:	107	Resp:	402808
Ion	Ratio	Lower	Upper
107	100		
108	90.4	71.0	111.0
77	117.9	90.5	130.5
79	29.4	8.4	48.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

Tot Ion:136 Resp: 675070

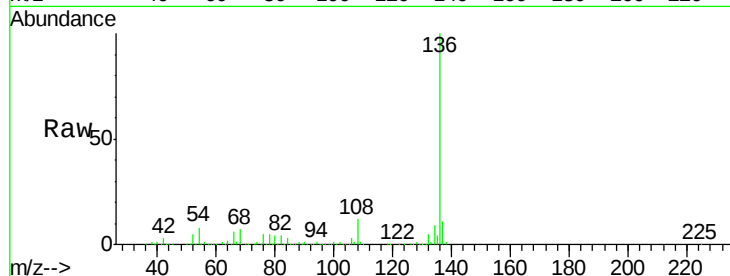
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.9 4.9 7.3#

68 7.3 4.1 6.1#

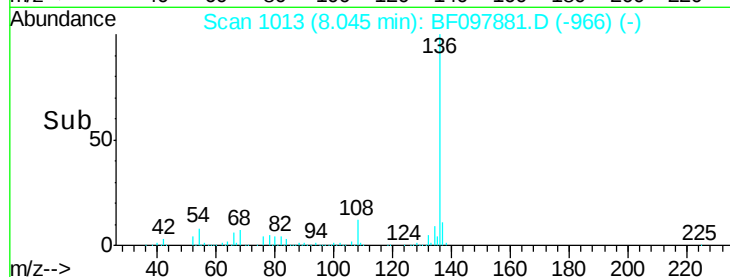


Abundance Ion 136.00 (135.70 to 136.70): E

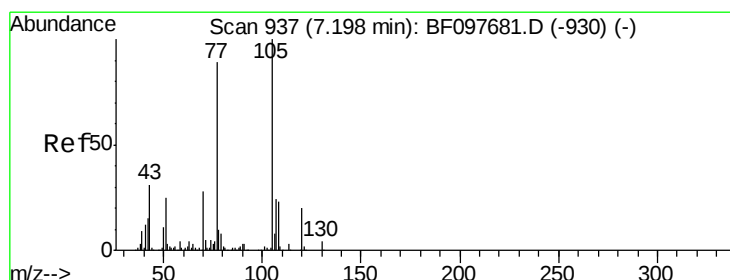
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 30.82 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Tgt Ion:105 Resp: 549593

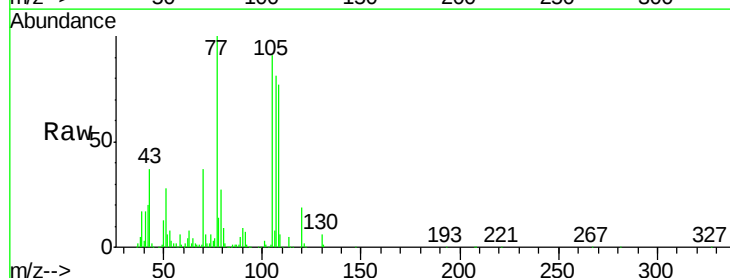
Ion Ratio Lower Upper

105 100

71 6.7 2.8 4.2#

51 30.5 30.7 46.1#

120 21.1 17.4 26.0

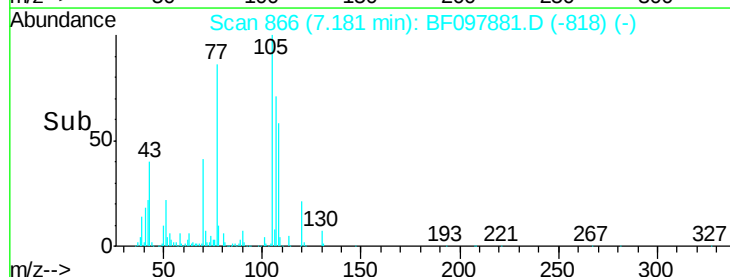


Abundance Ion 105.00 (104.70 to 105.70): E

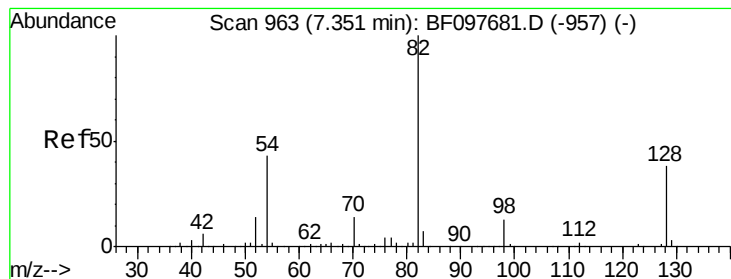
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 100.30 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

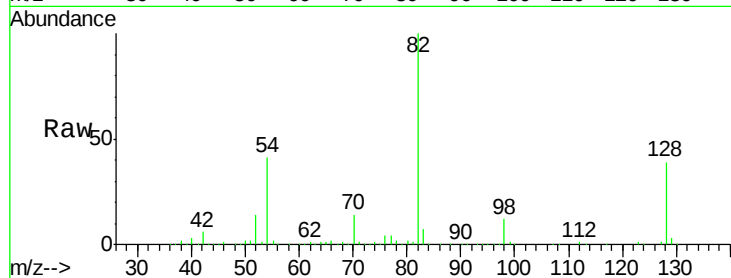
Tot Ion: 82 Resp: 1246396

Ion Ratio Lower Upper

82 100

128 38.8 34.0 51.0

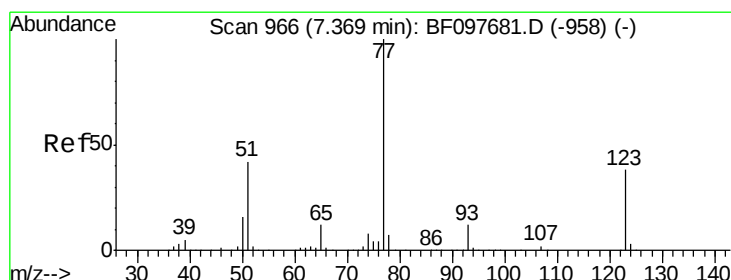
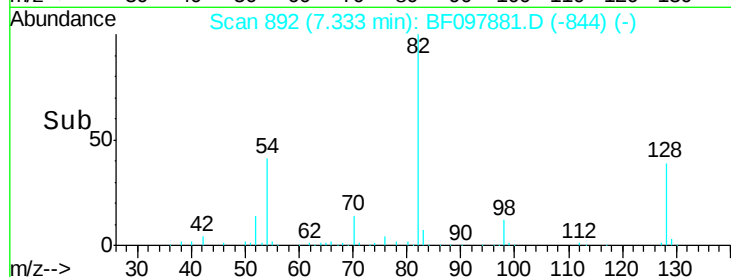
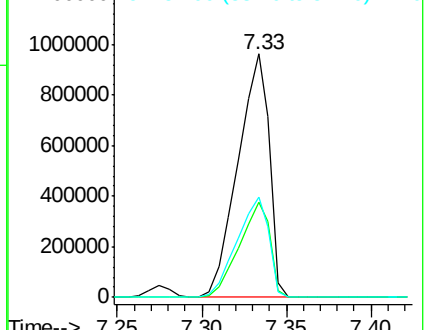
54 41.1 42.2 63.2#



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: 34.83 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

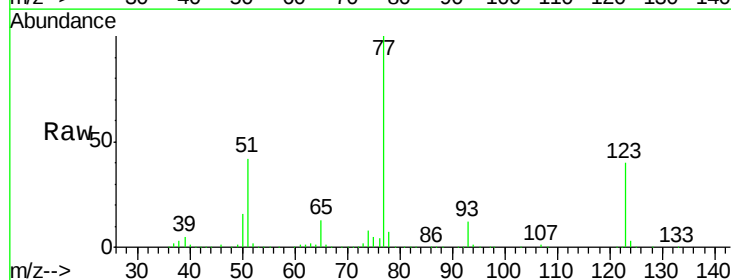
Tgt Ion: 77 Resp: 481865

Ion Ratio Lower Upper

77 100

123 39.8 35.8 53.8

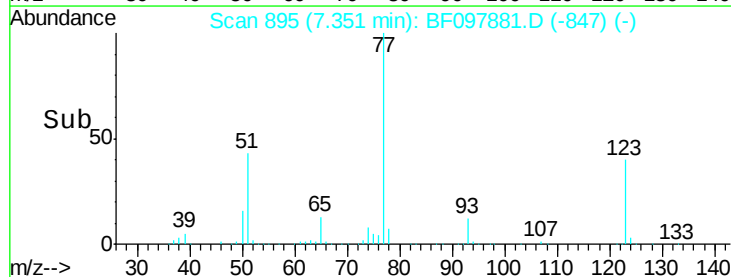
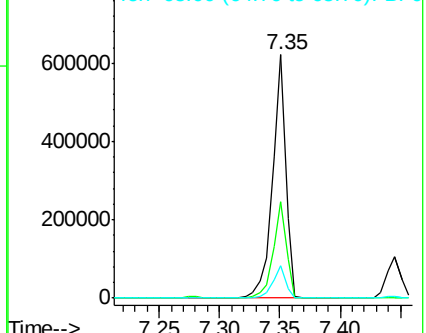
65 13.1 10.6 15.8

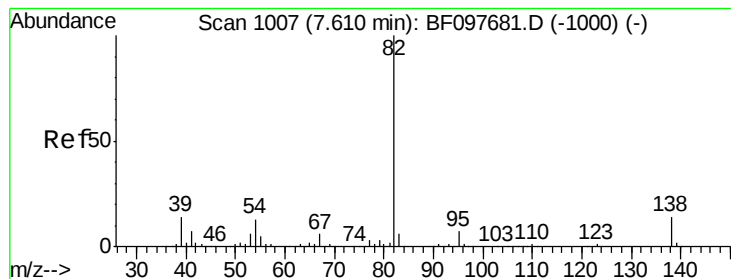


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 35.99 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

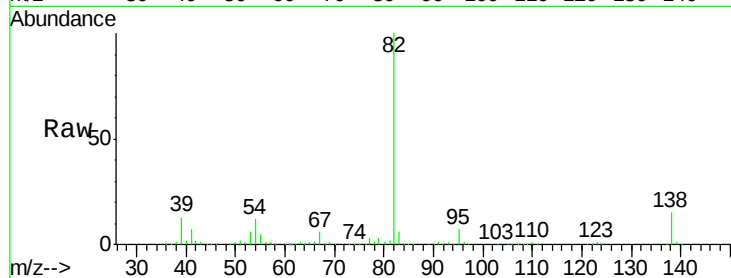
Tot Ion: 82 Resp: 929978

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

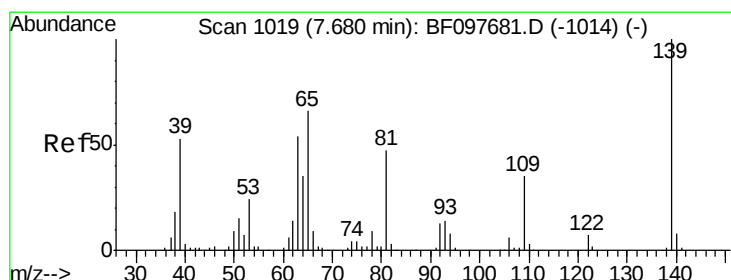
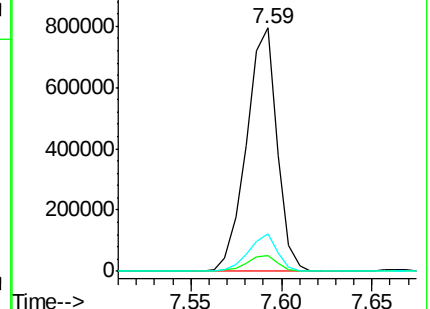
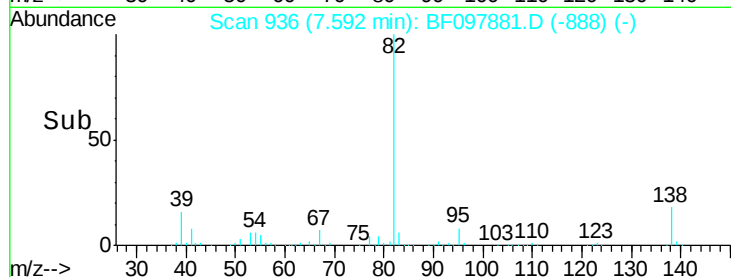
138 15.2 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.12 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

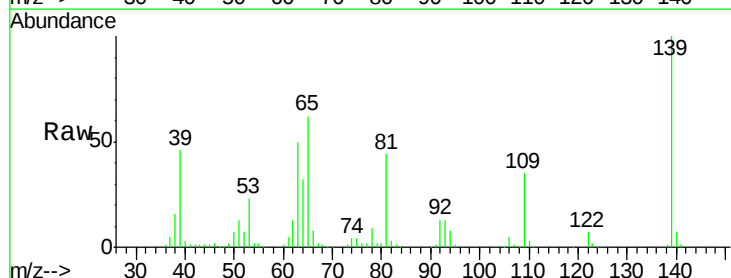
Tgt Ion: 139 Resp: 196258

Ion Ratio Lower Upper

139 100

109 34.8 21.0 31.6#

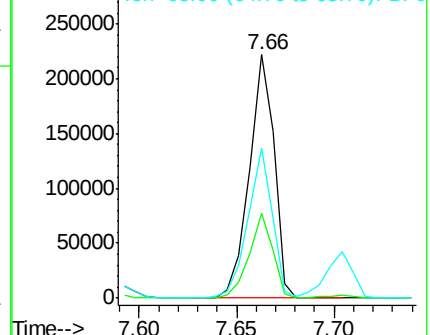
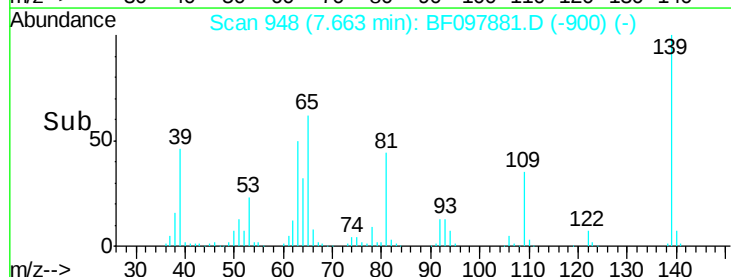
65 61.5 33.0 49.6#

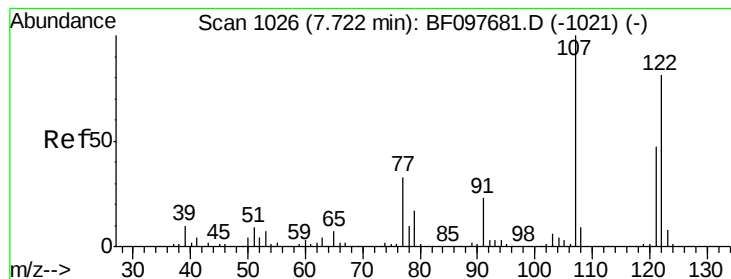


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 32.39 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

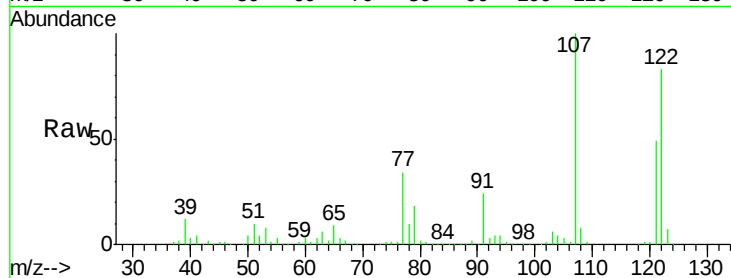
Tot Ion:122 Resp: 349022

Ion Ratio Lower Upper

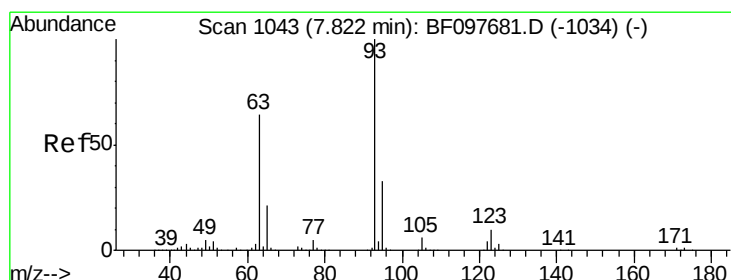
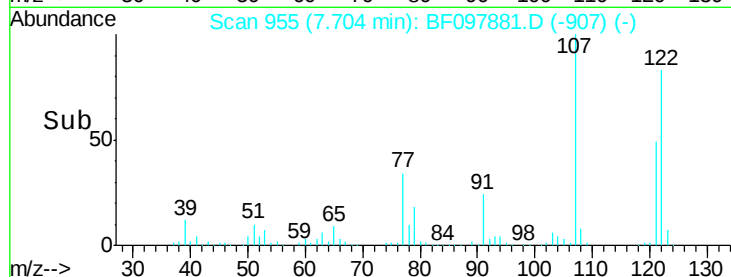
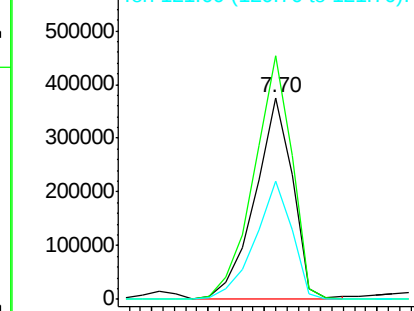
122 100

107 120.9 89.2 133.8

121 58.7 45.2 67.8



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



#28

bis(2-Chloroethoxy)methane

Concen: 33.43 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

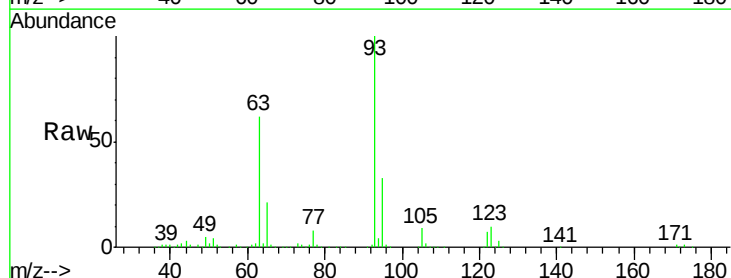
Tgt Ion: 93 Resp: 567954

Ion Ratio Lower Upper

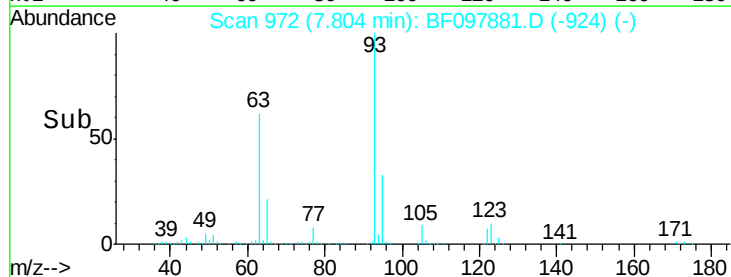
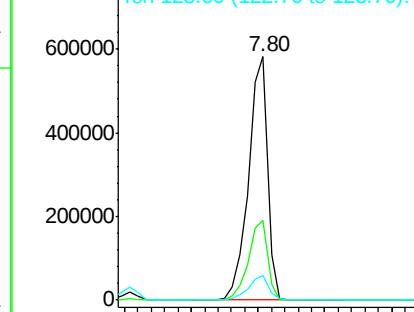
93 100

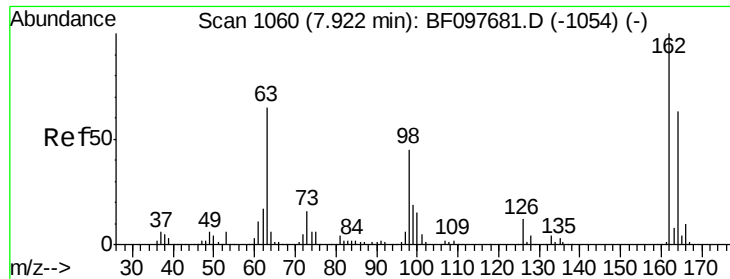
95 33.0 26.5 39.7

123 10.2 9.0 13.4



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E

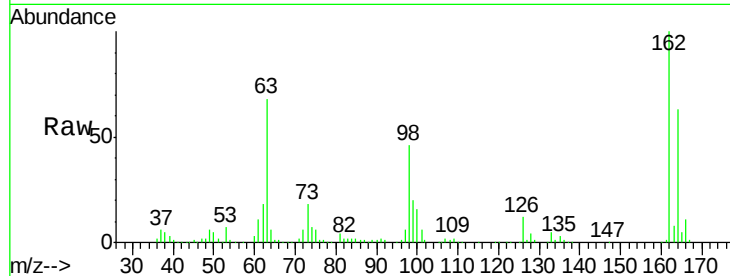




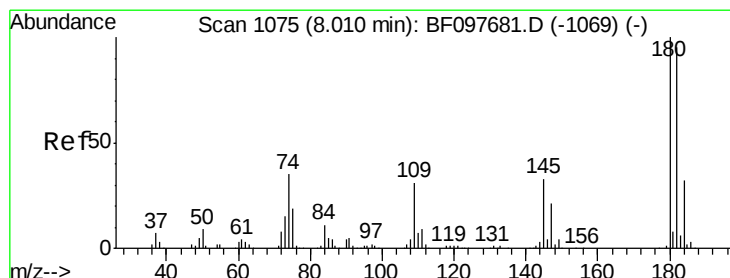
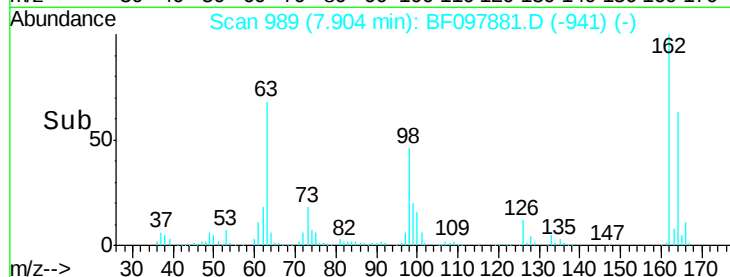
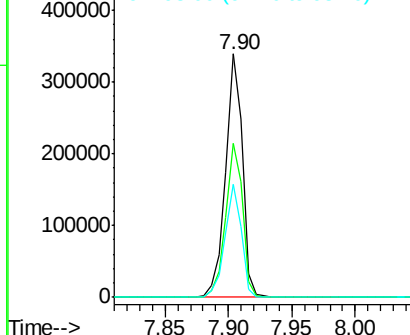
#29
 2,4-Dichlorophenol
 Concen: 34.88 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.6	84.6
98	46.4	14.8	54.8

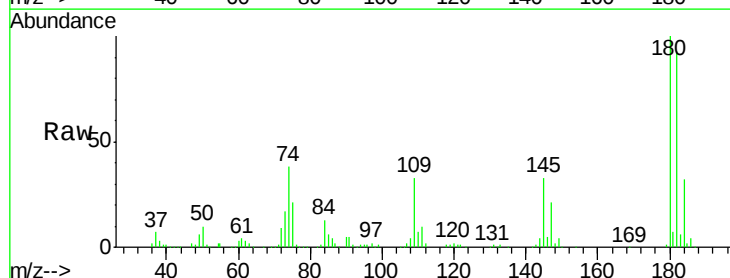


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

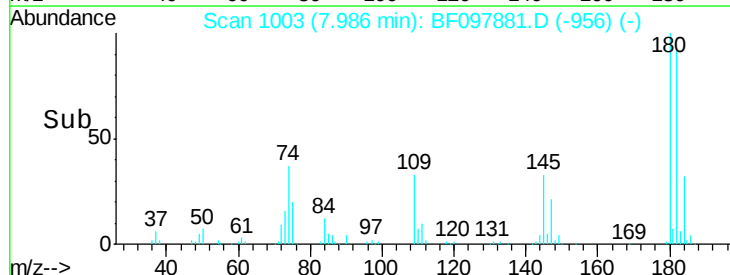
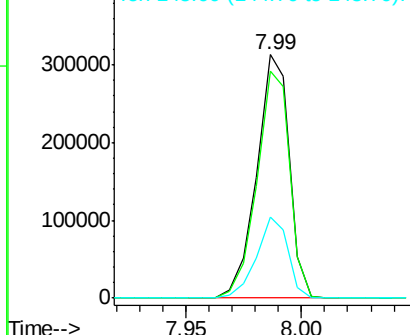


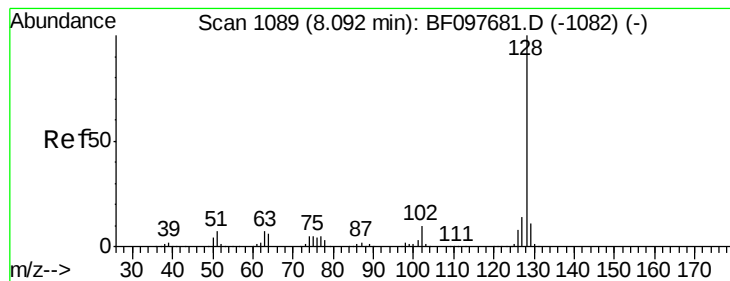
#30
 1,2,4-Trichlorobenzene
 Concen: 30.98 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.8	113.6
145	33.1	25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 31.03 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

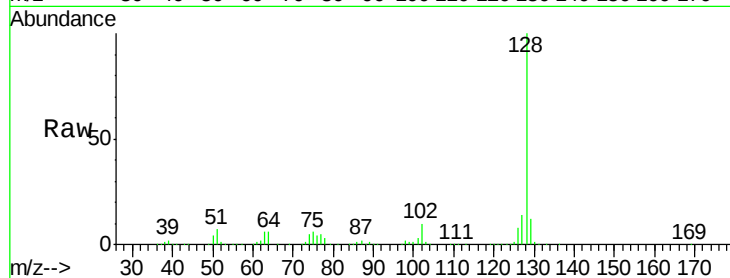
Tot Ion:128 Resp: 1087445

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

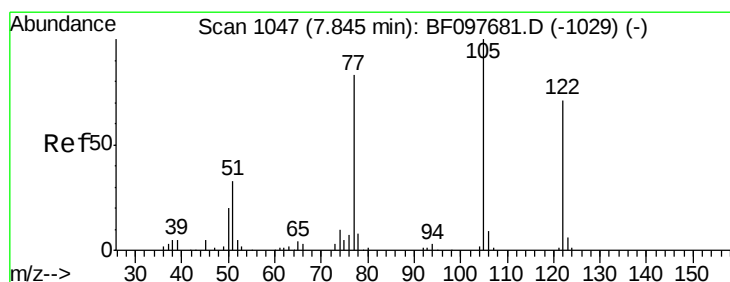
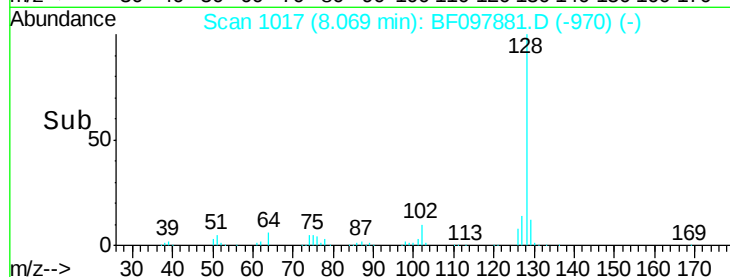
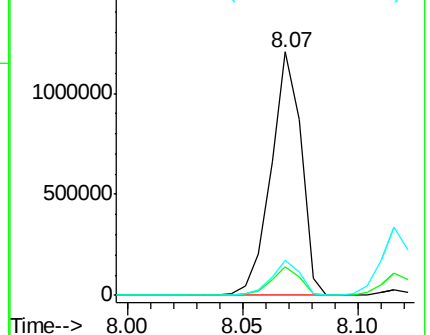
127 14.1 10.8 16.2



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: 22.47 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.03 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

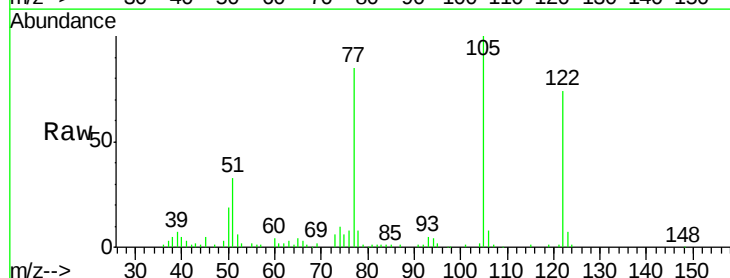
Tgt Ion:122 Resp: 145531

Ion Ratio Lower Upper

122 100

105 135.8 103.3 143.3

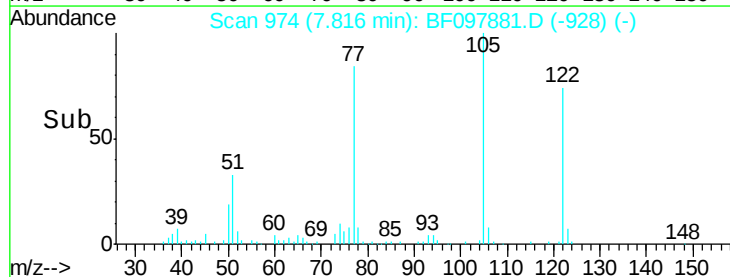
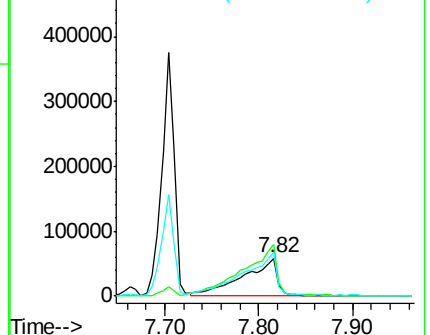
77 115.3 73.7 113.7#

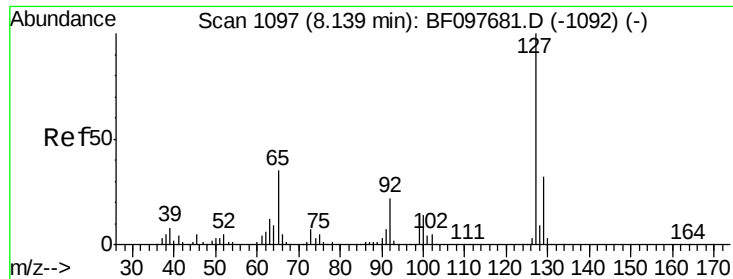


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

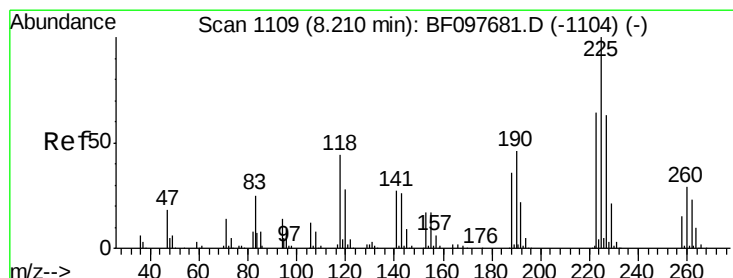
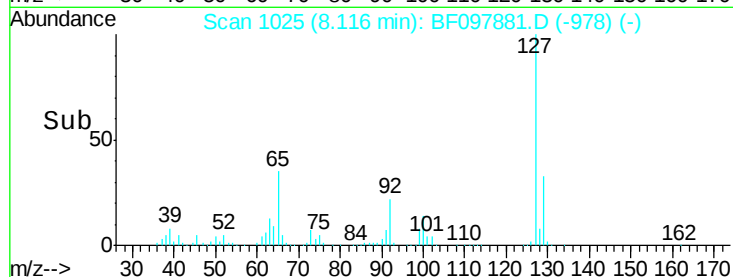
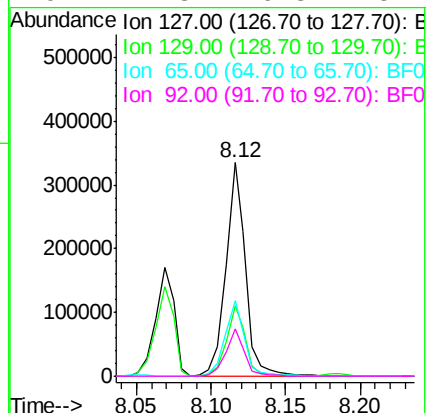
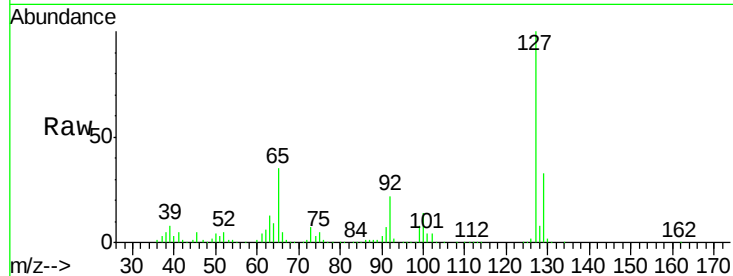




#33
4-Chloroaniline
Concen: 20.93 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

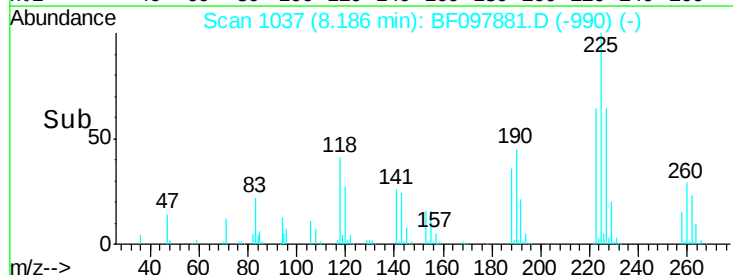
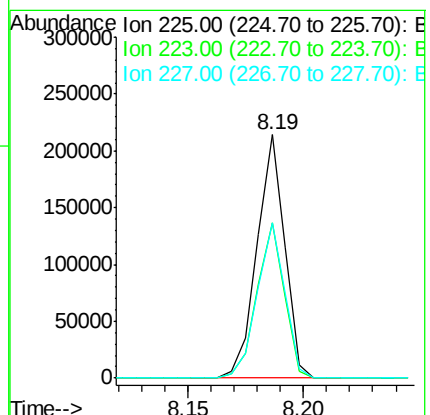
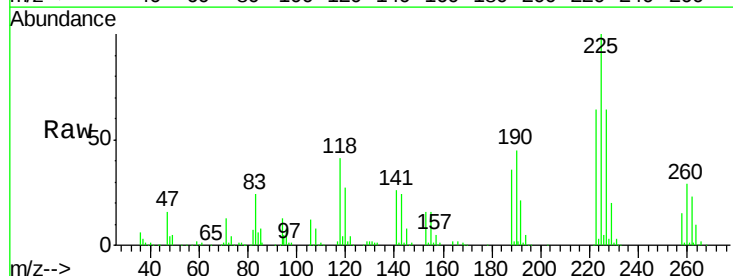
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

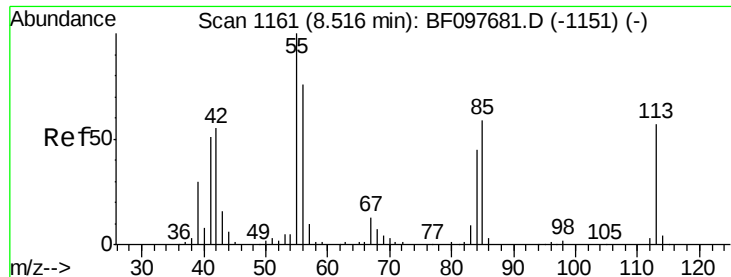
Tot Ion:	127	Resp:	309355
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.2	39.2
65	35.3	27.8	41.8
92	22.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 31.11 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:	225	Resp:	180130
Ion	Ratio	Lower	Upper
225	100		
223	63.7	48.8	73.2
227	63.6	51.1	76.7

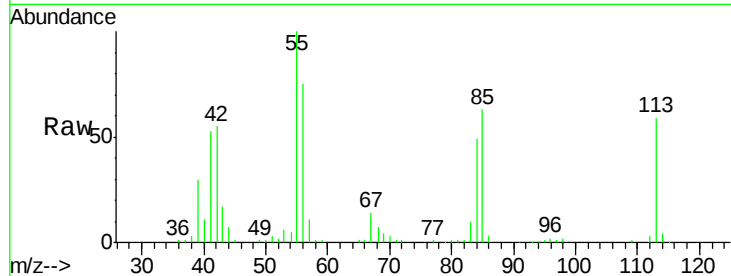




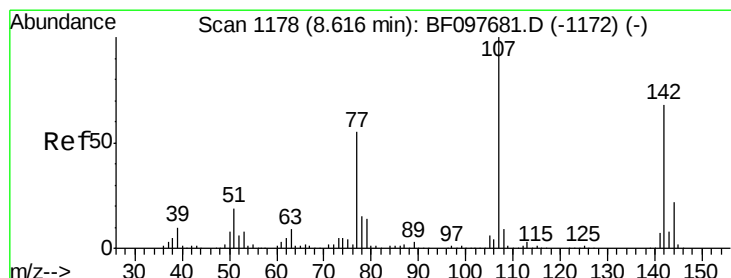
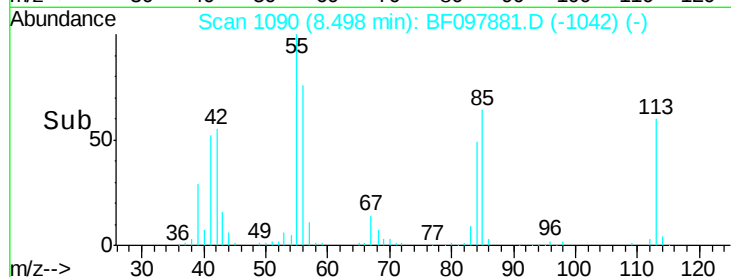
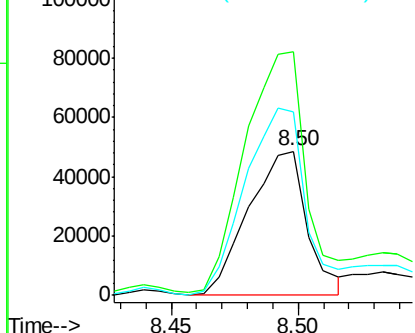
#35
 Caprolactam
 Concen: 25.69 ng
 RT: 8.50 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion:113 Resp: 78114
 Ion Ratio Lower Upper
 113 100
 55 169.2 150.2 190.2
 56 127.5 107.8 147.8

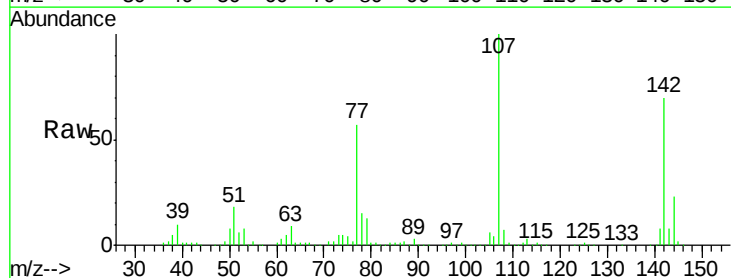


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

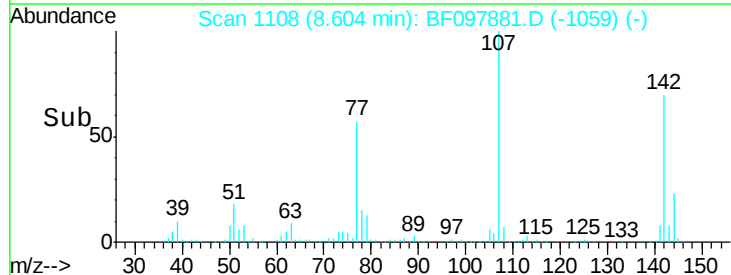
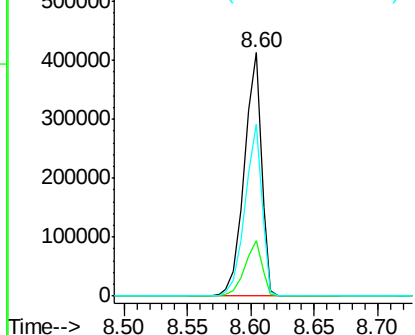


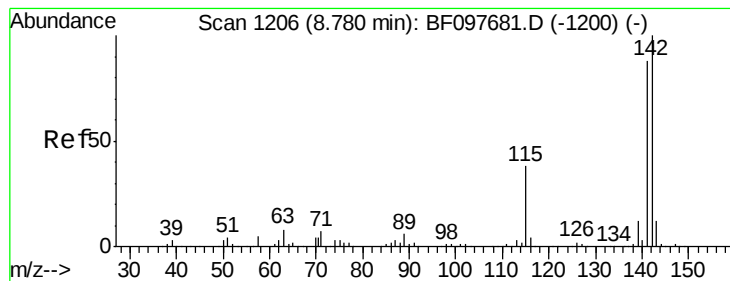
#36
 4-Chloro-3-methylphenol
 Concen: 33.65 ng
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion:107 Resp: 386766
 Ion Ratio Lower Upper
 107 100
 144 22.9 24.2 36.4#
 142 70.4 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: 34.06 ng

RT: 8.76 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

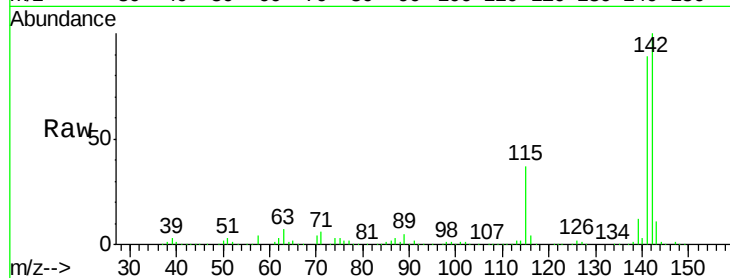
Tot Ion:142 Resp: 731731

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

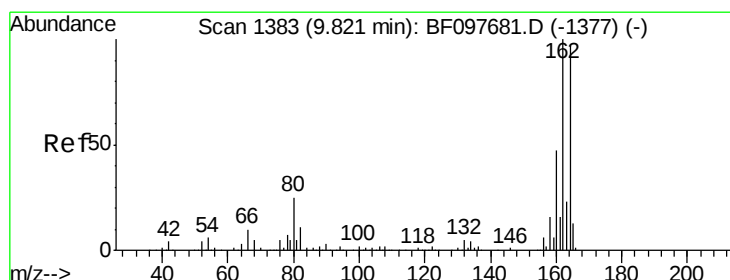
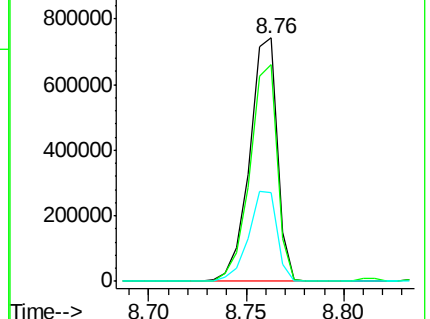
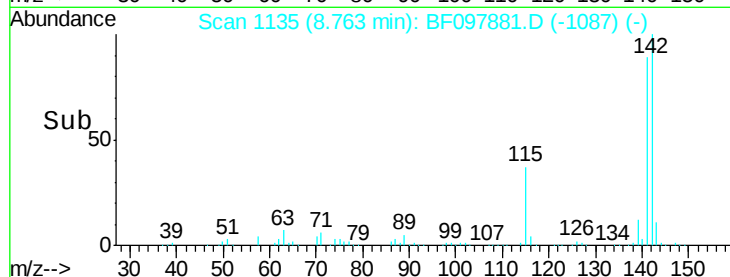
115 36.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

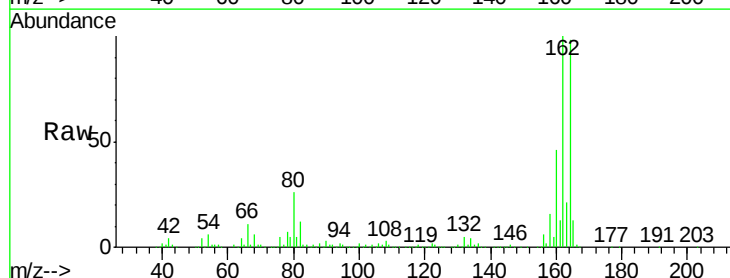
Tgt Ion:164 Resp: 301064

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

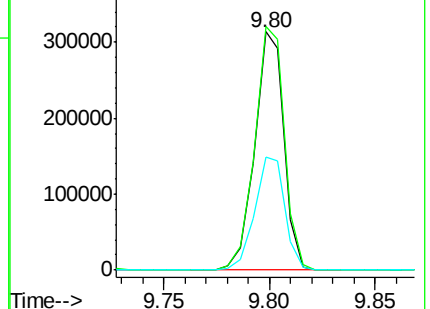
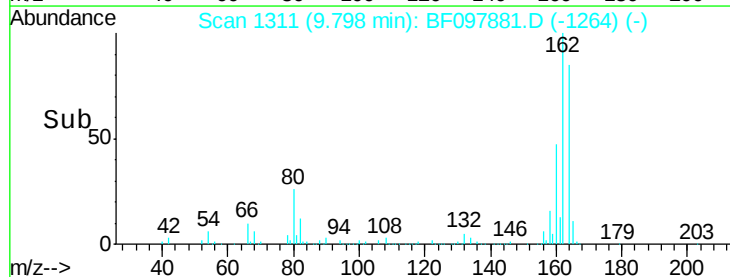
160 47.3 36.2 54.2

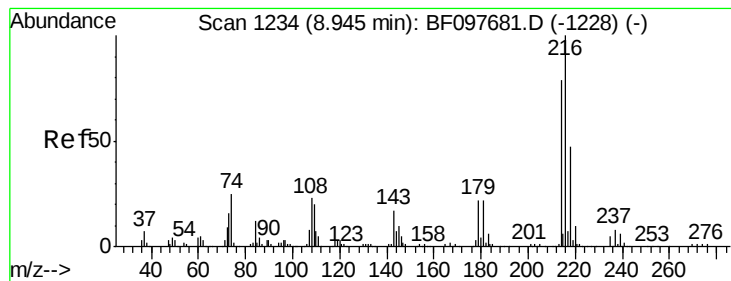


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.81 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

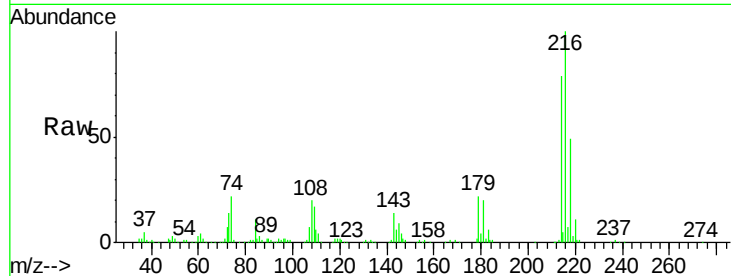
Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

Tot Ion:216	Resp:	293908
Ion Ratio	Lower	Upper
216	100	
214	79.3	63.4 95.2
179	21.8	17.9 26.9
108	25.8	16.5 24.7#

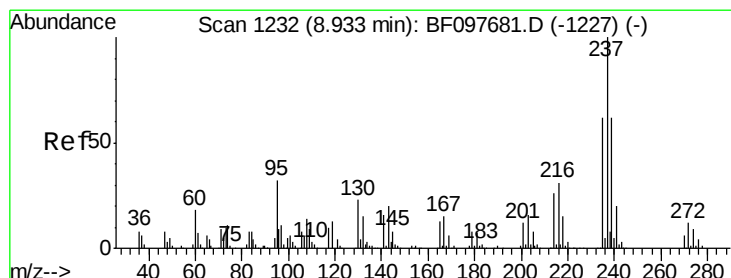
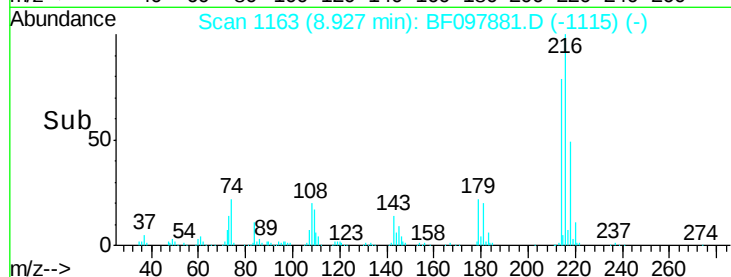
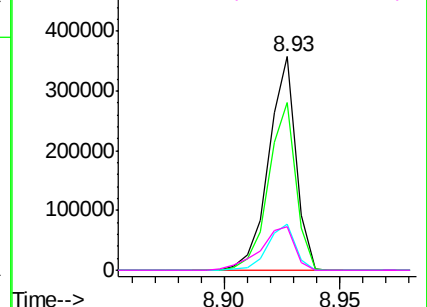


Abundance Ion 216.00 (215.70 to 216.70): E

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: 55.68 ng

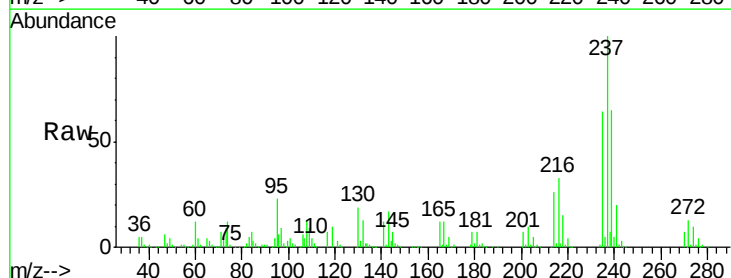
RT: 8.92 min Scan# 1161

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

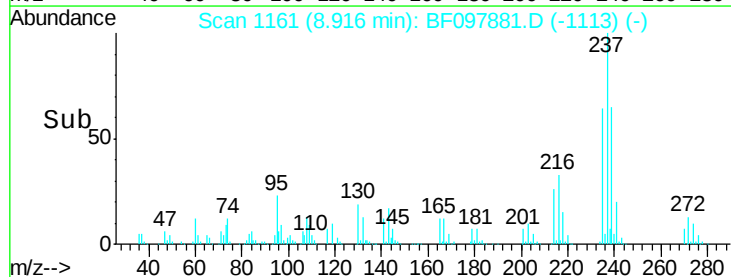
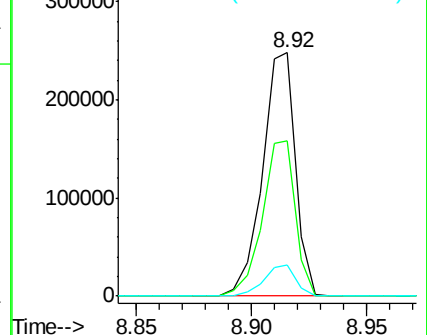
Tgt Ion:237	Resp:	247141
Ion Ratio	Lower	Upper
237	100	
235	63.8	42.6 82.6
272	12.7	0.0 31.9

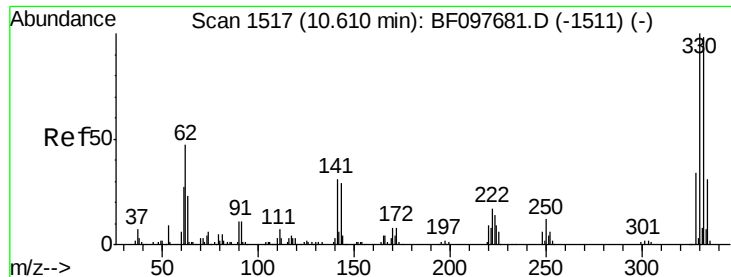


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

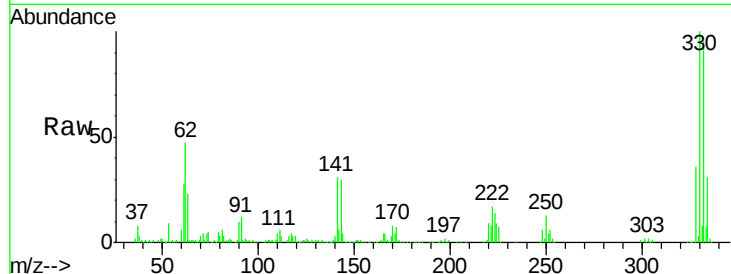




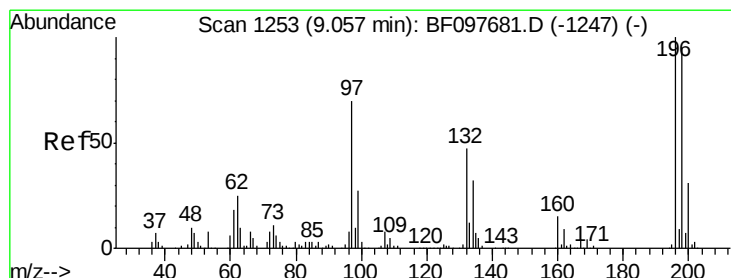
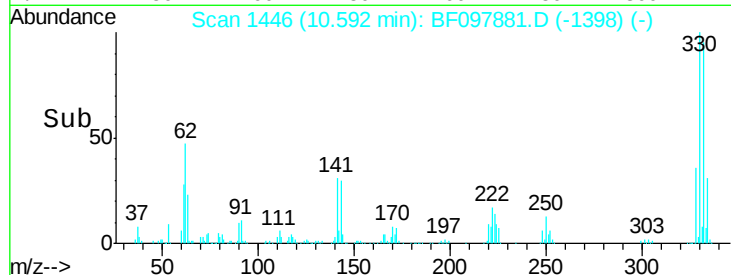
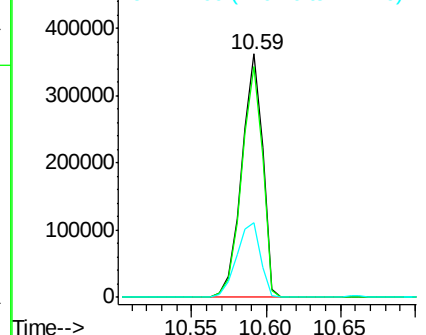
#41
 2,4,6-Tribromophenol
 Concen: 136.21 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	34.8	31.4	47.2

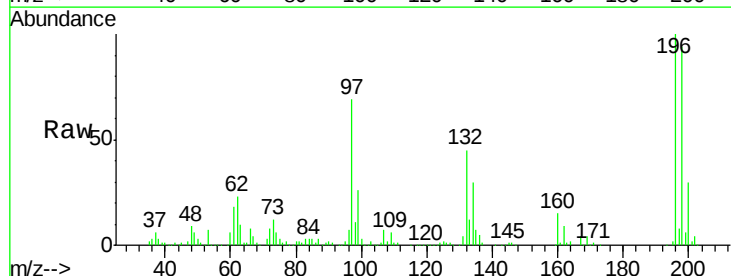


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

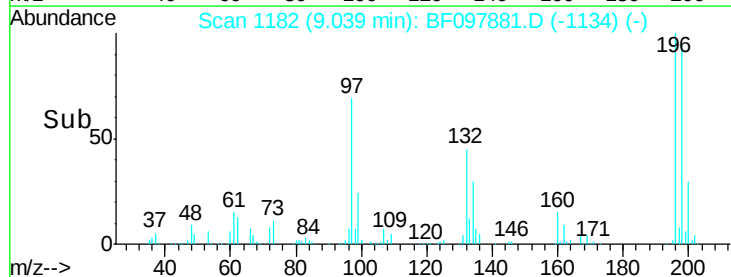
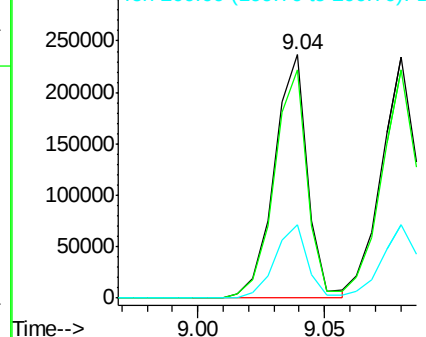


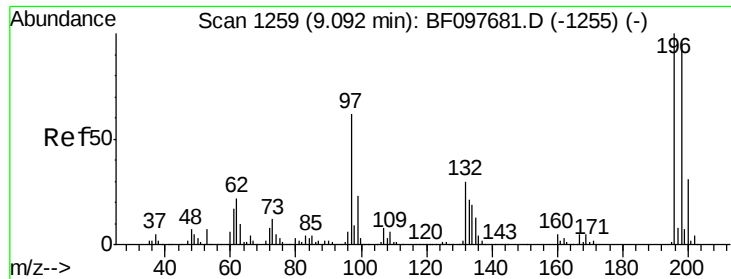
#42
 2,4,6-Trichlorophenol
 Concen: 35.06 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.6	74.2	111.4
200	30.4	24.0	36.0



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

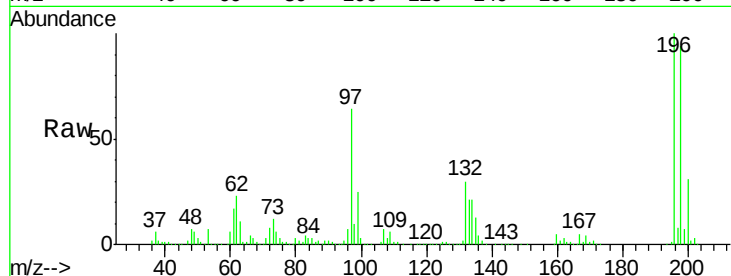




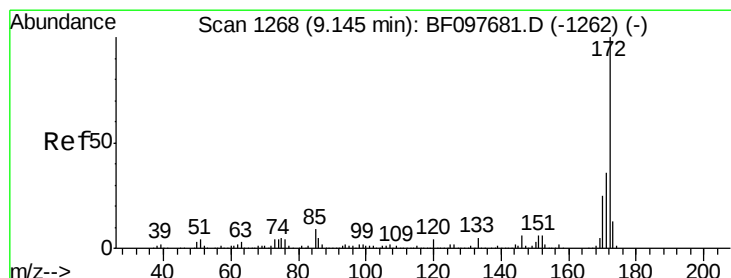
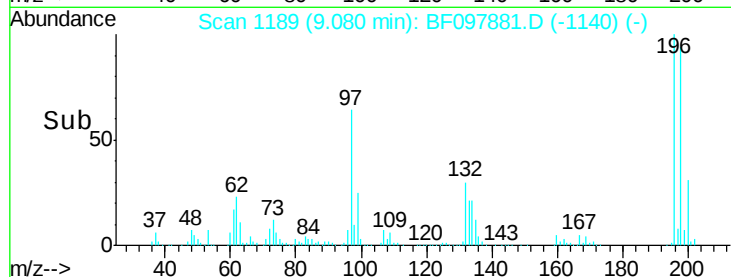
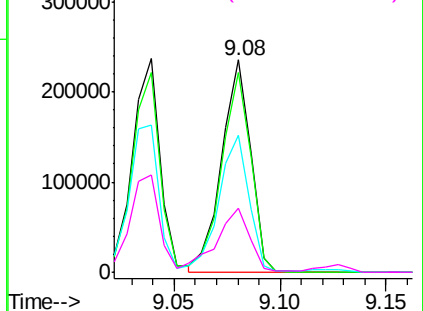
#43
 2,4,5-Trichlorophenol
 Concen: 36.27 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.7	113.5
97	64.4	47.7	71.5
132	30.3	28.0	42.0

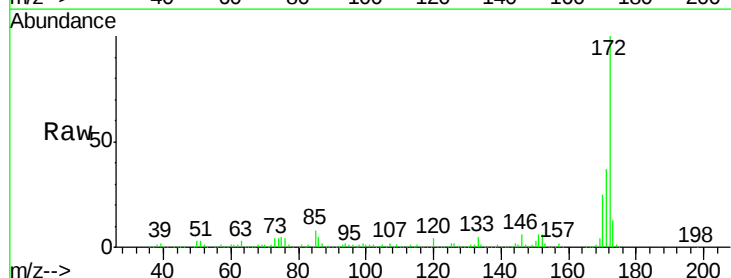


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

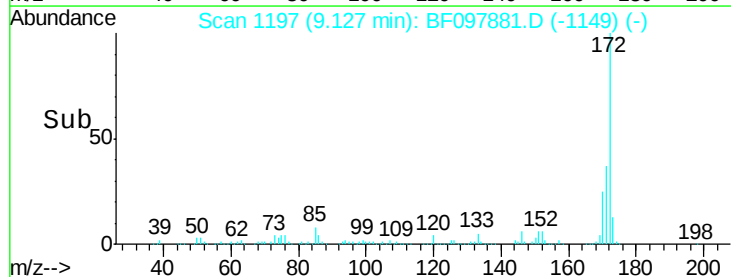
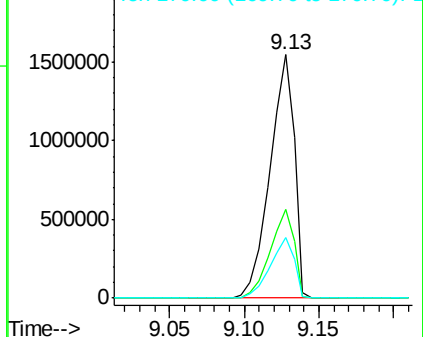


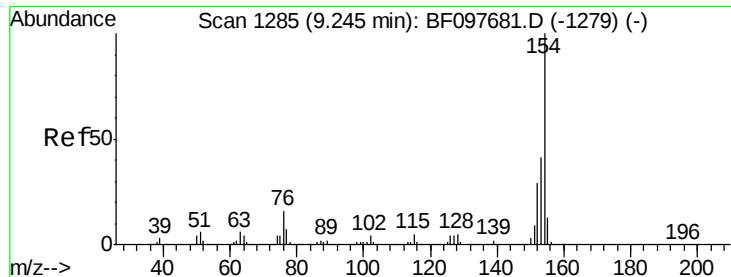
#44
 2-Fluorobiphenyl
 Concen: 84.65 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.9	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

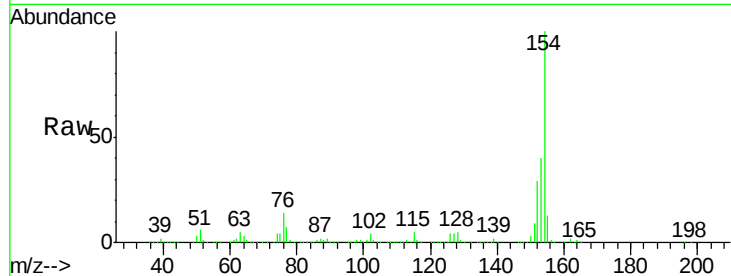




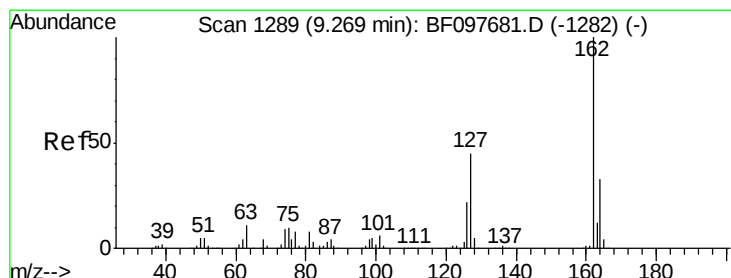
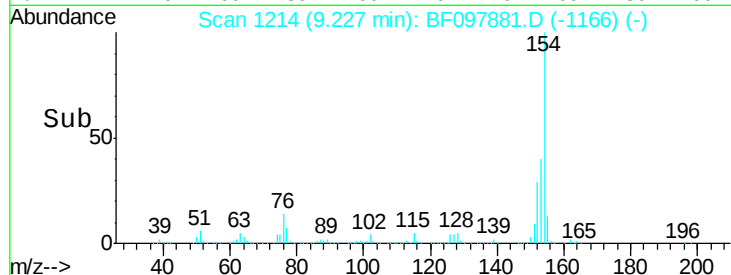
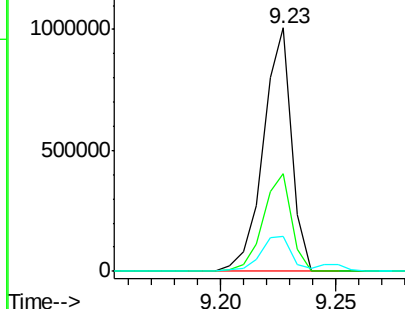
#45
 1,1'-Biphenyl
 Concen: 31.17 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	14.4	0.0	29.9

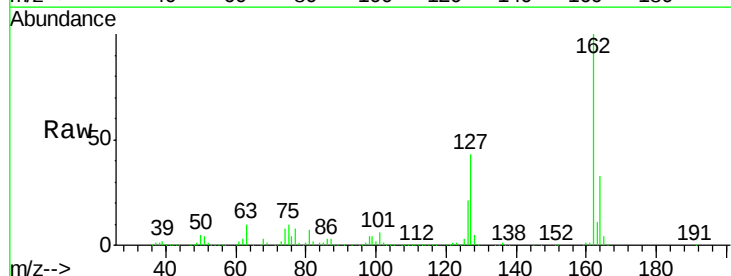


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

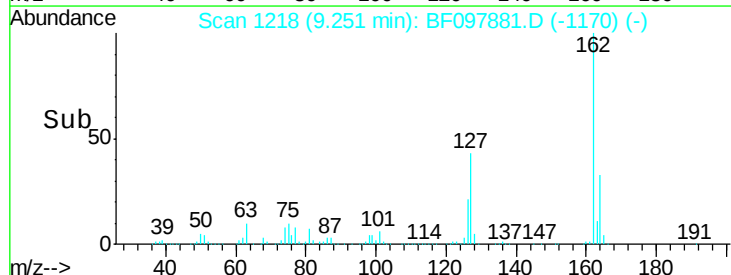
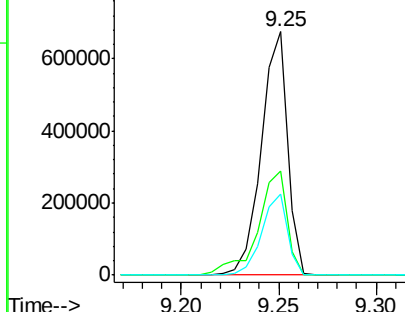


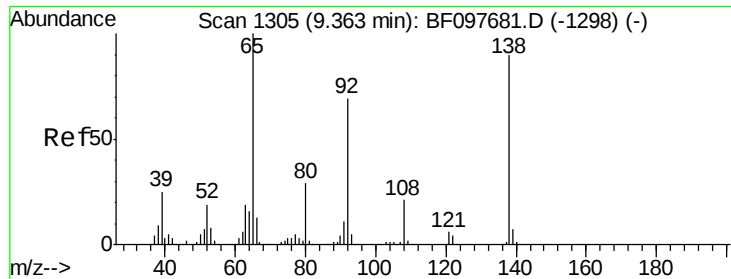
#46
 2-Chloronaphthalene
 Concen: 31.01 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.5	28.3	42.5#
164	33.3	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

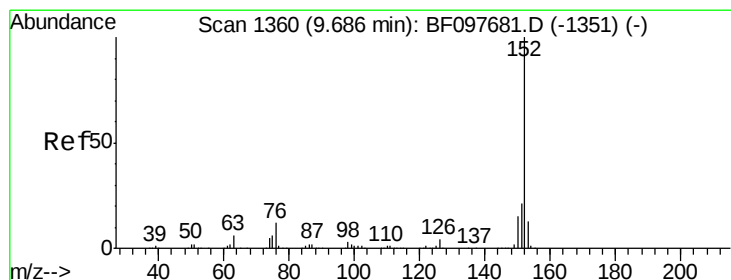
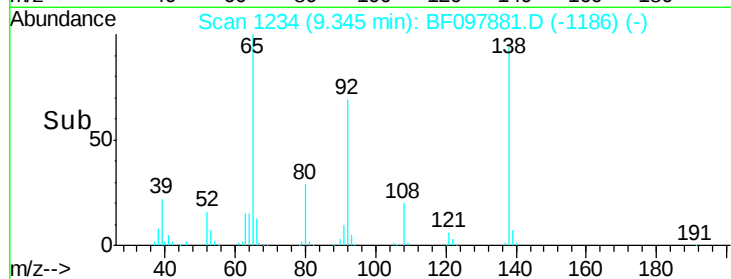
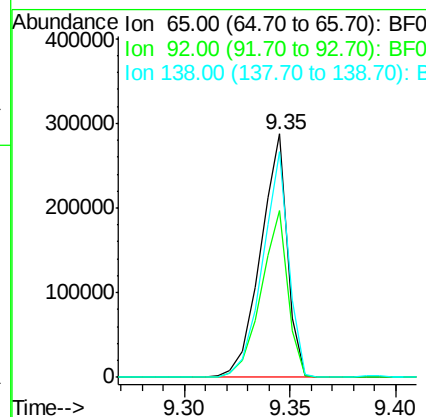
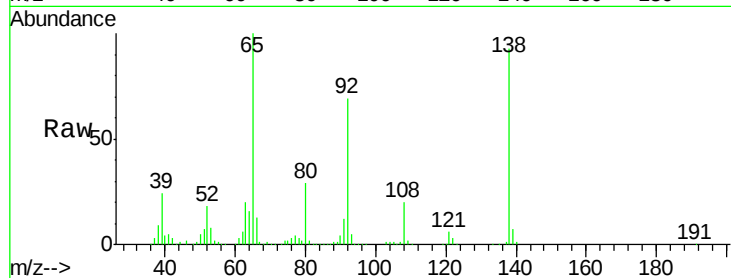




#47
2-Nitroaniline
Concen: 37.39 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

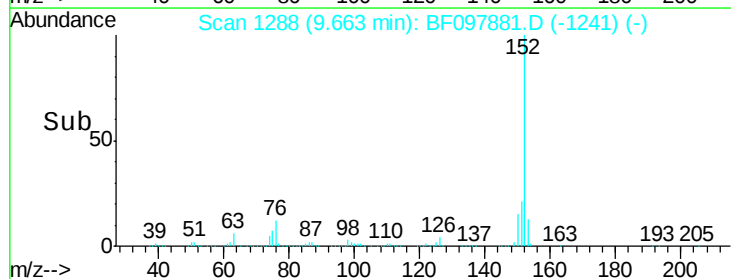
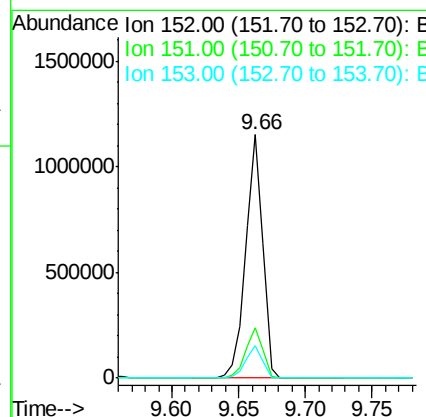
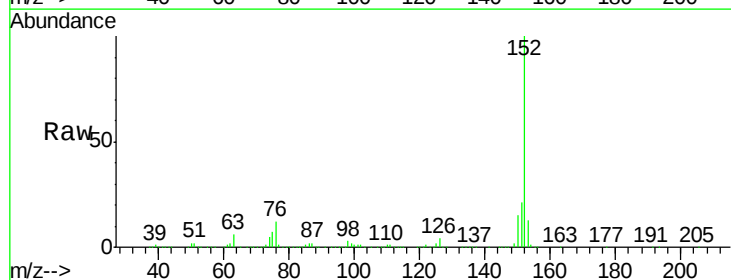
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

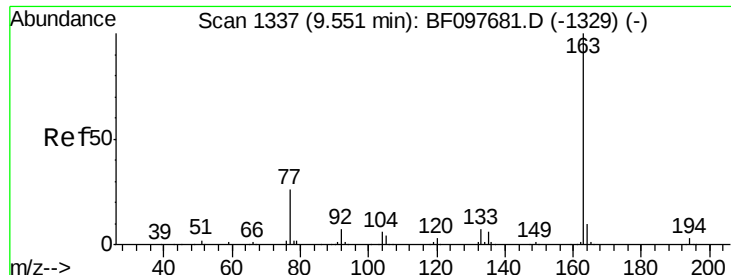
Tot Ion	65	92	138	Resp	254268
Ion Ratio	100	68.7	92.7	Lower	Upper
		53.9	78.8		118.2



#48
Acenaphthylene
Concen: 31.95 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion	152	151	153	Resp	1017859
Ion Ratio	100	20.6	13.2	Lower	Upper
		16.8	10.8		25.2

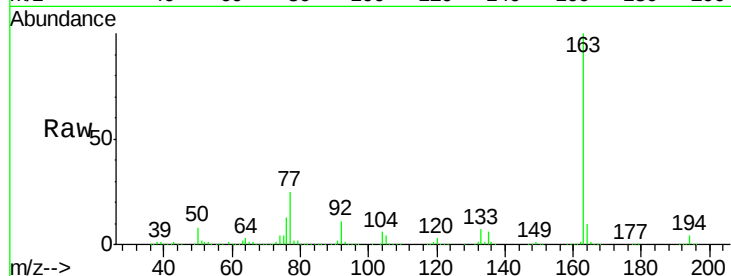




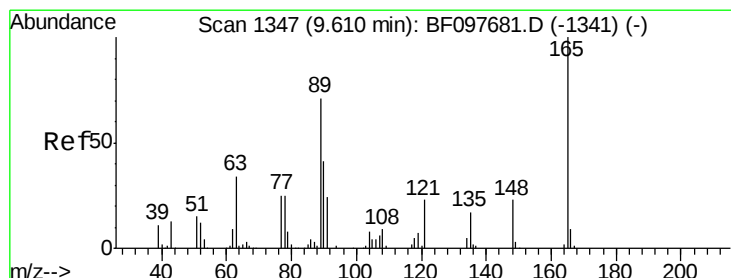
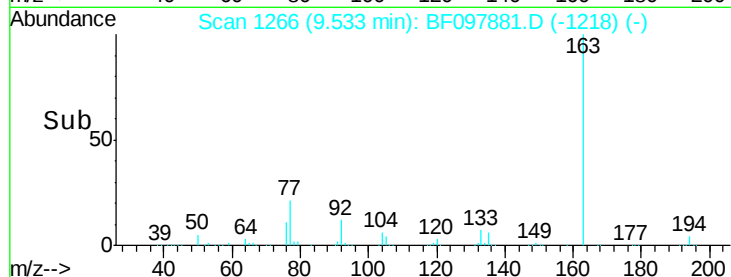
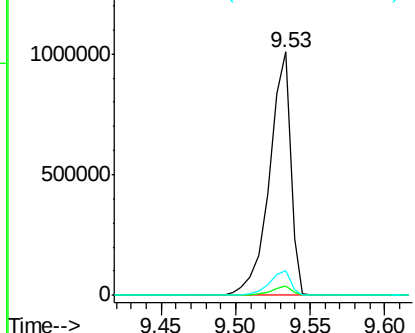
#49
Dimethylphthalate
Concen: 44.82 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

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

Tot Ion:163 Resp: 986302
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.1 8.4 12.6

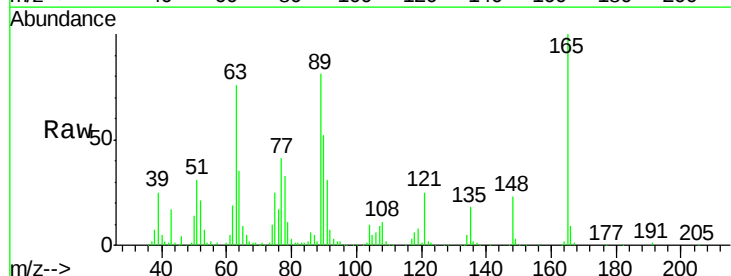


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

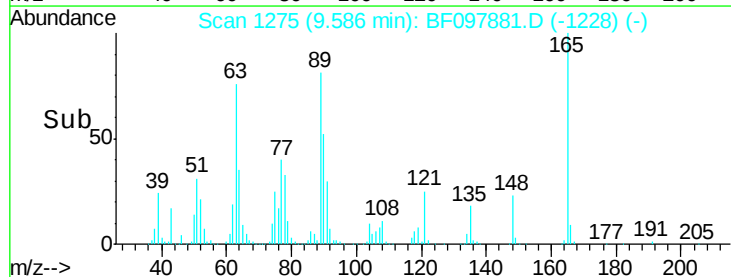
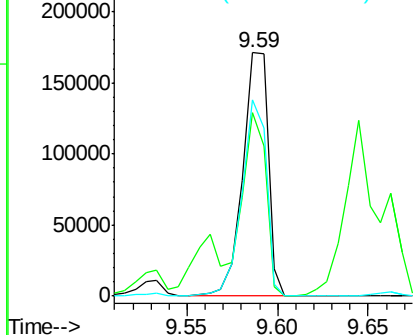


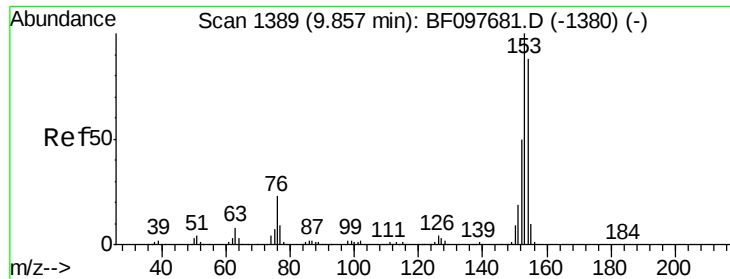
#50
2,6-Dinitrotoluene
Concen: 38.08 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:165 Resp: 167262
Ion Ratio Lower Upper
165 100
63 75.5 34.3 51.5#
89 80.9 37.1 55.7#



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





#51

Acenaphthene

Concen: 33.05 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

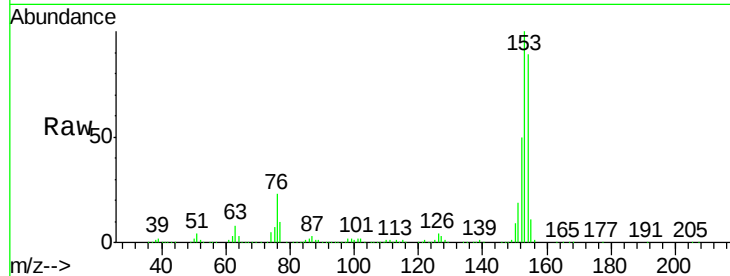
Tot Ion:154 Resp: 663926

Ion Ratio Lower Upper

154 100

153 112.7 90.5 135.7

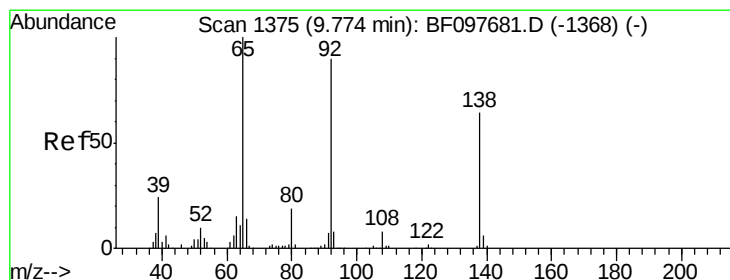
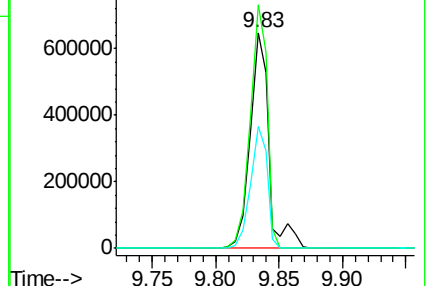
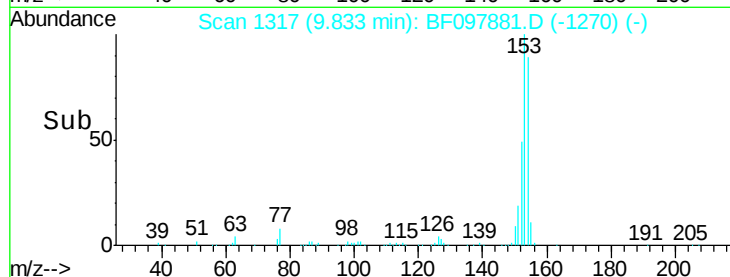
152 56.5 43.6 65.4



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: 25.77 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

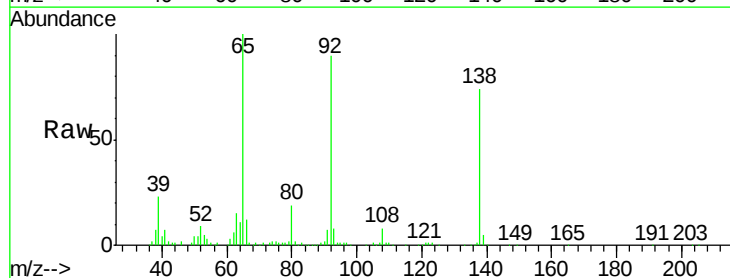
Tgt Ion:138 Resp: 146044

Ion Ratio Lower Upper

138 100

108 10.7 9.1 13.7

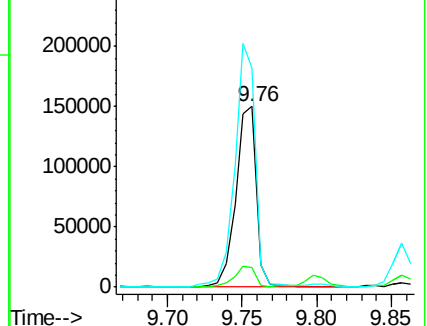
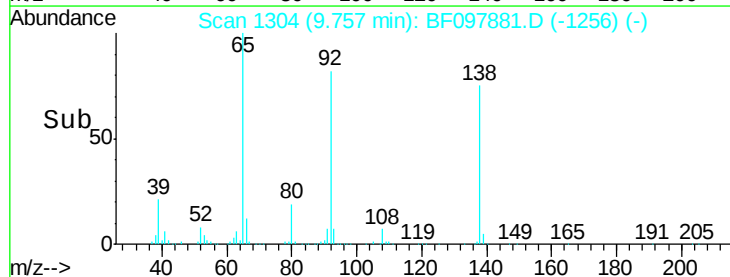
92 121.2 93.8 140.6

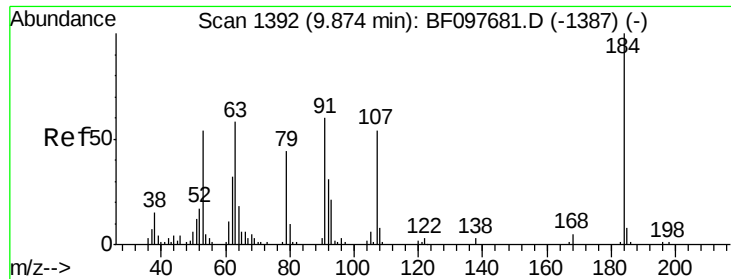


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

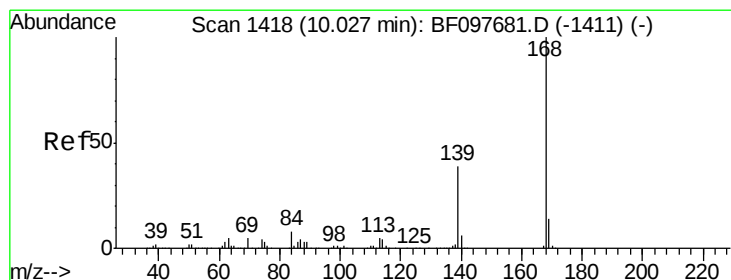
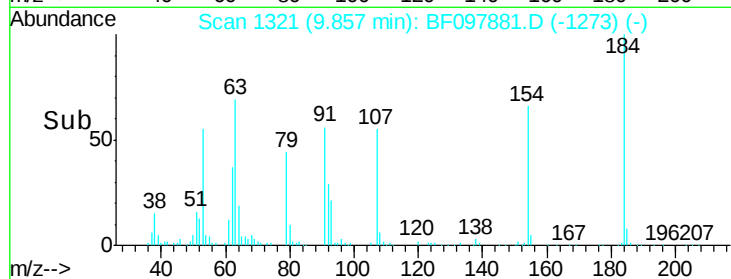
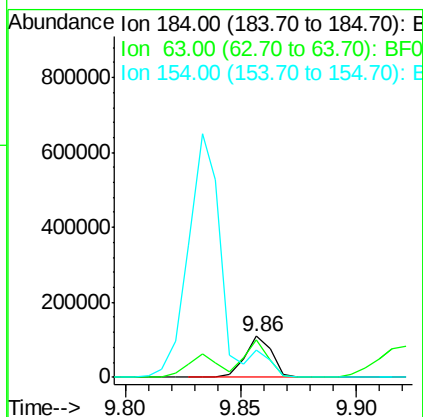
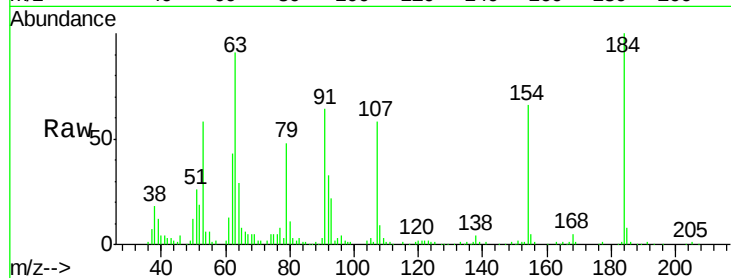




#53
2,4-Dinitrophenol
Concen: 47.67 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

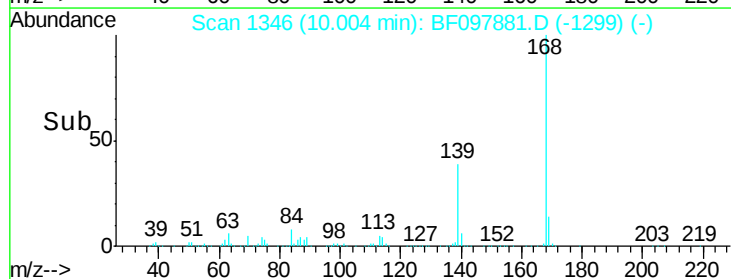
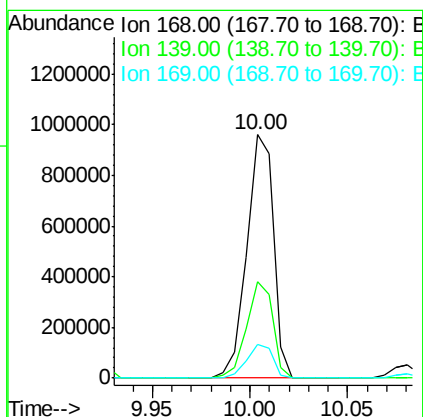
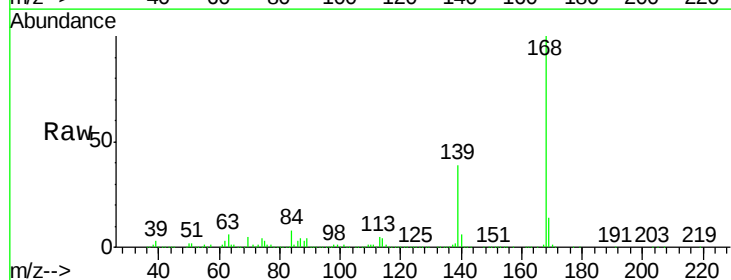
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

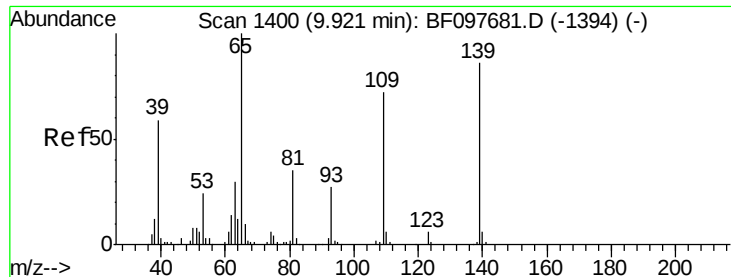
Tot Ion:184 Resp: 89805
Ion Ratio Lower Upper
184 100
63 90.6 62.7 94.1
154 66.2 81.1 121.7#



#54
Dibenzofuran
Concen: 33.74 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:168 Resp: 908578
Ion Ratio Lower Upper
168 100
139 39.5 30.6 45.8
169 13.7 10.8 16.2

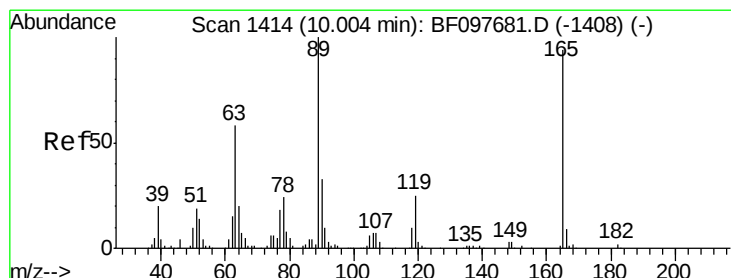
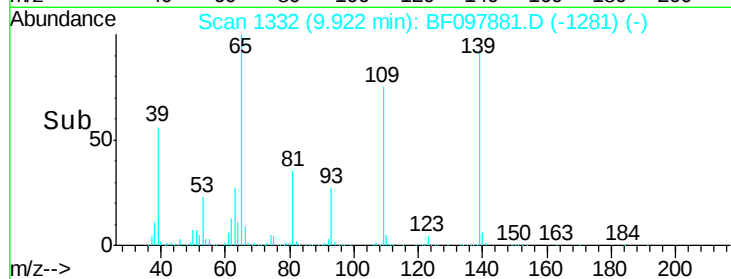
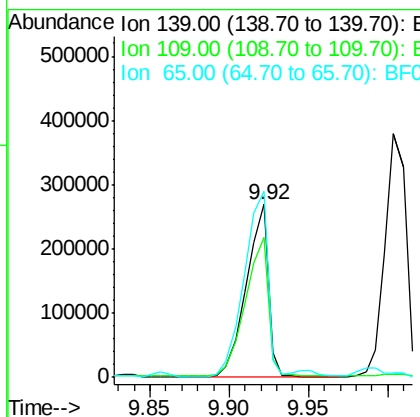
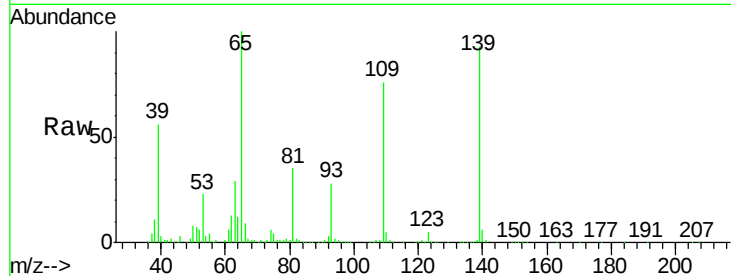




#55
4-Nitrophenol
Concen: 57.92 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

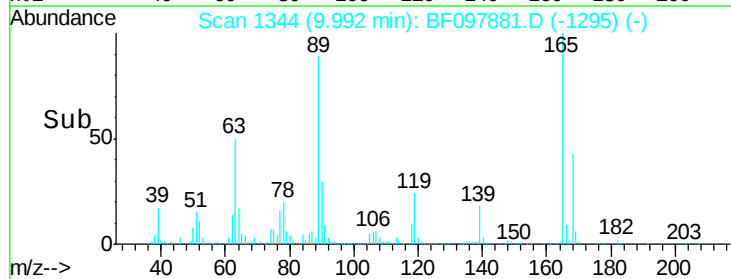
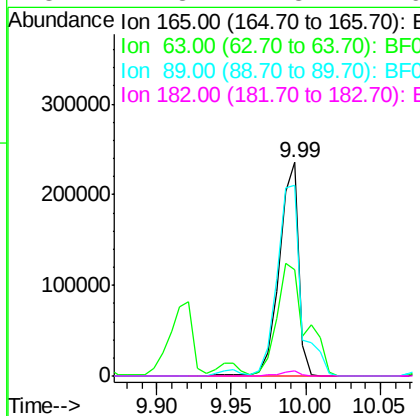
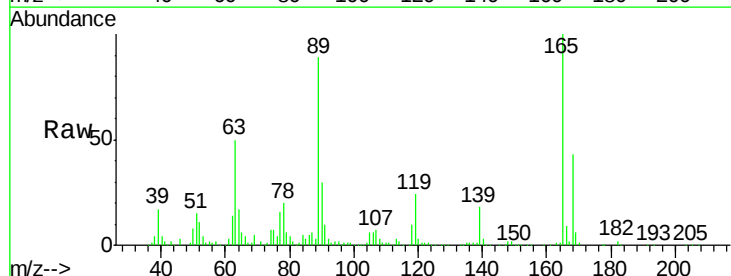
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

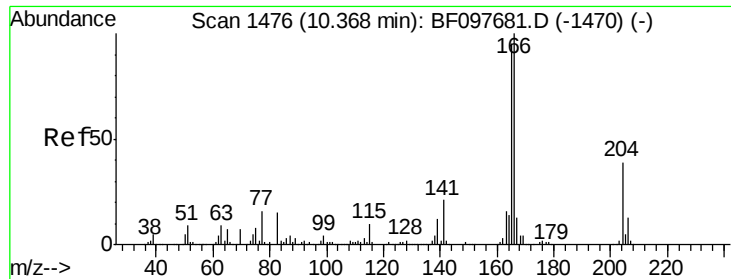
Tot Ion:139 Resp: 261839
Ion Ratio Lower Upper
139 100
109 81.2 34.1 74.1#
65 107.4 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 38.76 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:165 Resp: 213659
Ion Ratio Lower Upper
165 100
63 49.8 25.4 38.0#
89 89.3 46.4 69.6#
182 2.3 1.8 2.6

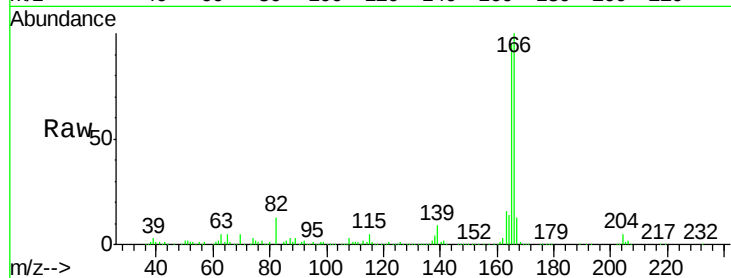




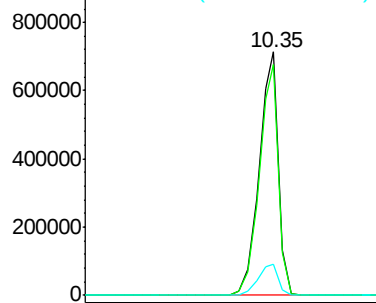
#57
 Fluorene
 Concen: 31.10 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

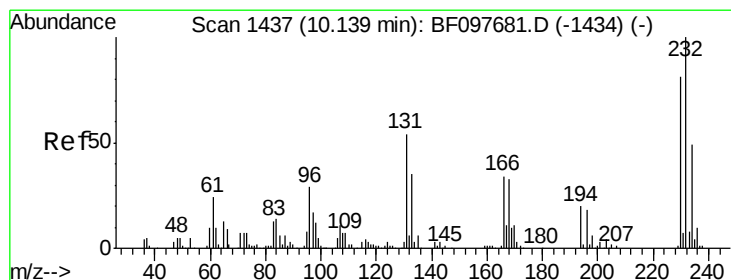
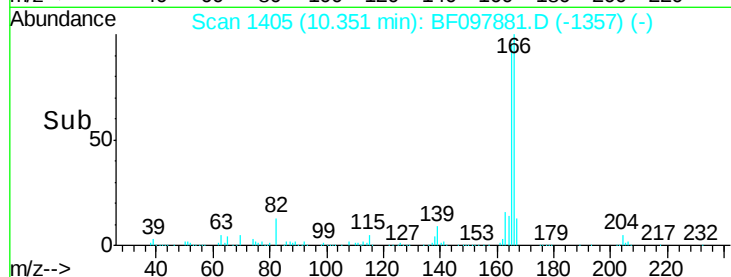
Tot Ion:166 Resp: 647415
 Ion Ratio Lower Upper
 166 100
 165 94.7 78.8 118.2
 167 13.1 10.6 16.0



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

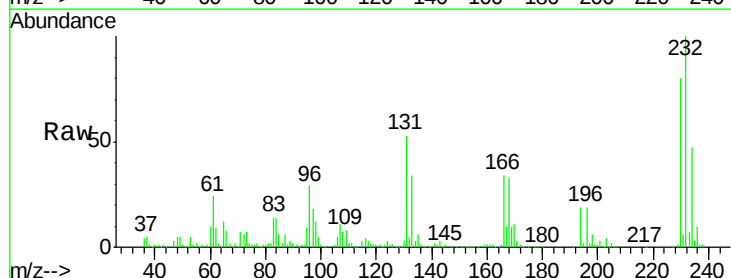


Time-->

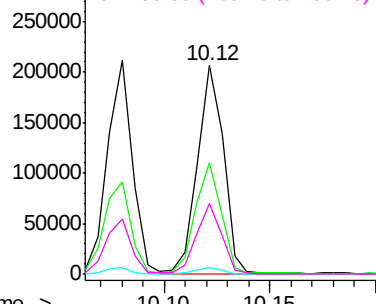


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 36.62 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

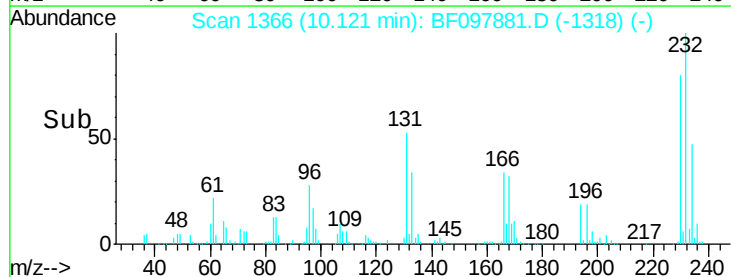
Tgt Ion:232 Resp: 174496
 Ion Ratio Lower Upper
 232 100
 131 53.4 44.8 67.2
 130 2.9 2.3 3.5
 166 33.3 29.0 43.4

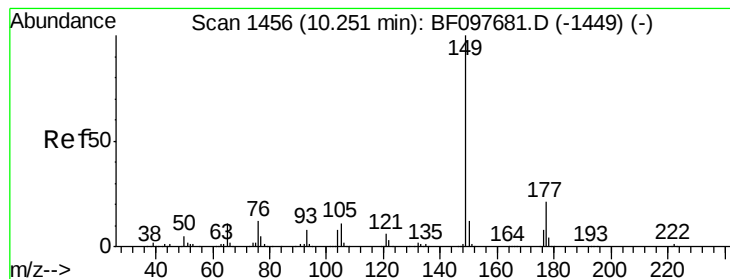


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E



Time-->





#59

Diethylphthalate

Concen: 36.15 ng

RT: 10.23 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

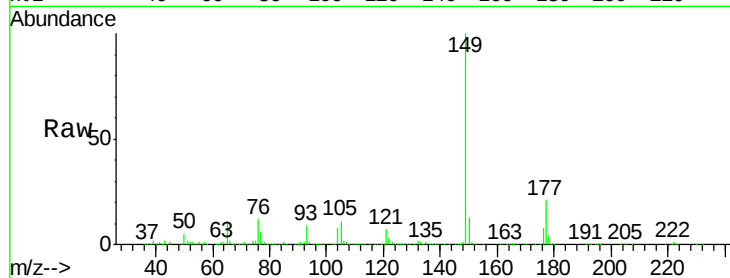
Tot Ion:149 Resp: 832053

Ion Ratio Lower Upper

149 100

177 20.5 16.7 25.1

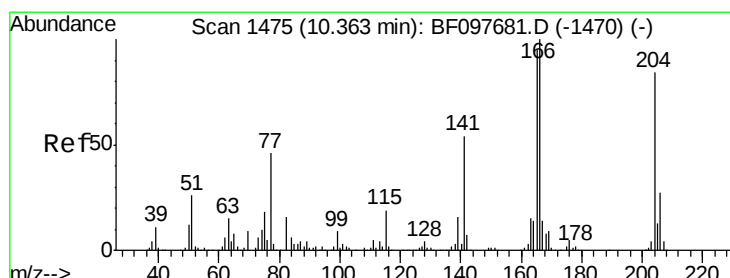
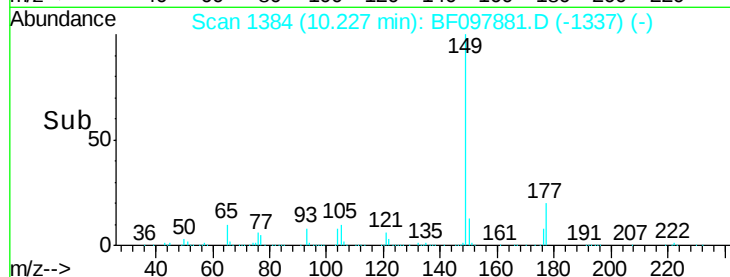
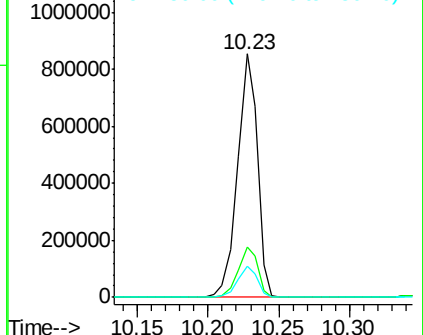
150 12.6 10.2 15.2



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: 32.36 ng

RT: 10.34 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

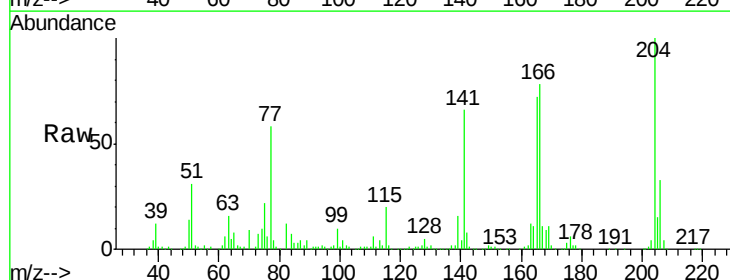
Tgt Ion:204 Resp: 312978

Ion Ratio Lower Upper

204 100

206 32.5 26.2 39.2

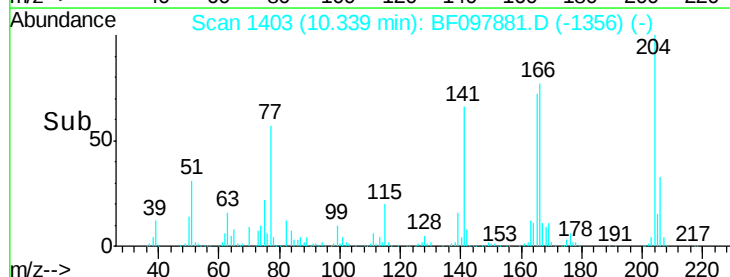
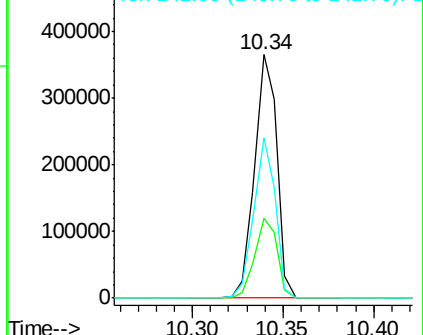
141 66.1 60.8 91.2

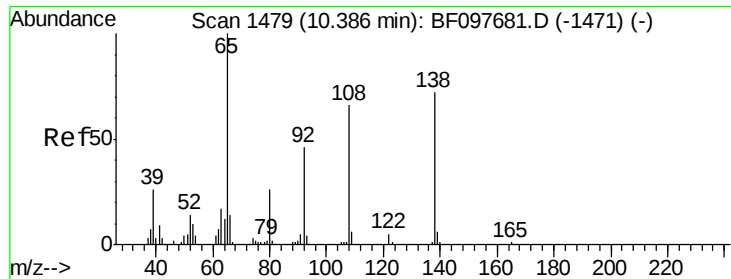


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

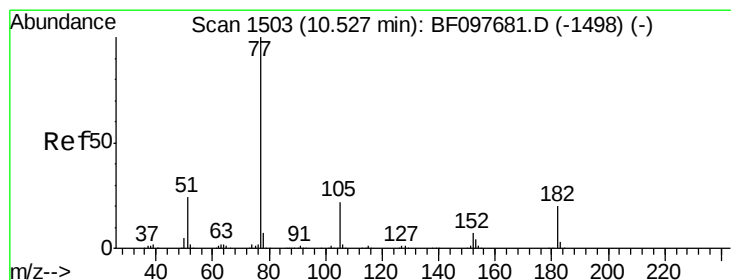
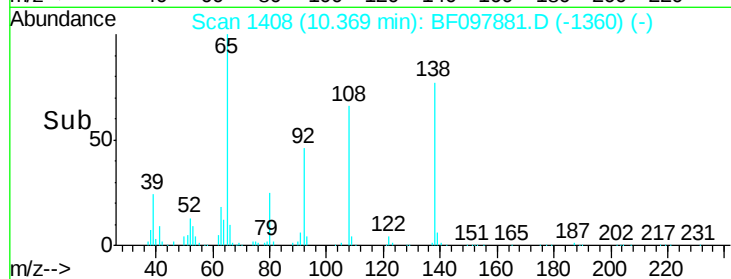
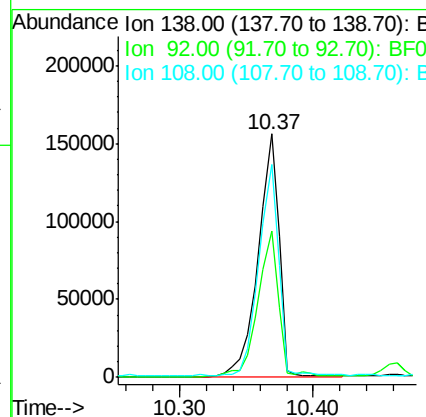
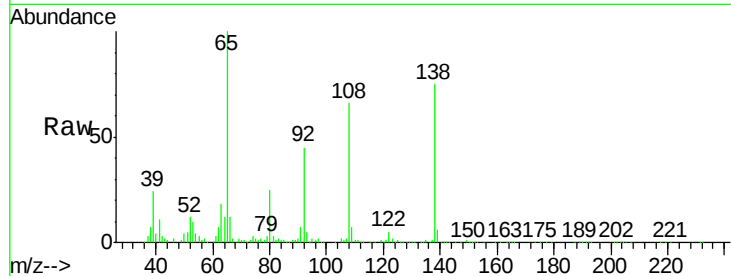




#61
4-Nitroaniline
Concen: 30.73 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

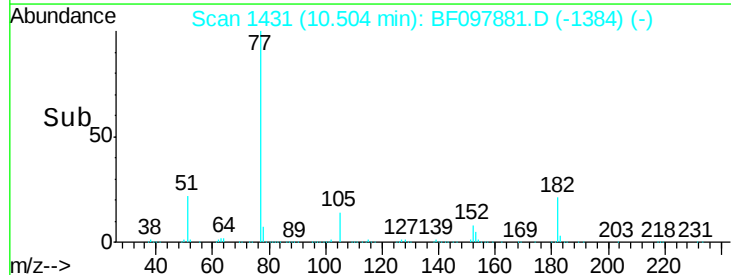
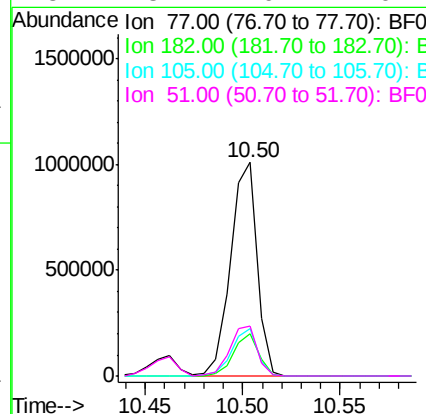
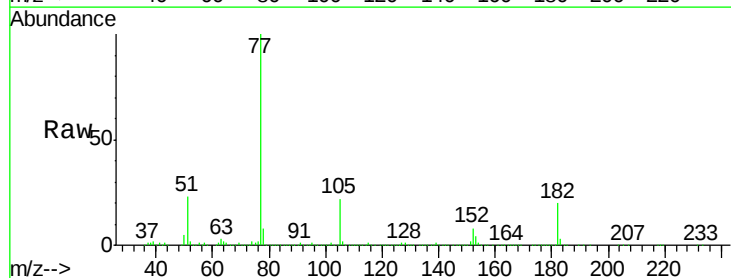
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

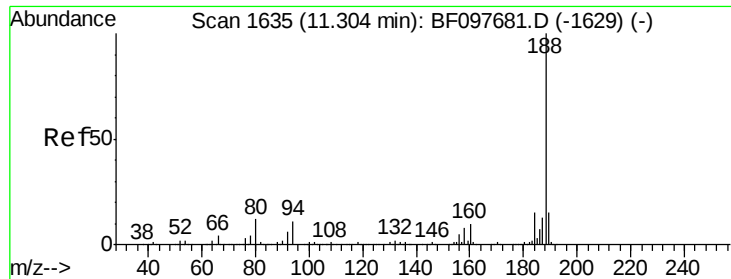
Tot Ion:138 Resp: 165550
Ion Ratio Lower Upper
138 100
92 60.0 21.8 61.8
108 87.6 42.3 82.3#



#62
Azobenzene
Concen: 34.67 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion: 77 Resp: 947662
Ion Ratio Lower Upper
77 100
182 20.0 0.1 40.1
105 21.9 3.6 43.6
51 23.2 9.4 49.4

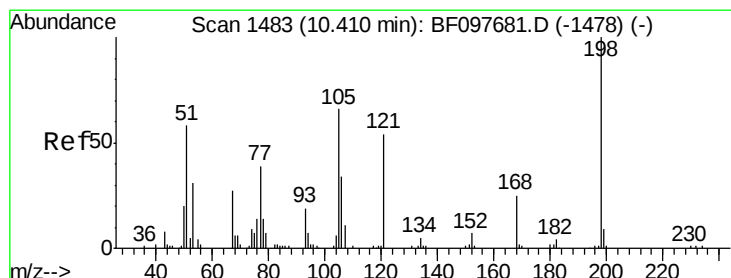
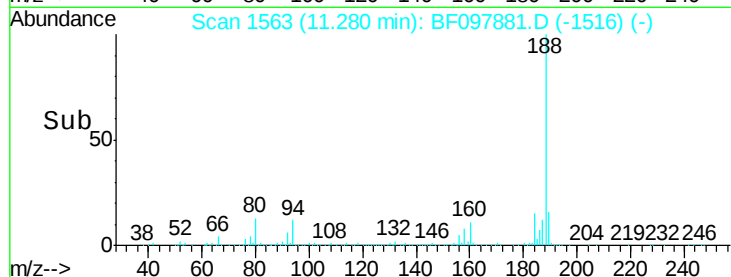
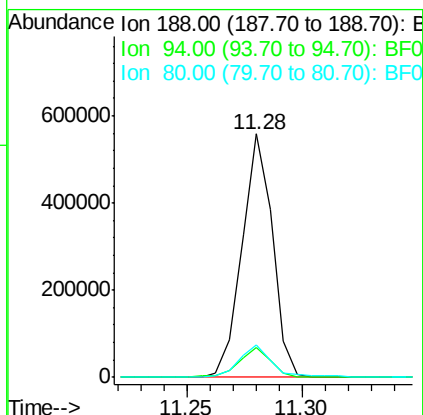
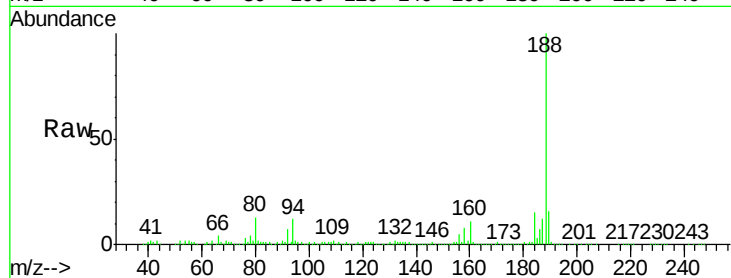




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

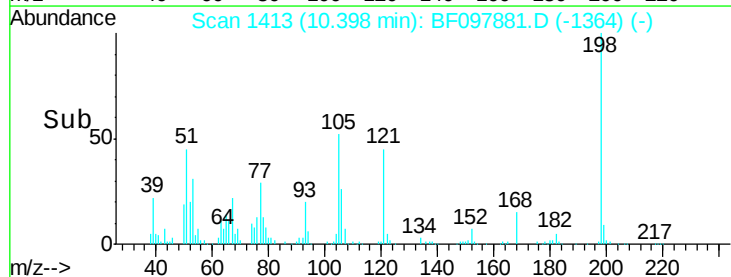
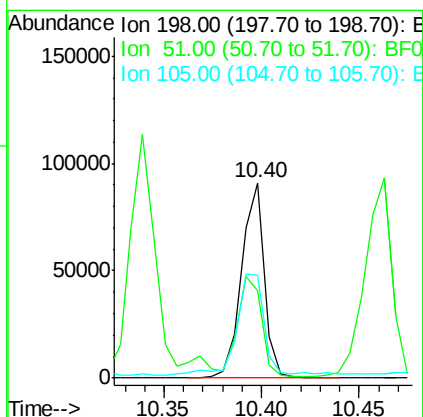
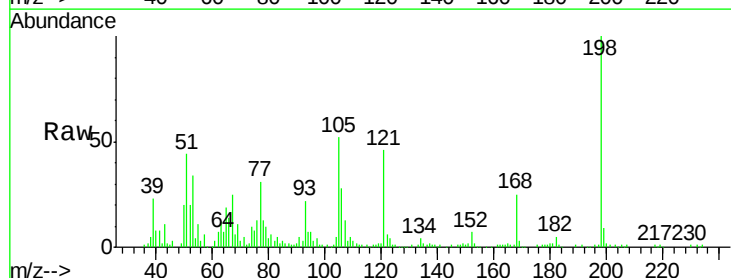
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

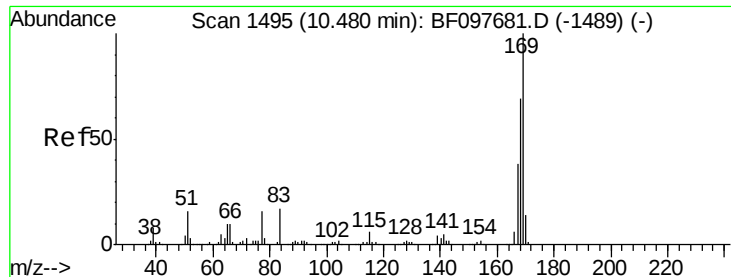
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	13.1	10.2	15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 33.37 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
198	100		
51	44.5	53.2	93.2#
105	52.4	45.8	85.8





#65

n-Nitrosodiphenylamine

Concen: 35.38 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

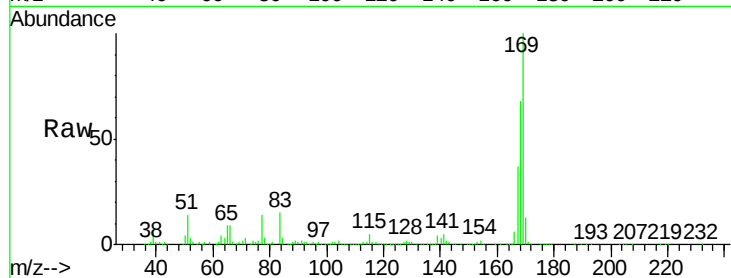
Tot Ion:169 Resp: 620168

Ion Ratio Lower Upper

169 100

168 67.8 53.2 79.8

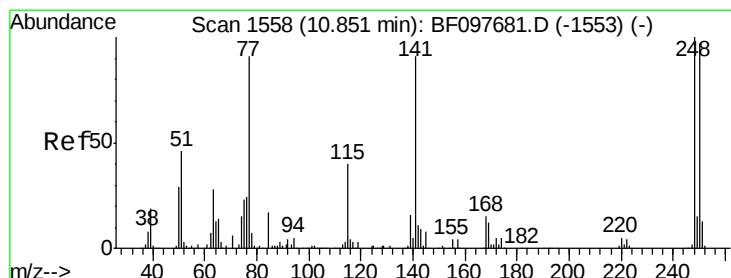
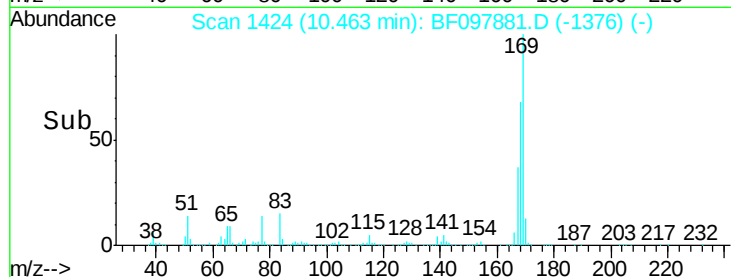
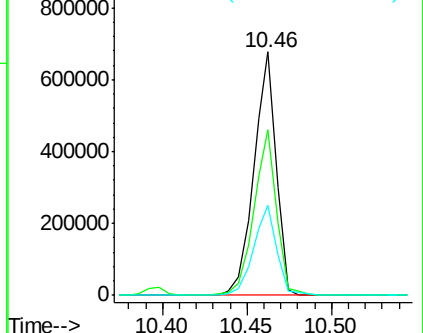
167 37.2 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 37.31 ng

RT: 10.83 min Scan# 1486

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

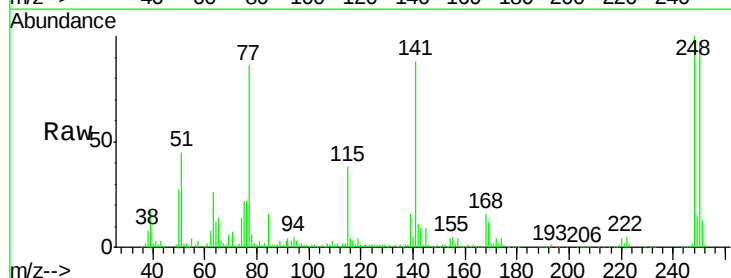
Tgt Ion:248 Resp: 199427

Ion Ratio Lower Upper

248 100

250 97.4 76.8 115.2

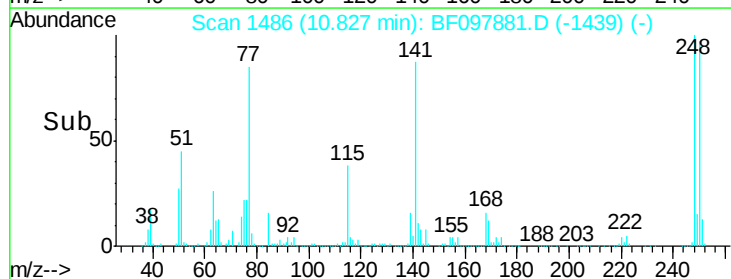
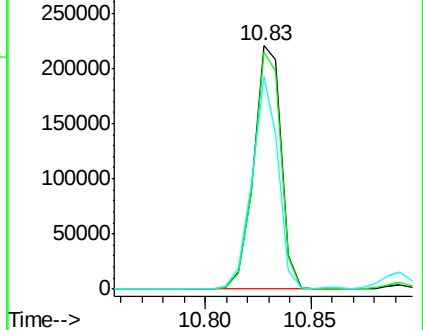
141 87.6 68.6 103.0

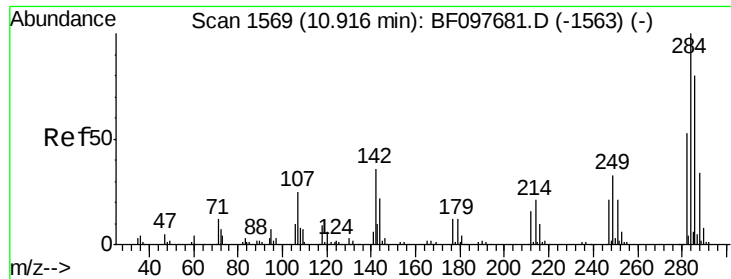


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

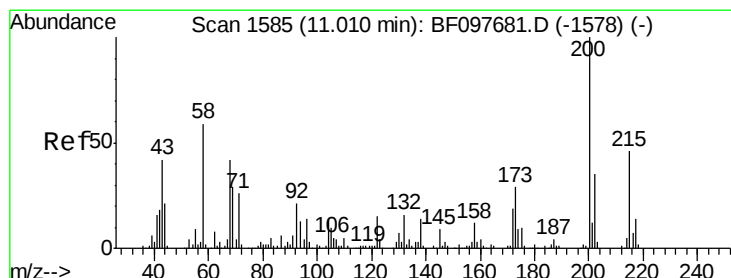
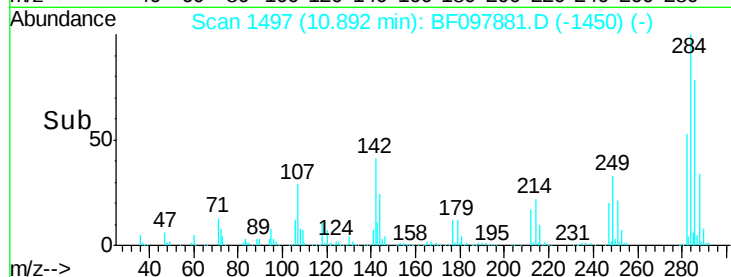
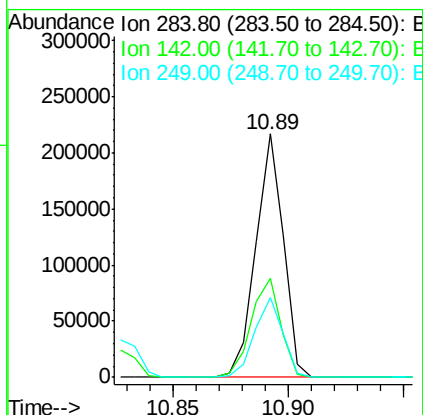
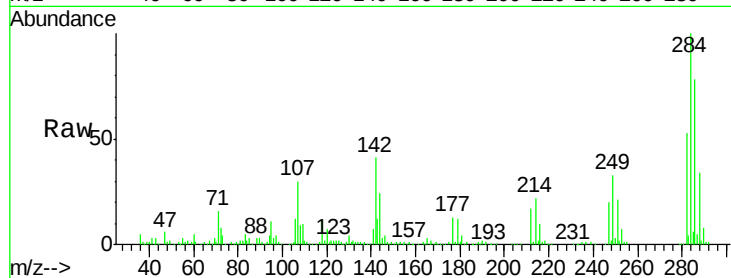




#67
Hexachlorobenzene
Concen: 33.22 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

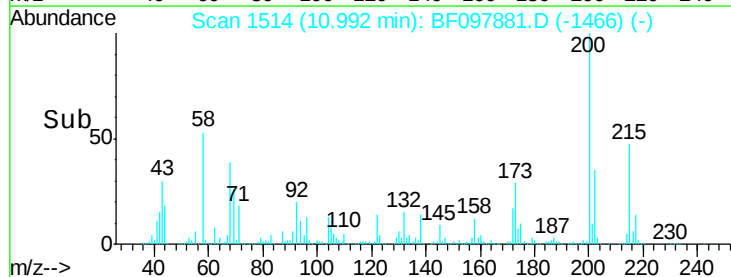
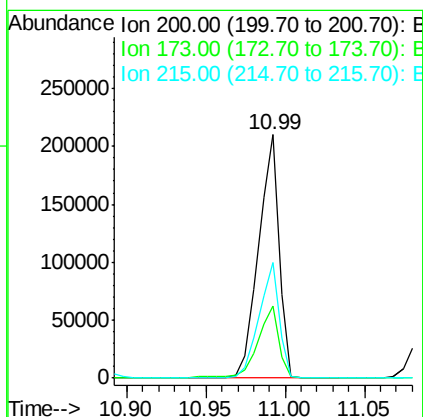
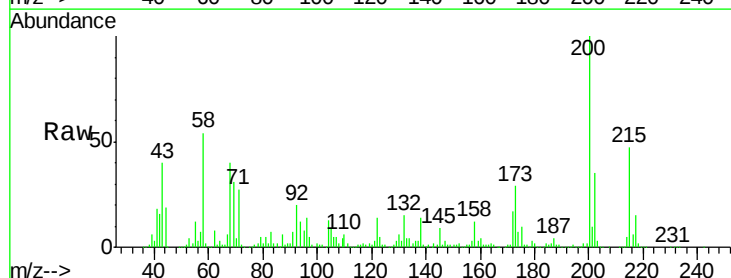
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

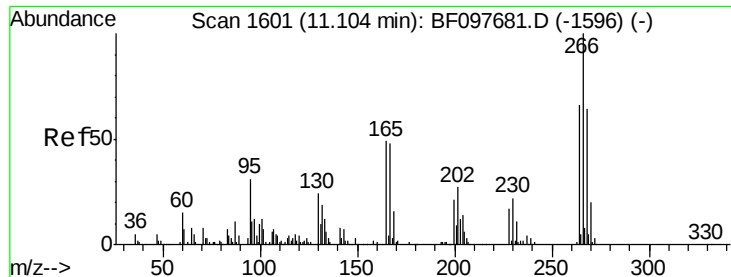
Tot Ion	Ratio	Lower	Upper
284	100		
142	40.8	22.8	34.2
249	33.0	24.0	36.0



#68
Atrazine
Concen: 41.18 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.5	6.3	46.3
215	47.4	27.2	67.2

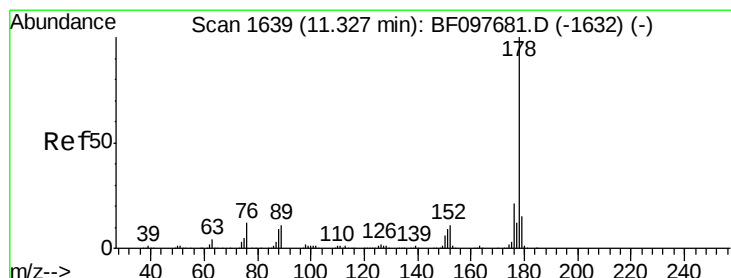
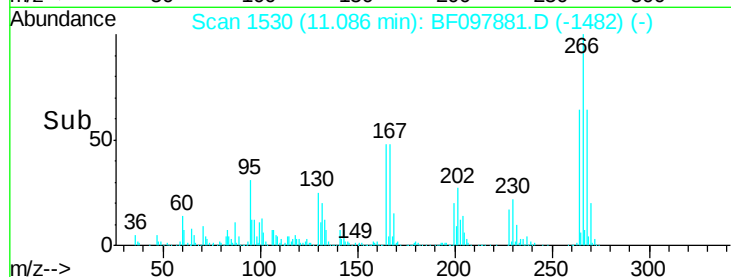
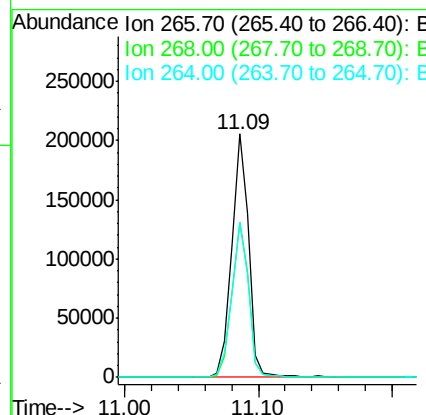
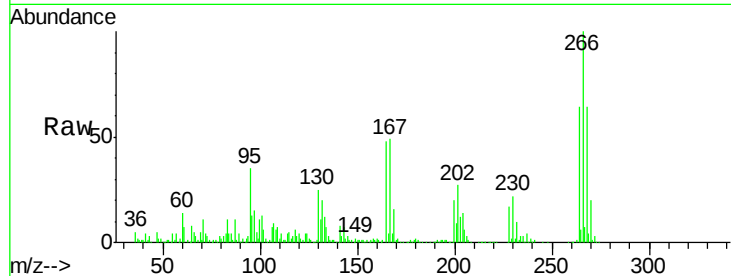




#69
 Pentachlorophenol
 Concen: 58.35 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

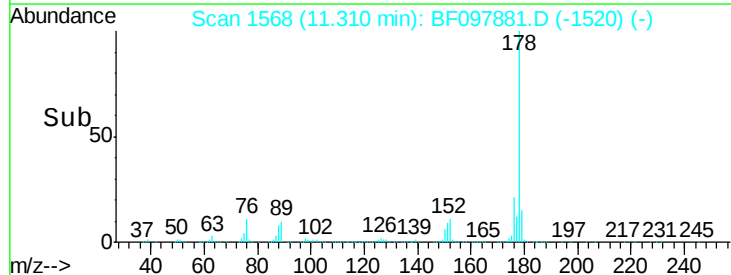
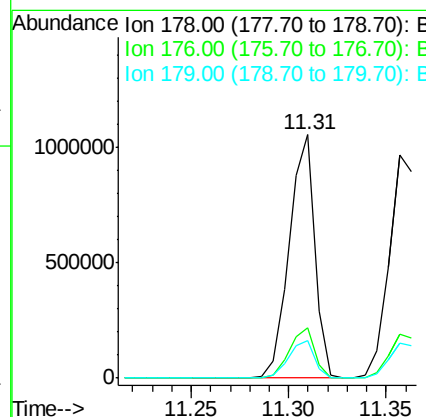
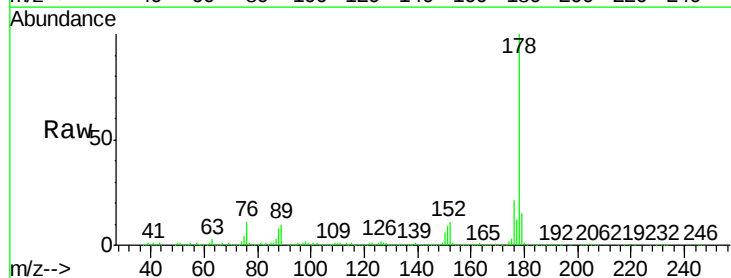
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MS

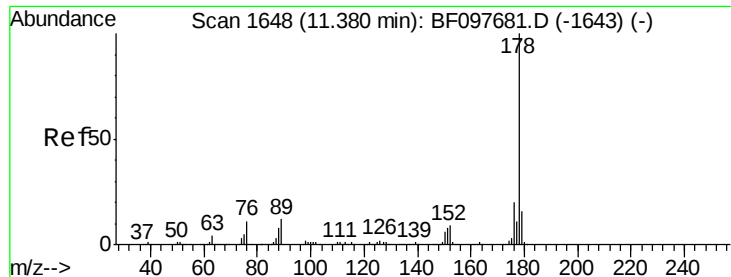
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.1	76.7
264	63.8	51.7	77.5



#70
 Phenanthrene
 Concen: 34.74 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.2	24.4
179	15.4	12.6	19.0

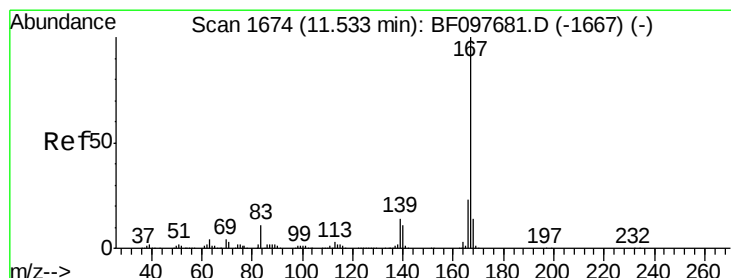
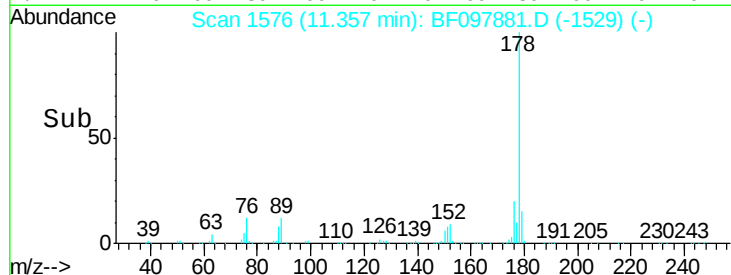
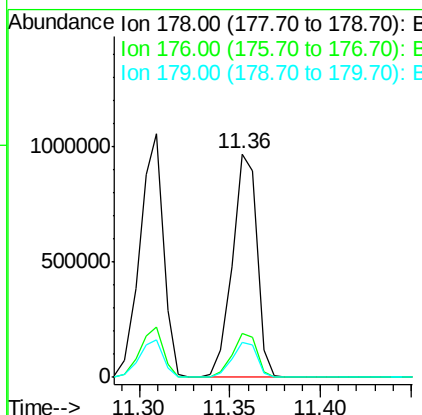
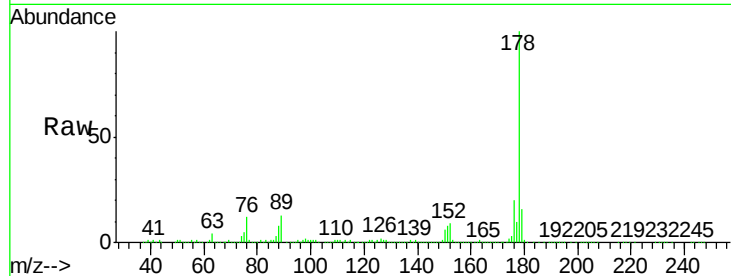




#71
 Anthracene
 Concen: 32.99 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

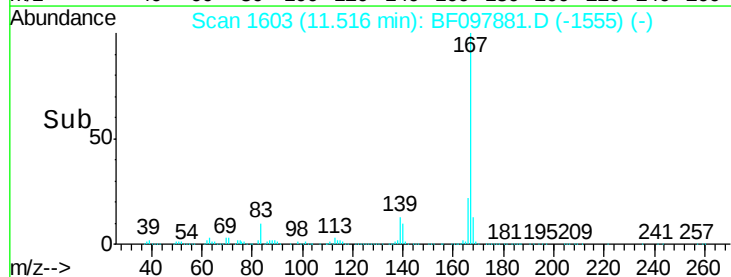
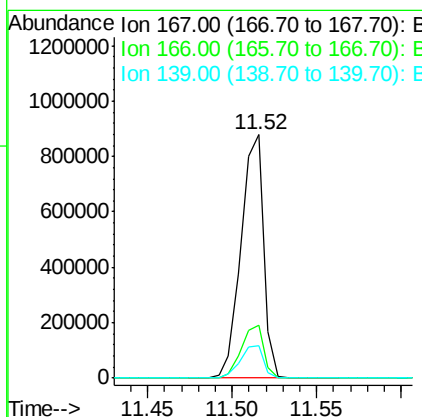
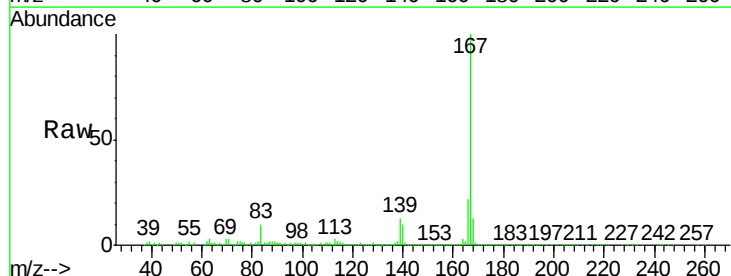
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MS

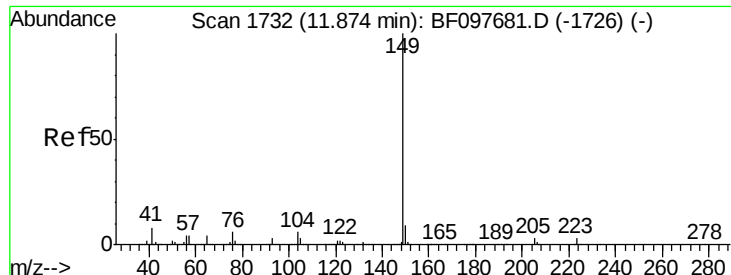
Tot Ion:178 Resp: 917826
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.6 12.7 19.1



#72
 Carbazole
 Concen: 31.13 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion:167 Resp: 822080
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.1 27.1
 139 13.1 11.7 17.5





#73

Di-n-butylphthalate

Concen: 39.81 ng

RT: 11.85 min Scan# 1660

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

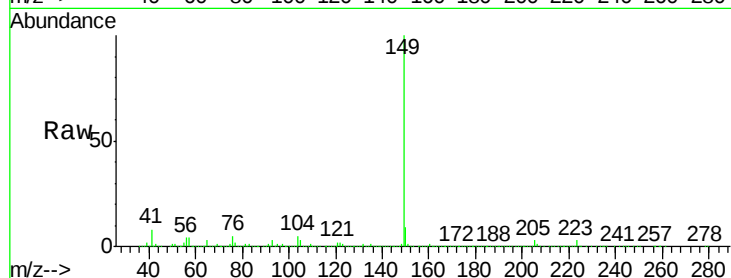
Tot Ion:149 Resp: 1210944

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

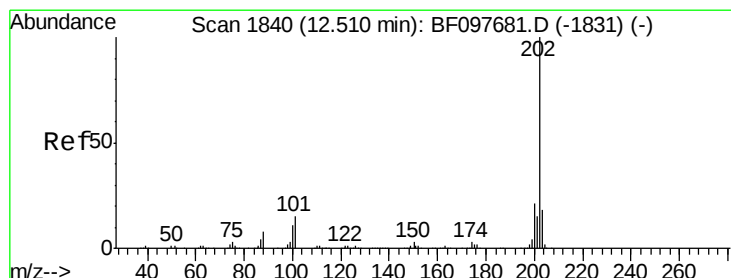
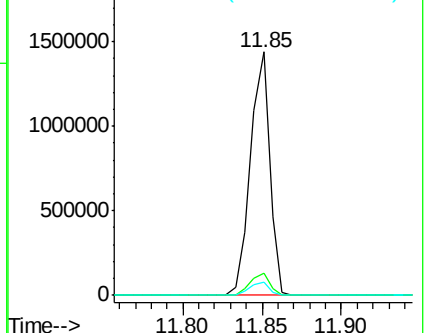
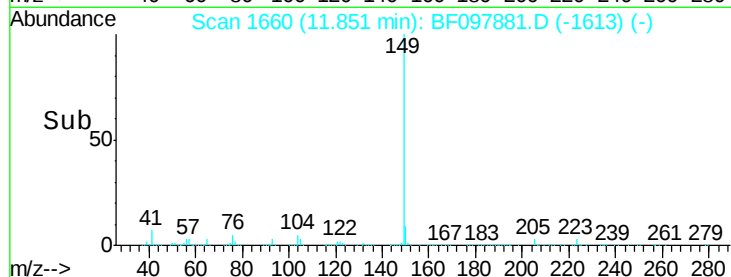
104 5.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 31.68 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

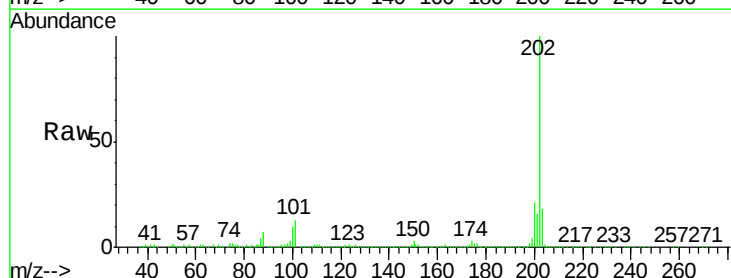
Tgt Ion:202 Resp: 906988

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

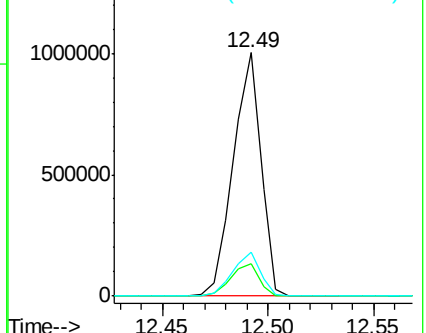
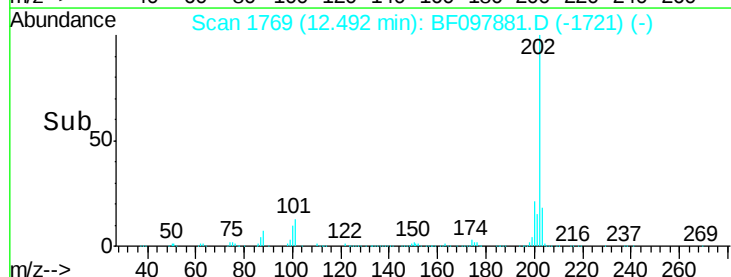
203 17.8 0.0 38.1

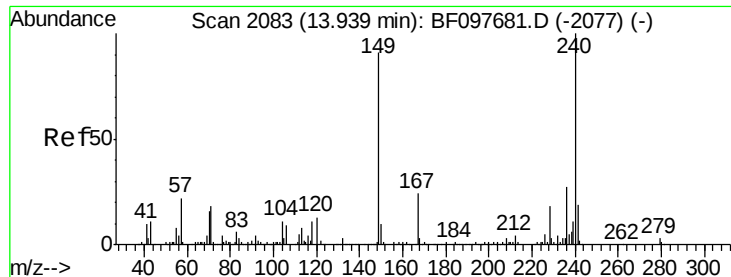


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

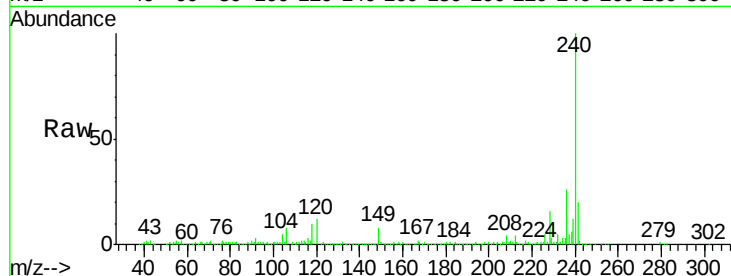
Tot Ion:240 Resp: 279517

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

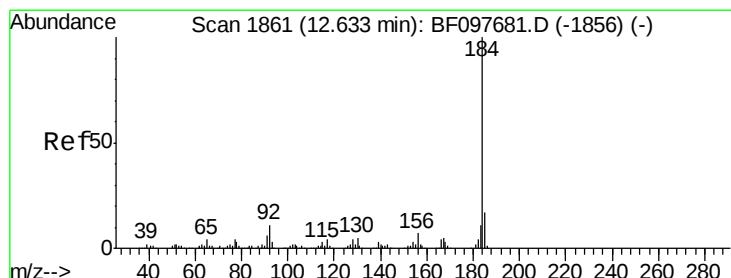
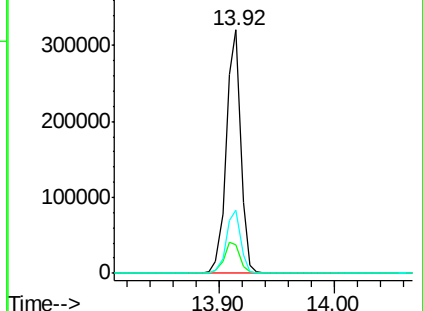
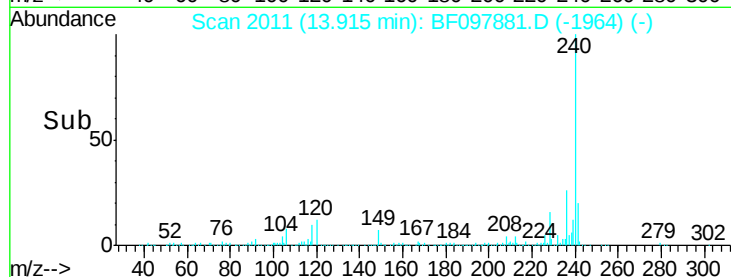
236 26.2 20.5 30.7



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: 22.76 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

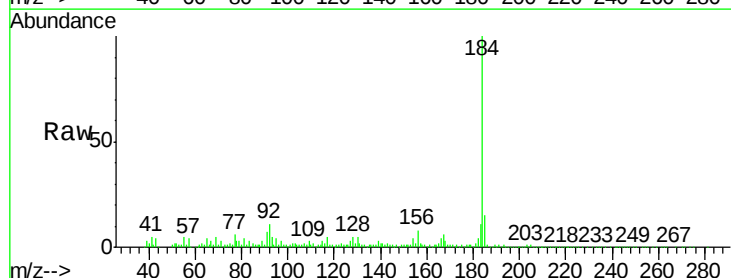
Tgt Ion:184 Resp: 208578

Ion Ratio Lower Upper

184 100

185 14.6 15.5 23.3#

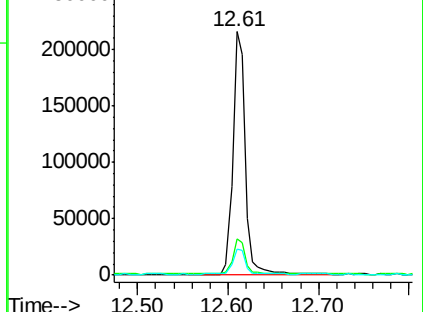
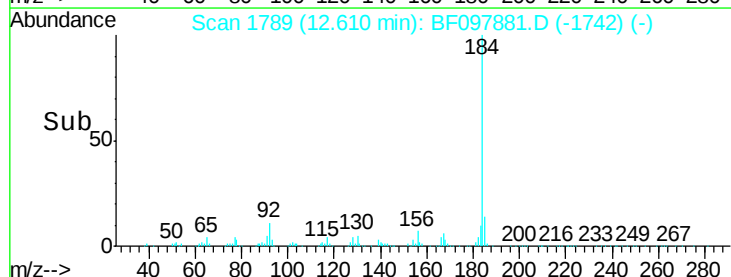
183 10.8 9.8 14.6

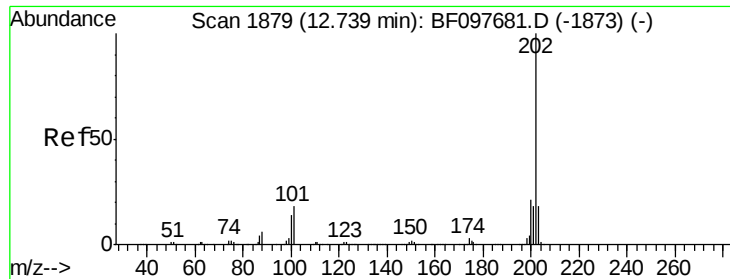


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

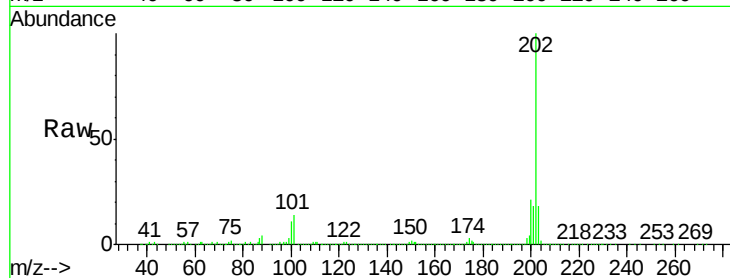




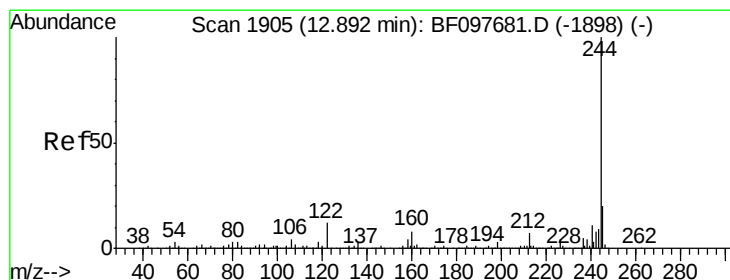
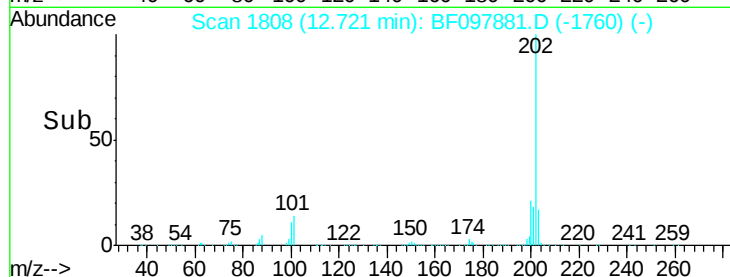
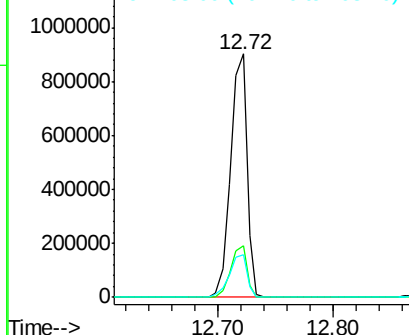
#77
Pvrene
Concen: 38.78 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

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

Tot Ion:202 Resp: 886655
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.6 14.4 21.6

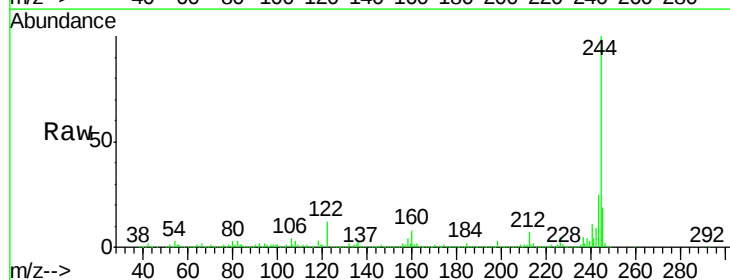


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

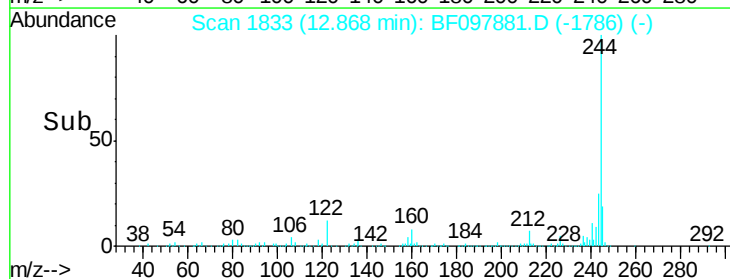
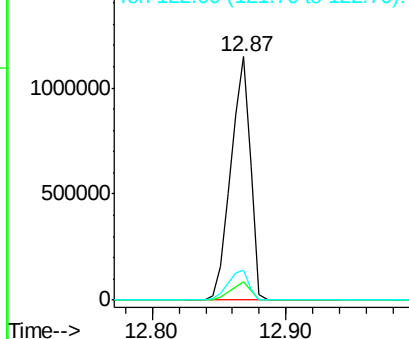


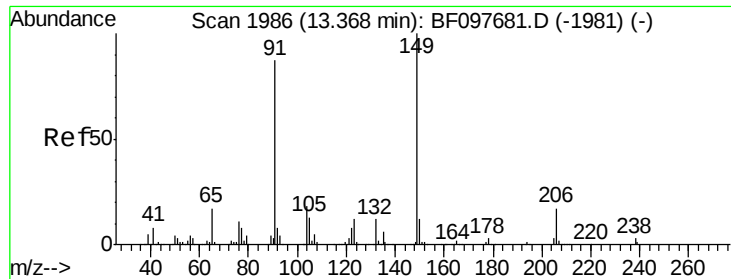
#78
Terphenyl-d14
Concen: 88.88 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:244 Resp: 1191280
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 12.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

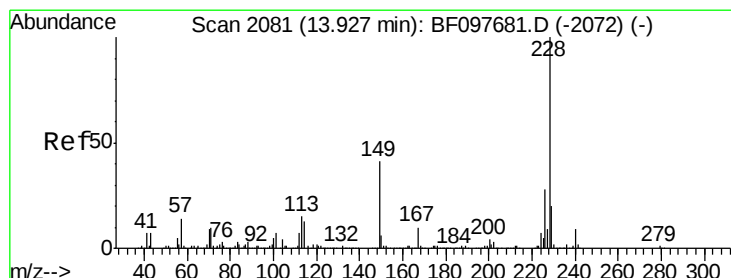
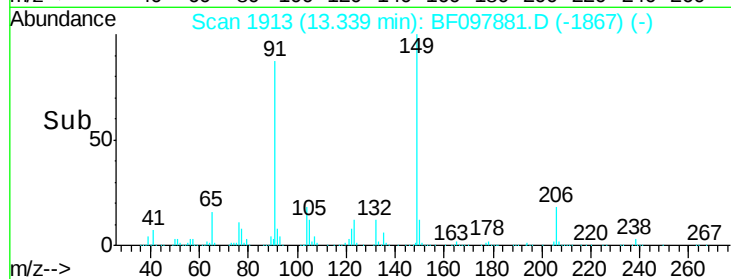
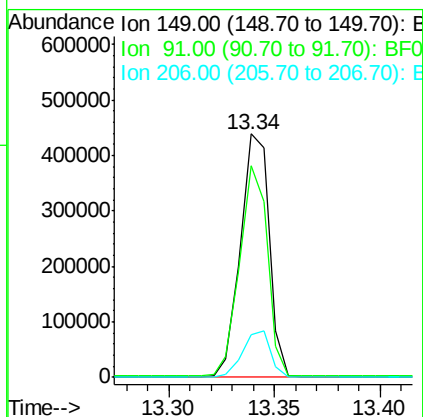
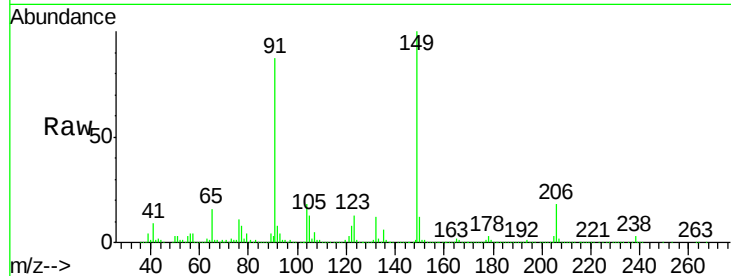




#79
Butylbenzylphthalate
Concen: 47.15 ng
RT: 13.34 min Scan# 1913
Delta R.T. -0.03 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

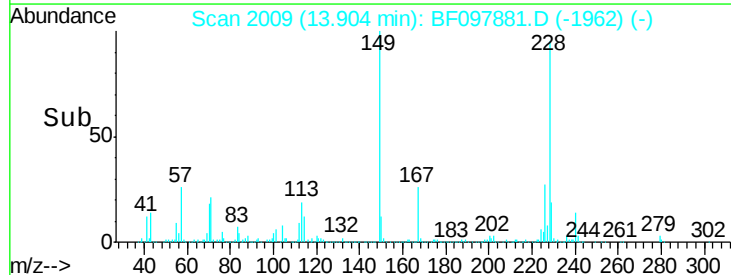
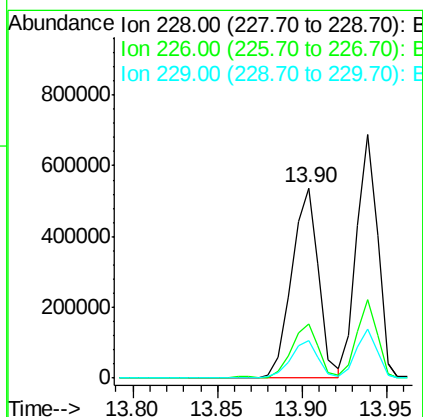
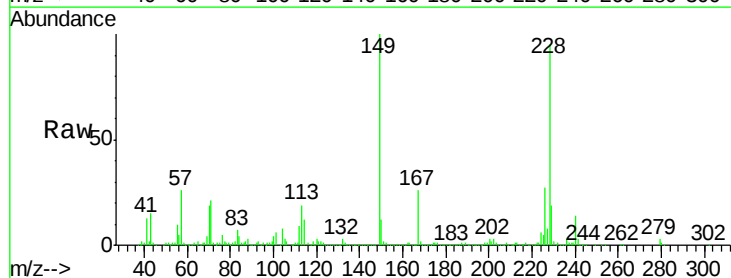
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

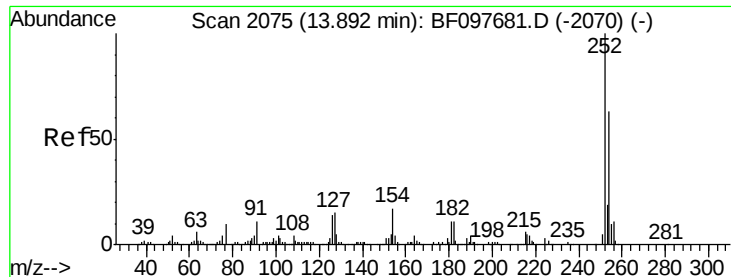
Tot Ion	Ratio	Lower	Upper
149	100		
91	87.0	45.0	67.4#
206	17.6	17.0	25.6



#80
Benzo(a)anthracene
Concen: 35.51 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.8	16.3	24.5

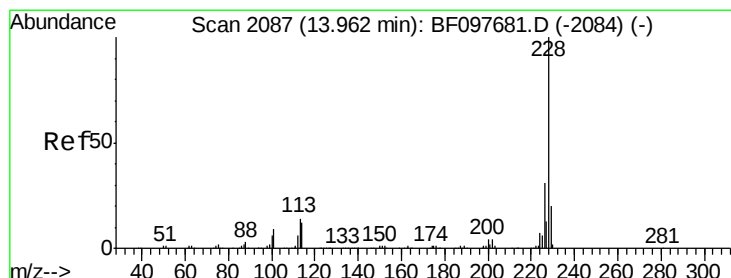
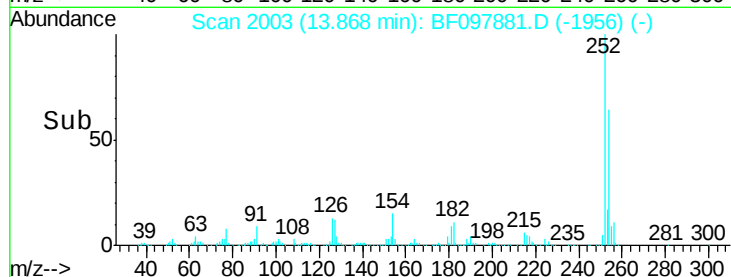
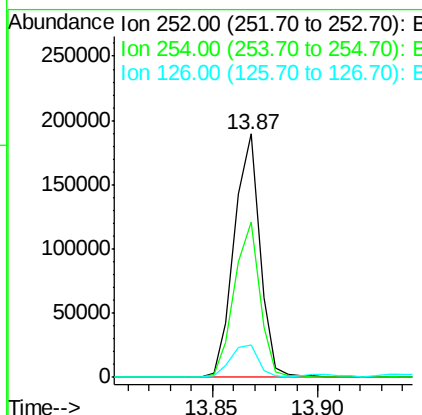
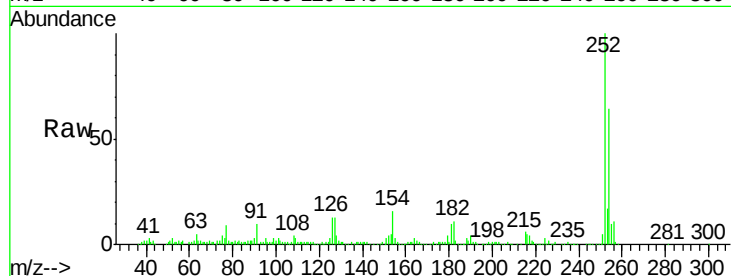




#81
 3,3'-Dichlorobenzidine
 Concen: 28.34 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

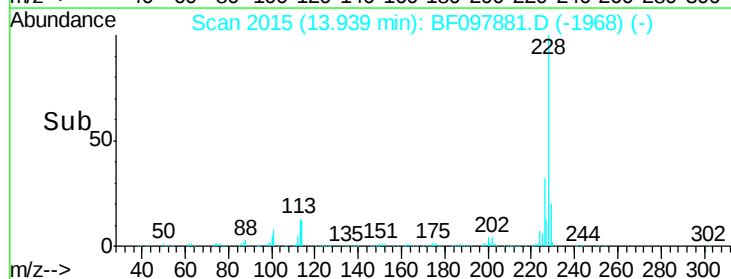
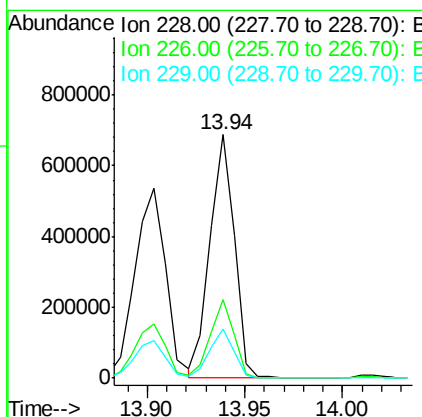
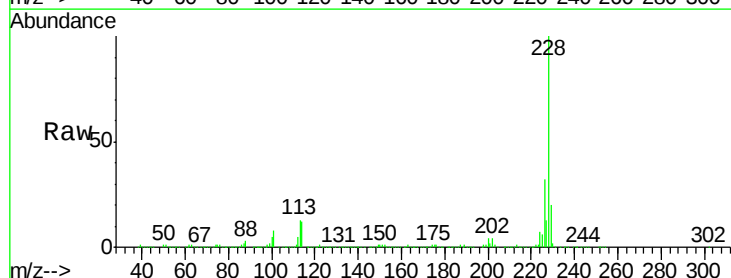
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)MS

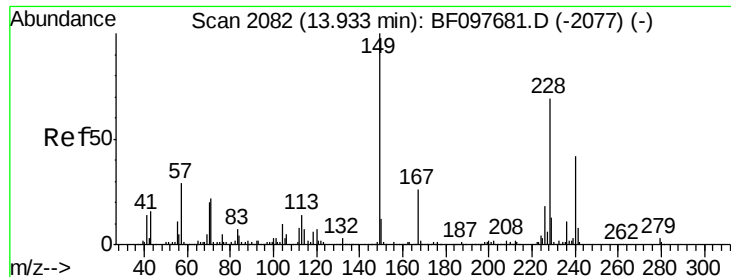
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.5	77.3
126	13.1	15.8	23.8#



#82
 Chrysene
 Concen: 35.90 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	20.2	15.8	23.6

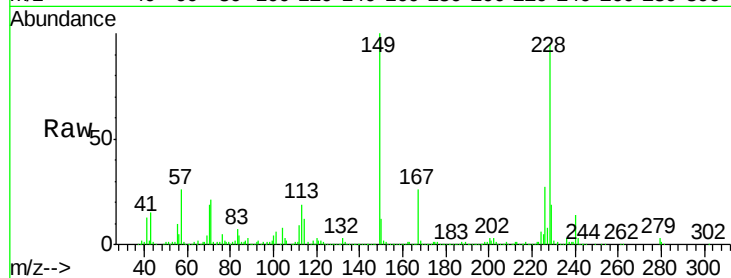




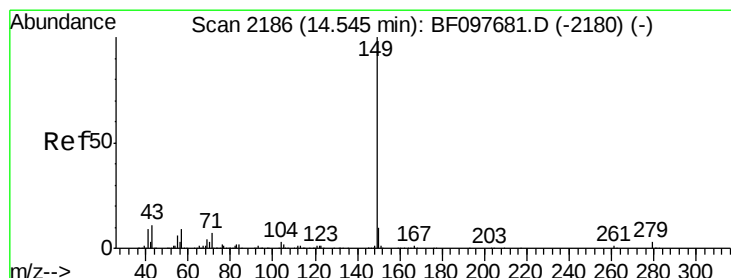
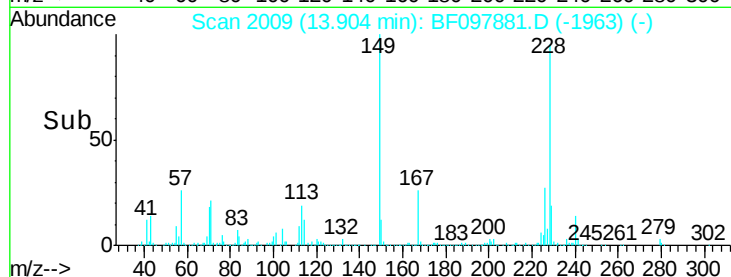
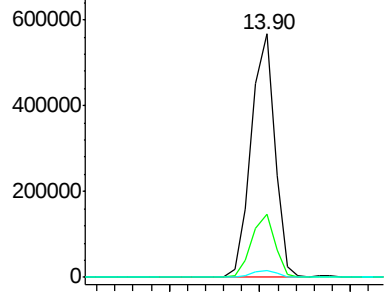
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.99 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.03 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion:149 Resp: 514722
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.4
 279 3.1 1.9 2.9#

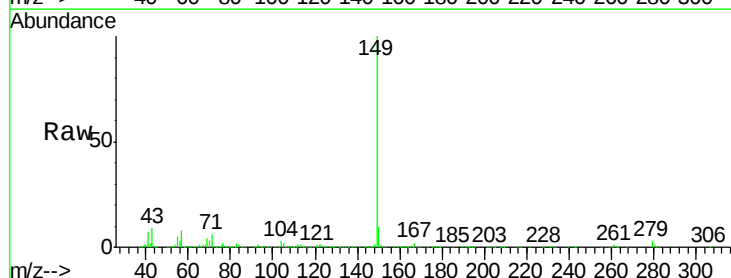


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

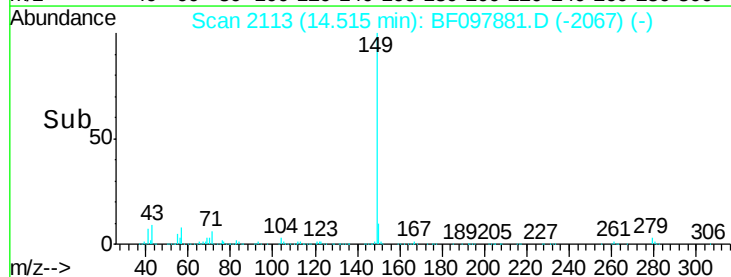
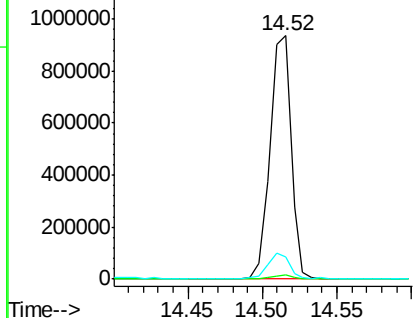


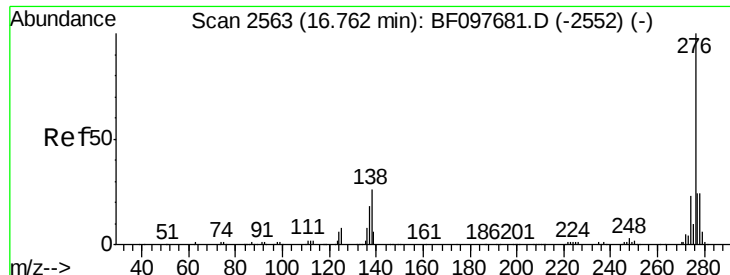
#84
 Di-n-octyl phthalate
 Concen: 53.97 ng
 RT: 14.52 min Scan# 2113
 Delta R.T. -0.03 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

Tgt Ion:149 Resp: 912038
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 10.3 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

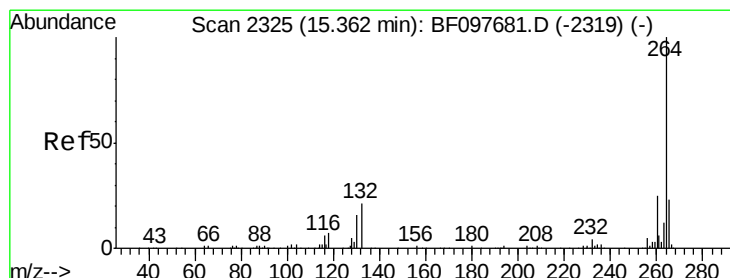
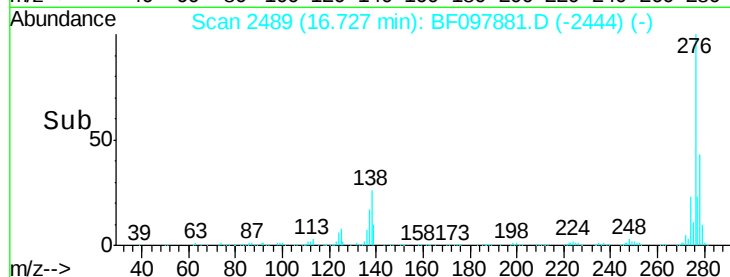
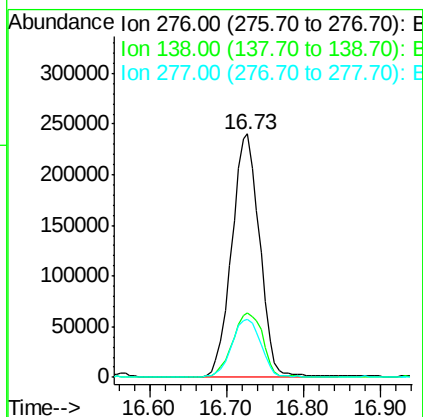
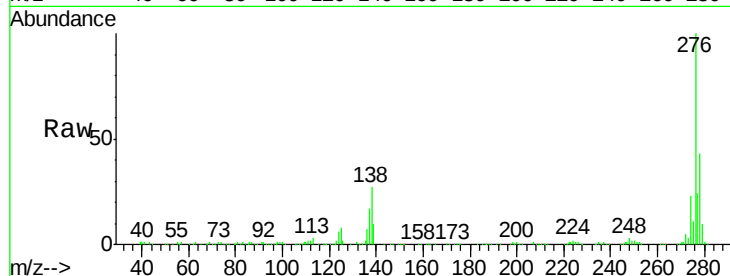




#85
Indeno(1,2,3-cd)pyrene
Concen: 49.53 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.04 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

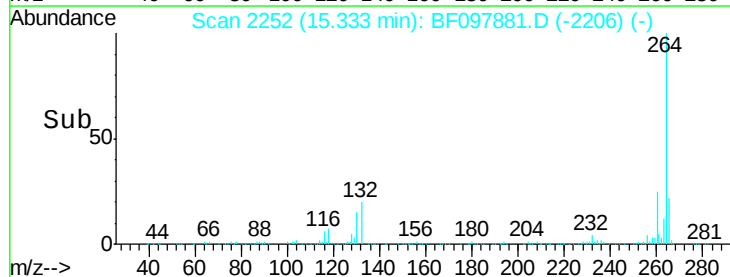
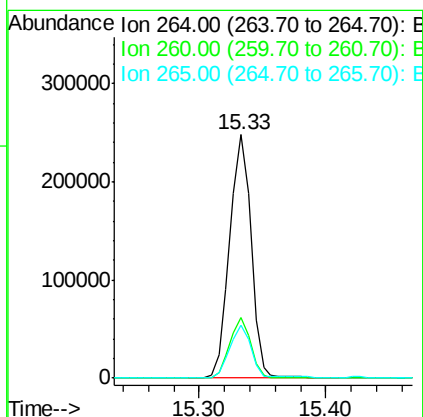
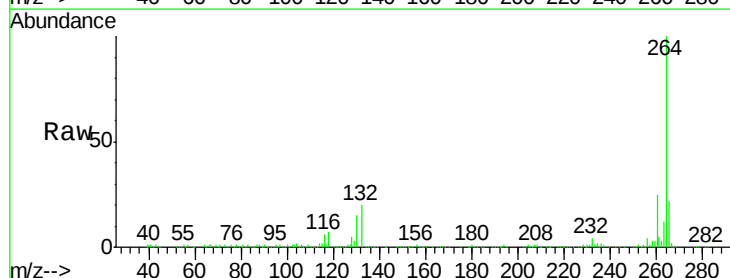
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

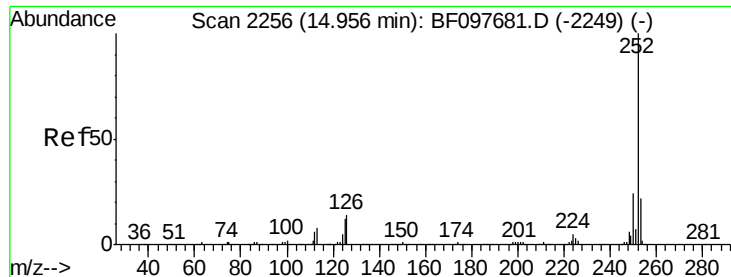
Tot Ion:276 Resp: 607199
Ion Ratio Lower Upper
276 100
138 29.4 27.8 41.6
277 25.6 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:264 Resp: 291508
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 34.20 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.03 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

Instrument :

BNA_F

ClientSampleId :

PI-1(3)MS

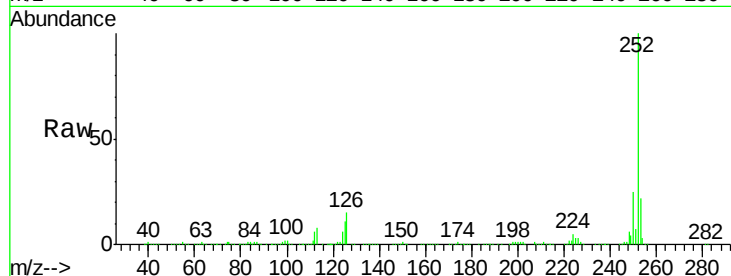
Tot Ion:252 Resp: 628479

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

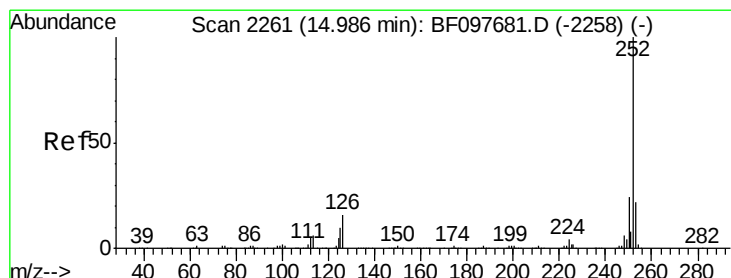
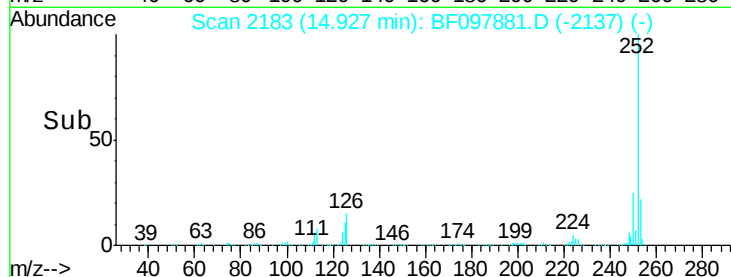
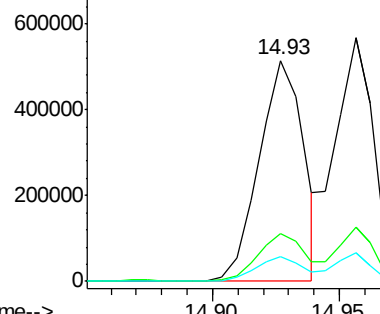
125 11.1 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.86 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.22 min

Lab File: BF097881.D

Acq: 19 Aug 2017 16:20

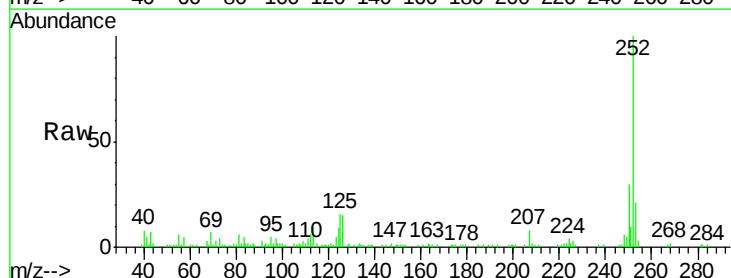
Tgt Ion:252 Resp: 49441

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

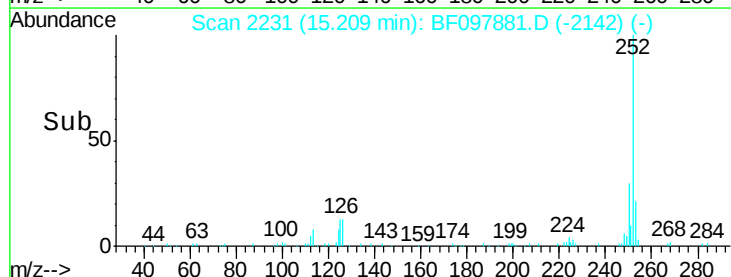
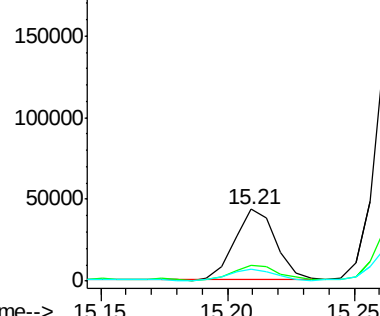
125 15.8 13.1 19.7

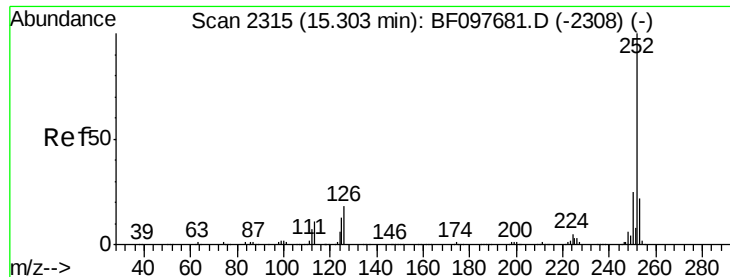


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

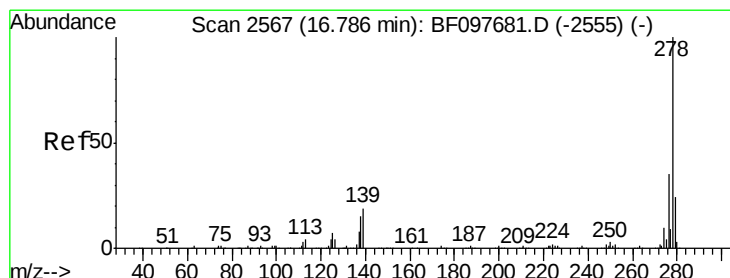
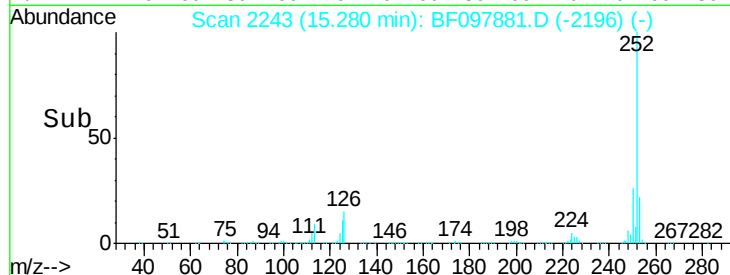
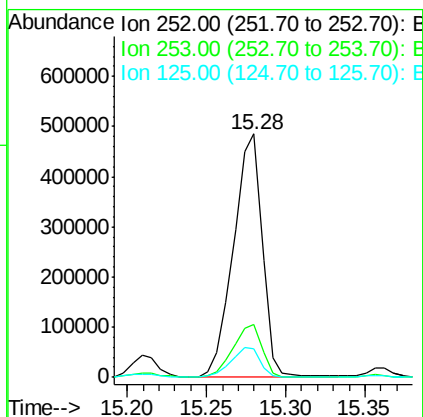
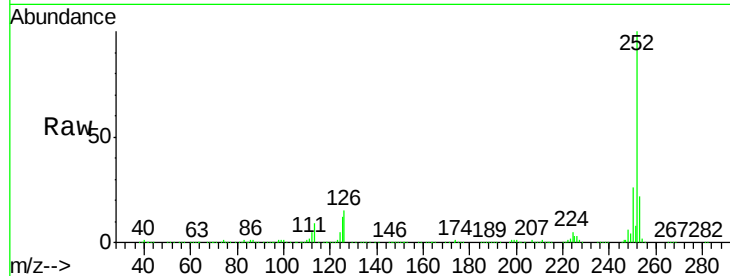




#89
Benzo(a)pyrene
Concen: 37.57 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.02 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

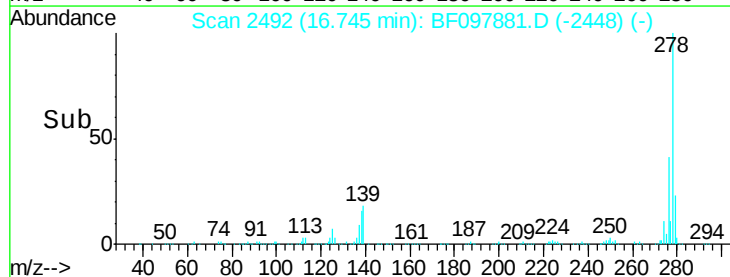
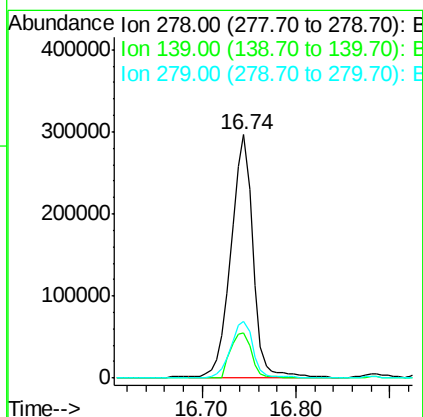
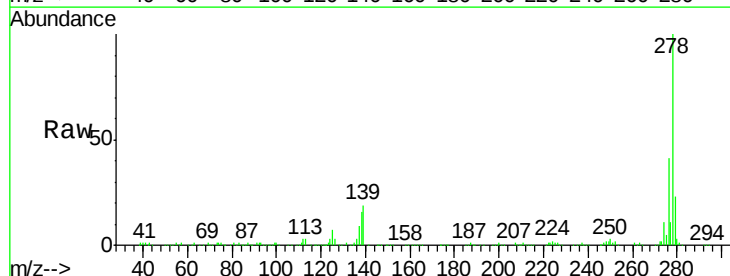
Instrument :
BNA_F
ClientSampleId :
PI-1(3)MS

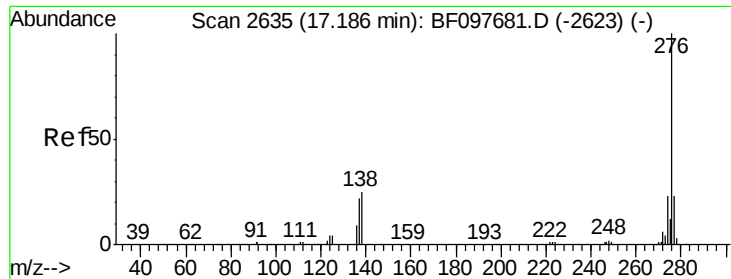
Tot Ion:252 Resp: 611061
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.6 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 35.97 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.04 min
Lab File: BF097881.D
Acq: 19 Aug 2017 16:20

Tgt Ion:278 Resp: 476286
Ion Ratio Lower Upper
278 100
139 18.6 16.6 24.8
279 23.5 19.3 28.9

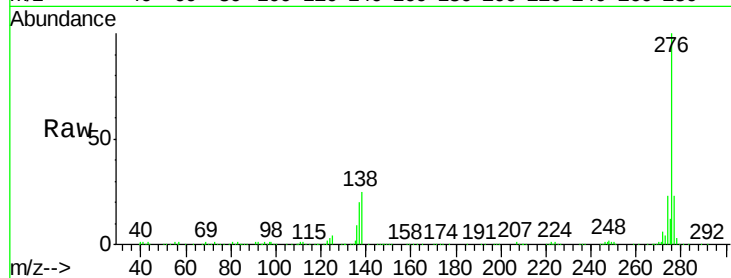




#91
 Benzo(a,h,i)perylene
 Concen: 35.70 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.04 min
 Lab File: BF097881.D
 Acq: 19 Aug 2017 16:20

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	24.6	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

