

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097879.D
 Acq On : 19 Aug 2017 15:25
 Operator : SJ/JU
 Sample : I4846-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Quant Time: Aug 21 02:38:29 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	149472	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	624713	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	291235	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	518919	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	285159	20.00	ng	-0.03
86) Perylene-d12	15.33	264	270085	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1168972	118.96	ng	0.00
7) Phenol-d6	6.40	99	1647062	123.36	ng	0.00
23) Nitrobenzene-d5	7.33	82	1065733	92.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	323807	128.14	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1567016	79.05	ng	-0.02
78) Terphenyl-d14	12.87	244	1158885	84.75	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.52	88	129900	23.70	ng	90
3) Pyridine	3.23	79	315081	20.80	ng	87
4) n-Nitrosodimethylamine	3.18	42	157423	27.00	ng	81
6) Aniline	6.43	93	344148	18.35	ng	98
8) 2-Chlorophenol	6.55	128	312361	30.14	ng	96
9) Benzaldehyde	6.31	77	122765	14.52	ng	90
10) Phenol	6.42	94	455803	29.19	ng	98
11) bis(2-Chloroethyl)ether	6.50	93	356874	30.28	ng	95
12) 1,3-Dichlorobenzene	6.70	146	309656	27.78	ng	# 94
13) 1,4-Dichlorobenzene	6.78	146	315746	27.85	ng	94
14) 1,2-Dichlorobenzene	6.93	146	291816	27.91	ng	99
15) Benzyl Alcohol	6.90	79	326996	32.71	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.05	45	487391	30.74	ng	90
17) 2-Methylphenol	7.02	107	295480	32.35	ng	96
18) Hexachloroethane	7.27	117	130365	29.33	ng	# 81
19) n-Nitroso-di-n-propylamine	7.18	70	274743	30.06	ng	92
20) 3+4-Methylphenols	7.17	107	352596	31.61	ng	95
22) Acetophenone	7.17	105	479095	29.03	ng	# 92
24) Nitrobenzene	7.35	77	414425	32.37	ng	91
25) Isophorone	7.59	82	783223	32.75	ng	96
26) 2-Nitrophenol	7.66	139	165274	36.98	ng	# 78
27) 2,4-Dimethylphenol	7.70	122	297393	29.82	ng	92
28) bis(2-Chloroethoxy)methane	7.80	93	482727	30.71	ng	99
29) 2,4-Dichlorophenol	7.90	162	265328	32.05	ng	93
30) 1,2,4-Trichlorobenzene	7.99	180	267380	29.14	ng	99
31) Naphthalene	8.07	128	932647	28.76	ng	99
32) Benzoic acid	7.81	122	121151	20.85	ng	89
33) 4-Chloroaniline	8.12	127	192173	14.05	ng	99
34) Hexachlorobutadiene	8.19	225	155173	28.96	ng	97
35) Caprolactam	8.49	113	54602	19.40	ng	96
36) 4-Chloro-3-methylphenol	8.60	107	330579	31.08	ng	# 78
37) 2-Methylnaphthalene	8.76	142	632937	31.83	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	255849	28.63	ng	# 97
40) Hexachlorocyclopentadiene	8.91	237	224051	52.18	ng	98

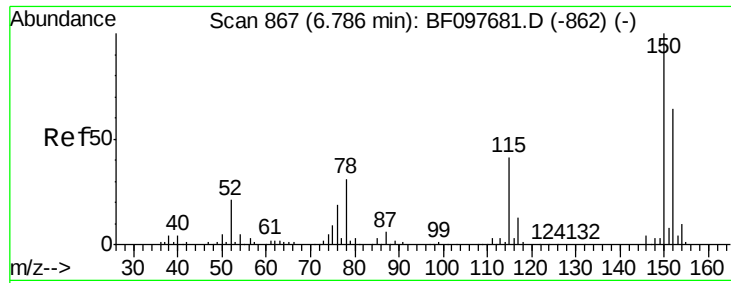
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	184193	30.70	nq	95
43) 2,4,5-Trichlorophenol	9.07	196	193116	32.44	nq	95
45) 1,1'-Biphenyl	9.22	154	759104	28.58	nq	95
46) 2-Chloronaphthalene	9.25	162	550888	28.07	nq	# 90
47) 2-Nitroaniline	9.34	65	221070	33.61	nq	92
48) Acenaphthylene	9.66	152	896999	29.11	nq	99
49) Dimethylphthalate	9.53	163	848811	39.87	nq	100
50) 2,6-Dinitrotoluene	9.59	165	145836	34.32	nq	# 54
51) Acenaphthene	9.83	154	545095	28.05	nq	99
52) 3-Nitroaniline	9.75	138	115849	21.13	nq	87
53) 2,4-Dinitrophenol	9.86	184	81257	45.24	nq	# 78
54) Dibenzofuran	10.00	168	805412	30.92	nq	99
55) 4-Nitrophenol	9.92	139	238167	54.46	nq	# 32
56) 2,4-Dinitrotoluene	9.99	165	189794	35.59	nq	# 49
57) Fluorene	10.34	166	571948	28.40	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.12	232	155247	33.68	nq	94
59) Diethylphthalate	10.23	149	725229	32.58	nq	99
60) 4-Chlorophenyl-phenylether	10.34	204	278783	29.80	nq	90
61) 4-Nitroaniline	10.36	138	146058	28.03	nq	# 64
62) Azobenzene	10.50	77	839547	31.75	nq	93
64) 4,6-Dinitro-2-methylphenol	10.39	198	67420	31.11	nq	92
65) n-Nitrosodiphenylamine	10.46	169	551505	31.21	nq	99
66) 4-Bromophenyl-phenylether	10.83	248	174346	32.35	nq	97
67) Hexachlorobenzene	10.89	284	161172	29.34	nq	# 87
68) Atrazine	10.99	200	175317	37.41	nq	98
69) Pentachlorophenol	11.09	266	163443	51.04	nq	99
70) Phenanthrene	11.30	178	820009	29.65	nq	99
71) Anthracene	11.36	178	840653	29.97	nq	100
72) Carbazole	11.51	167	762785	28.65	nq	99
73) Di-n-butylphthalate	11.84	149	1125780	36.71	nq	99
74) Fluoranthene	12.49	202	777915	26.95	nq	99
76) Benzidine	12.61	184	218022	23.32	nq	# 91
77) Pyrene	12.72	202	758243	32.51	nq	99
79) Butylbenzylphthalate	13.34	149	388216	43.42	nq	# 68
80) Benzo(a)anthracene	13.90	228	488014	28.55	nq	99
81) 3,3'-Dichlorobenzidine	13.86	252	149795	25.97	nq	# 96
82) Chrysene	13.94	228	500847	29.46	nq	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	480649	48.51	nq	# 100
84) Di-n-octyl phthalate	14.51	149	812806	47.14	nq	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	499171	39.91	nq	94
87) Benzo(b)fluoranthene	14.93	252	495945	29.13	nq	97
88) Benzo(k)fluoranthene	14.95	252	449138	28.08	nq	# 93
89) Benzo(a)pyrene	15.27	252	471699	31.30	nq	98
90) Dibenzo(a,h)anthracene	16.74	278	417782	34.05	nq	96
91) Benzo(g,h,i)perylene	17.14	276	411546	32.15	nq	# 92

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

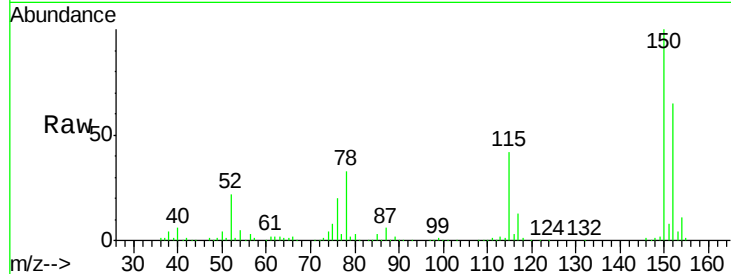


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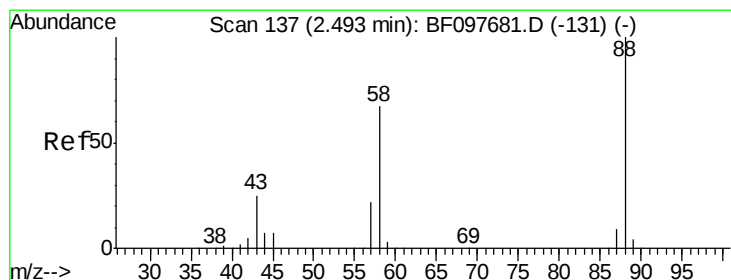
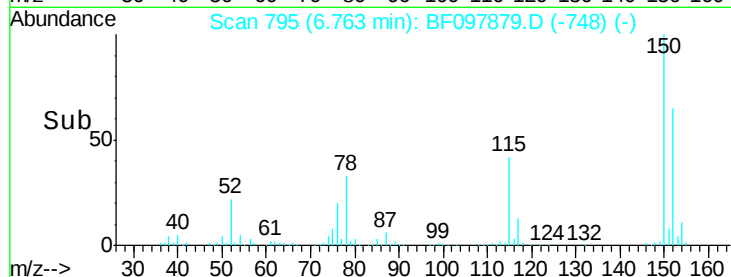
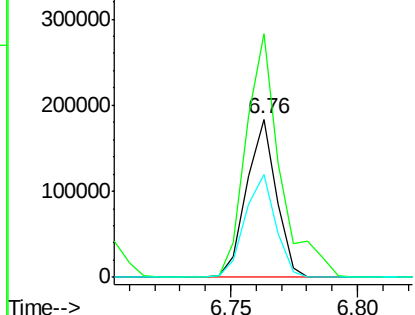
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Tot Ion:152 Resp: 149472
 Ion Ratio Lower Upper
 152 100
 150 154.1 126.2 189.2
 115 65.2 52.2 78.2



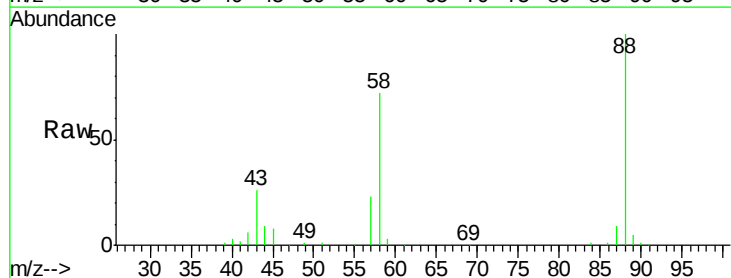
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



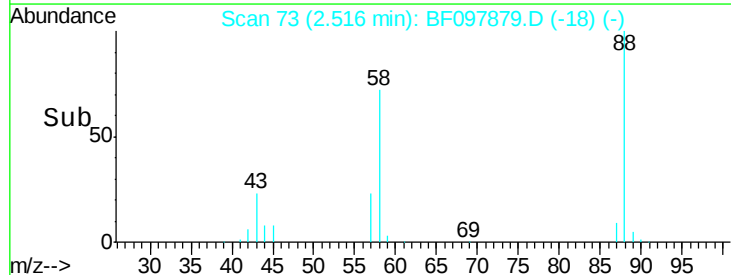
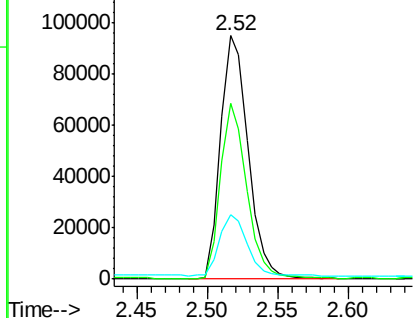
#2

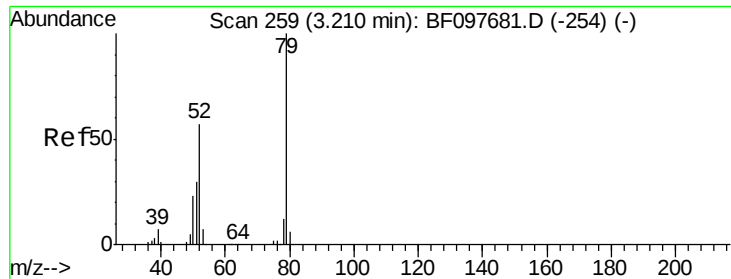
1,4-Dioxane
 Concen: 23.70 ng
 RT: 2.52 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion: 88 Resp: 129900
 Ion Ratio Lower Upper
 88 100
 58 67.9 61.4 92.0
 43 24.5 23.4 35.0



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





#3

Pvridine

Concen: 20.80 ng

RT: 3.23 min Scan# 195

Delta R.T. 0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

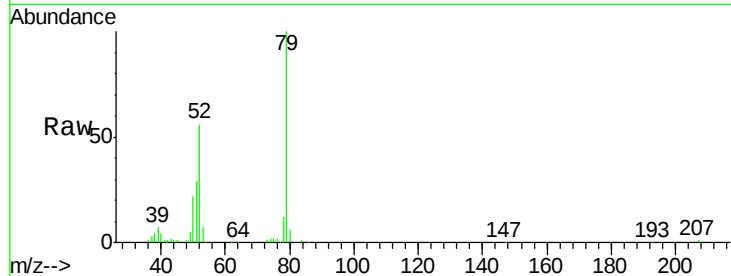
Tot Ion: 79 Resp: 315081

Ion Ratio Lower Upper

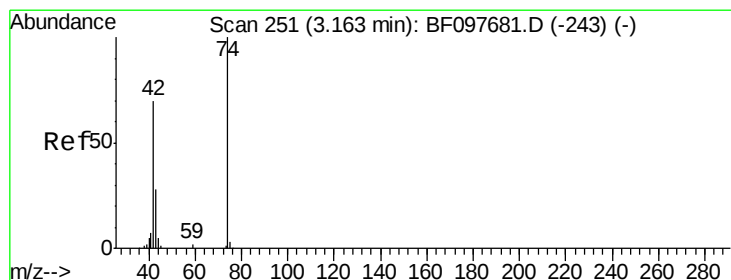
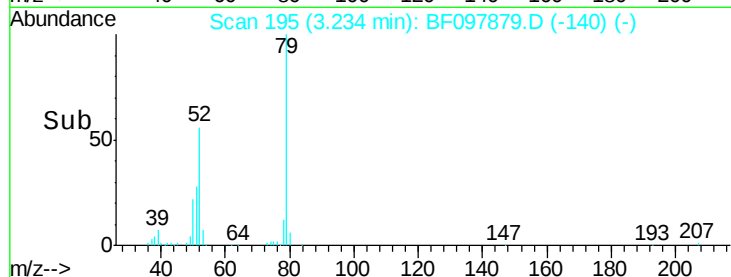
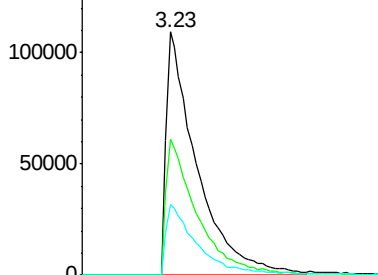
79 100

52 55.7 54.8 82.2

51 28.8 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 27.00 ng

RT: 3.18 min Scan# 186

Delta R.T. 0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

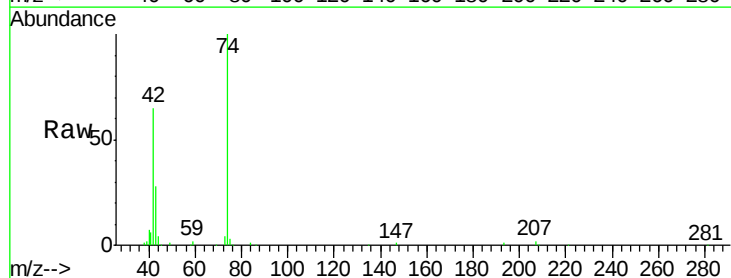
Tgt Ion: 42 Resp: 157423

Ion Ratio Lower Upper

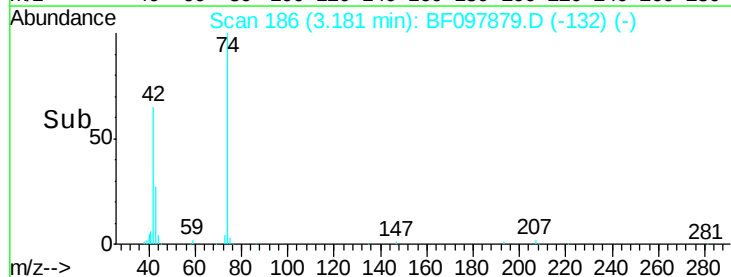
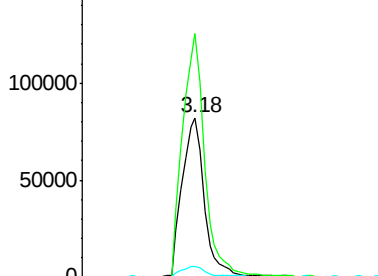
42 100

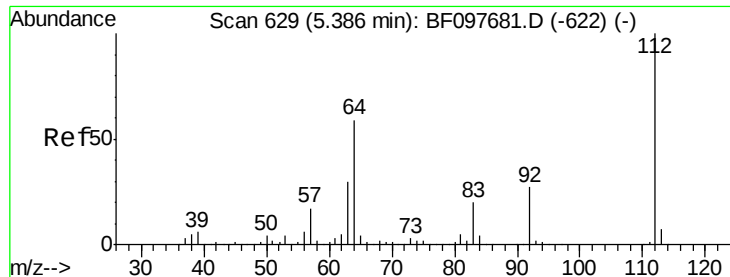
74 152.8 103.9 155.9

44 6.5 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 118.96 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

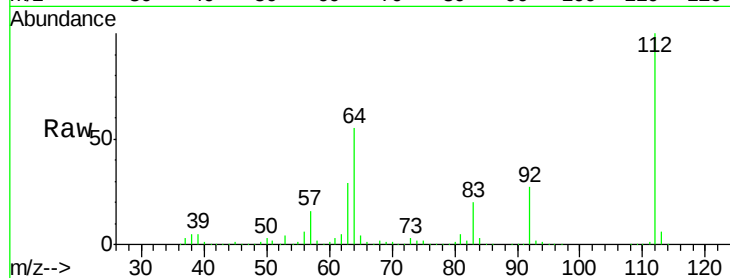
Tot Ion:112 Resp: 1168972

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

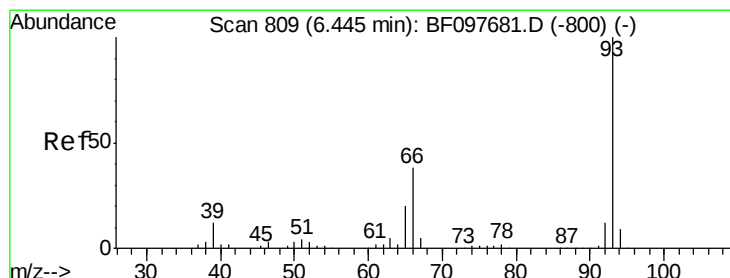
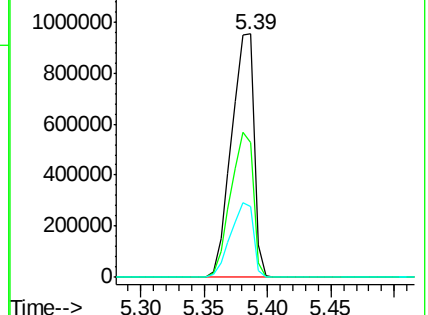
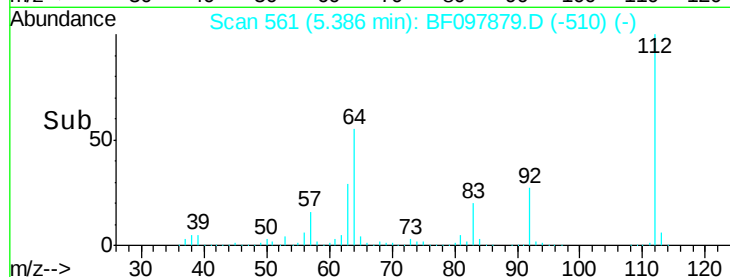
63 29.1 23.4 35.0



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: 18.35 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

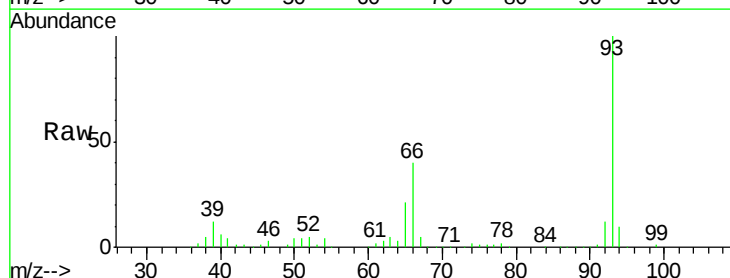
Tgt Ion: 93 Resp: 344148

Ion Ratio Lower Upper

93 100

66 39.6 32.9 49.3

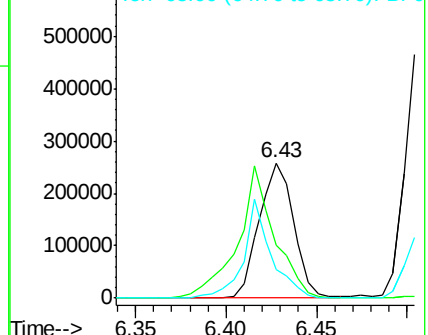
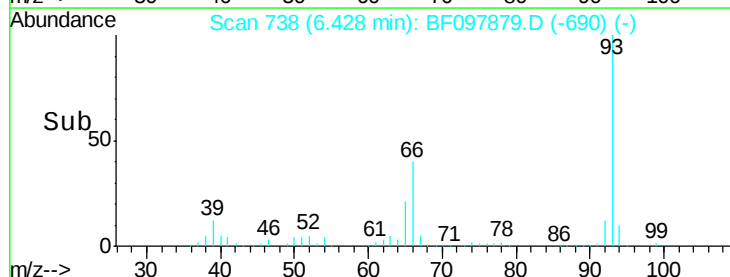
65 21.2 16.0 24.0

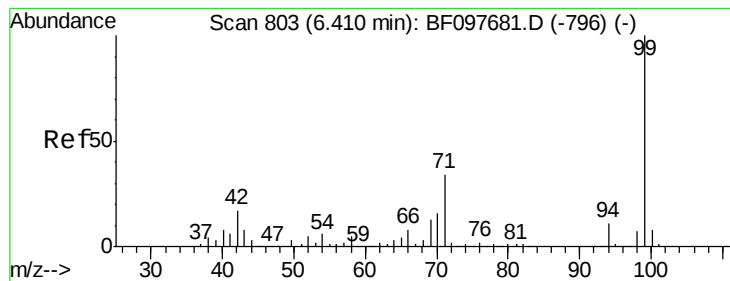


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.36 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

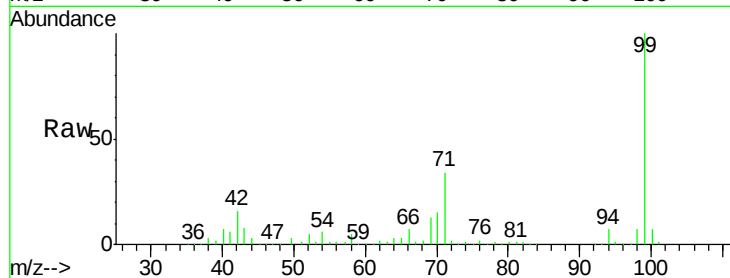
BNA_F

ClientSampleId :

PI-2(3)MSD

Tot Ion: 99 Resp: 1647062

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	33.5	24.5	36.7

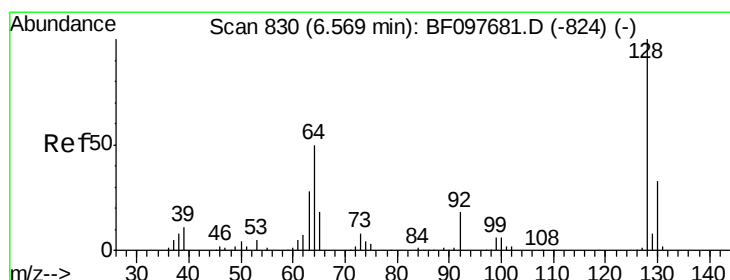
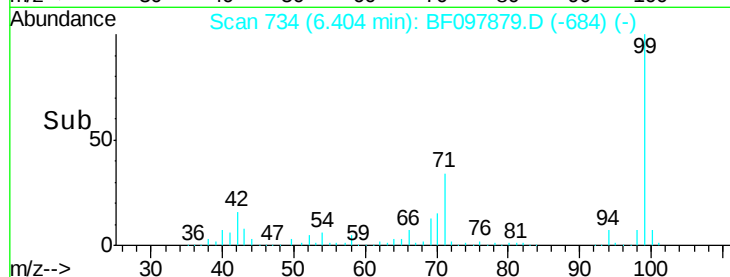
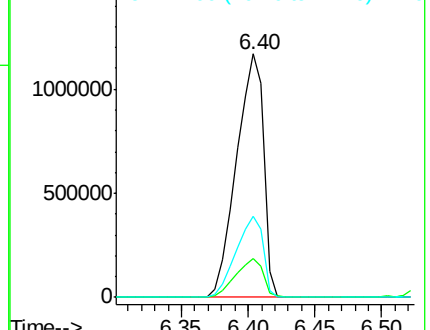


Abundance

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: 30.14 ng

RT: 6.55 min Scan# 759

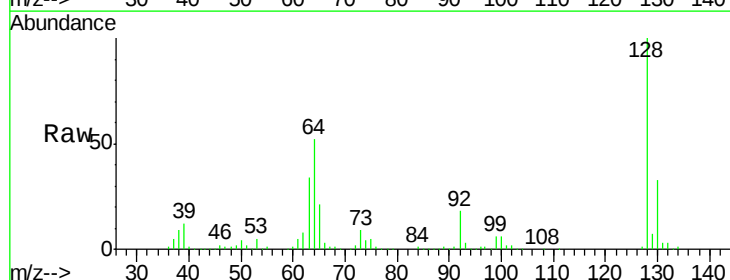
Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Tgt Ion:128 Resp: 312361

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	52.3	28.4	68.4

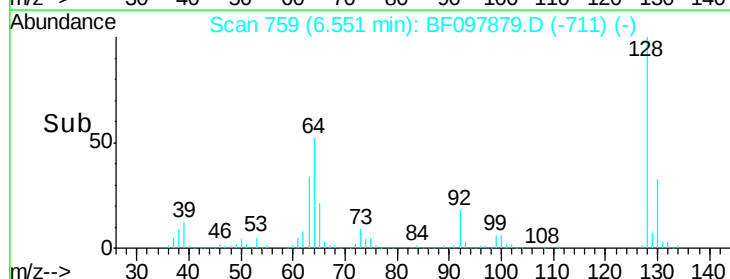
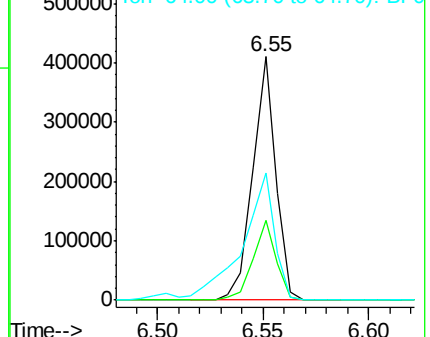


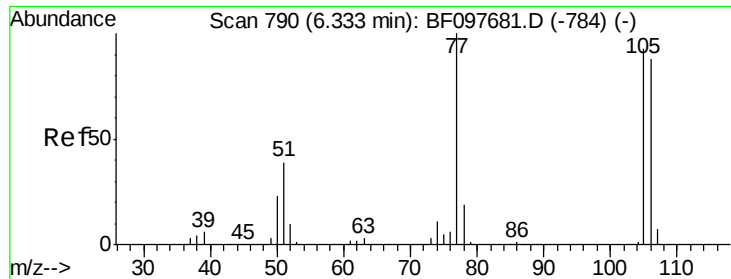
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.52 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

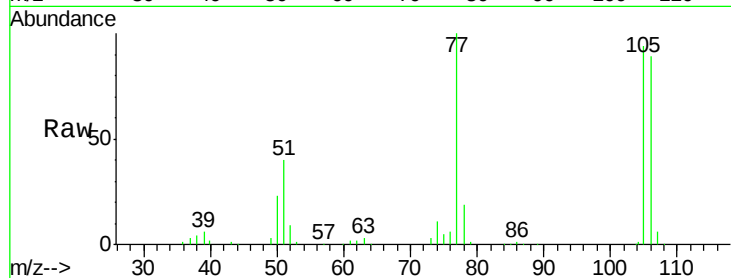
Tot Ion: 77 Resp: 122765

Ion Ratio Lower Upper

77 100

105 93.7 83.8 123.8

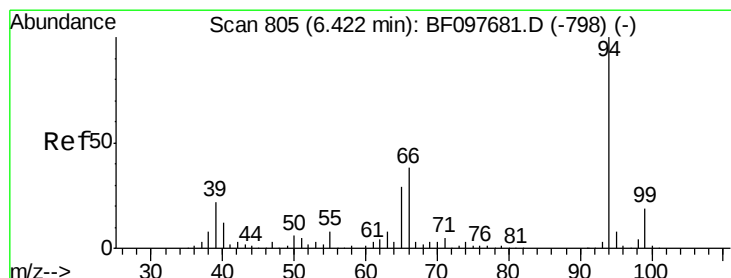
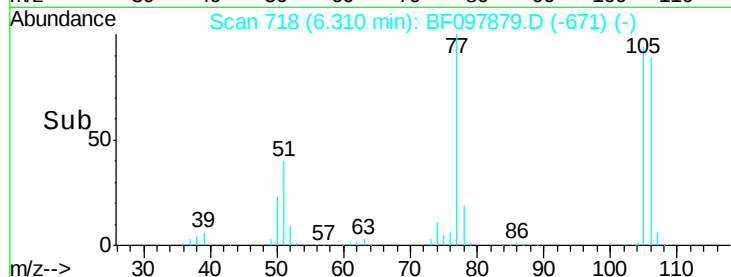
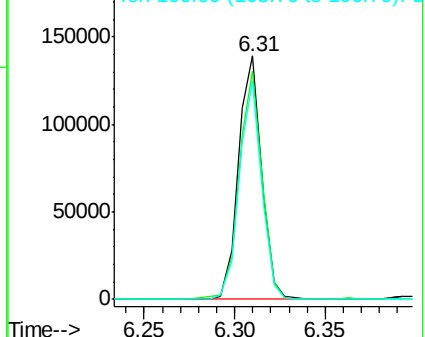
106 89.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 29.19 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

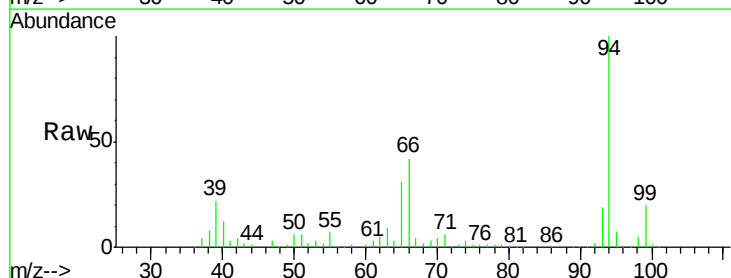
Tgt Ion: 94 Resp: 455803

Ion Ratio Lower Upper

94 100

65 31.4 9.9 49.9

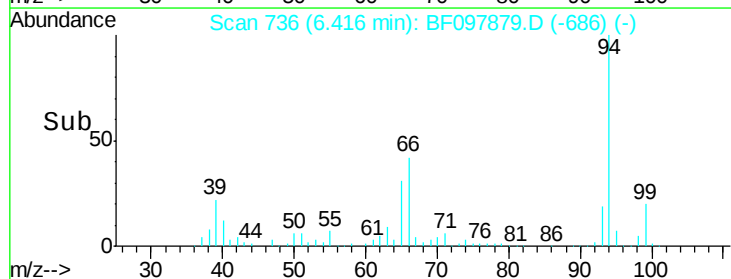
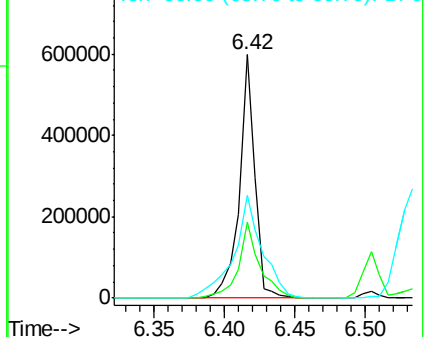
66 42.4 23.1 63.1

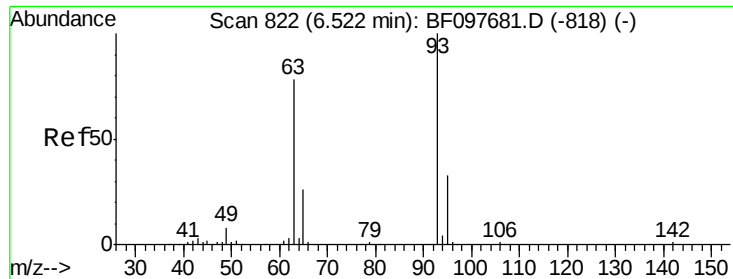


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

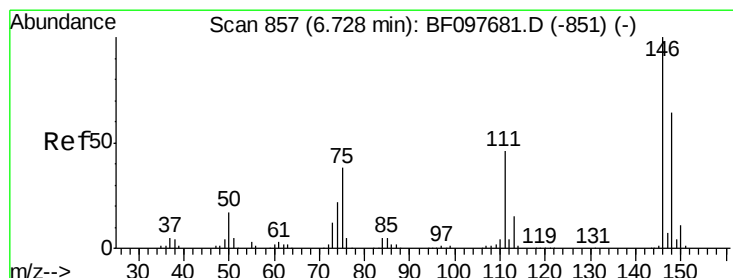
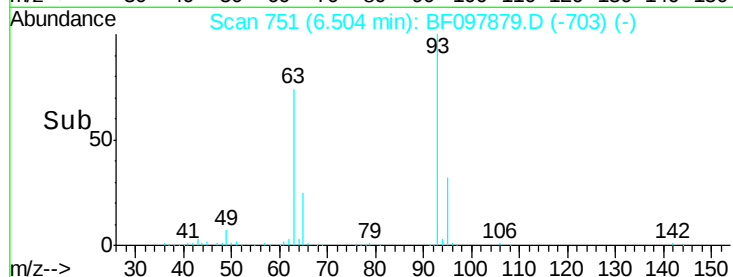
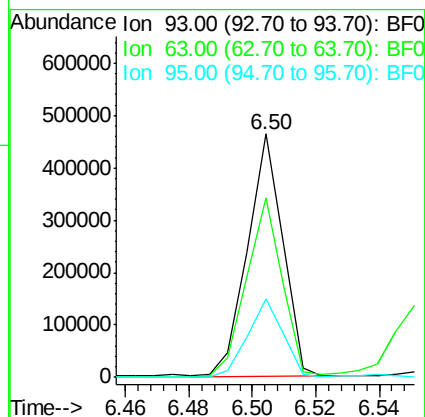
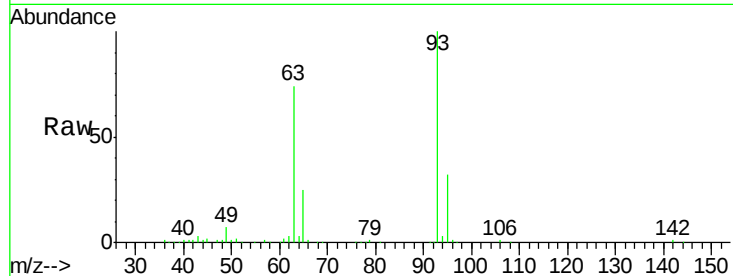




#11
bis(2-Chloroethyl)ether
Concen: 30.28 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

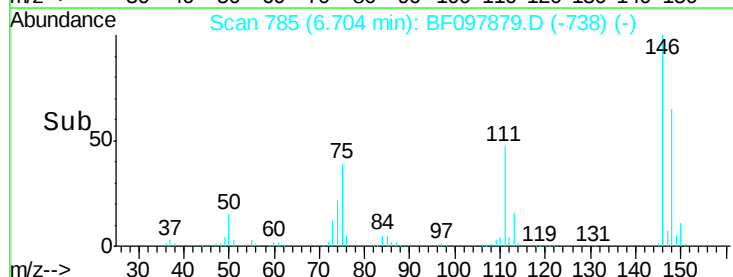
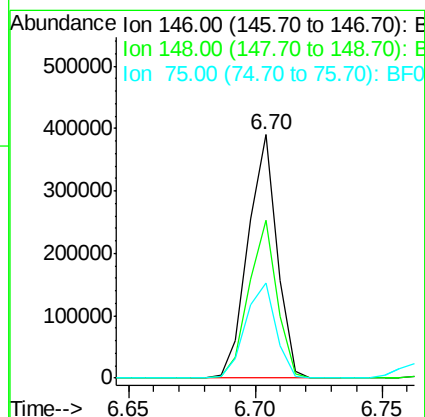
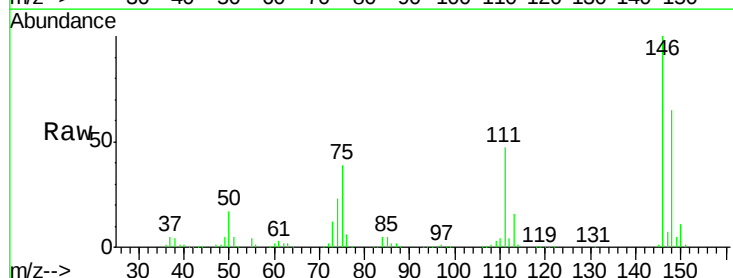
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

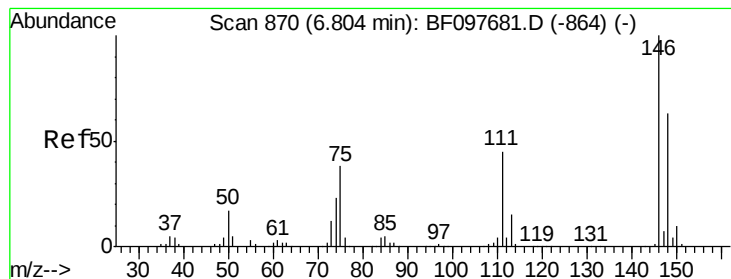
Tot Ion: 93 Resp: 356874
Ion Ratio Lower Upper
93 100
63 73.9 59.2 99.2
95 32.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 27.78 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion: 146 Resp: 309656
Ion Ratio Lower Upper
146 100
148 64.6 51.8 77.6
75 39.1 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 27.85 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

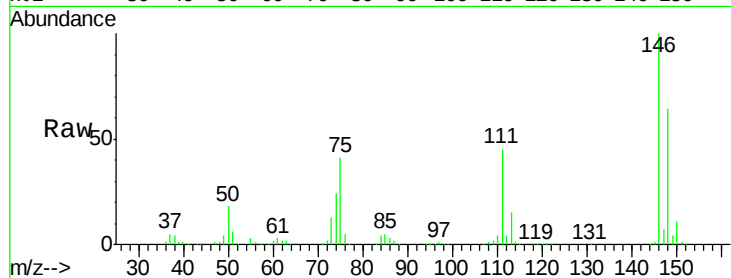
Tot Ion:146 Resp: 315746

Ion Ratio Lower Upper

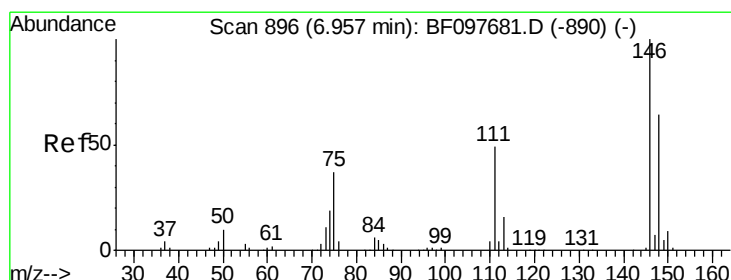
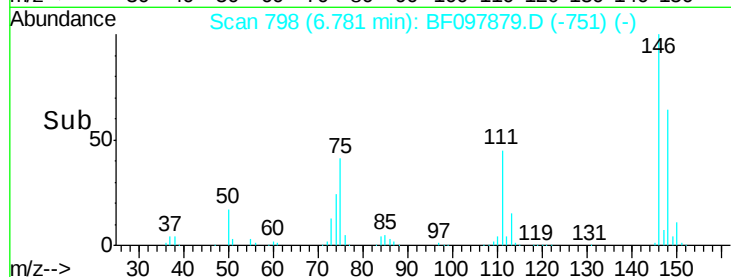
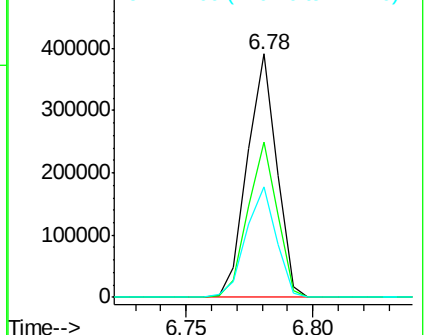
146 100

148 63.9 52.2 78.2

111 45.5 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: 27.91 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

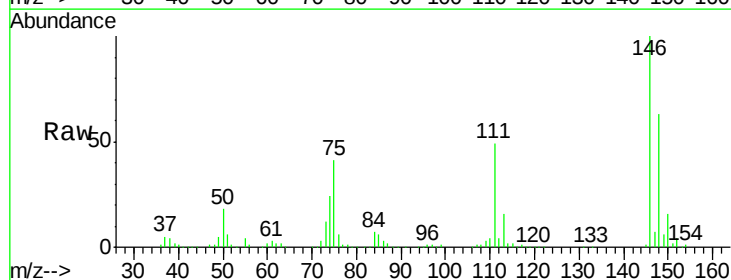
Tgt Ion:146 Resp: 291816

Ion Ratio Lower Upper

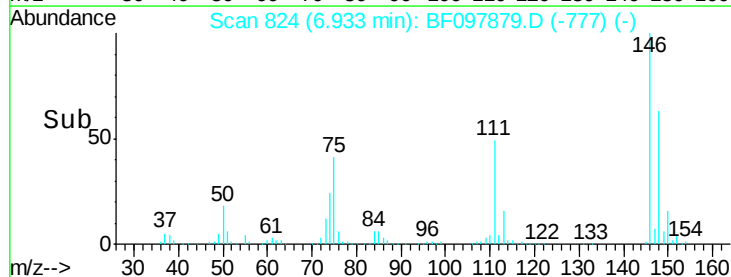
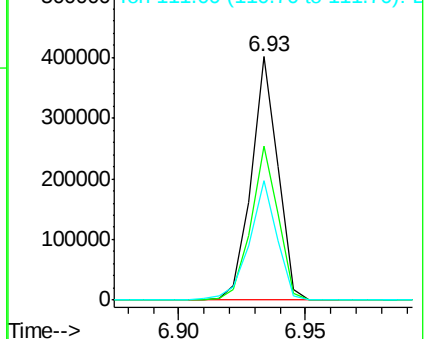
146 100

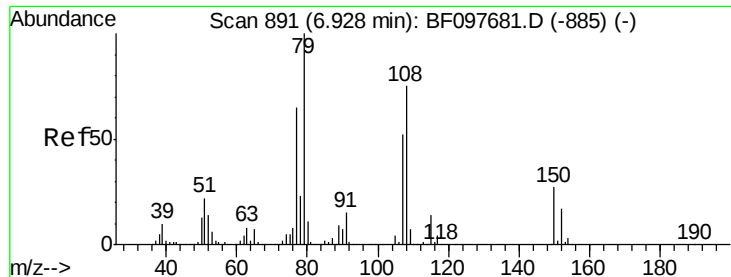
148 63.0 50.4 75.6

111 49.1 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: 32.71 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

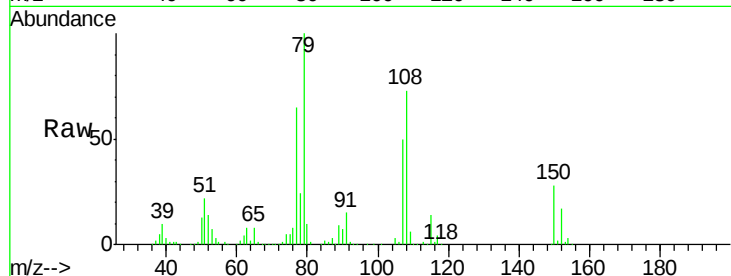
Tot Ion: 79 Resp: 326996

Ion Ratio Lower Upper

79 100

108 73.4 63.4 95.0

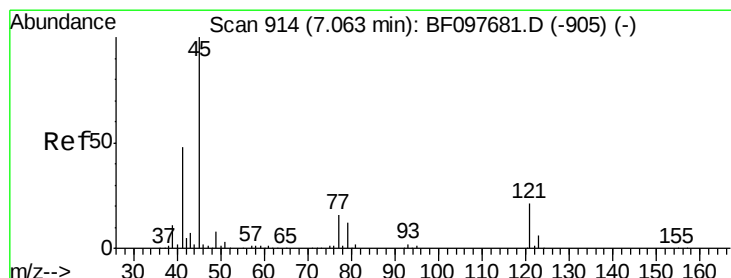
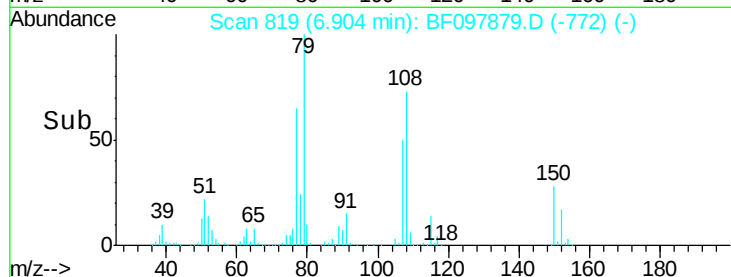
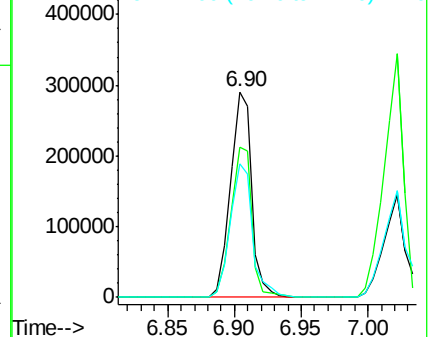
77 64.7 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 30.74 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

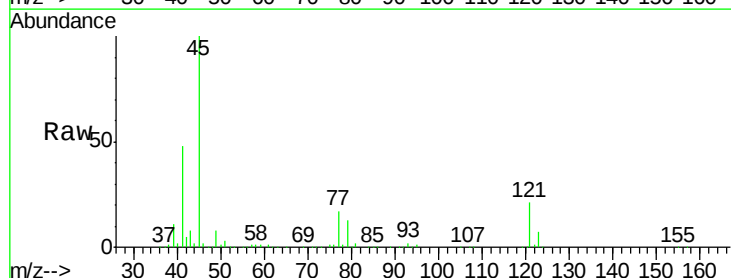
Tgt Ion: 45 Resp: 487391

Ion Ratio Lower Upper

45 100

77 17.3 0.0 33.2

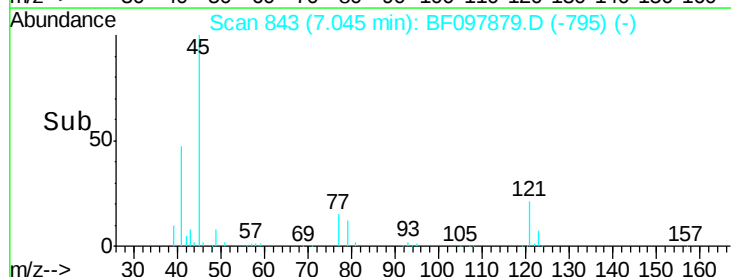
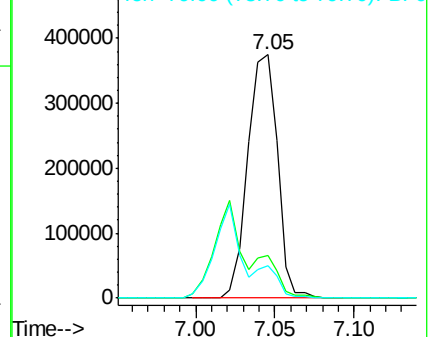
79 13.4 0.0 30.0

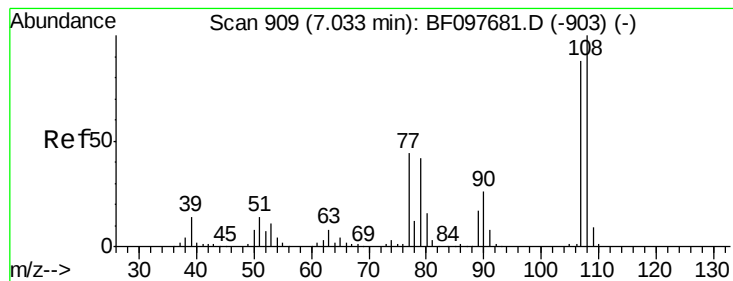


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 32.35 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

Tot Ion:107 Resp: 295480

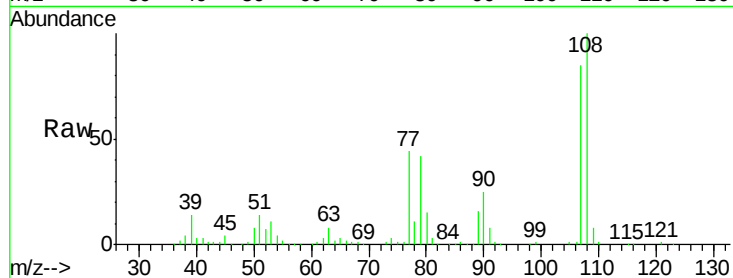
Ion Ratio Lower Upper

107 100

108 117.1 93.4 140.0

77 51.2 35.8 53.6

79 49.3 34.8 52.2

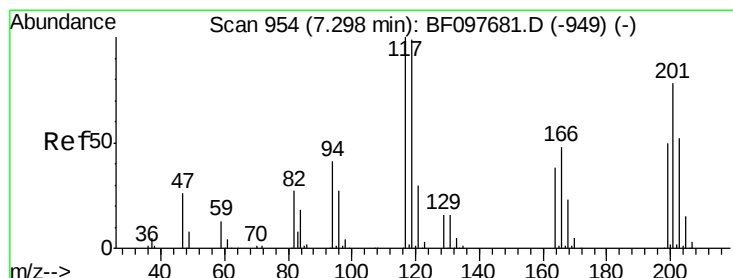
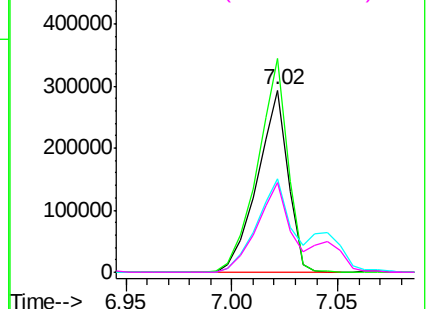
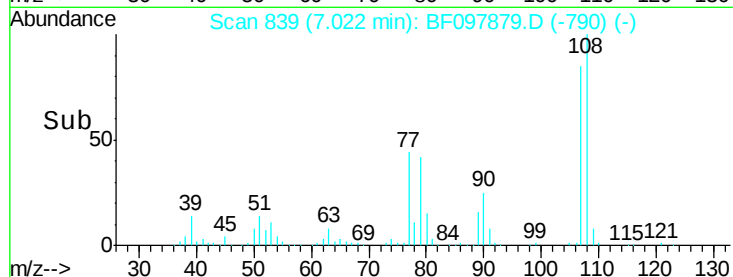


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 29.33 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

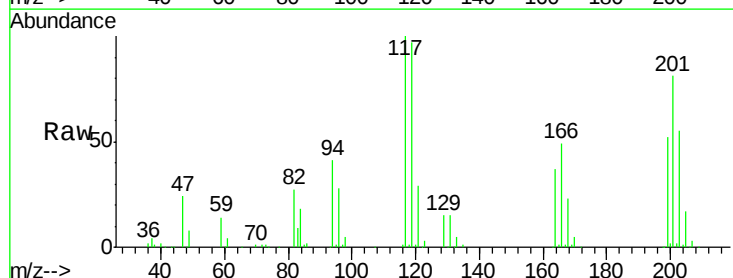
Tgt Ion:117 Resp: 130365

Ion Ratio Lower Upper

117 100

119 97.0 77.4 116.0

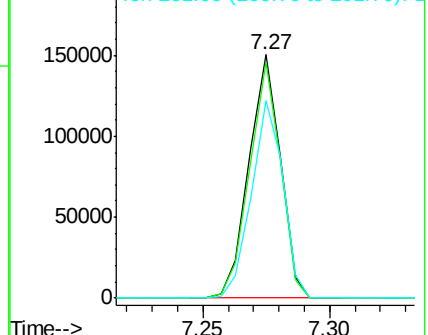
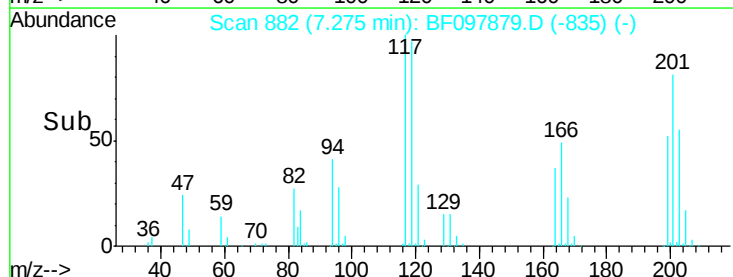
201 81.1 94.6 141.8#

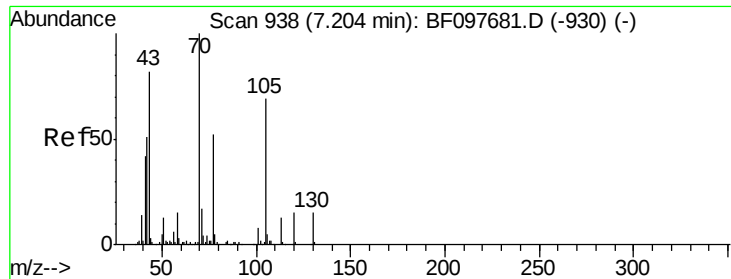


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

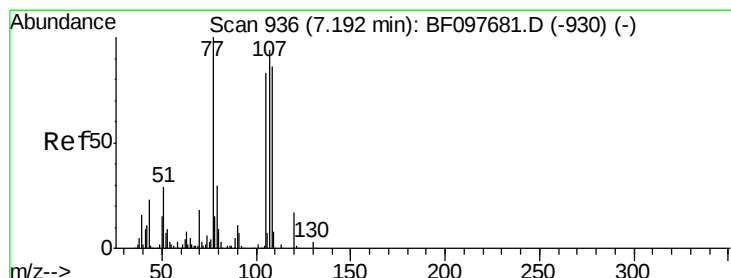
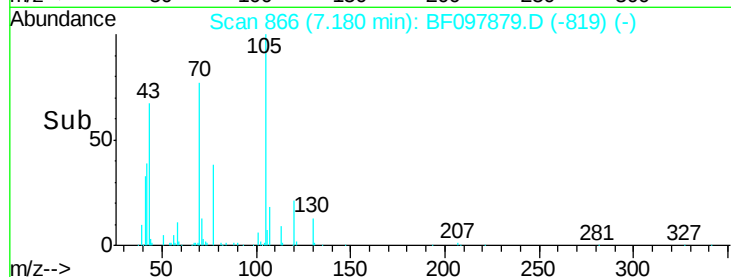
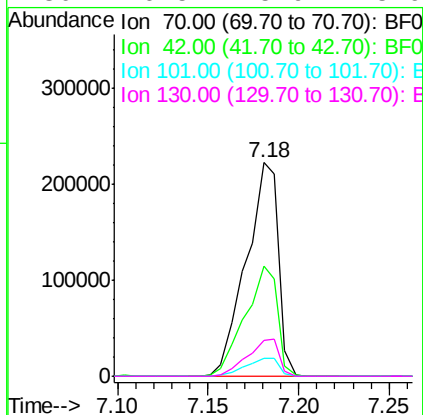
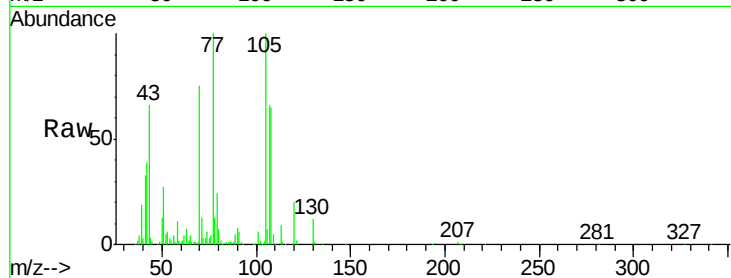




#19
n-Nitroso-di-n-propylamine
Concen: 30.06 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

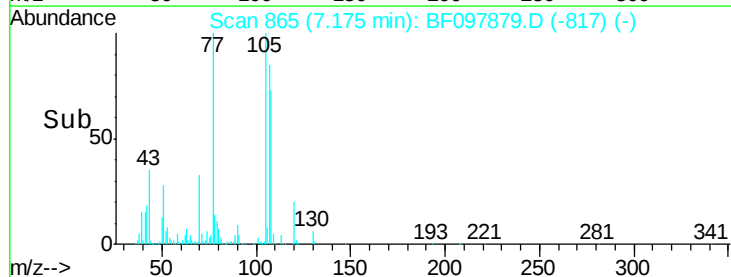
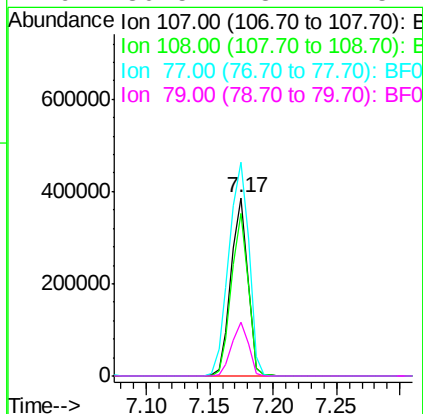
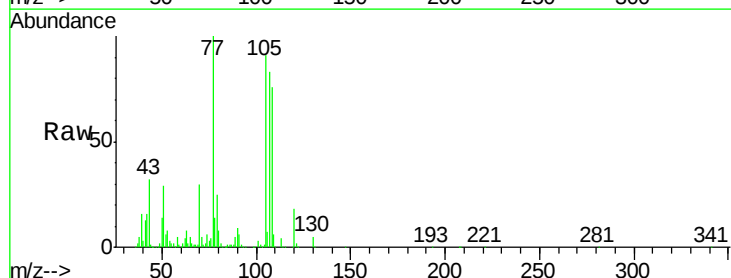
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

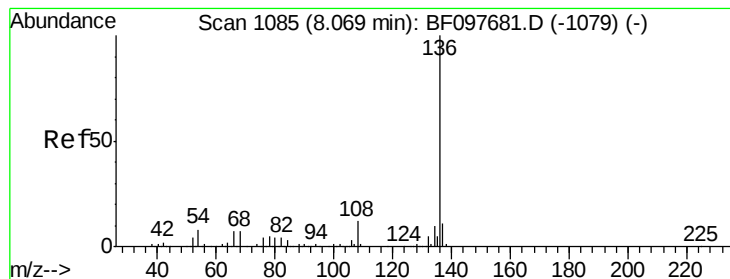
Tot Ion:	70	Resp:	274743
Ion	Ratio	Lower	Upper
70	100		
42	51.6	47.2	70.8
101	8.5	7.2	10.8
130	16.5	15.9	23.9



#20
3+4-Methylphenols
Concen: 31.61 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:	107	Resp:	352596
Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.0	111.0
77	119.9	90.5	130.5
79	30.5	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

Tot Ion:136 Resp: 624713

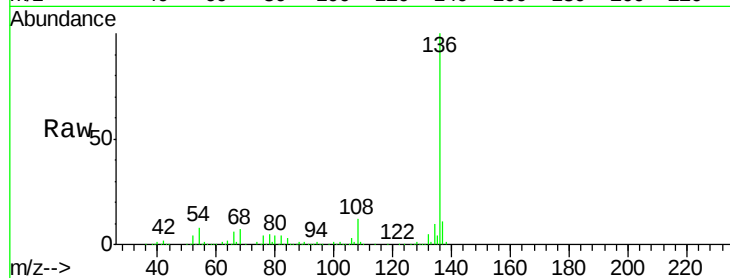
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

68 7.5 4.1 6.1#

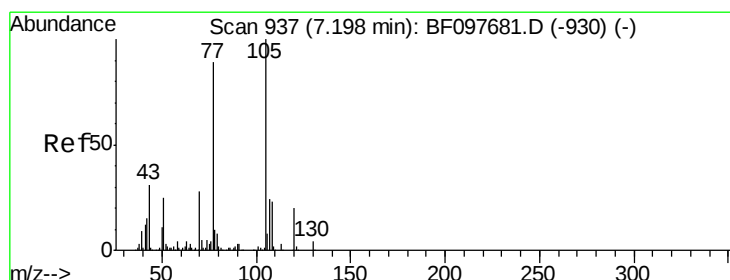
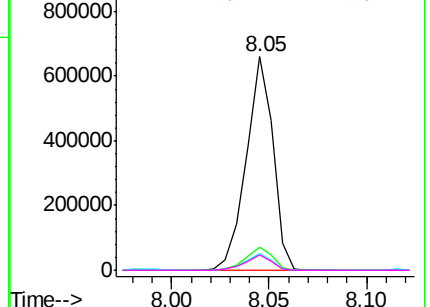
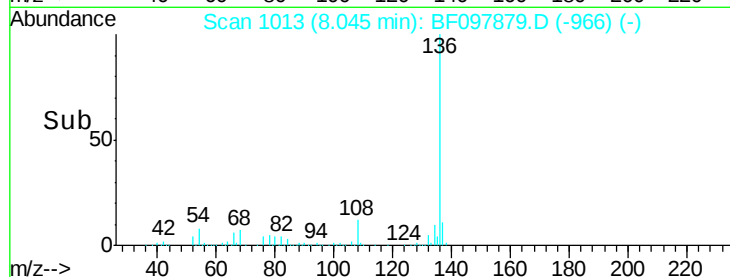


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 29.03 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Tgt Ion:105 Resp: 479095

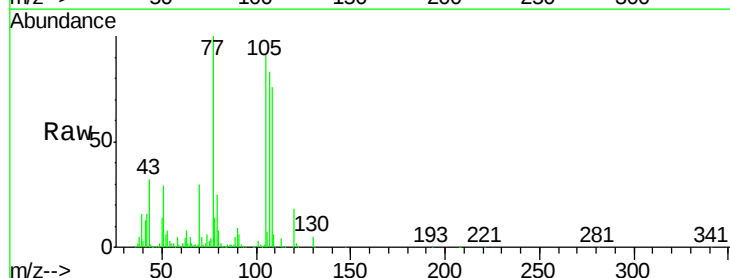
Ion Ratio Lower Upper

105 100

71 5.4 2.8 4.2#

51 31.5 30.7 46.1

120 20.1 17.4 26.0

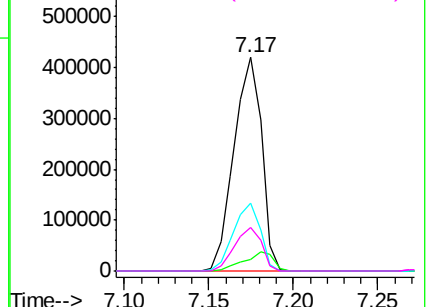
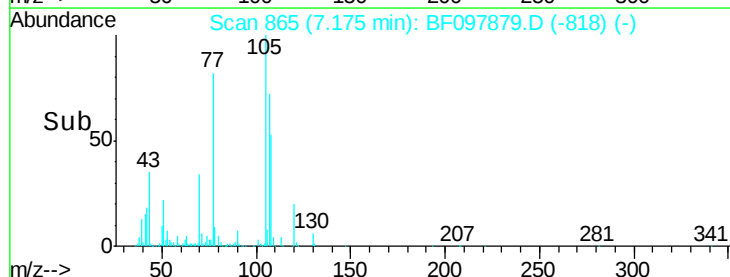


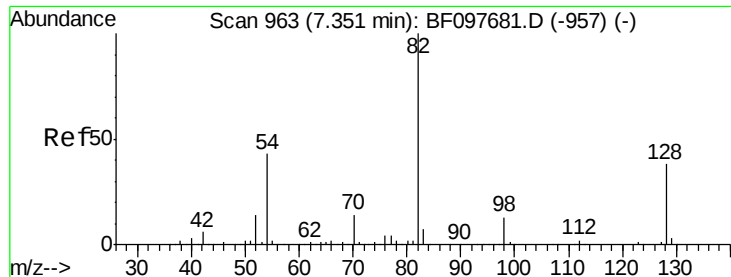
Abundance Ion 105.00 (104.70 to 105.70): E

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

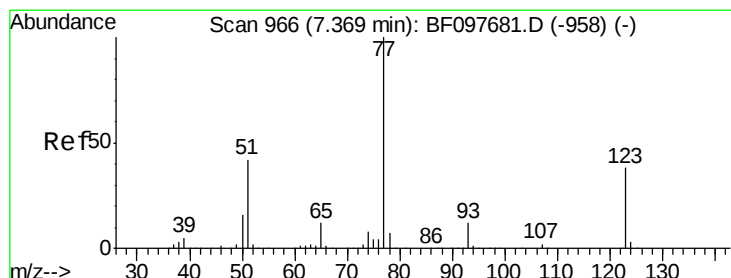
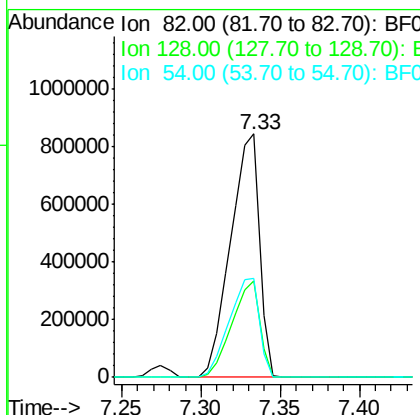
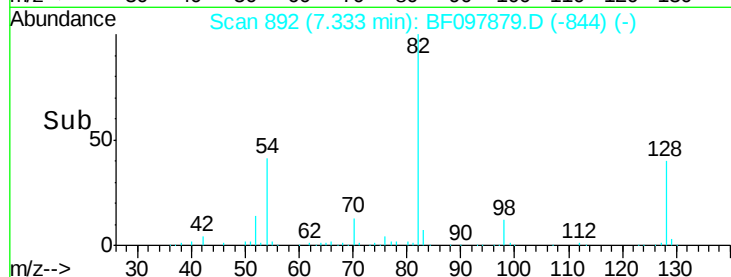
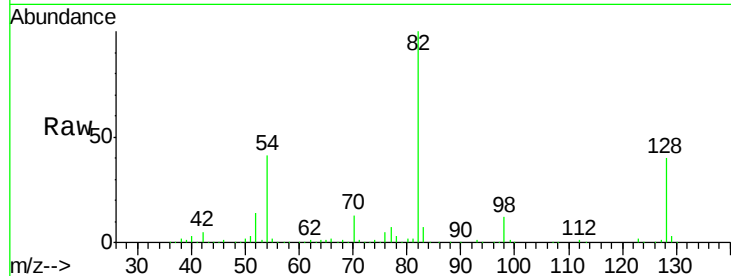




#23
 Nitrobenzene-d5
 Concen: 92.68 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

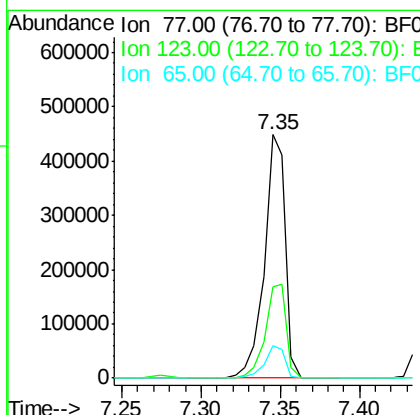
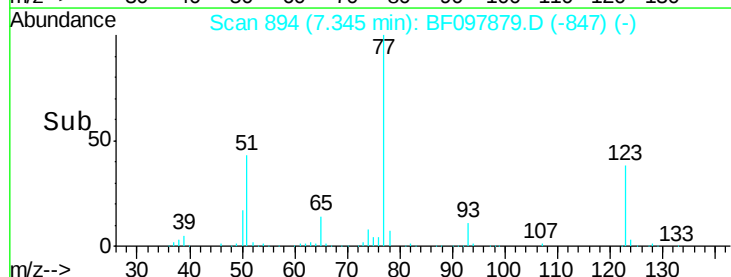
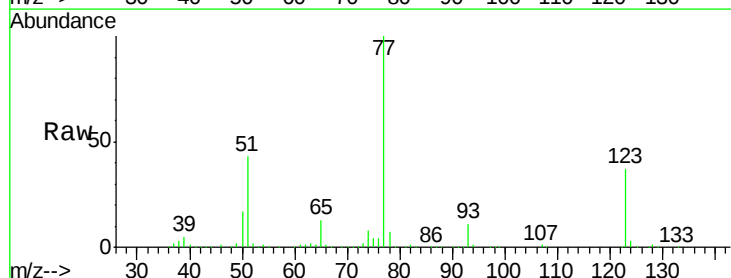
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

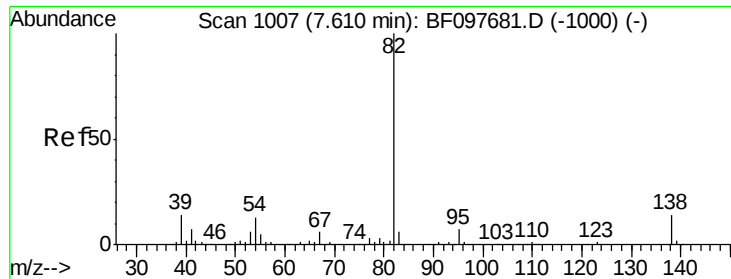
Tot Ion: 82 Resp: 1065733
 Ion Ratio Lower Upper
 82 100
 128 39.7 34.0 51.0
 54 40.9 42.2 63.2#



#24
 Nitrobenzene
 Concen: 32.37 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion: 77 Resp: 414425
 Ion Ratio Lower Upper
 77 100
 123 37.3 35.8 53.8
 65 13.4 10.6 15.8





#25

Isophorone

Concen: 32.75 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

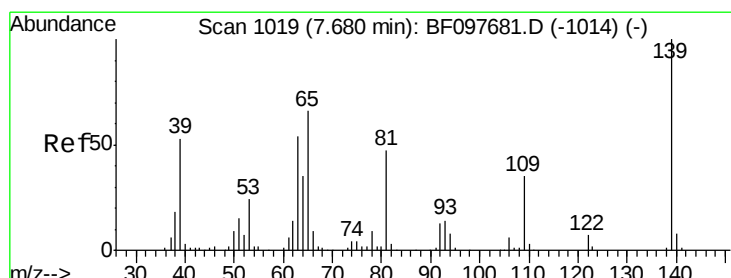
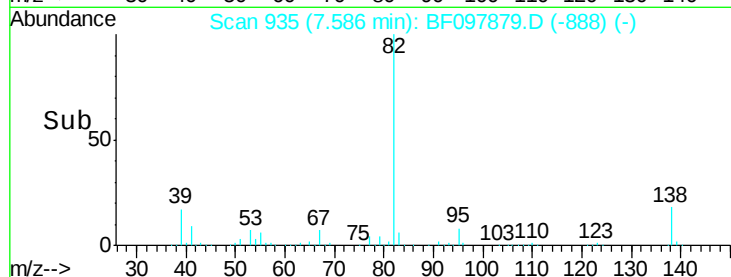
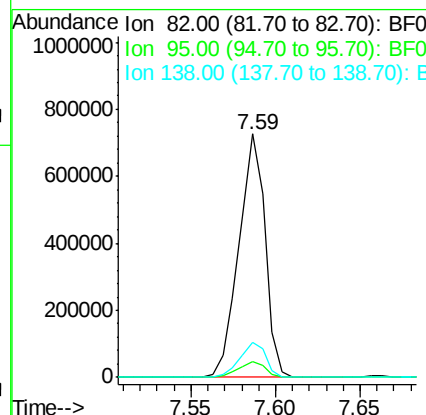
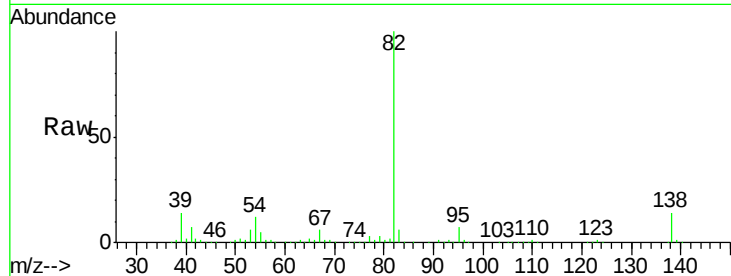
Tot Ion: 82 Resp: 783223

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 14.2 13.1 19.7



#26

2-Nitrophenol

Concen: 36.98 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

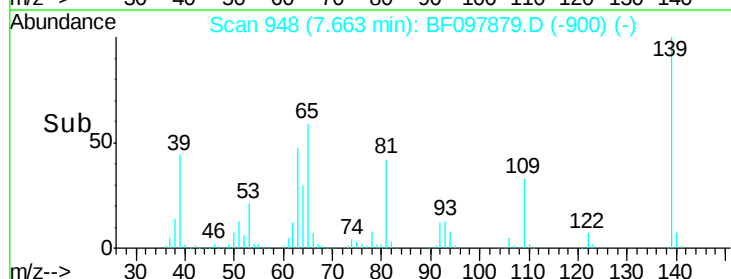
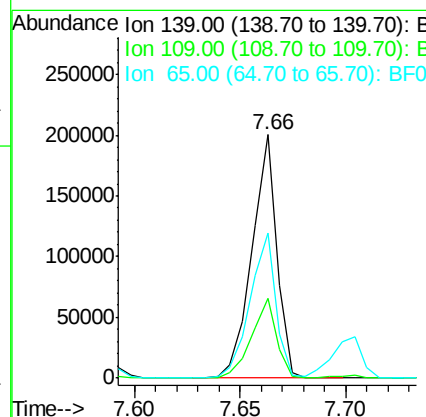
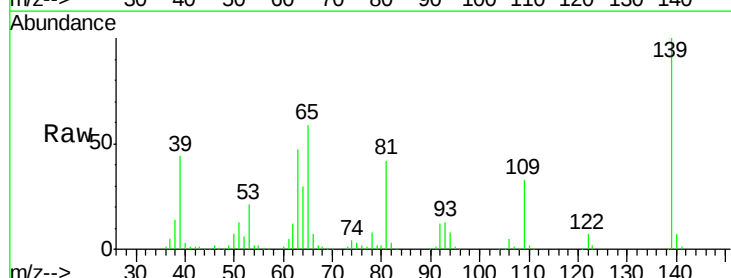
Tgt Ion: 139 Resp: 165274

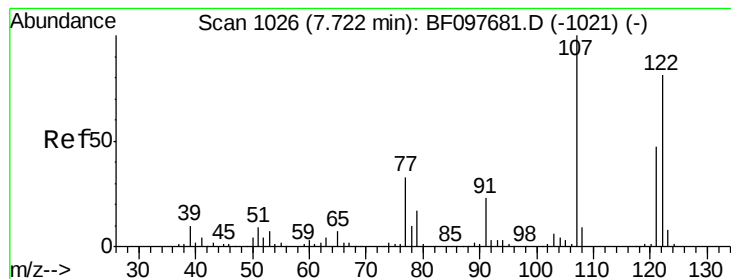
Ion Ratio Lower Upper

139 100

109 32.8 21.0 31.6#

65 59.3 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 29.82 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

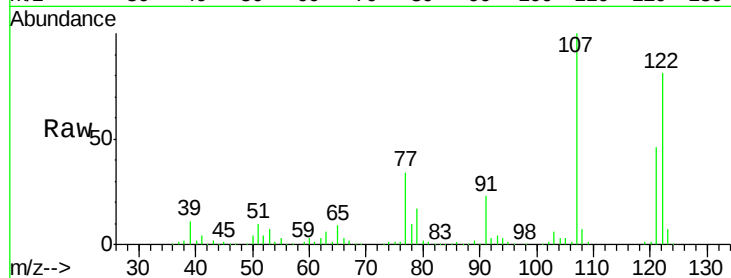
Tot Ion:122 Resp: 297393

Ion Ratio Lower Upper

122 100

107 123.6 89.2 133.8

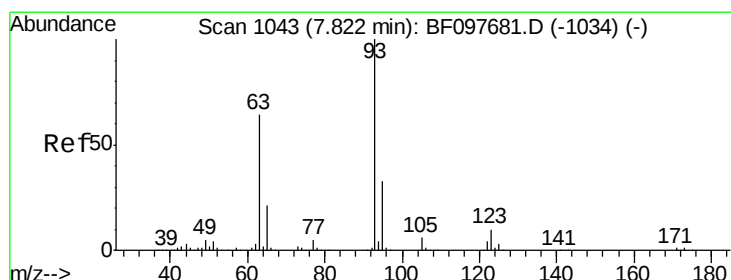
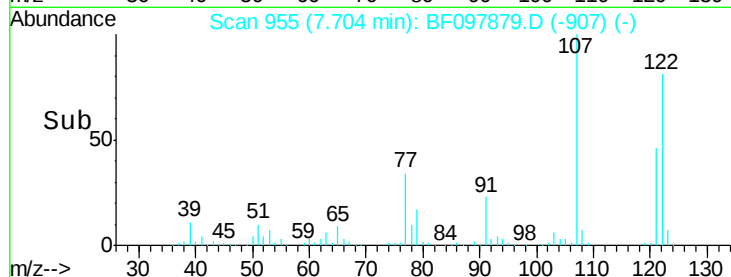
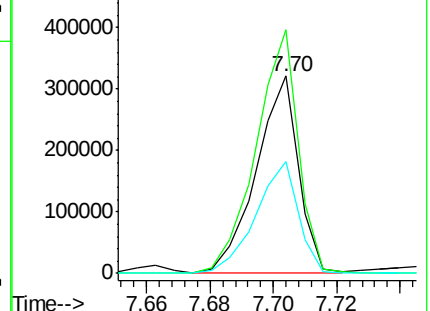
121 57.0 45.2 67.8



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: 30.71 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

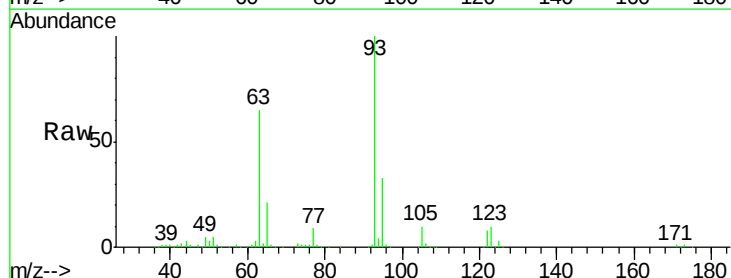
Tgt Ion: 93 Resp: 482727

Ion Ratio Lower Upper

93 100

95 32.8 26.5 39.7

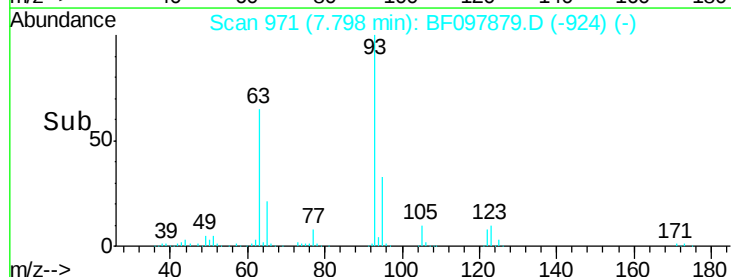
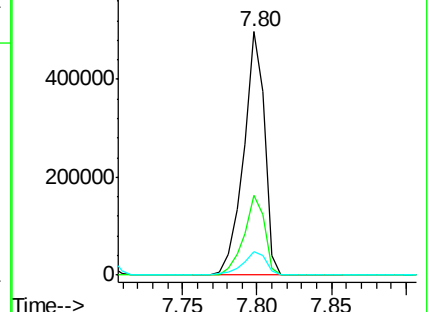
123 9.6 9.0 13.4

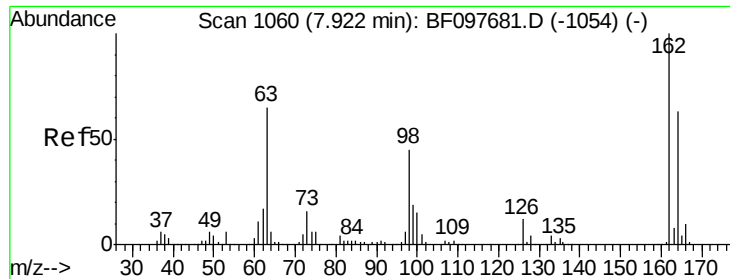


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

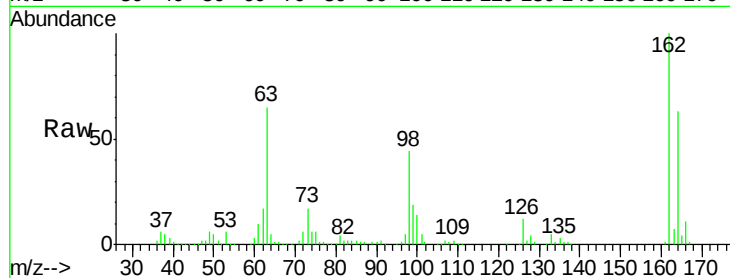




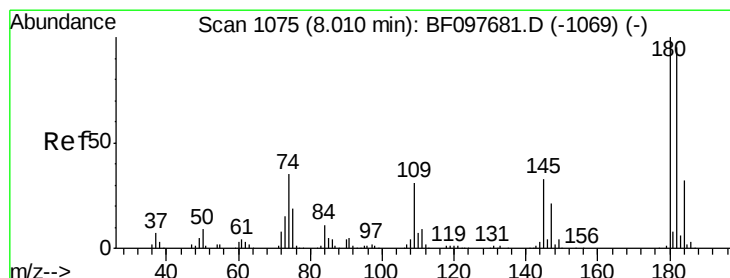
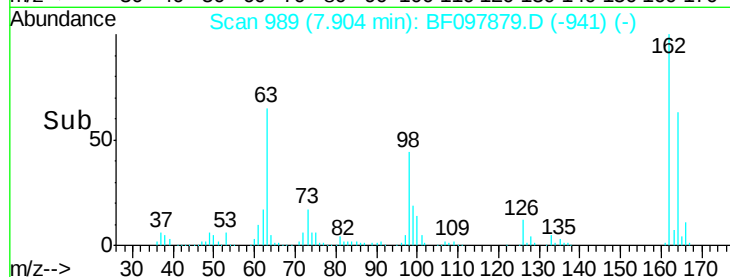
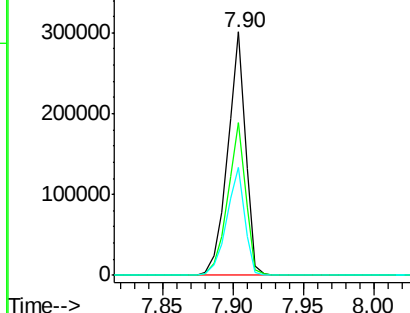
#29
 2,4-Dichlorophenol
 Concen: 32.05 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.6	84.6
98	44.4	14.8	54.8

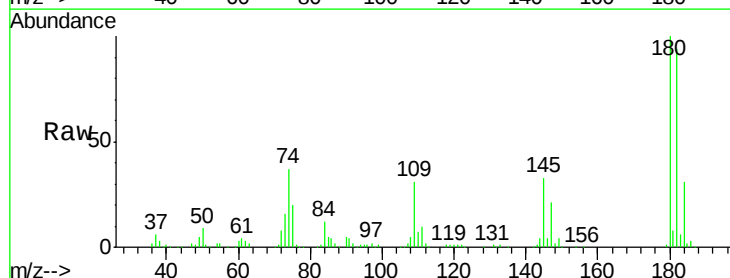


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

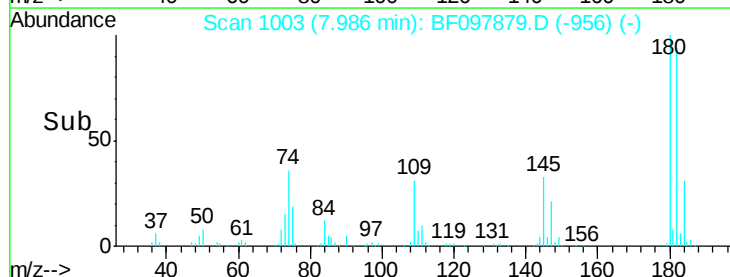
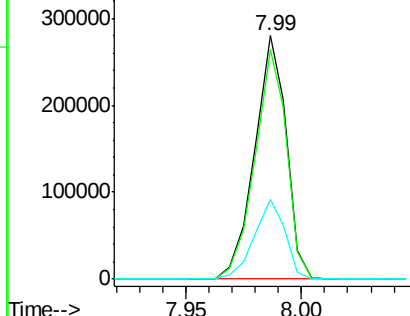


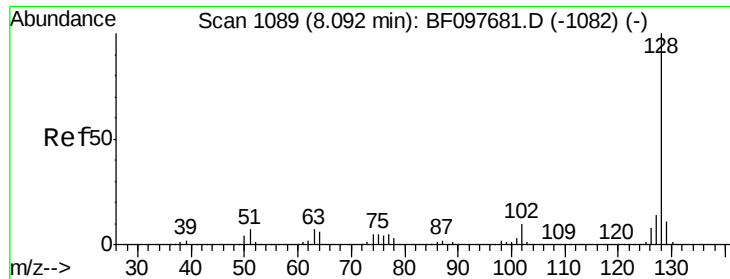
#30
 1,2,4-Trichlorobenzene
 Concen: 29.14 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.6
145	32.5	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

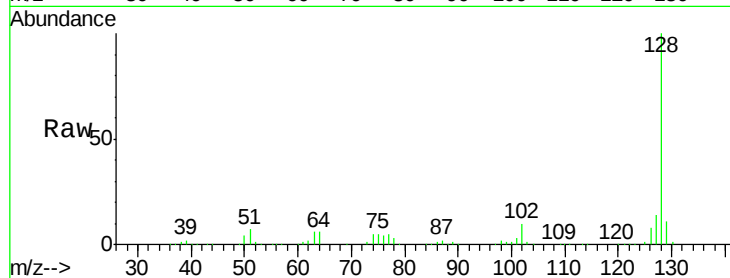




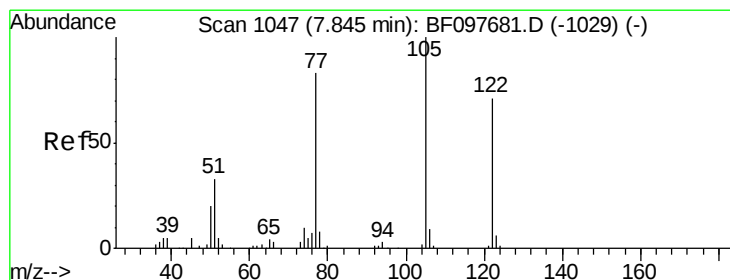
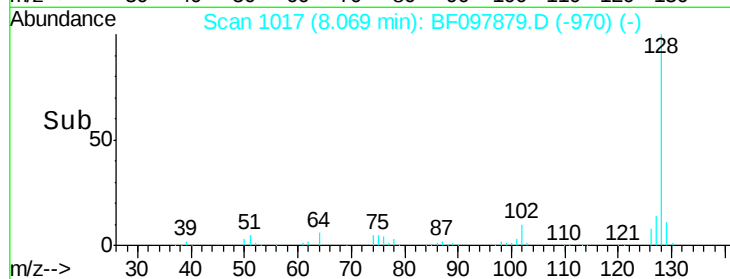
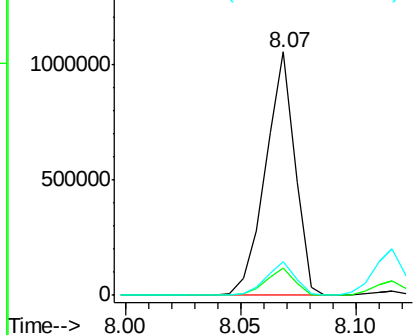
#31
Naphthalene
Concen: 28.76 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

Tot Ion:128 Resp: 932647
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.9 10.8 16.2

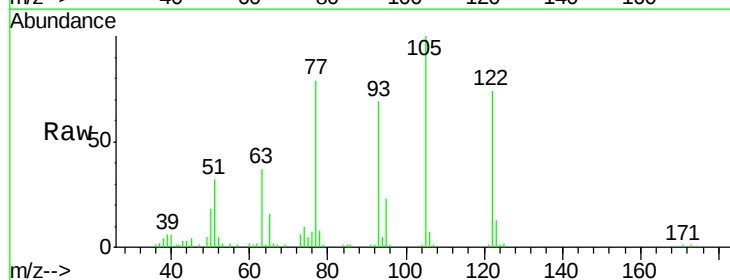


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

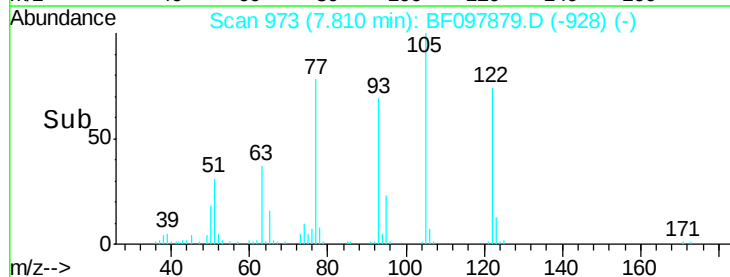
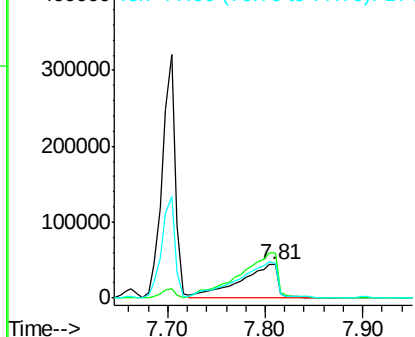


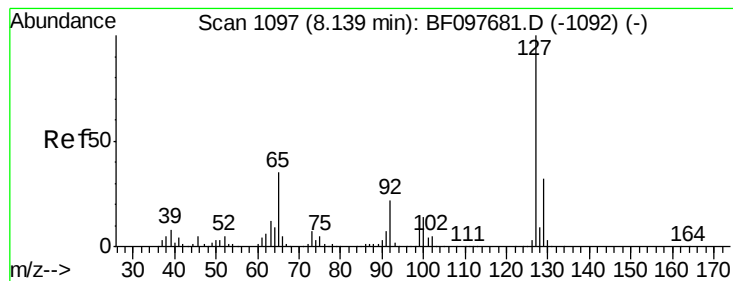
#32
Benzoic acid
Concen: 20.85 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.04 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:122 Resp: 121151
Ion Ratio Lower Upper
122 100
105 134.5 103.3 143.3
77 106.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 14.05 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

Tot Ion:127 Resp: 192173

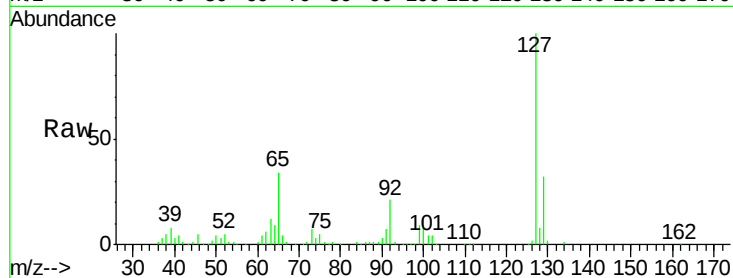
Ion Ratio Lower Upper

127 100

129 32.4 26.2 39.2

65 33.8 27.8 41.8

92 21.0 16.8 25.2

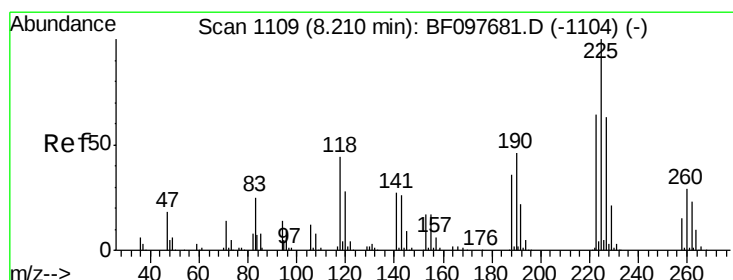
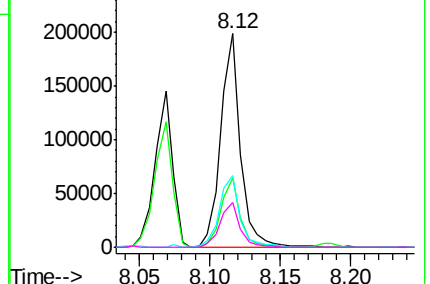
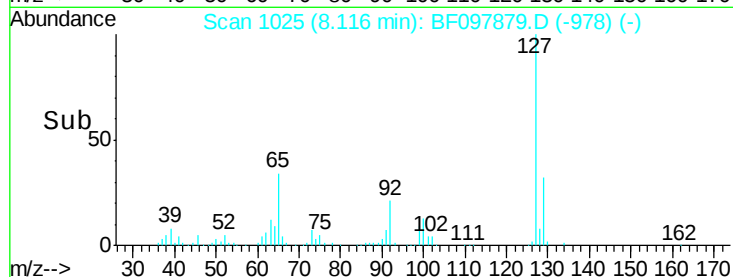


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 28.96 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

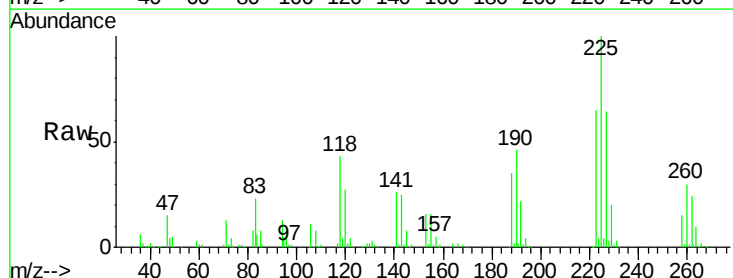
Tgt Ion:225 Resp: 155173

Ion Ratio Lower Upper

225 100

223 65.1 48.8 73.2

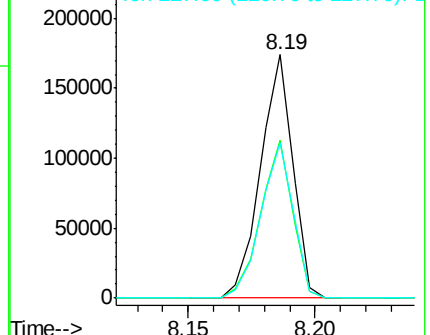
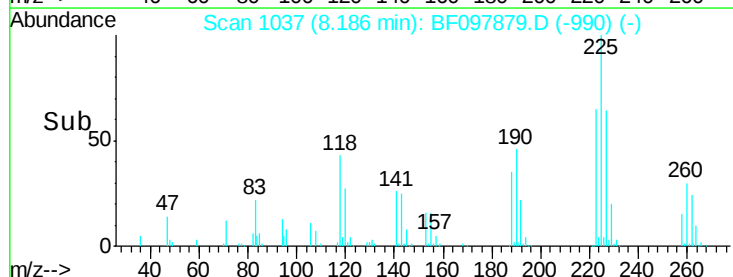
227 63.9 51.1 76.7

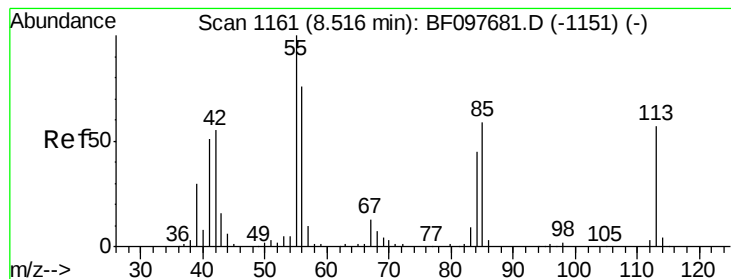


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 19.40 ng

RT: 8.49 min Scan# 1088

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

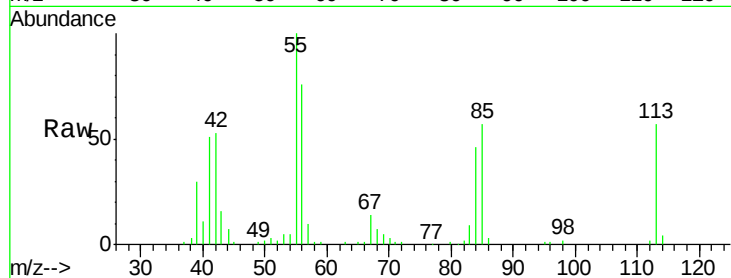
Tot Ion:113 Resp: 54602

Ion Ratio Lower Upper

113 100

55 175.9 150.2 190.2

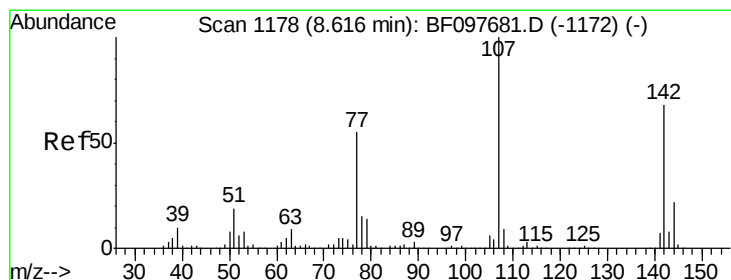
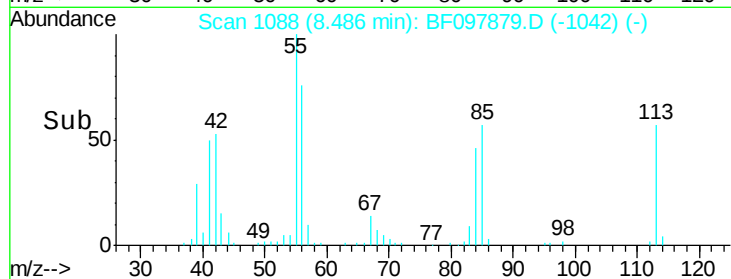
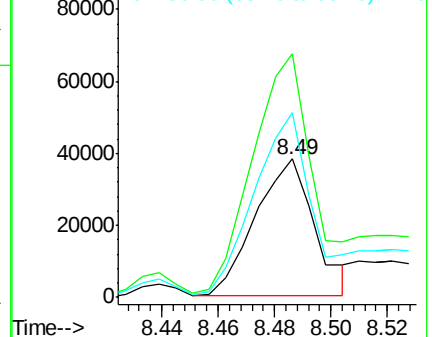
56 133.2 107.8 147.8



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: 31.08 ng

RT: 8.60 min Scan# 1107

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

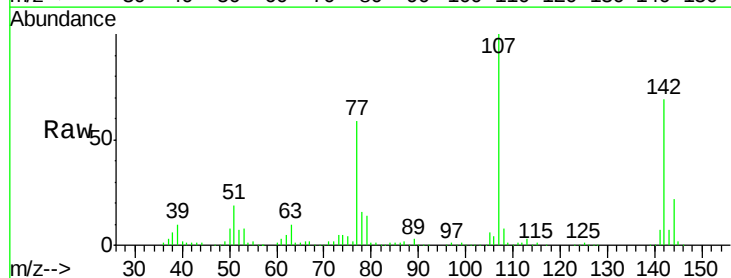
Tgt Ion:107 Resp: 330579

Ion Ratio Lower Upper

107 100

144 21.7 24.2 36.4#

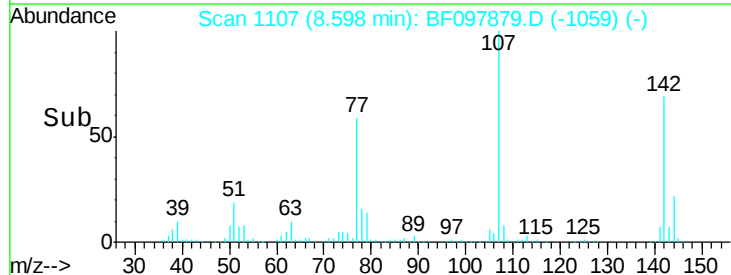
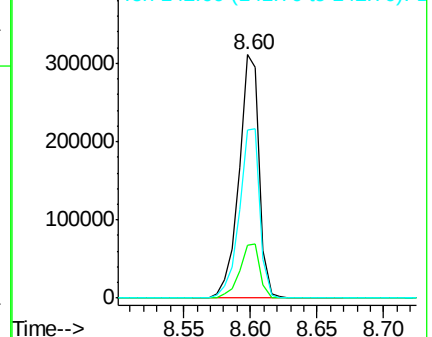
142 68.8 73.4 110.0#

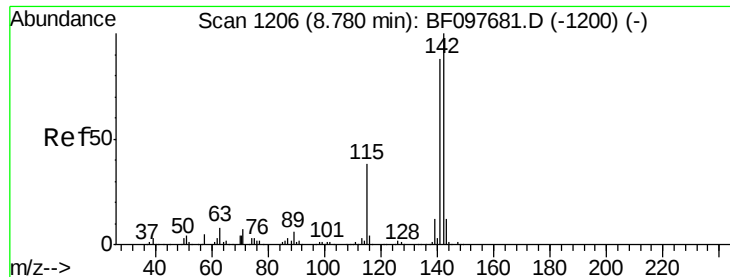


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

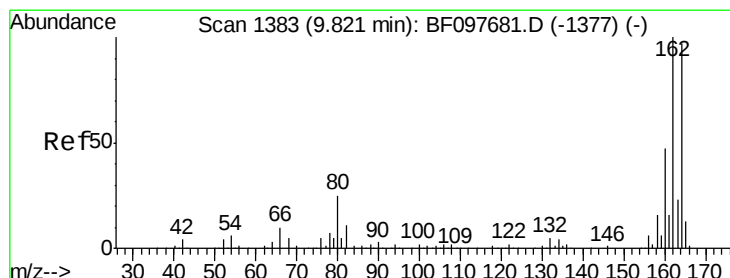
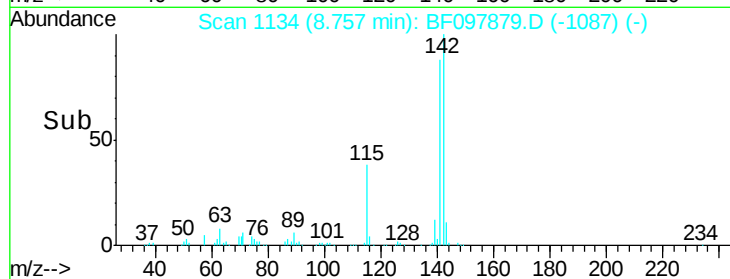
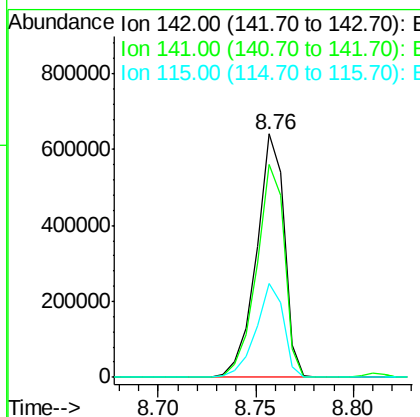
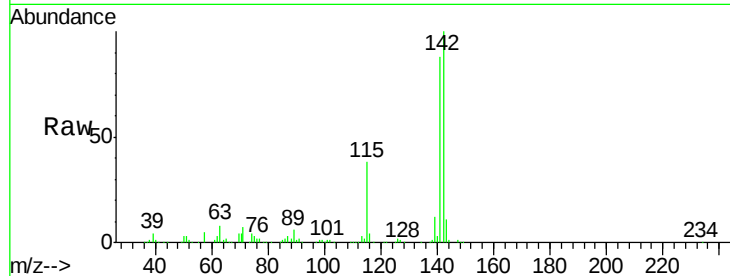




#37
 2-Methylnaphthalene
 Concen: 31.83 ng
 RT: 8.76 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

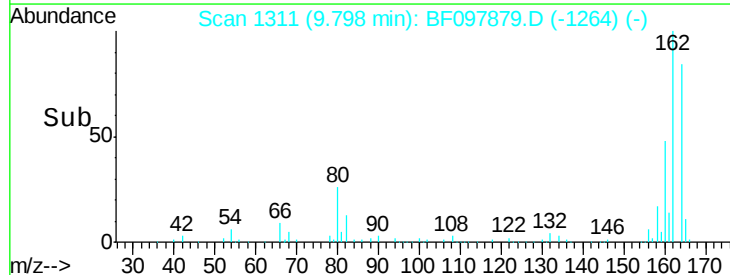
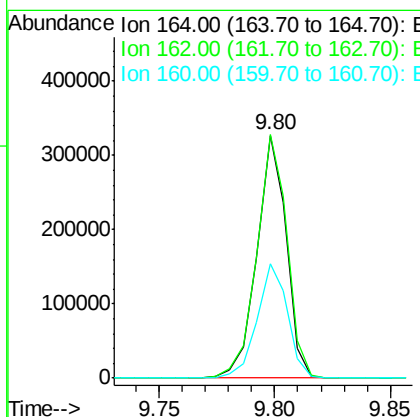
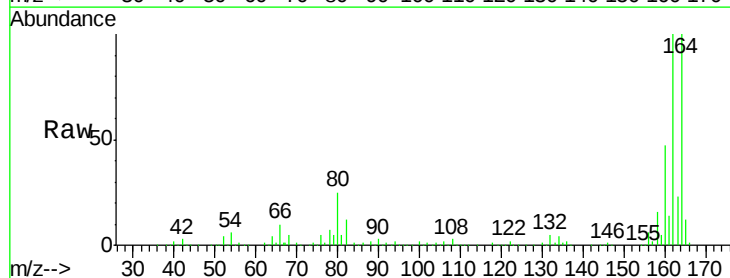
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

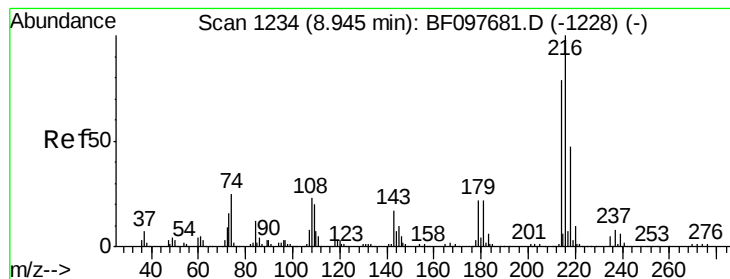
Tot Ion:142 Resp: 632937
 Ion Ratio Lower Upper
 142 100
 141 87.7 71.3 106.9
 115 38.3 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:164 Resp: 291235
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.6 123.8
 160 47.0 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 28.63 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

Tot Ion:216 Resp: 255849

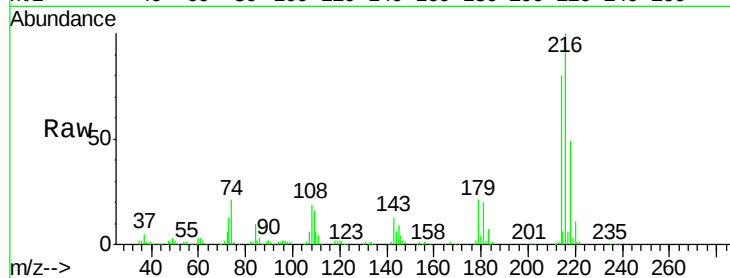
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 21.9 17.9 26.9

108 26.7 16.5 24.7#

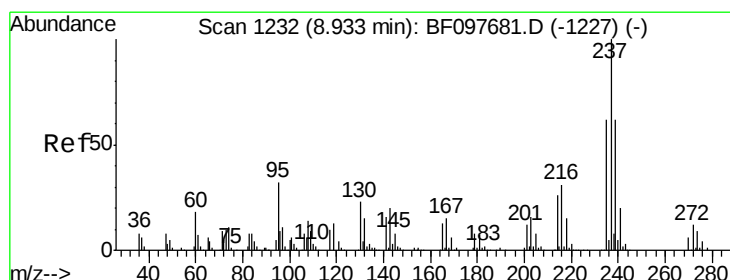
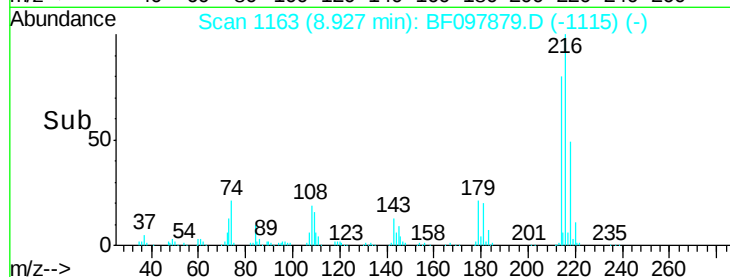
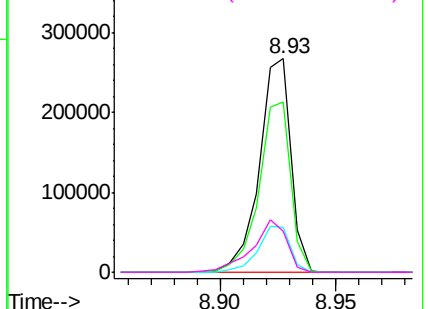


Abundance Ion 216.00 (215.70 to 216.70): E

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: 52.18 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

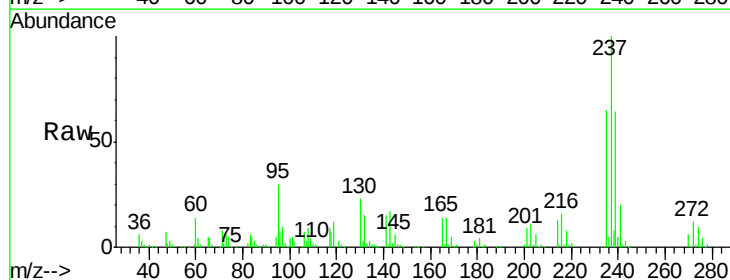
Tgt Ion:237 Resp: 224051

Ion Ratio Lower Upper

237 100

235 64.8 42.6 82.6

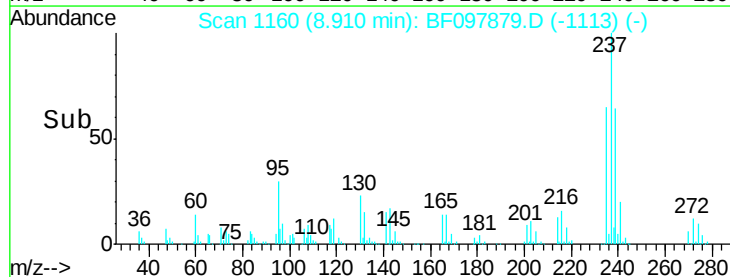
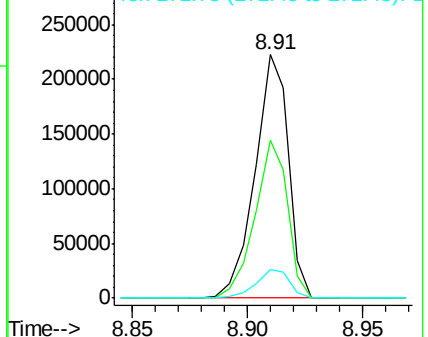
272 11.8 0.0 31.9

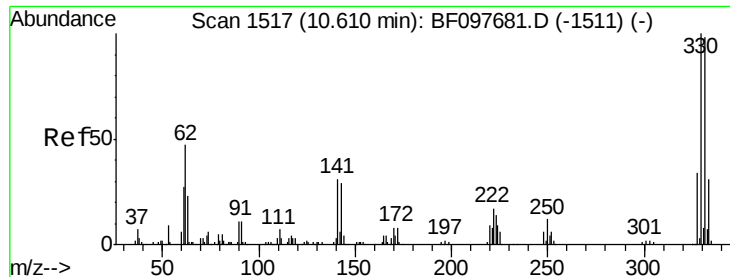


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

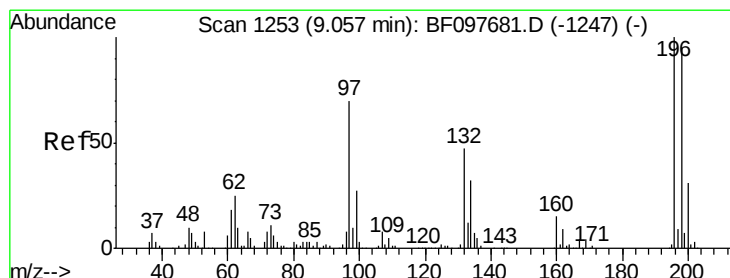
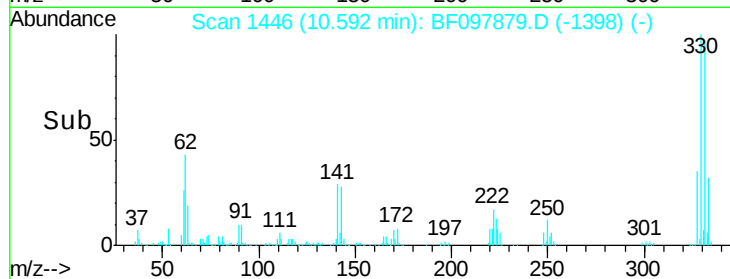
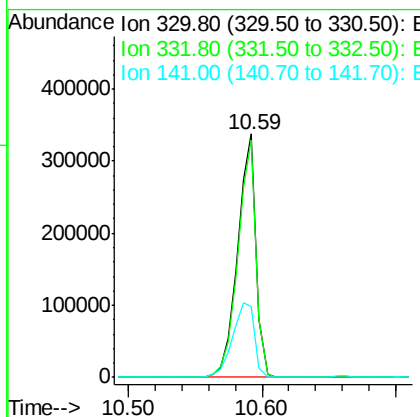
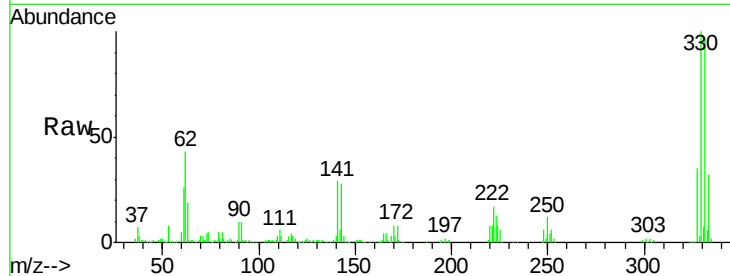




#41
 2,4,6-Tribromophenol
 Concen: 128.14 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

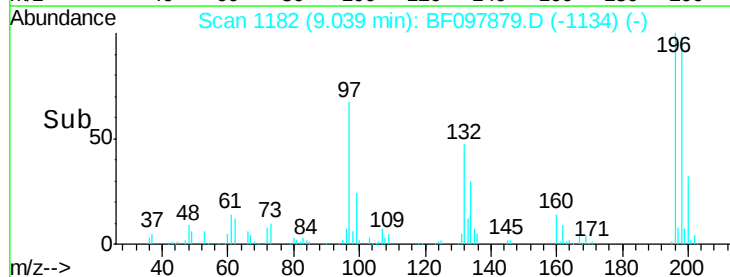
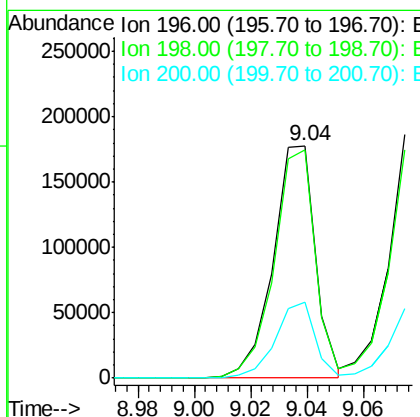
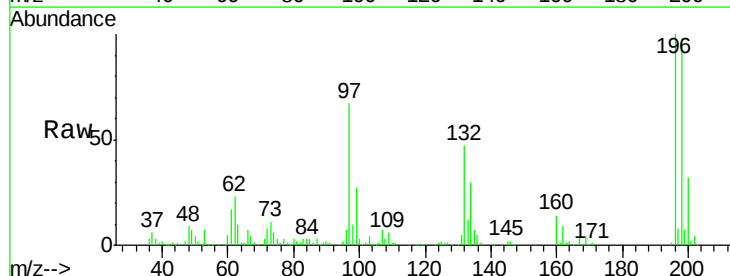
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	37.0	31.4	47.2



#42
 2,4,6-Trichlorophenol
 Concen: 30.70 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.3	74.2	111.4
200	32.4	24.0	36.0

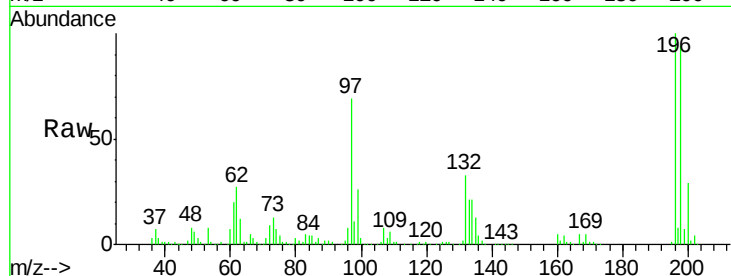




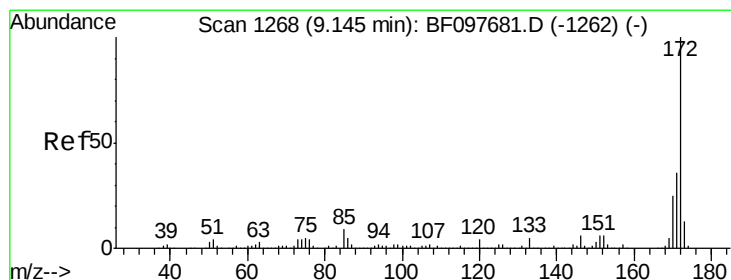
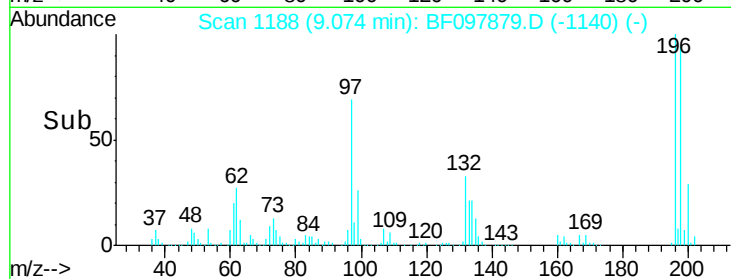
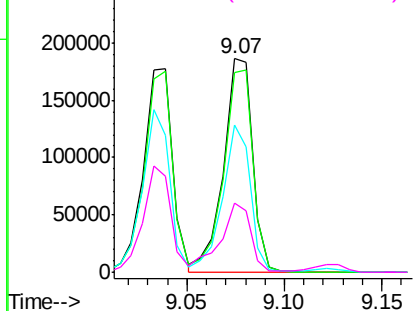
#43
 2,4,5-Trichlorophenol
 Concen: 32.44 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Tot Ion:	196	Resp:	193116
Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.7	113.5
97	69.1	47.7	71.5
132	32.6	28.0	42.0

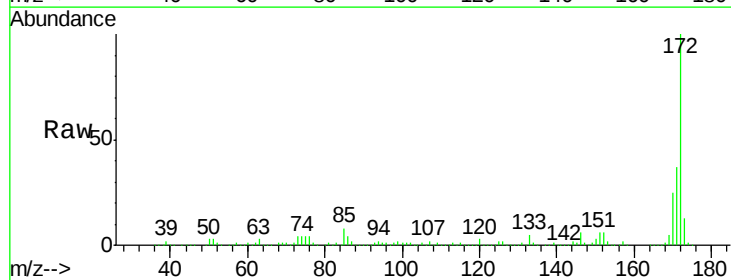


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

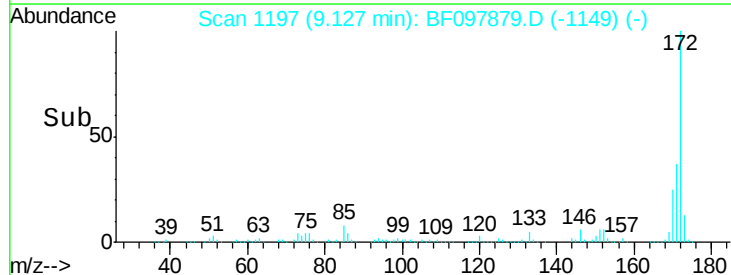
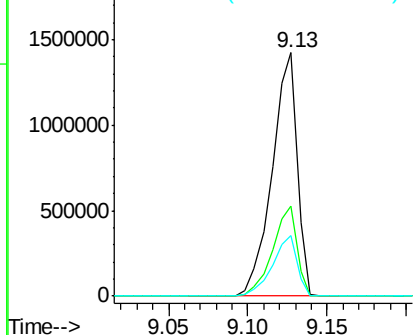


#44
 2-Fluorobiphenyl
 Concen: 79.05 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:	172	Resp:	1567016
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	25.1	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: 28.58 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

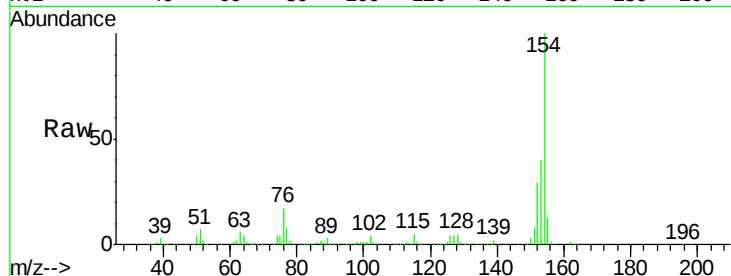
Tot Ion:154 Resp: 759104

Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

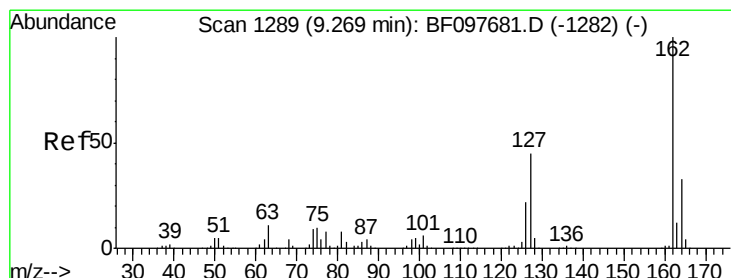
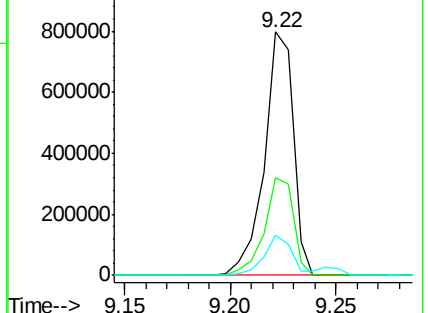
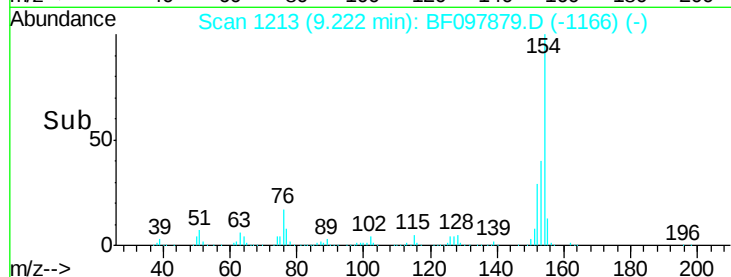
76 16.6 0.0 29.9



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: 28.07 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

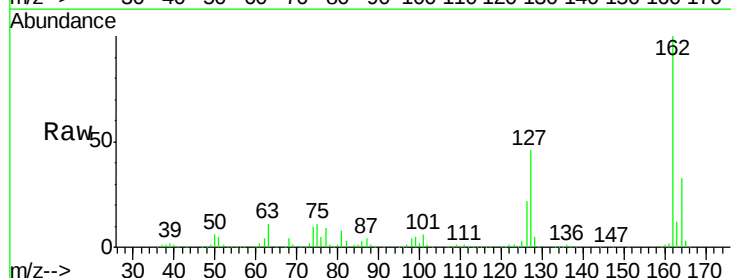
Tgt Ion:162 Resp: 550888

Ion Ratio Lower Upper

162 100

127 45.7 28.3 42.5#

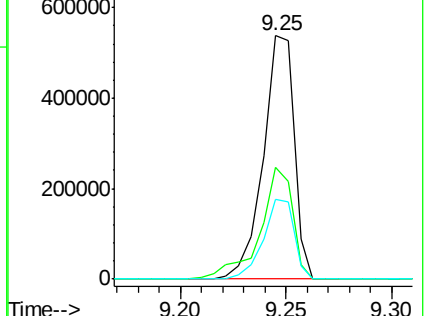
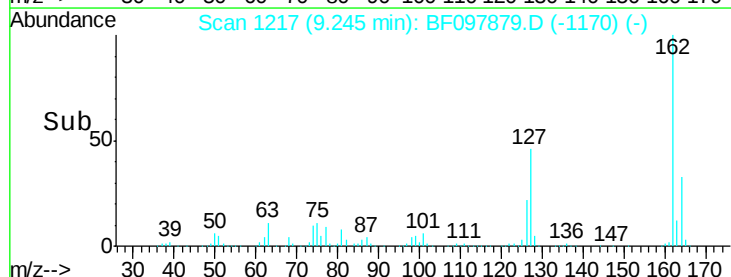
164 32.7 27.0 40.4

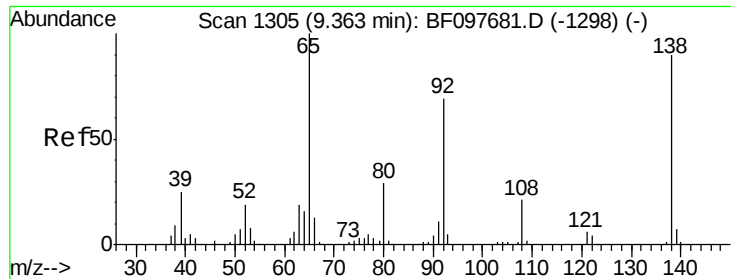


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

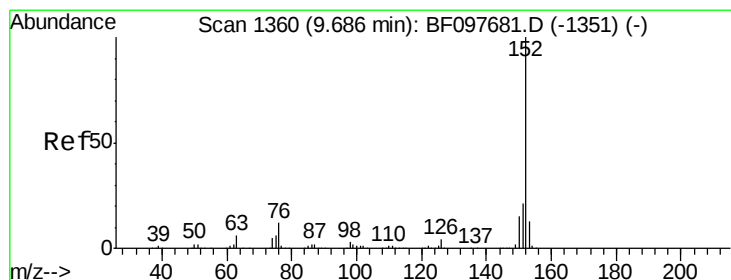
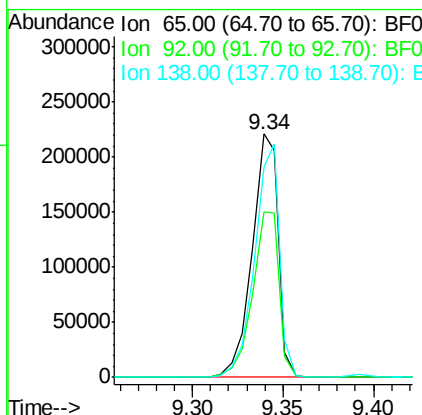
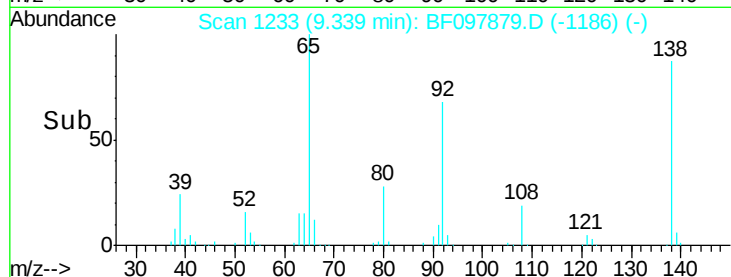
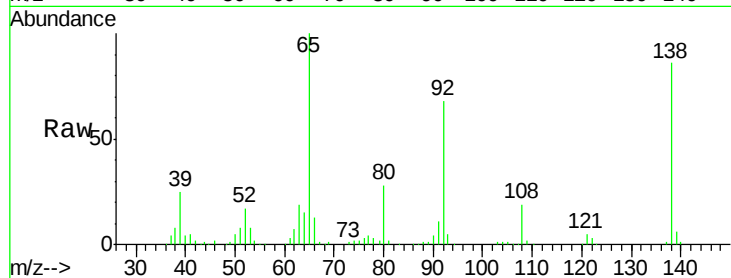




#47
 2-Nitroaniline
 Concen: 33.61 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

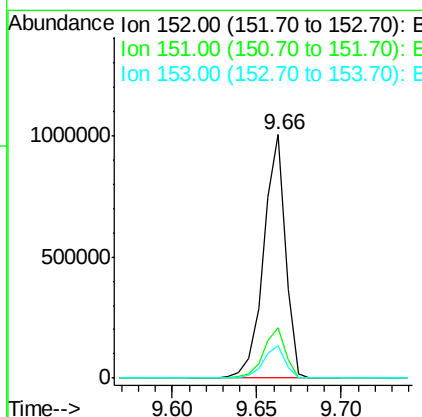
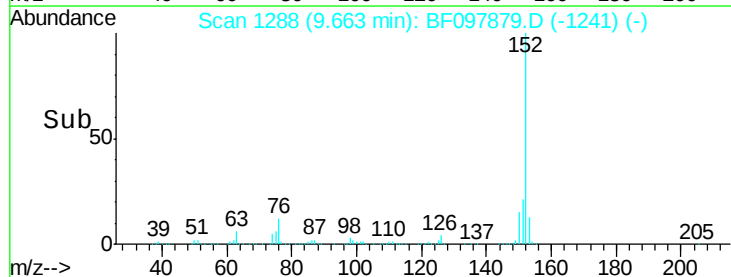
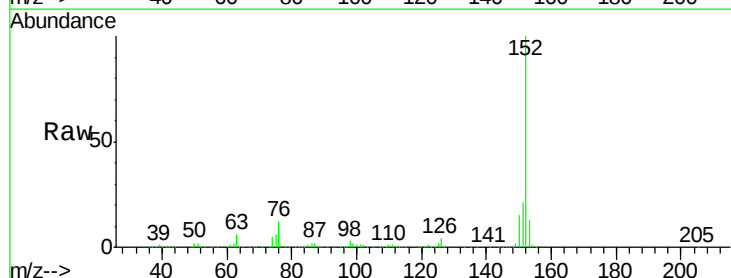
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

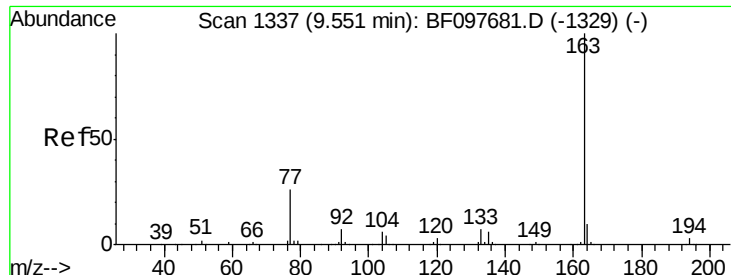
Tot Ion: 65 Resp: 221070
 Ion Ratio Lower Upper
 65 100
 92 67.9 53.9 80.9
 138 86.3 78.8 118.2



#48
 Acenaphthylene
 Concen: 29.11 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion: 152 Resp: 896999
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.8 25.2
 153 13.2 10.8 16.2

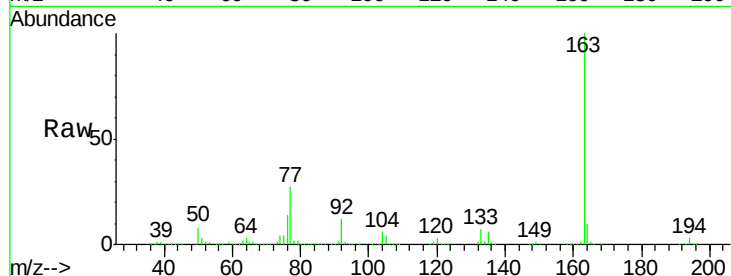




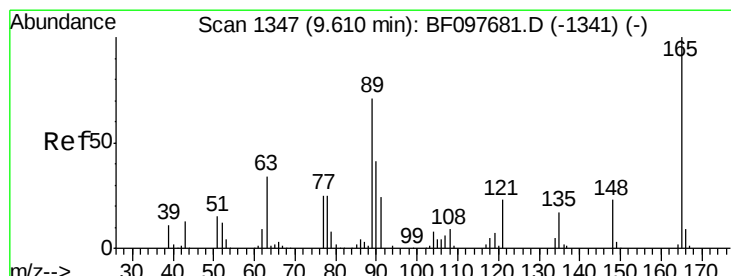
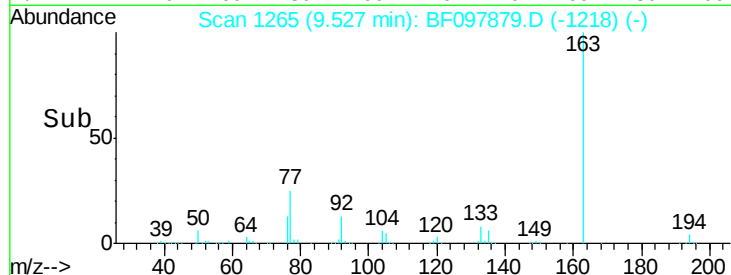
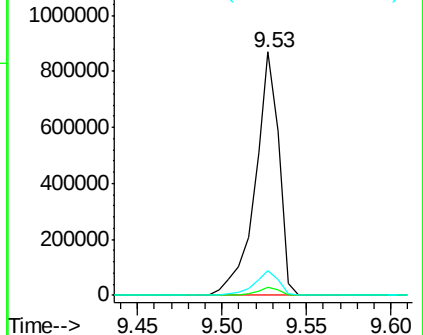
#49
Dimethylphthalate
Concen: 39.87 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

Tot Ion:163 Resp: 848811
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.3 8.4 12.6

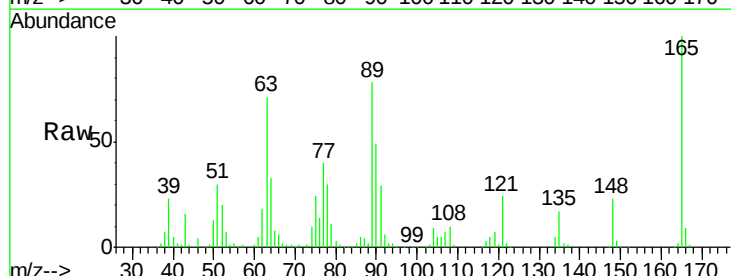


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

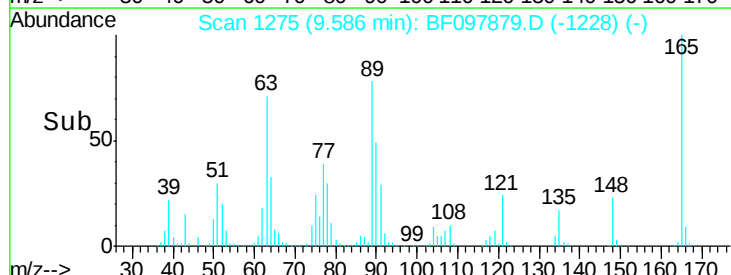
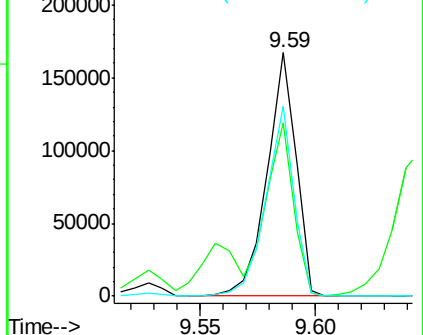


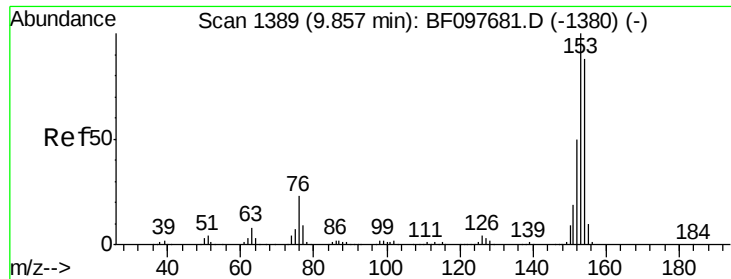
#50
2,6-Dinitrotoluene
Concen: 34.32 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:165 Resp: 145836
Ion Ratio Lower Upper
165 100
63 71.3 34.3 51.5#
89 78.2 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: 28.05 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

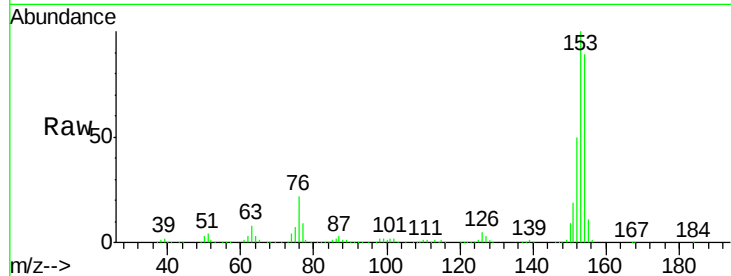
Tot Ion:154 Resp: 545095

Ion Ratio Lower Upper

154 100

153 111.8 90.5 135.7

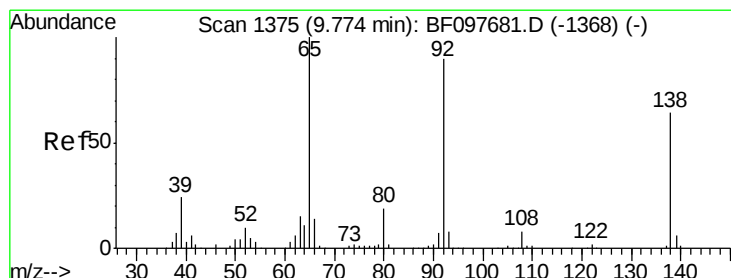
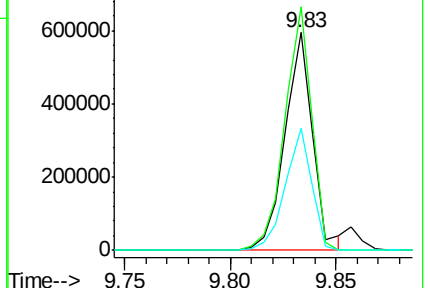
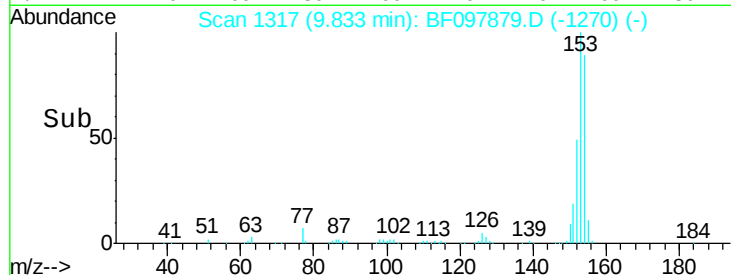
152 55.9 43.6 65.4



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: 21.13 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

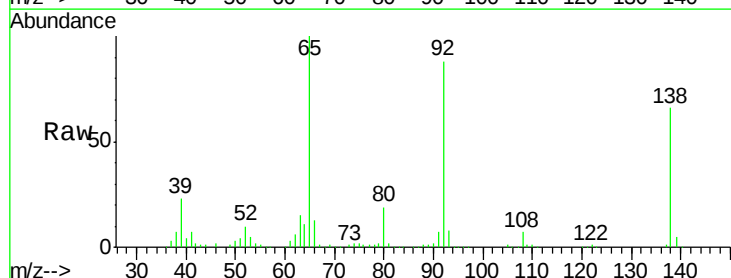
Tgt Ion:138 Resp: 115849

Ion Ratio Lower Upper

138 100

108 10.9 9.1 13.7

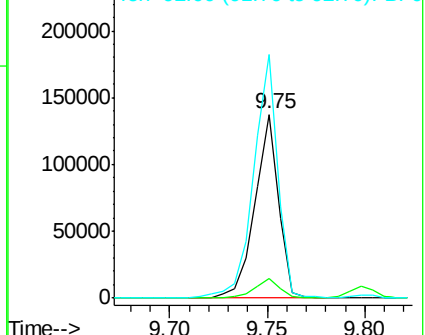
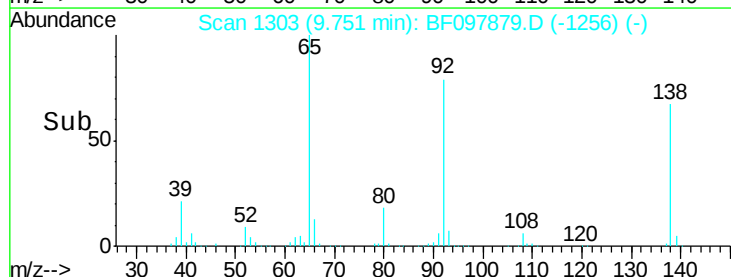
92 132.5 93.8 140.6

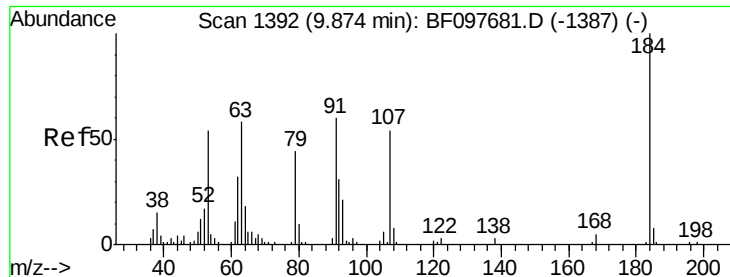


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

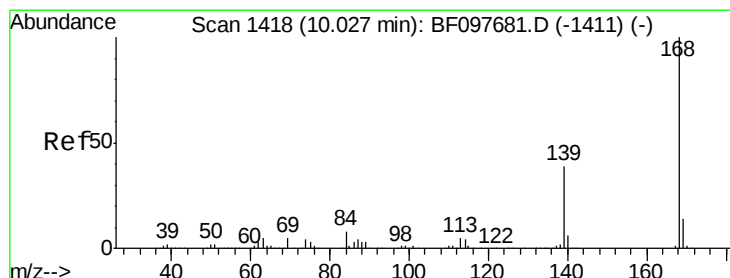
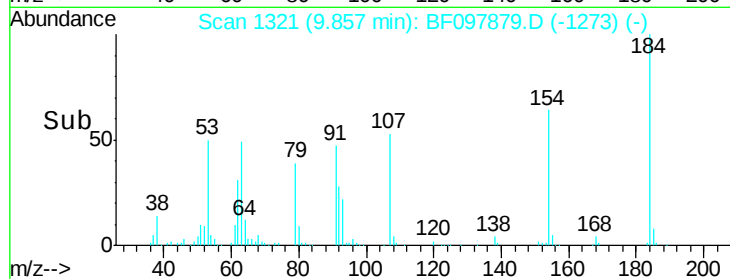
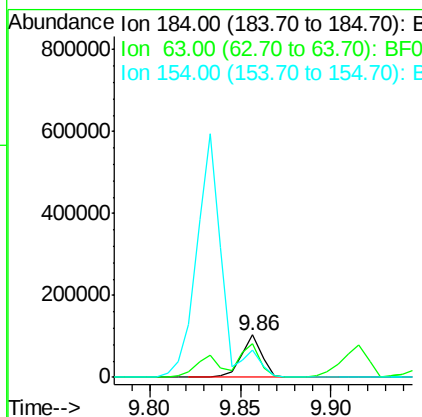
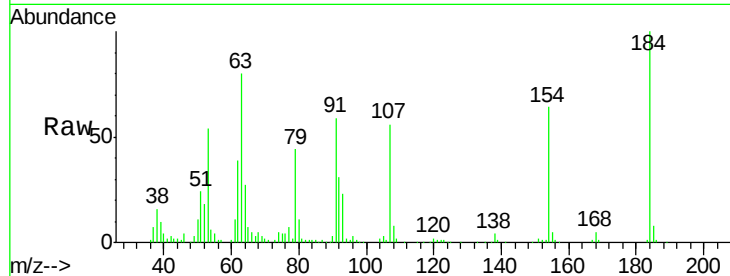




#53
 2,4-Dinitrophenol
 Concen: 45.24 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

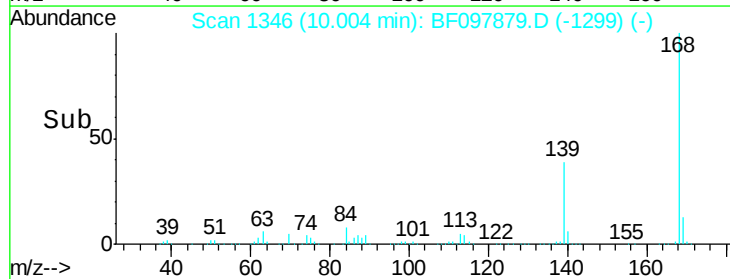
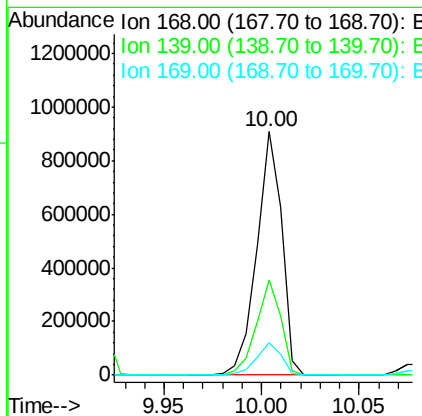
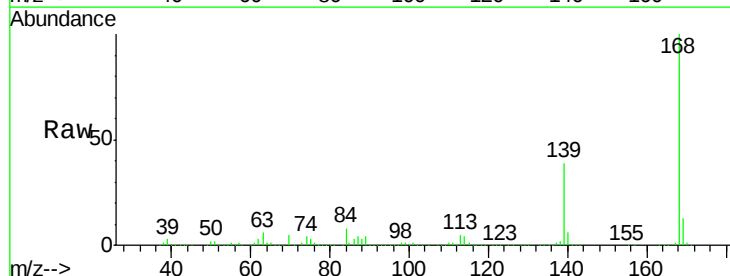
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

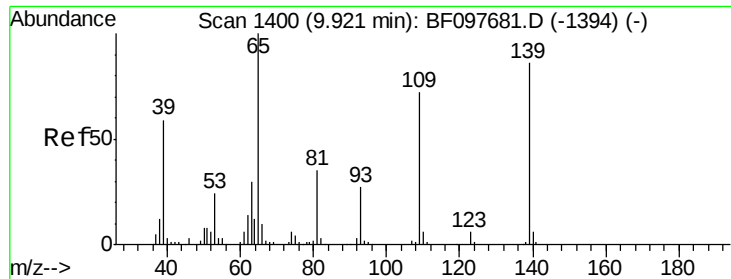
Tot Ion:184 Resp: 81257
 Ion Ratio Lower Upper
 184 100
 63 79.6 62.7 94.1
 154 63.5 81.1 121.7#



#54
 Dibenzofuran
 Concen: 30.92 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:168 Resp: 805412
 Ion Ratio Lower Upper
 168 100
 139 39.1 30.6 45.8
 169 13.4 10.8 16.2

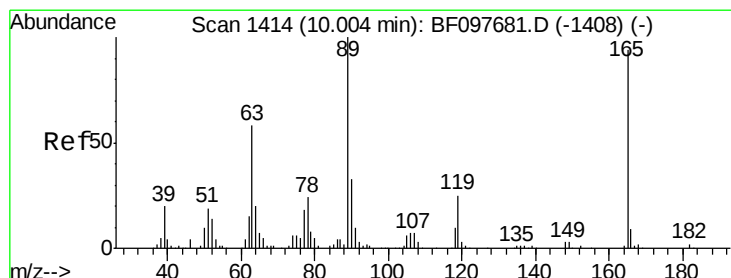
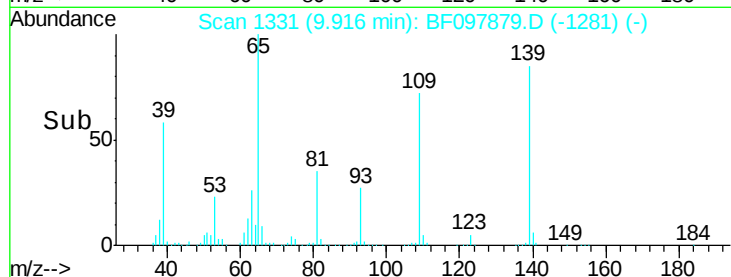
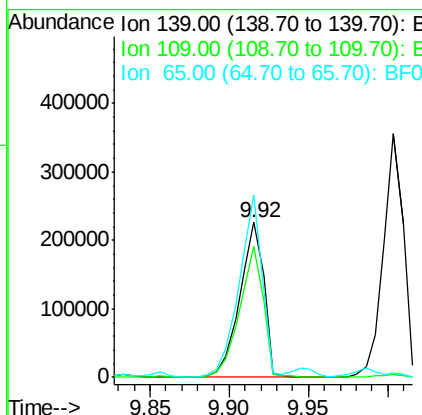
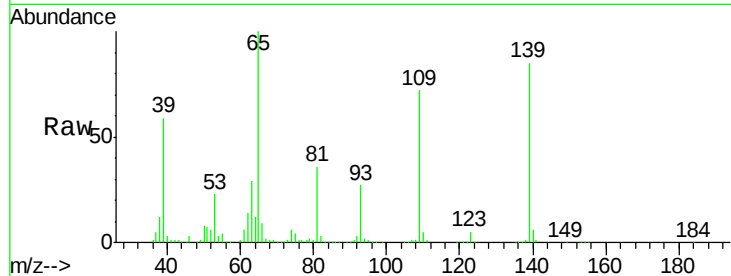




#55
4-Nitrophenol
Concen: 54.46 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

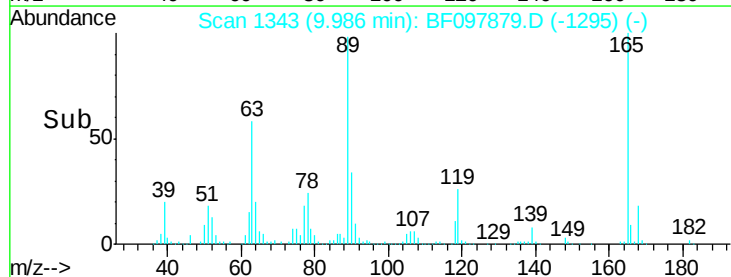
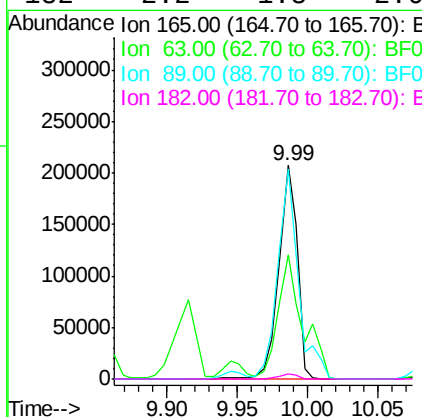
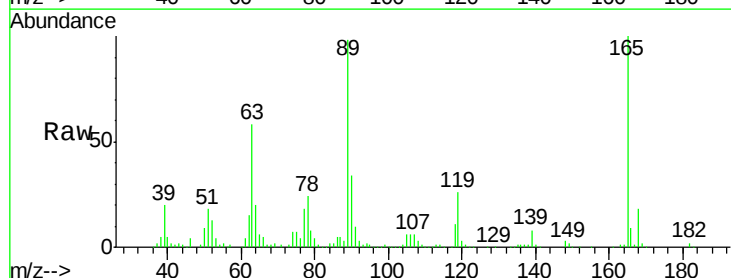
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

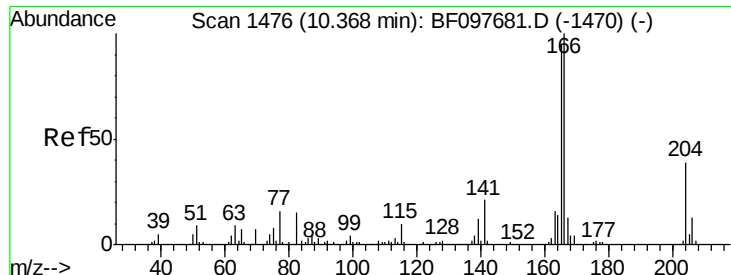
Tot Ion:139 Resp: 238167
Ion Ratio Lower Upper
139 100
109 84.8 34.1 74.1#
65 117.5 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 35.59 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:165 Resp: 189794
Ion Ratio Lower Upper
165 100
63 58.3 25.4 38.0#
89 98.4 46.4 69.6#
182 2.2 1.8 2.6





#57

Fluorene

Concen: 28.40 ng

RT: 10.34 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

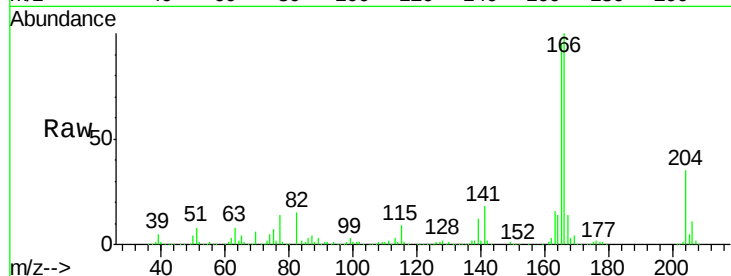
Tot Ion:166 Resp: 571948

Ion Ratio Lower Upper

166 100

165 94.9 78.8 118.2

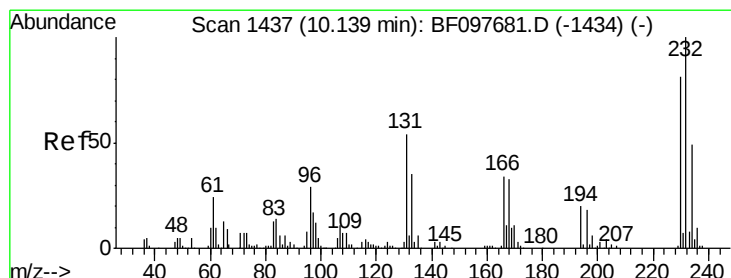
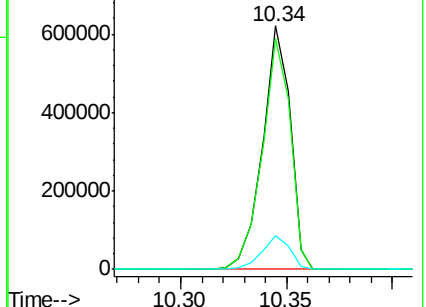
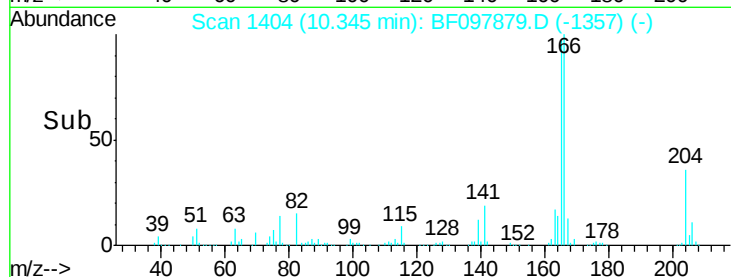
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.68 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Tgt Ion:232 Resp: 155247

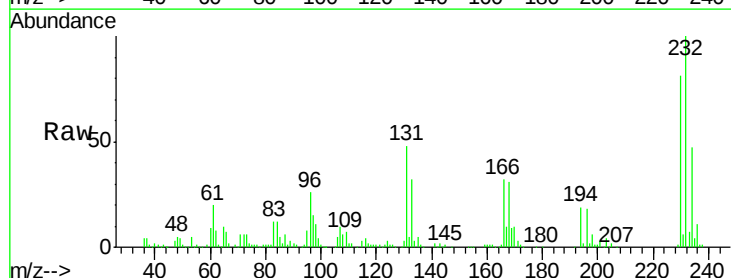
Ion Ratio Lower Upper

232 100

131 51.0 44.8 67.2

130 2.8 2.3 3.5

166 32.4 29.0 43.4

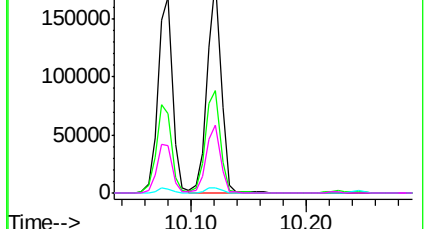
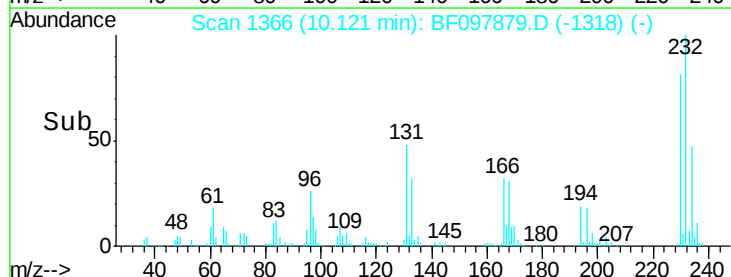


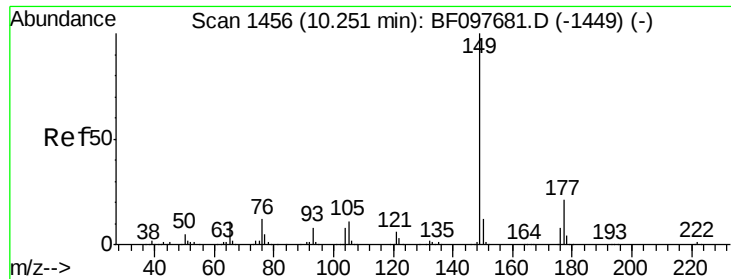
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

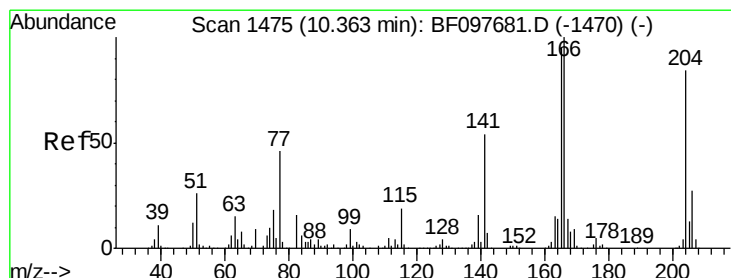
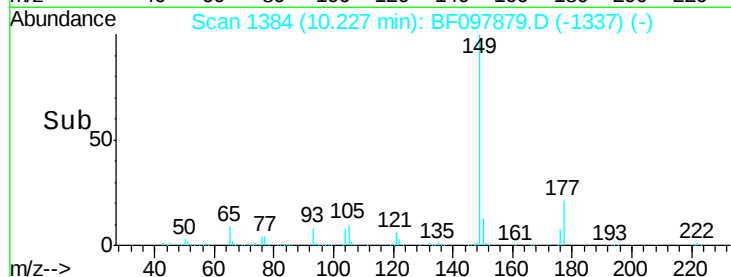
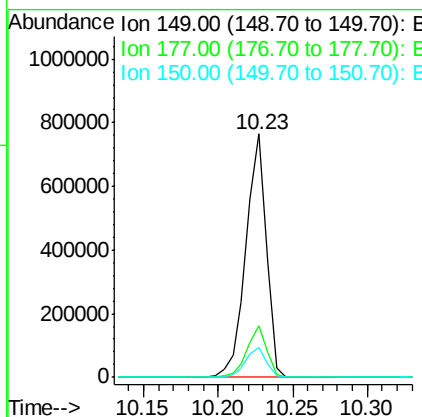
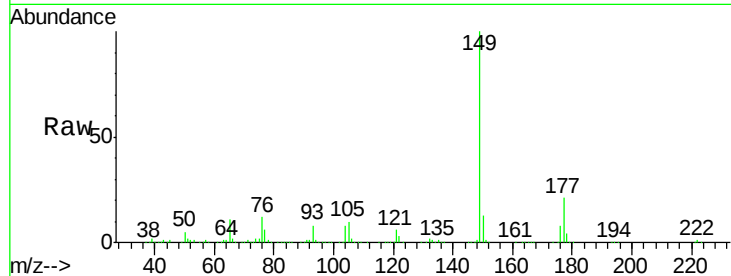




#59
Diethylphthalate
Concen: 32.58 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

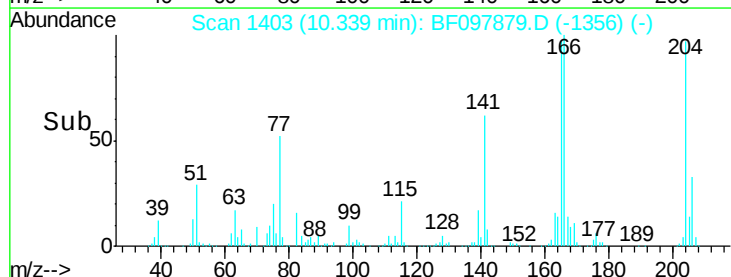
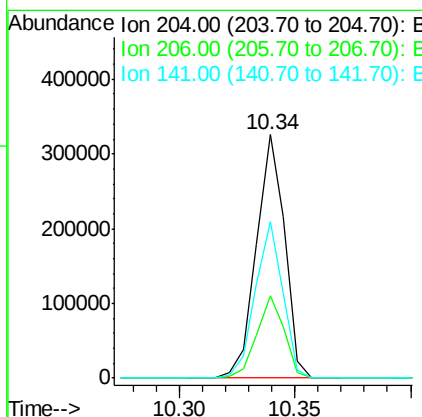
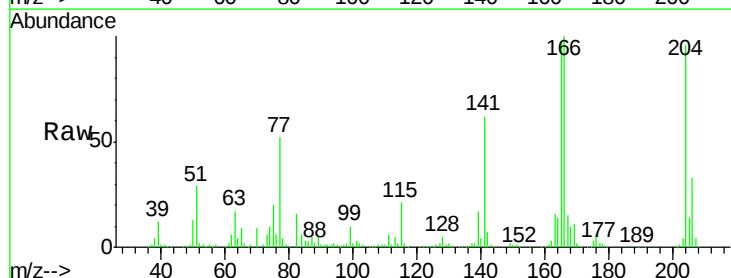
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

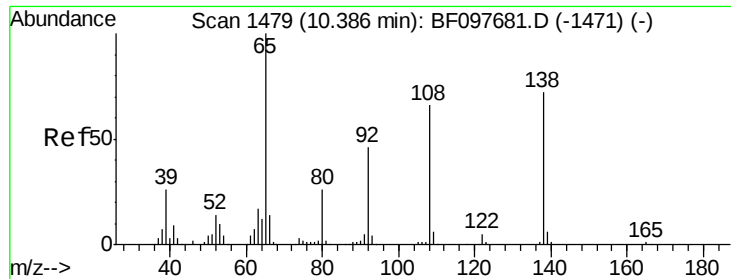
Tot Ion:149 Resp: 725229
Ion Ratio Lower Upper
149 100
177 21.2 16.7 25.1
150 12.5 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 29.80 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:204 Resp: 278783
Ion Ratio Lower Upper
204 100
206 34.0 26.2 39.2
141 64.2 60.8 91.2

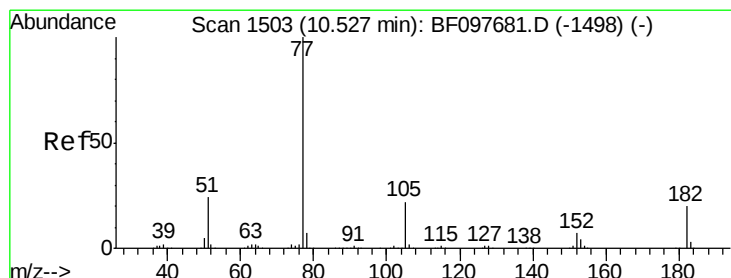
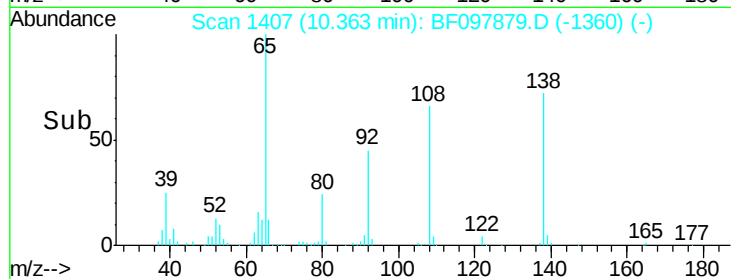
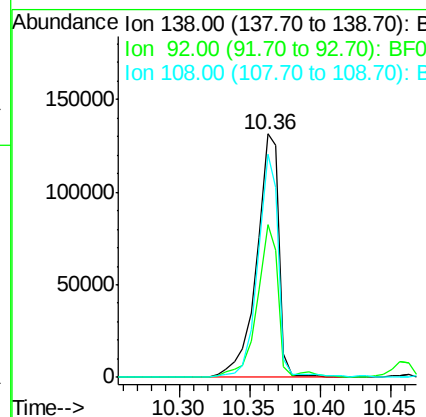
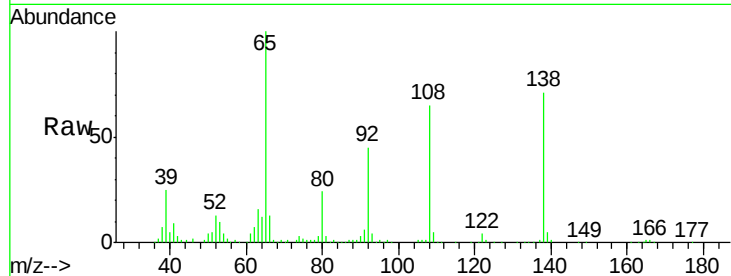




#61
 4-Nitroaniline
 Concen: 28.03 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

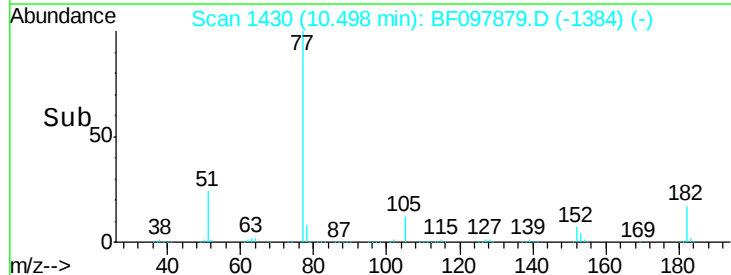
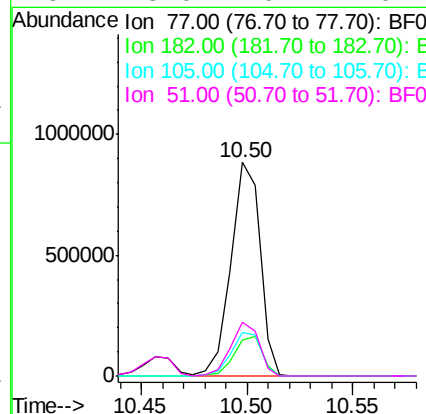
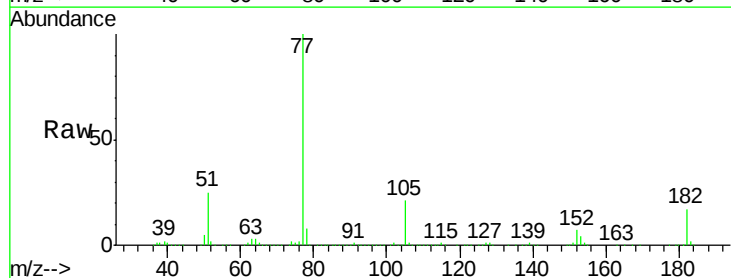
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

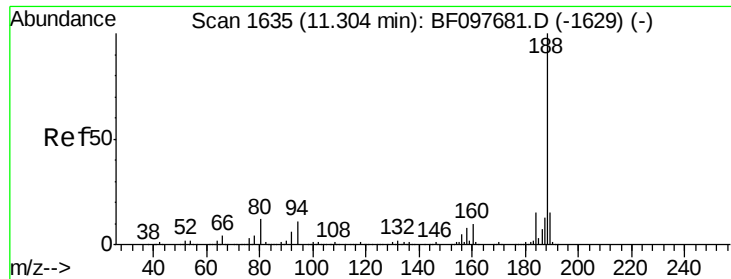
Tot Ion:138 Resp: 146058
 Ion Ratio Lower Upper
 138 100
 92 62.9 21.8 61.8#
 108 91.4 42.3 82.3#



#62
 Azobenzene
 Concen: 31.75 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.03 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion: 77 Resp: 839547
 Ion Ratio Lower Upper
 77 100
 182 16.6 0.1 40.1
 105 20.7 3.6 43.6
 51 25.0 9.4 49.4

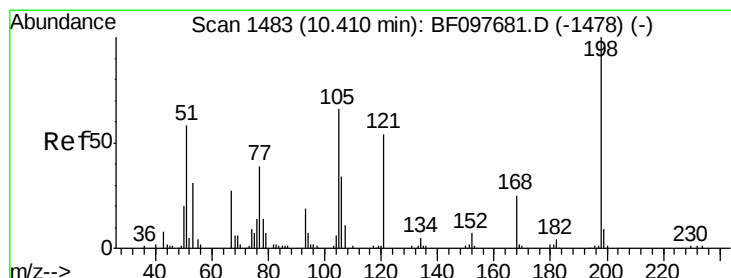
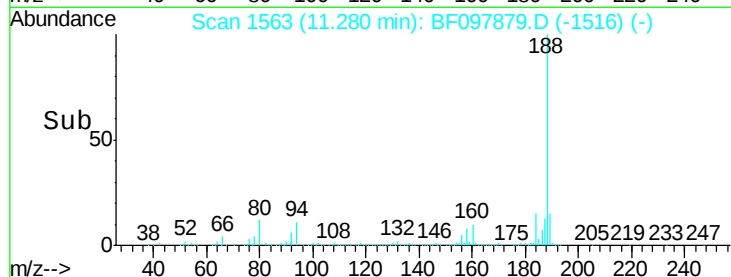
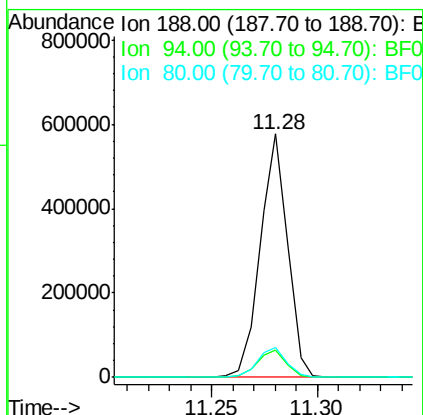
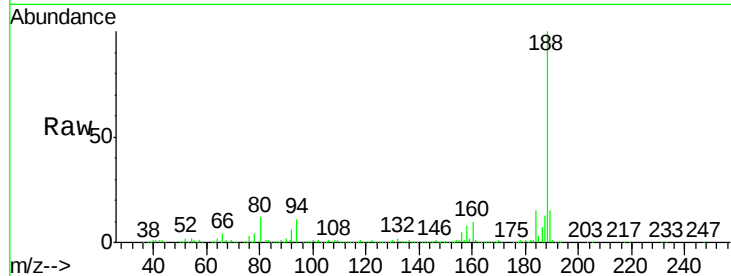




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

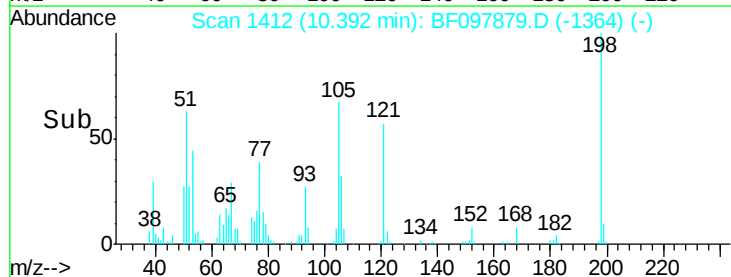
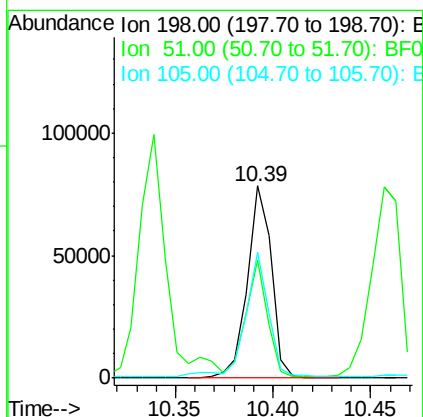
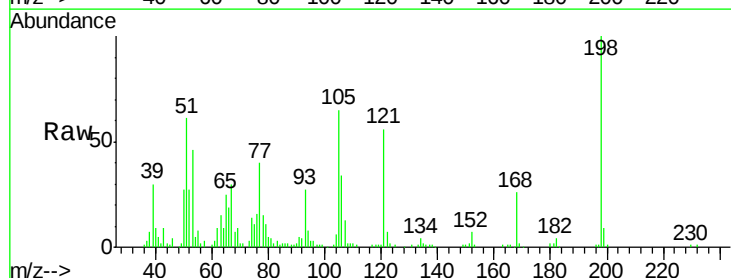
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

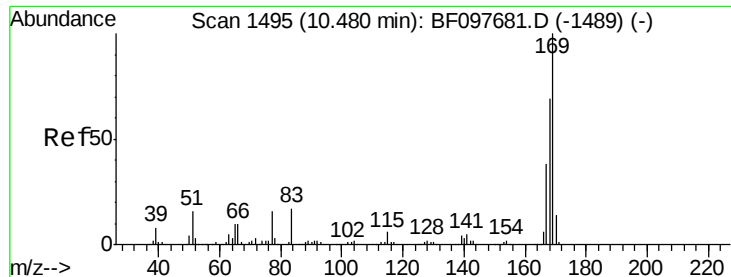
Tot Ion:188 Resp: 518919
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 12.4 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 31.11 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:198 Resp: 67420
Ion Ratio Lower Upper
198 100
51 61.4 53.2 93.2
105 65.2 45.8 85.8

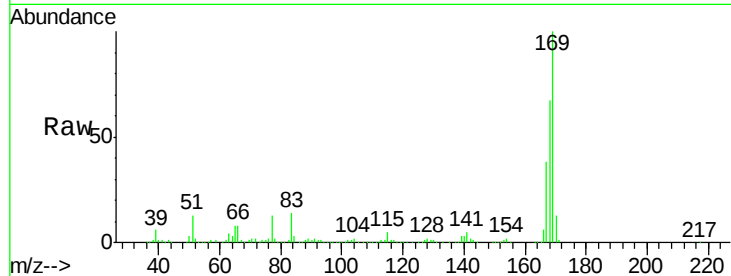




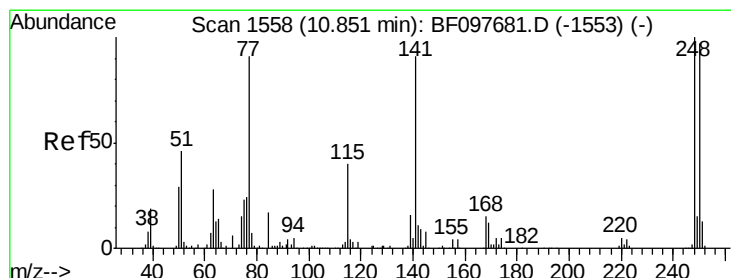
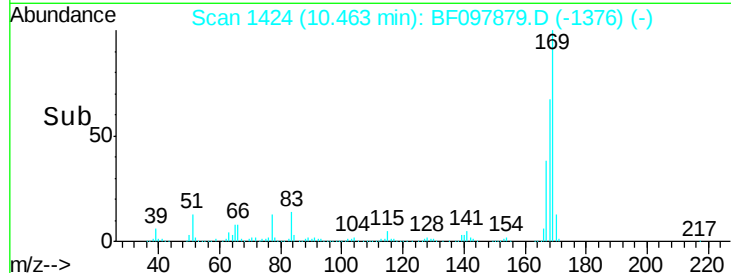
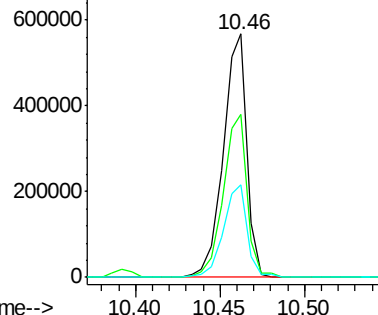
#65
 n-Nitrosodiphenylamine
 Concen: 31.21 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

Tot Ion:169 Resp: 551505
 Ion Ratio Lower Upper
 169 100
 168 66.8 53.2 79.8
 167 37.9 29.5 44.3

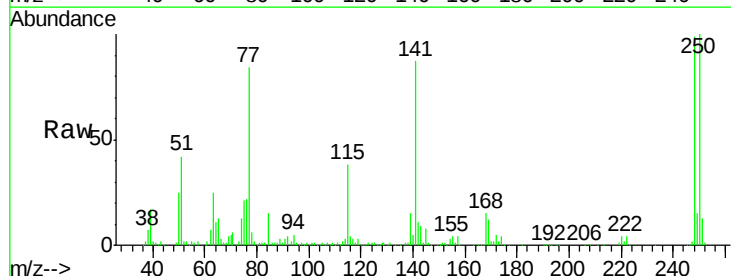


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

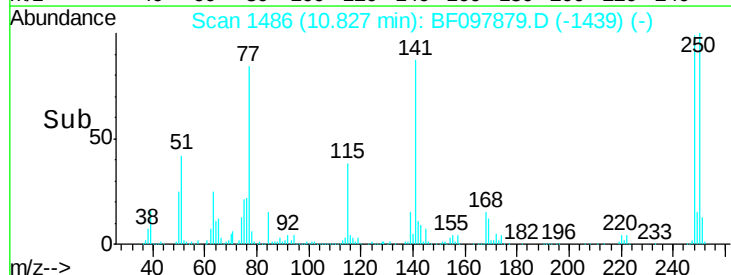
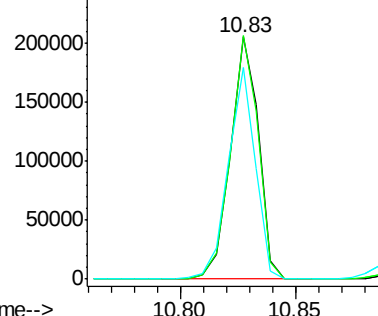


#66
 4-Bromophenyl-phenylether
 Concen: 32.35 ng
 RT: 10.83 min Scan# 1486
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:248 Resp: 174346
 Ion Ratio Lower Upper
 248 100
 250 100.7 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

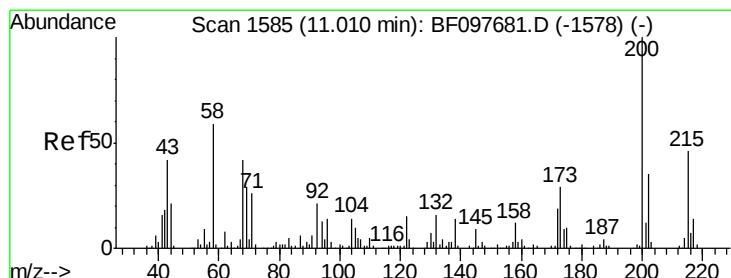
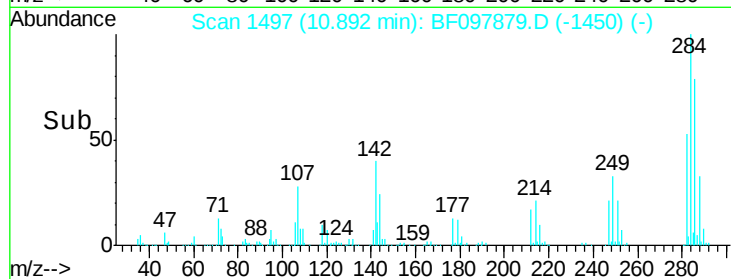
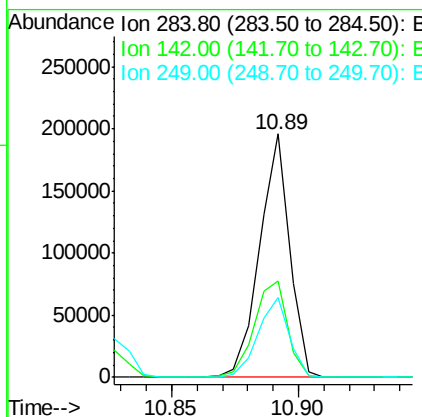
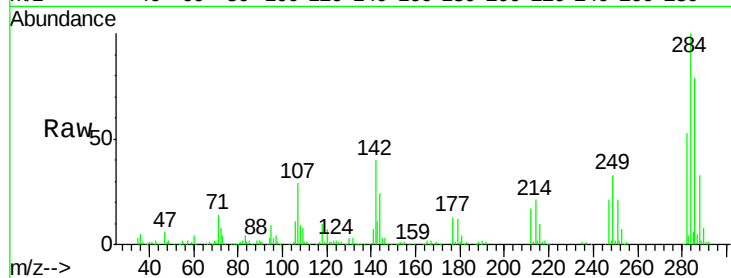




#67
Hexachlorobenzene
Concen: 29.34 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

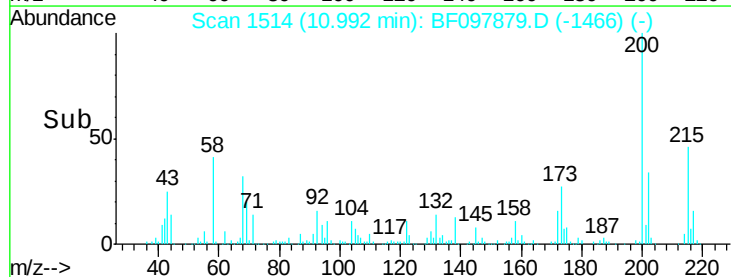
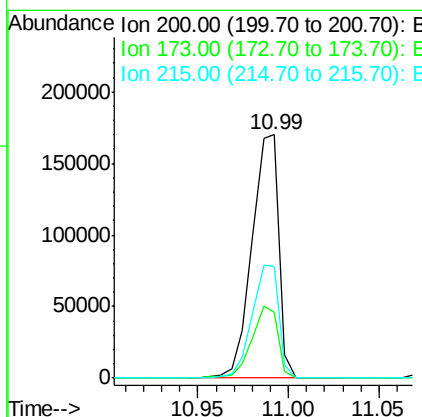
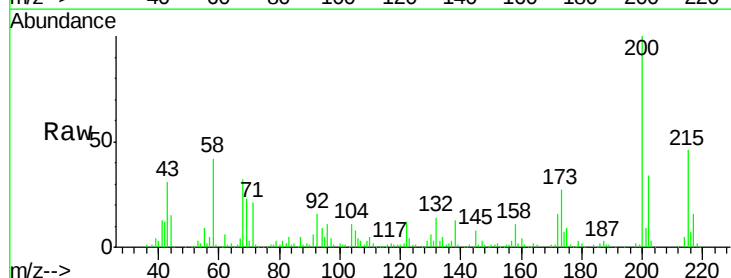
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

Tot Ion:284 Resp: 161172
Ion Ratio Lower Upper
284 100
142 39.8 22.8 34.2#
249 32.9 24.0 36.0



#68
Atrazine
Concen: 37.41 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:200 Resp: 175317
Ion Ratio Lower Upper
200 100
173 27.1 6.3 46.3
215 46.1 27.2 67.2

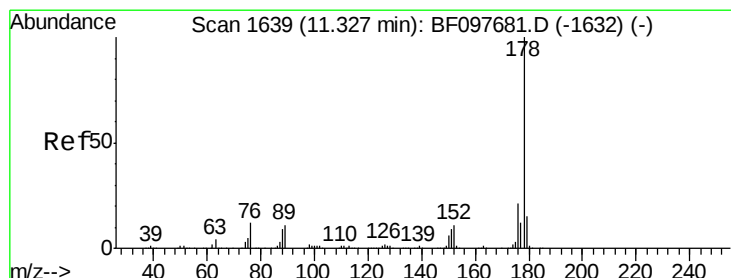
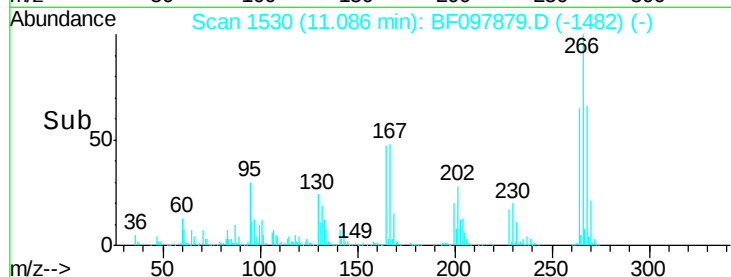
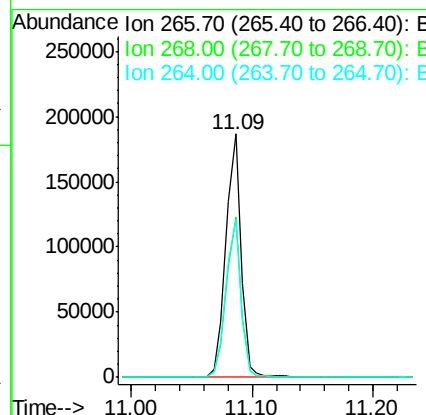
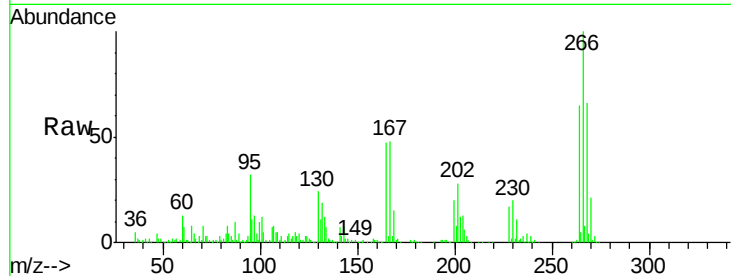




#69
 Pentachlorophenol
 Concen: 51.04 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

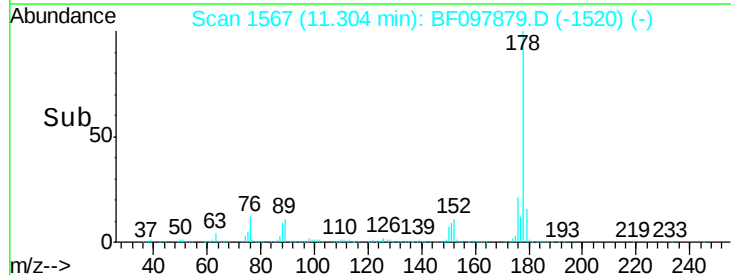
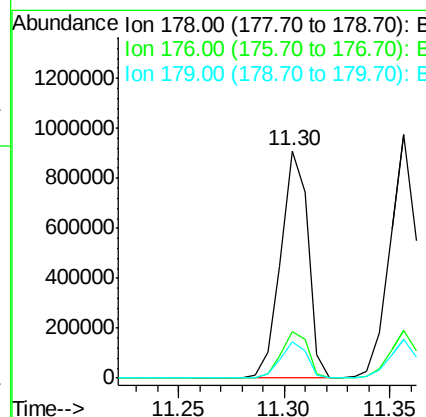
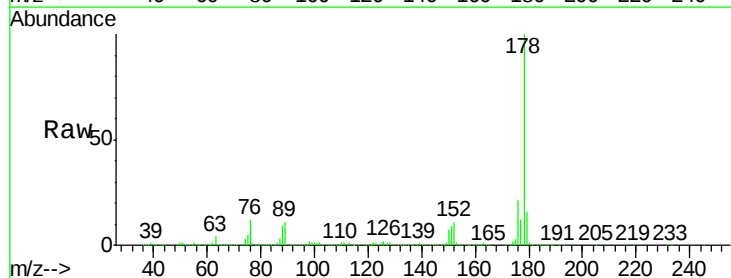
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

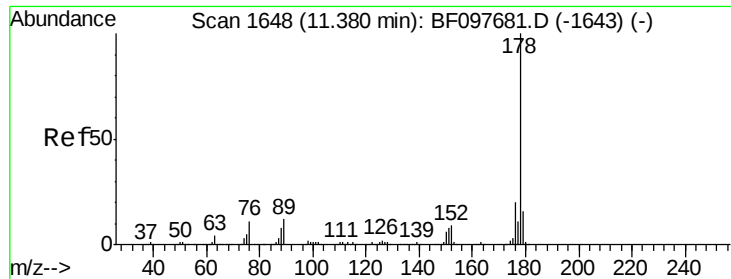
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.9	51.1	76.7
264	65.0	51.7	77.5



#70
 Phenanthrene
 Concen: 29.65 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	16.1	12.6	19.0

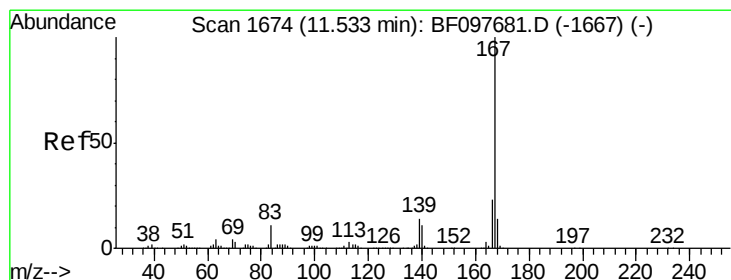
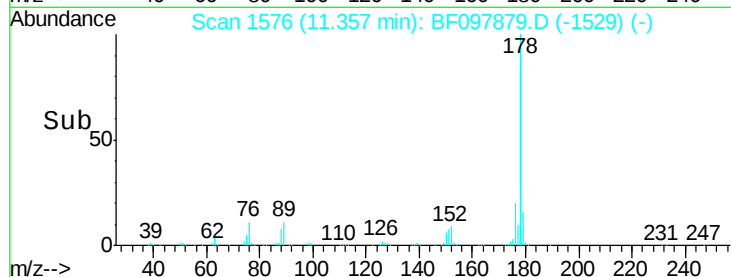
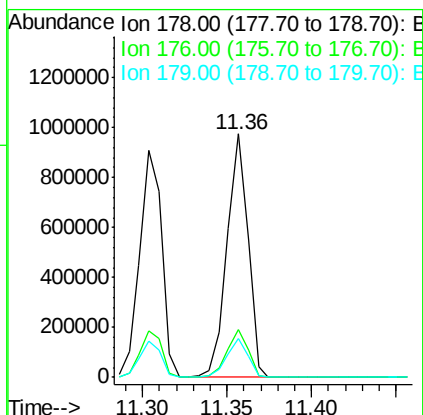
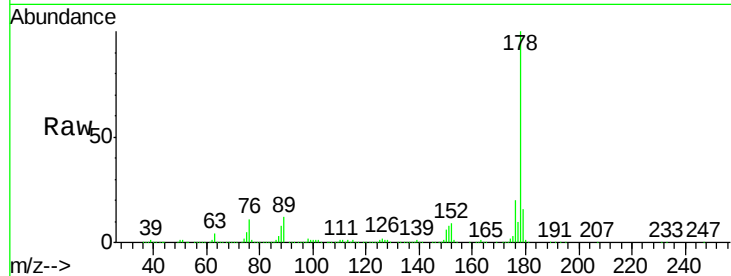




#71
 Anthracene
 Concen: 29.97 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

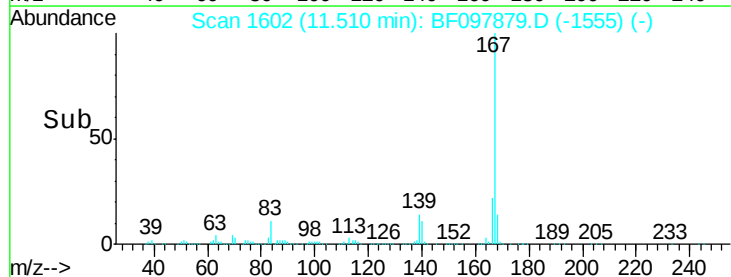
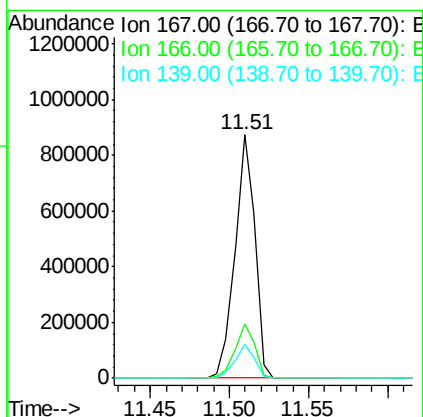
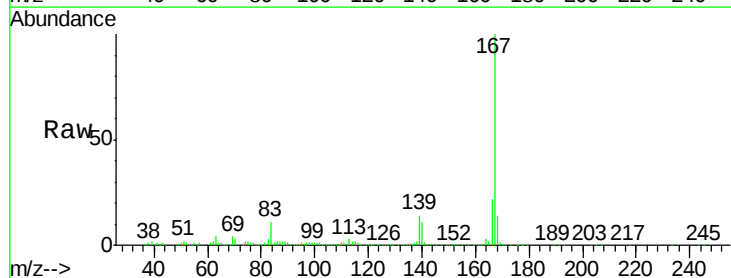
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

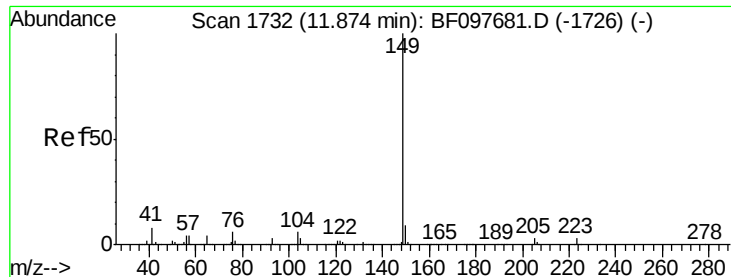
Tot Ion:178 Resp: 840653
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.7 12.7 19.1



#72
 Carbazole
 Concen: 28.65 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.02 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:167 Resp: 762785
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.1 27.1
 139 13.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 36.71 ng

RT: 11.84 min Scan# 1659

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

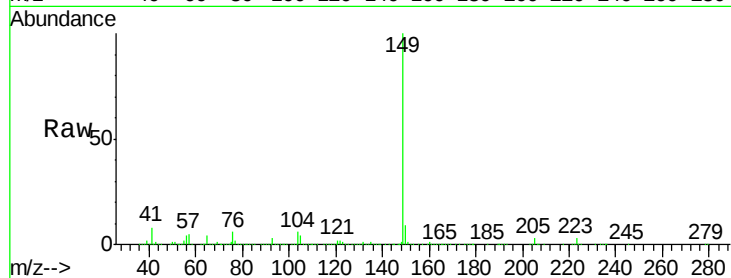
Tot Ion:149 Resp: 1125780

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

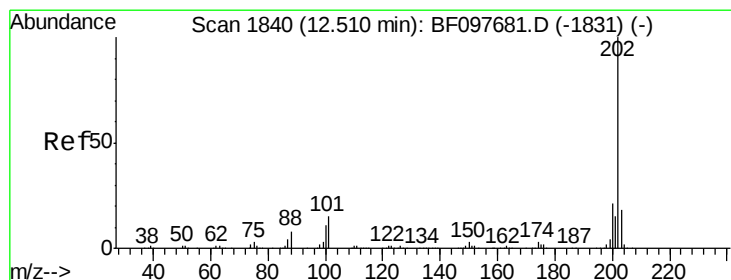
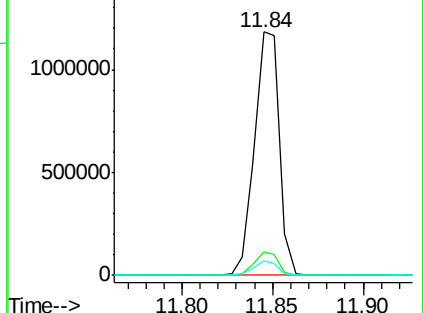
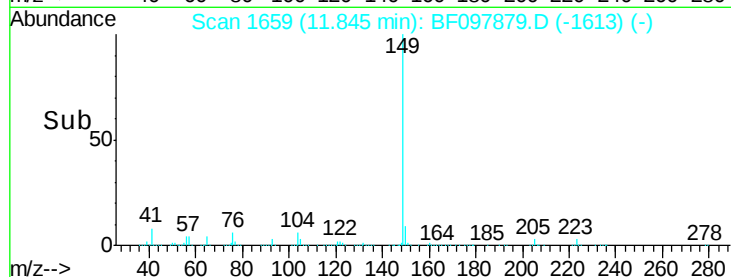
104 5.8 4.0 6.0



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: 26.95 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

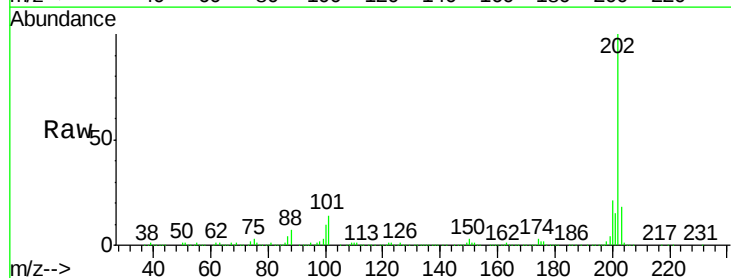
Tgt Ion:202 Resp: 777915

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

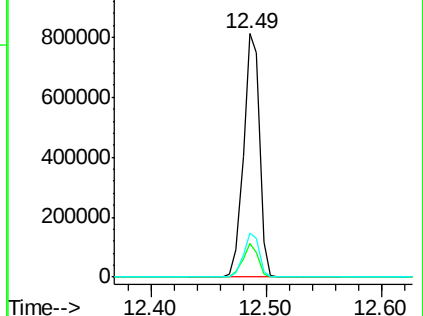
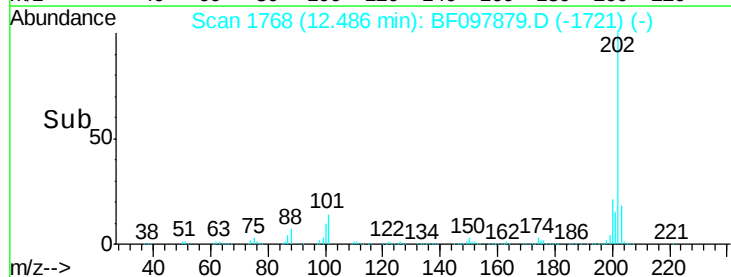
203 17.9 0.0 38.1

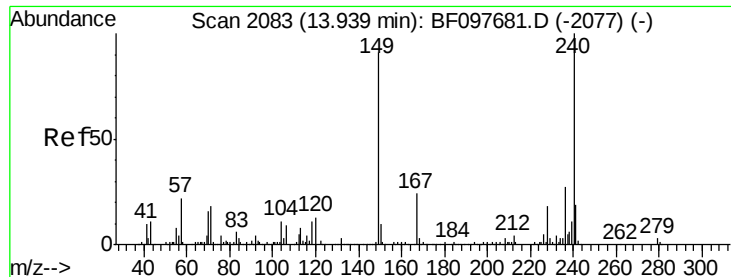


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

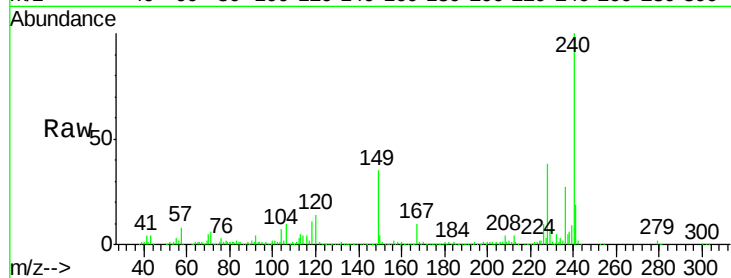
Tot Ion:240 Resp: 285159

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

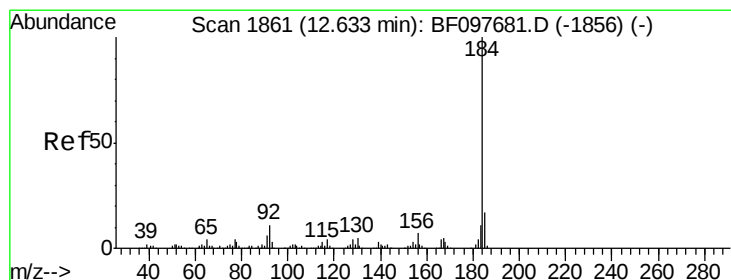
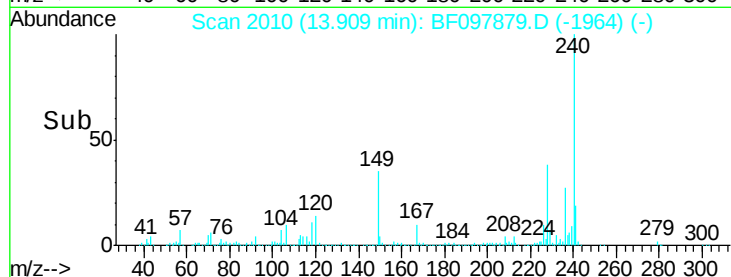
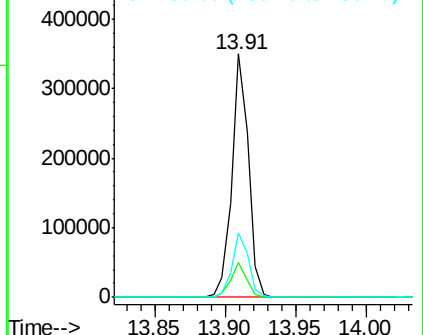
236 26.6 20.5 30.7



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: 23.32 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

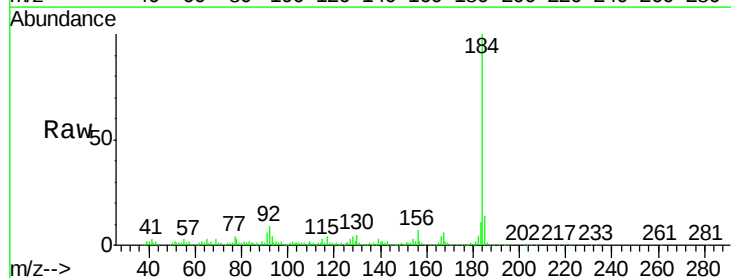
Tgt Ion:184 Resp: 218022

Ion Ratio Lower Upper

184 100

185 13.6 15.5 23.3#

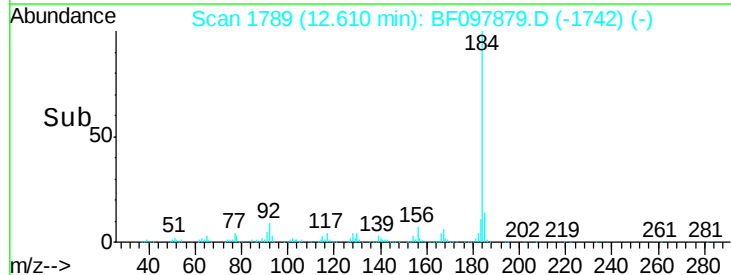
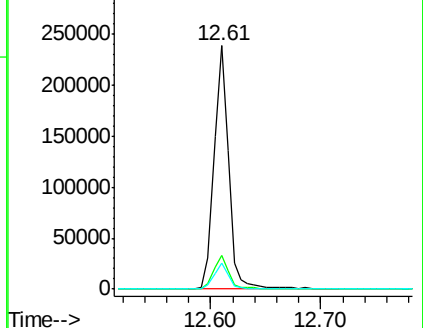
183 10.8 9.8 14.6

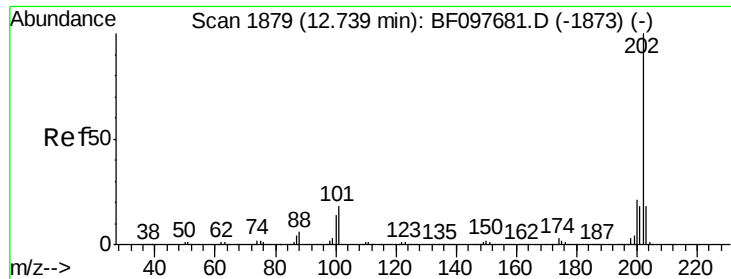


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

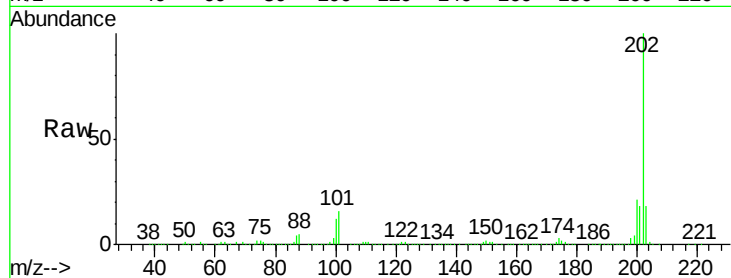




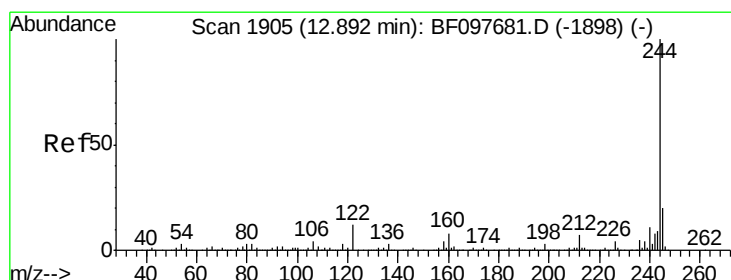
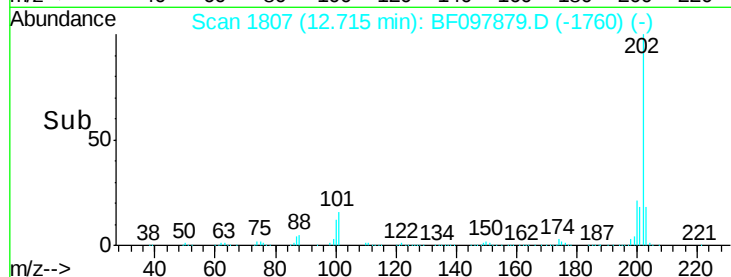
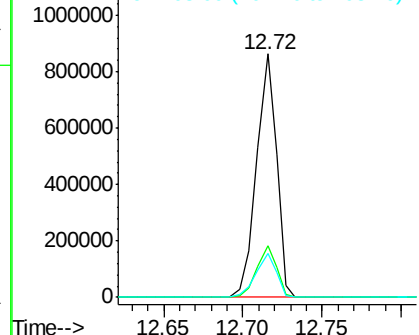
#77
Pvrene
Concen: 32.51 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6

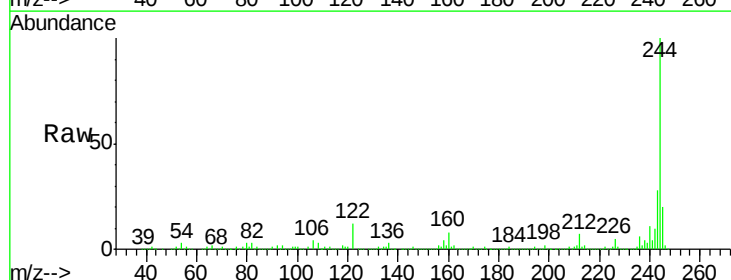


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

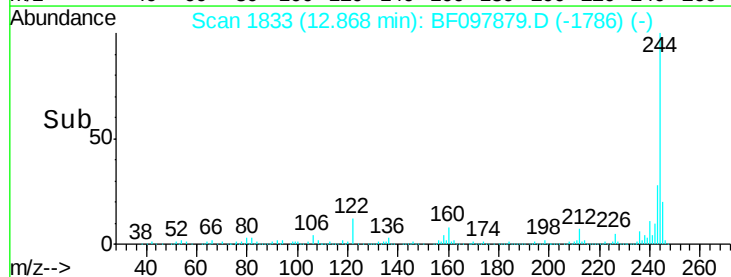
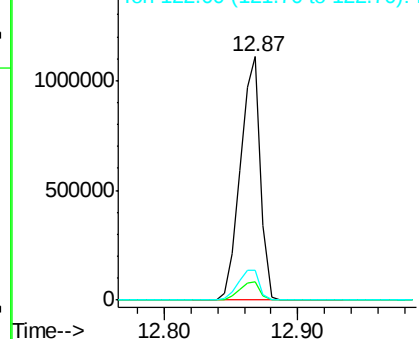


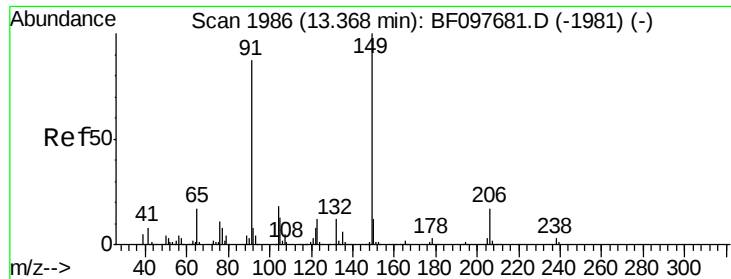
#78
Terphenyl-d14
Concen: 84.75 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.1	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

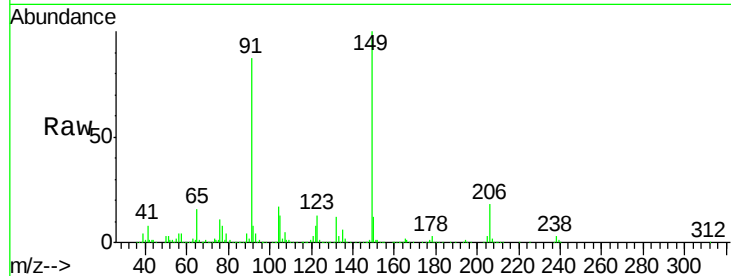




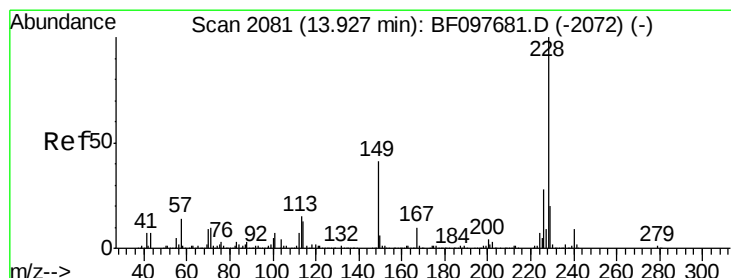
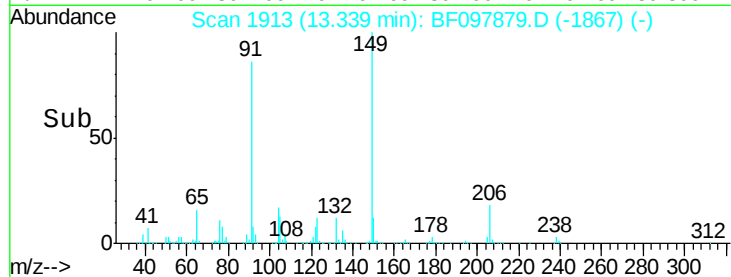
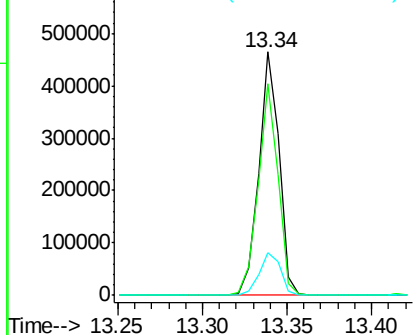
#79
Butylbenzylphthalate
Concen: 43.42 ng
RT: 13.34 min Scan# 1913
Delta R.T. -0.03 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

Tot Ion:149 Resp: 388216
Ion Ratio Lower Upper
149 100
91 86.7 45.0 67.4#
206 17.5 17.0 25.6

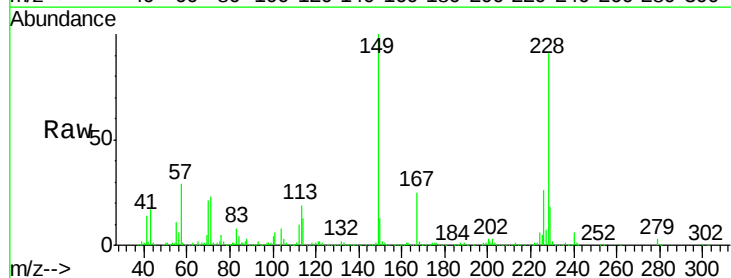


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

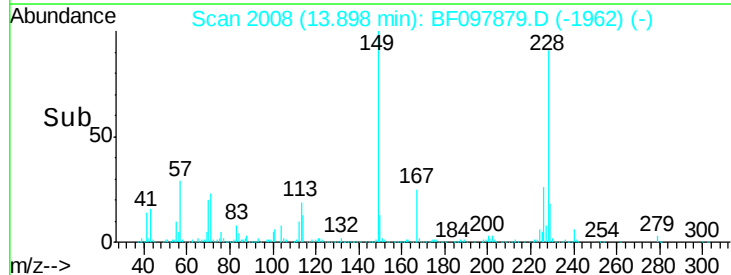
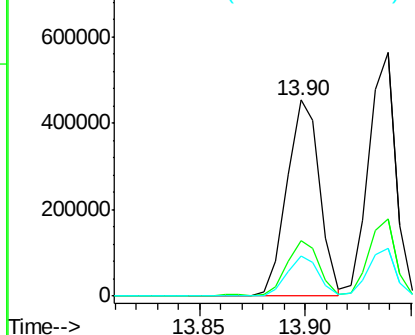


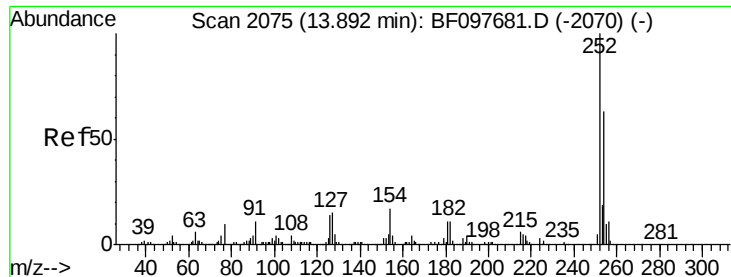
#80
Benzo(a)anthracene
Concen: 28.55 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:228 Resp: 488014
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 20.2 16.3 24.5



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





#81

3,3'-Dichlorobenzidine

Concen: 25.97 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

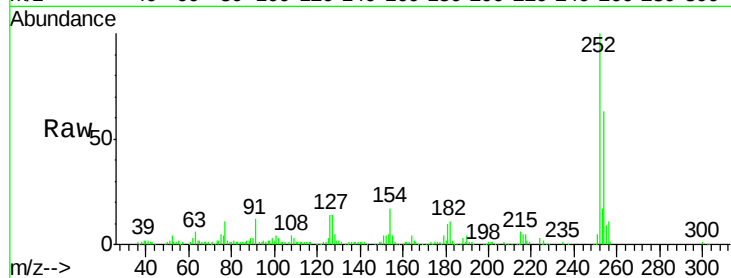
Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

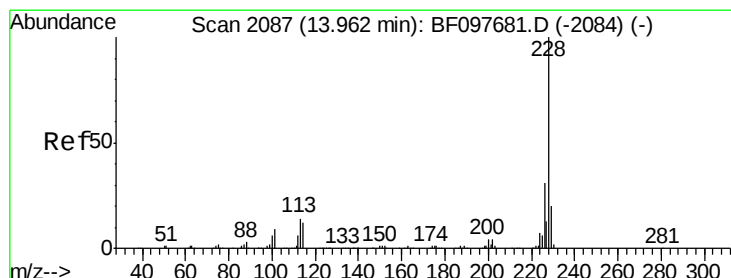
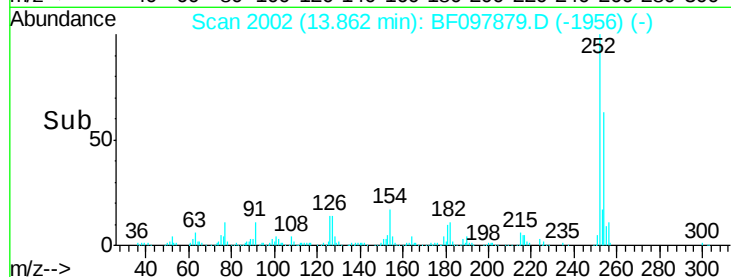
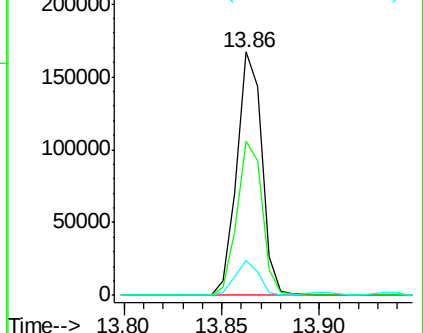
Tot Ion:252	Resp:	149795
Ion Ratio	Lower	Upper
252	100	
254	63.1	51.5 77.3
126	14.3	15.8 23.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 29.46 ng

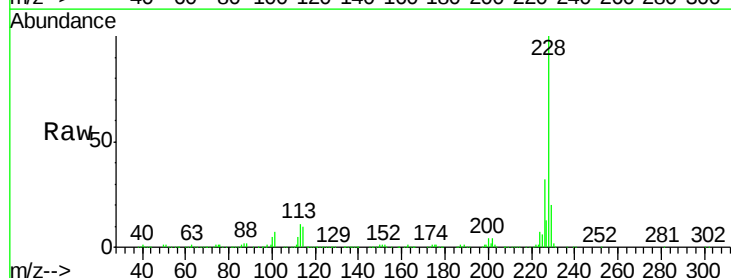
RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

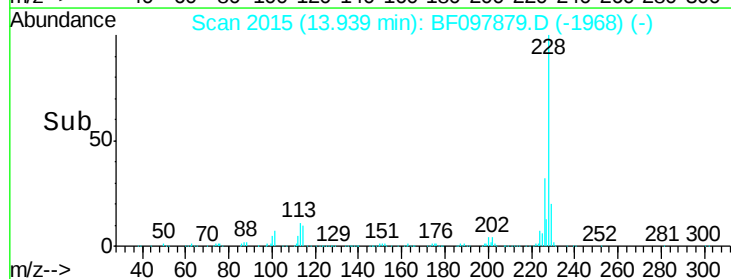
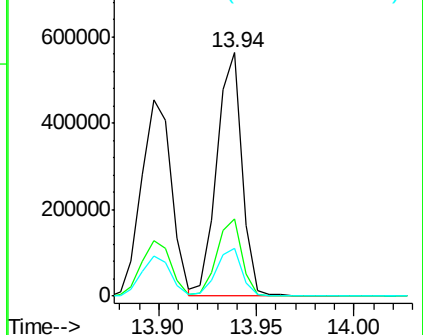
Tgt Ion:228	Resp:	500847
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.9 37.3
229	19.8	15.8 23.6

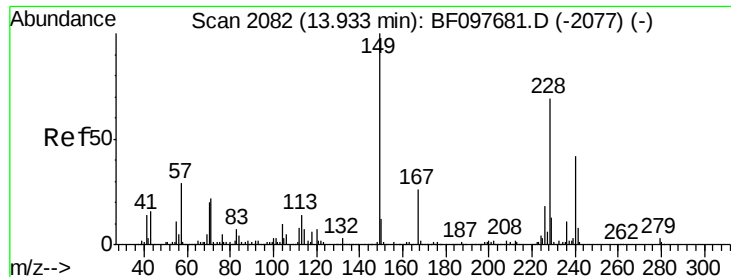


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

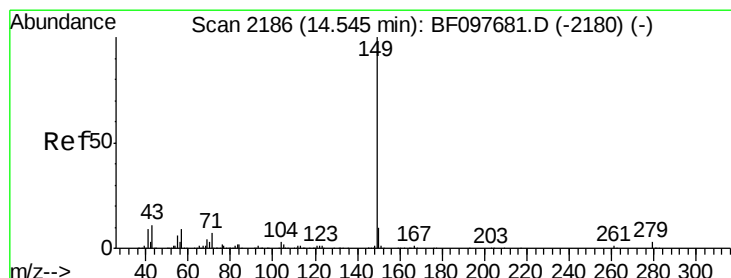
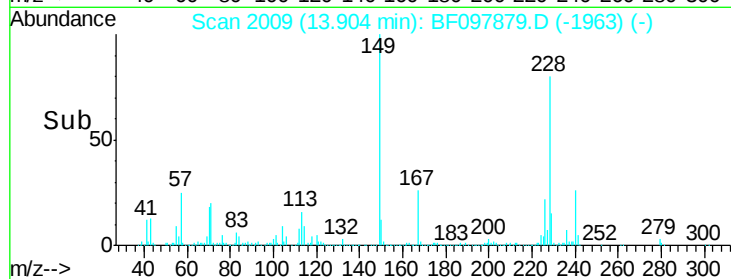
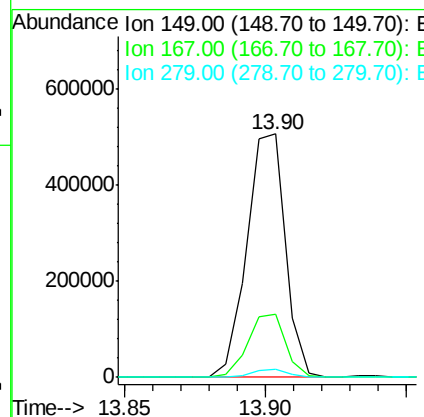
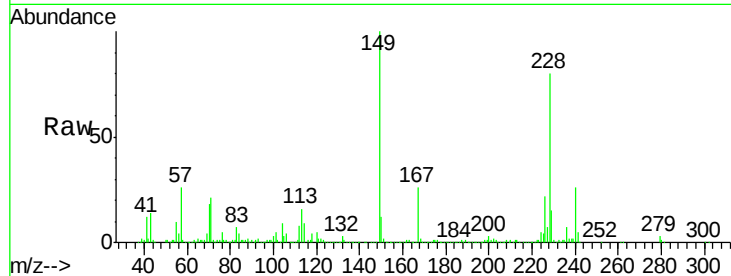




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.51 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.03 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

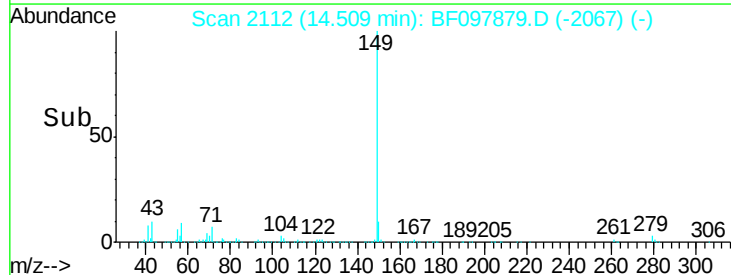
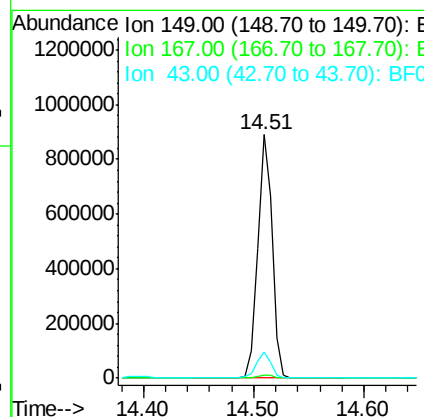
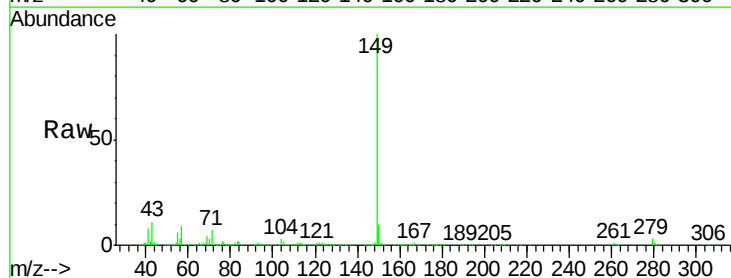
Instrument :
 BNA_F
 ClientSampleId :
 PI-2(3)MSD

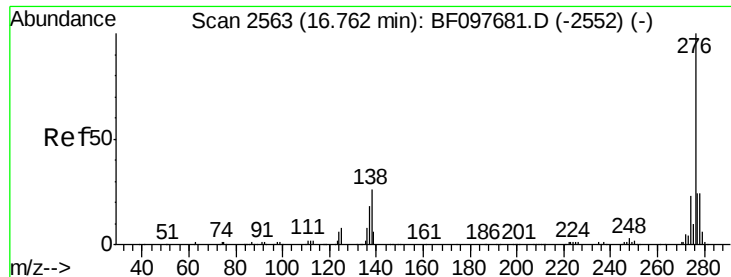
Tot Ion:149 Resp: 480649
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.0 31.4
 279 3.4 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 47.14 ng
 RT: 14.51 min Scan# 2112
 Delta R.T. -0.04 min
 Lab File: BF097879.D
 Acq: 19 Aug 2017 15:25

Tgt Ion:149 Resp: 812806
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.2 8.5 12.7

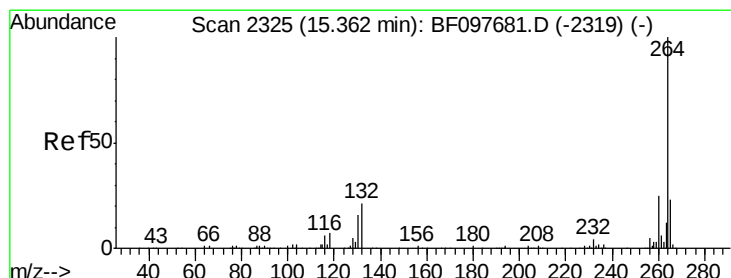
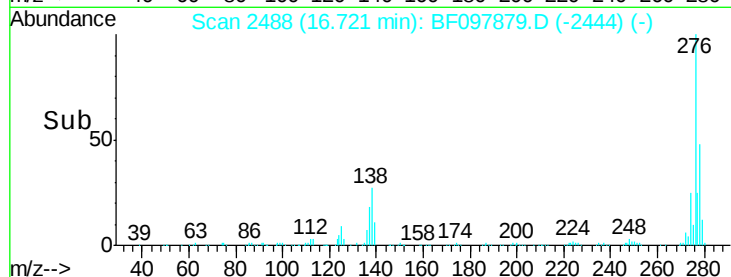
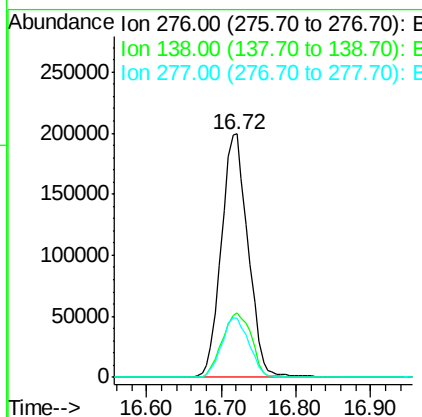
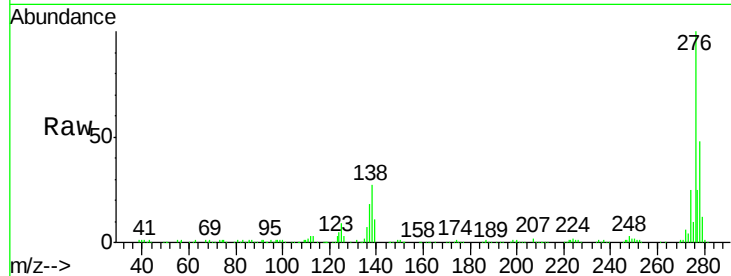




#85
Indeno(1,2,3-cd)pyrene
Concen: 39.91 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.04 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

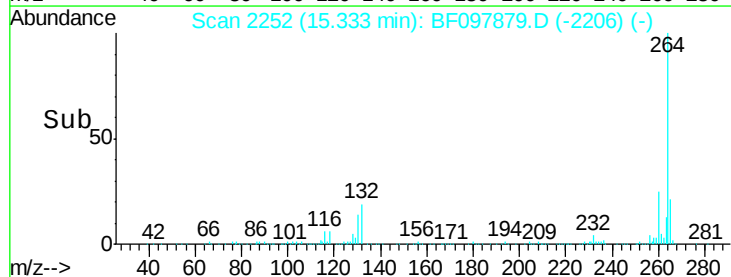
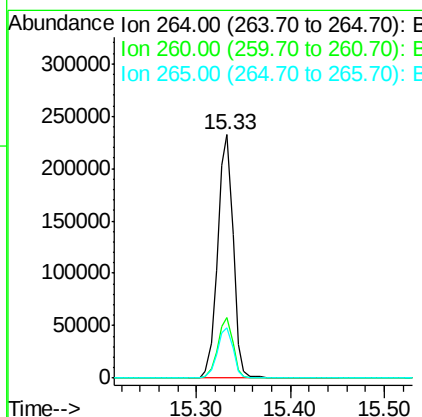
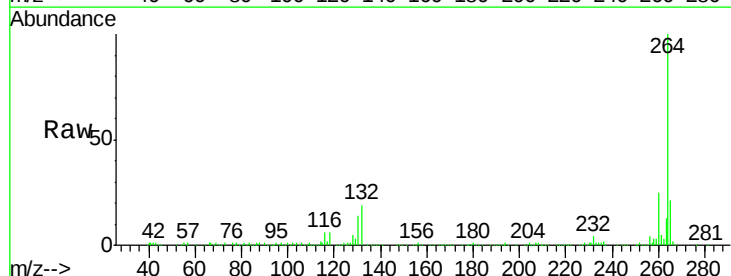
Instrument :
BNA_F
ClientSampleId :
PI-2(3)MSD

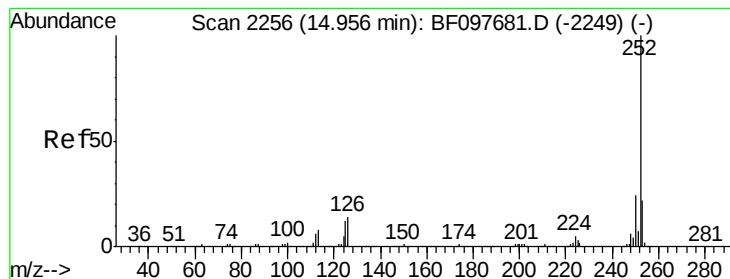
Tot Ion:276 Resp: 499171
Ion Ratio Lower Upper
276 100
138 28.8 27.8 41.6
277 25.4 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BF097879.D
Acq: 19 Aug 2017 15:25

Tgt Ion:264 Resp: 270085
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 20.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 29.13 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

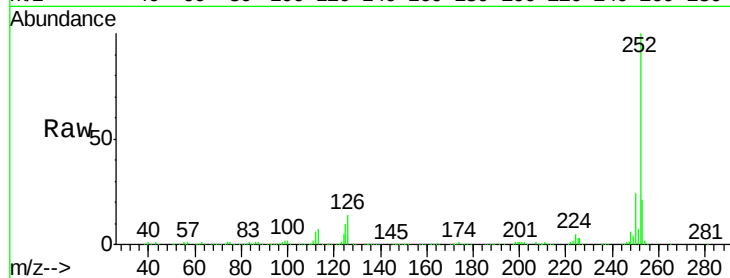
Tot Ion:252 Resp: 495945

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

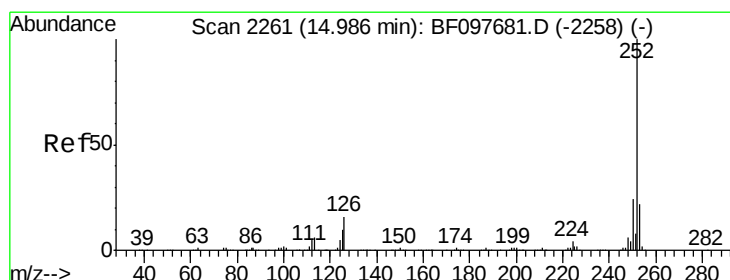
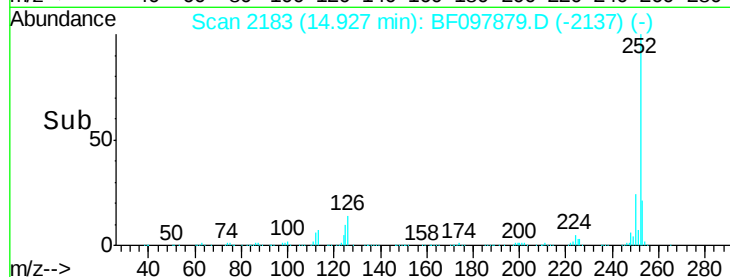
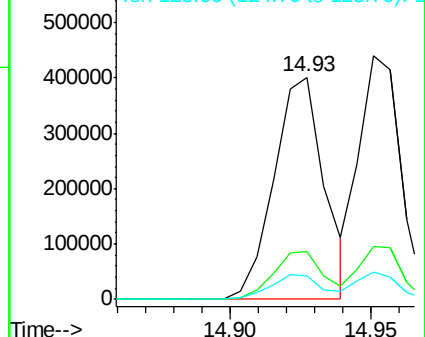
125 10.4 9.8 14.8



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: 28.08 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.04 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

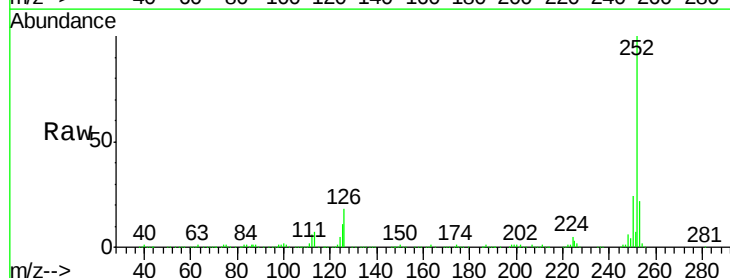
Tgt Ion:252 Resp: 449138

Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

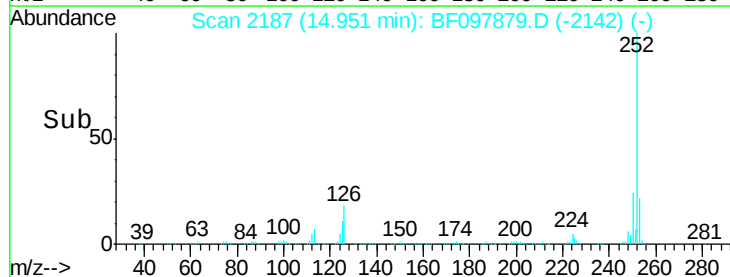
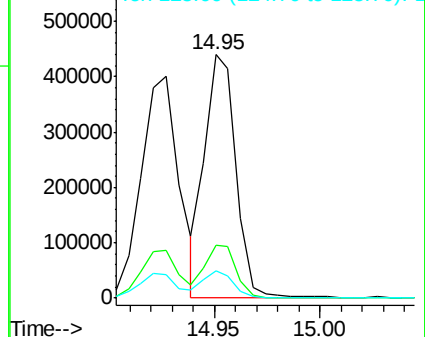
125 11.2 13.1 19.7#

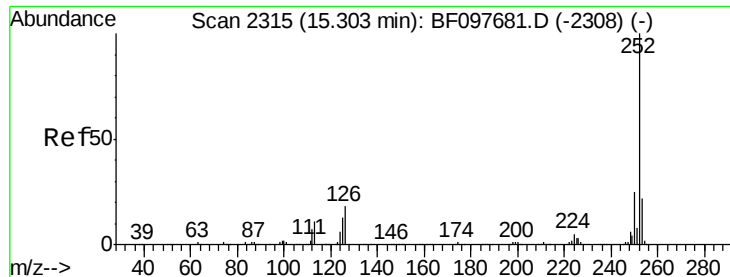


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 31.30 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.03 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampled :

PI-2(3)MSD

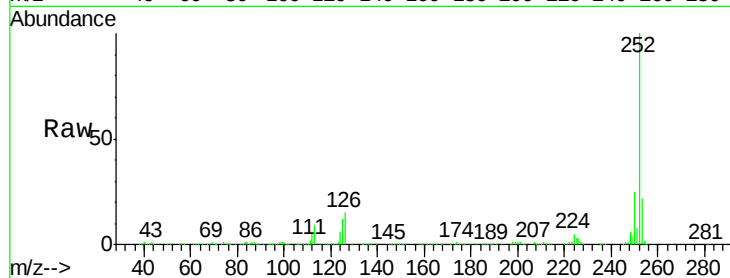
Tot Ion:252 Resp: 471699

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

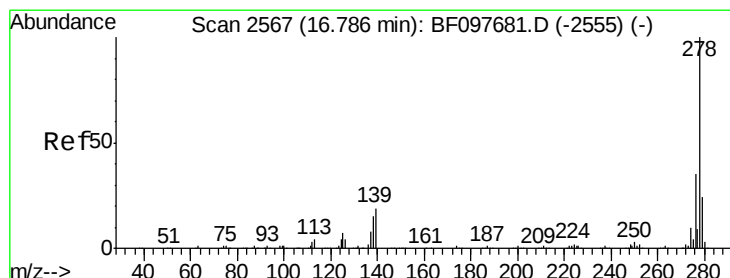
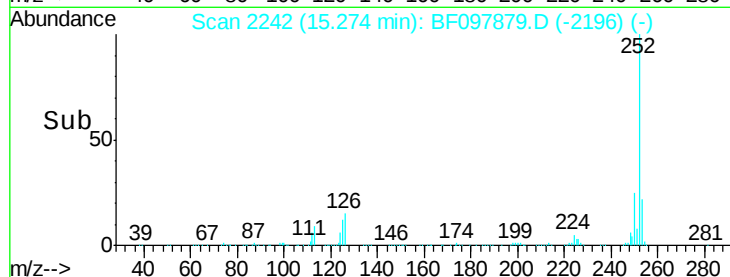
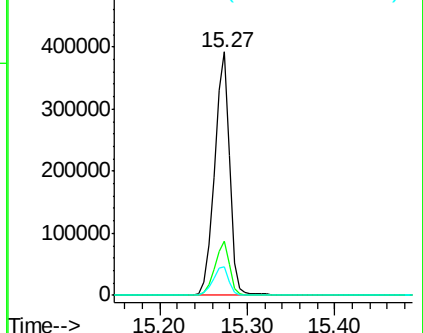
125 11.8 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 34.05 ng

RT: 16.74 min Scan# 2491

Delta R.T. -0.05 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

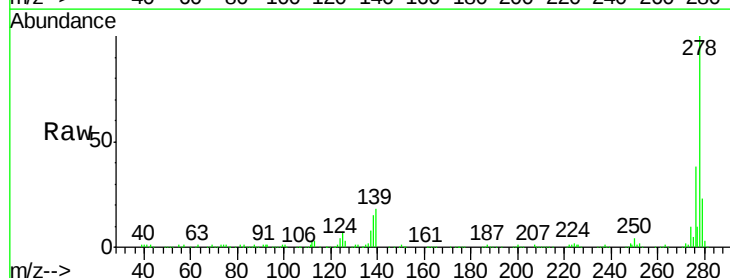
Tgt Ion:278 Resp: 417782

Ion Ratio Lower Upper

278 100

139 17.7 16.6 24.8

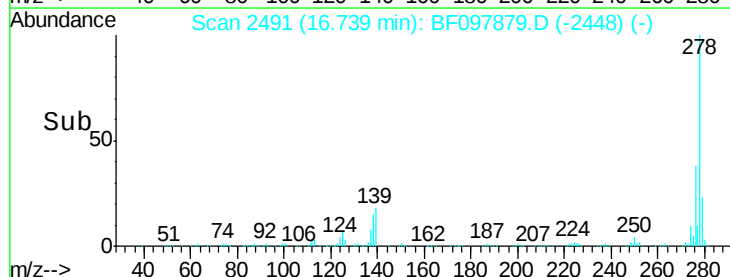
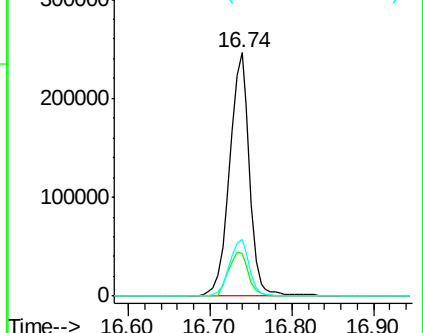
279 23.0 19.3 28.9

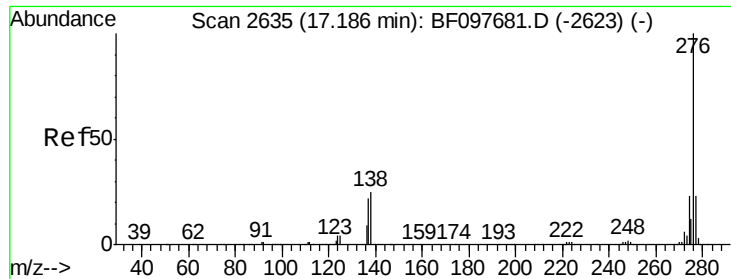


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 32.15 ng

RT: 17.14 min Scan# 2559

Delta R.T. -0.05 min

Lab File: BF097879.D

Acq: 19 Aug 2017 15:25

Instrument :

BNA_F

ClientSampleId :

PI-2(3)MSD

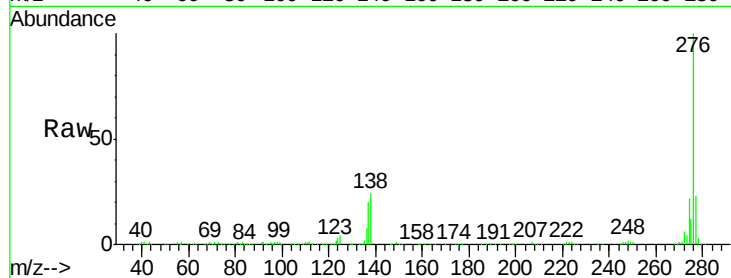
Tot Ion:276 Resp: 411546

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 24.1 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

