

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081139.D
 Acq On : 20 Aug 2015 22:46
 Operator : UM/IZ
 Sample : G3350-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Quant Time: Aug 21 01:38:50 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	59323	20.00	ng	0.01
21) Naphthalene-d8	7.90	136	143929	20.00	ng	0.02
38) Acenaphthene-d10	9.69	164	66961	20.00	ng	0.07
63) Phenanthrene-d10	11.16	188	123921	20.00	ng	0.07
75) Chrysene-d12	13.72	240	113111	20.00	ng	0.01
86) Perylene-d12	15.04	264	110350	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	482425	122.32	ng	0.01
7) Phenol-d6	6.23	99	580614	112.83	ng	0.00
23) Nitrobenzene-d5	7.17	82	407665	129.39	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	64455	111.04	ng	0.07
44) 2-Fluorobiphenyl	9.01	172	370213	72.44	ng	0.05
78) Terphenyl-d14	12.70	244	331169	62.77	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.02	88	57886	31.15	ng	96
3) Pyridine	2.64	79	146085	27.85	ng	# 81
4) n-Nitrosodimethylamine	2.60	42	104141	35.66	ng	# 76
6) Aniline	6.24	93	79970	10.69	ng	# 1
8) 2-Chlorophenol	6.37	128	144444	33.46	ng	96
9) Benzaldehyde	6.10	77	305543	92.10	ng	# 1
10) Phenol	6.24	94	192907	31.74	ng	98
11) bis(2-Chloroethyl)ether	6.33	93	150709	32.32	ng	87
12) 1,3-Dichlorobenzene	6.53	146	143448	30.92	ng	# 95
13) 1,4-Dichlorobenzene	6.61	146	140243	30.53	ng	# 87
14) 1,2-Dichlorobenzene	6.61	146	140243	32.62	ng	94
15) Benzyl Alcohol	6.74	79	129688	31.15	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.89	45	199548	21.78	ng	# 1
17) 2-Methylphenol	6.86	107	127312	34.37	ng	# 65
18) Hexachloroethane	7.18	117	1305004	703.16	ng	# 54
19) n-Nitroso-di-n-propylamine	7.02	70	200834	56.34	ng	# 90
20) 3+4-Methylphenols	7.03	107	146863	31.24	ng	# 87
22) Acetophenone	7.01	105	1023564	270.88	ng	# 44
24) Nitrobenzene	7.18	77	360734	109.50	ng	# 62
25) Isophorone	7.43	82	386988	65.86	ng	# 24
26) 2-Nitrophenol	7.51	139	102558	74.86	ng	# 1
27) 2,4-Dimethylphenol	7.57	122	120687	49.80	ng	# 92
28) bis(2-Chloroethoxy)methane	7.67	93	188052	54.18	ng	# 6
29) 2,4-Dichlorophenol	7.77	162	116035	56.87	ng	# 67
30) 1,2,4-Trichlorobenzene	7.85	180	100159	44.16	ng	# 88
31) Naphthalene	7.93	128	2069899	258.00	ng	# 85
32) Benzoic acid	7.69	122	12860	9.43	ng	# 1
33) 4-Chloroaniline	7.93	127	446367	131.86	ng	# 48
34) Hexachlorobutadiene	8.06	225	54630	42.60	ng	97
35) Caprolactam	8.38	113	264179	370.43	ng	# 7
36) 4-Chloro-3-methylphenol	8.48	107	113825	46.81	ng	# 87
37) 2-Methylnaphthalene	8.66	142	3837346	757.19	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	67742	31.36	ng	# 80
40) Hexachlorocyclopentadiene	8.80	237	48178	43.08	ng	97

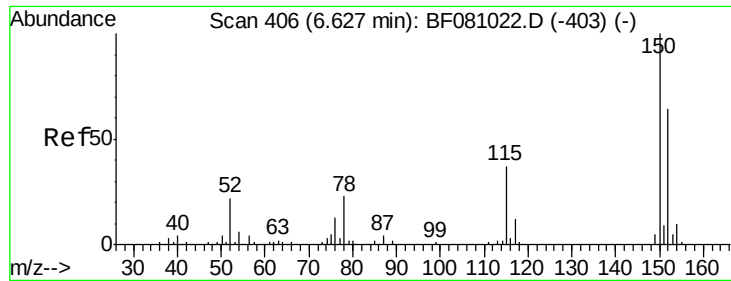
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.93	196	89457	58.61	nq	96
43) 2,4,5-Trichlorophenol	8.93	196	89457	58.64	nq	# 1
45) 1,1'-Biphenyl	9.11	154	618243	104.82	nq	94
46) 2-Chloronaphthalene	9.14	162	163305	34.46	nq	# 15
47) 2-Nitroaniline	9.22	65	137577	70.95	nq	# 79
48) Acenaphthylene	9.56	152	326562	38.53	nq	# 59
49) Dimethylphthalate	9.41	163	150285	27.25	nq	# 85
50) 2,6-Dinitrotoluene	9.49	165	37531	31.70	nq	# 1
51) Acenaphthene	9.73	154	333648	65.75	nq	# 77
52) 3-Nitroaniline	9.68	138	5747	3.88	nq	# 56
53) 2,4-Dinitrophenol	9.81	184	9018	18.27	nq	# 1
54) Dibenzofuran	9.90	168	342298	50.34	nq	# 36
55) 4-Nitrophenol	9.80	139	178503	171.53	nq	# 53
56) 2,4-Dinitrotoluene	9.91	165	111248	70.89	nq	# 79
57) Fluorene	10.24	166	618004	118.14	nq	# 75
58) 2,3,4,6-Tetrachlorophenol	10.04	232	19577	16.58	nq	# 1
59) Diethylphthalate	10.10	149	176206	30.19	nq	# 82
60) 4-Chlorophenyl-phenylether	10.23	204	82468	37.26	nq	# 1
61) 4-Nitroaniline	10.30	138	11083	7.32	nq	# 54
62) Azobenzene	10.39	77	157072	23.35	nq	# 21
64) 4,6-Dinitro-2-methylphenol	10.31	198	13134	17.75	nq	# 1
65) n-Nitrosodiphenylamine	10.33	169	1053713	238.21	nq	# 82
66) 4-Bromophenyl-phenylether	10.71	248	42833	35.18	nq	# 1
67) Hexachlorobenzene	10.82	284	38180	30.97	nq	# 47
68) Atrazine	10.87	200	67207	54.53	nq	# 72
69) Pentachlorophenol	10.98	266	45364	61.33	nq	# 99
70) Phenanthrene	11.19	178	1380272	187.94	nq	# 93
71) Anthracene	11.24	178	355103	49.69	nq	# 80
72) Carbazole	11.39	167	278752	40.51	nq	# 66
73) Di-n-butylphthalate	11.72	149	299579	35.98	nq	# 93
74) Fluoranthene	12.35	202	327162	41.28	nq	# 87
76) Benzidine	12.45	184	61822	14.47	nq	# 75
77) Pyrene	12.56	202	630215	68.54	nq	# 96
79) Butylbenzylphthalate	13.16	149	140169	35.46	nq	# 60
80) Benzo(a)anthracene	13.71	228	260851	34.39	nq	# 97
81) 3,3'-Dichlorobenzidine	13.67	252	58152	23.67	nq	# 99
82) Chrysene	13.74	228	269284	39.39	nq	# 98
83) Bis(2-ethylhexyl)phthalate	13.72	149	218505	43.16	nq	# 99
84) Di-n-octyl phthalate	14.32	149	329397	42.81	nq	# 98
85) Indeno(1,2,3-cd)pyrene	16.24	276	271488	56.56	nq	# 95
87) Benzo(b)fluoranthene	14.71	252	458439	58.73	nq	# 98
88) Benzo(k)fluoranthene	14.71	252	458439	63.03	nq	# 97
89) Benzo(a)pyrene	14.99	252	227700	33.48	nq	# 97
90) Dibenzo(a,h)anthracene	16.25	278	225741	42.60	nq	# 93
91) Benzo(g,h,i)perylene	16.60	276	230299	42.83	nq	# 90

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

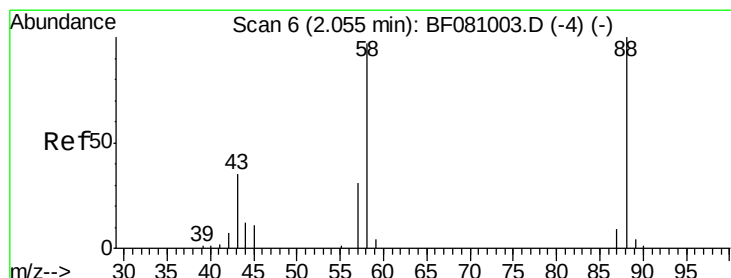
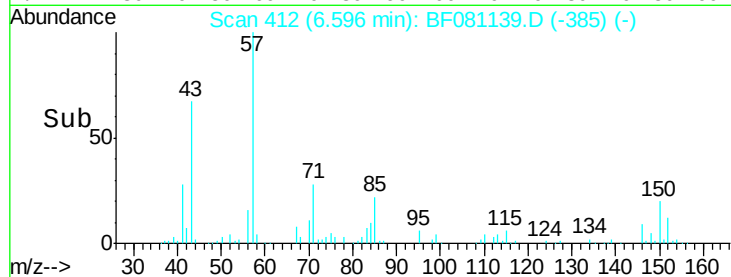
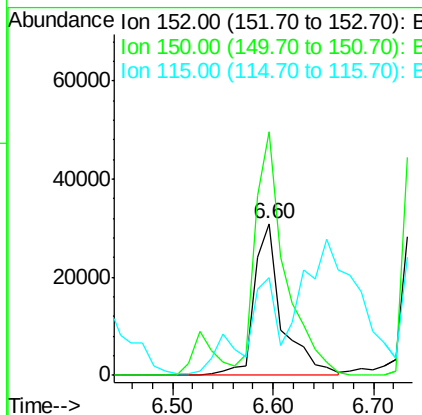
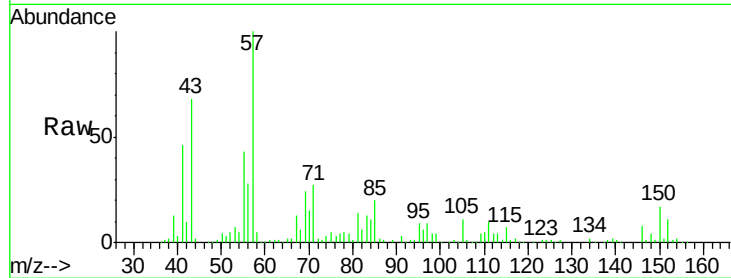


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

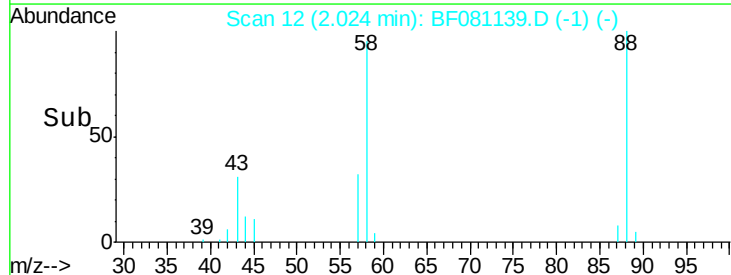
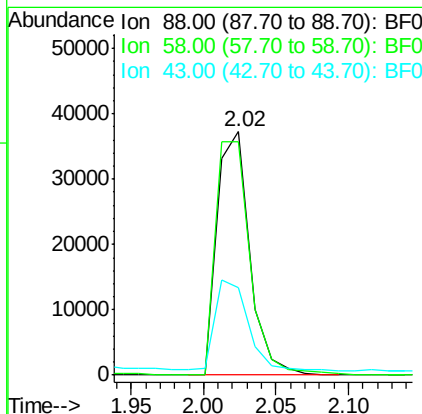
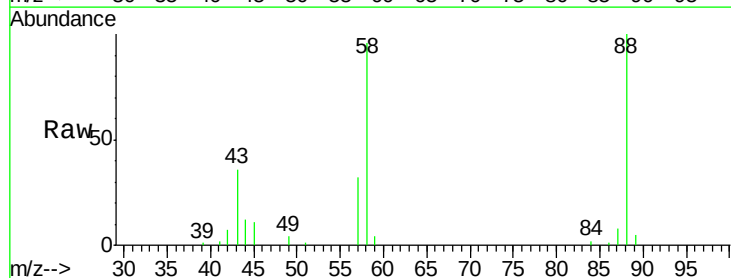
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	123.8	185.6
115	64.0	52.1	78.1

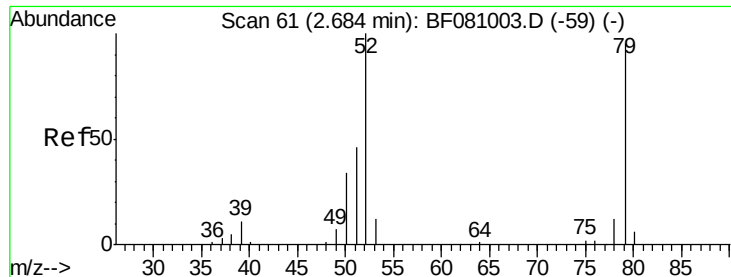


#2

1,4-Dioxane
Concen: 31.15 ng
RT: 2.02 min Scan# 12
Delta R.T. 0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	102.1	83.7	125.5
43	42.1	37.5	56.3





#3

Pvridine

Concen: 27.85 ng

RT: 2.64 min Scan# 66

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

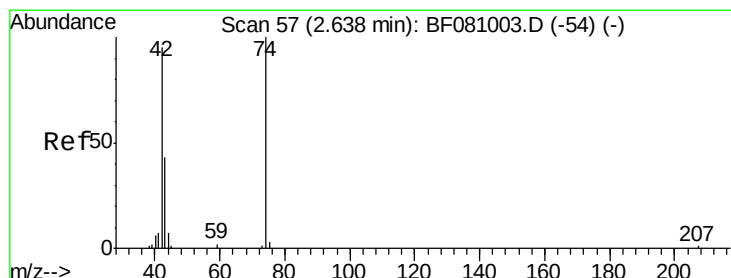
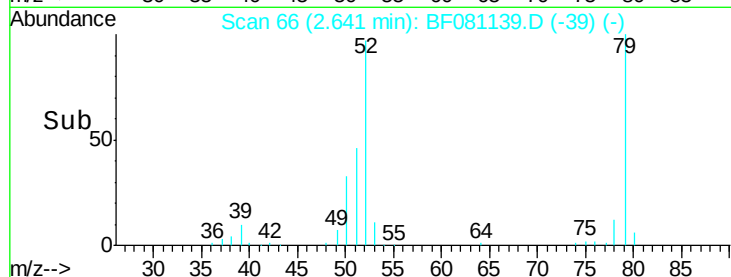
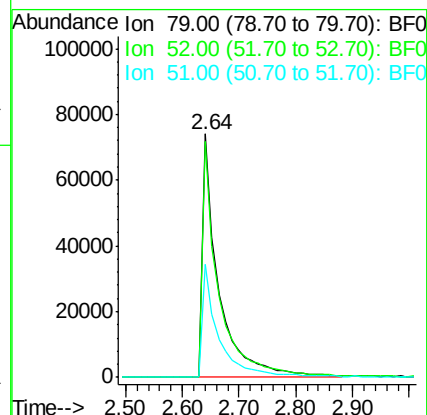
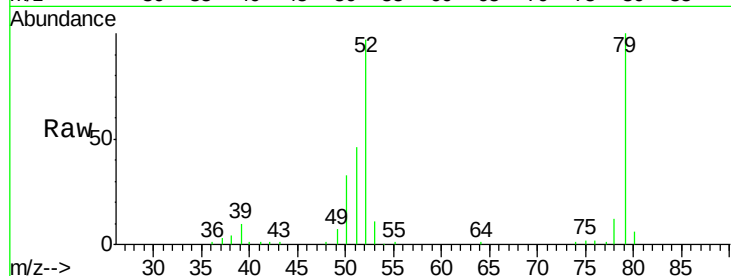
Tot Ion: 79 Resp: 146085

Ion Ratio Lower Upper

79 100

52 96.8 95.1 142.7

51 46.4 46.6 70.0#



#4

n-Nitrosodimethylamine

Concen: 35.66 ng

RT: 2.60 min Scan# 62

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

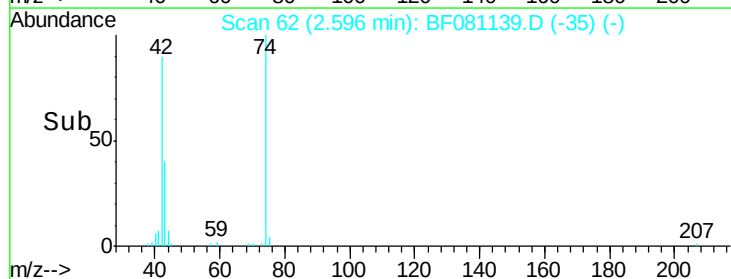
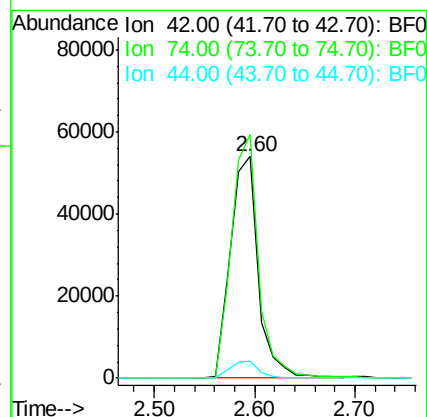
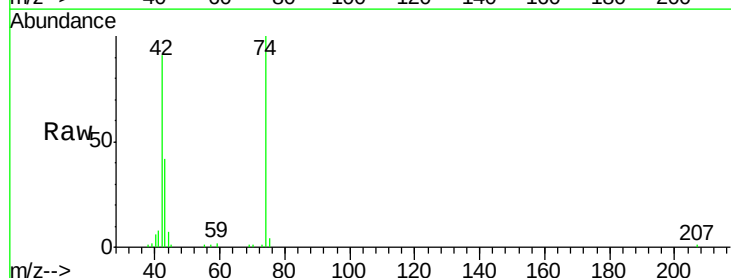
Tgt Ion: 42 Resp: 104141

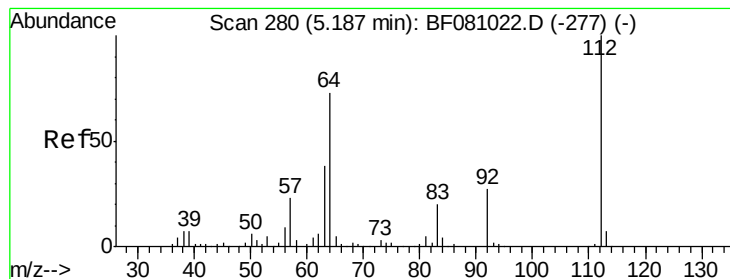
Ion Ratio Lower Upper

42 100

74 109.8 69.3 103.9#

44 7.9 5.5 8.3

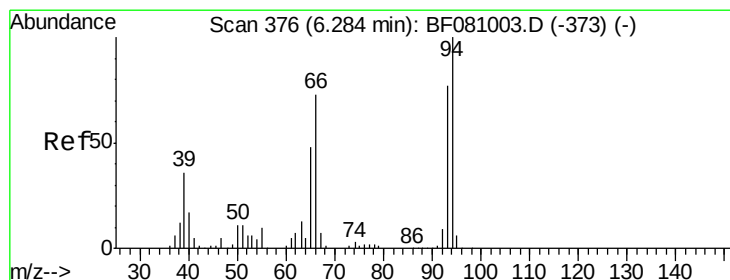
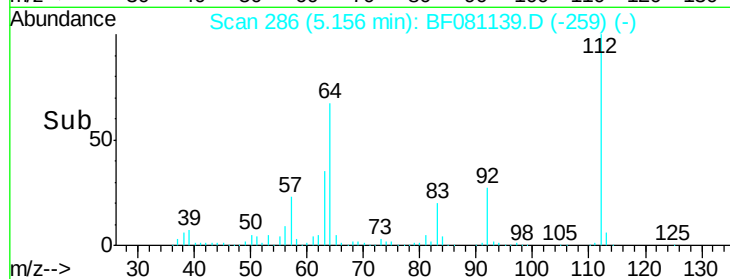
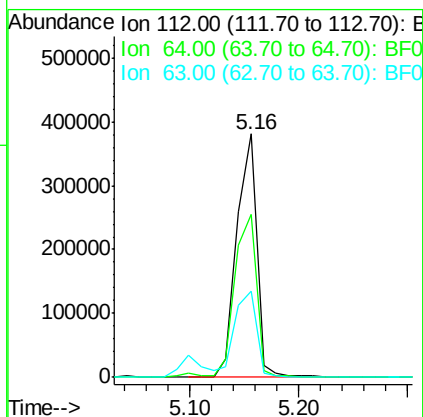
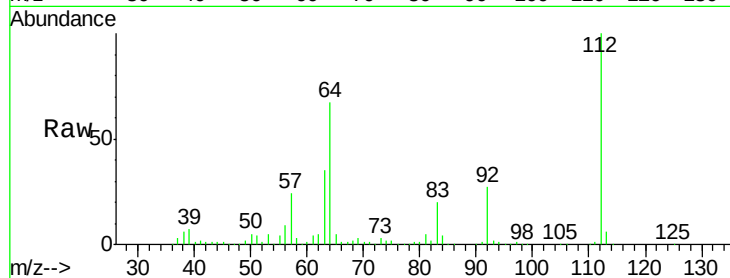




#5
2-Fluorophenol
Concen: 122.32 ng
RT: 5.16 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

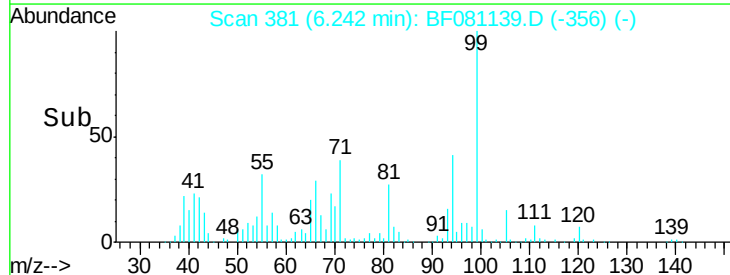
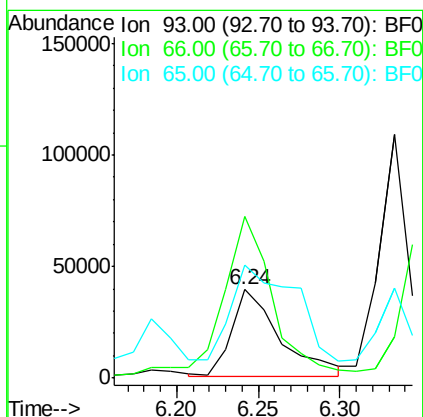
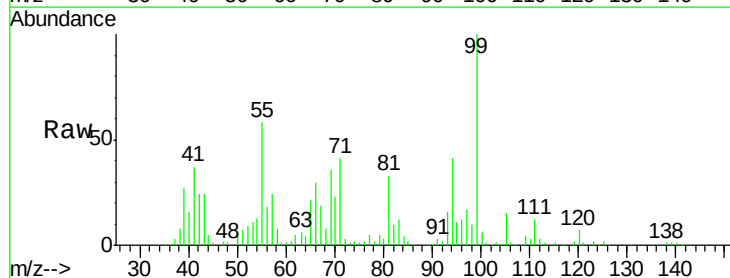
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

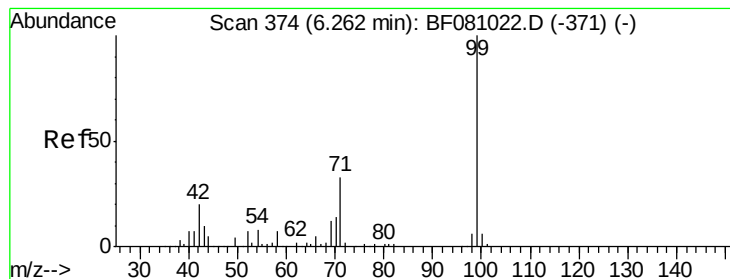
Tot Ion:112 Resp: 482425
Ion Ratio Lower Upper
112 100
64 67.2 66.9 100.3
63 35.4 38.1 57.1#



#6
Aniline
Concen: 10.69 ng
RT: 6.24 min Scan# 381
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion: 93 Resp: 79970
Ion Ratio Lower Upper
93 100
66 182.1 35.6 53.4#
65 128.2 18.7 28.1#





#7

Phenol-d6

Concen: 112.83 ng

RT: 6.23 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

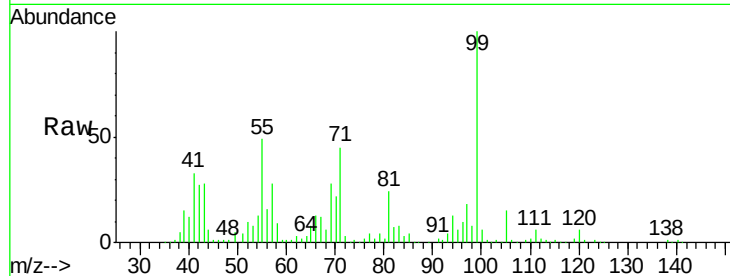
Tot Ion: 99 Resp: 580614

Ion Ratio Lower Upper

99 100

42 27.0 19.6 29.4

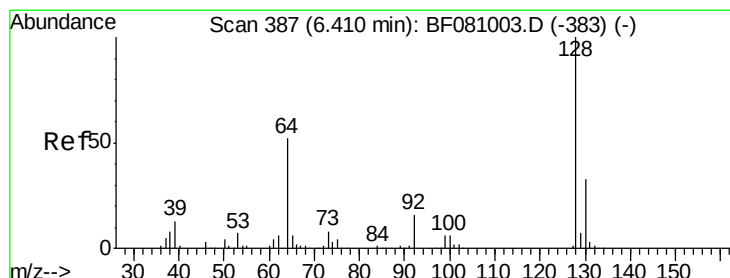
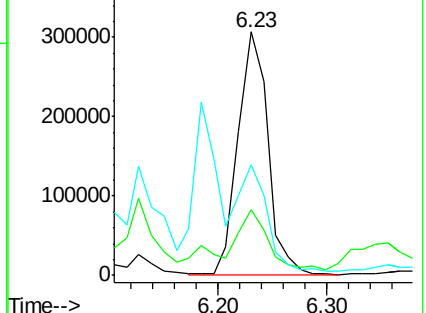
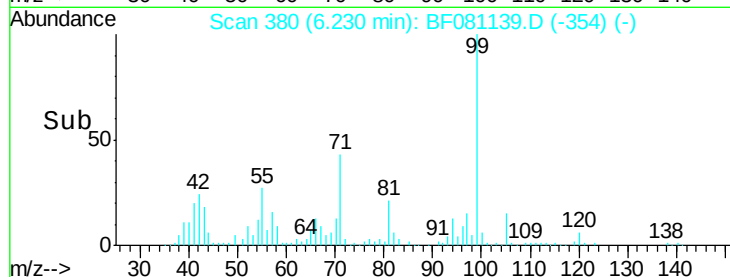
71 45.4 31.2 46.8



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: 33.46 ng

RT: 6.37 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

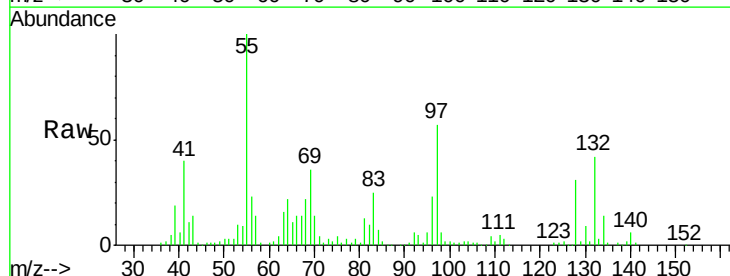
Tgt Ion:128 Resp: 144444

Ion Ratio Lower Upper

128 100

130 30.6 12.5 52.5

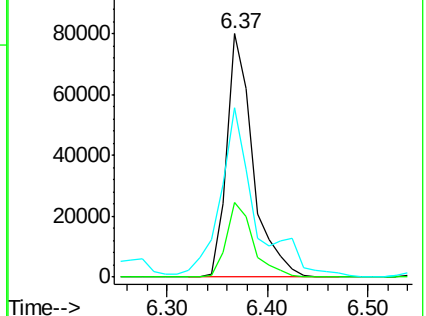
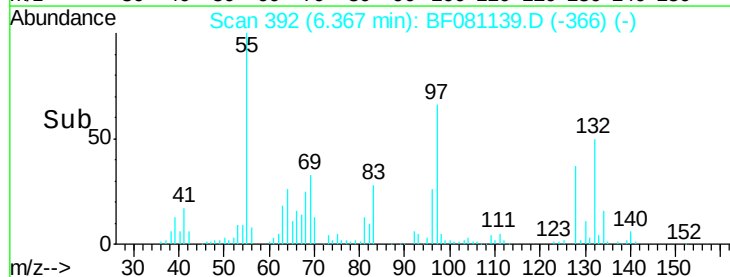
64 69.7 46.8 86.8

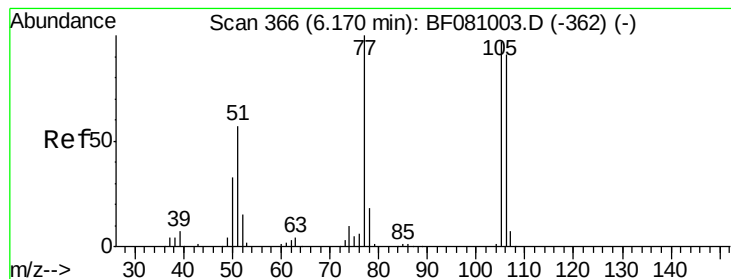


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 92.10 ng

RT: 6.10 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

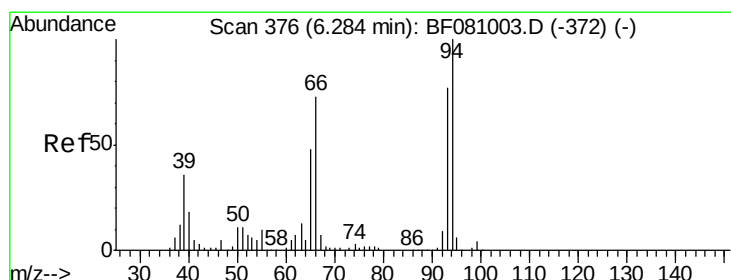
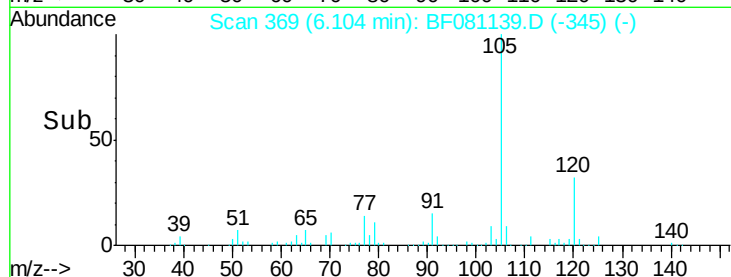
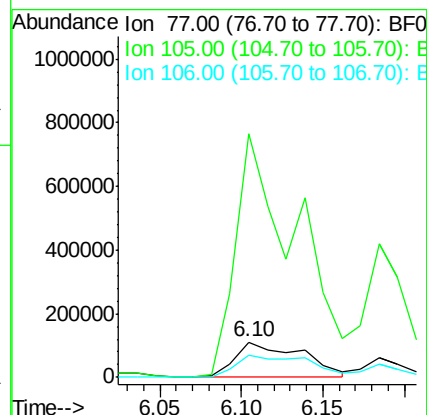
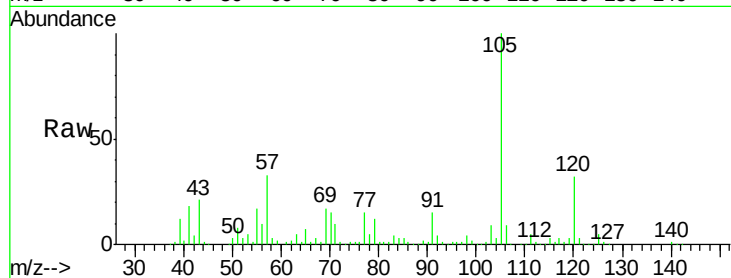
Tot Ion: 77 Resp: 305543

Ion Ratio Lower Upper

77 100

105 686.6 69.6 109.6#

106 64.0 64.0 104.0#



#10

Phenol

Concen: 31.74 ng

RT: 6.24 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

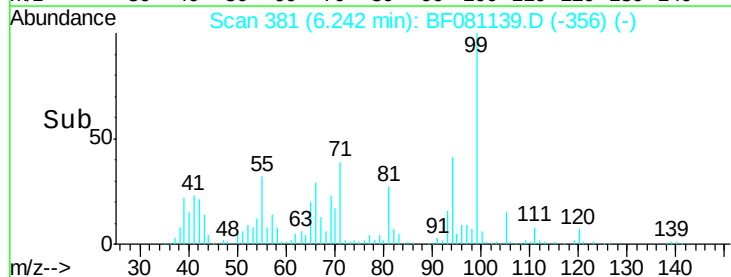
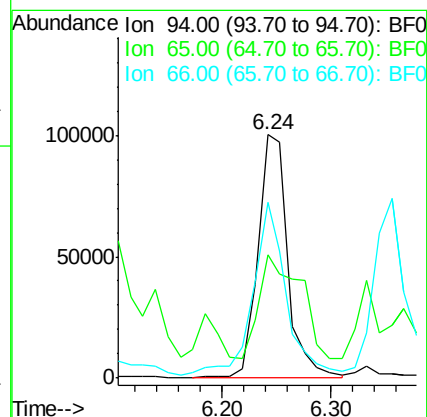
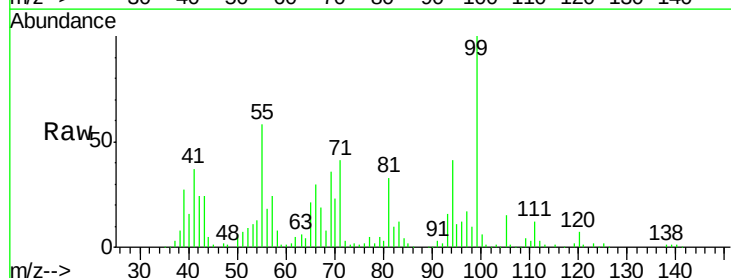
Tgt Ion: 94 Resp: 192907

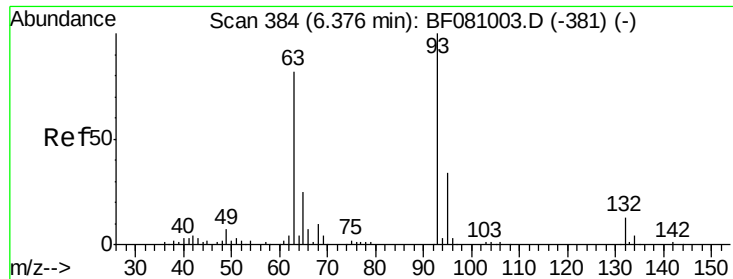
Ion Ratio Lower Upper

94 100

65 50.7 28.4 68.4

66 72.1 52.3 92.3





#11

bis(2-Chloroethyl)ether

Concen: 32.32 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

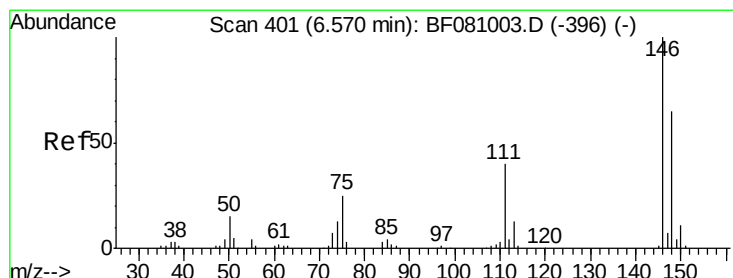
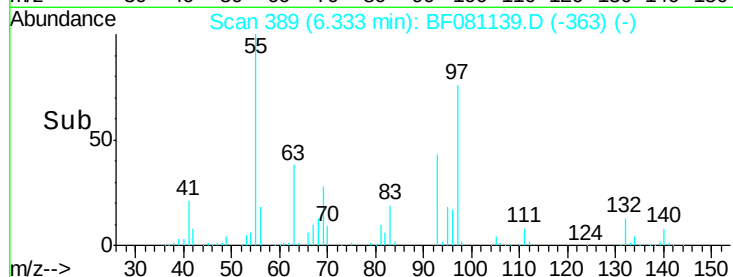
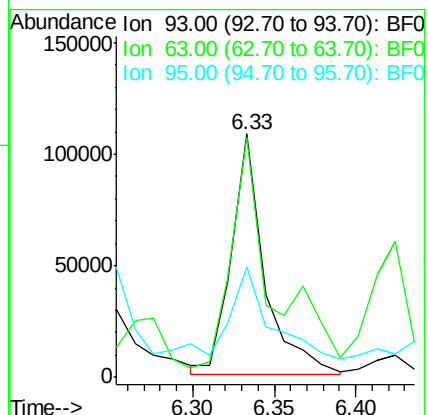
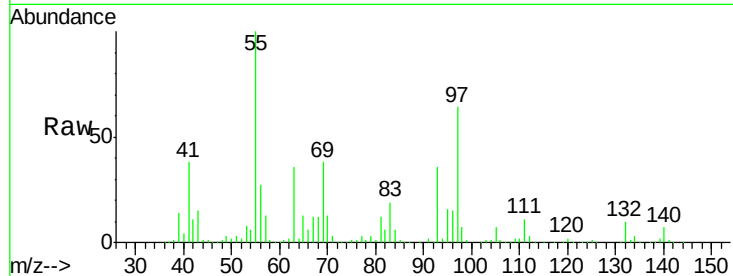
Tot Ion: 93 Resp: 150709

Ion Ratio Lower Upper

93 100

63 98.4 69.6 109.6

95 45.5 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 30.92 ng

RT: 6.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

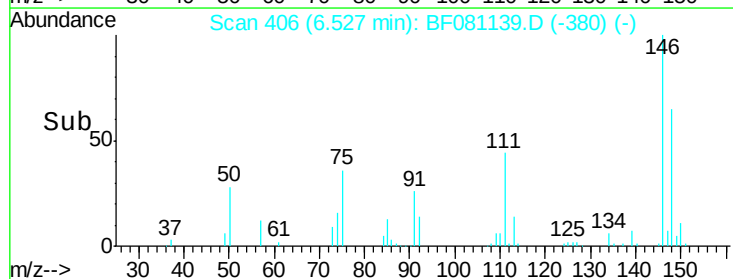
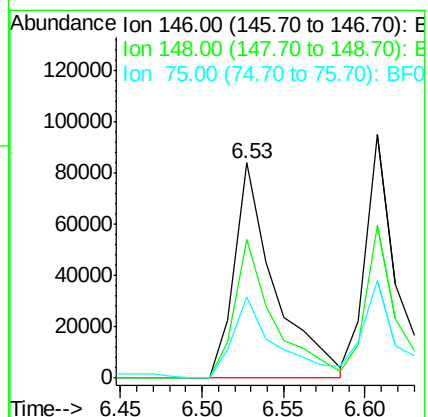
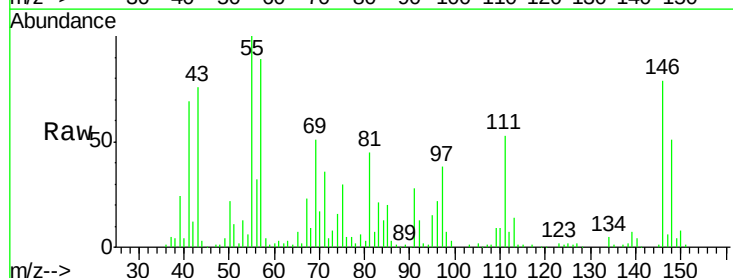
Tgt Ion: 146 Resp: 143448

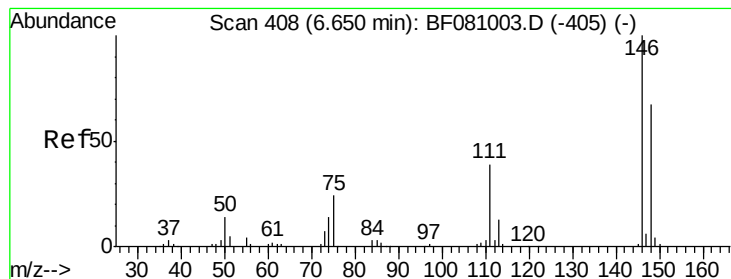
Ion Ratio Lower Upper

146 100

148 64.7 53.3 79.9

75 37.6 25.0 37.6#





#13

1,4-Dichlorobenzene

Concen: 30.53 ng

RT: 6.61 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

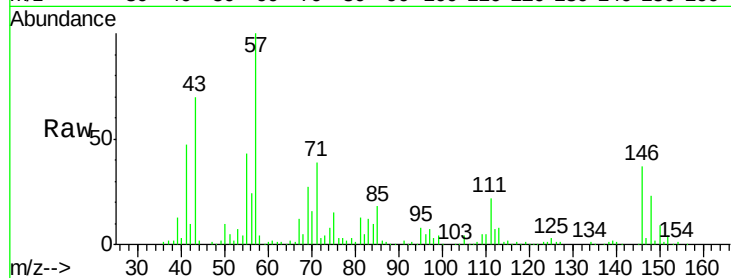
Tot Ion:146 Resp: 140243

Ion Ratio Lower Upper

146 100

148 62.9 52.3 78.5

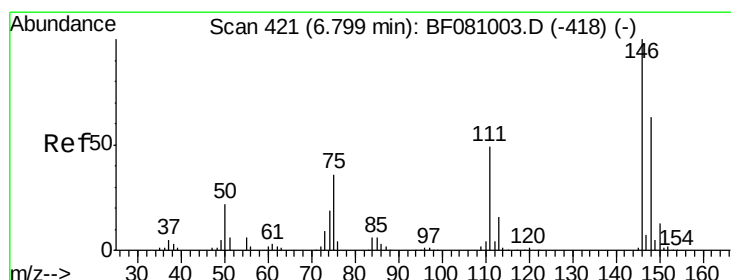
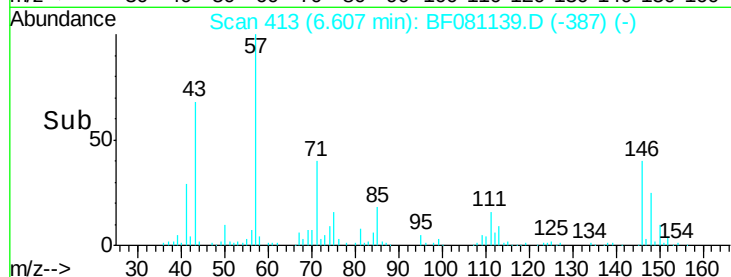
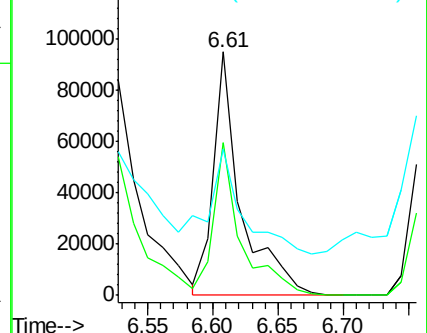
111 60.2 34.4 51.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 32.62 ng

RT: 6.61 min Scan# 413

Delta R.T. -0.15 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

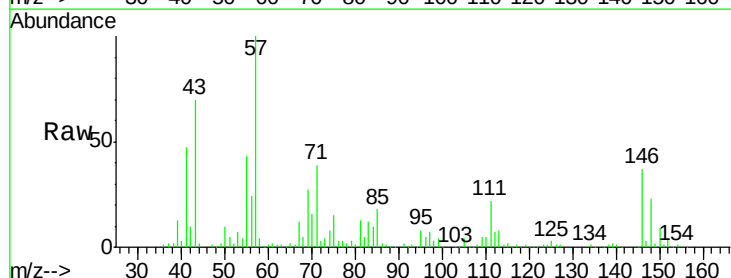
Tgt Ion:146 Resp: 140243

Ion Ratio Lower Upper

146 100

148 62.9 48.7 73.1

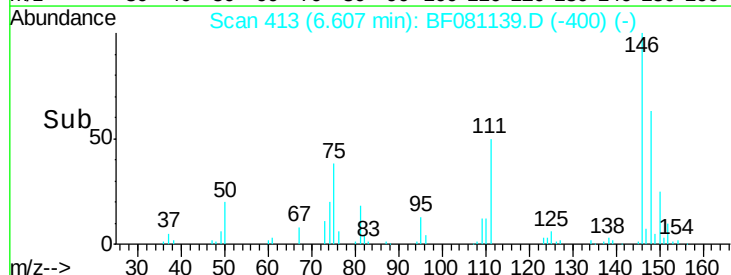
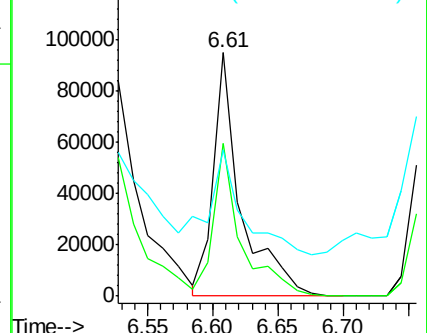
111 60.2 42.3 63.5

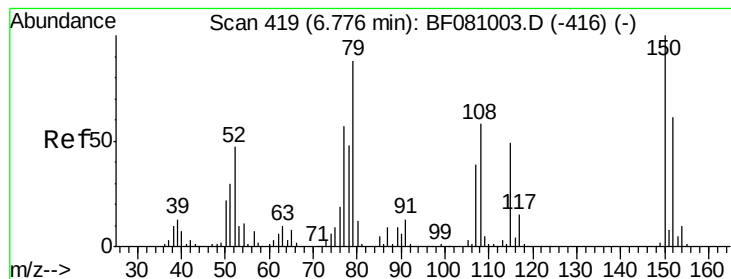


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.15 ng

RT: 6.74 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

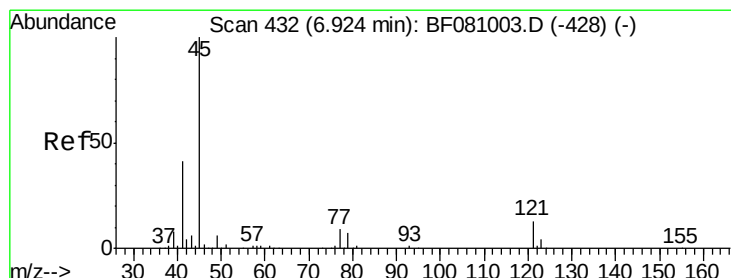
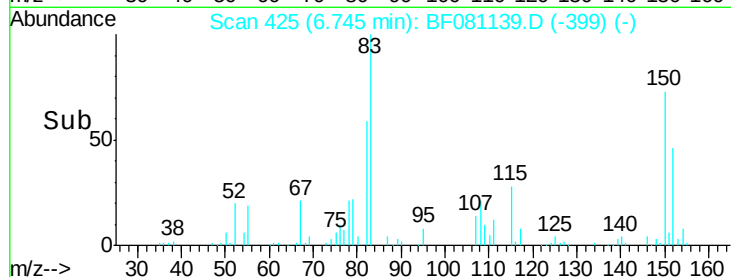
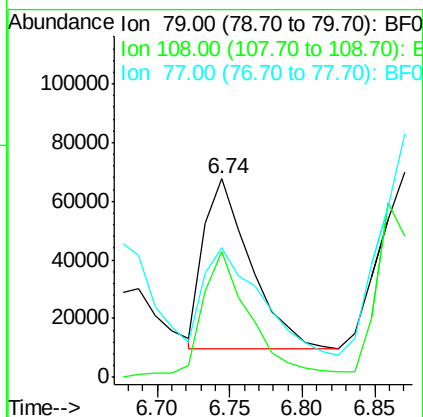
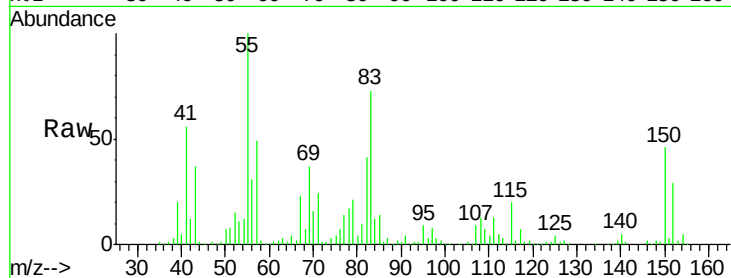
Tot Ion: 79 Resp: 129688

Ion Ratio Lower Upper

79 100

108 63.1 49.4 74.2

77 65.5 51.4 77.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.78 ng

RT: 6.89 min Scan# 438

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

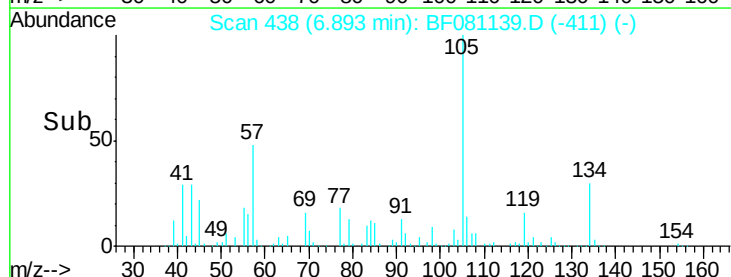
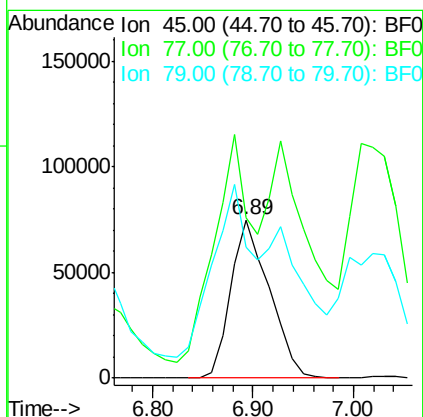
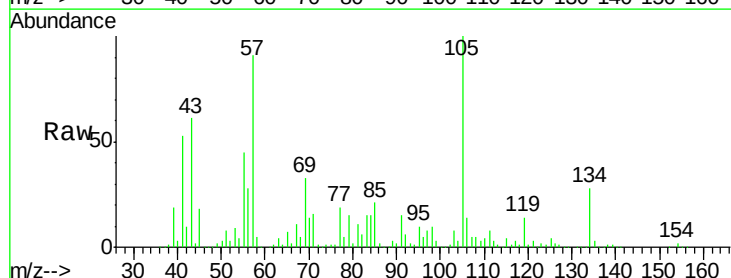
Tgt Ion: 45 Resp: 199548

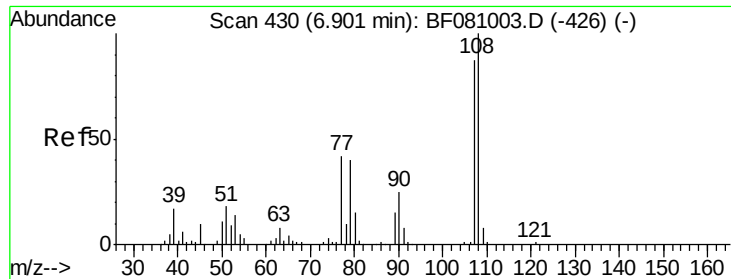
Ion Ratio Lower Upper

45 100

77 101.9 0.0 30.2#

79 83.0 0.0 28.0#

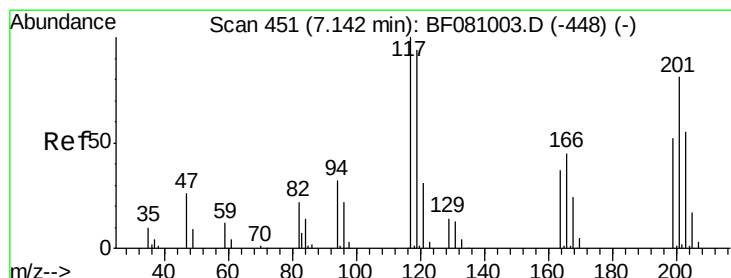
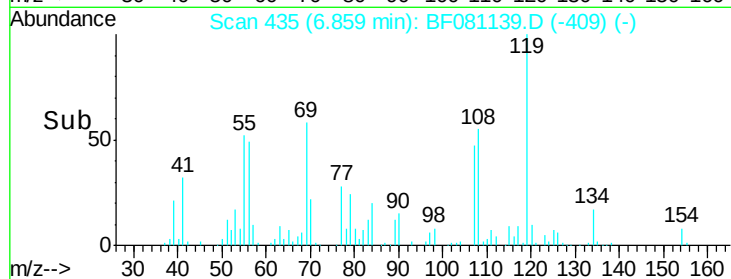
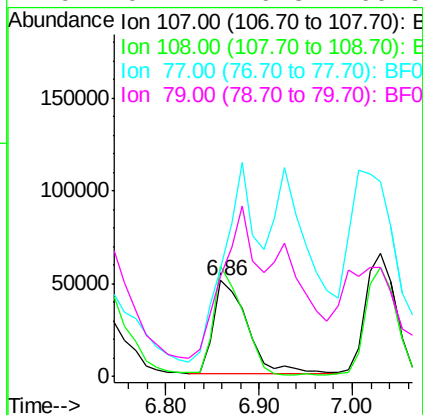
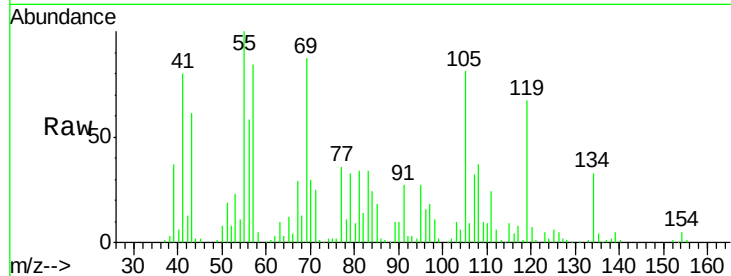




#17
2-Methylphenol
Concen: 34.37 ng
RT: 6.86 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

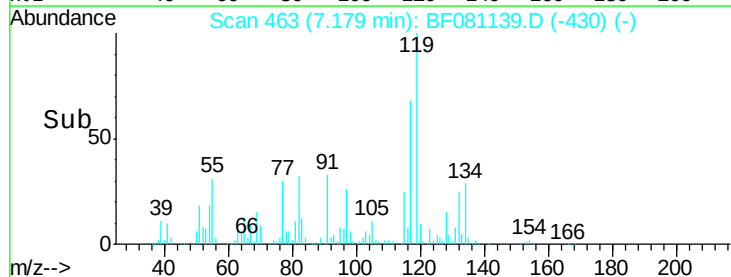
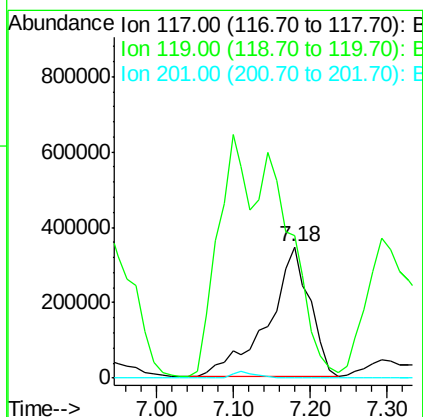
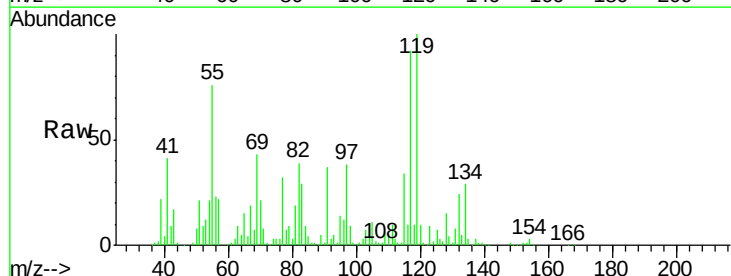
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

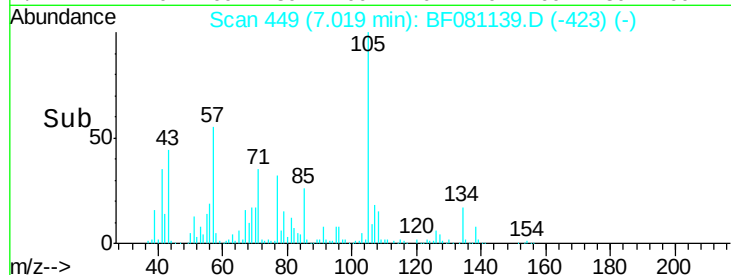
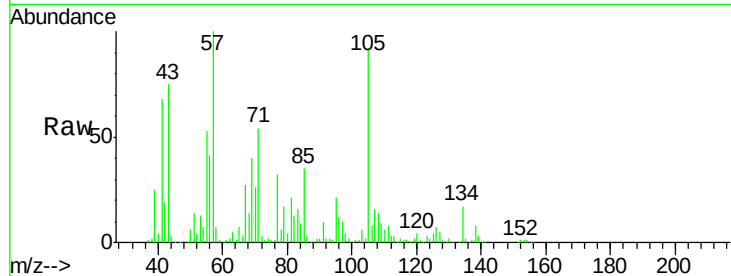
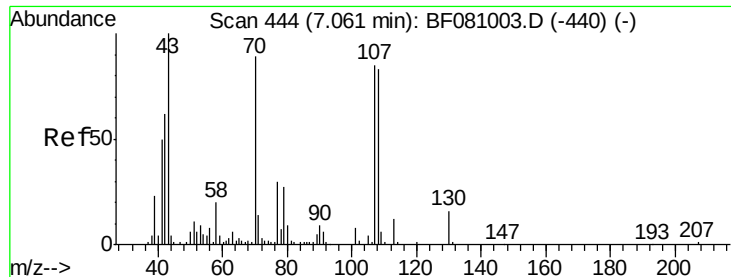
Tot Ion:107 Resp: 127312
Ion Ratio Lower Upper
107 100
108 115.2 90.4 135.6
77 112.9 46.5 69.7#
79 104.2 46.3 69.5#



#18
Hexachloroethane
Concen: 703.16 ng
RT: 7.18 min Scan# 463
Delta R.T. 0.08 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:117 Resp: 1305004
Ion Ratio Lower Upper
117 100
119 108.7 77.9 116.9
201 0.0 61.3 91.9#

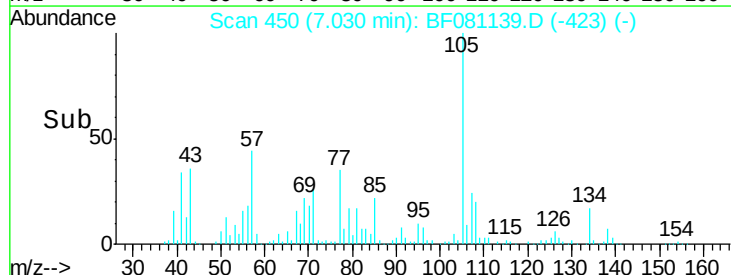
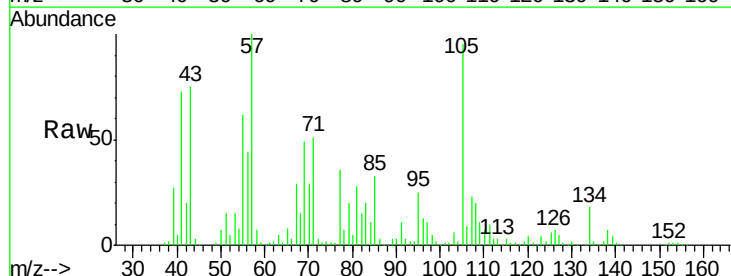
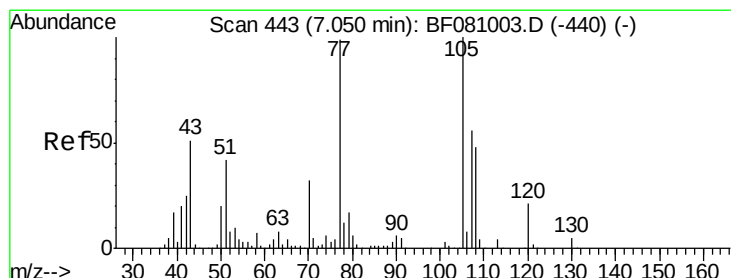
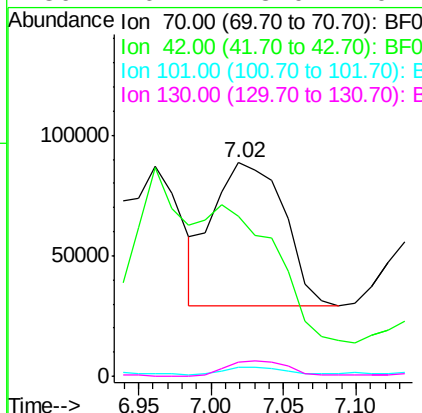




#19
n-Nitroso-di-n-propylamine
Concen: 56.34 ng
RT: 7.02 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

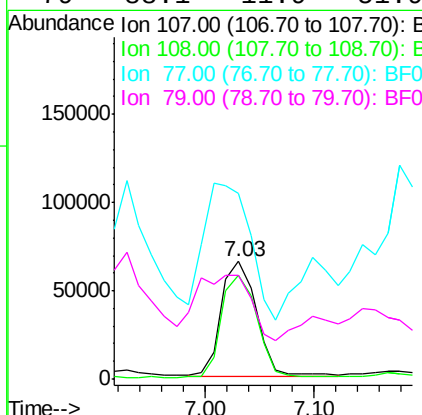
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

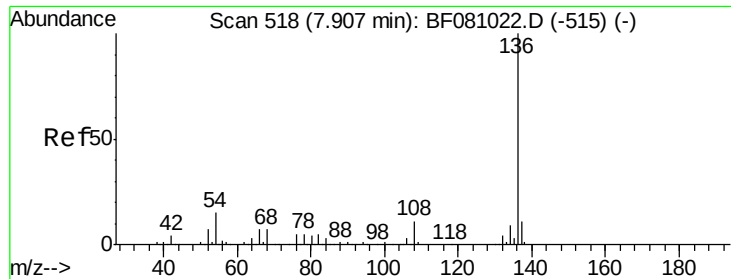
Tot Ion:	70	Resp:	200834
Ion	Ratio	Lower	Upper
70	100		
42	74.9	65.0	97.4
101	4.1	7.4	11.2#
130	6.7	13.0	19.4#



#20
3+4-Methylphenols
Concen: 31.24 ng
RT: 7.03 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:	107	Resp:	146863
Ion	Ratio	Lower	Upper
107	100		
108	87.9	66.1	106.1
77	157.9	139.3	179.3
79	88.1	11.9	51.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 526

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion:136 Resp: 143929

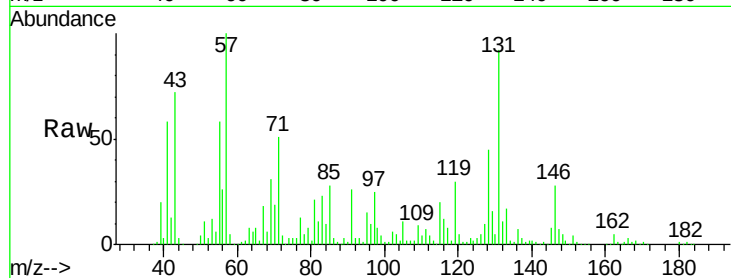
Ion Ratio Lower Upper

136 100

137 38.5 8.2 12.2#

54 88.9 7.7 11.5#

68 84.6 3.4 5.2#

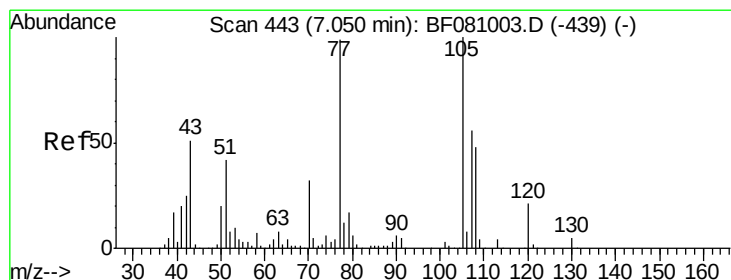
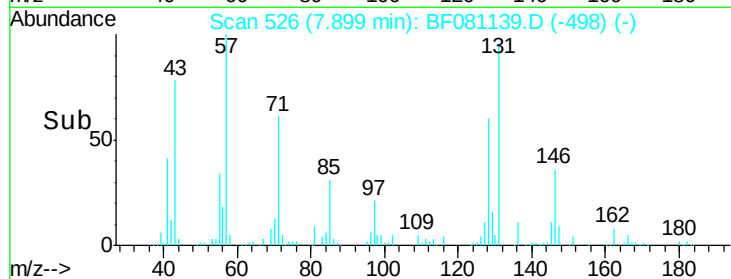
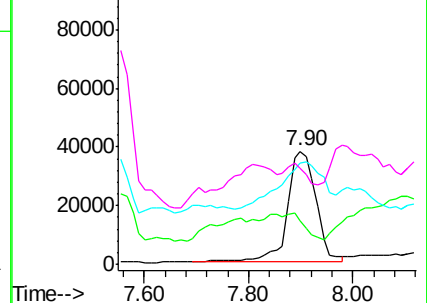


Abundance Ion 136.00 (135.70 to 136.70): E

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: 270.88 ng

RT: 7.01 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:105 Resp: 1023564

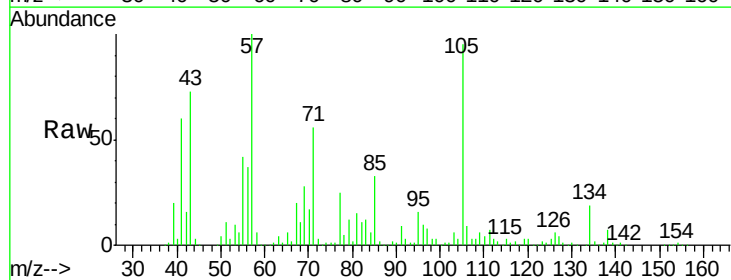
Ion Ratio Lower Upper

105 100

71 58.6 3.0 4.6#

51 11.3 39.8 59.8#

120 3.3 15.8 23.8#

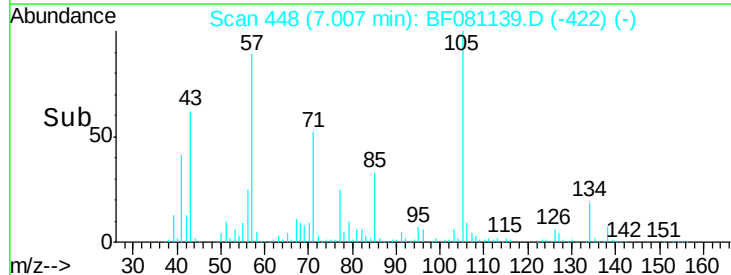
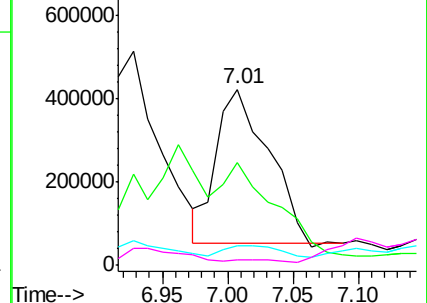


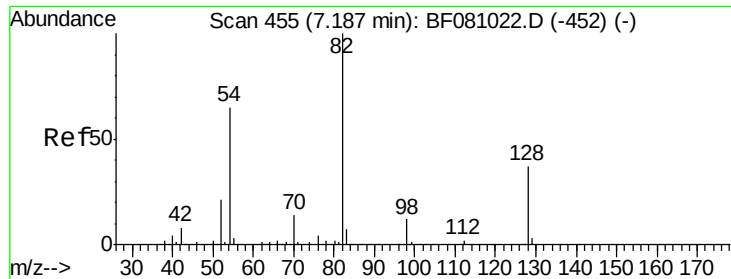
Abundance Ion 105.00 (104.70 to 105.70): E

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

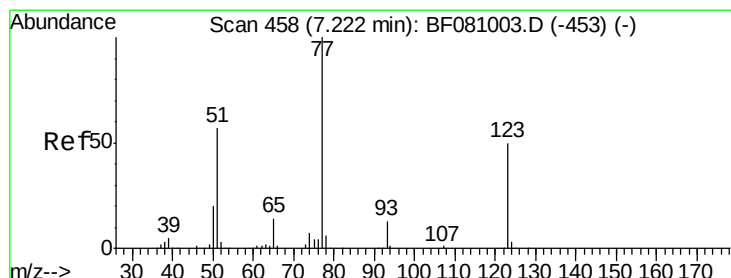
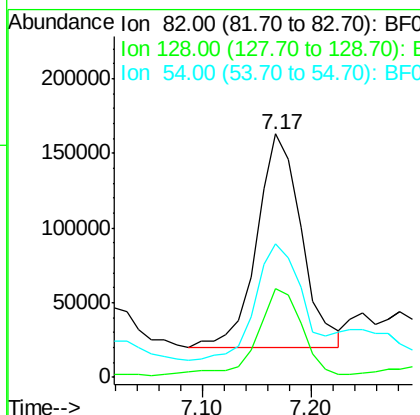
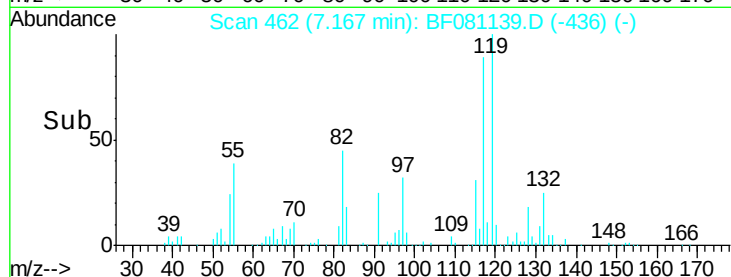
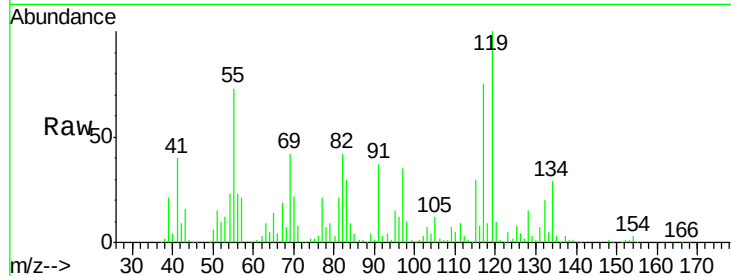




#23
 Nitrobenzene-d5
 Concen: 129.39 ng
 RT: 7.17 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

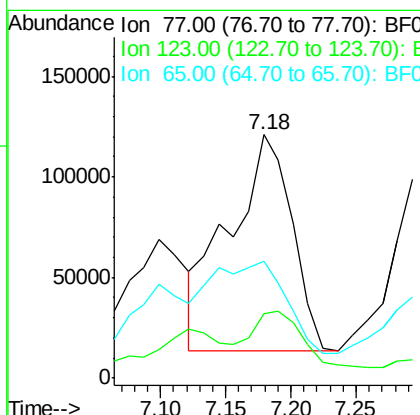
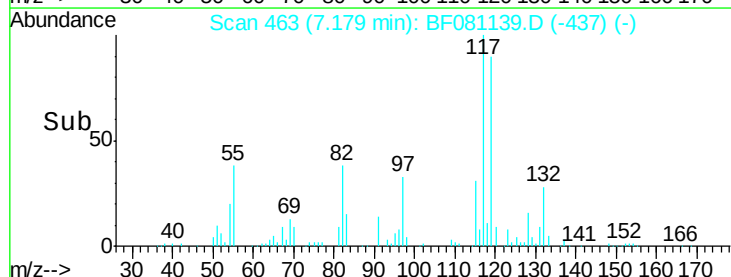
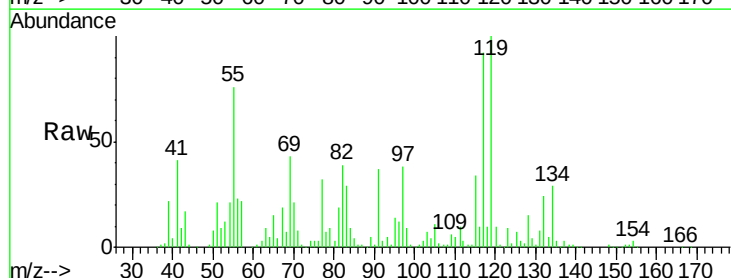
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

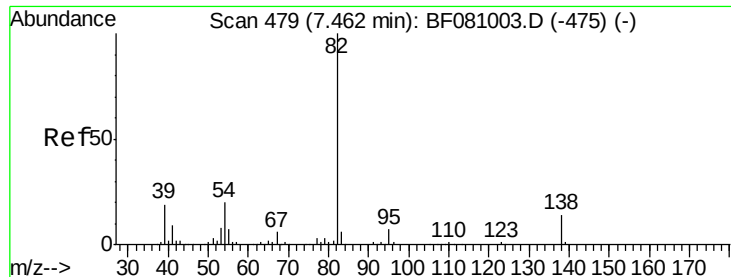
Tot Ion: 82 Resp: 407665
 Ion Ratio Lower Upper
 82 100
 128 36.3 28.6 42.8
 54 54.8 55.1 82.7#



#24
 Nitrobenzene
 Concen: 109.50 ng
 RT: 7.18 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion: 77 Resp: 360734
 Ion Ratio Lower Upper
 77 100
 123 26.6 32.9 49.3#
 65 48.2 12.5 18.7#





#25

Isophorone

Concen: 65.86 ng

RT: 7.43 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

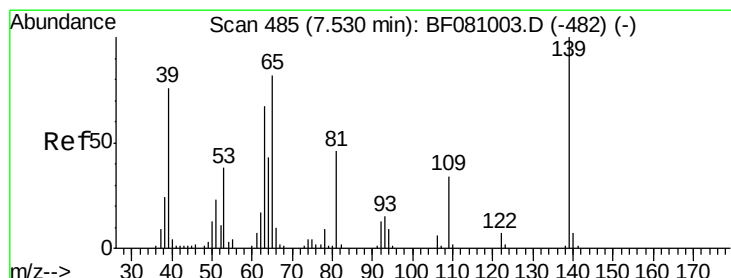
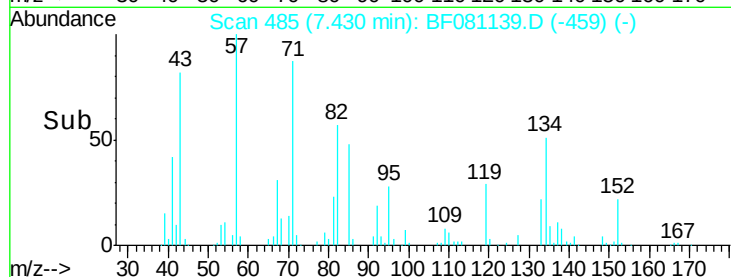
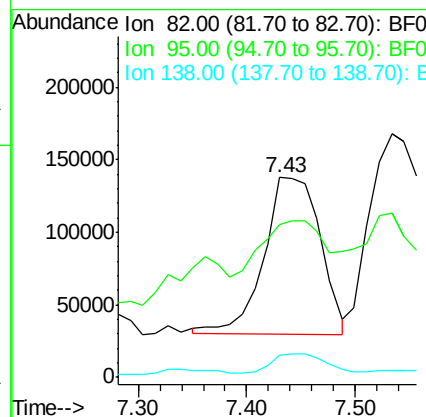
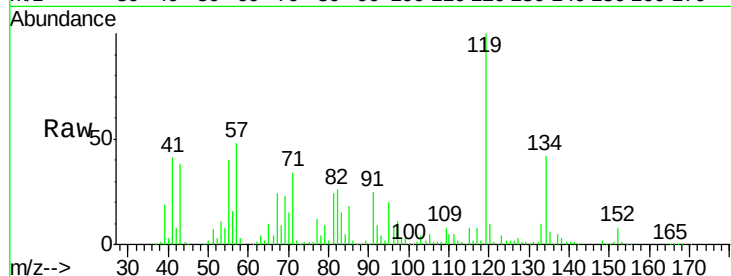
Tot Ion: 82 Resp: 386988

Ion Ratio Lower Upper

82 100

95 76.4 6.2 9.2#

138 11.1 10.5 15.7



#26

2-Nitrophenol

Concen: 74.86 ng

RT: 7.51 min Scan# 492

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

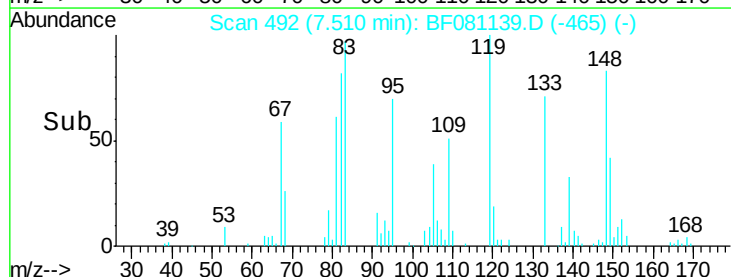
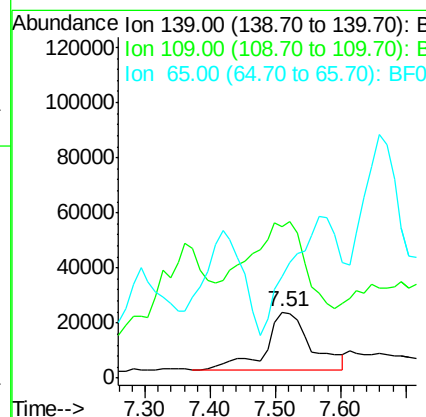
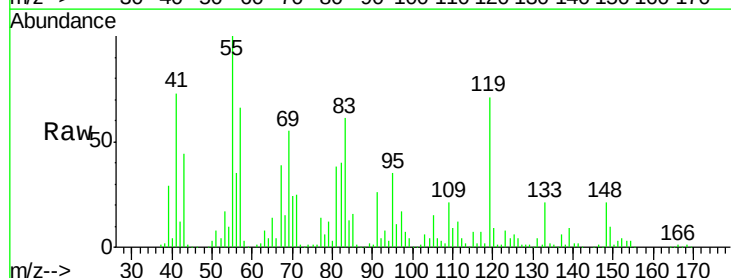
Tgt Ion: 139 Resp: 102558

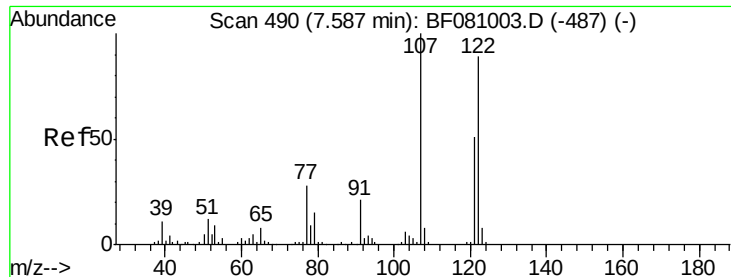
Ion Ratio Lower Upper

139 100

109 228.5 32.1 48.1#

65 153.1 69.9 104.9#





#27

2,4-Dimethylphenol

Concen: 49.80 ng

RT: 7.57 min Scan# 497

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

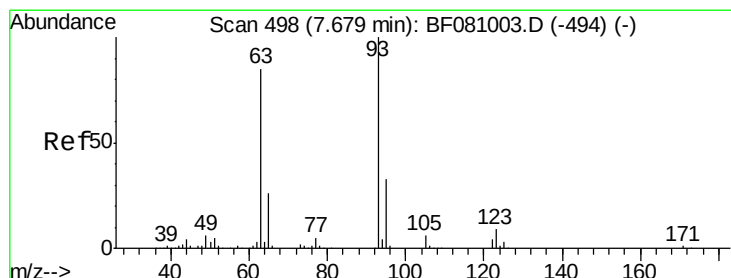
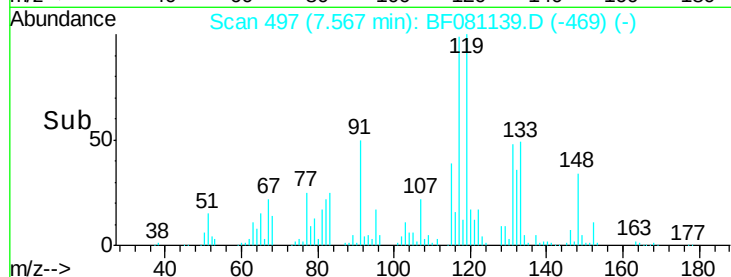
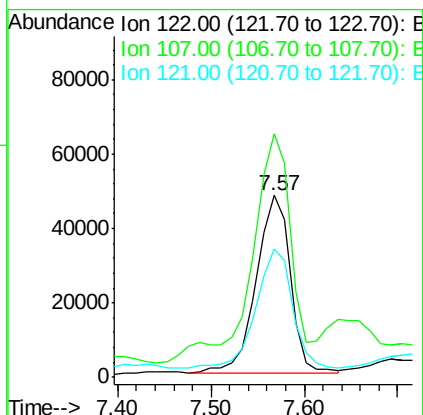
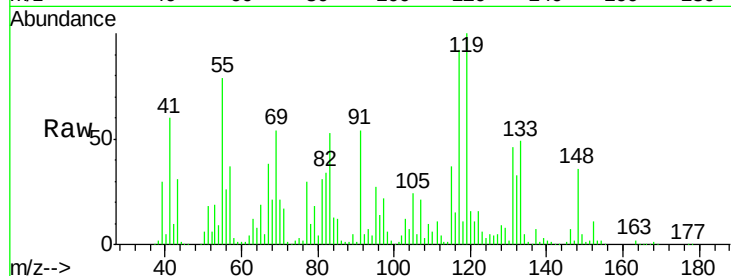
Tot Ion:122 Resp: 120687

Ion Ratio Lower Upper

122 100

107 134.1 103.8 155.6

121 70.6 47.0 70.4#



#28

bis(2-Chloroethoxy)methane

Concen: 54.18 ng

RT: 7.67 min Scan# 506

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

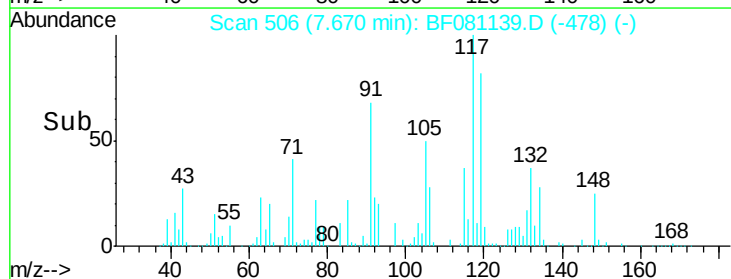
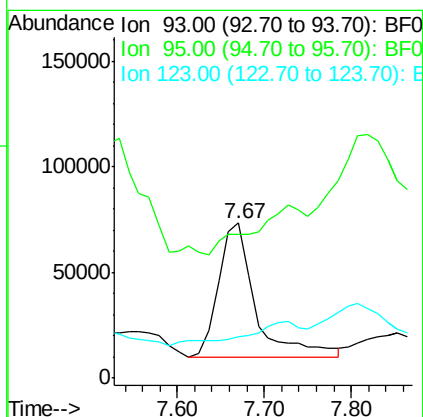
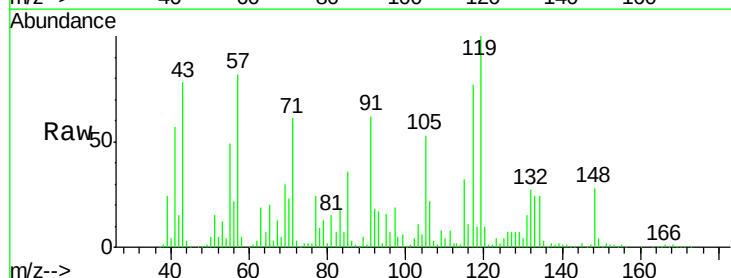
Tgt Ion: 93 Resp: 188052

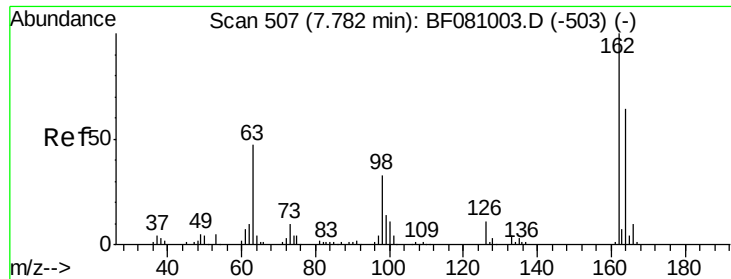
Ion Ratio Lower Upper

93 100

95 92.5 25.8 38.8#

123 26.3 7.4 11.0#





#29

2,4-Dichlorophenol

Concen: 56.87 ng

RT: 7.77 min Scan# 515

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

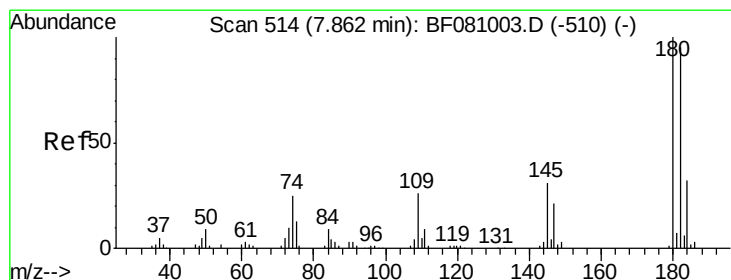
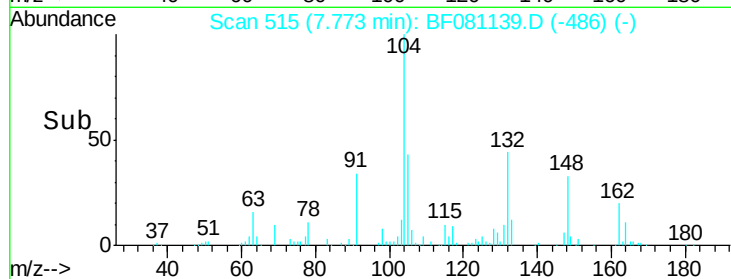
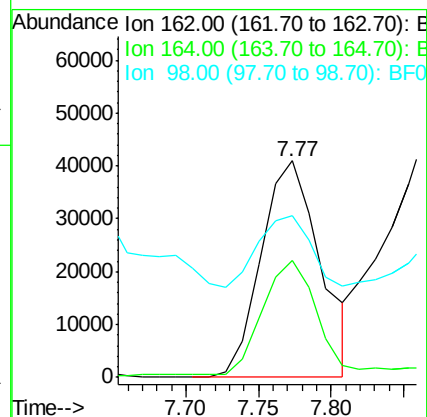
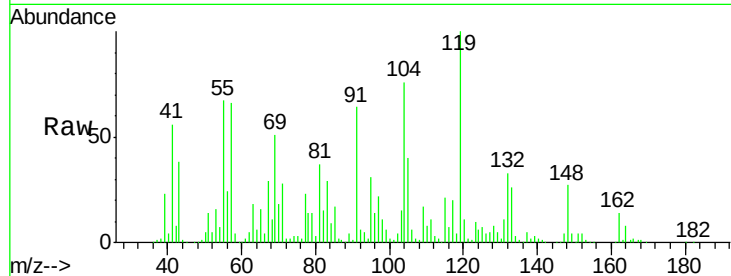
Tot Ion:162 Resp: 116035

Ion Ratio Lower Upper

162 100

164 54.2 43.2 83.2

98 74.5 12.3 52.3#



#30

1,2,4-Trichlorobenzene

Concen: 44.16 ng

RT: 7.85 min Scan# 522

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

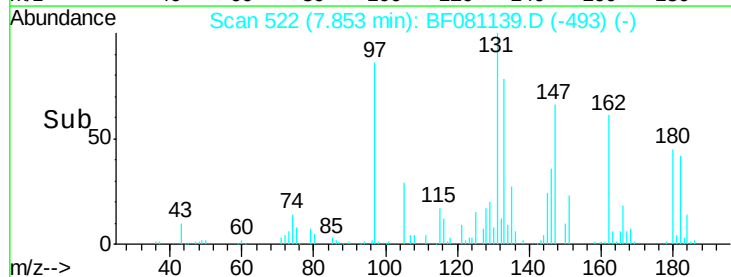
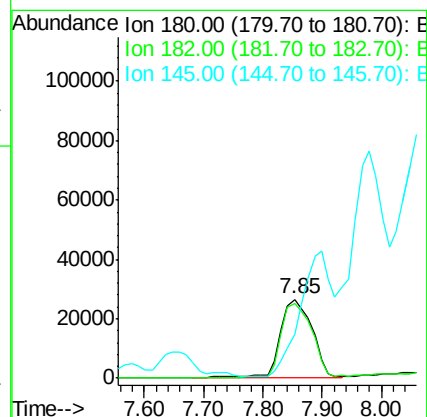
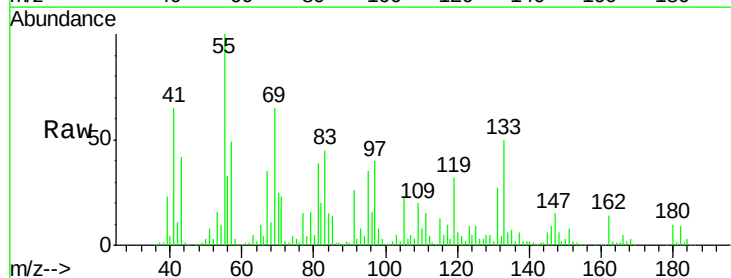
Tgt Ion:180 Resp: 100159

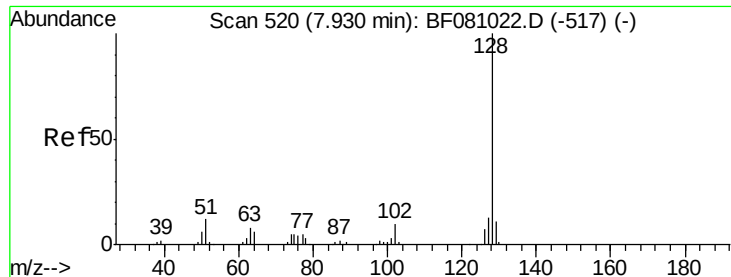
Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

145 56.2 25.4 38.2#





#31

Naphthalene

Concen: 258.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

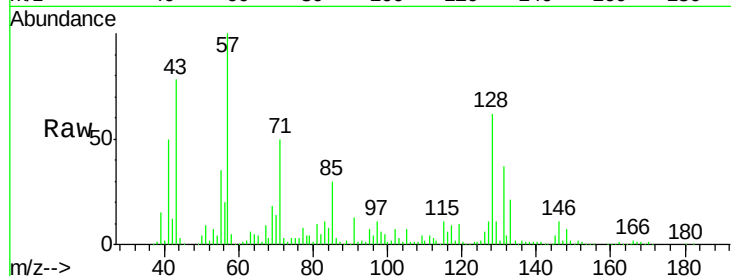
Tot Ion:128 Resp: 2069899

Ion Ratio Lower Upper

128 100

129 18.4 8.4 12.6#

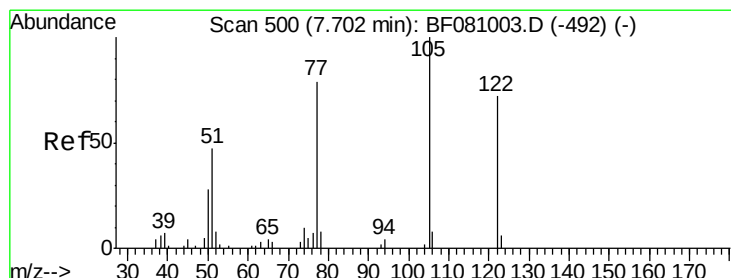
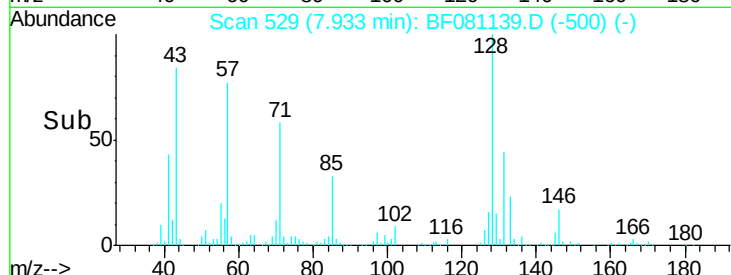
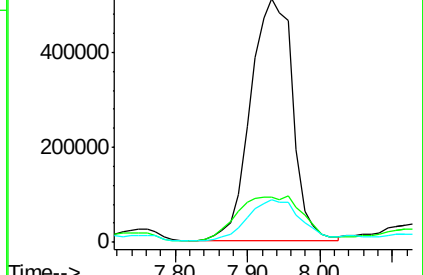
127 17.5 10.6 16.0#



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: 9.43 ng

RT: 7.69 min Scan# 508

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

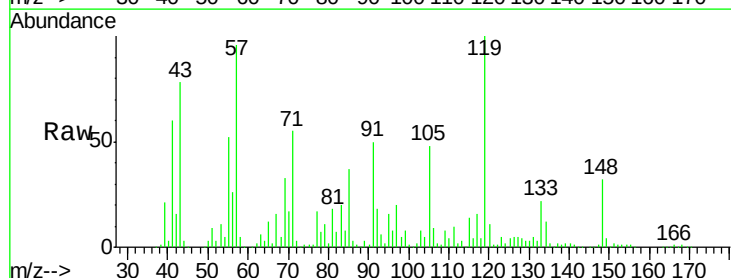
Tgt Ion:122 Resp: 12860

Ion Ratio Lower Upper

122 100

105 4440.2 113.8 153.8#

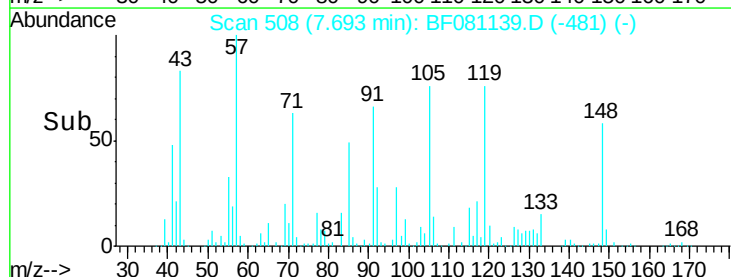
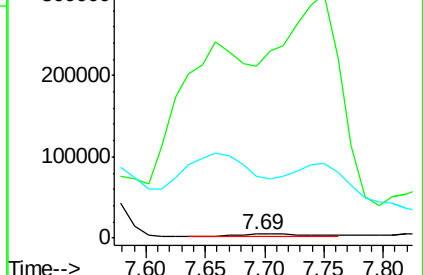
77 1597.3 93.8 133.8#

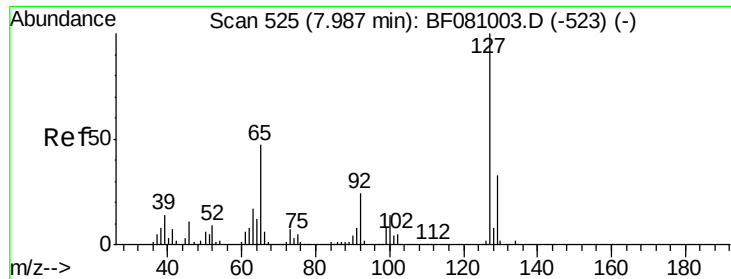


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

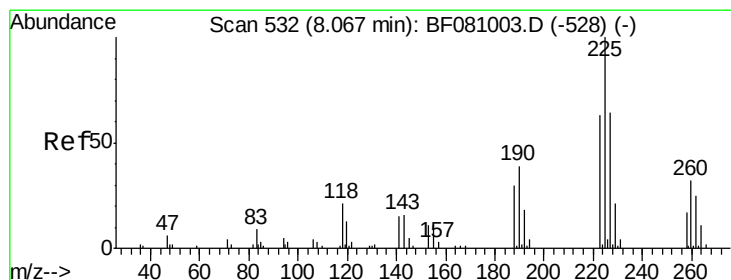
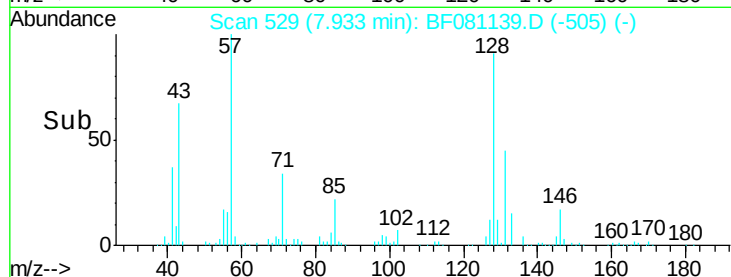
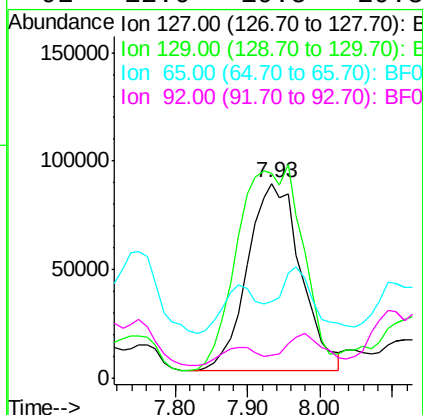
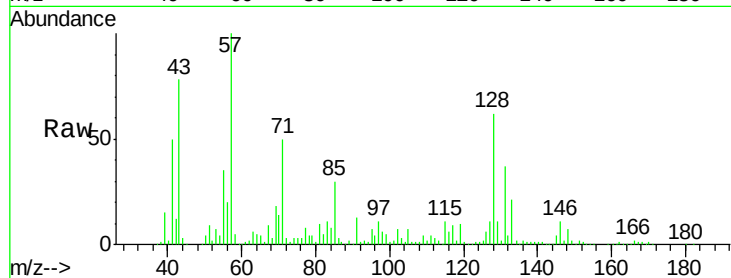




#33
4-Chloroaniline
Concen: 131.86 ng
RT: 7.93 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

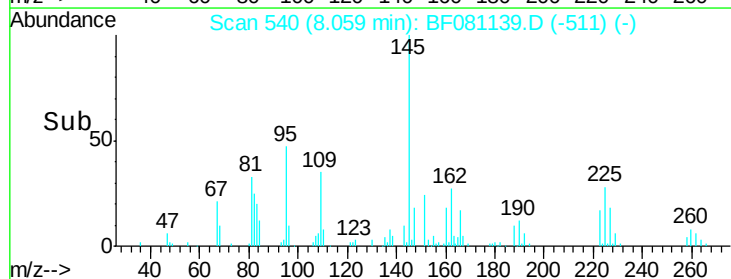
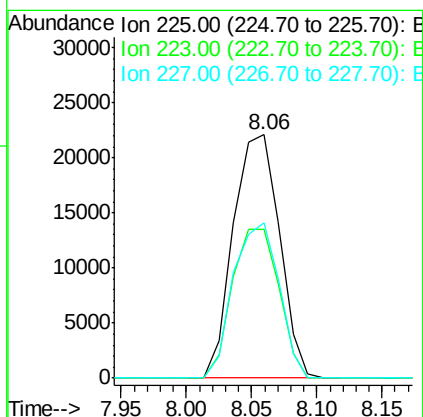
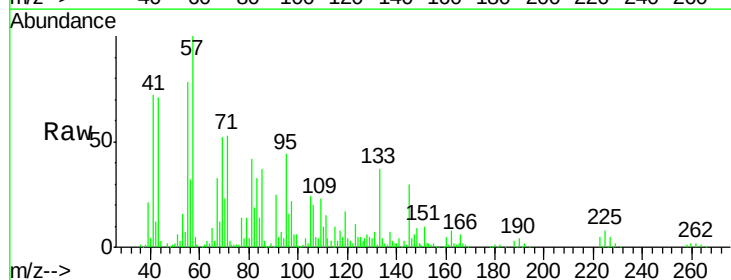
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

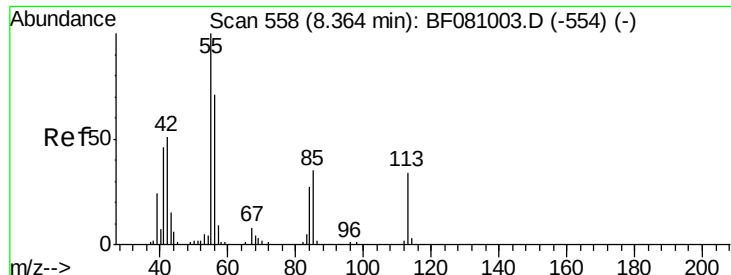
Tot Ion:127	Resp:	446367
Ion Ratio	Lower	Upper
127	100	
129	105.2	25.2 37.8#
65	39.2	37.8 56.6
92	12.0	19.5 29.3#



#34
Hexachlorobutadiene
Concen: 42.60 ng
RT: 8.06 min Scan# 540
Delta R.T. 0.03 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:225	Resp:	54630
Ion Ratio	Lower	Upper
225	100	
223	61.2	52.6 79.0
227	63.8	51.1 76.7





#35

Caprolactam

Concen: 370.43 ng

RT: 8.38 min Scan# 568

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

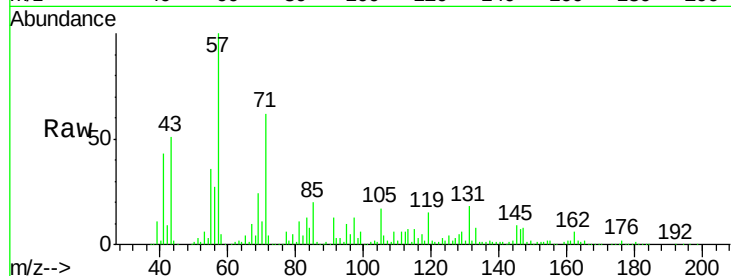
Tot Ion:113 Resp: 264179

Ion Ratio Lower Upper

113 100

55 488.9 280.4 320.4#

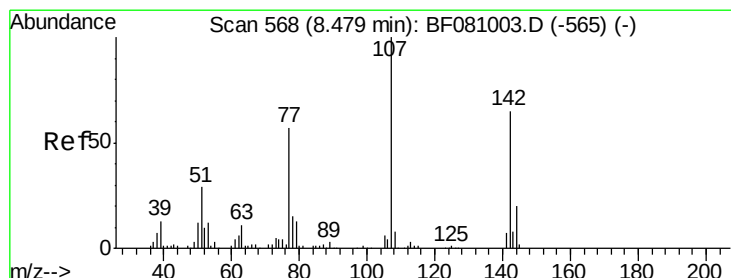
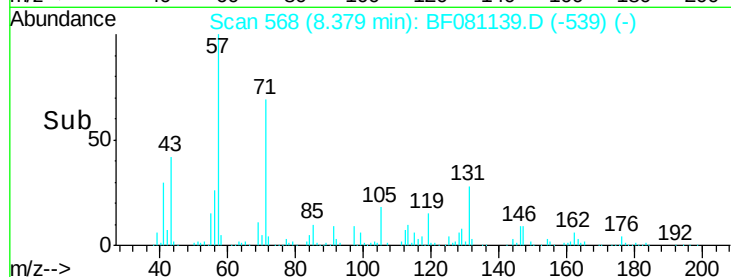
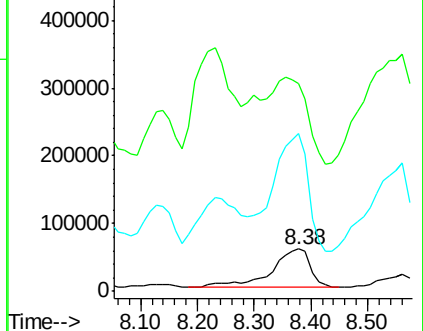
56 371.2 205.9 245.9#



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: 46.81 ng

RT: 8.48 min Scan# 577

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

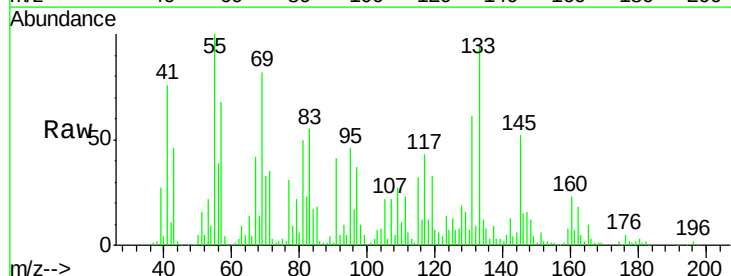
Tgt Ion:107 Resp: 113825

Ion Ratio Lower Upper

107 100

144 28.0 17.2 25.8#

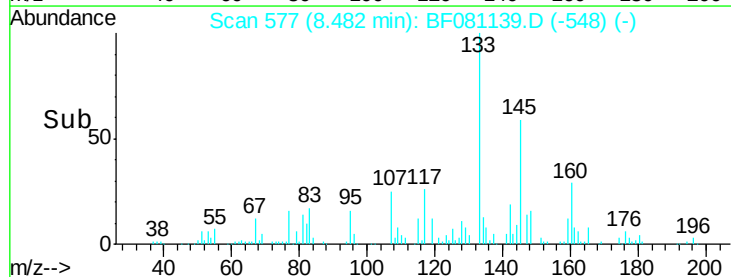
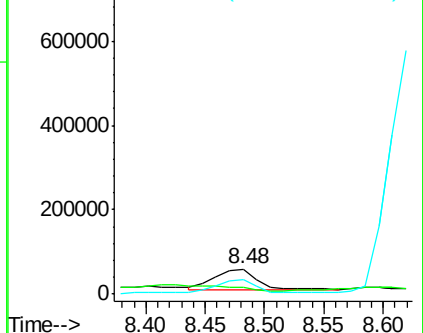
142 58.4 54.9 82.3

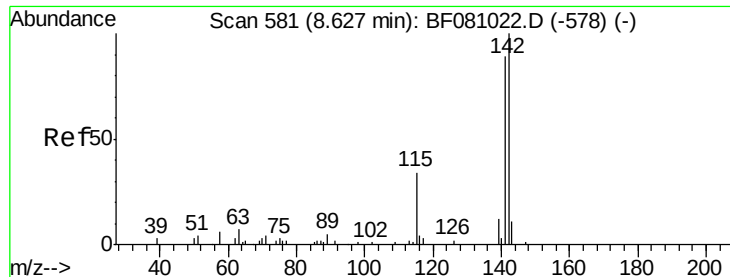


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

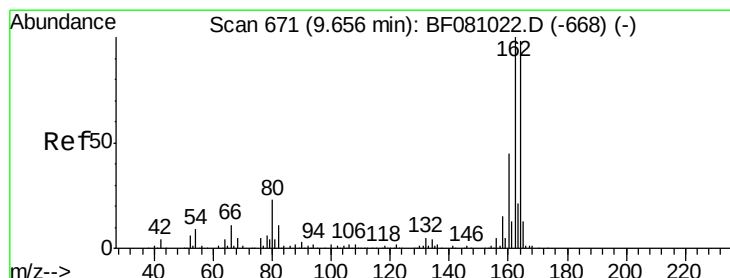
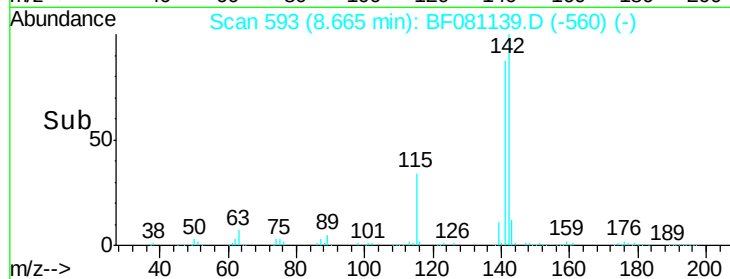
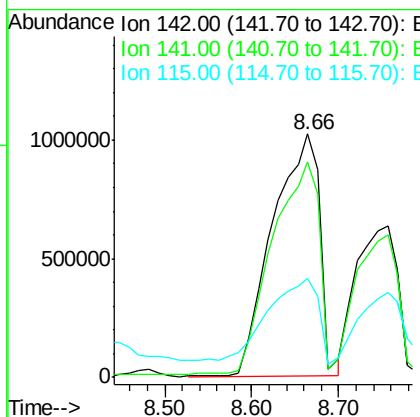
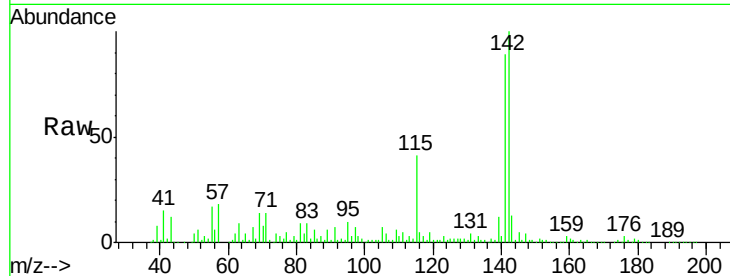




#37
 2-Methylnaphthalene
 Concen: 757.19 ng
 RT: 8.66 min Scan# 593
 Delta R.T. 0.08 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

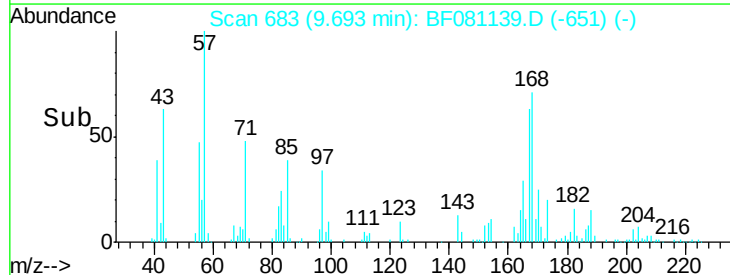
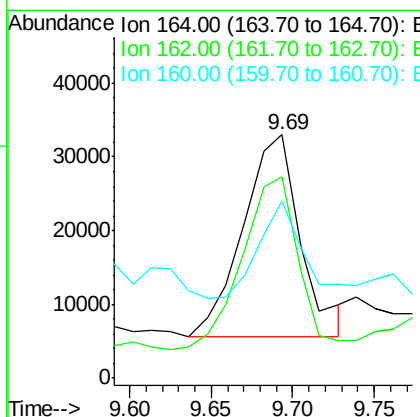
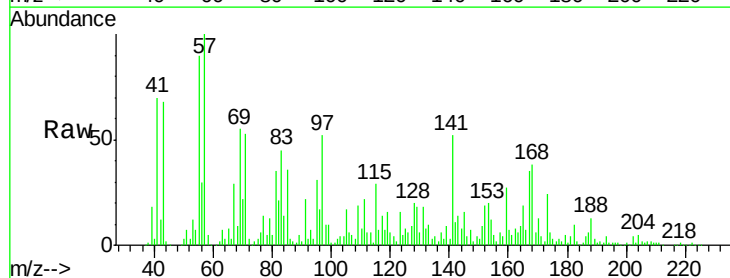
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

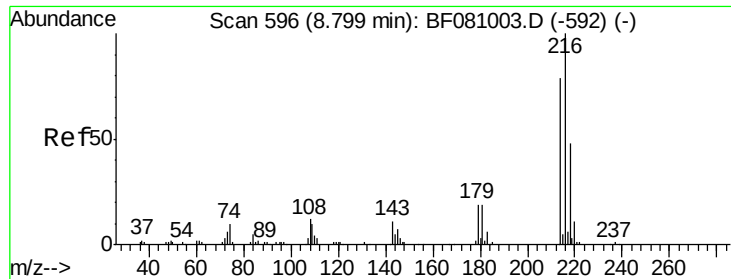
Tot Ion:142 Resp: 3837346
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.4 107.2
 115 40.6 33.4 50.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 683
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:164 Resp: 66961
 Ion Ratio Lower Upper
 164 100
 162 82.5 83.8 125.8#
 160 72.6 39.8 59.8#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.36 ng

RT: 8.81 min Scan# 606

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

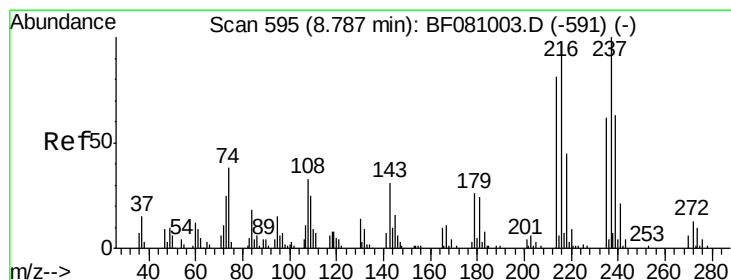
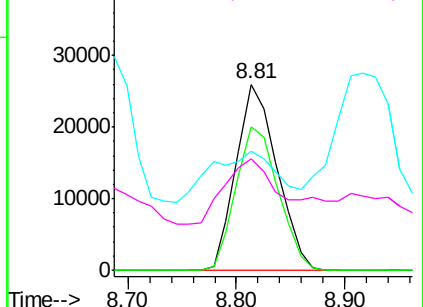
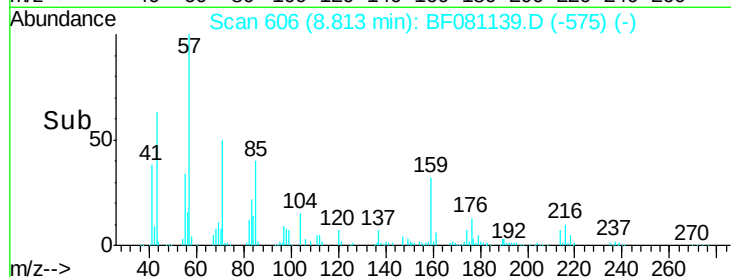
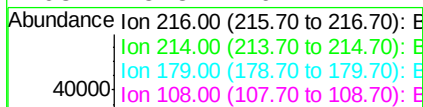
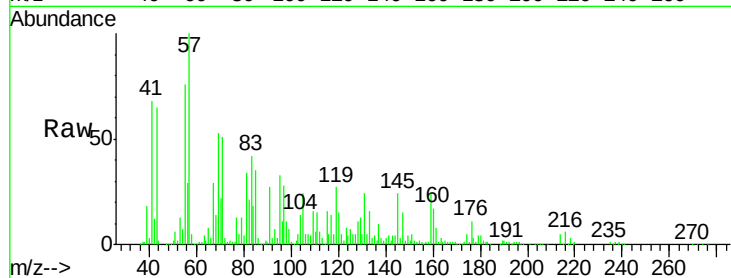
Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion:216	Resp:	67742
Ion Ratio	Lower	Upper
216	100	
214	80.0	63.8 95.8
179	51.1	17.8 26.8#
108	45.8	16.2 24.2#



#40

Hexachlorocyclopentadiene

Concen: 43.08 ng

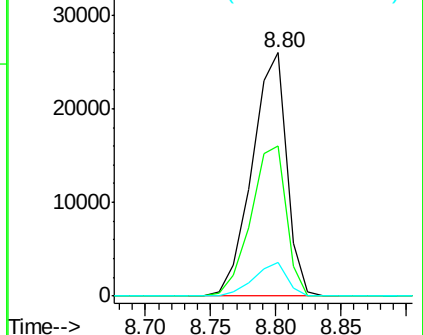
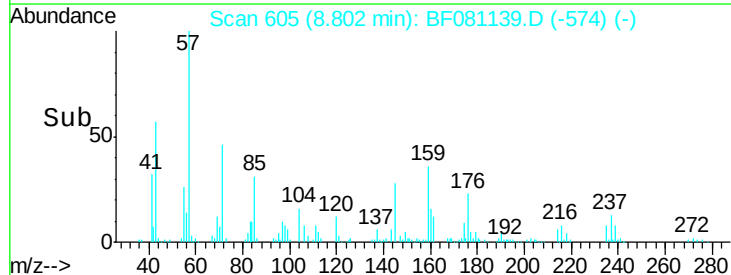
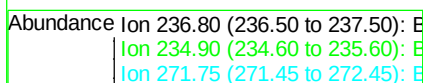
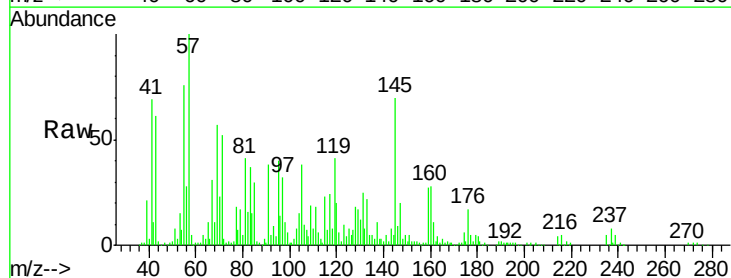
RT: 8.80 min Scan# 605

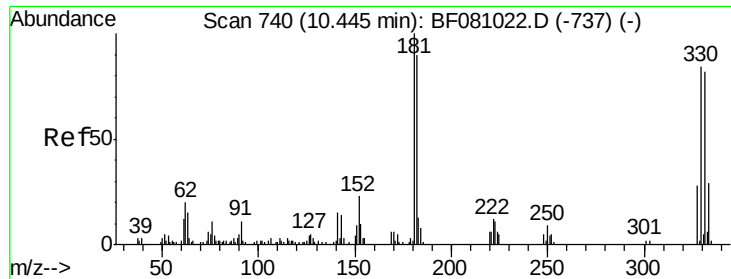
Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:237	Resp:	48178
Ion Ratio	Lower	Upper
237	100	
235	61.8	43.6 83.6
272	14.1	0.0 32.2





#41

2,4,6-Tribromophenol

Concen: 111.04 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

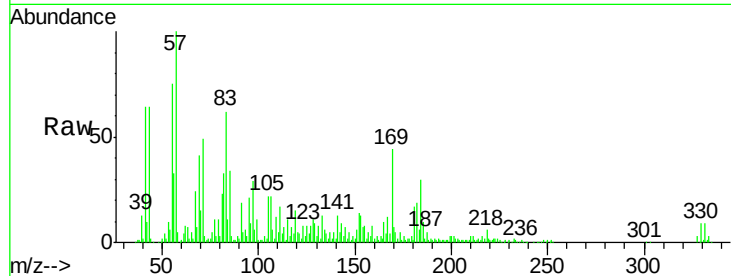
Tot Ion:330 Resp: 64455

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

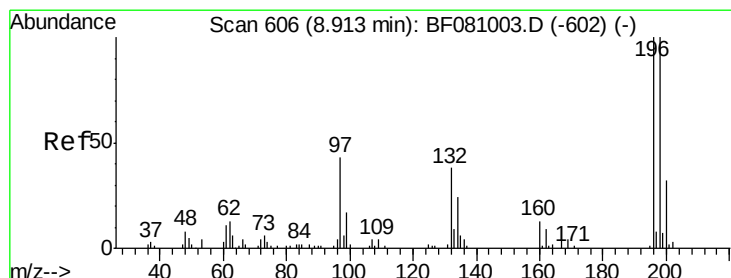
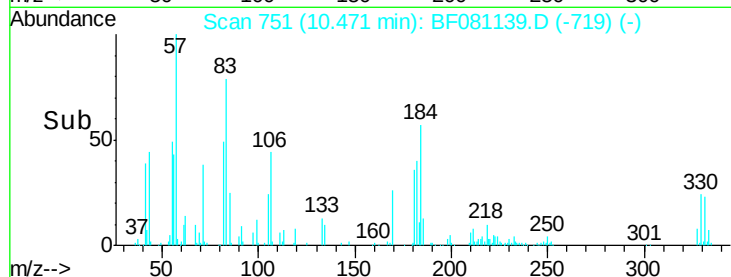
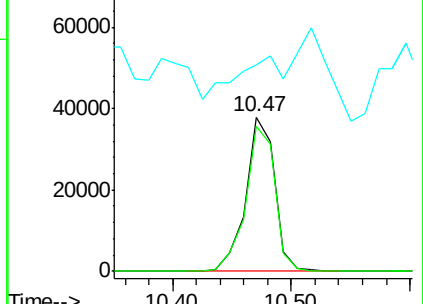
141 0.0 44.9 67.3#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 58.61 ng

RT: 8.93 min Scan# 616

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

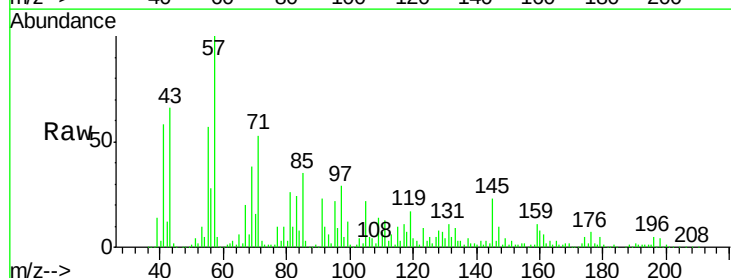
Tgt Ion:196 Resp: 89457

Ion Ratio Lower Upper

196 100

198 89.1 74.6 111.8

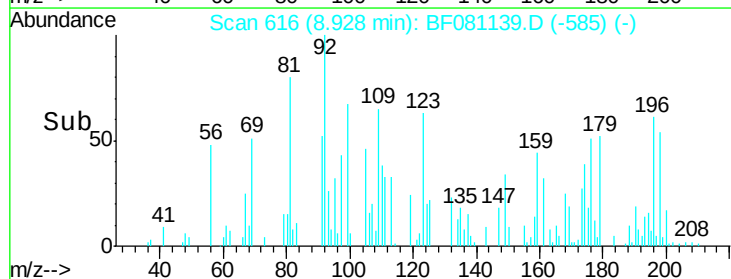
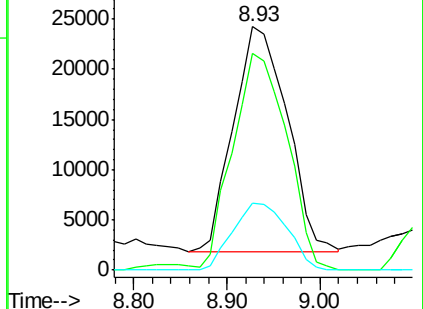
200 27.5 22.7 34.1

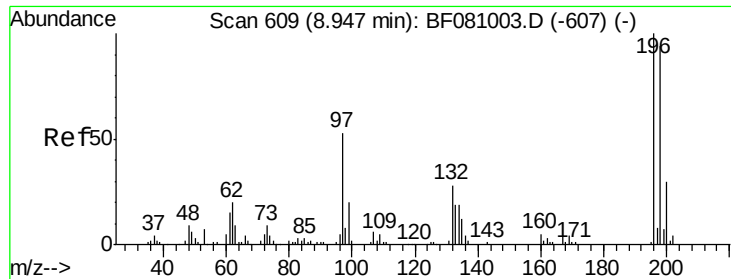


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

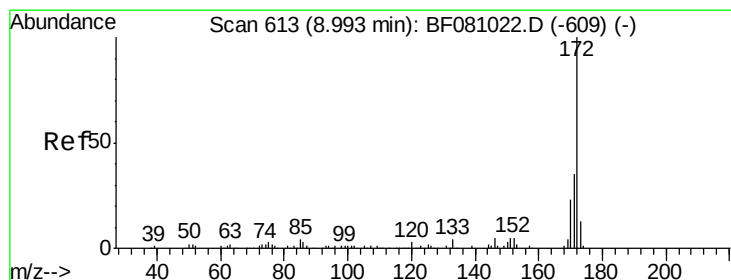
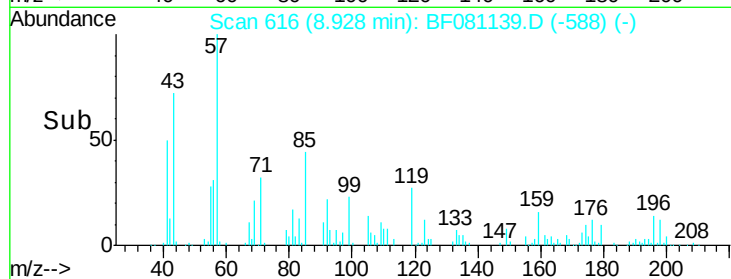
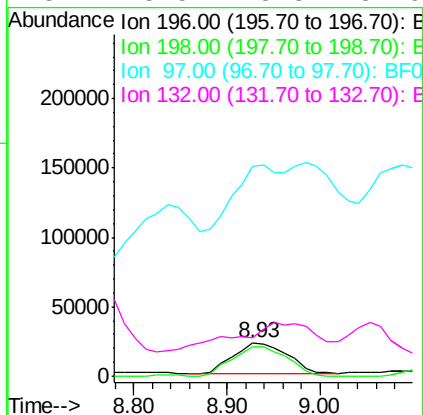
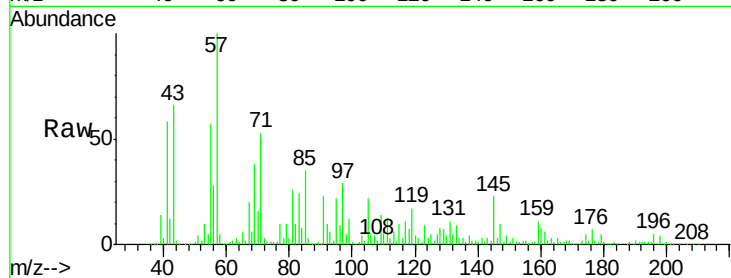




#43
 2,4,5-Trichlorophenol
 Concen: 58.64 ng
 RT: 8.93 min Scan# 616
 Delta R.T. 0.02 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

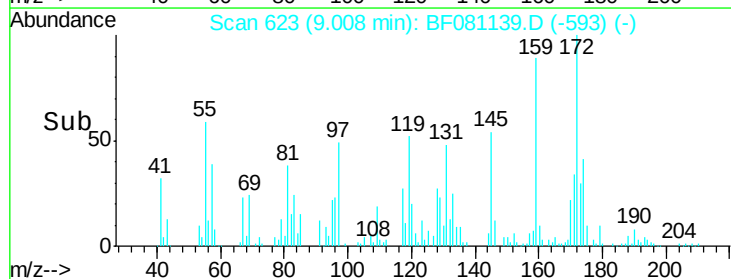
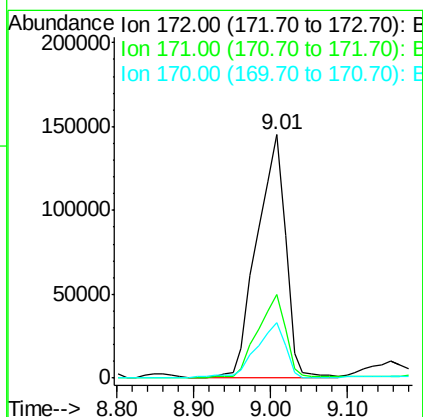
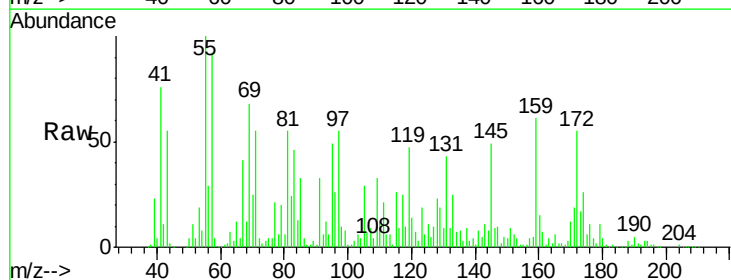
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

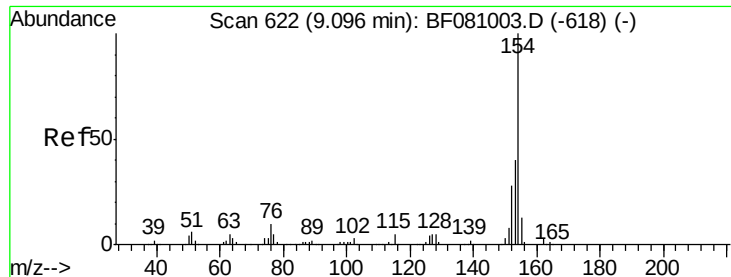
Tot Ion	Ratio	Lower	Upper
196	100		
198	89.1	78.3	117.5
97	623.5	42.7	64.1#
132	113.5	23.3	34.9#



#44
 2-Fluorobiphenyl
 Concen: 72.44 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.05 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.9	43.3
170	22.7	19.4	29.2





#45

1,1'-Biphenyl

Concen: 104.82 ng

RT: 9.11 min Scan# 632

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

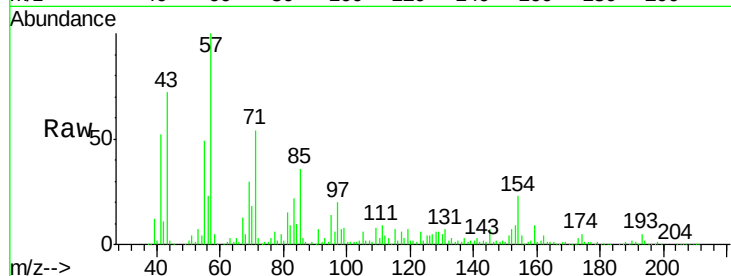
Tot Ion:154 Resp: 618243

Ion Ratio Lower Upper

154 100

153 41.5 19.5 59.5

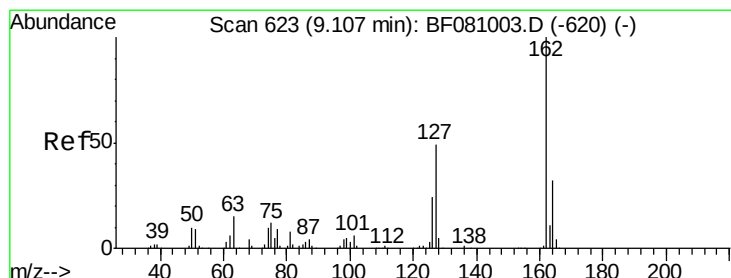
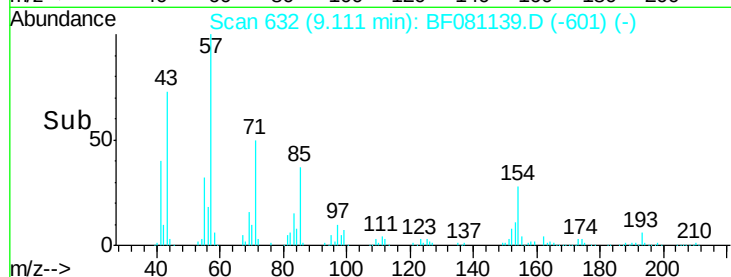
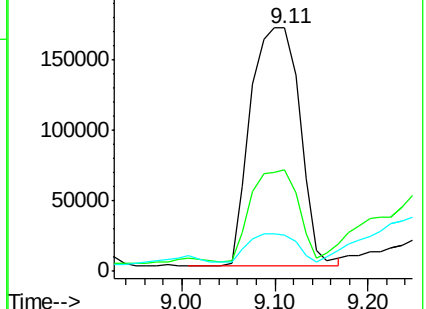
76 15.0 0.0 29.3



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: 34.46 ng

RT: 9.14 min Scan# 635

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

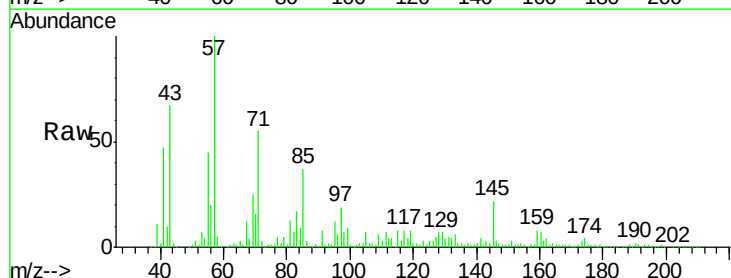
Tgt Ion:162 Resp: 163305

Ion Ratio Lower Upper

162 100

127 130.1 31.3 46.9#

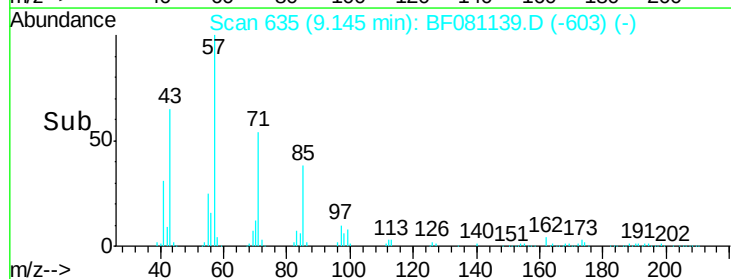
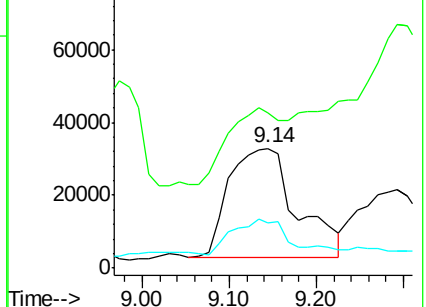
164 37.4 26.3 39.5

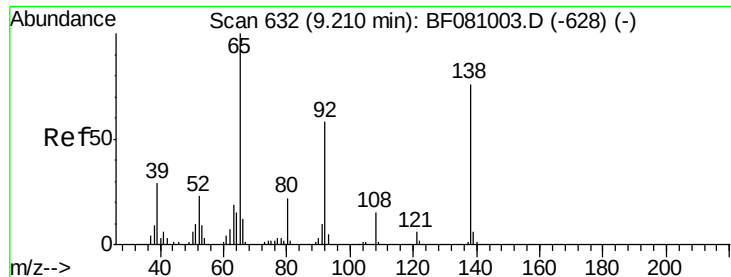


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

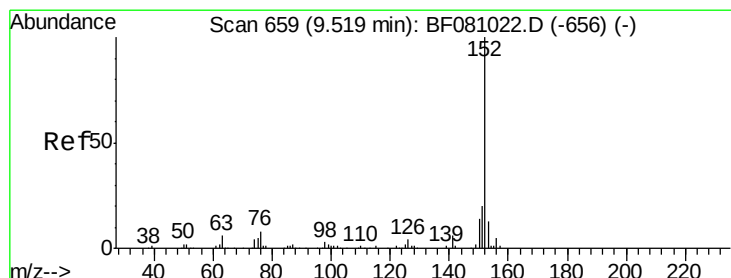
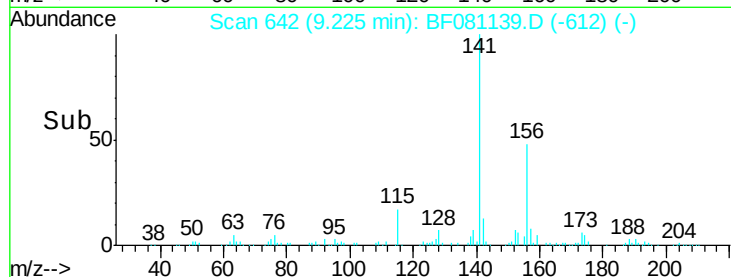
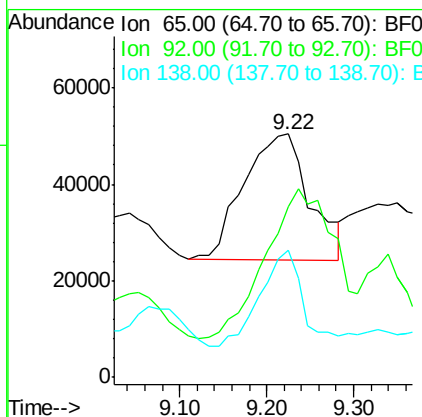
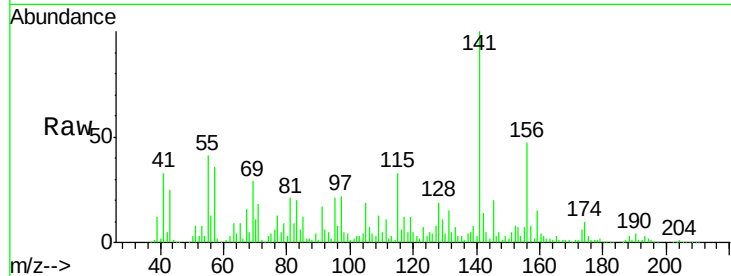




#47
2-Nitroaniline
Concen: 70.95 ng
RT: 9.22 min Scan# 642
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

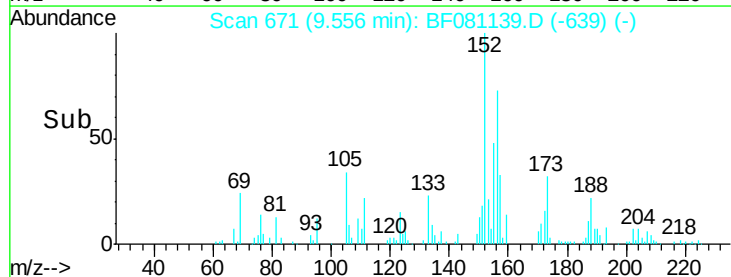
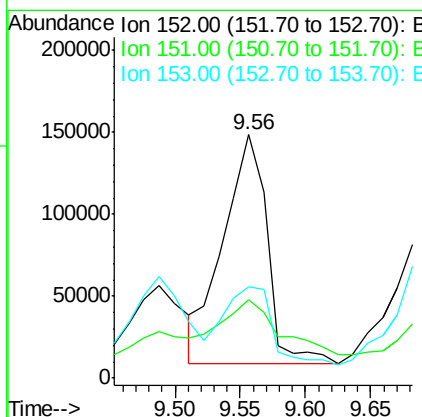
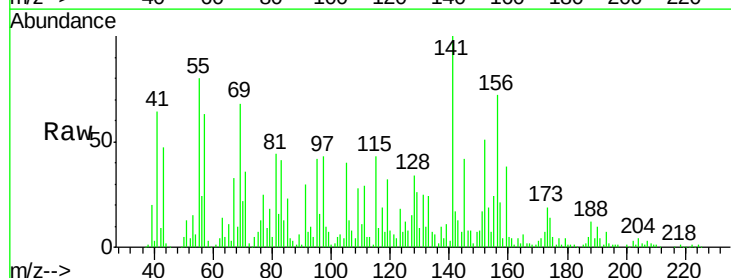
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

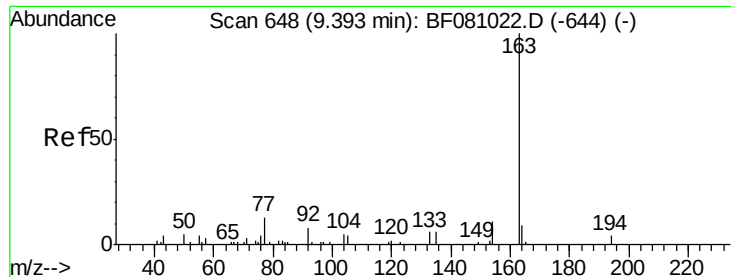
Tot Ion: 65 Resp: 137577
Ion Ratio Lower Upper
65 100
92 70.2 45.6 68.4#
138 52.2 57.9 86.9#



#48
Acenaphthylene
Concen: 38.53 ng
RT: 9.56 min Scan# 671
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion: 152 Resp: 326562
Ion Ratio Lower Upper
152 100
151 32.3 16.1 24.1#
153 37.6 9.8 14.6#

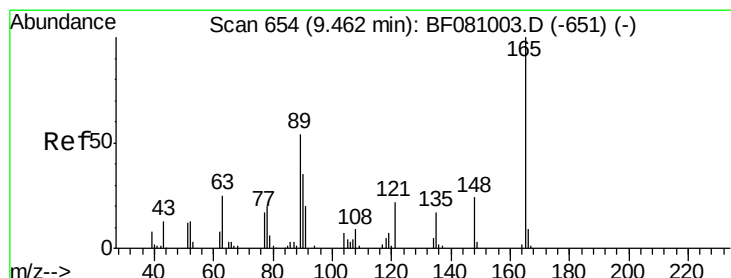
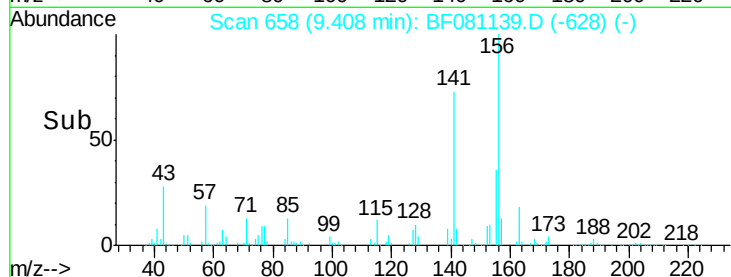
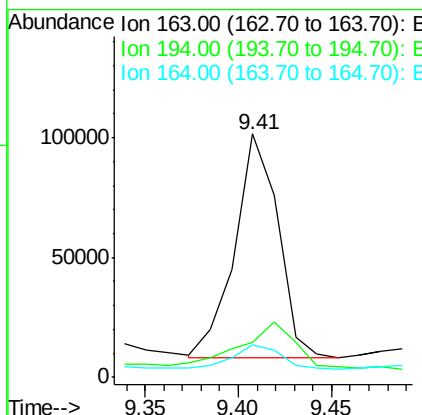
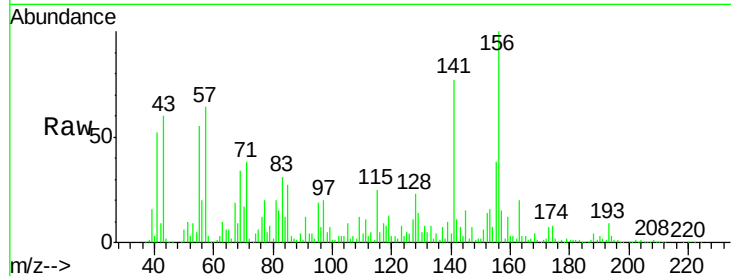




#49
Dimethylphthalate
Concen: 27.25 ng
RT: 9.41 min Scan# 658
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

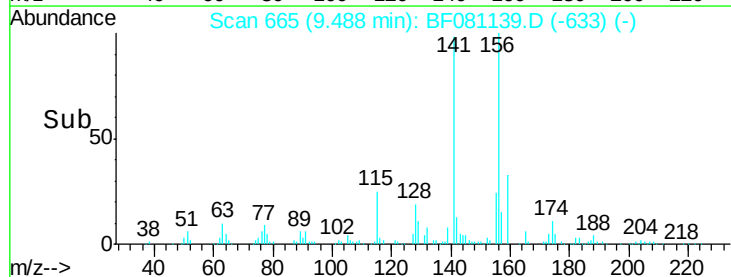
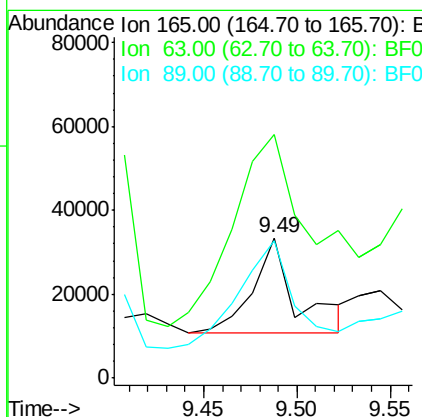
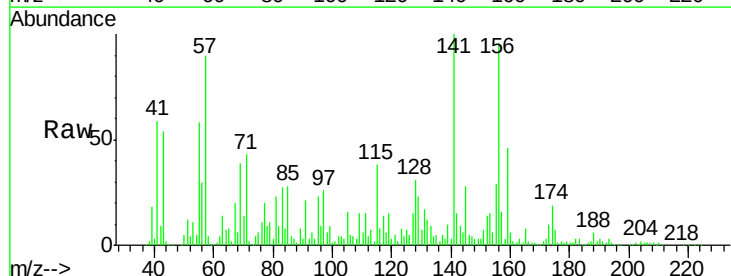
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

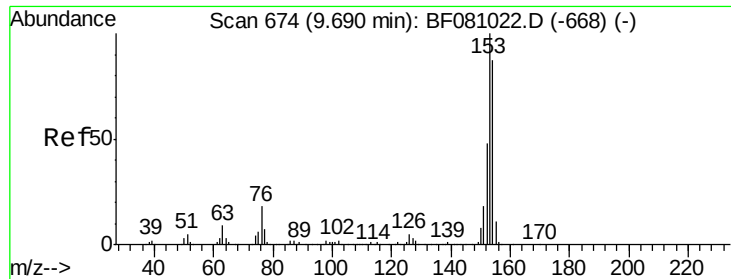
Tot Ion:163 Resp: 150285
Ion Ratio Lower Upper
163 100
194 14.6 2.5 3.7#
164 13.4 8.1 12.1#



#50
2,6-Dinitrotoluene
Concen: 31.70 ng
RT: 9.49 min Scan# 665
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:165 Resp: 37531
Ion Ratio Lower Upper
165 100
63 173.3 49.5 74.3#
89 97.4 47.6 71.4#





#51

Acenaphthene

Concen: 65.75 ng

RT: 9.73 min Scan# 686

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

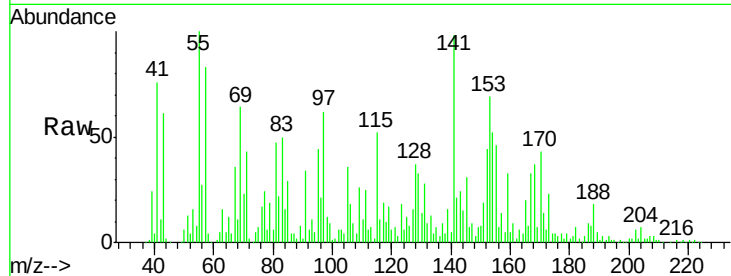
Tot Ion:154 Resp: 333648

Ion Ratio Lower Upper

154 100

153 130.9 91.4 137.2

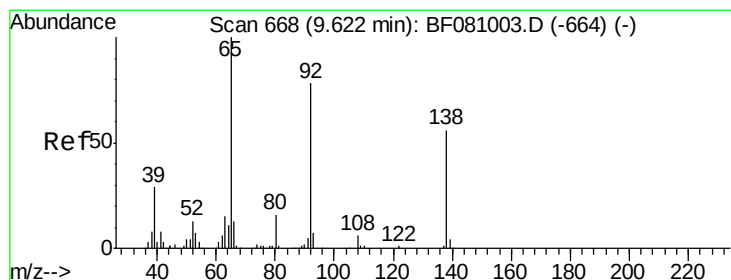
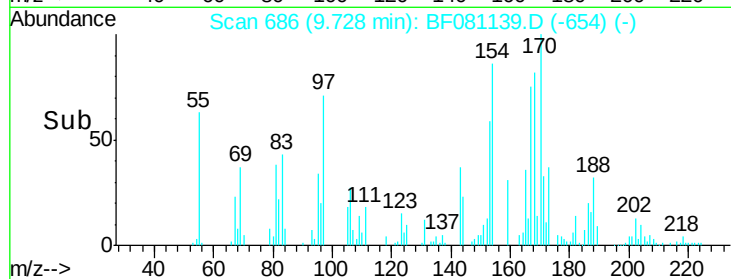
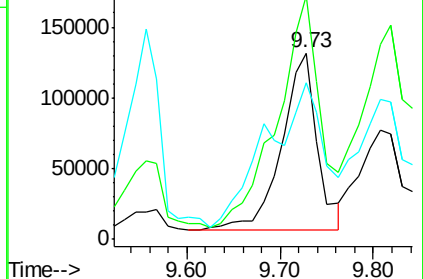
152 83.9 43.7 65.5#



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: 3.88 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.09 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

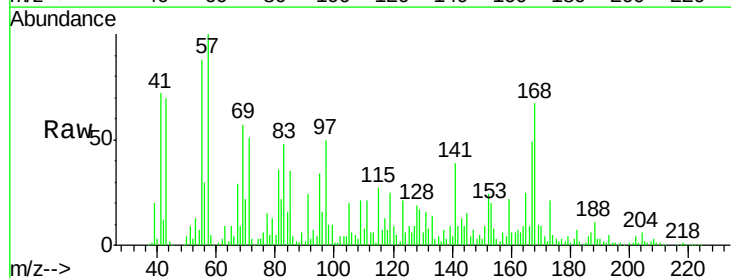
Tgt Ion:138 Resp: 5747

Ion Ratio Lower Upper

138 100

108 88.1 9.4 14.2#

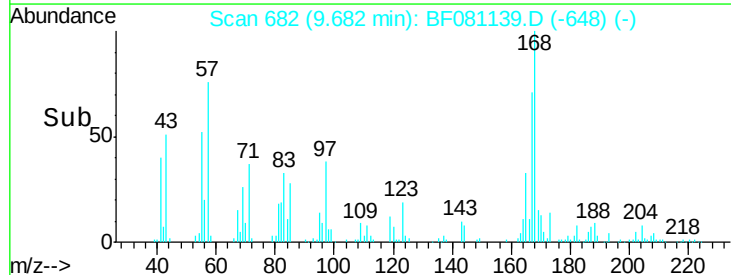
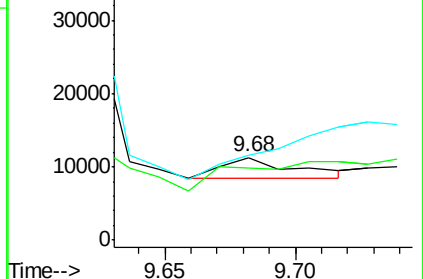
92 103.6 113.2 169.8#

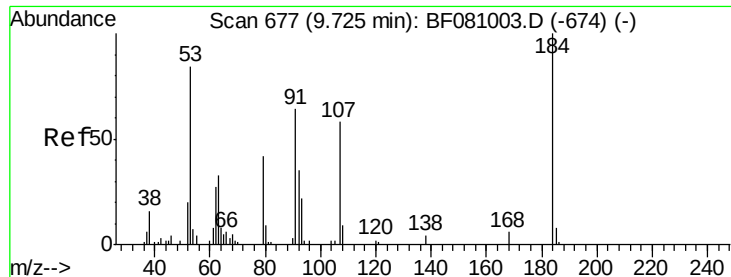


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

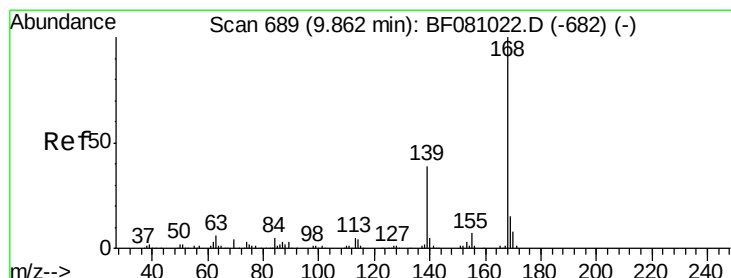
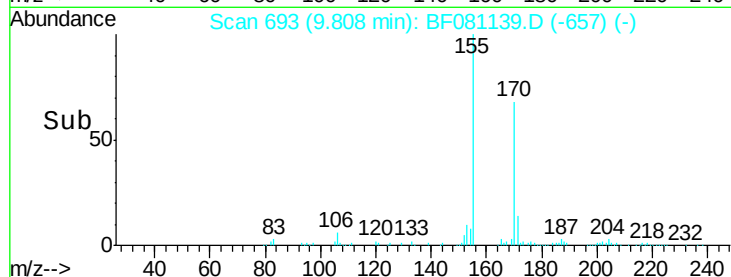
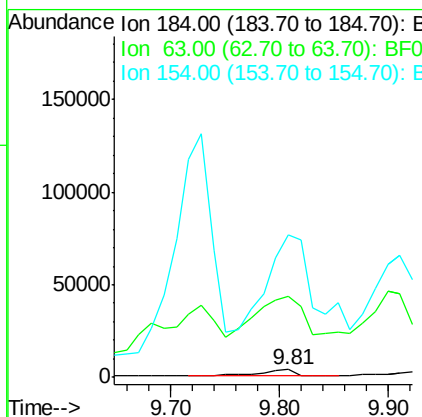
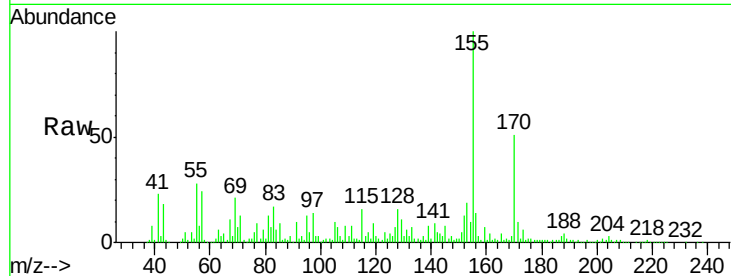




#53
 2,4-Dinitrophenol
 Concen: 18.27 ng
 RT: 9.81 min Scan# 693
 Delta R.T. 0.11 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

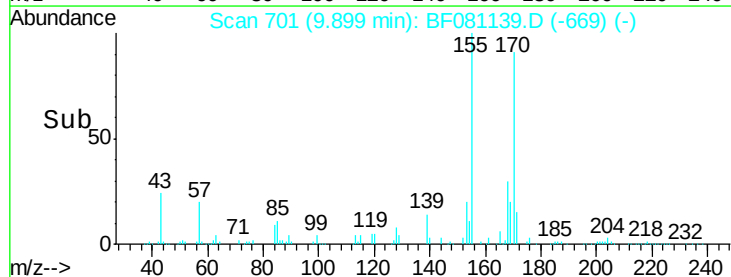
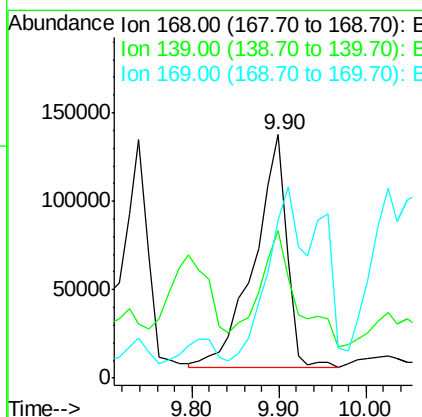
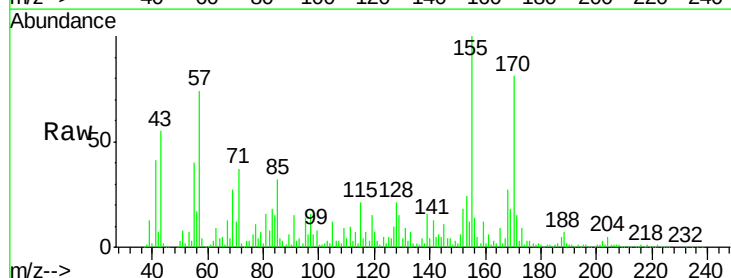
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

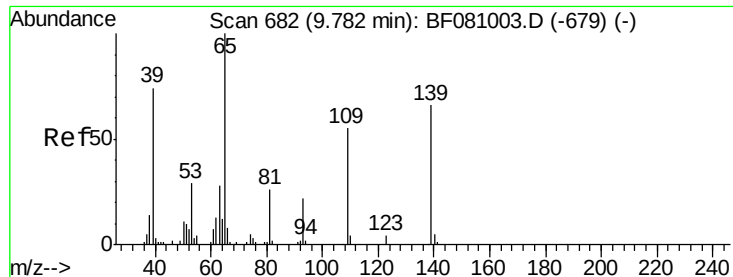
Tot Ion:184 Resp: 9018
 Ion Ratio Lower Upper
 184 100
 63 1065.9 101.7 152.5#
 154 1884.4 67.4 101.0#



#54
 Dibenzofuran
 Concen: 50.34 ng
 RT: 9.90 min Scan# 701
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:168 Resp: 342298
 Ion Ratio Lower Upper
 168 100
 139 60.5 29.3 43.9#
 169 64.6 10.3 15.5#





#55

4-Nitrophenol

Concen: 171.53 ng

RT: 9.80 min Scan# 692

Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

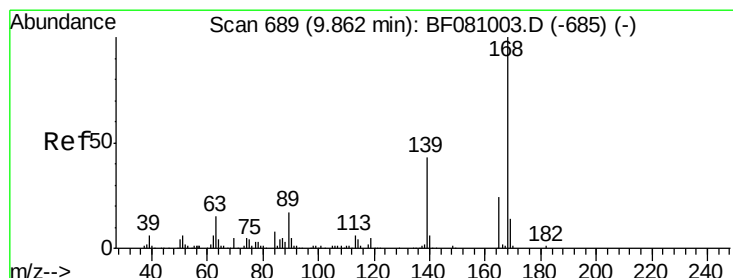
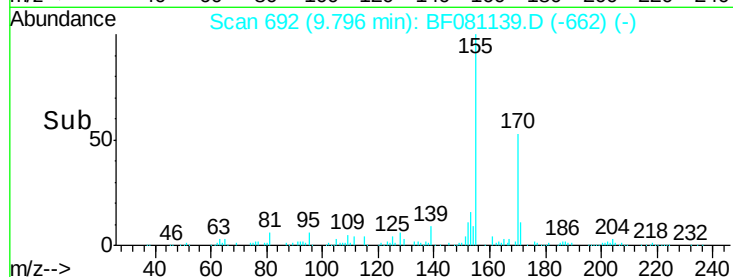
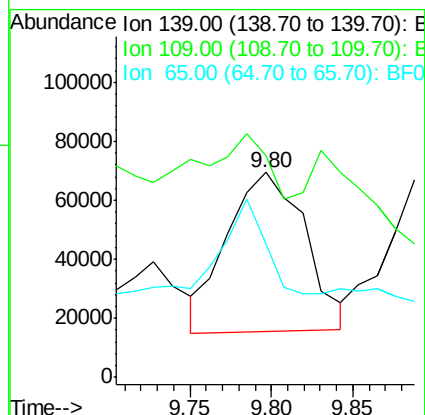
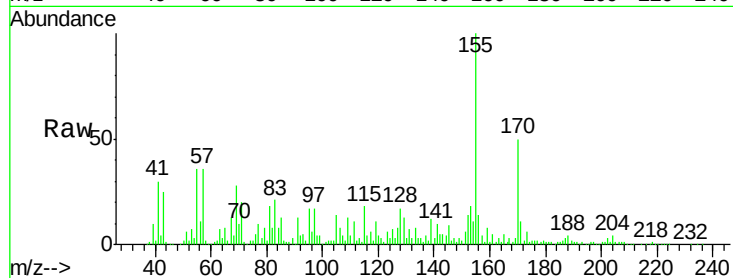
Tot Ion:139 Resp: 178503

Ion Ratio Lower Upper

139 100

109 108.5 80.0 120.0

65 65.2 138.3 178.3#



#56

2,4-Dinitrotoluene

Concen: 70.89 ng

RT: 9.91 min Scan# 702

Delta R.T. 0.09 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:165 Resp: 111248

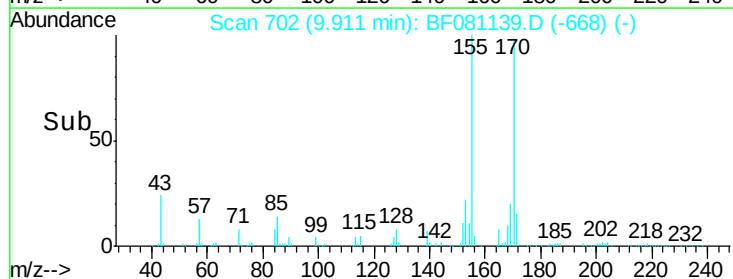
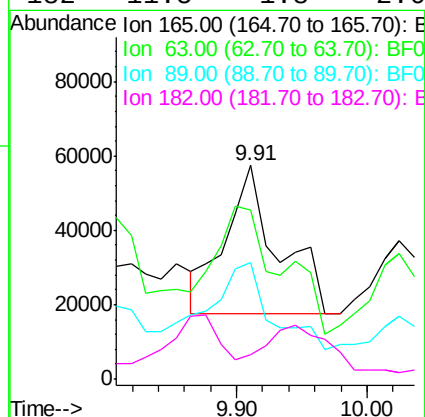
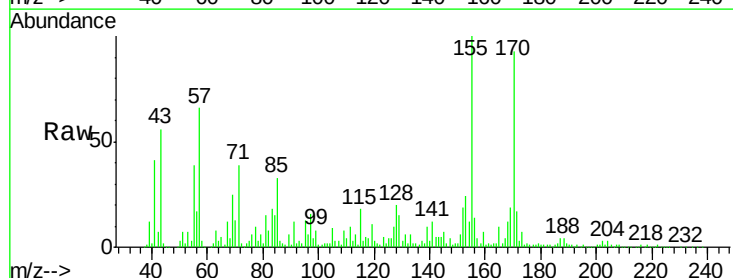
Ion Ratio Lower Upper

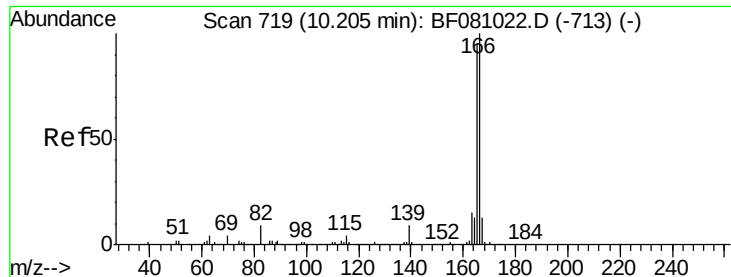
165 100

63 78.9 52.2 78.4#

89 54.4 60.1 90.1#

182 11.5 1.8 2.6#

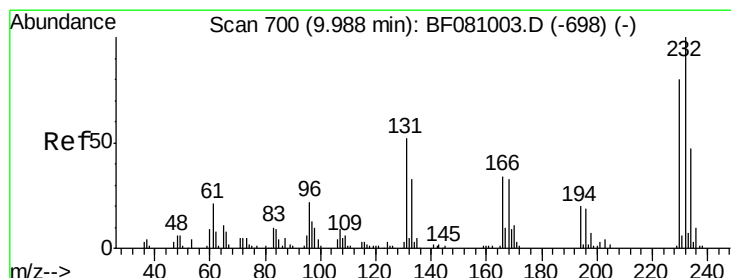
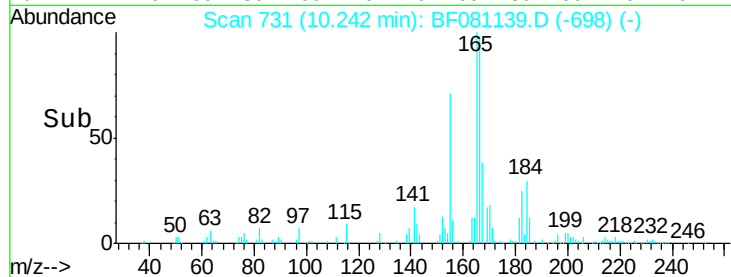
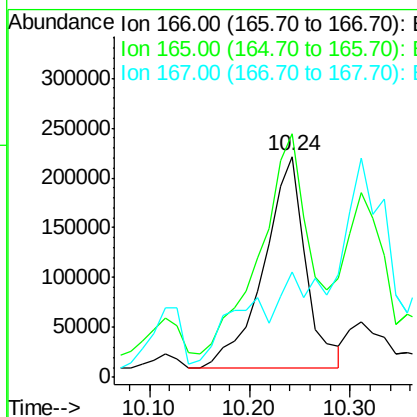
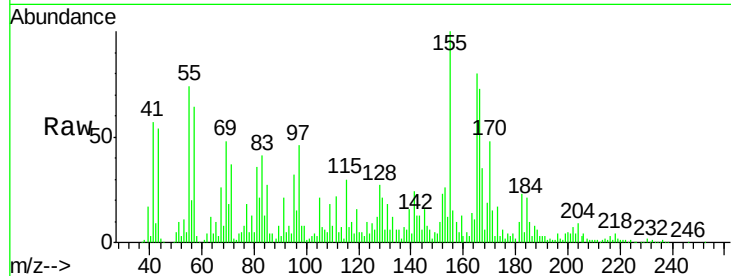




#57
 Fluorene
 Concen: 118.14 ng
 RT: 10.24 min Scan# 731
 Delta R.T. 0.08 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

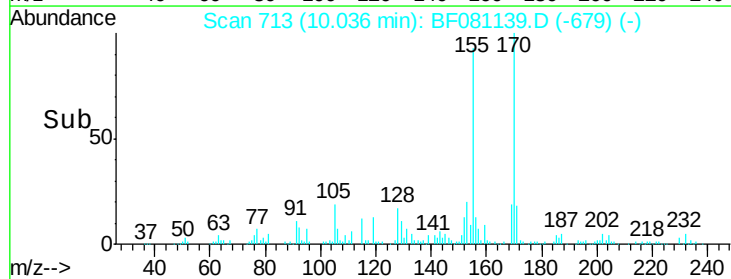
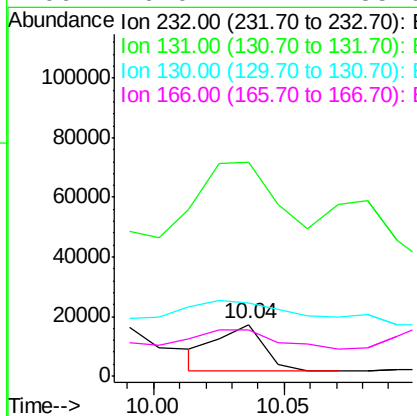
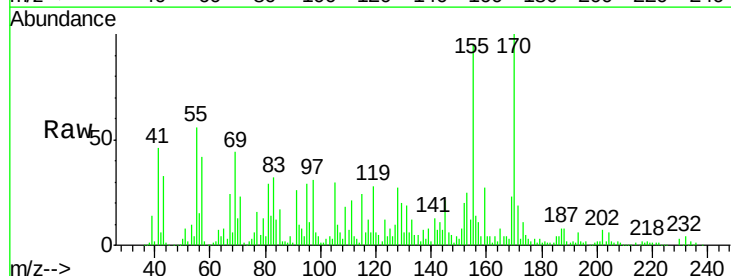
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

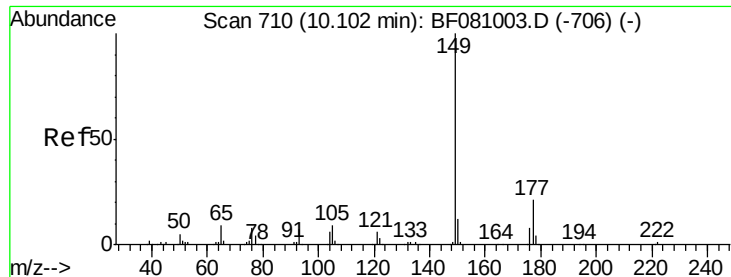
Tot Ion:166 Resp: 618004
 Ion Ratio Lower Upper
 166 100
 165 110.4 75.8 113.8
 167 47.6 11.3 16.9#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 16.58 ng
 RT: 10.04 min Scan# 713
 Delta R.T. 0.09 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:232 Resp: 19577
 Ion Ratio Lower Upper
 232 100
 131 595.7 42.2 63.4#
 130 169.1 2.1 3.1#
 166 0.0 22.4 33.6#

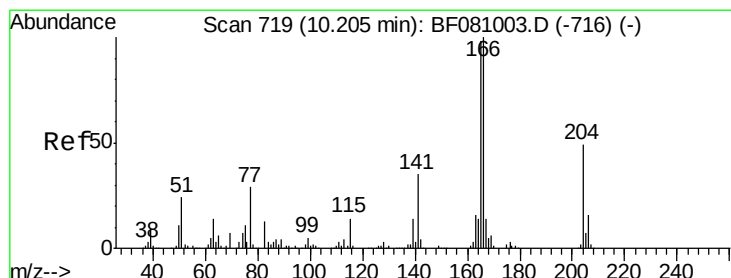
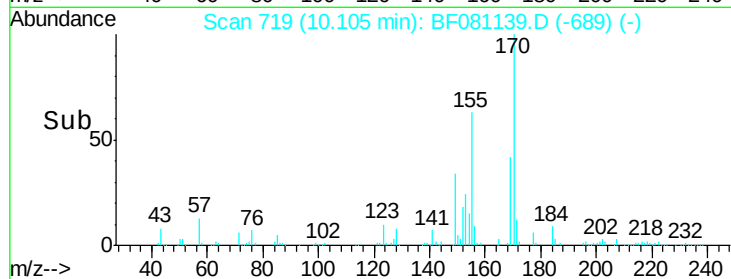
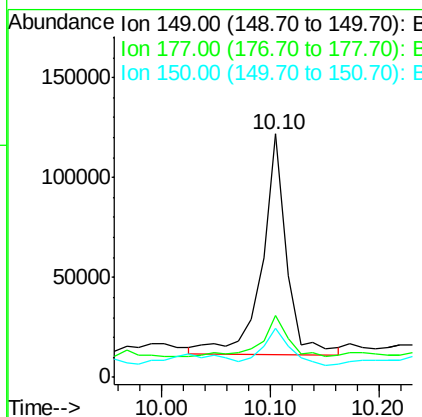
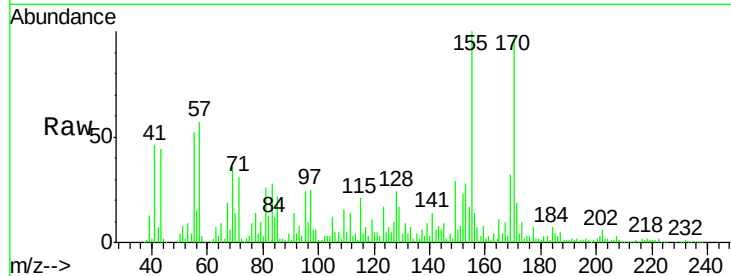




#59
Diethylphthalate
Concen: 30.19 ng
RT: 10.10 min Scan# 719
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

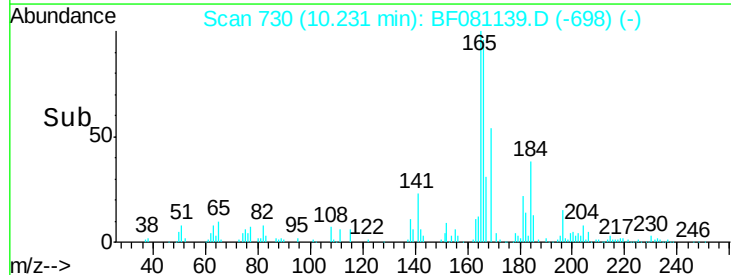
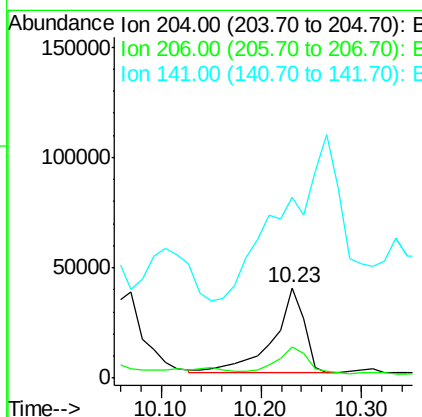
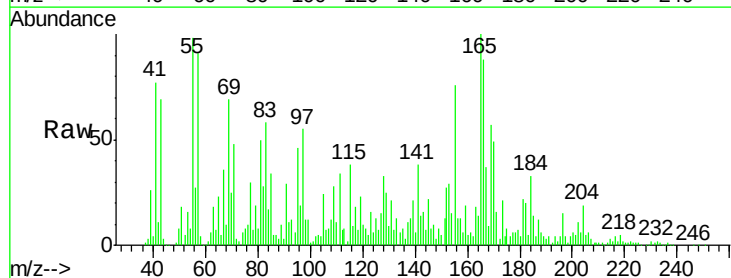
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

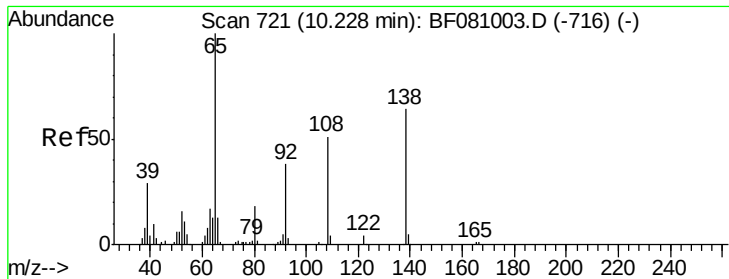
Tot Ion	Ratio	Lower	Upper
149	100		
177	25.3	14.1	21.1#
150	20.0	10.3	15.5#



#60
4-Chlorophenyl-phenylether
Concen: 37.26 ng
RT: 10.23 min Scan# 730
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.2	39.2
141	199.5	59.6	89.4#

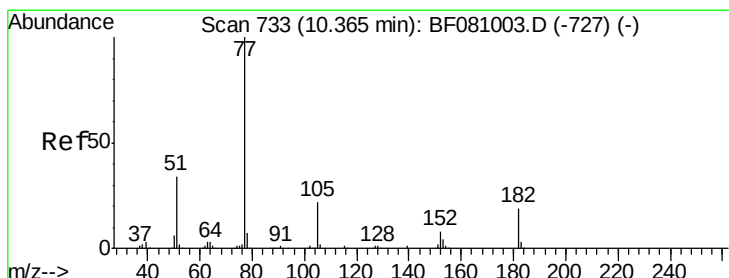
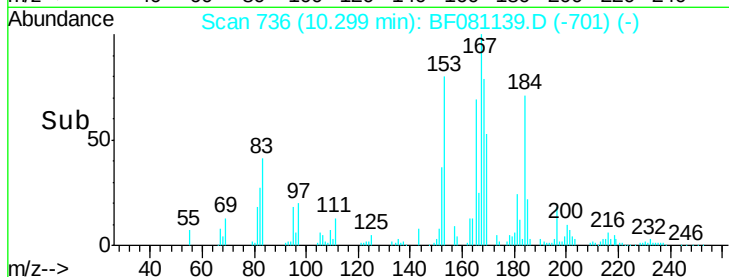
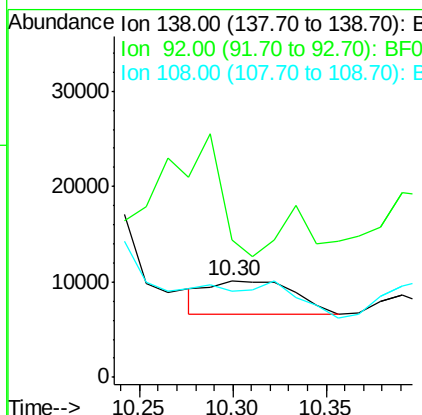
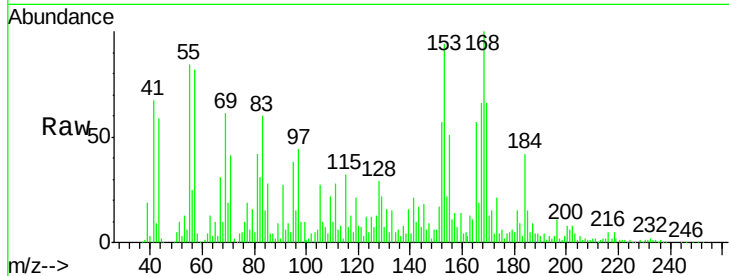




#61
4-Nitroaniline
Concen: 7.32 ng
RT: 10.30 min Scan# 736
Delta R.T. 0.10 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

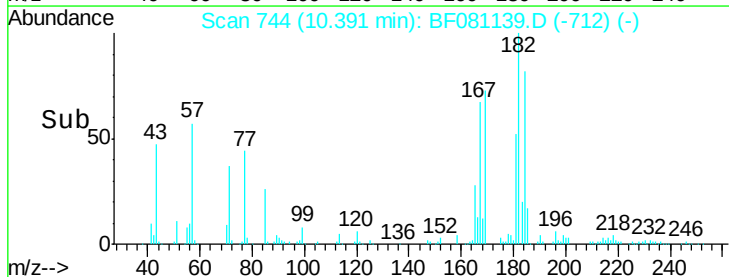
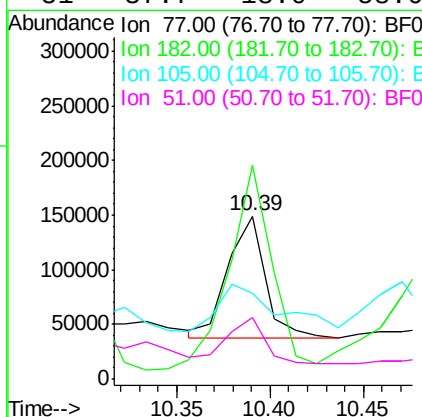
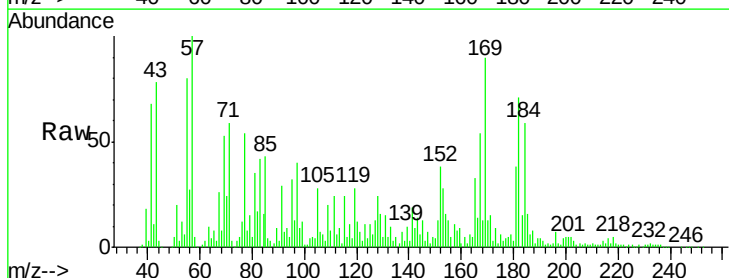
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

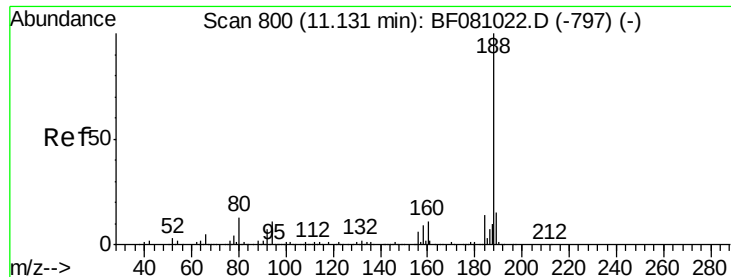
Tot Ion:138 Resp: 11083
Ion Ratio Lower Upper
138 100
92 141.5 34.7 74.7#
108 89.2 68.9 108.9



#62
Azobenzene
Concen: 23.35 ng
RT: 10.39 min Scan# 744
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion: 77 Resp: 157072
Ion Ratio Lower Upper
77 100
182 131.0 0.0 39.0#
105 52.2 0.2 40.2#
51 37.7 18.0 58.0

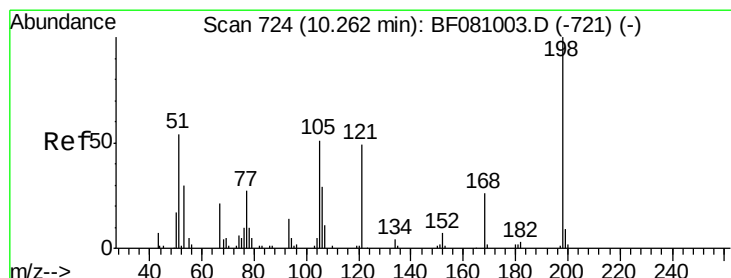
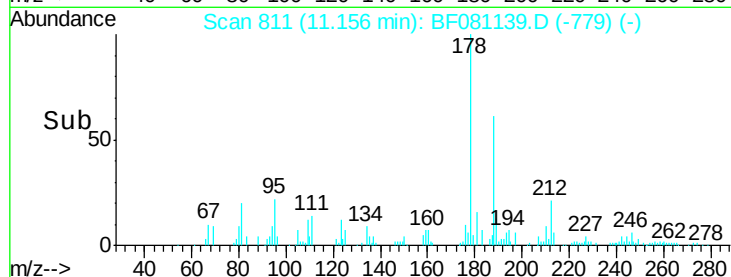
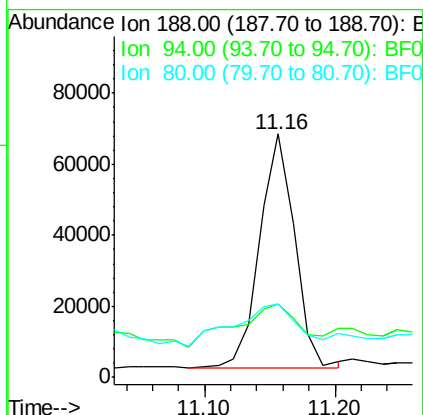
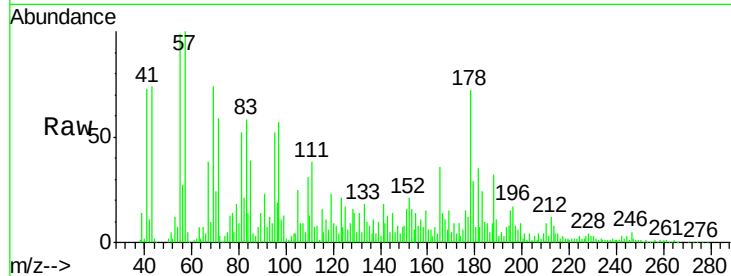




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

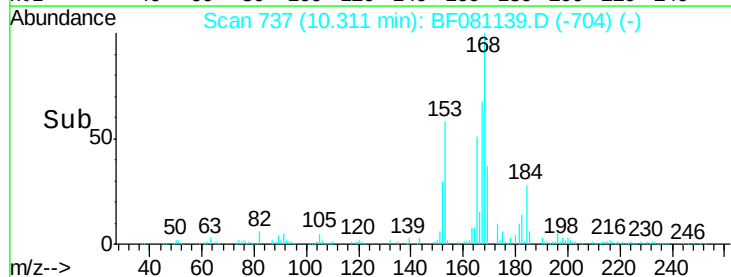
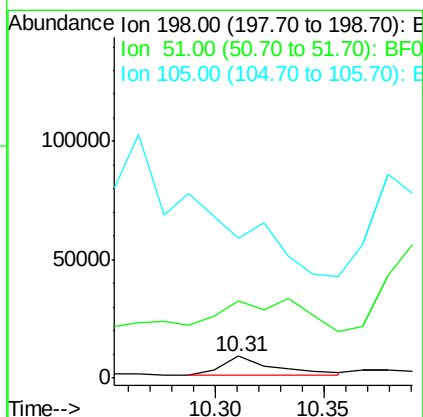
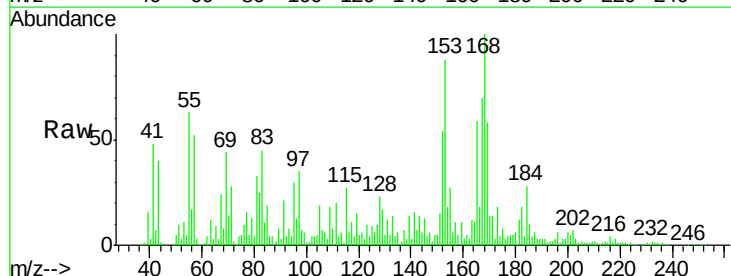
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

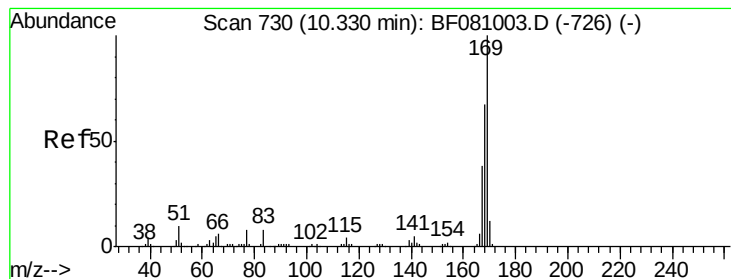
Tot Ion:188 Resp: 123921
Ion Ratio Lower Upper
188 100
94 30.0 8.2 12.2#
80 30.0 9.5 14.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 17.75 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.08 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:198 Resp: 13134
Ion Ratio Lower Upper
198 100
51 349.5 79.7 119.7#
105 636.9 47.0 87.0#

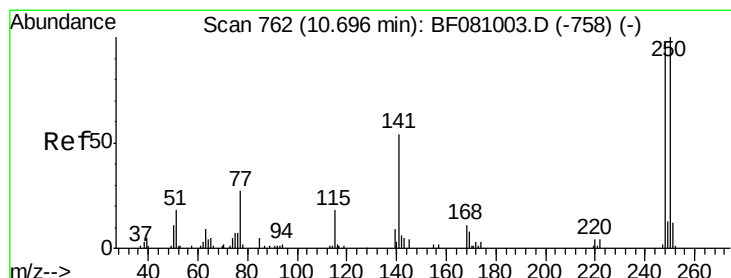
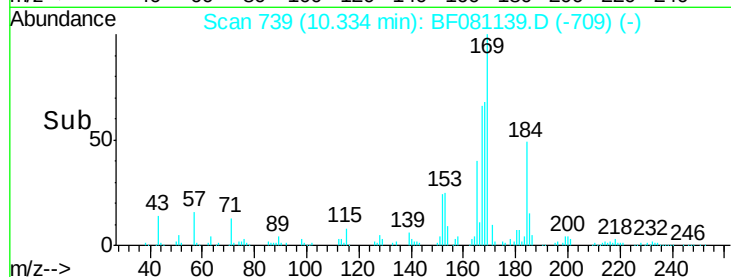
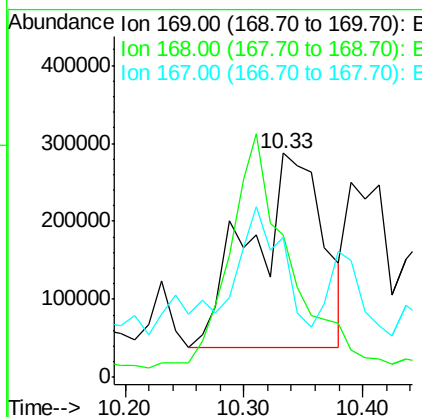
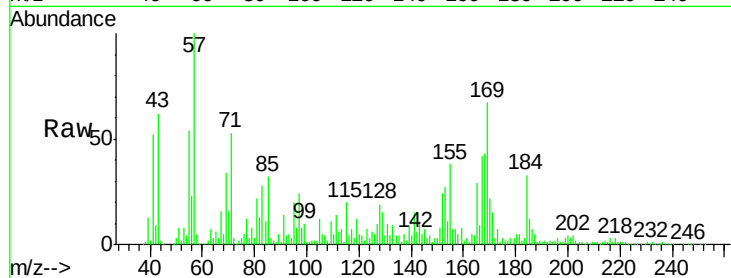




#65
 n-Nitrosodiphenylamine
 Concen: 238.21 ng
 RT: 10.33 min Scan# 739
 Delta R.T. 0.05 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

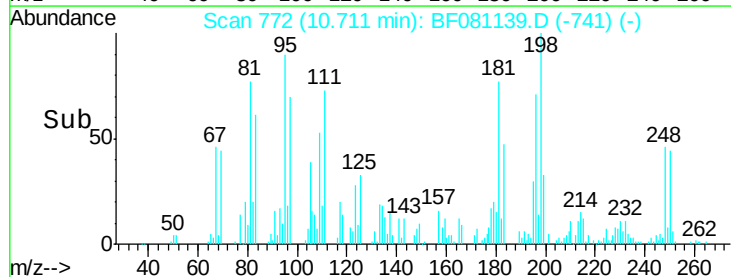
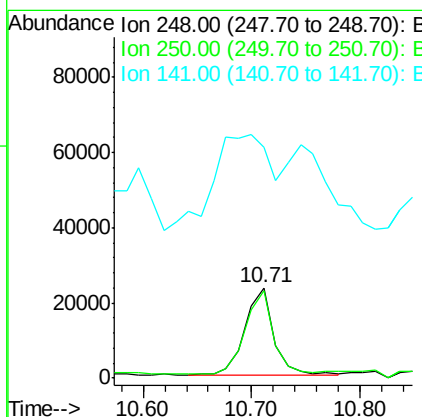
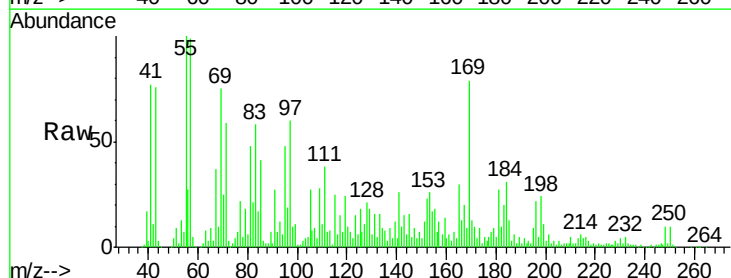
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

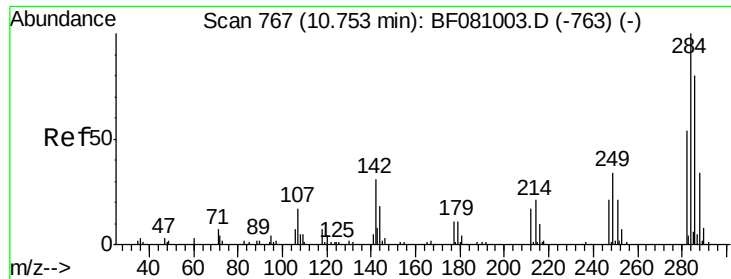
Tot Ion:169 Resp: 1053713
 Ion Ratio Lower Upper
 169 100
 168 63.8 55.3 82.9
 167 62.4 30.8 46.2#



#66
 4-Bromophenyl-phenylether
 Concen: 35.18 ng
 RT: 10.71 min Scan# 772
 Delta R.T. 0.06 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:248 Resp: 42833
 Ion Ratio Lower Upper
 248 100
 250 97.1 77.8 116.6
 141 255.0 39.8 59.6#





#67

Hexachlorobenzene

Concen: 30.97 ng

RT: 10.82 min Scan# 782

Delta R.T. 0.11 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

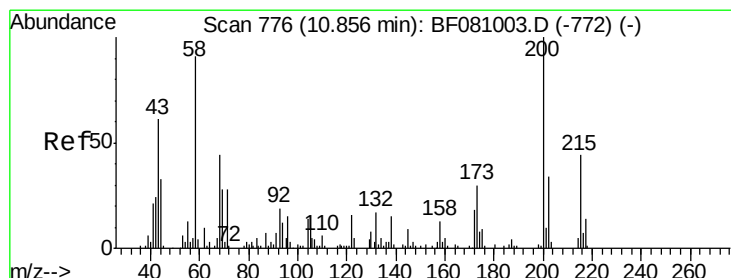
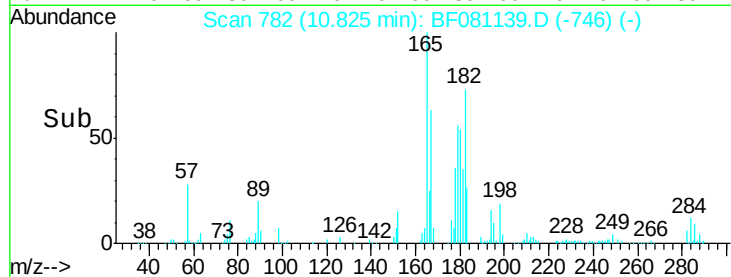
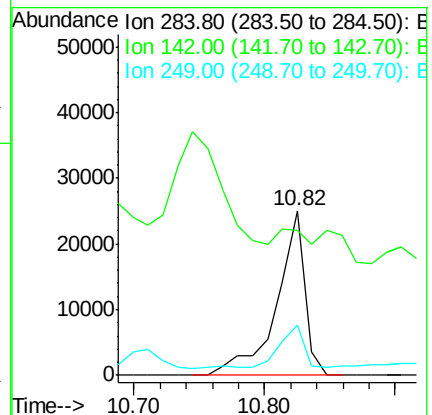
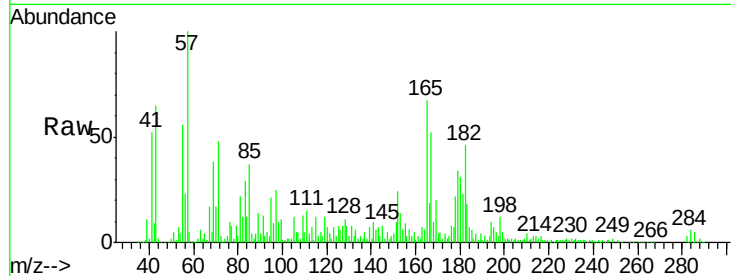
Tot Ion:284 Resp: 38180

Ion Ratio Lower Upper

284 100

142 88.2 25.4 38.0#

249 30.5 28.5 42.7



#68

Atrazine

Concen: 54.53 ng

RT: 10.87 min Scan# 786

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

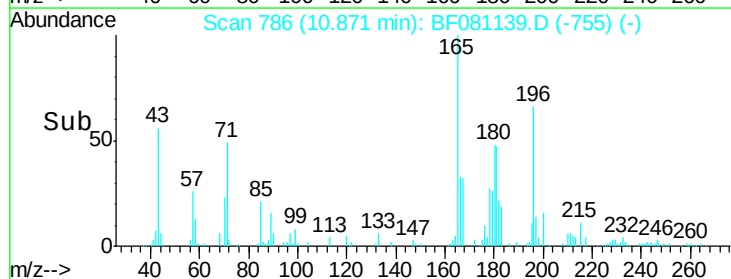
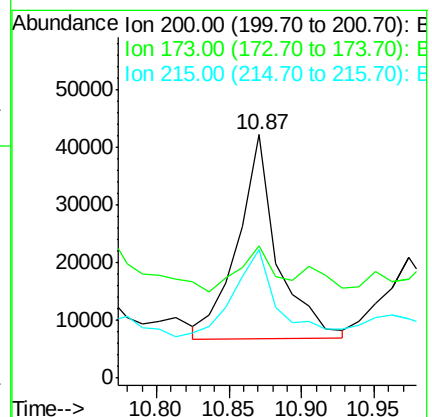
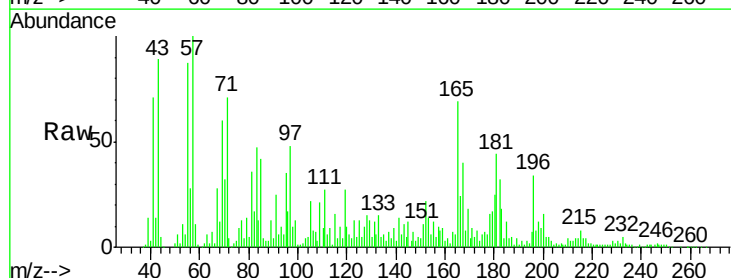
Tgt Ion:200 Resp: 67207

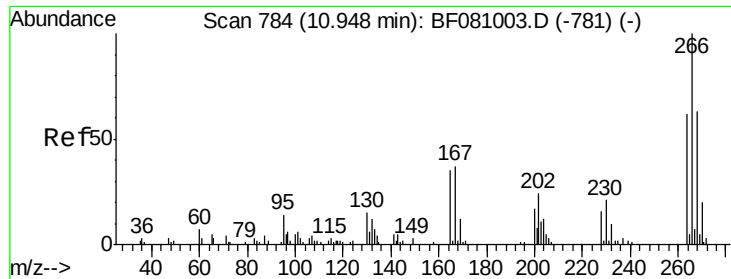
Ion Ratio Lower Upper

200 100

173 54.3 8.1 48.1#

215 52.5 23.3 63.3

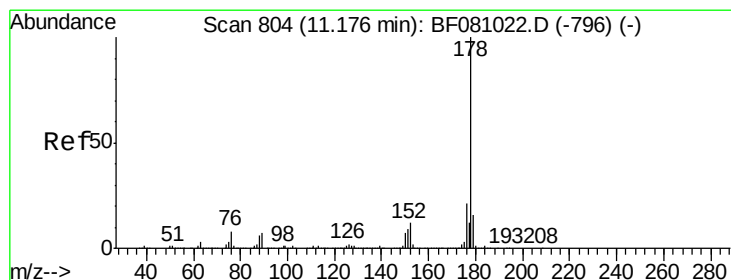
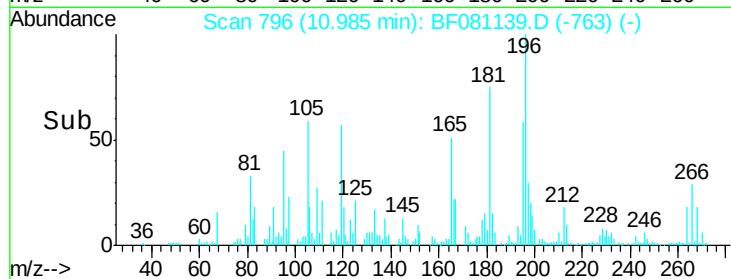
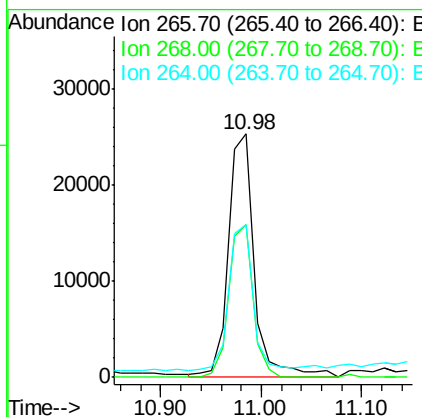
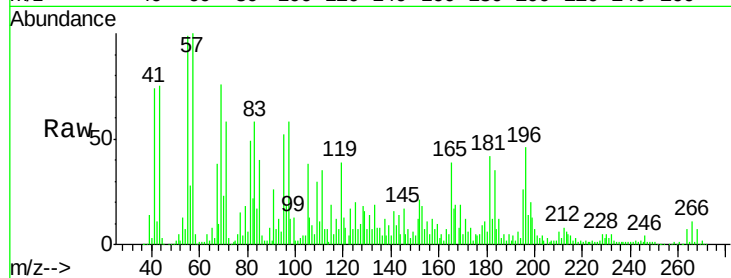




#69
 Pentachlorophenol
 Concen: 61.33 ng
 RT: 10.98 min Scan# 796
 Delta R.T. 0.08 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

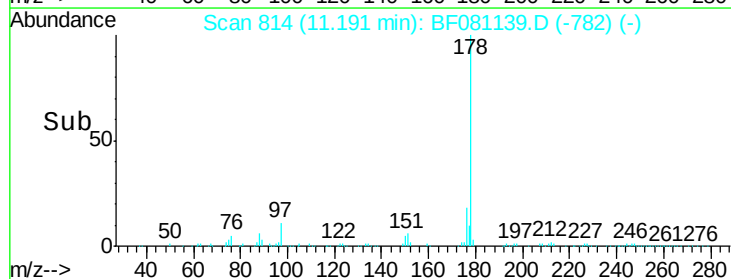
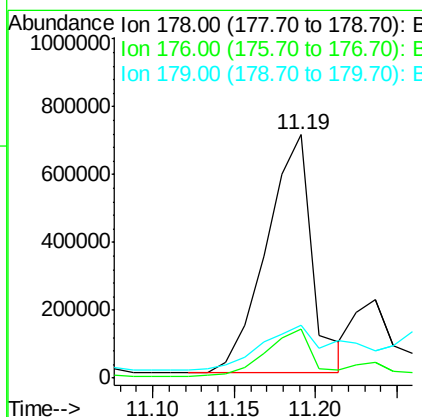
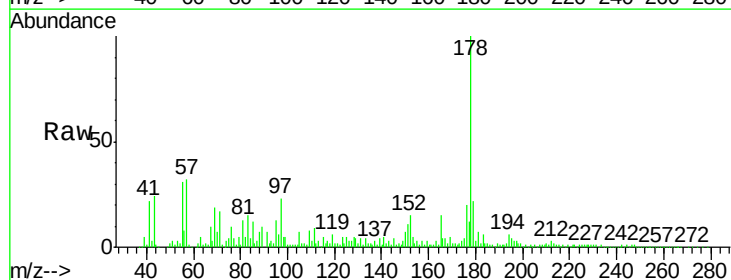
Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

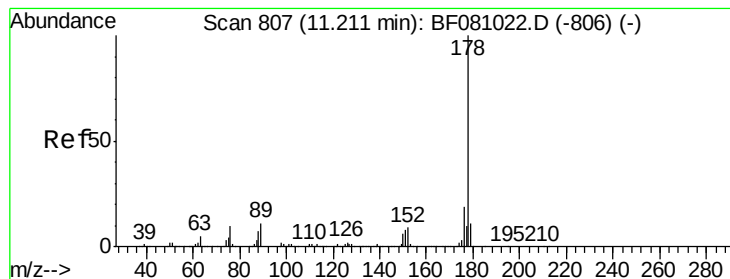
Tot Ion:266 Resp: 45364
 Ion Ratio Lower Upper
 266 100
 268 62.9 51.2 76.8
 264 62.6 50.6 75.8



#70
 Phenanthrene
 Concen: 187.94 ng
 RT: 11.19 min Scan# 814
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:178 Resp: 1380272
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.7 23.5
 179 21.6 12.2 18.2#





#71

Anthracene

Concen: 49.69 ng

RT: 11.24 min Scan# 818

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

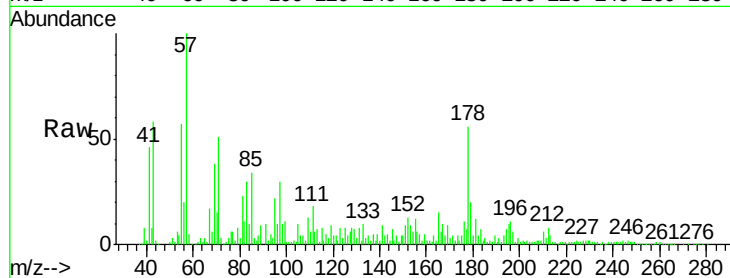
Tot Ion:178 Resp: 355103

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

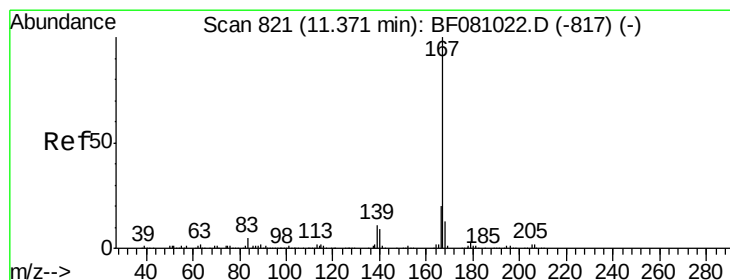
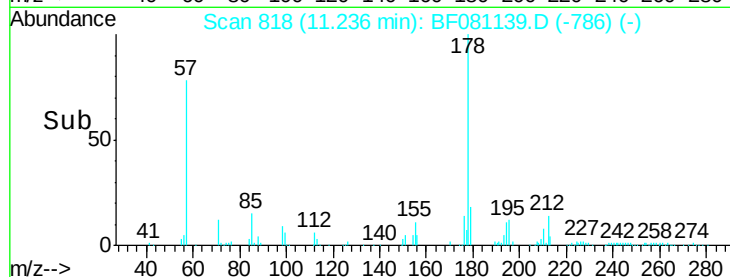
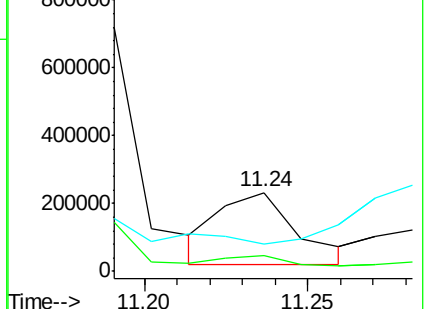
179 35.1 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.51 ng

RT: 11.39 min Scan# 831

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

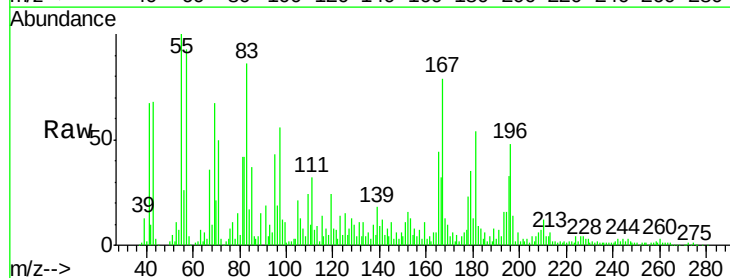
Tgt Ion:167 Resp: 278752

Ion Ratio Lower Upper

167 100

166 40.9 17.4 26.0#

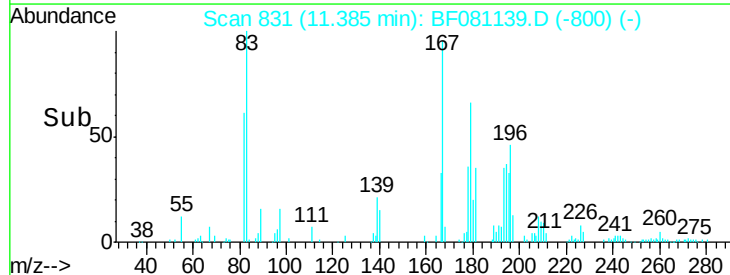
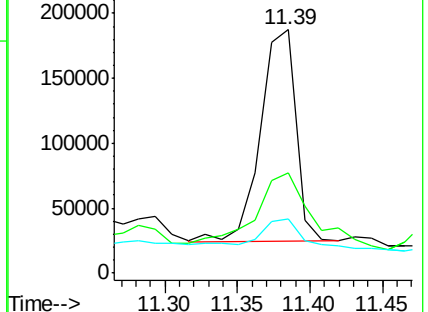
139 22.5 10.6 16.0#

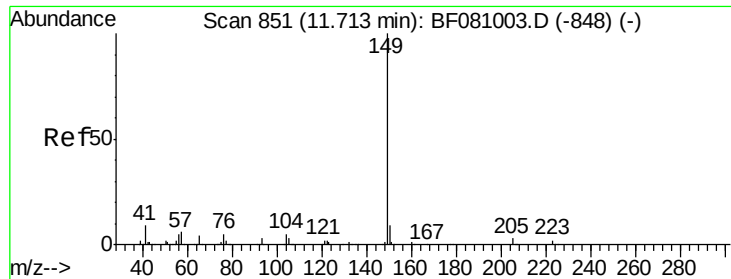


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

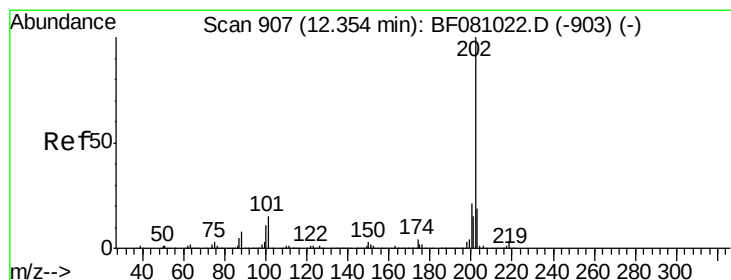
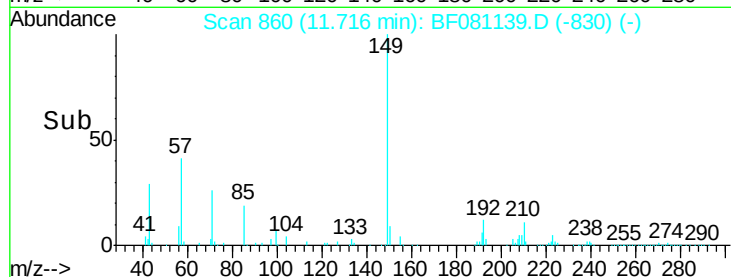
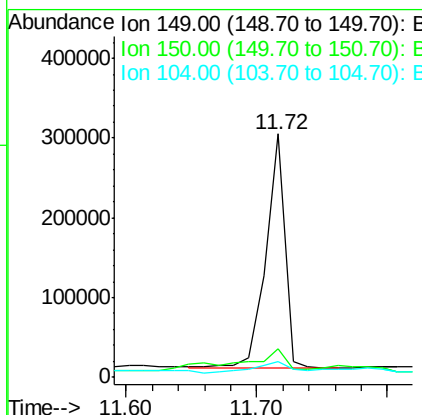
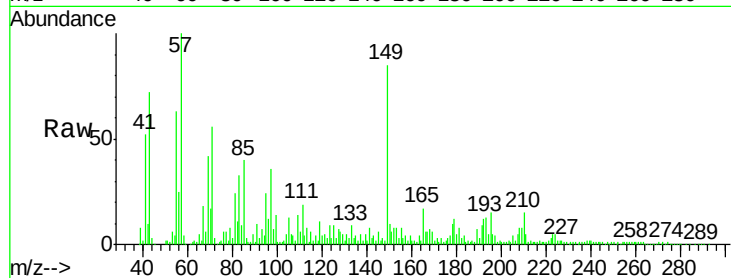




#73
Di-n-butylphthalate
Concen: 35.98 ng
RT: 11.72 min Scan# 860
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

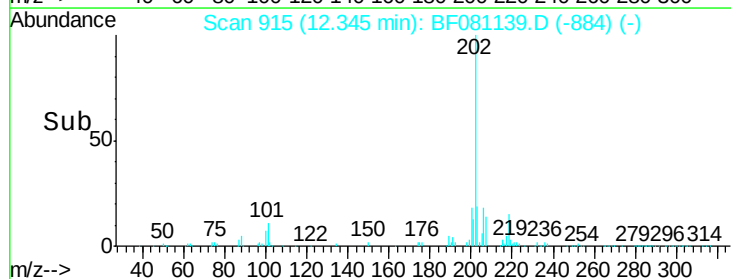
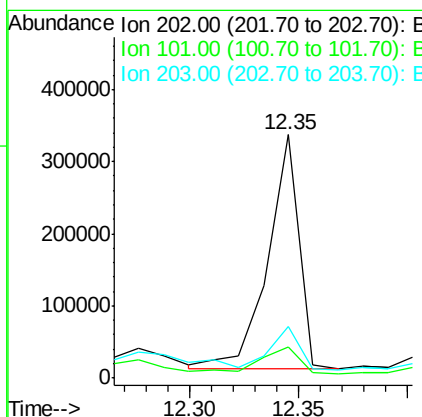
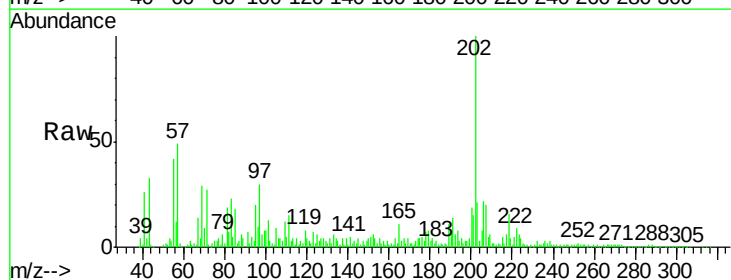
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

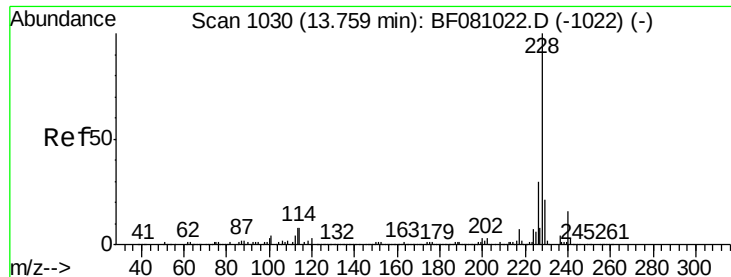
Tot Ion:149 Resp: 299579
Ion Ratio Lower Upper
149 100
150 11.6 7.1 10.7#
104 6.5 3.9 5.9#



#74
Fluoranthene
Concen: 41.28 ng
RT: 12.35 min Scan# 915
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:202 Resp: 327162
Ion Ratio Lower Upper
202 100
101 12.6 0.0 24.8
203 21.4 0.0 36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.72 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

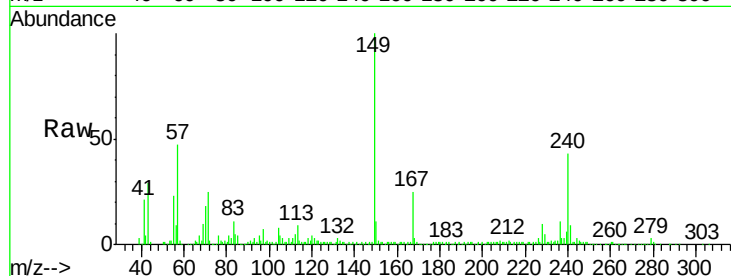
Tot Ion:240 Resp: 113111

Ion Ratio Lower Upper

240 100

120 8.2 5.6 8.4

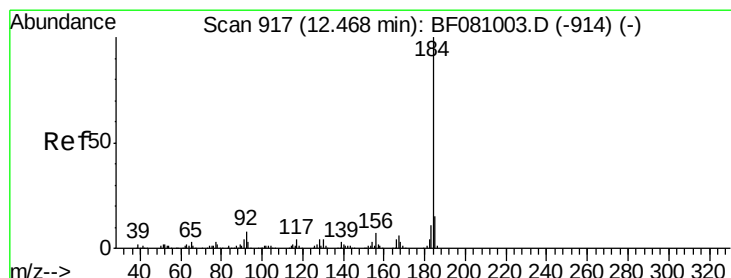
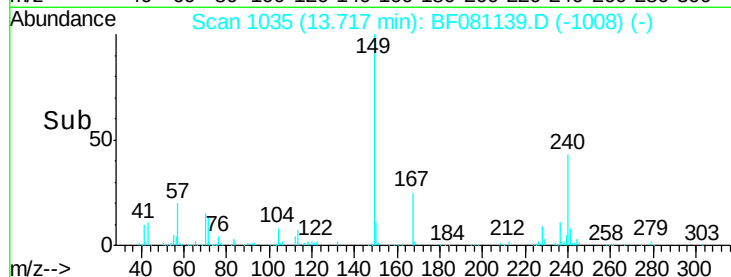
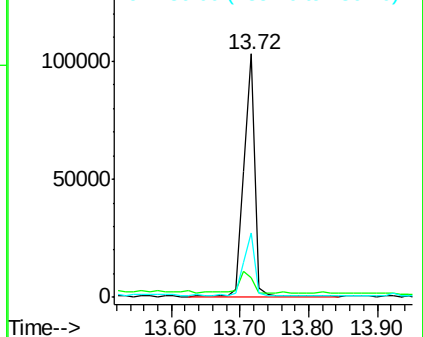
236 26.4 20.6 30.8



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: 14.47 ng

RT: 12.45 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

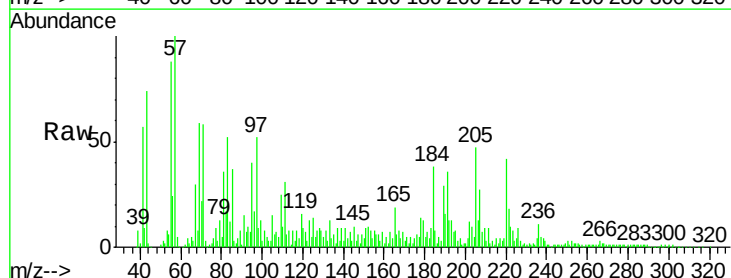
Tgt Ion:184 Resp: 61822

Ion Ratio Lower Upper

184 100

185 22.2 12.0 18.0#

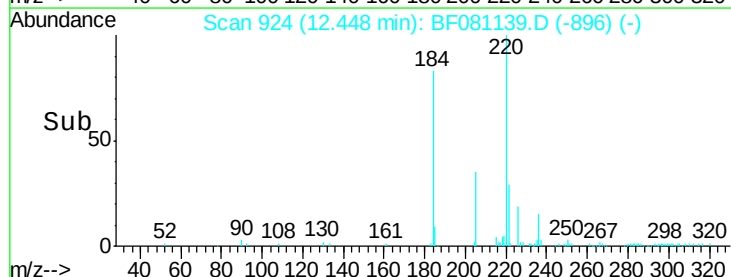
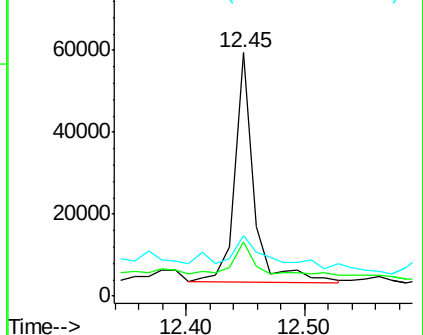
183 24.7 8.9 13.3#

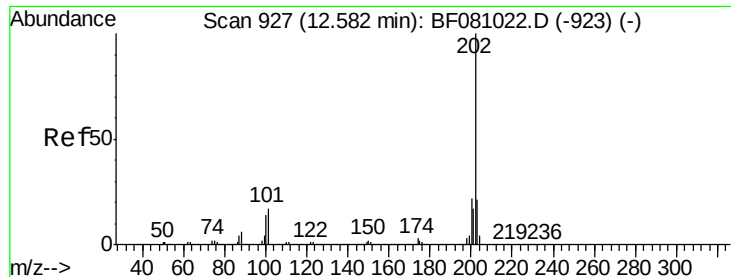


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 68.54 ng

RT: 12.56 min Scan# 934

Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

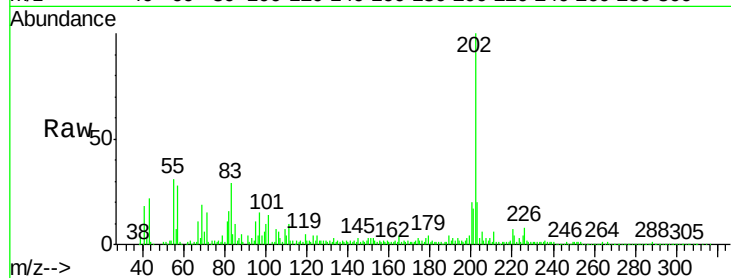
Tot Ion:202 Resp: 630215

Ion Ratio Lower Upper

202 100

200 19.6 16.6 24.8

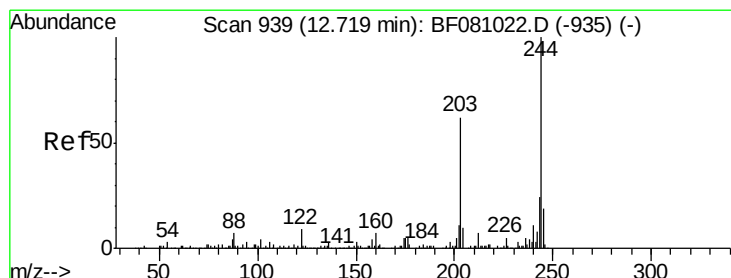
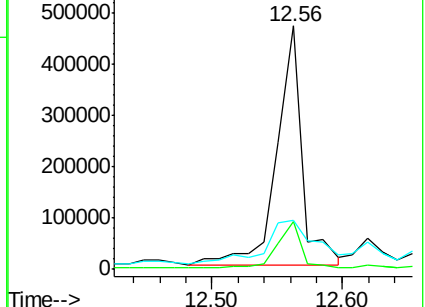
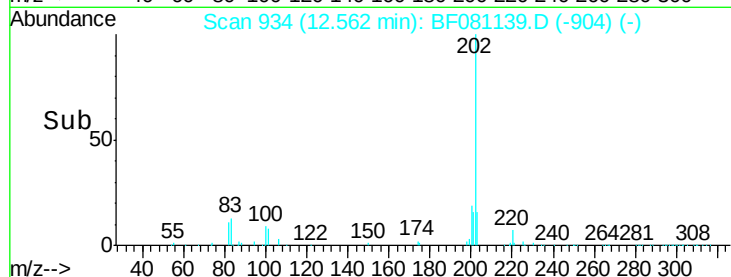
203 20.4 14.1 21.1



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: 62.77 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

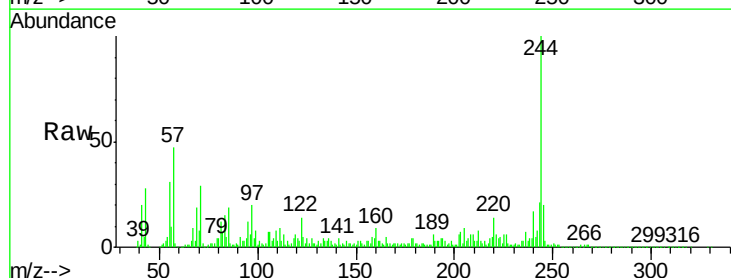
Tgt Ion:244 Resp: 331169

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

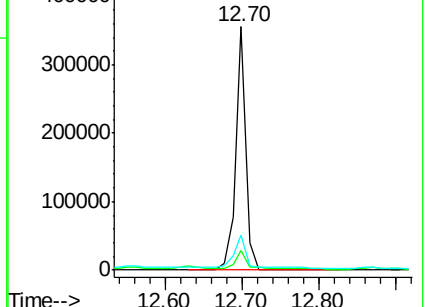
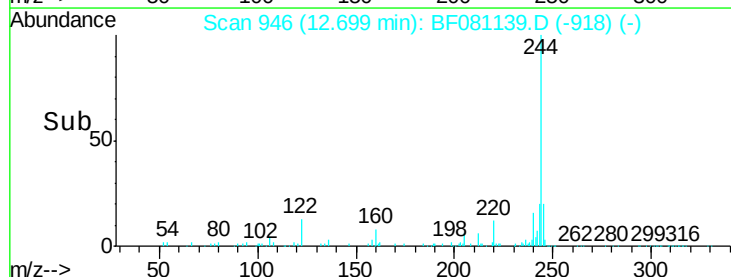
122 14.5 8.2 12.4#

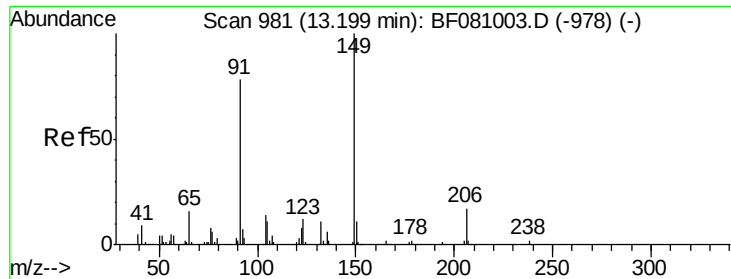


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

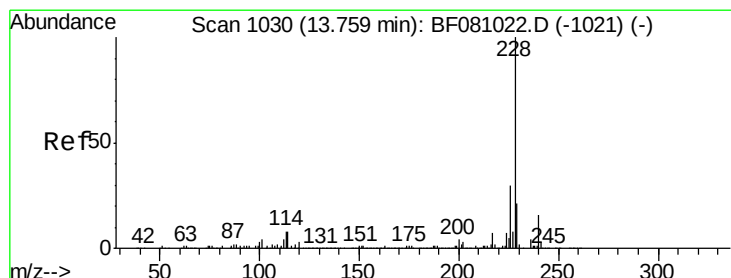
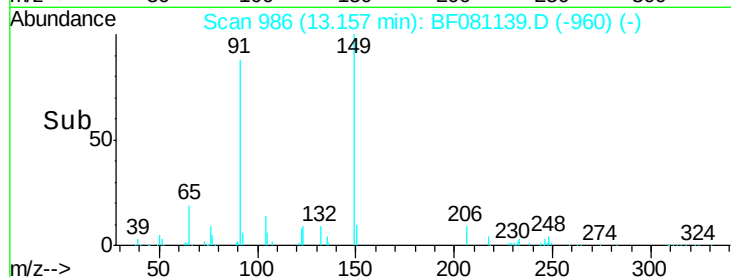
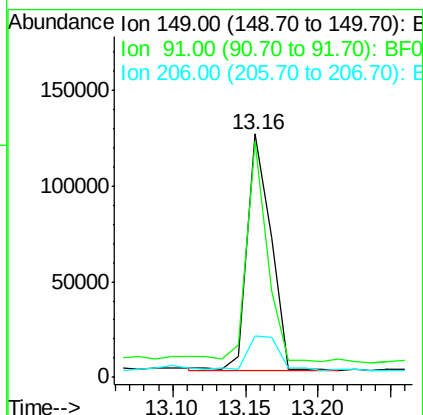
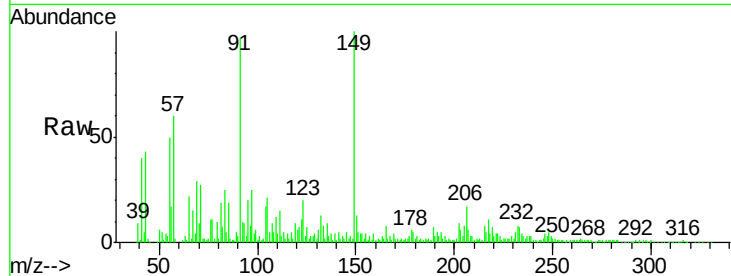




#79
Butylbenzylphthalate
Concen: 35.46 ng
RT: 13.16 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

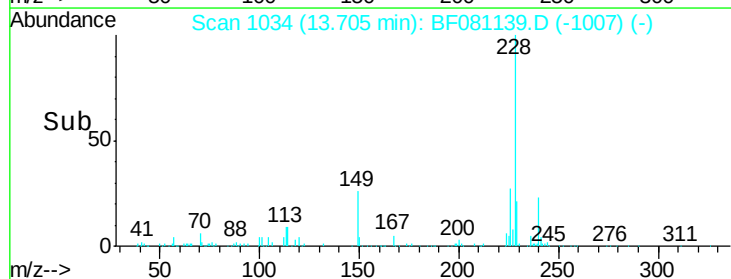
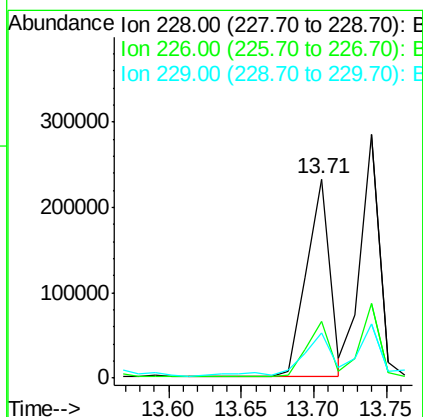
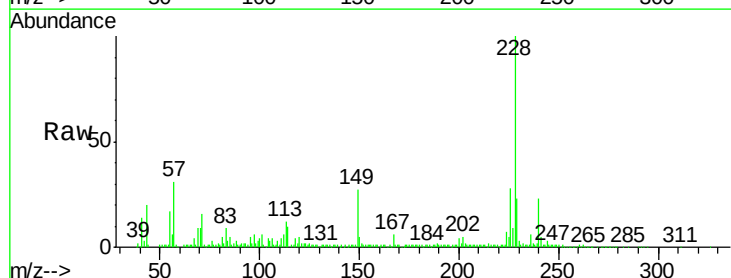
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

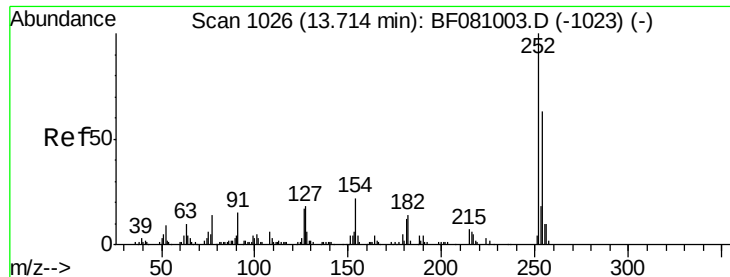
Tot Ion:149 Resp: 140169
Ion Ratio Lower Upper
149 100
91 97.0 46.9 70.3#
206 17.2 17.0 25.4



#80
Benzo(a)anthracene
Concen: 34.39 ng
RT: 13.71 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:228 Resp: 260851
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 22.8 15.9 23.9

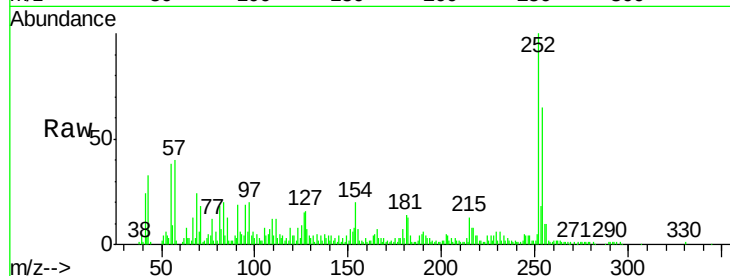




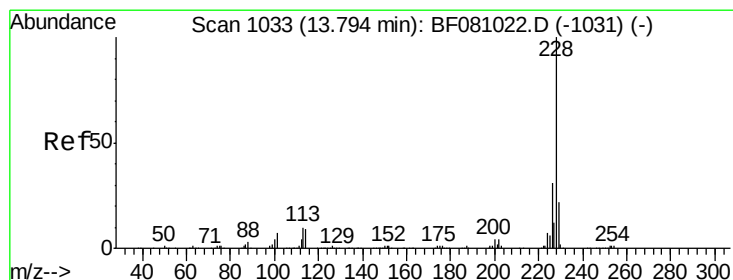
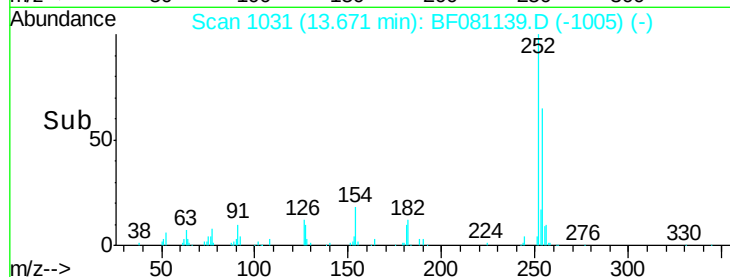
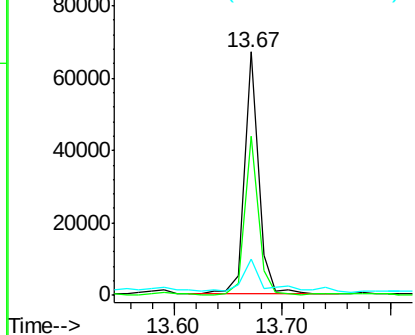
#81
 3,3'-Dichlorobenzidine
 Concen: 23.67 ng
 RT: 13.67 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.5	77.3
126	14.8	12.5	18.7

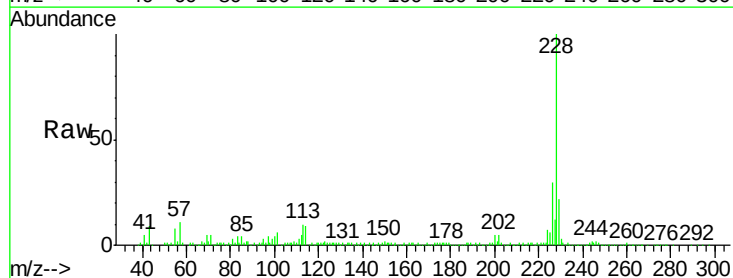


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

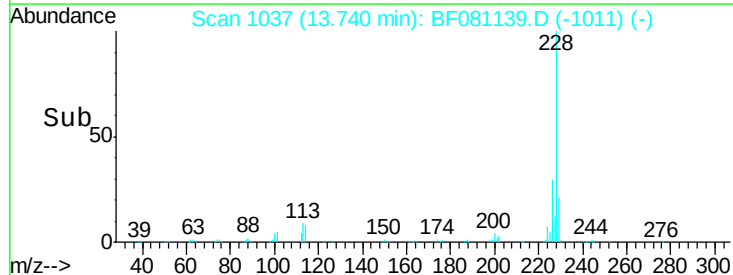
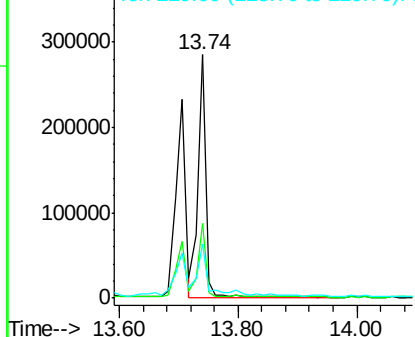


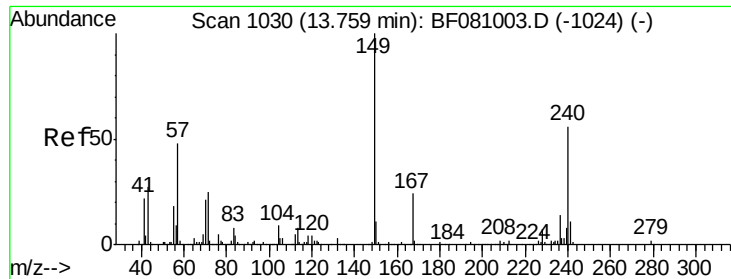
#82
 Chrysene
 Concen: 39.39 ng
 RT: 13.74 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.5	16.0	24.0



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.16 ng

RT: 13.72 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

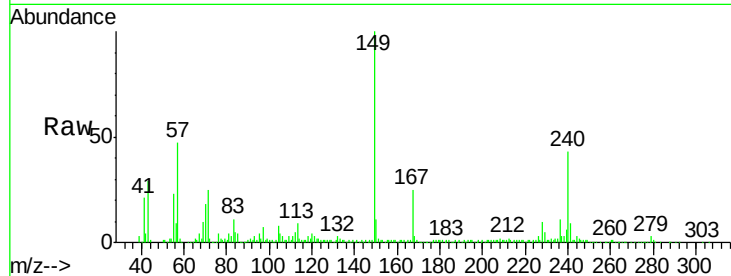
Tot Ion:149 Resp: 218505

Ion Ratio Lower Upper

149 100

167 25.5 20.7 31.1

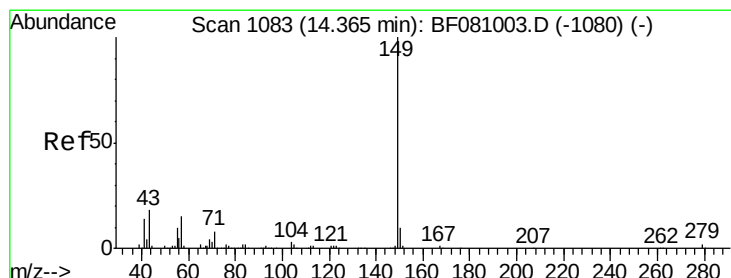
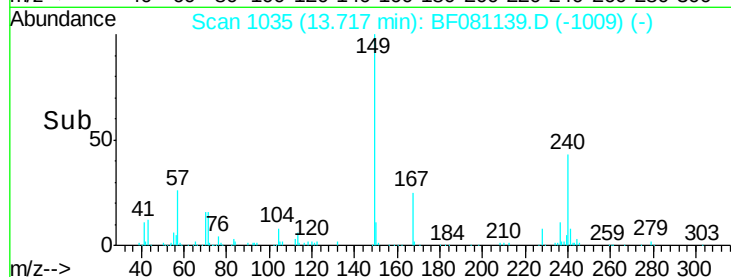
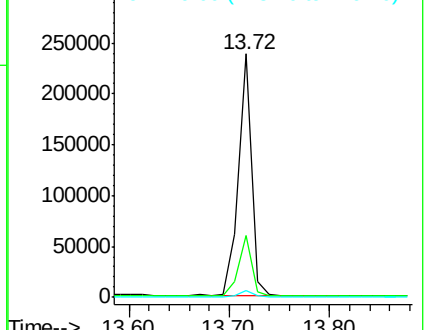
279 2.6 2.2 3.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 42.81 ng

RT: 14.32 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

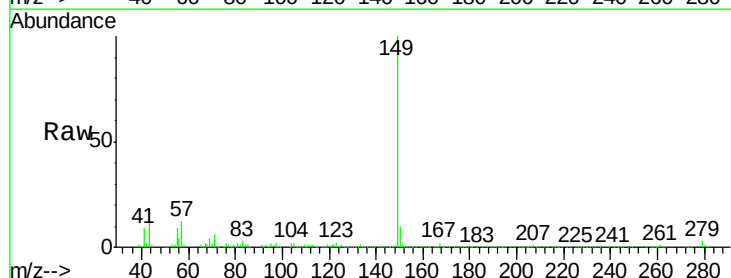
Tgt Ion:149 Resp: 329397

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

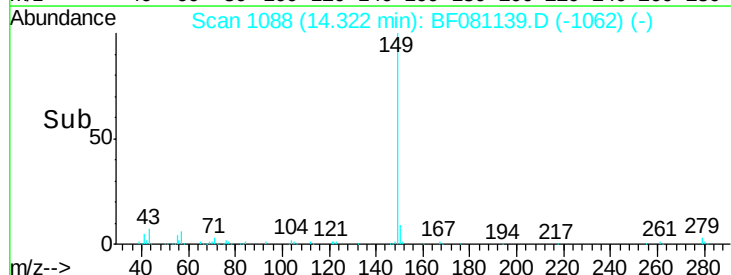
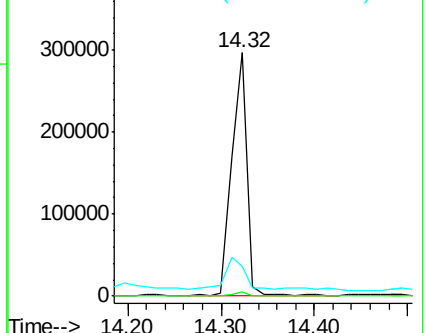
43 15.4 11.6 17.4

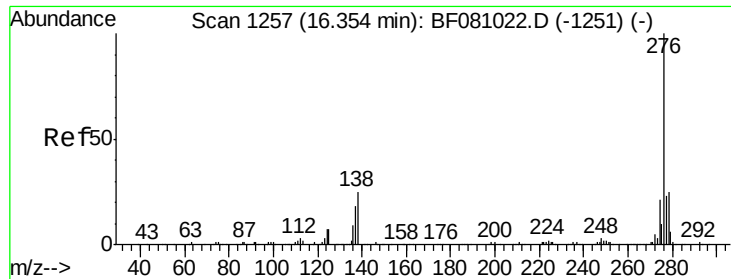


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

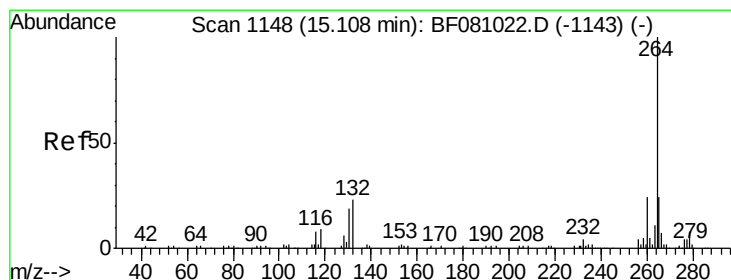
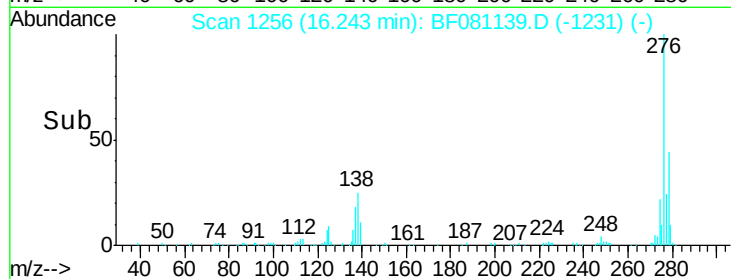
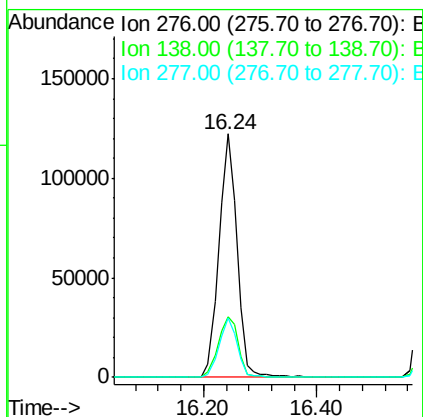
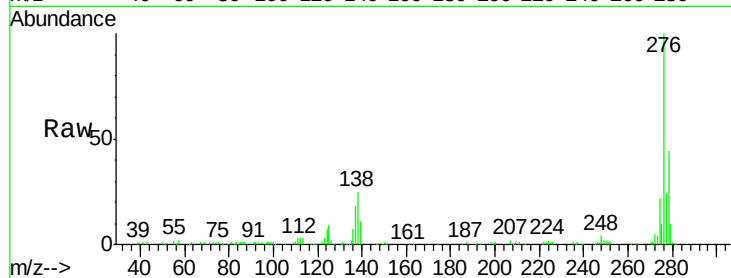




#85
Indeno(1,2,3-cd)pyrene
Concen: 56.56 ng
RT: 16.24 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

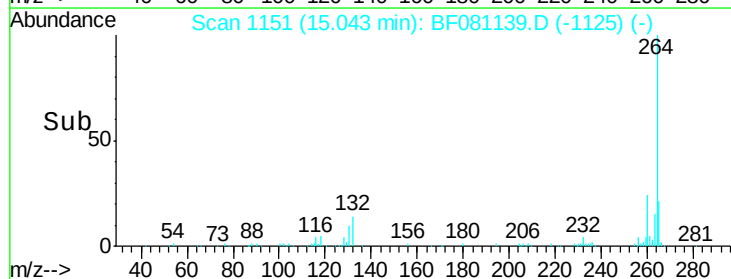
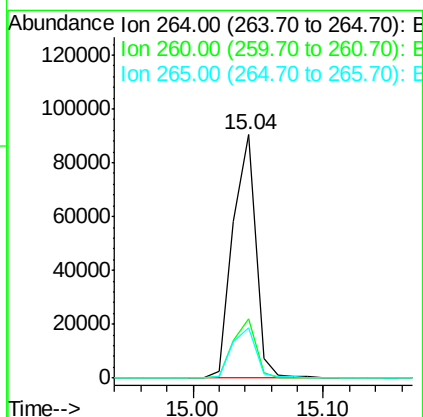
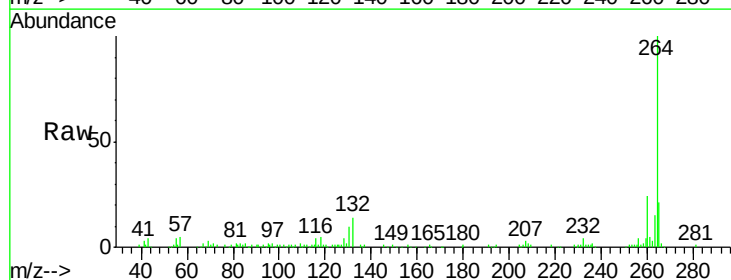
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

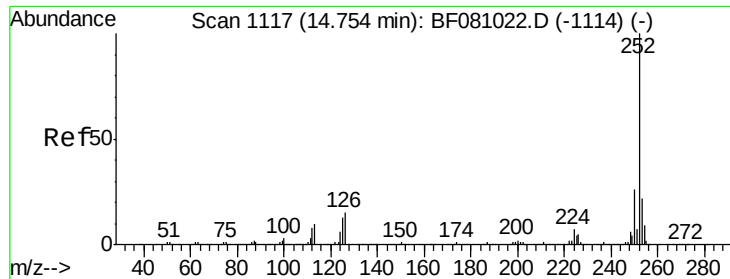
Tot Ion:276 Resp: 271488
Ion Ratio Lower Upper
276 100
138 27.5 18.6 28.0
277 24.1 19.8 29.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:264 Resp: 110350
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 20.7 17.5 26.3

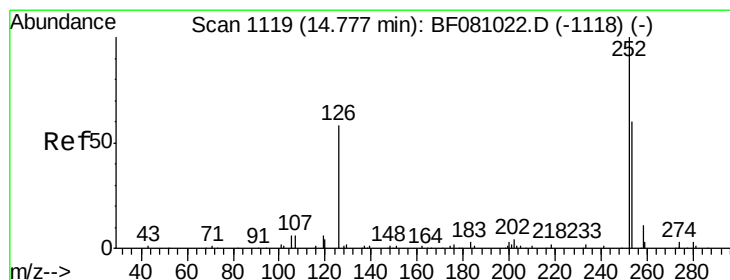
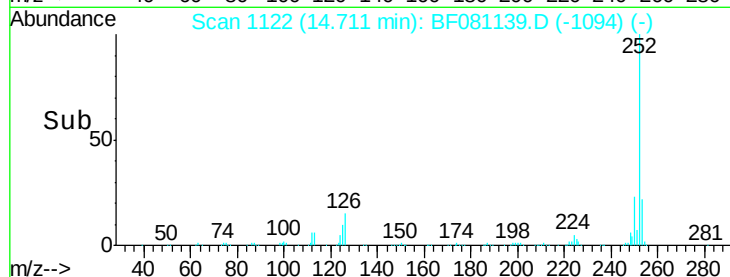
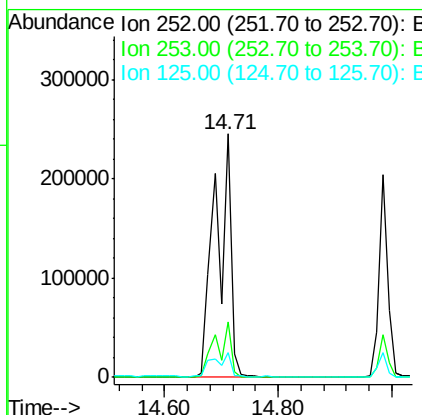
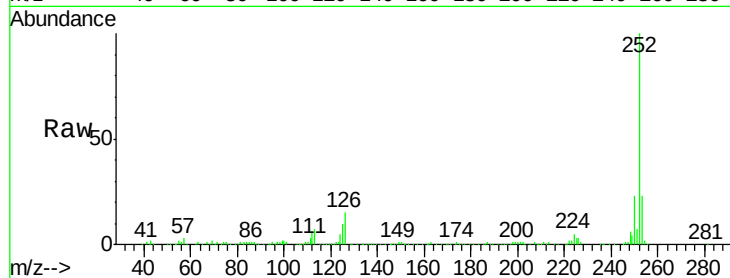




#87
Benzo(b)fluoranthene
Concen: 58.73 ng
RT: 14.71 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

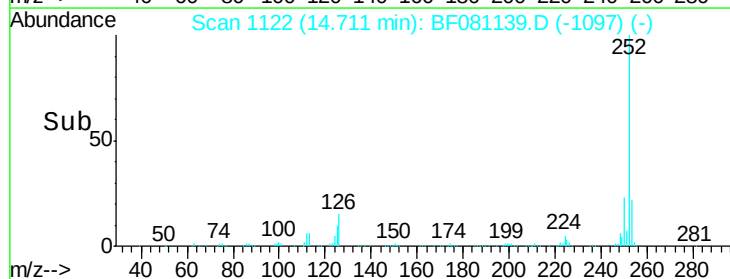
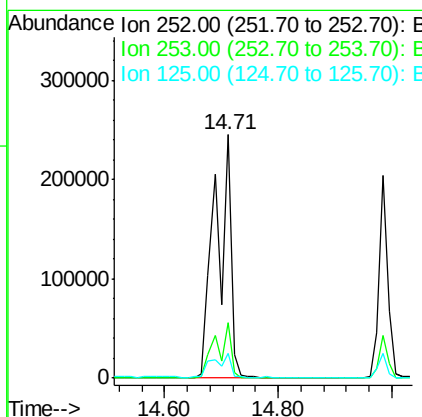
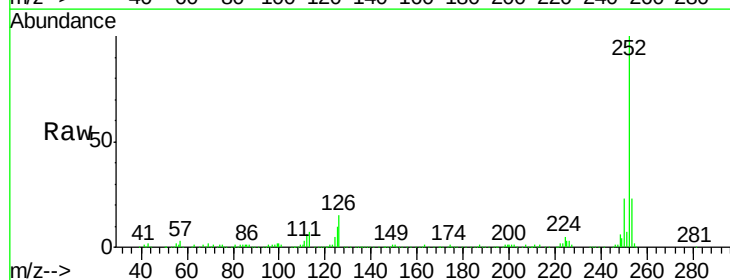
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

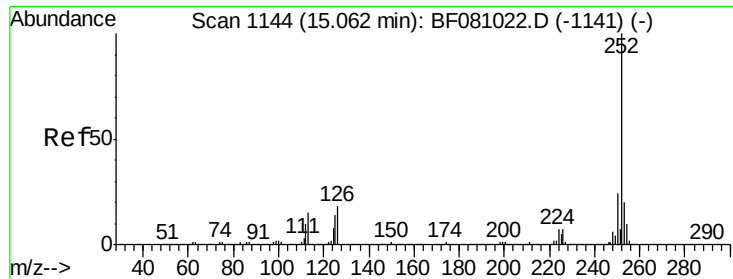
Tot Ion:252 Resp: 458439
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.4 8.0 12.0



#88
Benzo(k)fluoranthene
Concen: 63.03 ng
RT: 14.71 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:252 Resp: 458439
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.4 10.3 15.5

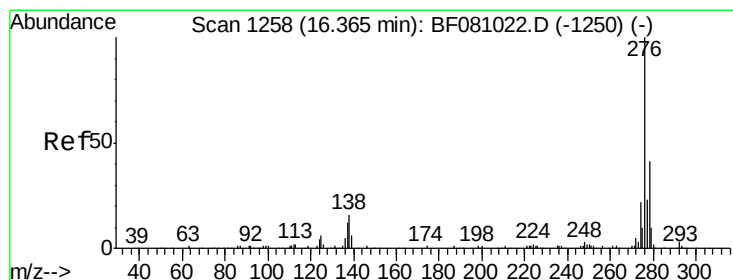
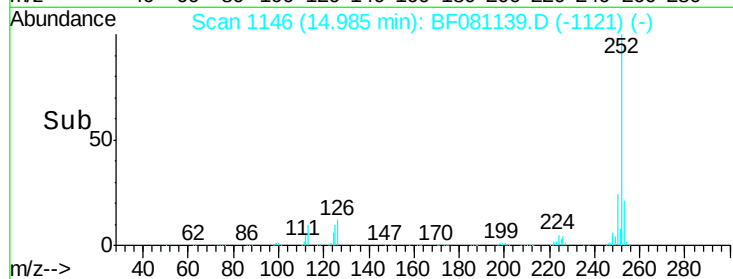
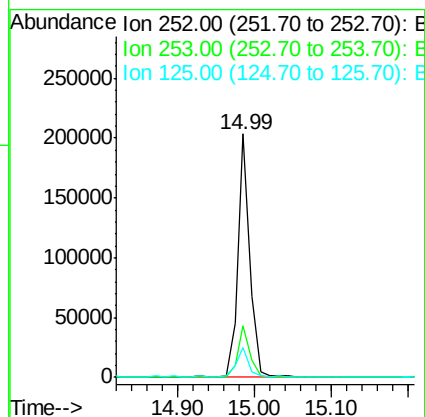
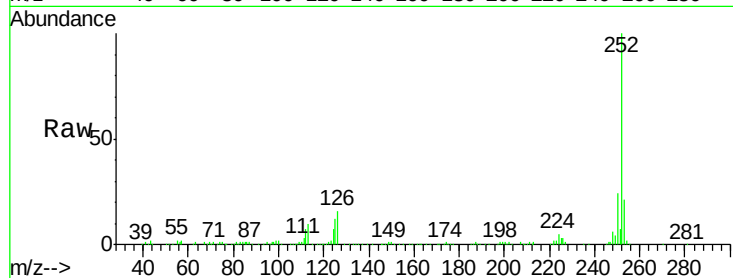




#89
Benzo(a)pyrene
Concen: 33.48 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

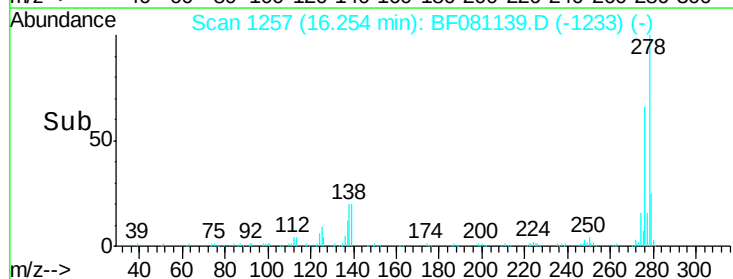
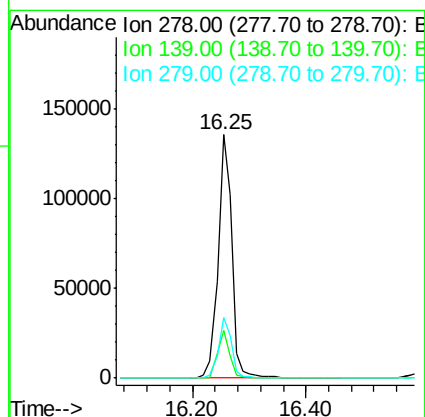
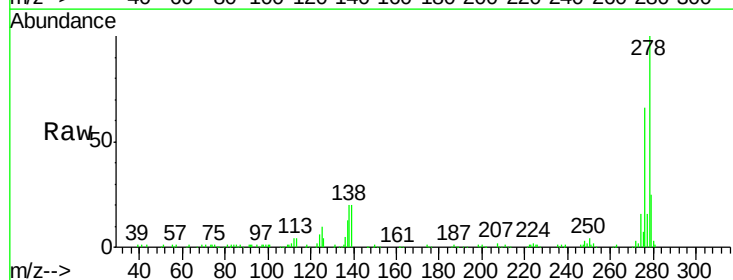
Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

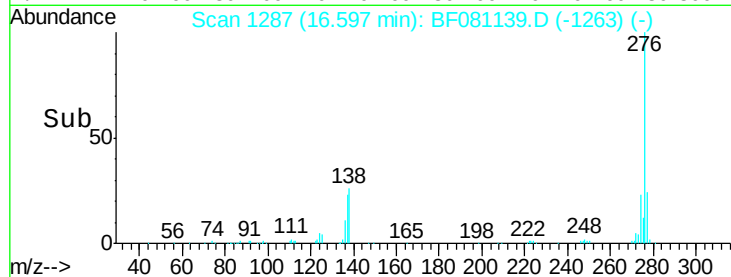
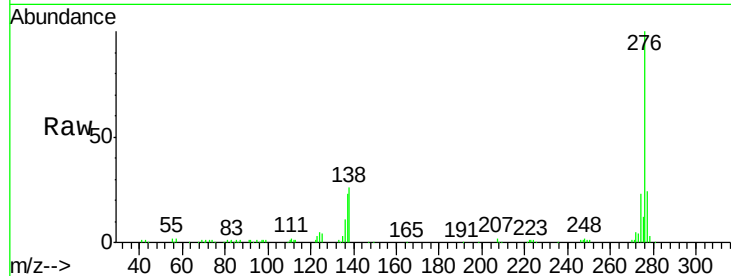
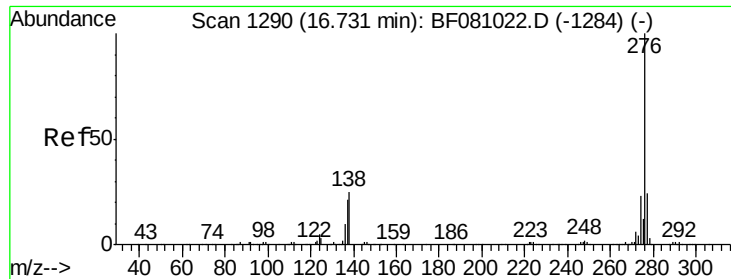
Tot Ion:252 Resp: 227700
Ion Ratio Lower Upper
252 100
253 21.3 16.6 25.0
125 12.2 7.8 11.8#



#90
Dibenzo(a,h)anthracene
Concen: 42.60 ng
RT: 16.25 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:278 Resp: 225741
Ion Ratio Lower Upper
278 100
139 19.8 10.8 16.2#
279 24.8 19.0 28.6





#91

Benzo(a,h,i)perylene

Concen: 42.83 ng

RT: 16.60 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion:276 Resp: 230299

Ion Ratio Lower Upper

276 100

277 23.7 18.2 27.2

138 26.2 13.7 20.5#

