

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090078.D
 Acq On : 15 Sep 2016 4:34
 Operator : UM/SJ
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Sep 15 05:03:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	691063	20.00	ng	0.17
21) Naphthalene-d8	7.84	136	685117	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	330605	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	606663	20.00	ng	0.00
75) Chrysene-d12	13.67	240	376755	20.00	ng	0.00
86) Perylene-d12	14.99	264	369395	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.12	112	1193803	27.61	ng	0.00
7) Phenol-d6	6.22	99	1503905	26.63	ng	0.01
23) Nitrobenzene-d5	7.13	82	1486364	122.41	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	349427	103.45	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1931636	91.20	ng	0.00
78) Terphenyl-d14	12.64	244	1676599	110.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.00	88	340007	15.76	ng	99
3) Pyridine	2.59	79	886951	16.27	ng	97
4) n-Nitrosodimethylamine	2.58	42	286505	17.26	ng	99
6) Aniline	6.31	93	670145	9.54	ng	# 47
8) 2-Chlorophenol	6.34	128	676496	13.66	ng	91
9) Benzaldehyde	6.09	77	385023	12.86	ng	98
10) Phenol	6.23	94	829434	12.63	ng	89
11) bis(2-Chloroethyl)ether	6.31	93	670327	13.29	ng	95
12) 1,3-Dichlorobenzene	6.73	146	643384	12.59	ng	99
13) 1,4-Dichlorobenzene	6.73	146	649955	12.41	ng	99
14) 1,2-Dichlorobenzene	6.73	146	649963	13.48	ng	# 94
15) Benzyl Alcohol	6.72	79	456505	14.27	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.86	45	818299	13.48	ng	98
17) 2-Methylphenol	6.83	107	589827	14.60	ng	98
18) Hexachloroethane	7.07	117	266916	13.93	ng	# 78
19) n-Nitroso-di-n-propylamine	7.00	70	481435	13.80	ng	98
20) 3+4-Methylphenols	7.00	107	703991	14.48	ng	97
22) Acetophenone	6.98	105	930324	56.11	ng	# 96
24) Nitrobenzene	7.15	77	705761	54.98	ng	95
25) Isophorone	7.40	82	1506881	59.27	ng	99
26) 2-Nitrophenol	7.46	139	380438	61.50	ng	95
27) 2,4-Dimethylphenol	7.52	122	636367	58.33	ng	98
28) bis(2-Chloroethoxy)methane	7.62	93	901314	60.84	ng	99
29) 2,4-Dichlorophenol	7.71	162	546771	56.54	ng	92
30) 1,2,4-Trichlorobenzene	7.79	180	553261	58.15	ng	96
31) Naphthalene	7.86	128	1875228	55.65	ng	100
32) Benzoic acid	7.70	122	535119	63.57	ng	95
33) 4-Chloroaniline	7.93	127	845249	59.46	ng	# 92
34) Hexachlorobutadiene	7.99	225	260282	53.69	ng	98
35) Caprolactam	8.33	113	157673	47.96	ng	98
36) 4-Chloro-3-methylphenol	8.42	107	606141	53.66	ng	98
37) 2-Methylnaphthalene	8.56	142	1210025	58.12	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.73	216	458697	53.62	ng	97
40) Hexachlorocyclopentadiene	8.71	237	271369	61.14	ng	98

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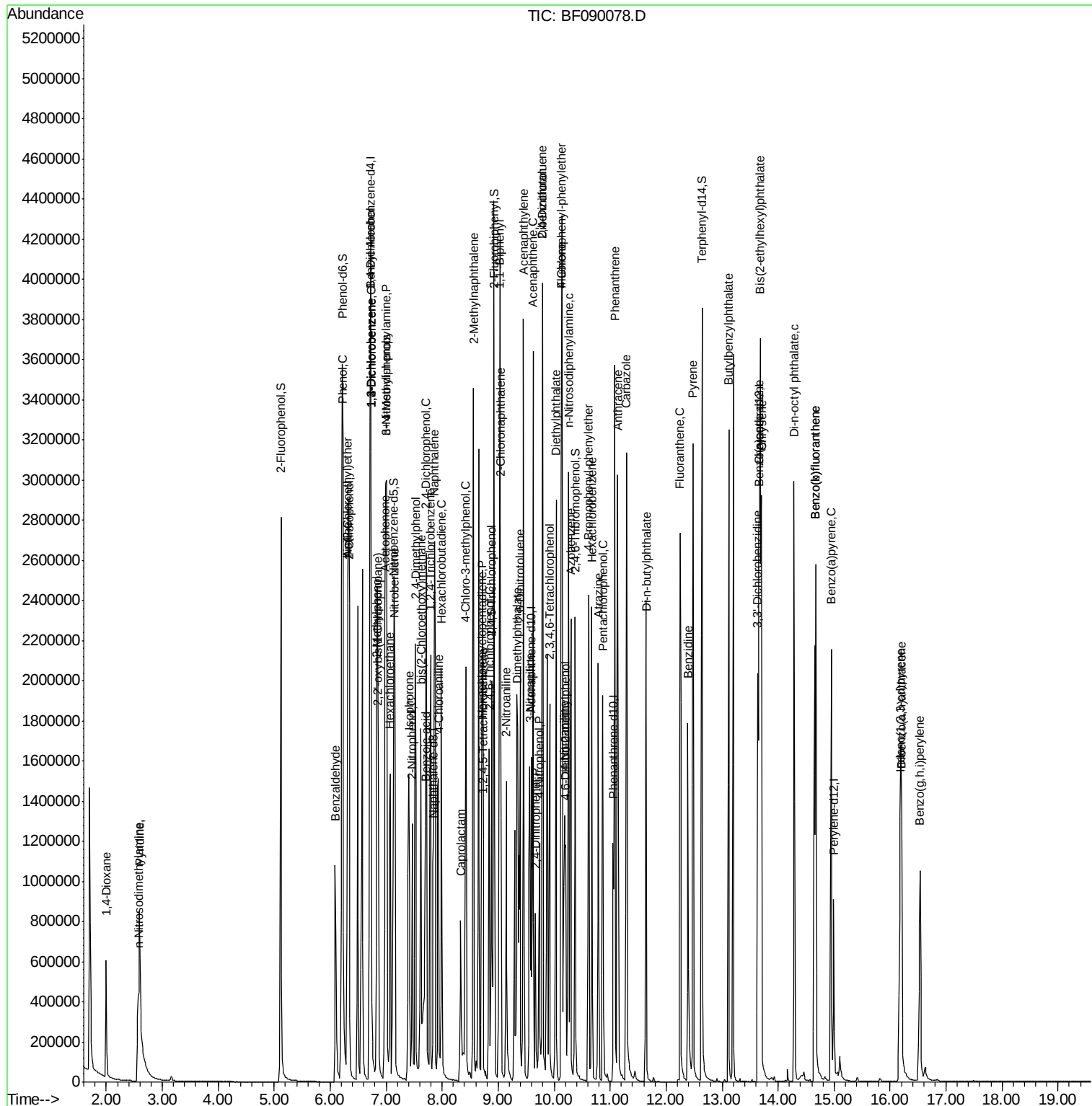
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	369476	58.54	ng	99
43) 2,4,5-Trichlorophenol	8.88	196	370560	54.78	ng	# 88
45) 1,1'-Biphenyl	9.03	154	1506101	54.31	ng	97
46) 2-Chloronaphthalene	9.04	162	1056818	54.17	ng	98
47) 2-Nitroaniline	9.14	65	354396	55.28	ng	85
48) Acenaphthylene	9.45	152	1596835	47.33	ng	99
49) Dimethylphthalate	9.35	163	1460266	59.34	ng	99
50) 2,6-Dinitrotoluene	9.39	165	278906	50.83	ng	93
51) Acenaphthene	9.62	154	932392	46.23	ng	99
52) 3-Nitroaniline	9.56	138	416771	62.51	ng	97
53) 2,4-Dinitrophenol	9.67	184	209033	80.31	ng	# 86
54) Dibenzofuran	9.79	168	1236186	46.87	ng	94
55) 4-Nitrophenol	9.74	139	311638	47.65	ng	98
56) 2,4-Dinitrotoluene	9.79	165	341249	50.84	ng	98
57) Fluorene	10.14	166	1048962	50.83	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.92	232	300301	58.77	ng	98
59) Diethylphthalate	10.03	149	1269331	53.44	ng	99
60) 4-Chlorophenyl-phenylether	10.14	204	431701	49.14	ng	# 84
61) 4-Nitroaniline	10.18	138	405995	59.49	ng	91
62) Azobenzene	10.30	77	1422148	56.37	ng	88
64) 4,6-Dinitro-2-methylphenol	10.20	198	262562	66.94	ng	98
65) n-Nitrosodiphenylamine	10.26	169	1130248	58.30	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	314227	53.94	ng	# 84
67) Hexachlorobenzene	10.67	284	348707	51.04	ng	# 87
68) Atrazine	10.79	200	306703	54.58	ng	96
69) Pentachlorophenol	10.87	266	241904	59.40	ng	100
70) Phenanthrene	11.09	178	1629534	55.34	ng	99
71) Anthracene	11.13	178	1619634	52.53	ng	99
72) Carbazole	11.29	167	1665345	50.82	ng	98
73) Di-n-butylphthalate	11.65	149	2060164	56.98	ng	# 97
74) Fluoranthene	12.25	202	1683999	55.31	ng	98
76) Benzidine	12.39	184	903465	58.23	ng	97
77) Pyrene	12.48	202	1516746	57.47	ng	98
79) Butylbenzylphthalate	13.12	149	889229	66.82	ng	87
80) Benzo(a)anthracene	13.66	228	1321370	62.12	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	522141	58.24	ng	# 98
82) Chrysene	13.70	228	1292385	62.20	ng	100
83) Bis(2-ethylhexyl)phthalate	13.68	149	985324	59.88	ng	99
84) Di-n-octyl phthalate	14.29	149	1832374	63.03	ng	99
85) Indeno(1,2,3-cd)pyrene	16.18	276	1070116	59.49	ng	99
87) Benzo(h)fluoranthene	14.67	252	2285588	102.00	ng	98
88) Benzo(k)fluoranthene	14.67	252	2286759	124.75	ng	# 95
89) Benzo(a)pyrene	14.95	252	1076789	54.92	ng	# 95
90) Dibenzo(a,h)anthracene	16.21	278	872319	56.14	ng	98
91) Benzo(g,h,i)perylene	16.54	276	856144	57.65	ng	99

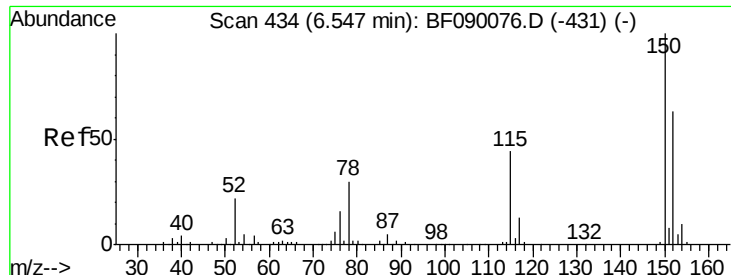
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. 0.17 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

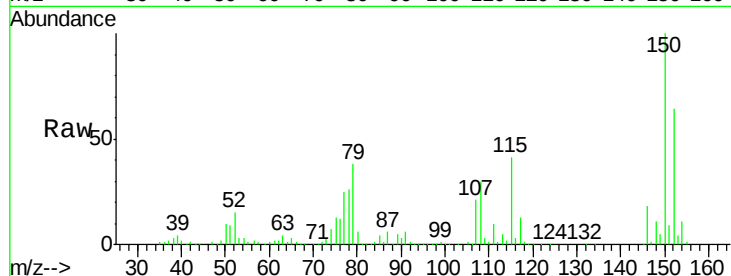
Tgt Ion:152 Resp: 691063

Ion Ratio Lower Upper

152 100

150 156.4 128.9 193.3

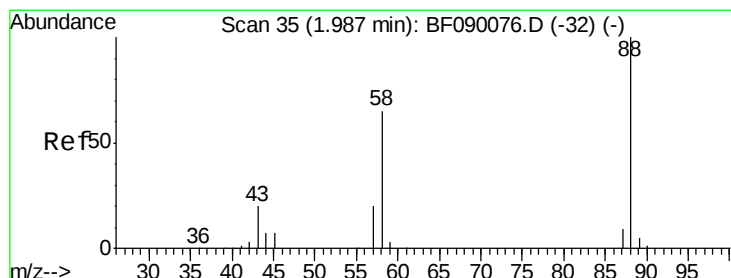
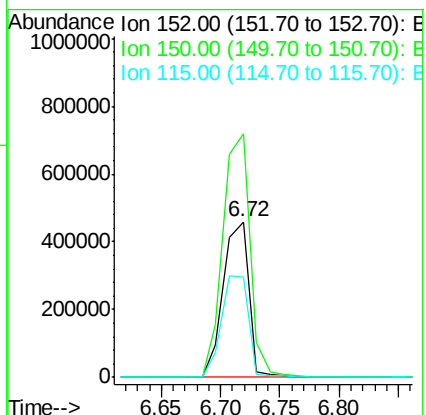
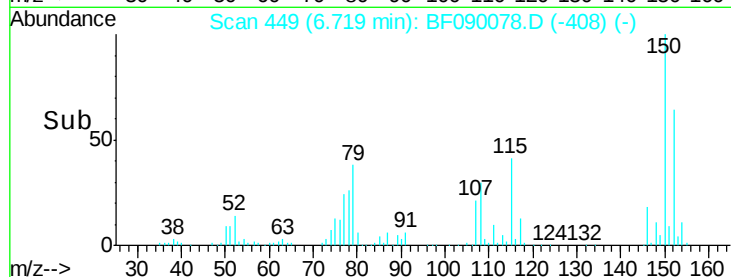
115 64.2 55.5 83.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 15.76 ng

RT: 2.00 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

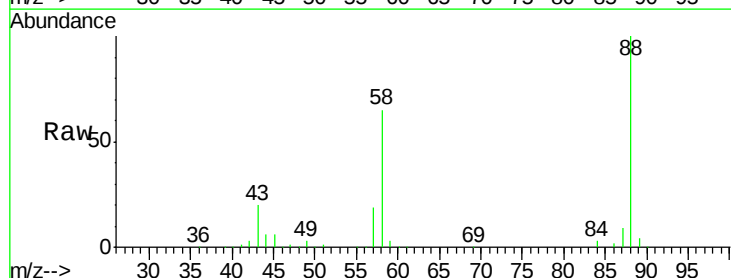
Tgt Ion: 88 Resp: 340007

Ion Ratio Lower Upper

88 100

58 66.0 53.4 80.0

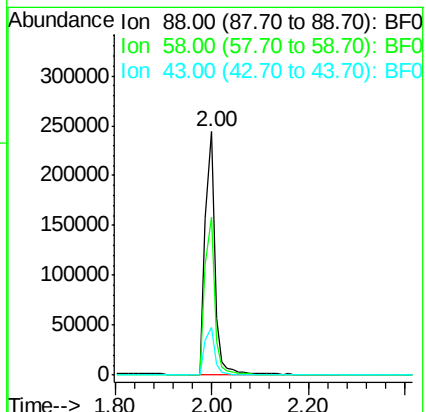
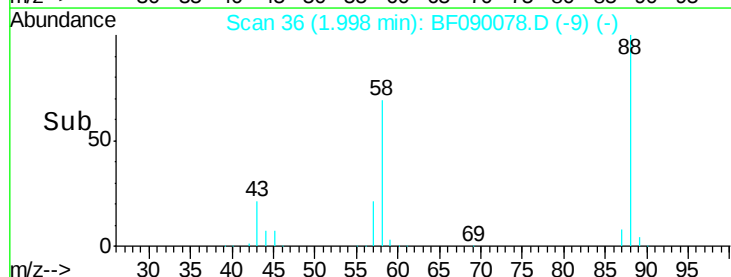
43 20.6 16.5 24.7

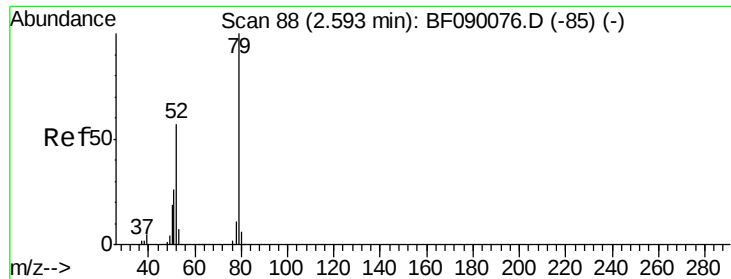


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 16.27 ng

RT: 2.59 min Scan# 88

Delta R.T. 0.00 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

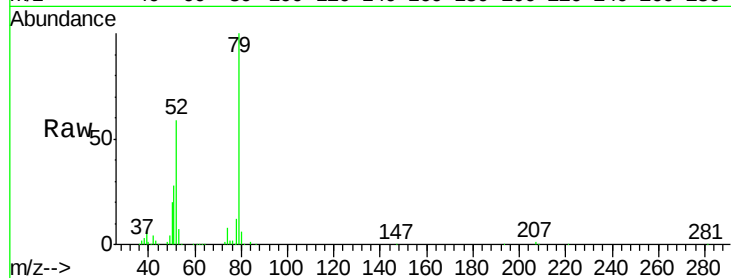
Tgt Ion: 79 Resp: 886951

Ion Ratio Lower Upper

79 100

52 59.4 45.9 68.9

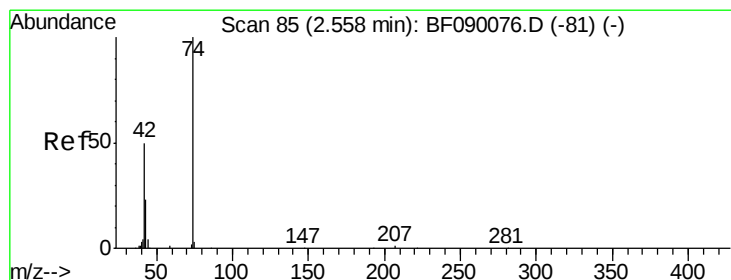
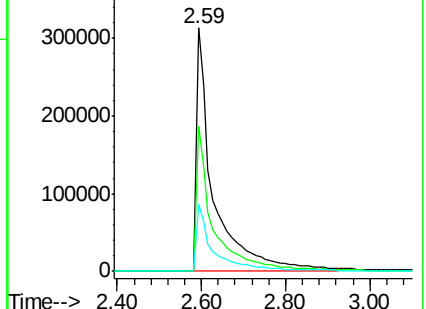
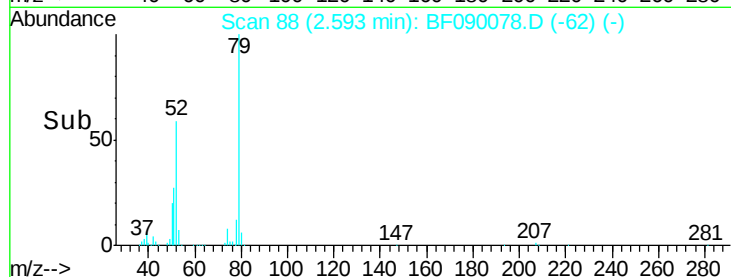
51 27.7 21.3 31.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 17.26 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.02 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

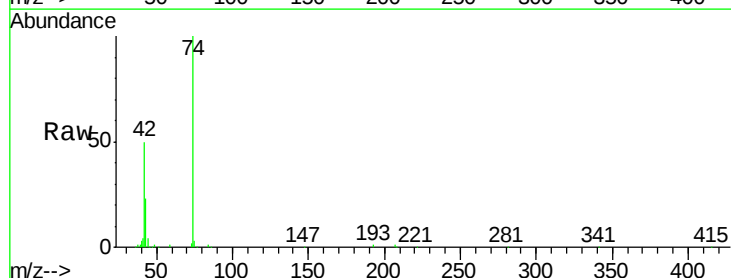
Tgt Ion: 42 Resp: 286505

Ion Ratio Lower Upper

42 100

74 200.4 158.7 238.1

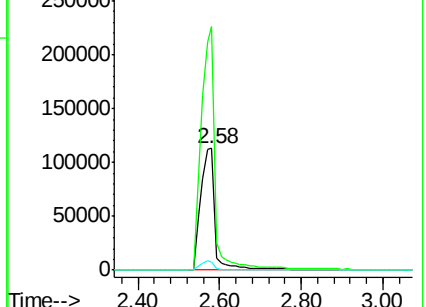
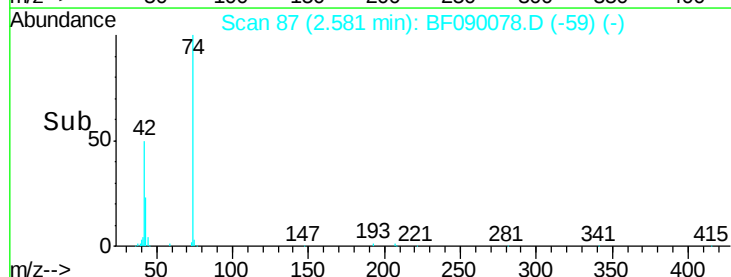
44 7.2 6.4 9.6

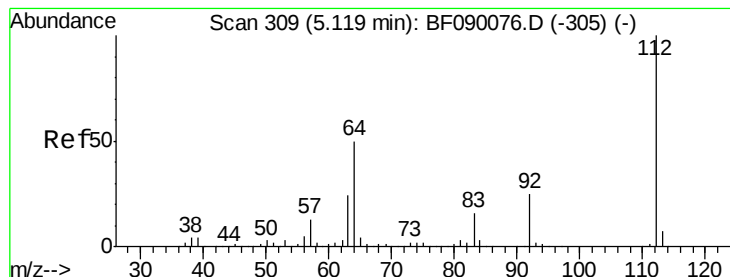


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0

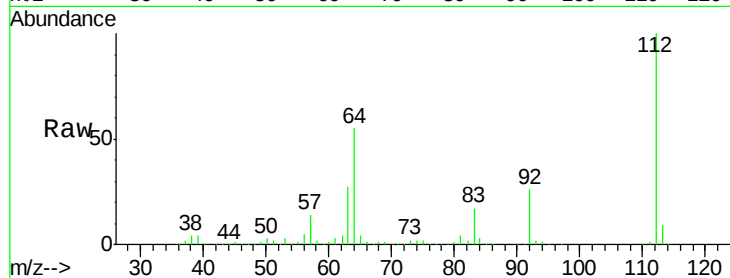




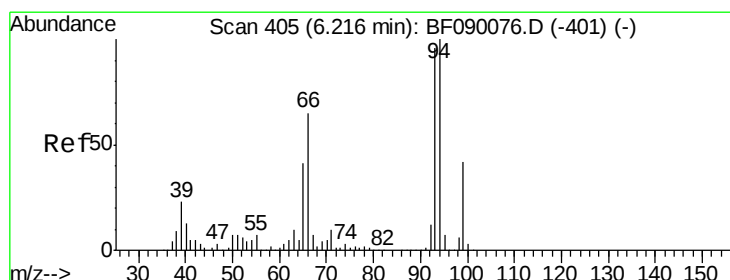
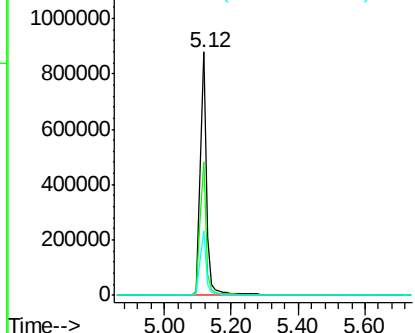
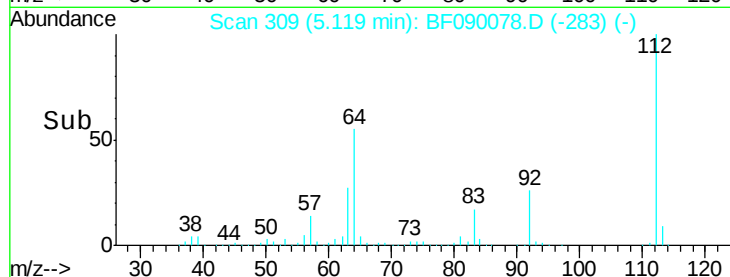
#5
 2-Fluorophenol
 Concen: 27.61 ng
 RT: 5.12 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Tgt Ion: 112 Resp: 1193803
 Ion Ratio Lower Upper
 112 100
 64 54.9 39.8 59.6
 63 26.7 18.9 28.3

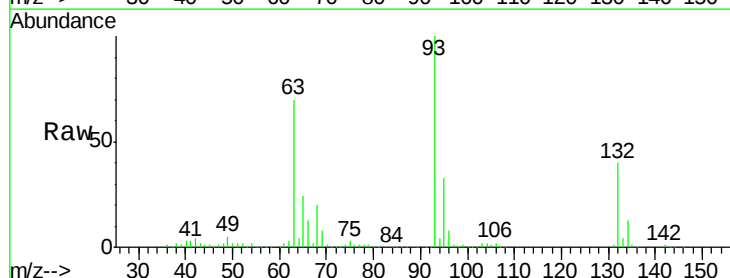


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

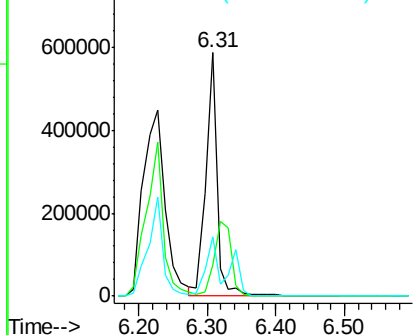
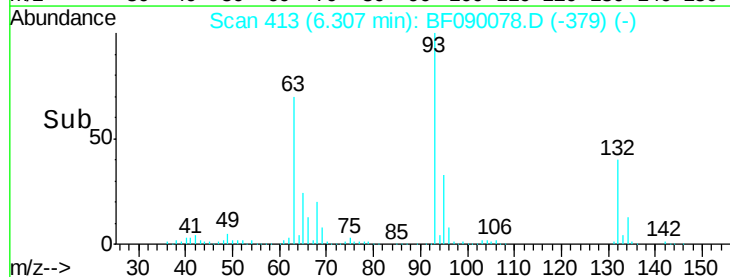


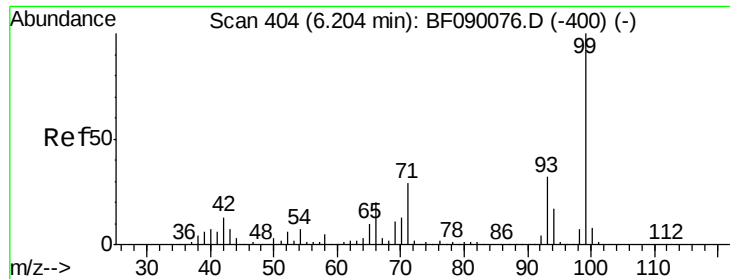
#6
 Aniline
 Concen: 9.54 ng
 RT: 6.31 min Scan# 413
 Delta R.T. 0.09 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

Tgt Ion: 93 Resp: 670145
 Ion Ratio Lower Upper
 93 100
 66 12.9 54.2 81.2#
 65 24.3 33.8 50.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 66.00 (65.70 to 66.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 26.63 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF090078.D

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SSTDICC060

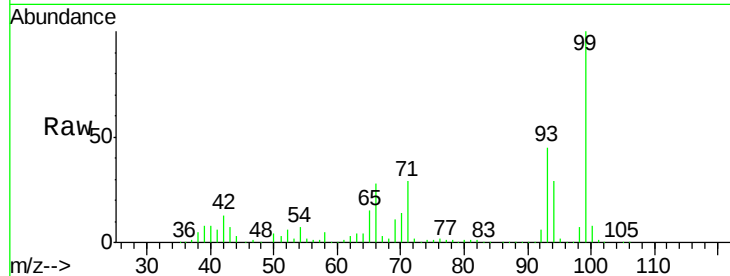
Tgt Ion: 99 Resp: 1503905

Ion Ratio Lower Upper

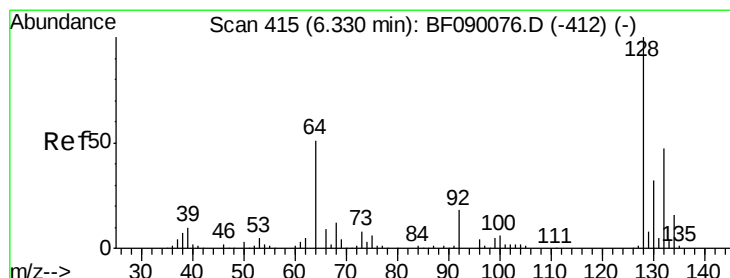
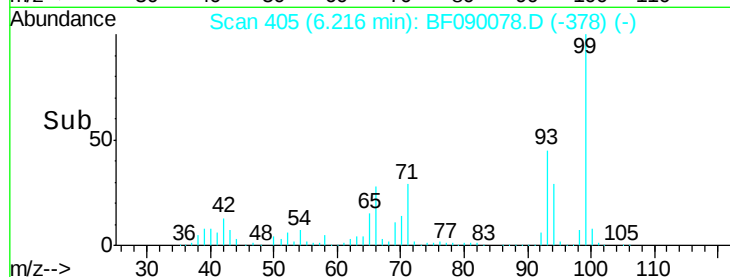
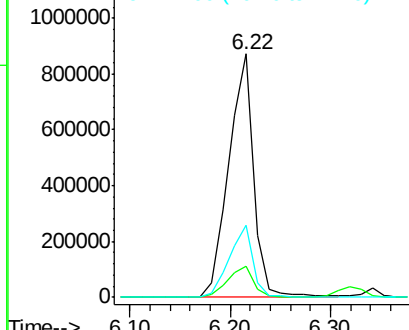
99 100

42 13.0 10.6 15.8

71 29.4 23.0 34.6



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: 13.66 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

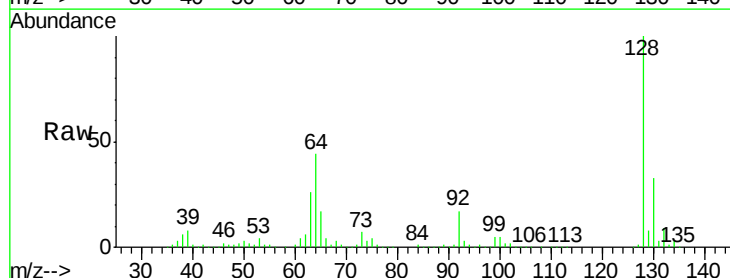
Tgt Ion: 128 Resp: 676496

Ion Ratio Lower Upper

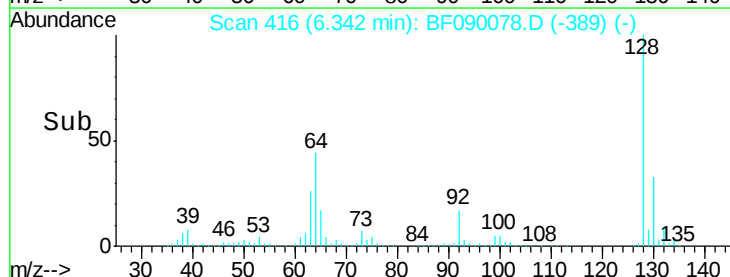
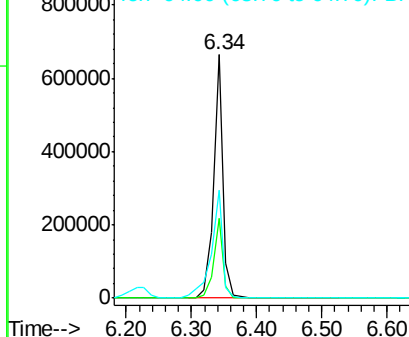
128 100

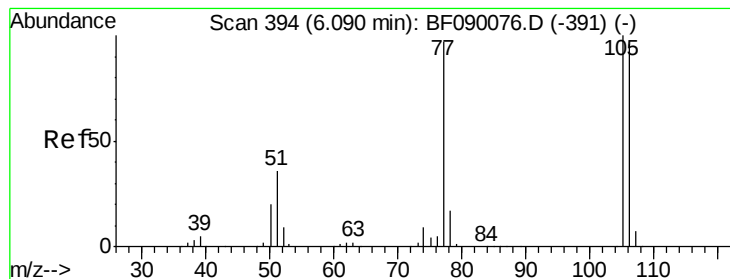
130 32.9 12.0 52.0

64 44.3 33.6 73.6



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: 12.86 ng

RT: 6.09 min Scan# 394

Delta R.T. 0.00 min

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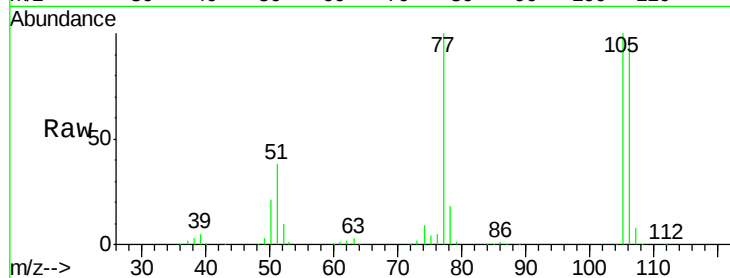
Tgt Ion: 77 Resp: 385023

Ion Ratio Lower Upper

77 100

105 99.8 83.0 123.0

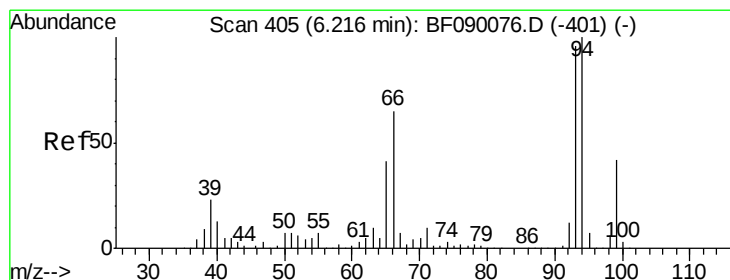
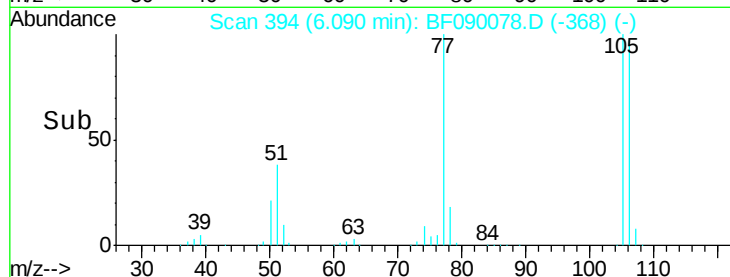
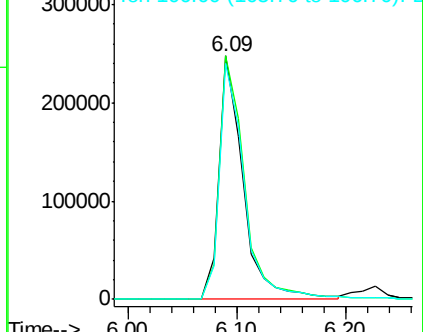
106 97.0 78.5 118.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 12.63 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF090078.D

Acq: 15 Sep 2016 4:34

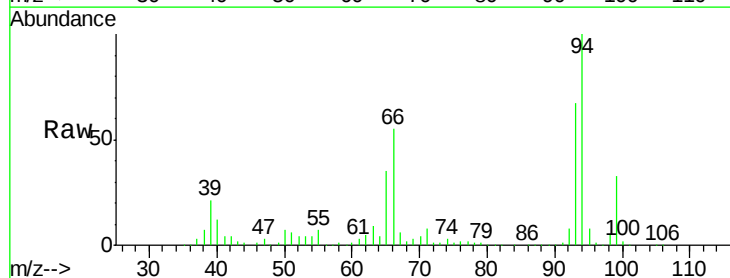
Tgt Ion: 94 Resp: 829434

Ion Ratio Lower Upper

94 100

65 35.2 20.6 60.6

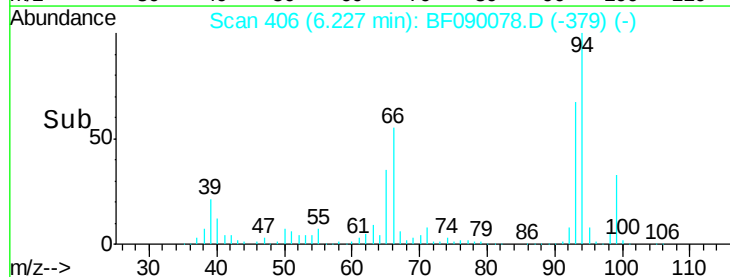
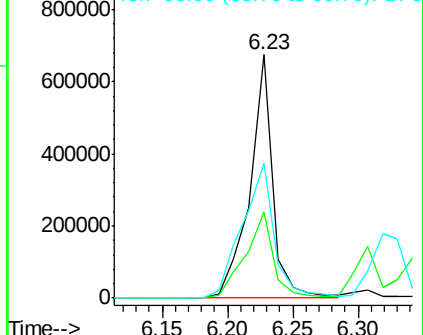
66 55.3 45.1 85.1

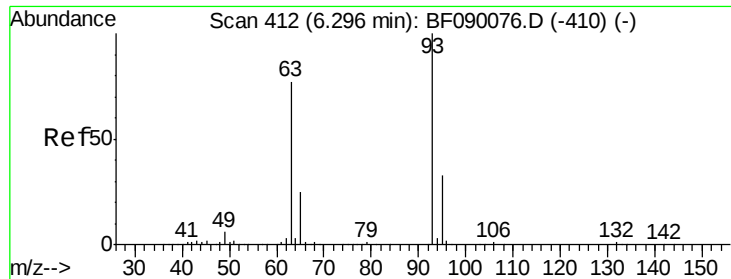


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

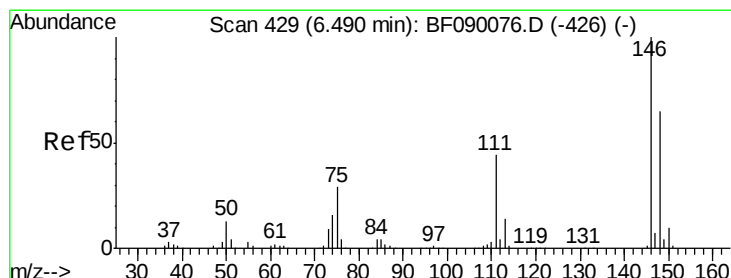
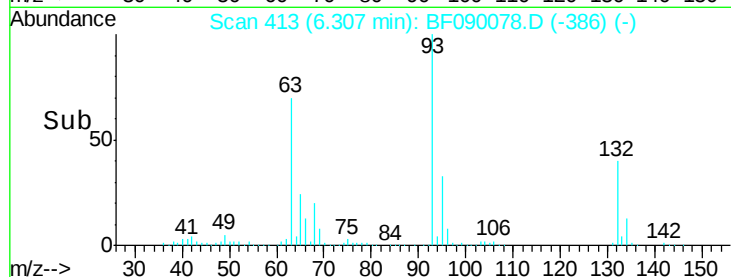
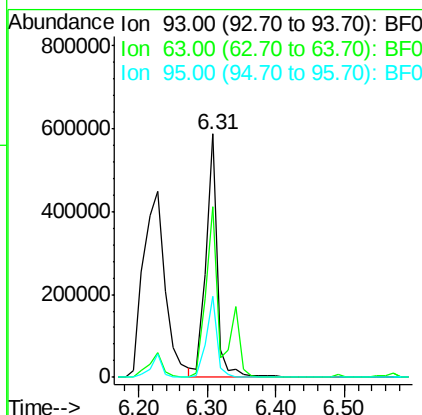
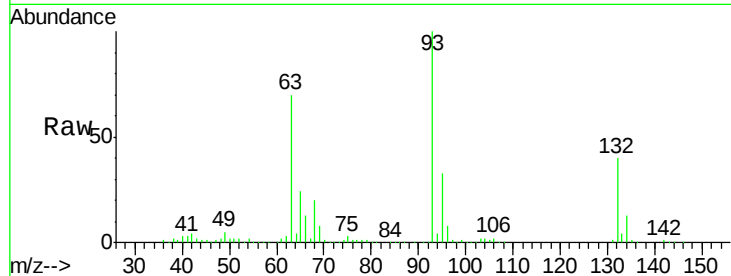




#11
 bis(2-Chloroethyl)ether
 Concen: 13.29 ng
 RT: 6.31 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

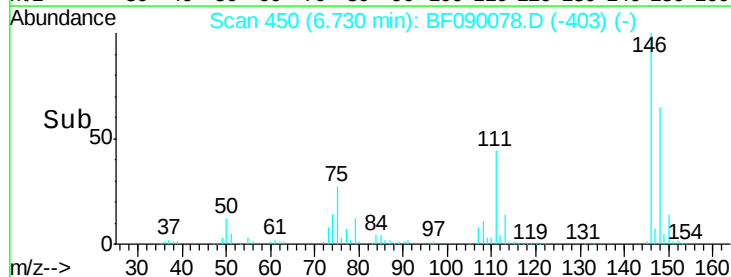
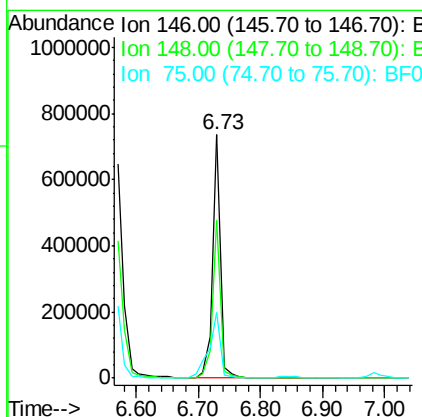
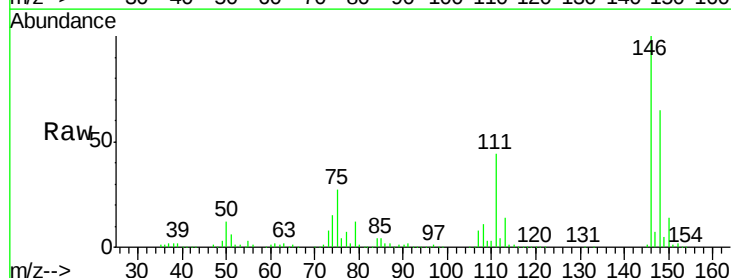
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

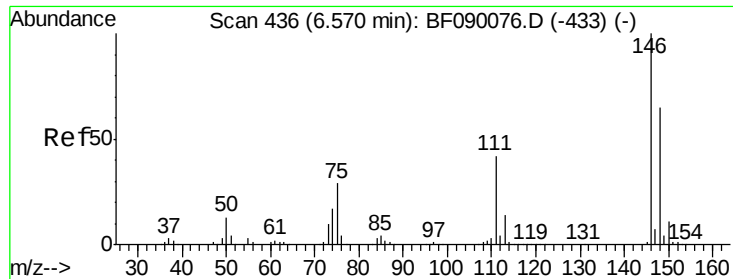
Tgt Ion:	93	Resp:	670327
Ion	Ratio	Lower	Upper
93	100		
63	69.9	55.6	95.6
95	33.2	12.6	52.6



#12
 1,3-Dichlorobenzene
 Concen: 12.59 ng
 RT: 6.73 min Scan# 450
 Delta R.T. 0.24 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

Tgt Ion:	146	Resp:	643384
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	27.2	22.8	34.2

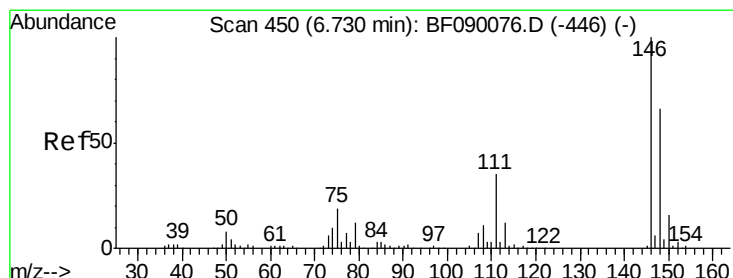
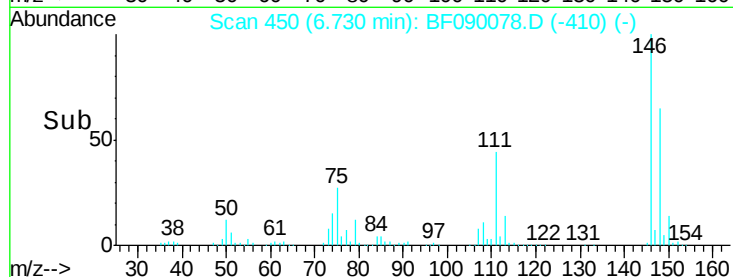
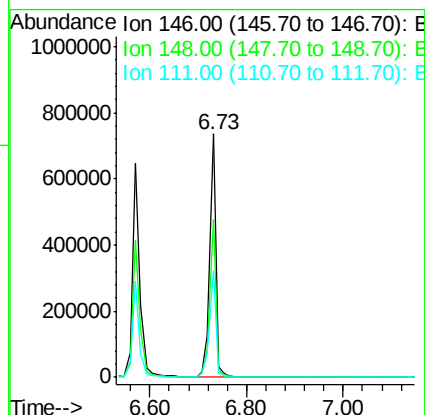
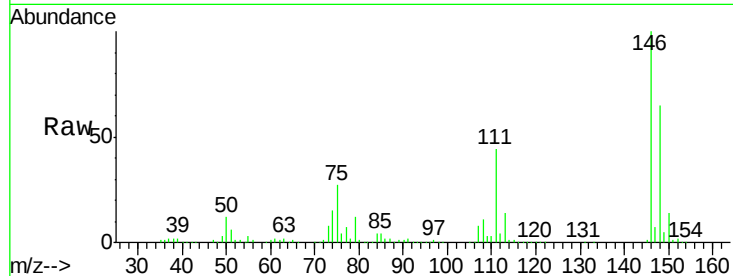




#13
 1,4-Dichlorobenzene
 Concen: 12.41 ng
 RT: 6.73 min Scan# 450
 Delta R.T. 0.16 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

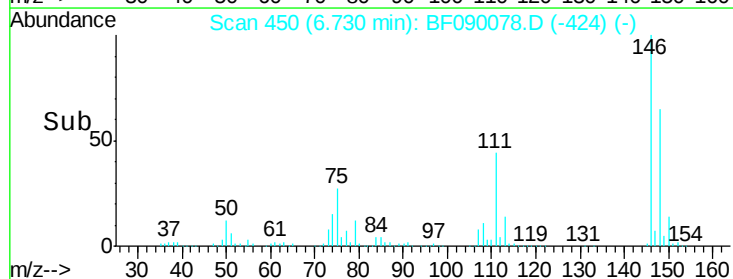
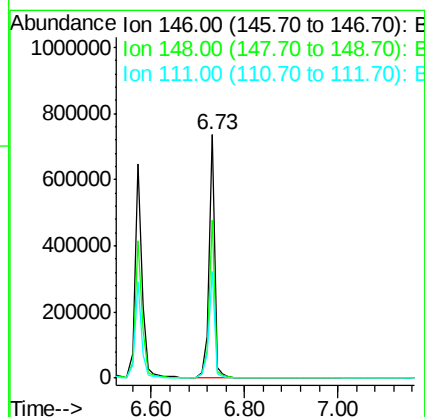
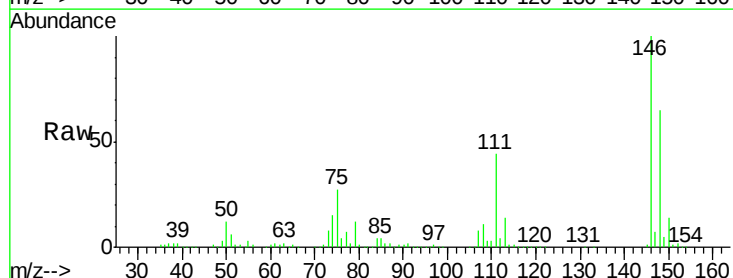
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

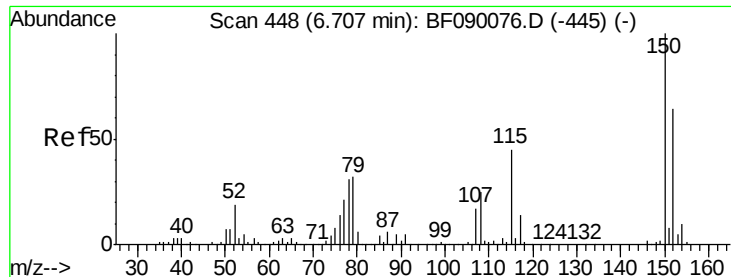
Tgt Ion:146 Resp: 649955
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.0 78.0
 111 43.5 33.8 50.6



#14
 1,2-Dichlorobenzene
 Concen: 13.48 ng
 RT: 6.73 min Scan# 450
 Delta R.T. 0.00 min
 Lab File: BF090078.D
 Acq: 15 Sep 2016 4:34

Tgt Ion:146 Resp: 649963
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.6 79.0
 111 43.5 28.2 42.2#

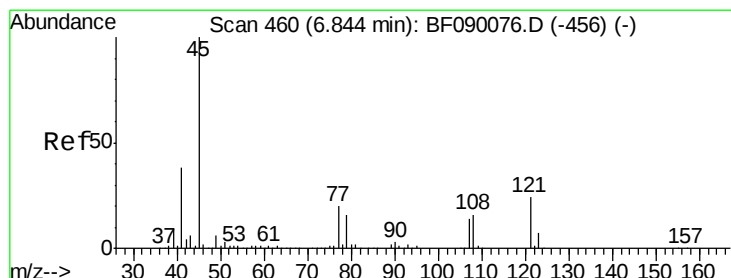
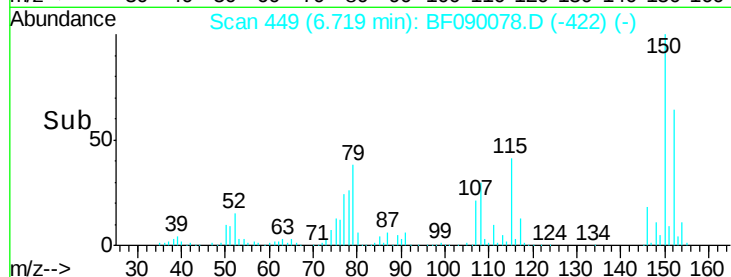
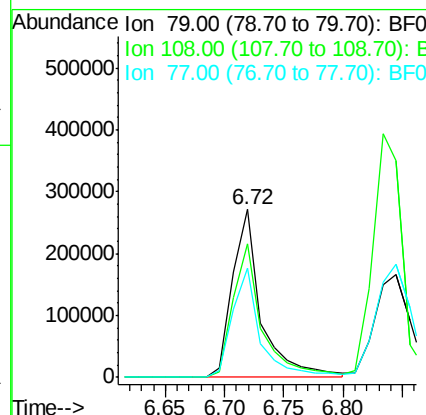
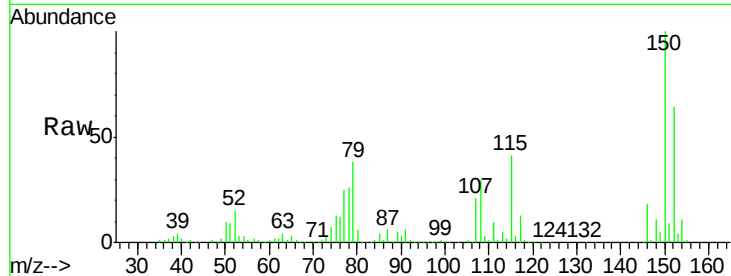




#15
Benzyl Alcohol
Concen: 14.27 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

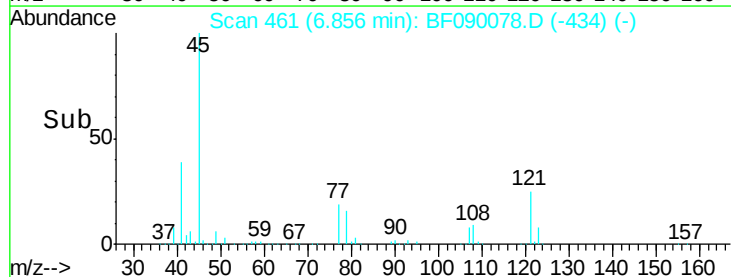
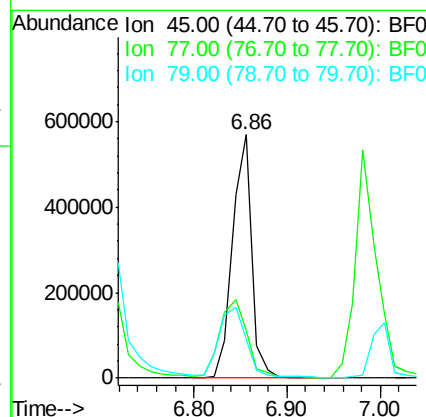
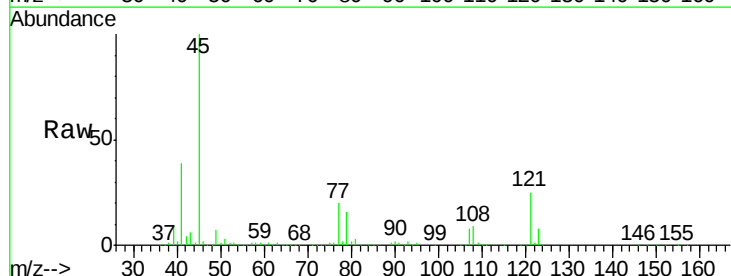
Instrument :
BNA_F
ClientSampled :
SSTDIC060

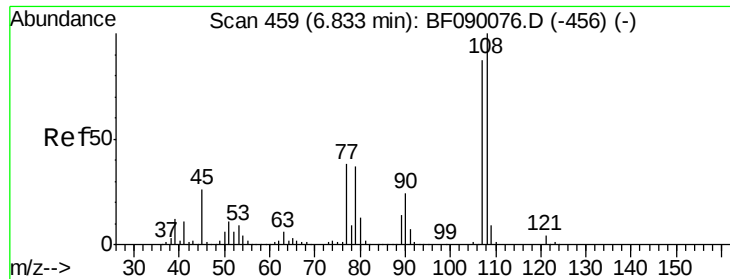
Tgt Ion: 79 Resp: 456505
Ion Ratio Lower Upper
79 100
108 80.0 62.2 93.4
77 65.1 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.48 ng
RT: 6.86 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

Tgt Ion: 45 Resp: 818299
Ion Ratio Lower Upper
45 100
77 19.7 0.5 40.5
79 16.1 0.0 37.0

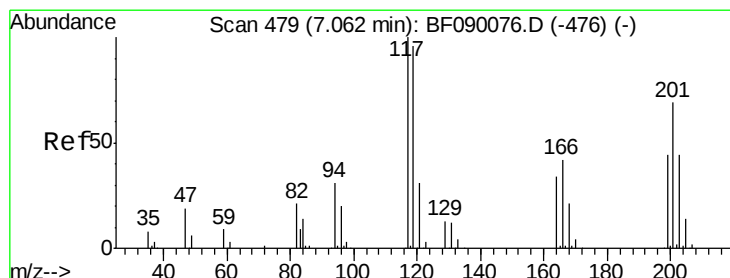
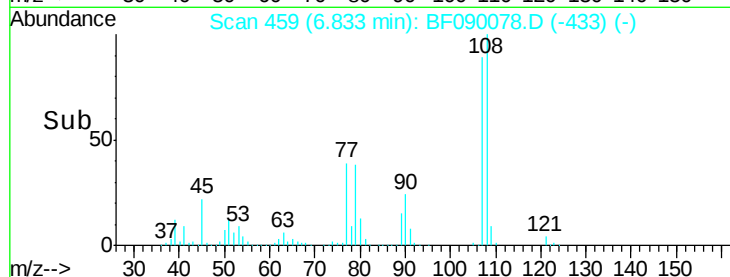
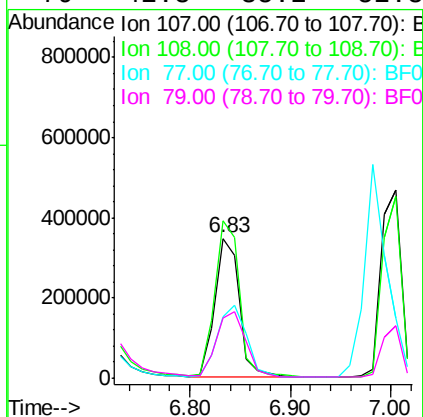
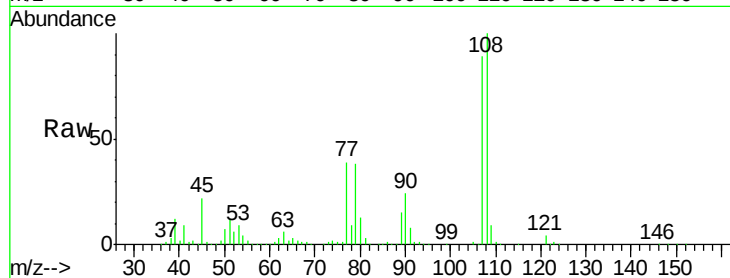




#17
2-Methylphenol
Concen: 14.60 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

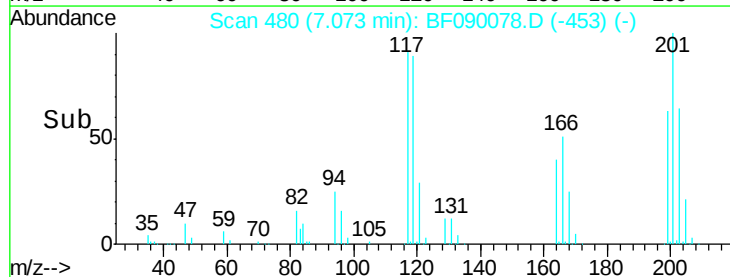
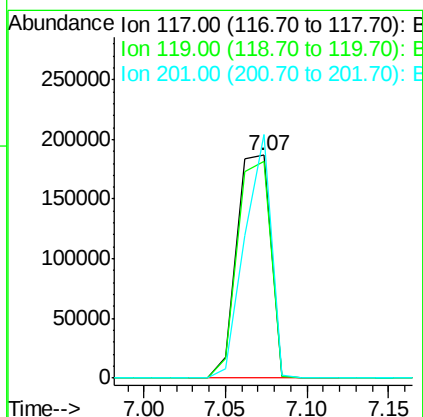
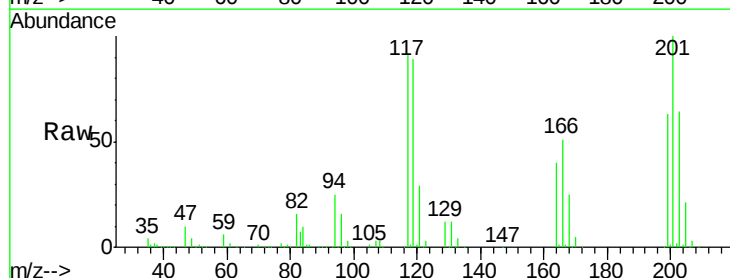
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

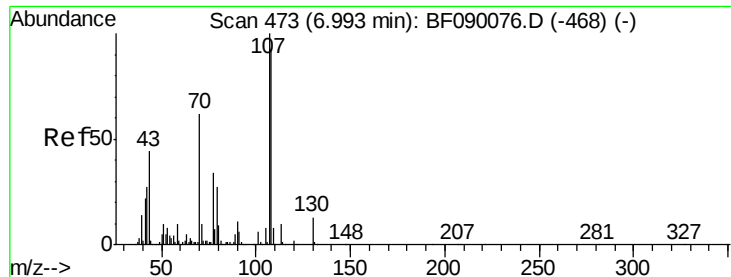
Tgt Ion:	107	Resp:	589827
Ion	Ratio	Lower	Upper
107	100		
108	113.0	92.0	138.0
77	44.2	35.6	53.4
79	42.8	35.2	52.8



#18
Hexachloroethane
Concen: 13.93 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.01 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

Tgt Ion:	117	Resp:	266916
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.6	115.0
201	109.4	55.5	83.3#

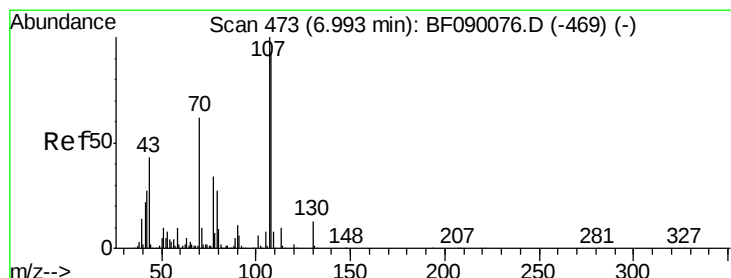
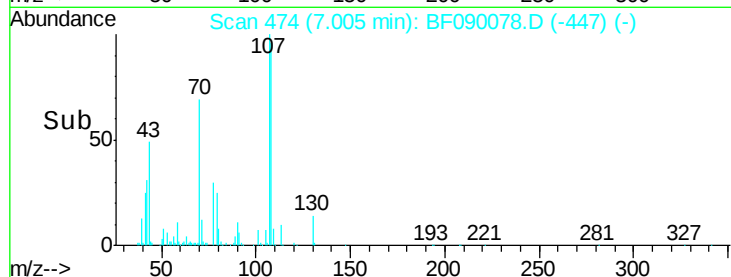
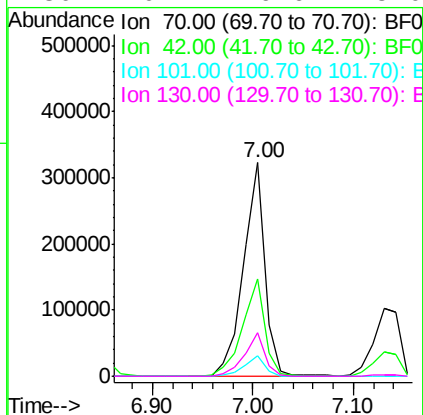
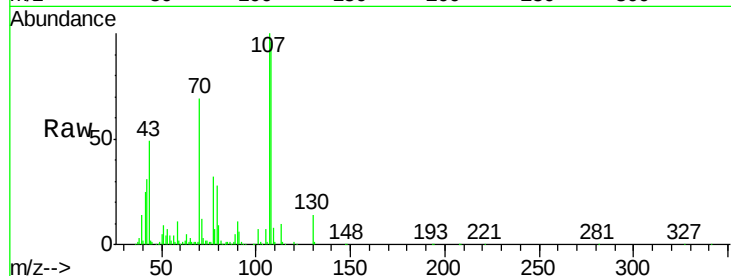




#19
n-Nitroso-di-n-propylamine
Concen: 13.80 ng
RT: 7.00 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

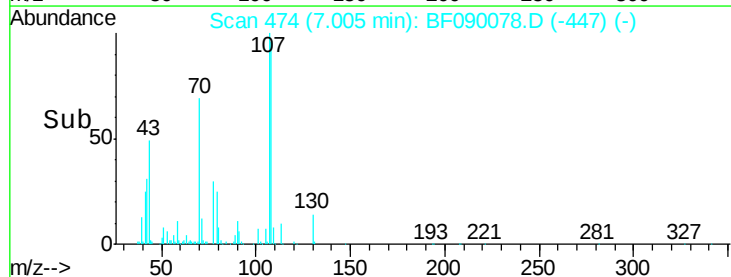
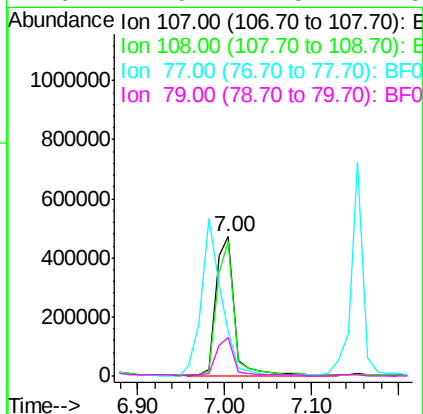
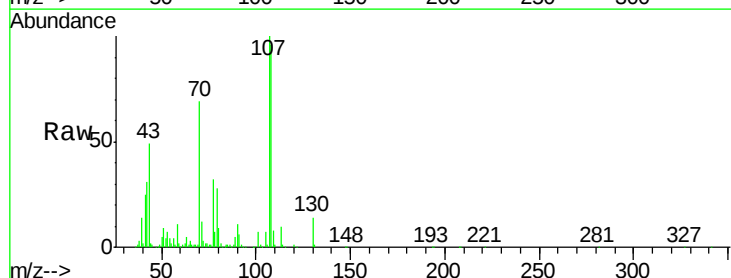
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

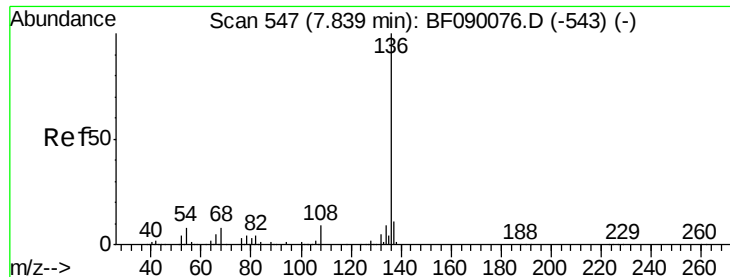
Tgt Ion:	70	Resp:	481435
Ion	Ratio	Lower	Upper
70	100		
42	45.5	35.1	52.7
101	9.7	7.5	11.3
130	20.2	16.6	25.0



#20
3+4-Methylphenols
Concen: 14.48 ng
RT: 7.00 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

Tgt Ion:	107	Resp:	703991
Ion	Ratio	Lower	Upper
107	100		
108	96.3	73.3	113.3
77	32.0	14.1	54.1
79	27.9	7.5	47.5

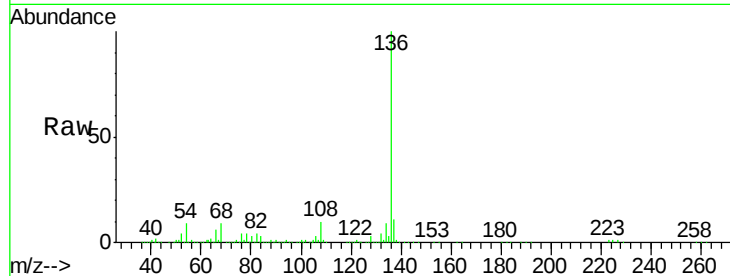




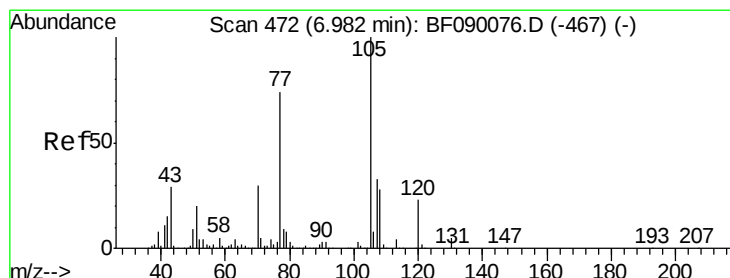
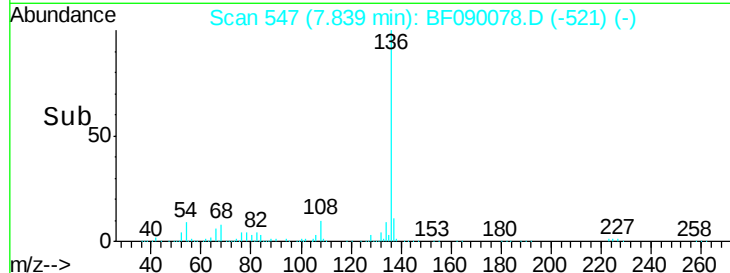
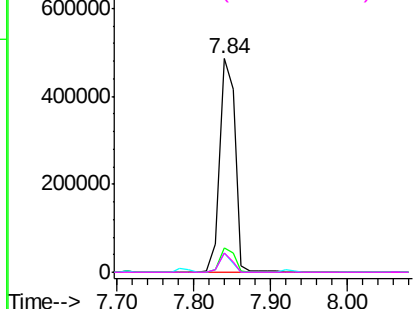
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:	136	Resp:	685117
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.9	6.4	9.6
68	8.8	6.3	9.5

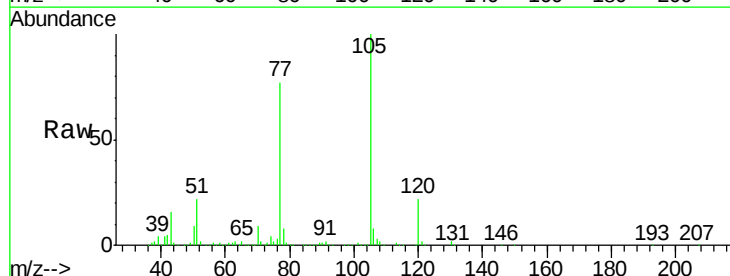


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 56.11 ng
RT: 6.98 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF090078.D
Acq: 15 Sep 2016 4:34

Tgt Ion:	105	Resp:	930324
Ion	Ratio	Lower	Upper
105	100		
71	1.6	4.1	6.1#
51	22.2	16.2	24.2
120	21.7	18.2	27.2



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

