

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091820.D
 Acq On : 20 Dec 2016 15:17
 Operator : UM/SJ
 Sample : H6165-01MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

Quant Time: Dec 20 23:41:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	206912	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	829024	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	438949	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	688173	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	510548	20.00	ng	-0.01
86) Perylene-d12	15.31	264	424663	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1670492	135.26	ng	0.01
7) Phenol-d6	6.42	99	1933009	128.34	ng	0.00
23) Nitrobenzene-d5	7.33	82	1388874	96.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	432062	116.08	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1968179	90.08	ng	-0.01
78) Terphenyl-d14	12.87	244	1592511	78.76	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	260285	42.80	ng	99
3) Pyridine	3.06	79	832930	42.51	ng	96
4) n-Nitrosodimethylamine	3.01	42	400163	52.77	ng	98
6) Aniline	6.43	93	672005	34.67	ng	# 73
8) 2-Chlorophenol	6.56	128	680012	50.02	ng	86
9) Benzaldehyde	6.30	77	100394	8.68	ng	99
10) Phenol	6.43	94	828243	48.79	ng	93
11) bis(2-Chloroethyl)ether	6.50	93	685078	50.53	ng	96
12) 1,3-Dichlorobenzene	6.70	146	727886	48.75	ng	97
13) 1,4-Dichlorobenzene	6.77	146	684974	45.35	ng	100
14) 1,2-Dichlorobenzene	6.93	146	676522	51.13	ng	98
15) Benzyl Alcohol	6.91	79	541900	46.47	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.05	45	911491	43.99	ng	91
17) 2-Methylphenol	7.04	107	566516	49.87	ng	96
18) Hexachloroethane	7.28	117	269962	48.10	ng	97
19) n-Nitroso-di-n-propylamine	7.18	70	467717	46.68	ng	98
20) 3+4-Methylphenols	7.20	107	722027	56.98	ng	# 73
22) Acetophenone	7.17	105	963633	48.14	ng	95
24) Nitrobenzene	7.34	77	683403	44.27	ng	99
25) Isophorone	7.60	82	1388650	50.63	ng	100
26) 2-Nitrophenol	7.66	139	365315	49.05	ng	99
27) 2,4-Dimethylphenol	7.72	122	635082	52.27	ng	93
28) bis(2-Chloroethoxy)methane	7.80	93	813439	50.69	ng	99
29) 2,4-Dichlorophenol	7.92	162	589817	52.64	ng	96
30) 1,2,4-Trichlorobenzene	7.98	180	588715	48.48	ng	# 94
31) Naphthalene	8.06	128	1849534	46.70	ng	100
32) Benzoic acid	7.81	122	75967	8.77	ng	96
33) 4-Chloroaniline	8.12	127	536896	32.18	ng	99
34) Hexachlorobutadiene	8.19	225	332372	48.68	ng	99
35) Caprolactam	8.50	113	97326	27.00	ng	# 71
36) 4-Chloro-3-methylphenol	8.62	107	664955	53.80	ng	95
37) 2-Methylnaphthalene	8.76	142	1270765	50.89	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	530905	48.52	ng	99
40) Hexachlorocyclopentadiene	8.91	237	437083	94.25	ng	96

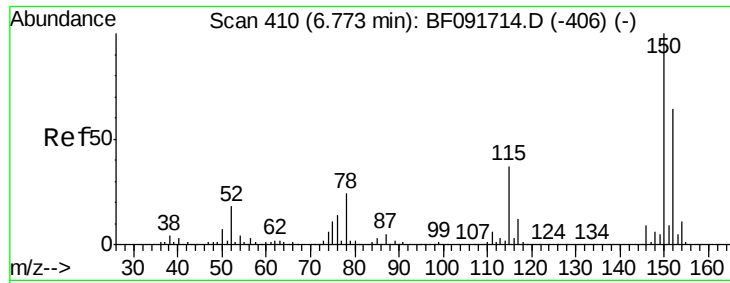
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	392925	50.26	ng	99
43) 2,4,5-Trichlorophenol	9.09	196	376946	49.08	ng	95
45) 1,1'-Biphenyl	9.23	154	1567081	49.81	ng	98
46) 2-Chloronaphthalene	9.25	162	1178507	50.12	ng	98
47) 2-Nitroaniline	9.34	65	389935	48.58	ng	95
48) Acenaphthylene	9.66	152	1804840	49.54	ng	99
49) Dimethylphthalate	9.54	163	1938913	67.62	ng	100
50) 2,6-Dinitrotoluene	9.60	165	333590	53.06	ng	93
51) Acenaphthene	9.84	154	1149943	45.99	ng	99
52) 3-Nitroaniline	9.76	138	261624	33.43	ng	96
53) 2,4-Dinitrophenol	9.87	184	103681	30.53	ng	# 87
54) Dibenzofuran	10.01	168	1602307	53.89	ng	100
55) 4-Nitrophenol	9.95	139	501549	92.27	ng	# 72
56) 2,4-Dinitrotoluene	10.00	165	375577	47.83	ng	90
57) Fluorene	10.35	166	1228484	53.20	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.13	232	308983	48.66	ng	100
59) Diethylphthalate	10.24	149	1352260	47.98	ng	95
60) 4-Chlorophenyl-phenylether	10.34	204	491539	46.73	ng	99
61) 4-Nitroaniline	10.37	138	329451	44.43	ng	99
62) Azobenzene	10.50	77	1441887	48.08	ng	99
64) 4,6-Dinitro-2-methylphenol	10.41	198	171058	37.69	ng	90
65) n-Nitrosodiphenylamine	10.46	169	1083607	50.71	ng	99
66) 4-Bromophenyl-phenylether	10.83	248	360324	49.93	ng	93
67) Hexachlorobenzene	10.90	284	385940	51.04	ng	# 89
68) Atrazine	10.99	200	343187	53.14	ng	96
69) Pentachlorophenol	11.09	266	328738	80.56	ng	99
70) Phenanthrene	11.31	178	1829414	53.20	ng	98
71) Anthracene	11.36	178	1689281	46.38	ng	99
72) Carbazole	11.52	167	1604758	50.39	ng	99
73) Di-n-butylphthalate	11.85	149	1837291	45.00	ng	99
74) Fluoranthene	12.49	202	1637203	45.59	ng	98
76) Benzidine	12.61	184	780447	53.11	ng	97
77) Pyrene	12.72	202	1664743	45.15	ng	100
79) Butylbenzylphthalate	13.35	149	845050	48.97	ng	88
80) Benzo(a)anthracene	13.91	228	1347415	46.14	ng	100
81) 3,3'-Dichlorobenzidine	13.87	252	377754	32.33	ng	# 95
82) Chrysene	13.94	228	1115320	36.85	ng	99
83) Bis(2-ethylhexyl)phthalate	13.91	149	959828	43.85	ng	# 98
84) Di-n-octyl phthalate	14.51	149	1702683	42.21	ng	99
85) Indeno(1,2,3-cd)pyrene	16.66	276	1242140	41.73	ng	99
87) Benzo(b)fluoranthene	14.95	252	2351929	87.34	ng	100
88) Benzo(k)fluoranthene	14.95	252	2353564	124.57	ng	99
89) Benzo(a)pyrene	15.25	252	1131423	48.95	ng	98
90) Dibenzo(a,h)anthracene	16.68	278	1023674	50.81	ng	# 94
91) Benzo(g,h,i)perylene	17.07	276	1088243	53.15	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091820.D

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SB-5-9-10MSD

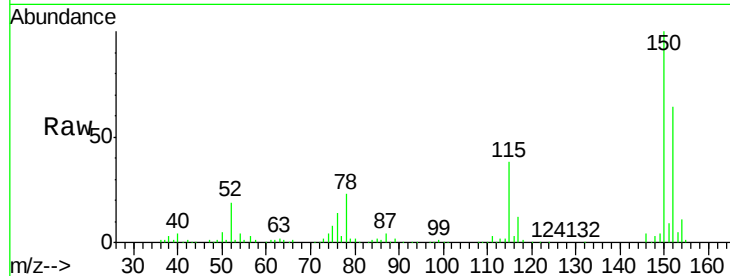
Tgt Ion:152 Resp: 206912

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

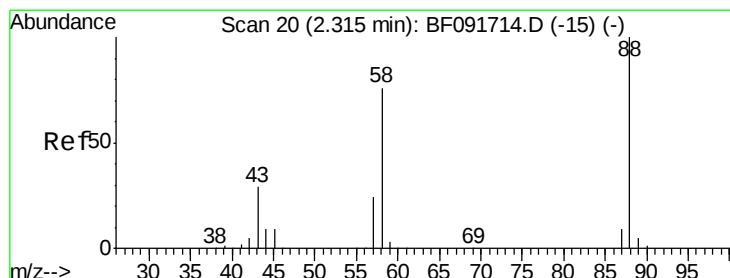
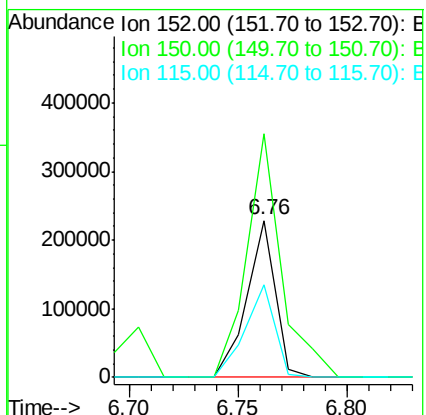
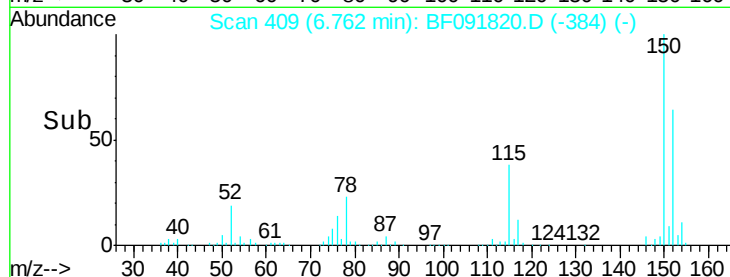
115 59.2 46.0 69.0



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: 42.80 ng

RT: 2.37 min Scan# 25

Delta R.T. 0.06 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

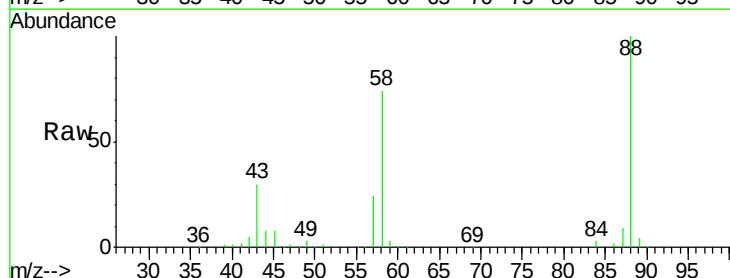
Tgt Ion: 88 Resp: 260285

Ion Ratio Lower Upper

88 100

58 73.8 57.8 86.8

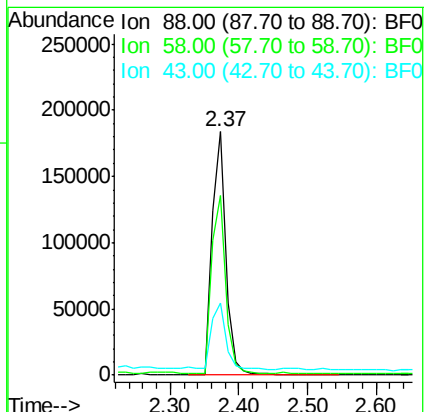
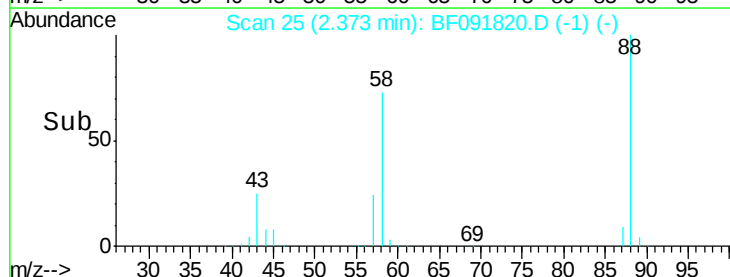
43 28.1 22.3 33.5

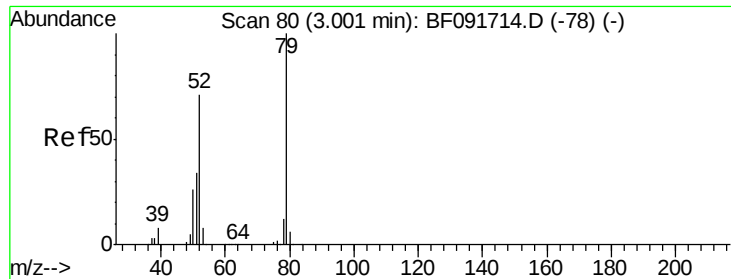


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 42.51 ng

RT: 3.06 min Scan# 85

Delta R.T. 0.06 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

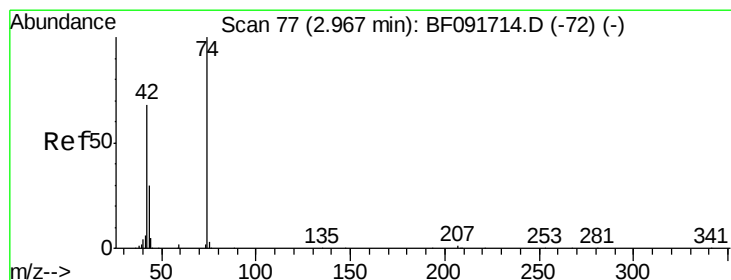
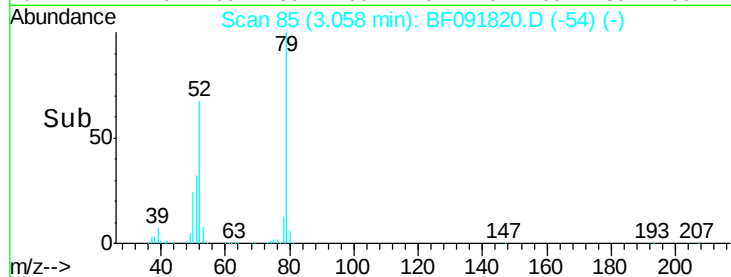
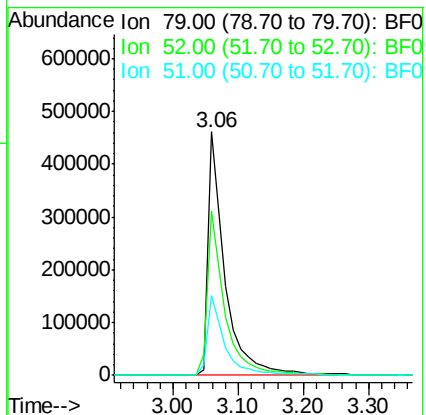
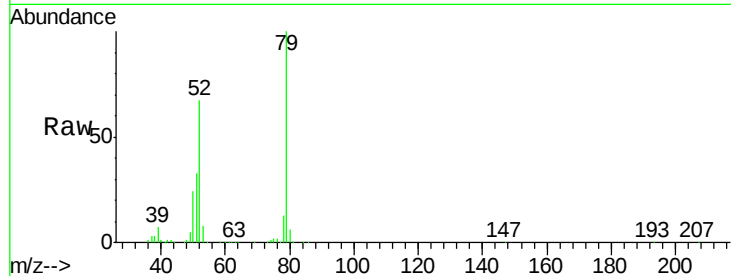
Tgt Ion: 79 Resp: 832930

Ion Ratio Lower Upper

79 100

52 67.4 57.1 85.7

51 32.7 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 52.77 ng

RT: 3.01 min Scan# 81

Delta R.T. 0.05 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

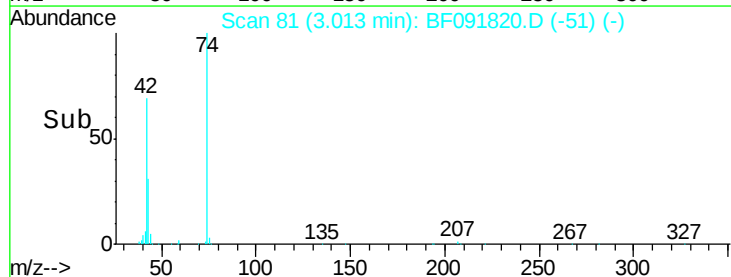
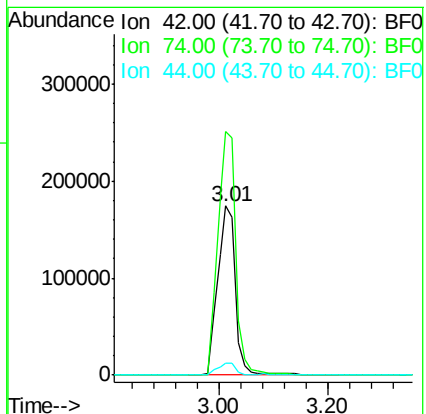
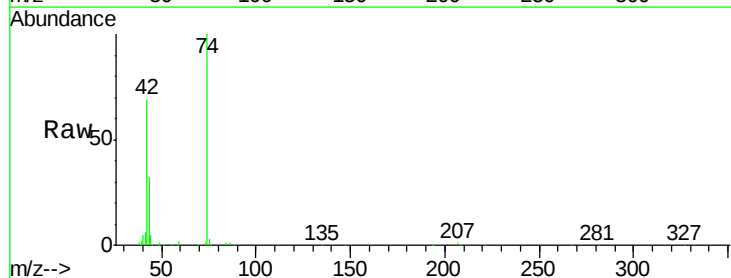
Tgt Ion: 42 Resp: 400163

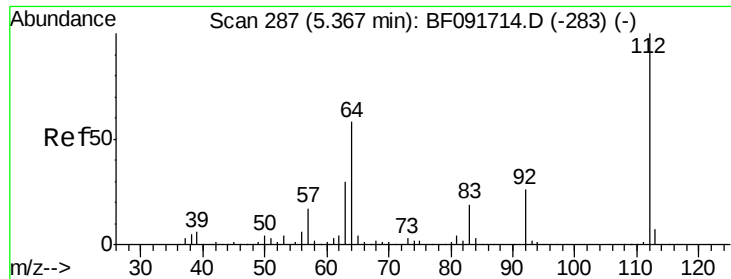
Ion Ratio Lower Upper

42 100

74 143.9 117.0 175.4

44 6.7 5.5 8.3





#5

2-Fluorophenol

Concen: 135.26 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

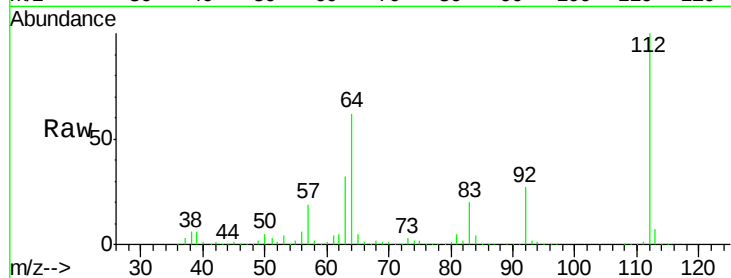
Tgt Ion:112 Resp: 1670492

Ion Ratio Lower Upper

112 100

64 62.3 46.1 69.1

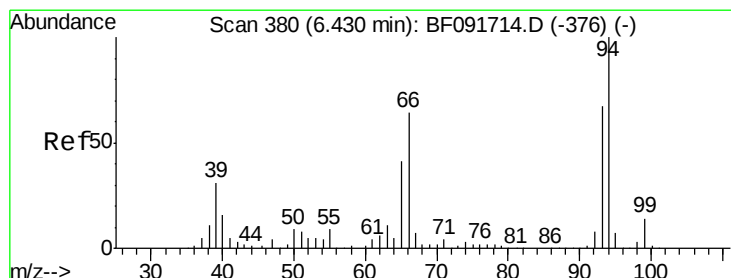
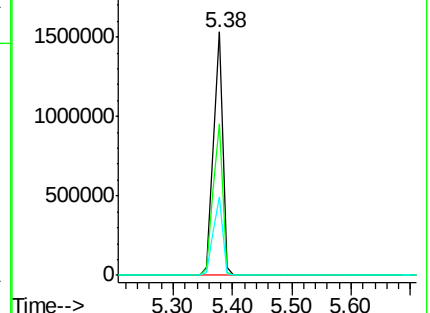
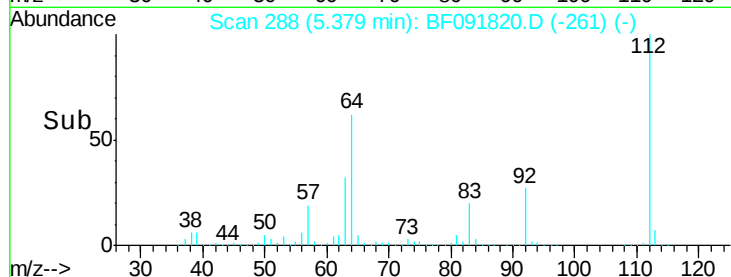
63 32.5 23.8 35.6



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: 34.67 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

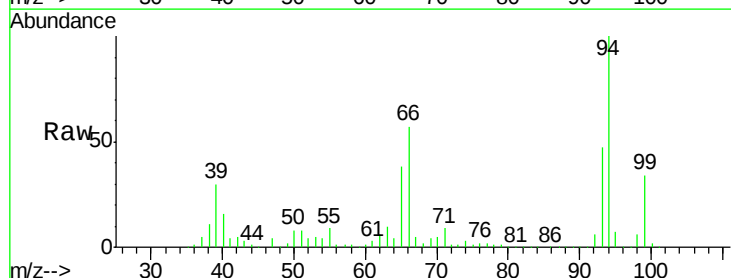
Tgt Ion: 93 Resp: 672005

Ion Ratio Lower Upper

93 100

66 121.7 76.2 114.2#

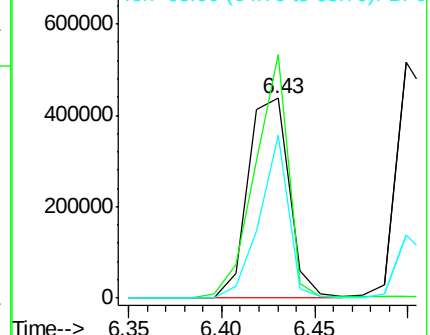
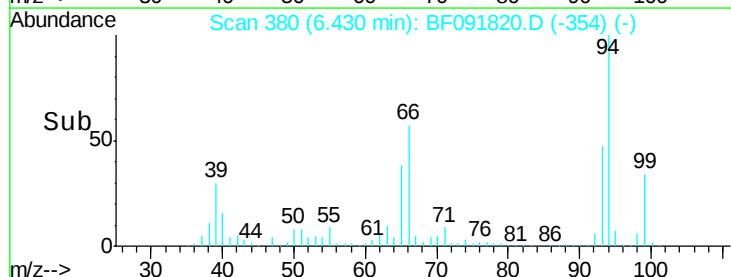
65 81.6 49.3 73.9#

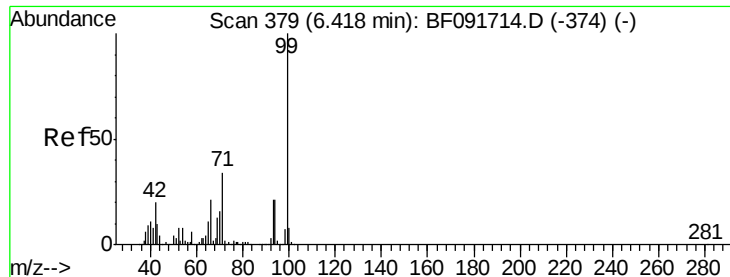


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.34 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

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SB-5-9-10MSD

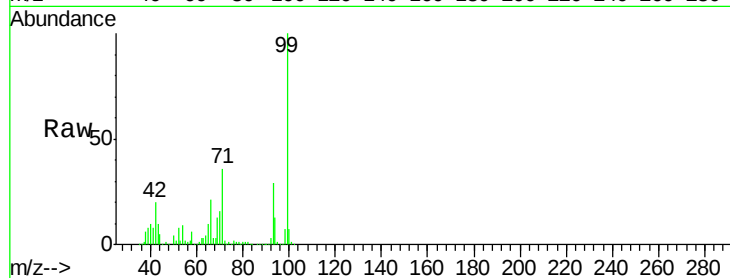
Tgt Ion: 99 Resp: 1933009

Ion Ratio Lower Upper

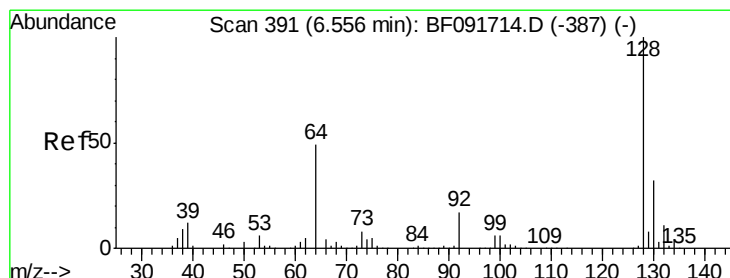
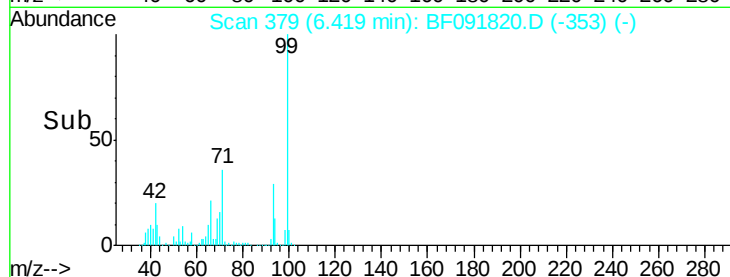
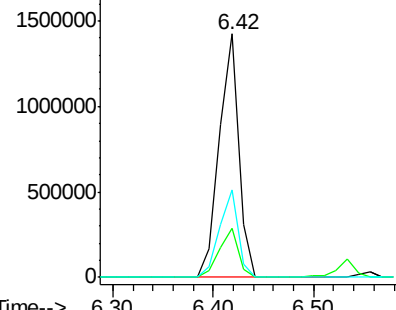
99 100

42 20.1 15.6 23.4

71 36.0 27.5 41.3



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: 50.02 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

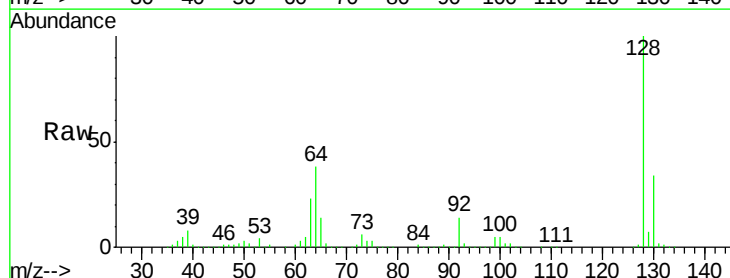
Tgt Ion: 128 Resp: 680012

Ion Ratio Lower Upper

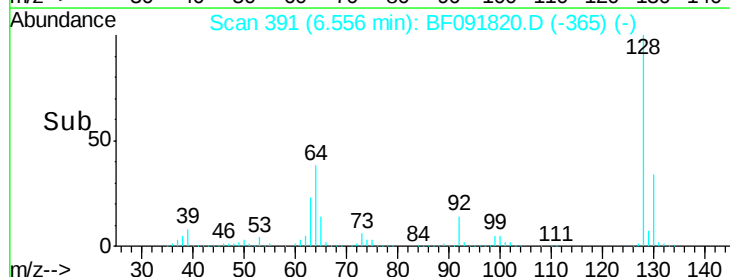
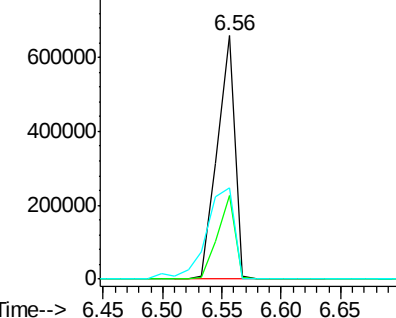
128 100

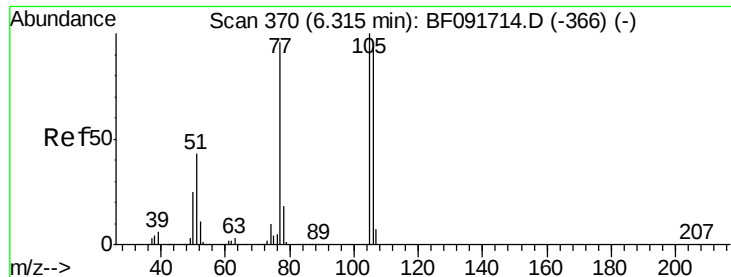
130 34.2 12.3 52.3

64 37.6 32.2 72.2



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: 8.68 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

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SB-5-9-10MSD

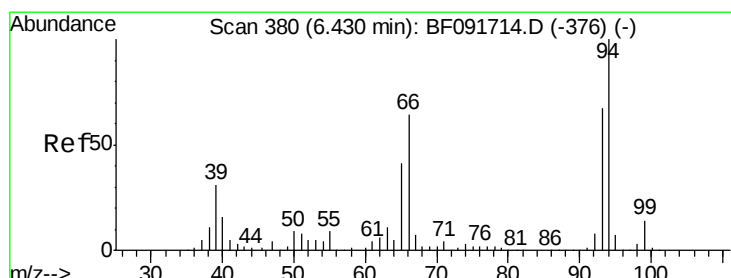
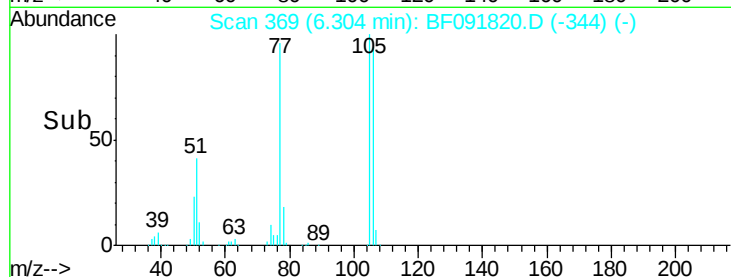
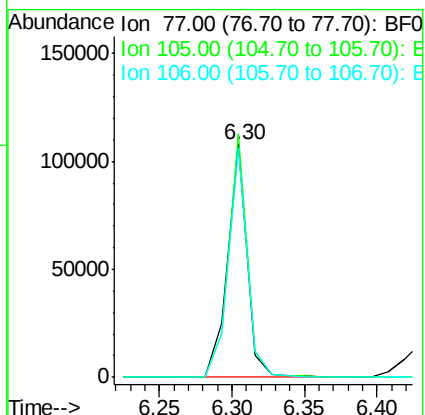
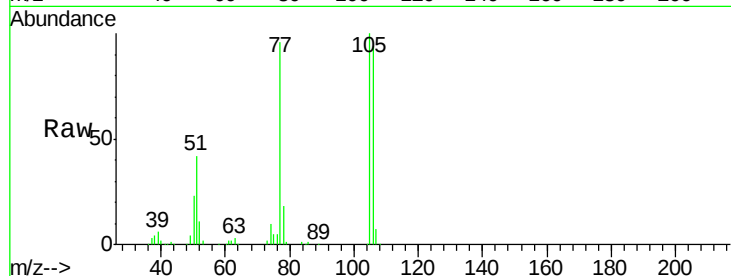
Tgt Ion: 77 Resp: 100394

Ion Ratio Lower Upper

77 100

105 104.5 83.9 123.9

106 98.4 77.6 117.6



#10

Phenol

Concen: 48.79 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

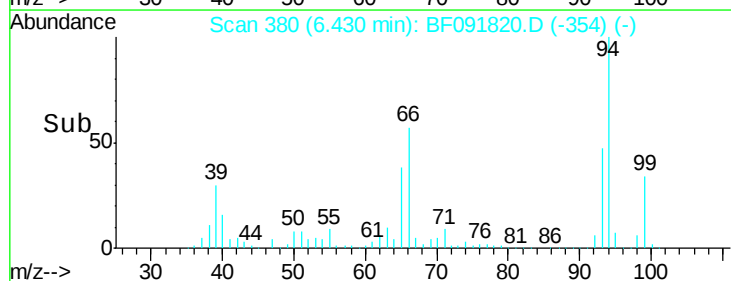
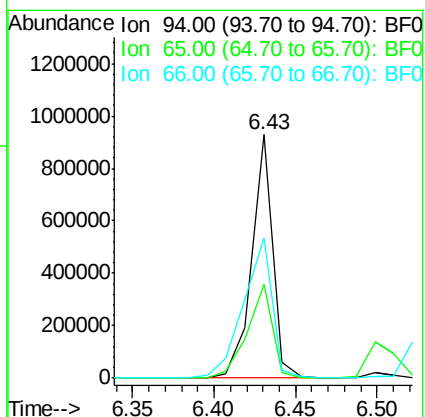
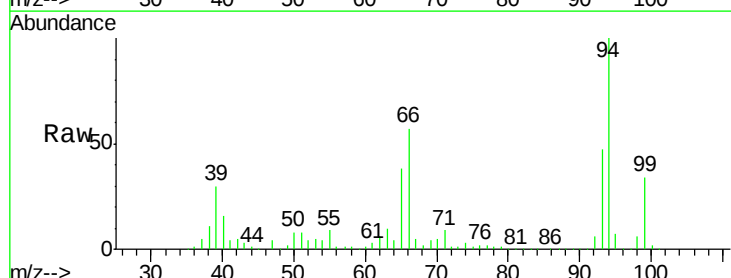
Tgt Ion: 94 Resp: 828243

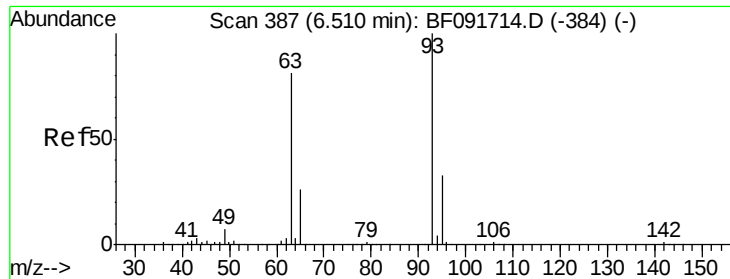
Ion Ratio Lower Upper

94 100

65 38.4 21.4 61.4

66 57.3 44.0 84.0





#11

bis(2-Chloroethyl)ether

Concen: 50.53 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

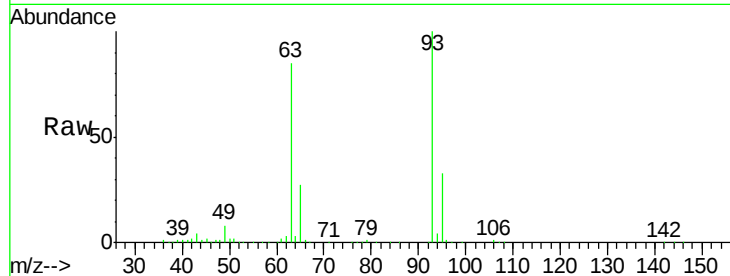
Tgt Ion: 93 Resp: 685078

Ion Ratio Lower Upper

93 100

63 84.8 60.4 100.4

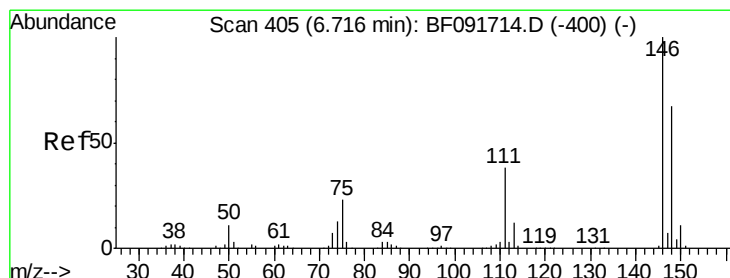
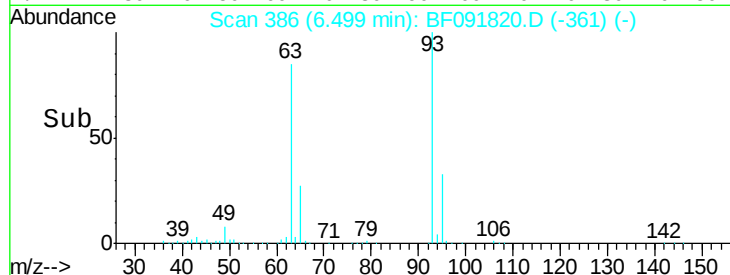
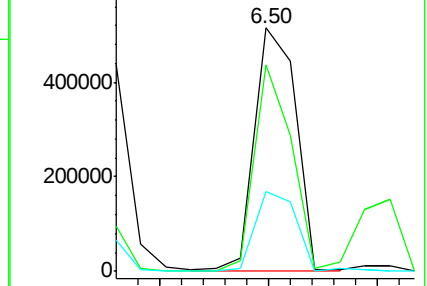
95 32.8 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 48.75 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

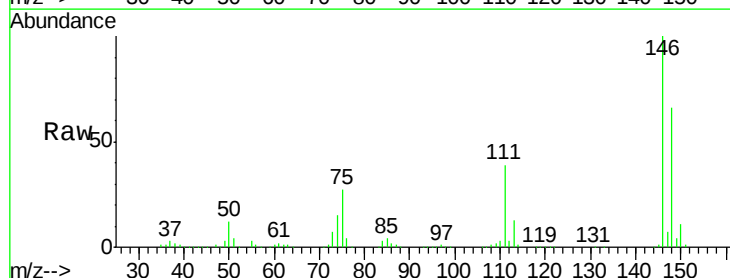
Tgt Ion: 146 Resp: 727886

Ion Ratio Lower Upper

146 100

148 65.5 53.4 80.0

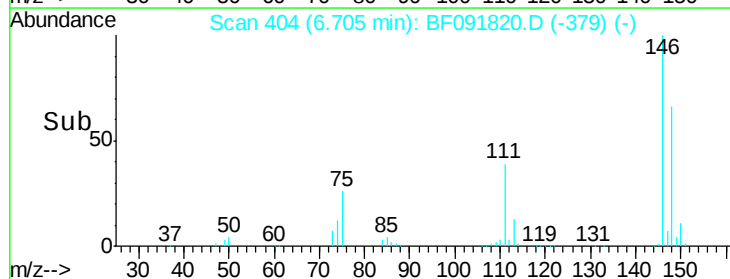
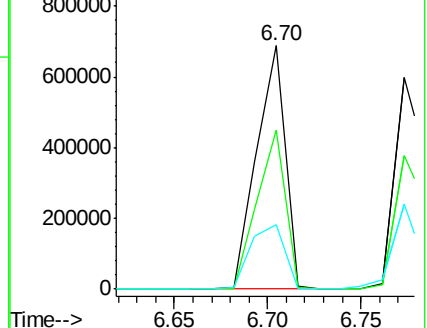
75 26.6 18.5 27.7

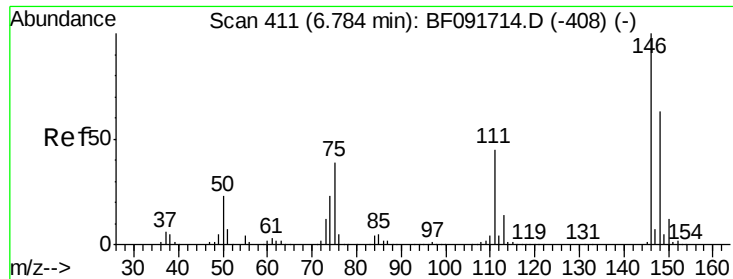


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

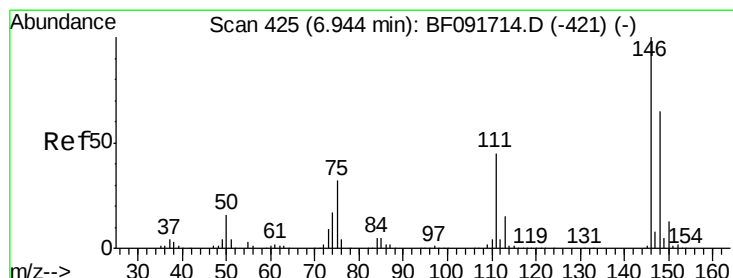
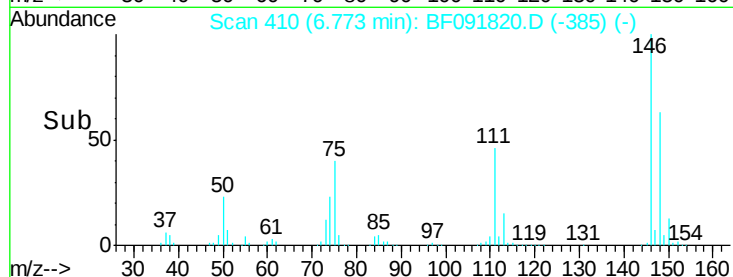
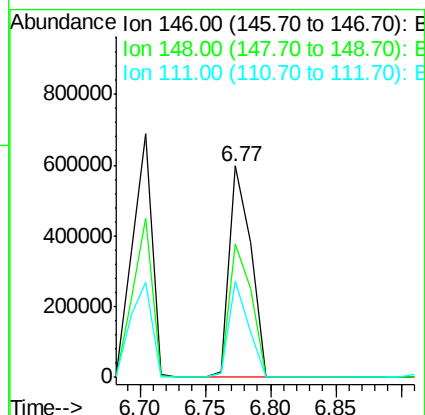
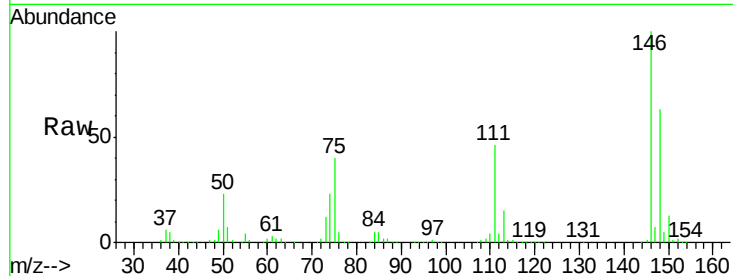




#13
 1,4-Dichlorobenzene
 Concen: 45.35 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

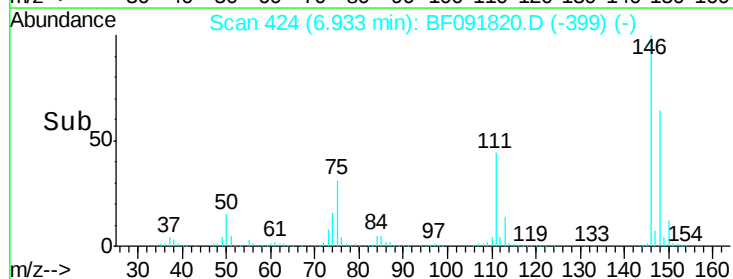
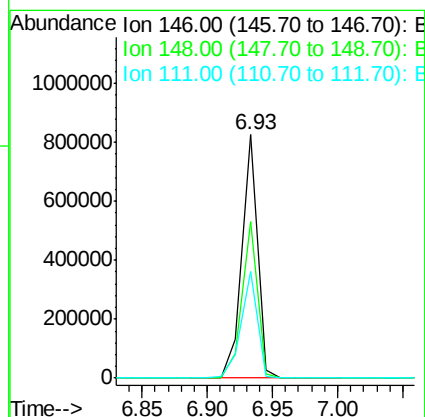
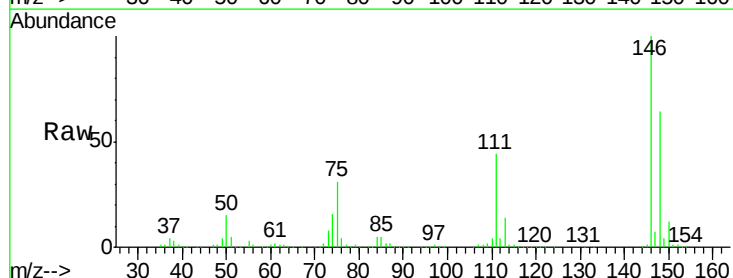
Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

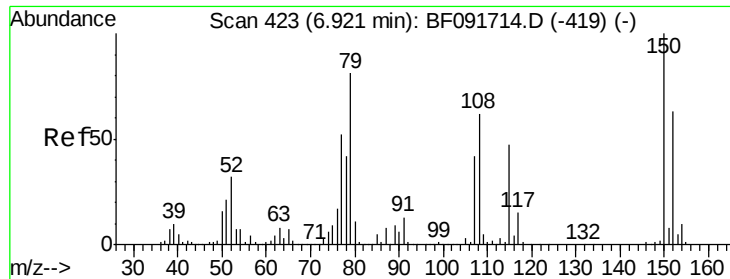
Tgt Ion:146 Resp: 684974
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.6 76.0
 111 45.6 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 51.13 ng
 RT: 6.93 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion:146 Resp: 676522
 Ion Ratio Lower Upper
 146 100
 148 64.2 52.2 78.2
 111 43.9 36.2 54.2

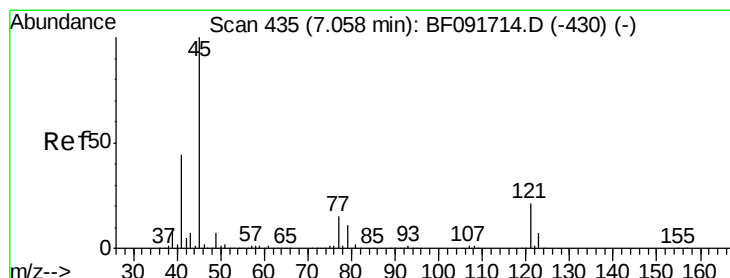
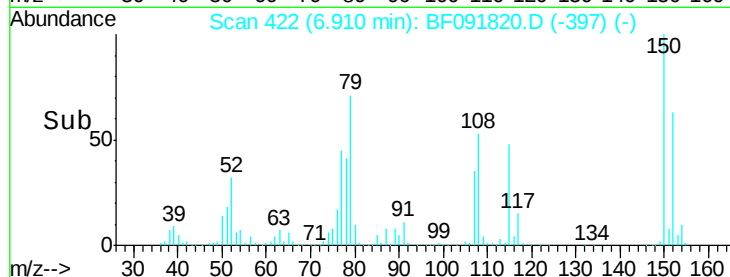
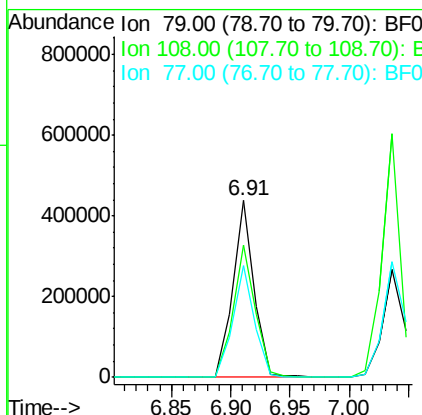
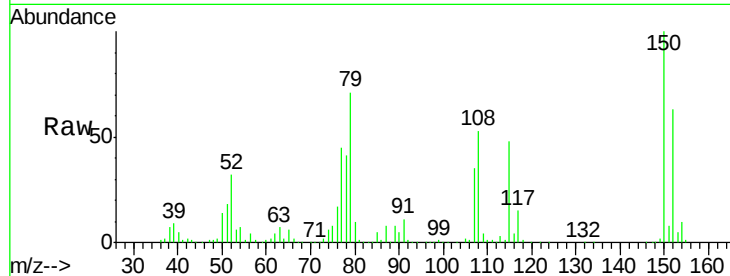




#15
Benzyl Alcohol
Concen: 46.47 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

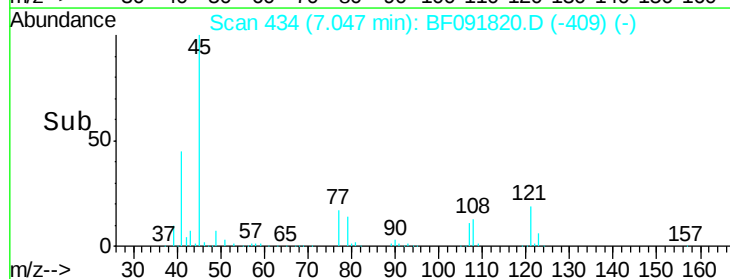
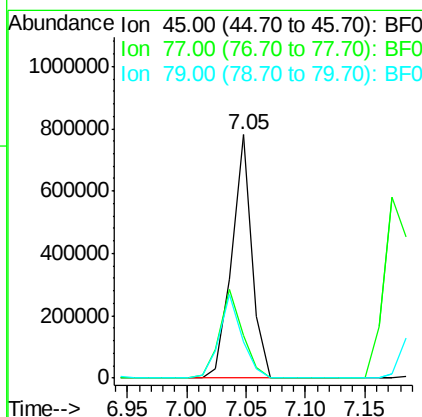
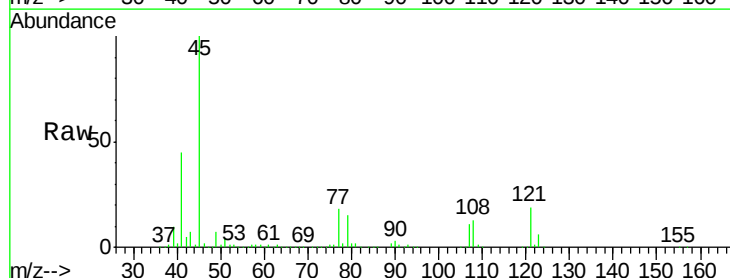
Instrument :
BNA_F
ClientSampleId :
SB-5-9-10MSD

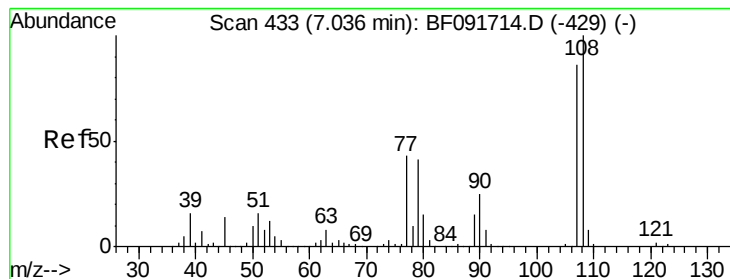
Tgt Ion: 79 Resp: 541900
Ion Ratio Lower Upper
79 100
108 74.7 61.4 92.0
77 63.3 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.99 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

Tgt Ion: 45 Resp: 911491
Ion Ratio Lower Upper
45 100
77 17.8 0.0 34.6
79 14.9 0.0 31.2





#17

2-Methylphenol

Concen: 49.87 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

Tgt Ion:107 Resp: 566516

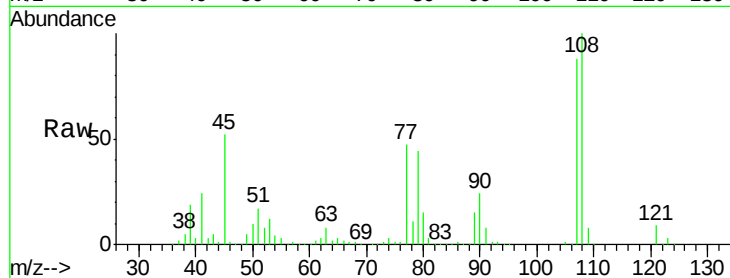
Ion Ratio Lower Upper

107 100

108 114.0 93.0 139.6

77 54.0 39.8 59.8

79 50.6 38.0 57.0

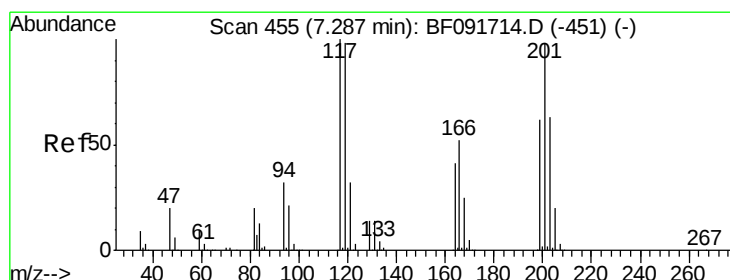
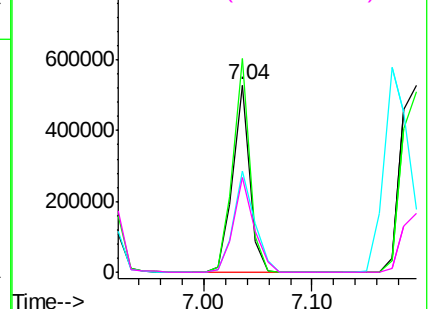
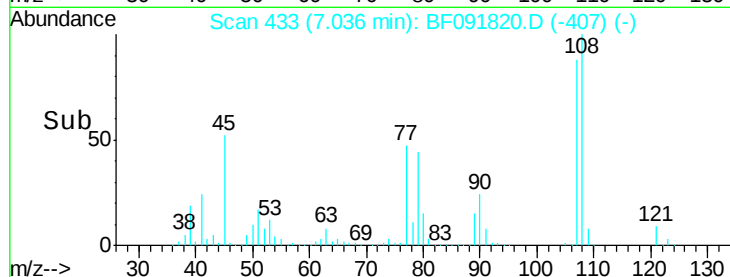


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 48.10 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

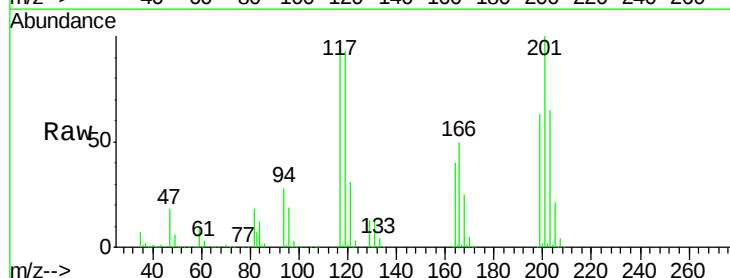
Tgt Ion:117 Resp: 269962

Ion Ratio Lower Upper

117 100

119 96.5 78.1 117.1

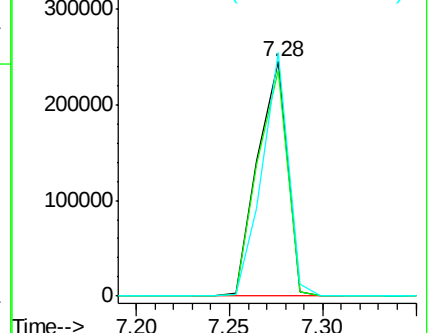
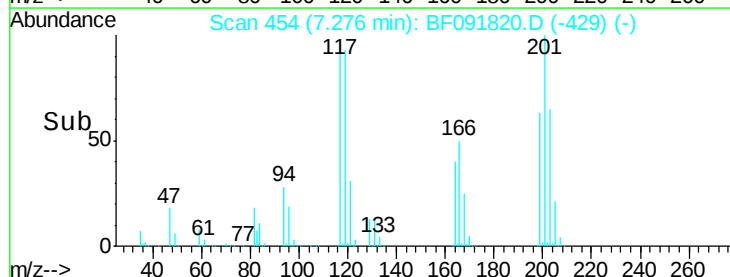
201 104.0 78.6 117.8

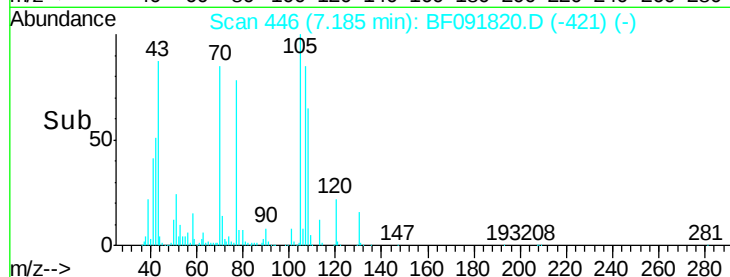
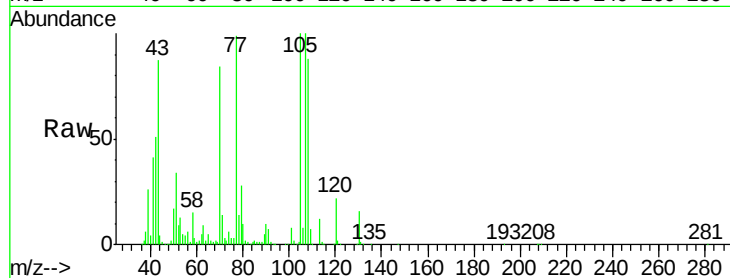
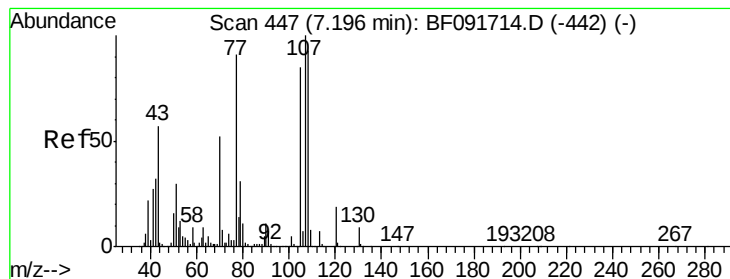


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 46.68 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

Tgt Ion: 70 Resp: 467717

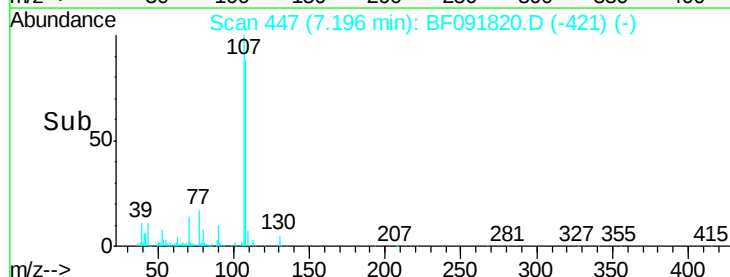
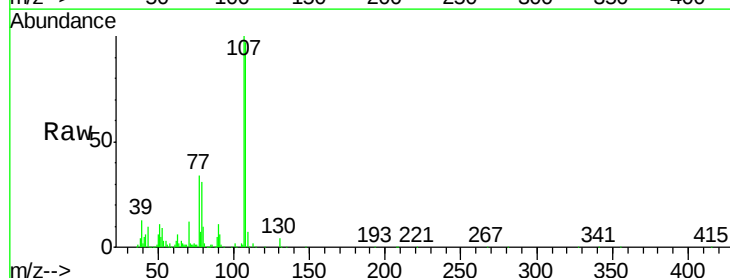
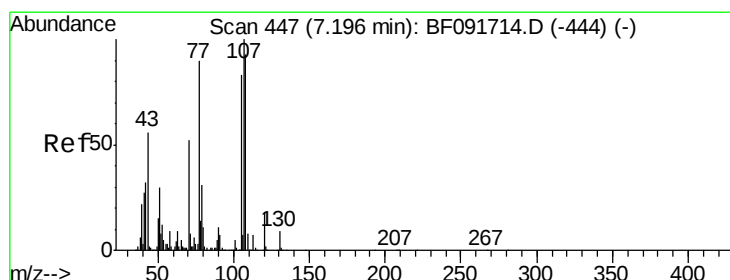
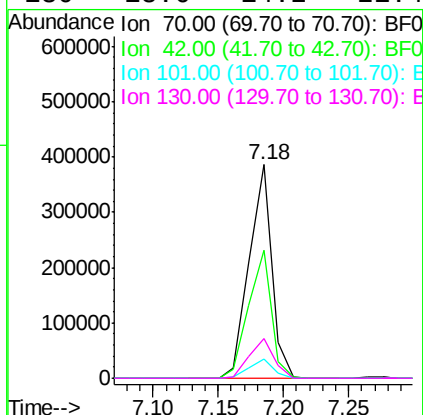
Ion Ratio Lower Upper

70 100

42 60.2 49.4 74.0

101 9.0 7.4 11.2

130 18.6 14.2 21.4



#20

3+4-Methylphenols

Concen: 56.98 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Tgt Ion: 107 Resp: 722027

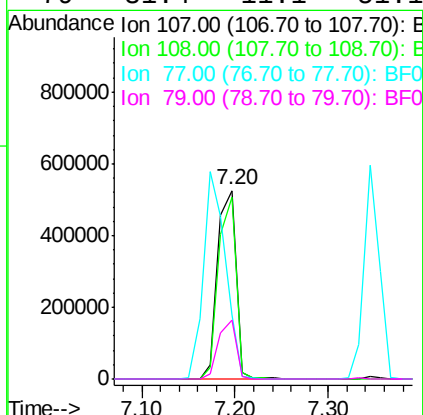
Ion Ratio Lower Upper

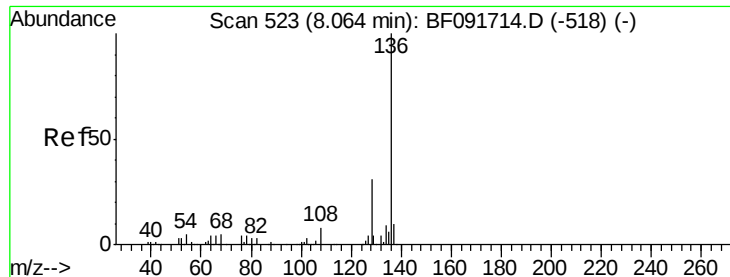
107 100

108 96.6 73.0 113.0

77 33.6 71.3 111.3#

79 31.4 11.1 51.1

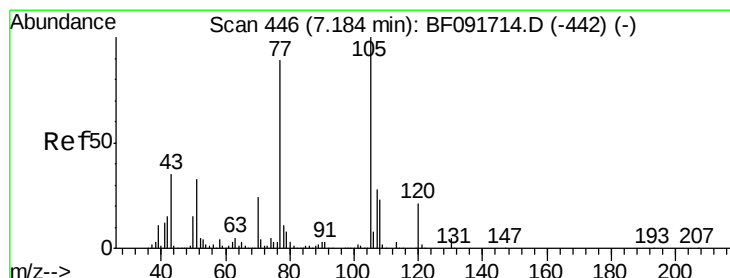
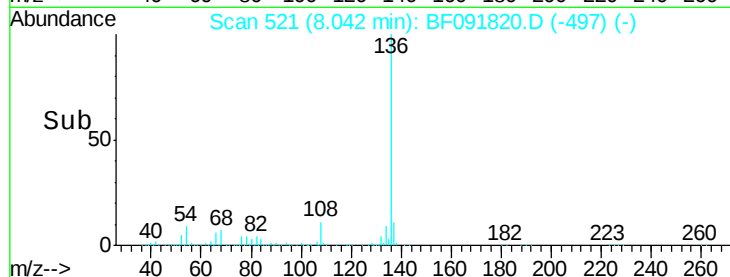
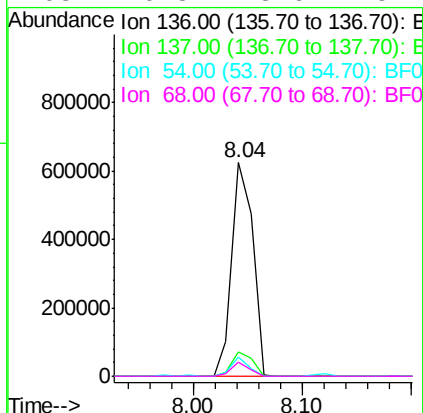
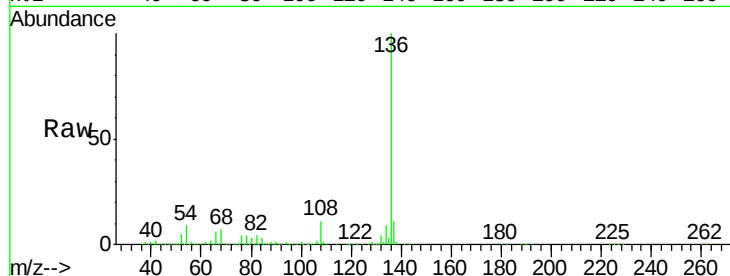




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

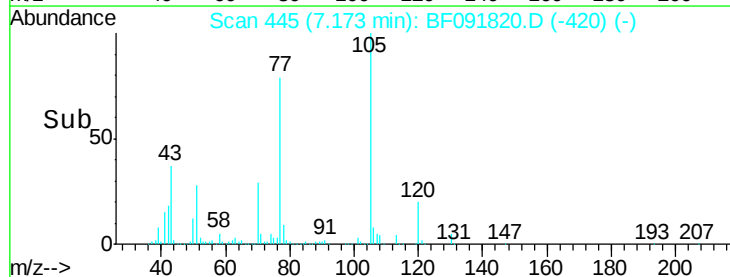
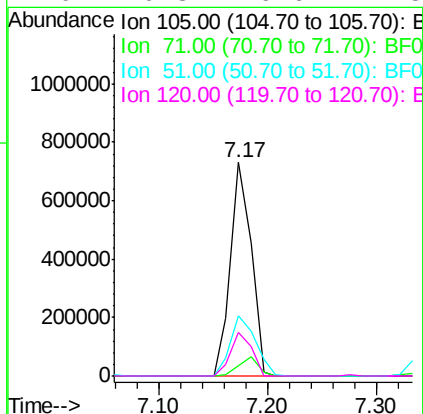
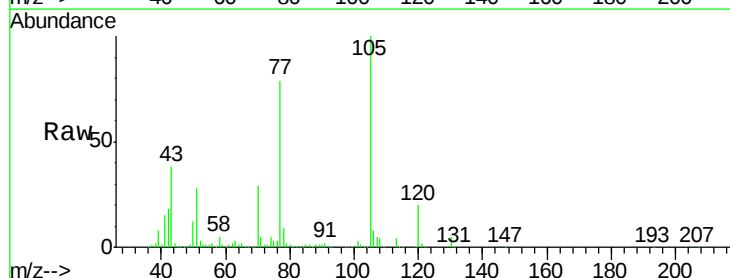
Instrument :
BNA_F
ClientSampleId :
SB-5-9-10MSD

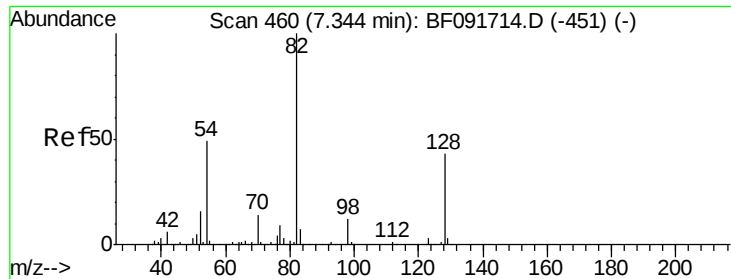
Tgt Ion:	136	Resp:	829024
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.9	4.5	6.7#
68	6.8	3.6	5.4#



#22
Acetophenone
Concen: 48.14 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

Tgt Ion:	105	Resp:	963633
Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.2	4.8
51	28.0	26.2	39.4
120	20.3	16.6	24.8

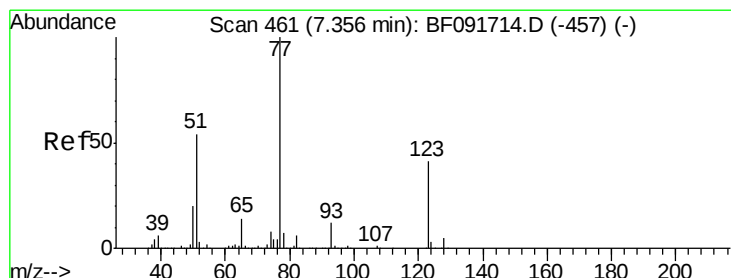
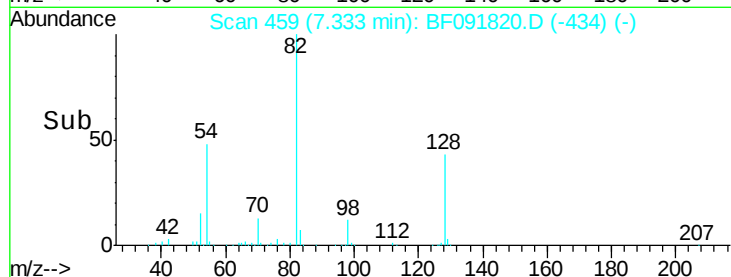
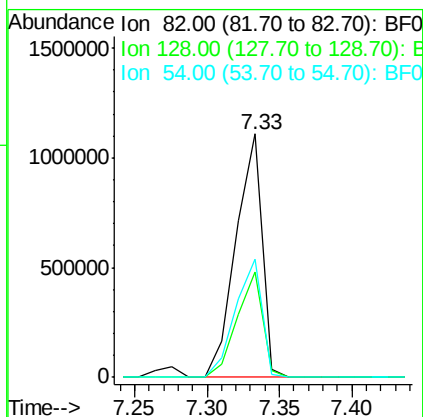
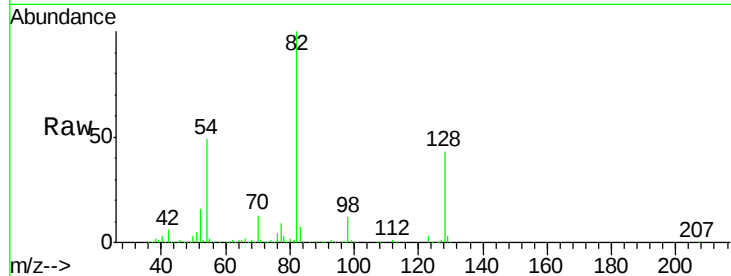




#23
 Nitrobenzene-d5
 Concen: 96.61 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

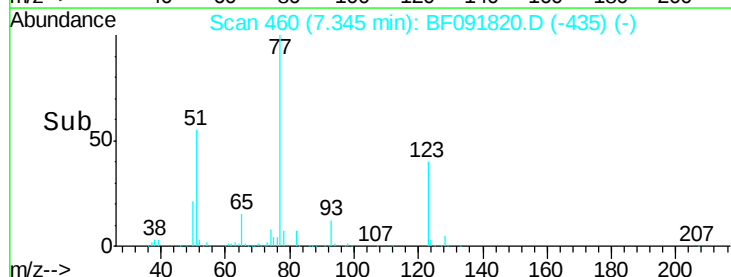
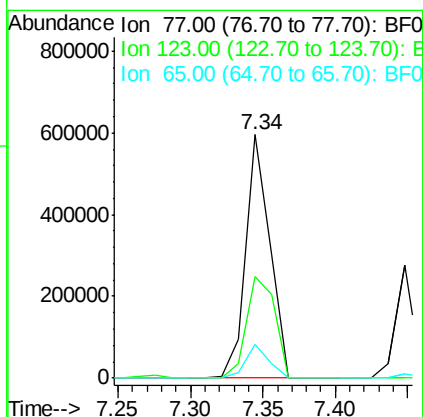
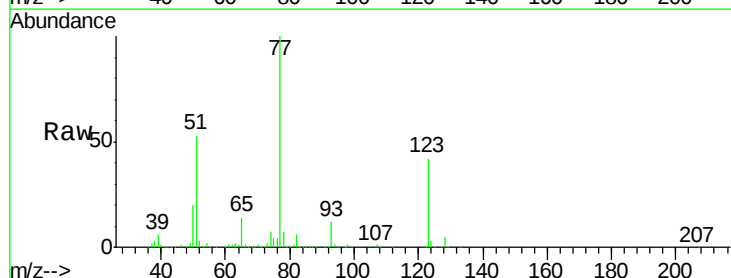
Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

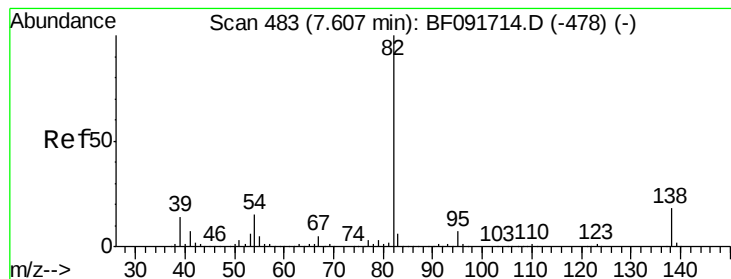
Tgt Ion: 82 Resp: 1388874
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.6 52.0
 54 48.7 39.5 59.3



#24
 Nitrobenzene
 Concen: 44.27 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion: 77 Resp: 683403
 Ion Ratio Lower Upper
 77 100
 123 41.7 33.0 49.4
 65 14.0 11.2 16.8





#25

Isophorone

Concen: 50.63 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

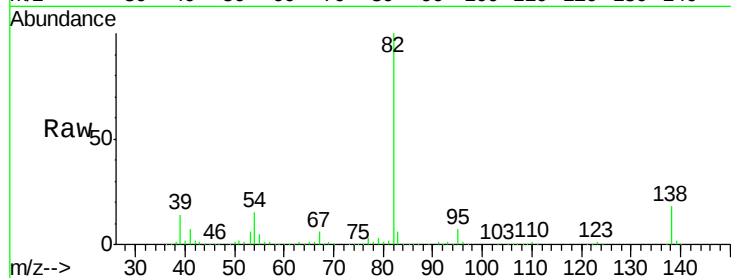
Tgt Ion: 82 Resp: 1388650

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

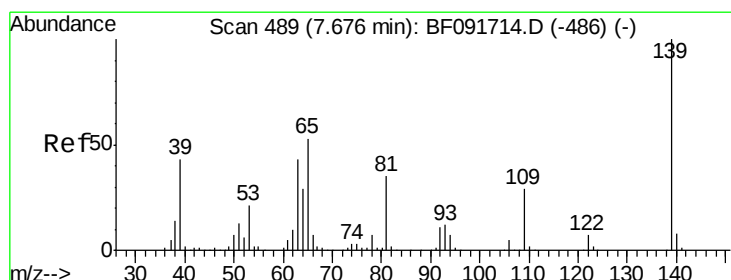
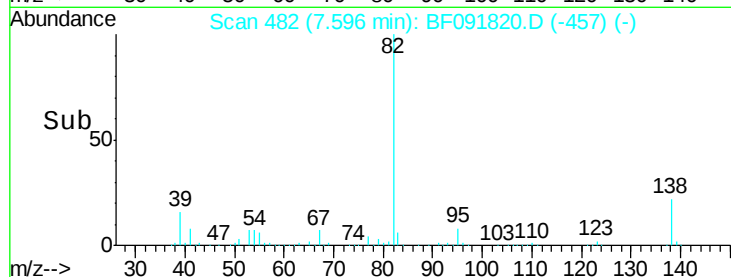
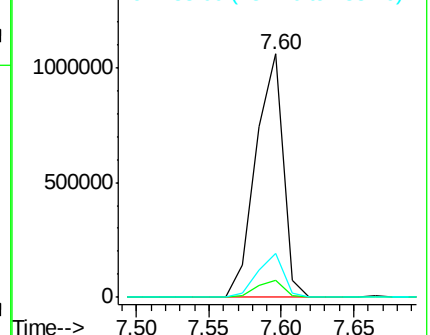
138 18.2 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 49.05 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

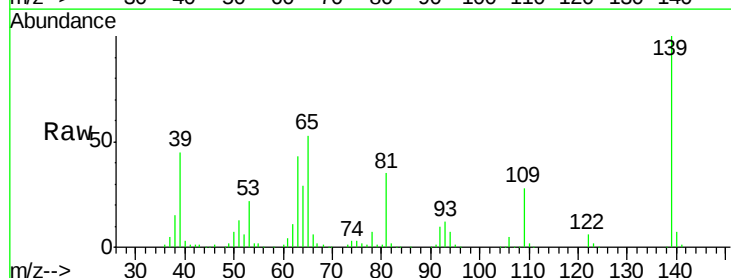
Tgt Ion: 139 Resp: 365315

Ion Ratio Lower Upper

139 100

109 28.3 23.3 34.9

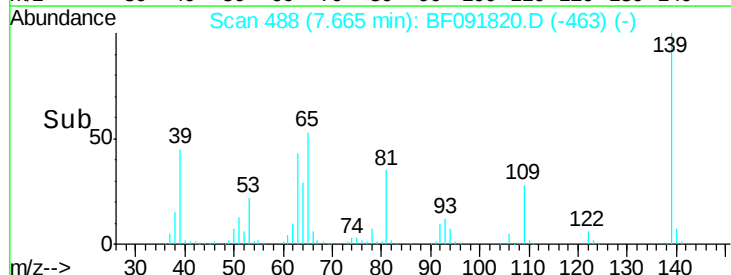
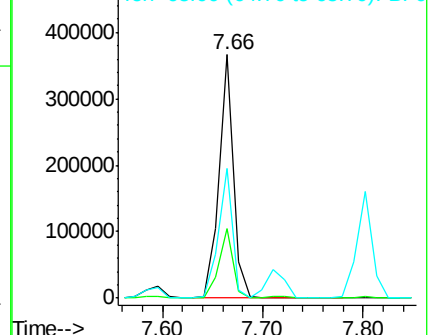
65 53.2 42.7 64.1

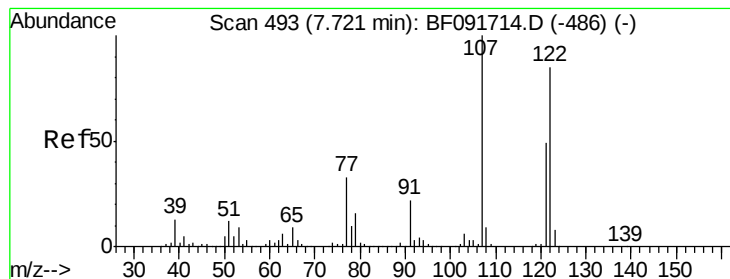


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 52.27 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

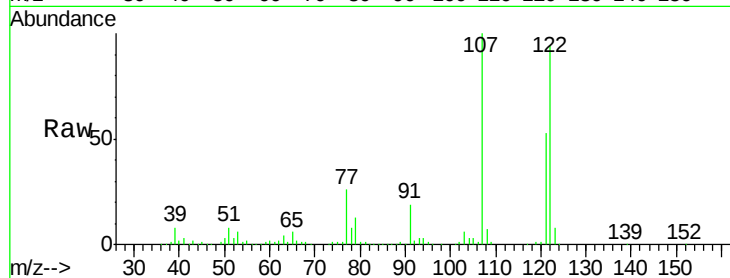
Tgt Ion:122 Resp: 635082

Ion Ratio Lower Upper

122 100

107 106.7 94.1 141.1

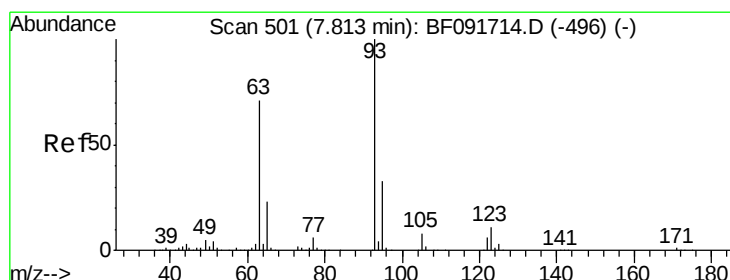
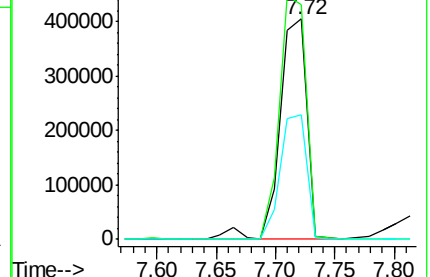
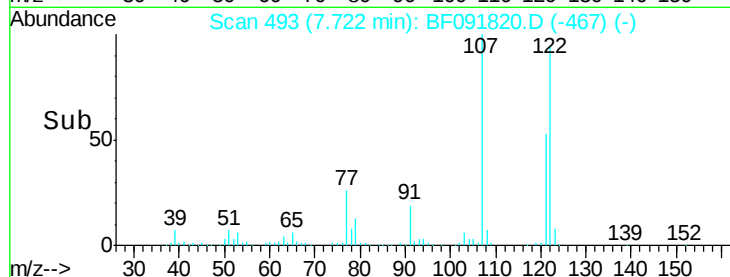
121 56.9 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 50.69 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

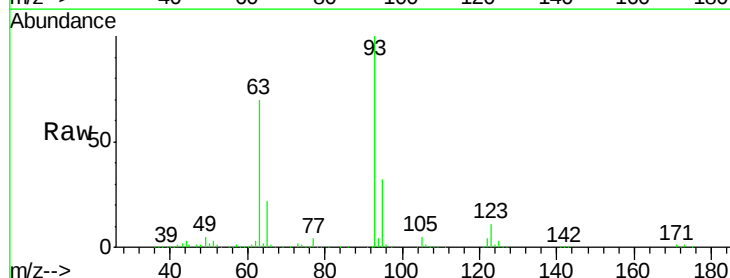
Tgt Ion: 93 Resp: 813439

Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

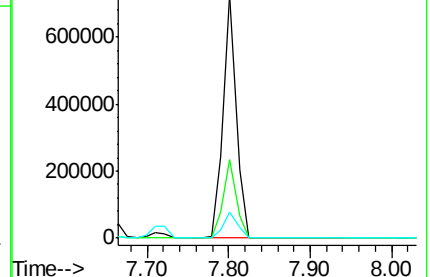
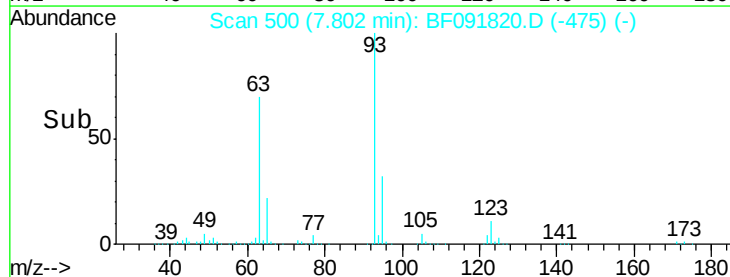
123 10.6 8.6 13.0

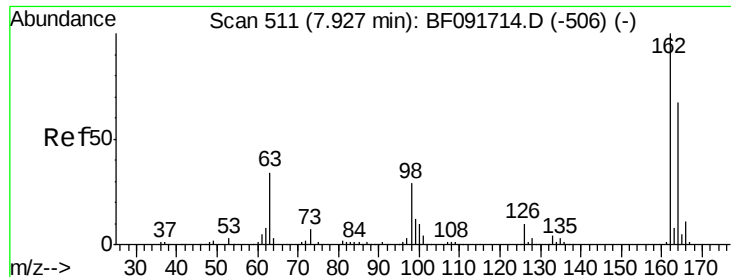


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

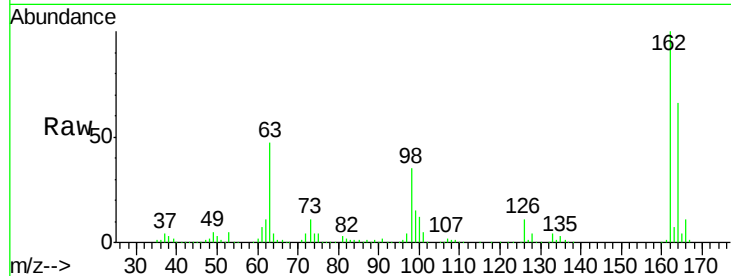




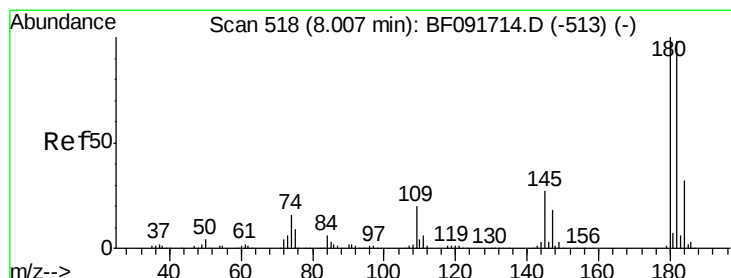
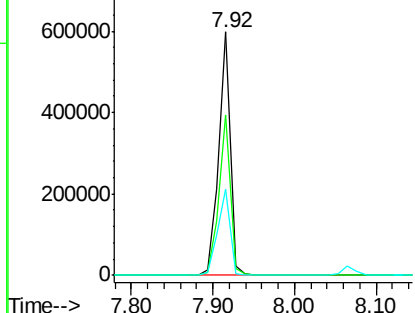
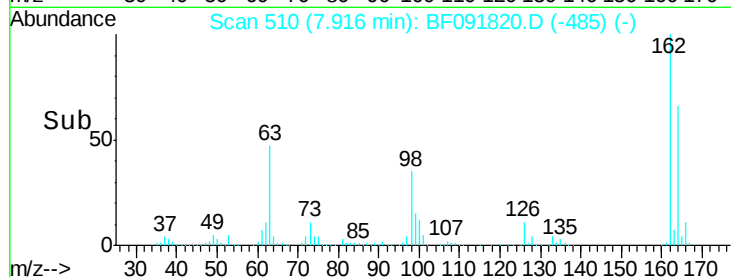
#29
 2,4-Dichlorophenol
 Concen: 52.64 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	589817		
164	65.7	46.8	86.8	
98	35.3	9.1	49.1	

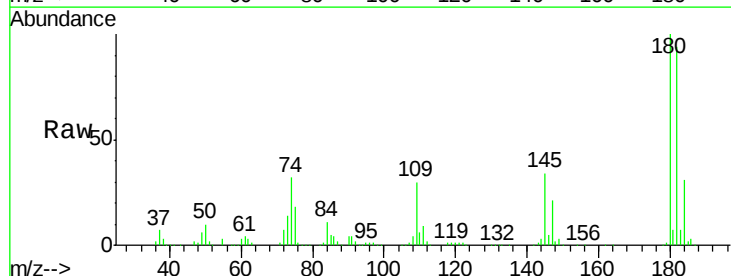


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

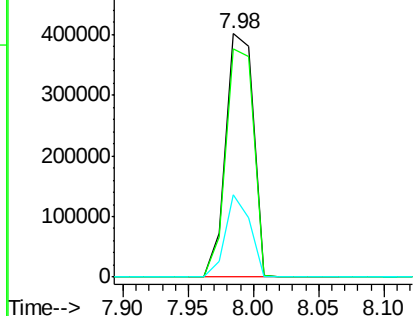
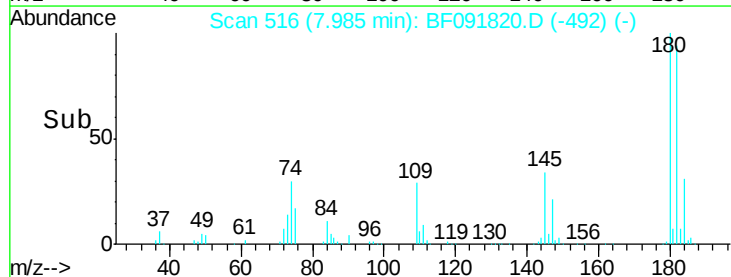


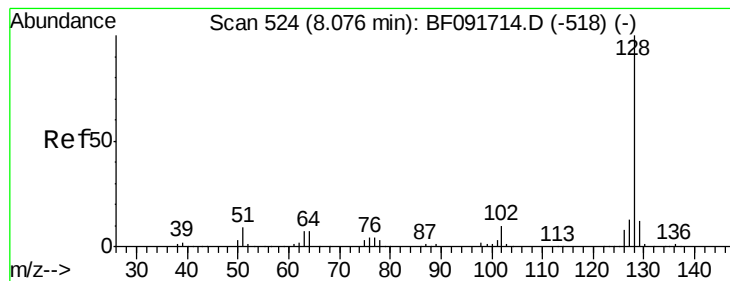
#30
 1,2,4-Trichlorobenzene
 Concen: 48.48 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	588715		
182	93.6	78.2	117.4	
145	33.9	21.6	32.4#	



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





#31

Naphthalene

Concen: 46.70 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

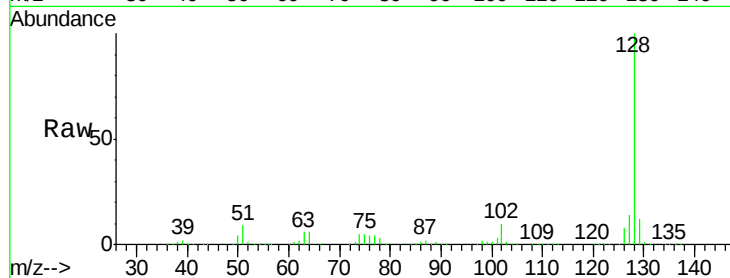
Tgt Ion:128 Resp: 1849534

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

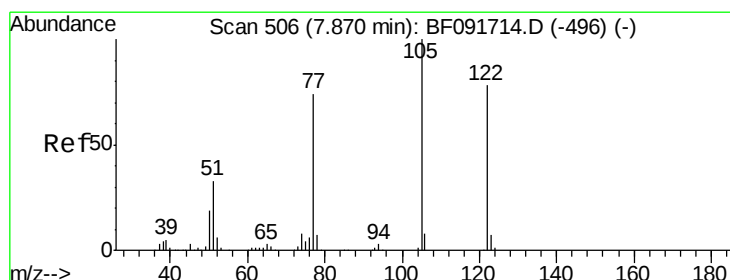
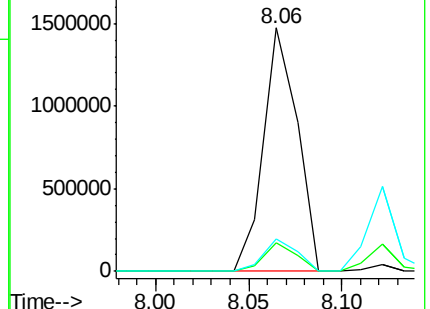
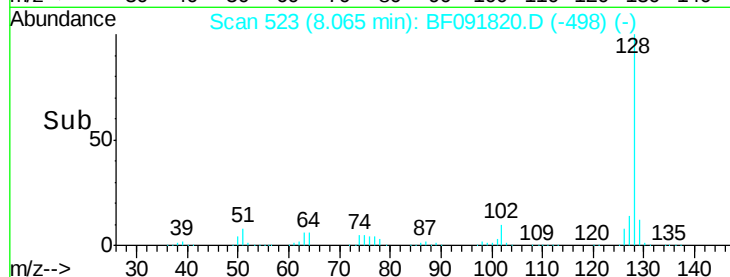
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.77 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.06 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

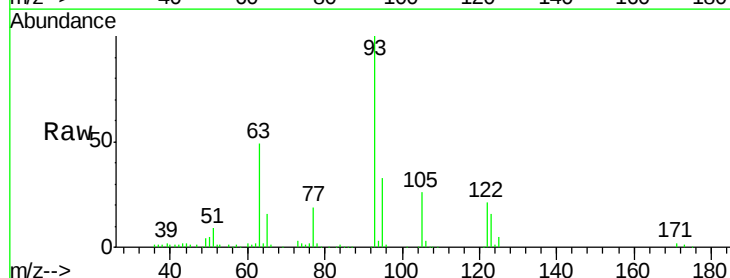
Tgt Ion:122 Resp: 75967

Ion Ratio Lower Upper

122 100

105 123.5 107.2 147.2

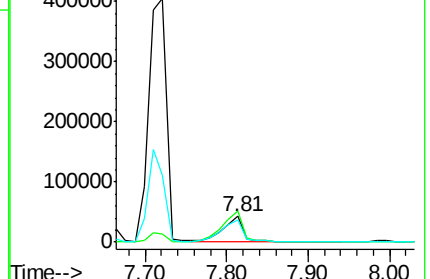
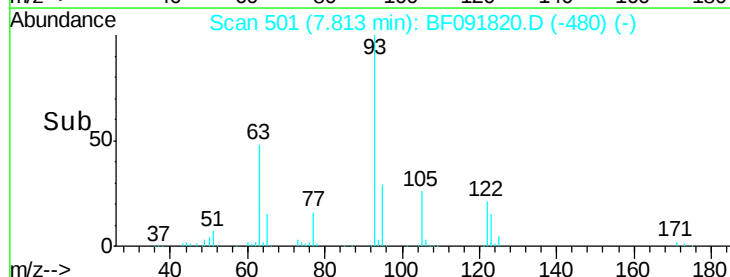
77 89.4 74.5 114.5

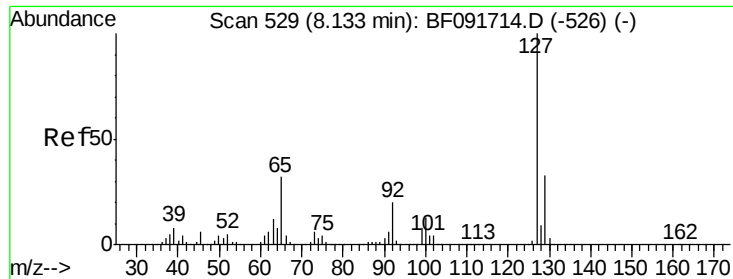


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

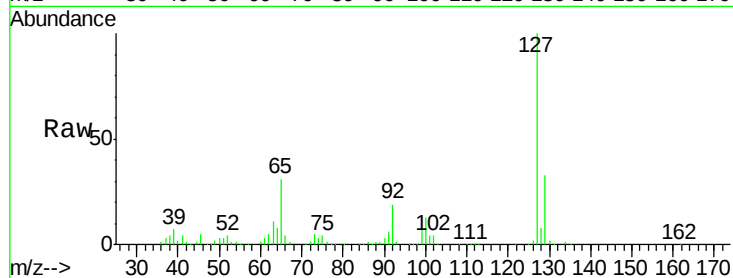




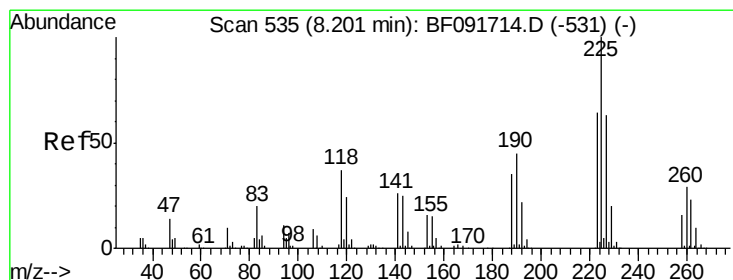
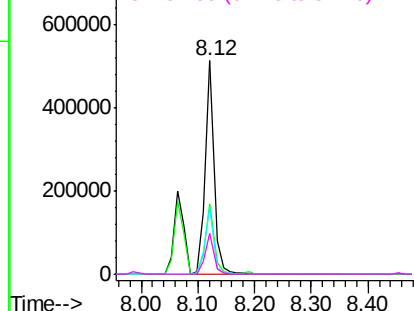
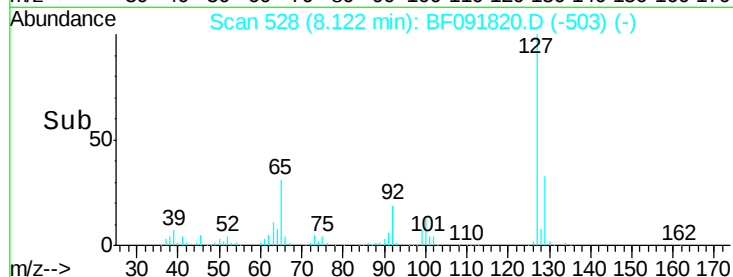
#33
4-Chloroaniline
Concen: 32.18 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

Instrument :
BNA_F
ClientSampleId :
SB-5-9-10MSD

Tgt Ion:	127	Resp:	536896
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.3	39.5
65	31.1	25.8	38.8
92	19.2	16.1	24.1

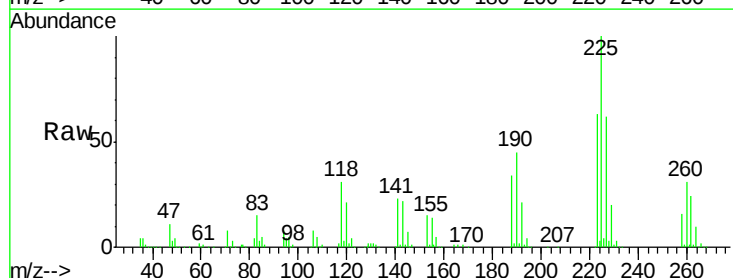


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

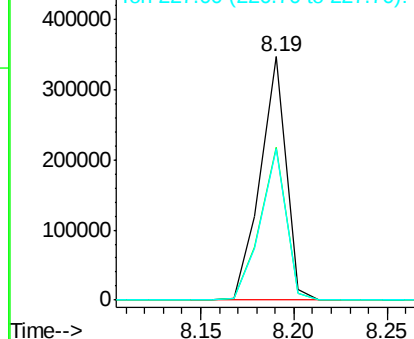
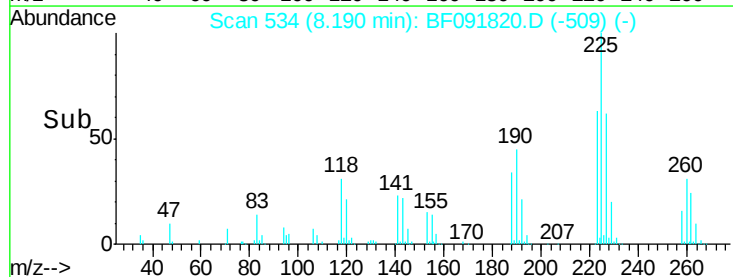


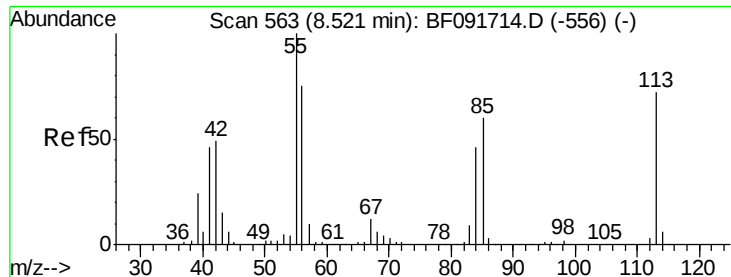
#34
Hexachlorobutadiene
Concen: 48.68 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF091820.D
Acq: 20 Dec 2016 15:17

Tgt Ion:	225	Resp:	332372
Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	62.1	50.6	76.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

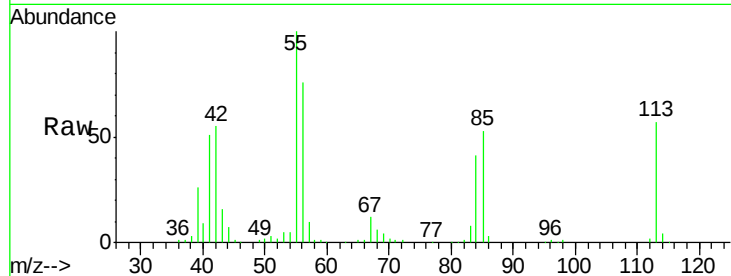




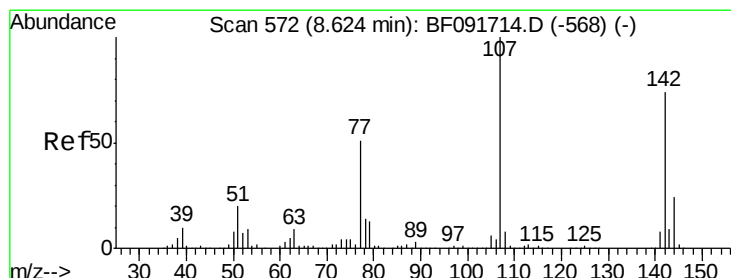
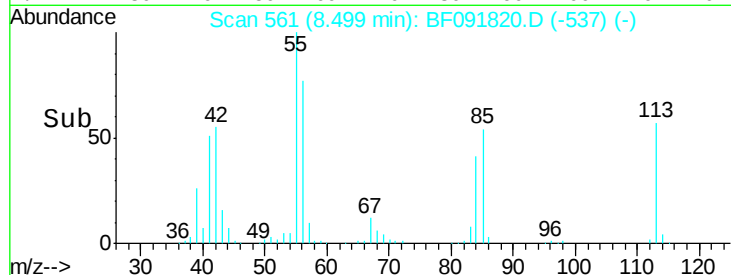
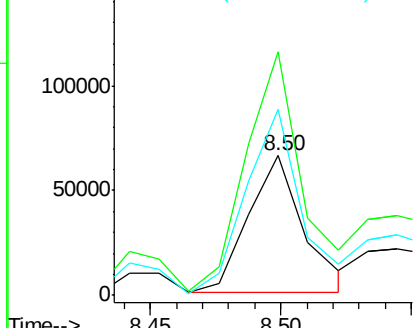
#35
 Caprolactam
 Concen: 27.00 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

Tgt Ion:113 Resp: 97326
 Ion Ratio Lower Upper
 113 100
 55 174.5 119.2 159.2#
 56 133.4 83.8 123.8#

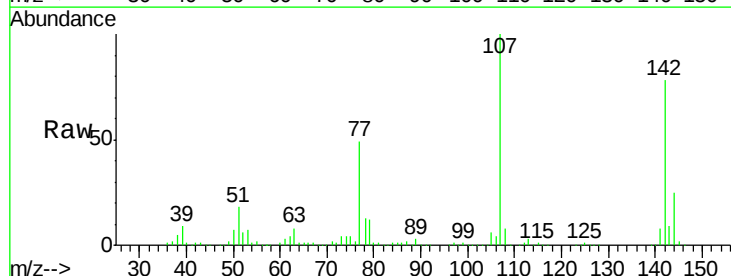


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

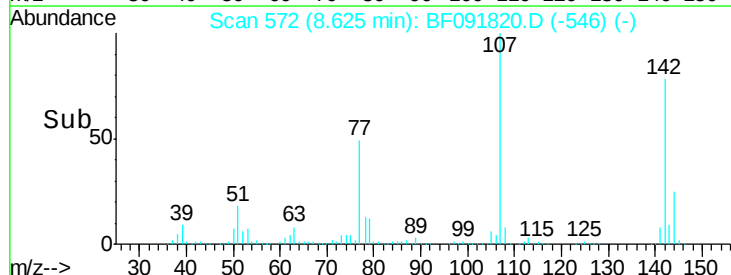
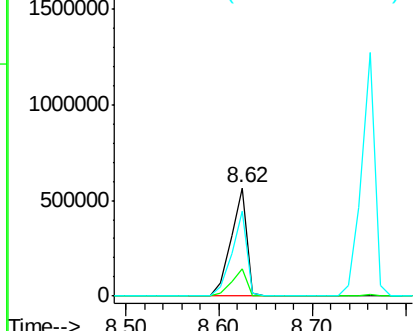


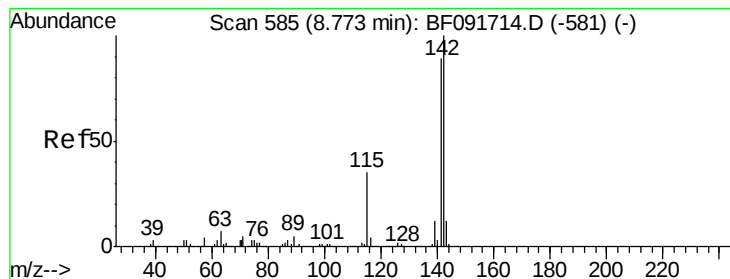
#36
 4-Chloro-3-methylphenol
 Concen: 53.80 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion:107 Resp: 664955
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.3 28.9
 142 78.2 59.0 88.6



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: 50.89 ng

RT: 8.76 min Scan# 584

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

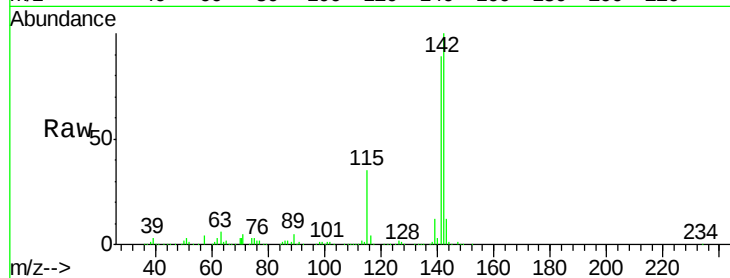
Tgt Ion:142 Resp: 1270765

Ion Ratio Lower Upper

142 100

141 88.8 71.0 106.6

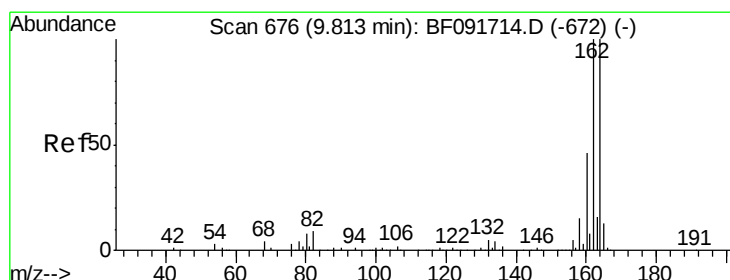
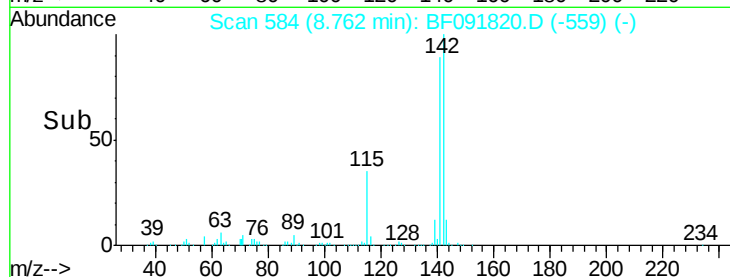
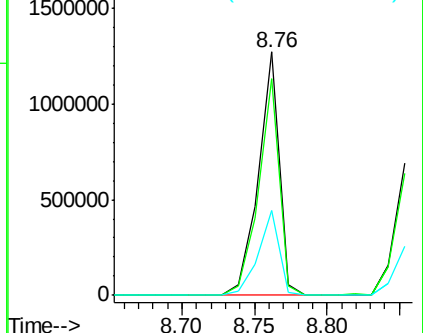
115 34.6 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

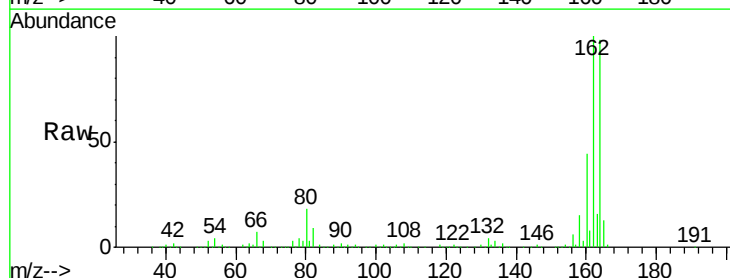
Tgt Ion:164 Resp: 438949

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

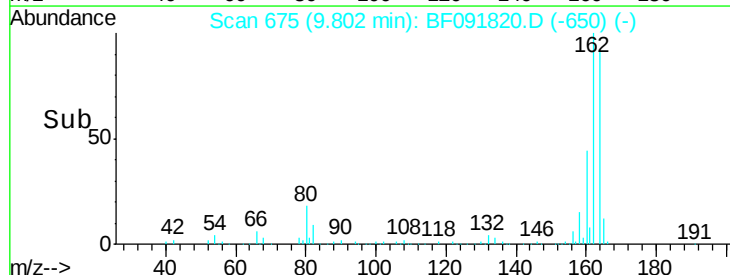
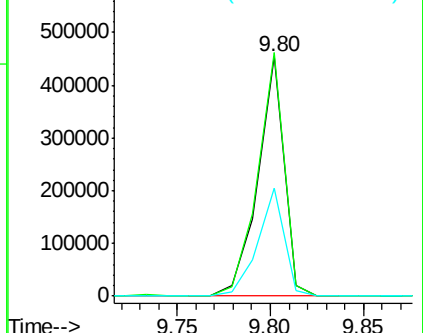
160 45.0 36.9 55.3

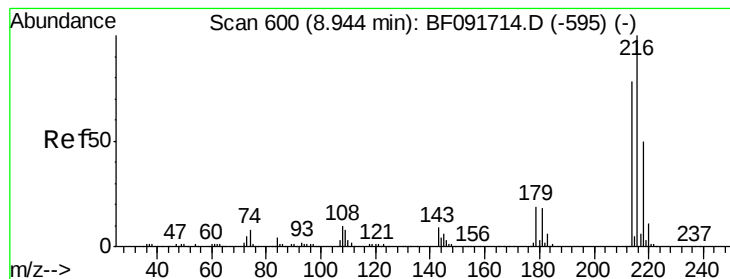


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.52 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SB-5-9-10MSD

Tgt Ion:216 Resp: 530905

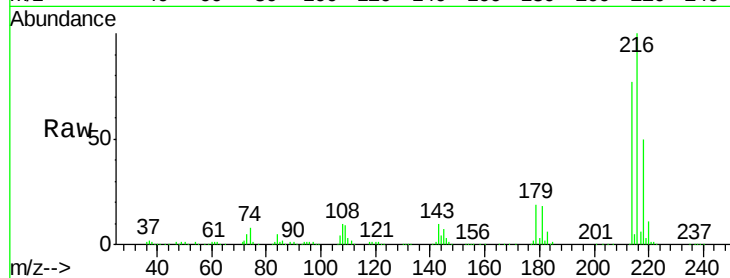
Ion Ratio Lower Upper

216 100

214 78.1 63.4 95.0

179 21.9 17.4 26.2

108 20.6 15.6 23.4

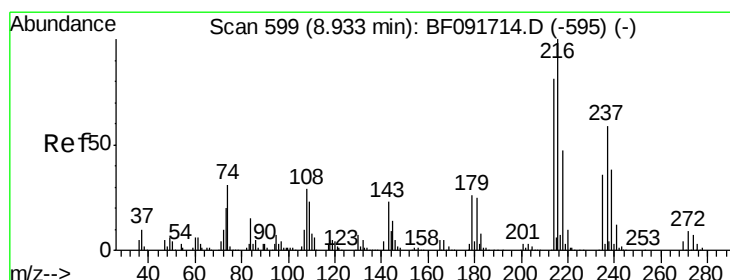
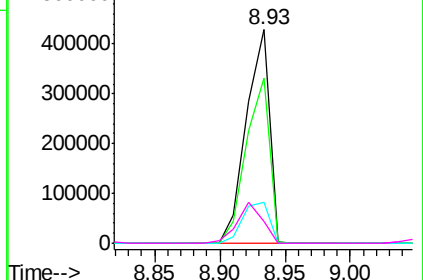
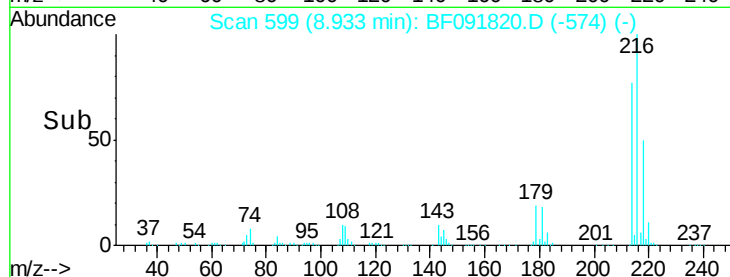


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 94.25 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.02 min

Lab File: BF091820.D

Acq: 20 Dec 2016 15:17

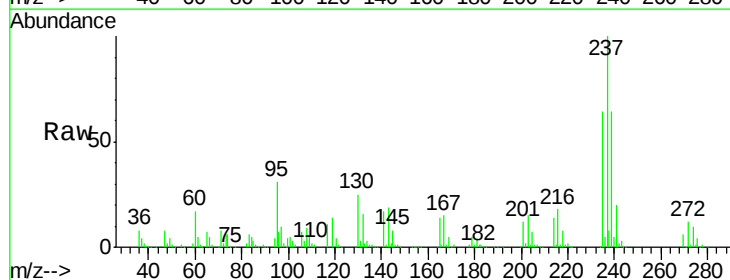
Tgt Ion:237 Resp: 437083

Ion Ratio Lower Upper

237 100

235 63.7 41.2 81.2

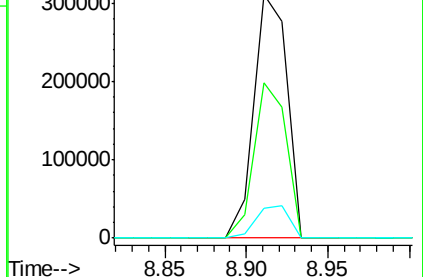
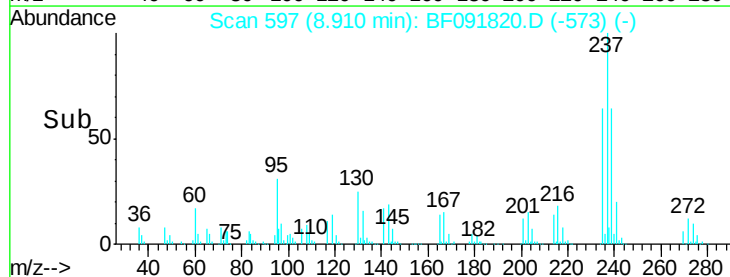
272 12.1 0.0 35.4

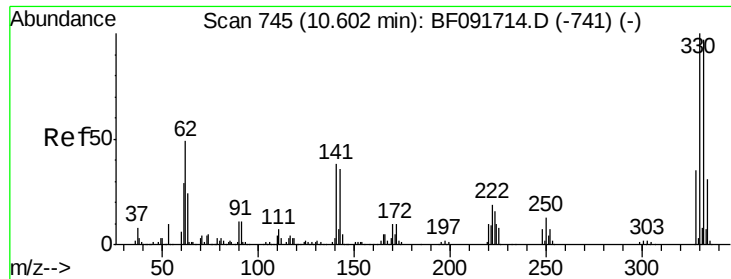


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

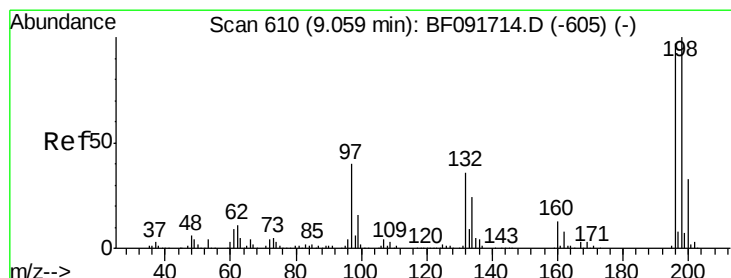
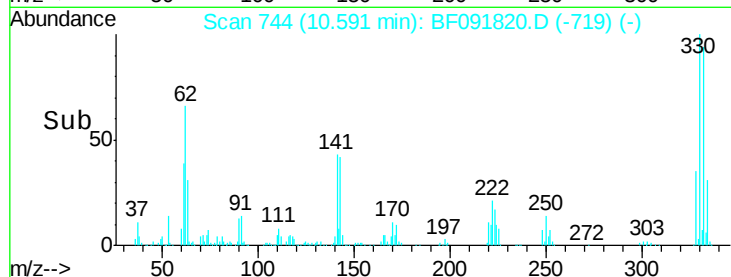
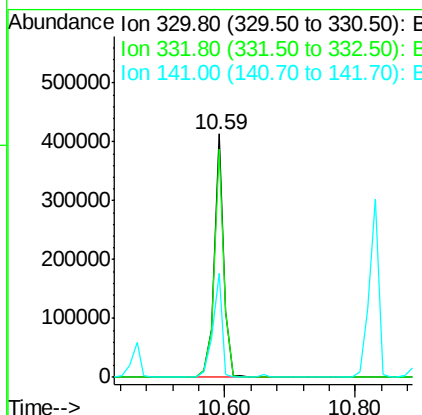
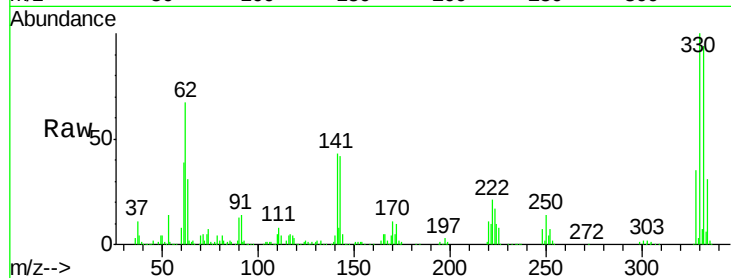




#41
 2,4,6-Tribromophenol
 Concen: 116.08 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

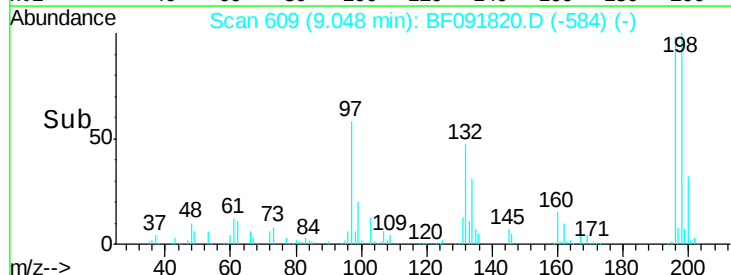
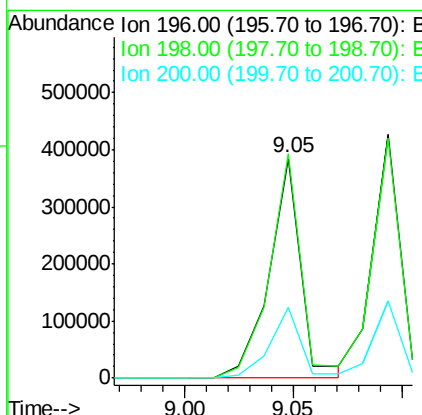
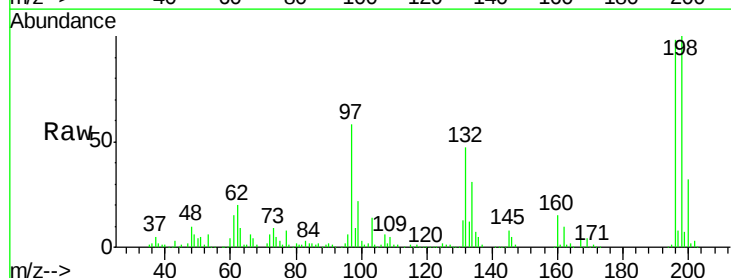
Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

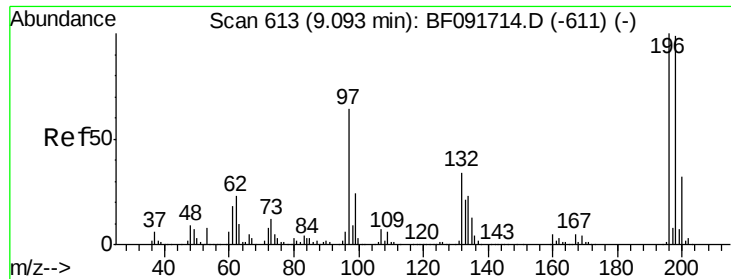
Tgt Ion:330 Resp: 432062
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.4 116.2
 141 41.2 34.1 51.1



#42
 2,4,6-Trichlorophenol
 Concen: 50.26 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion:196 Resp: 392925
 Ion Ratio Lower Upper
 196 100
 198 102.3 82.1 123.1
 200 32.4 27.0 40.4

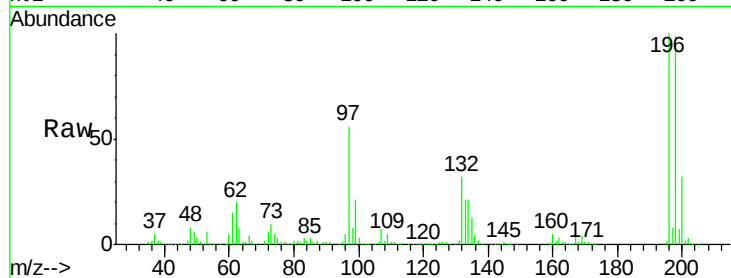




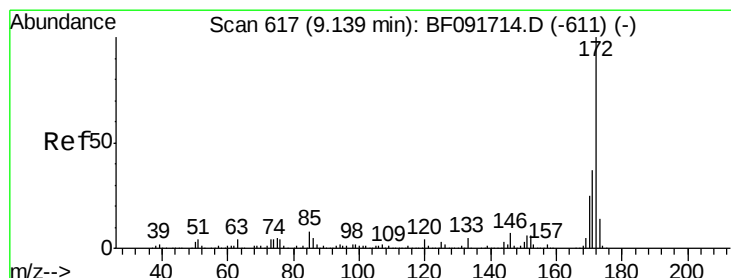
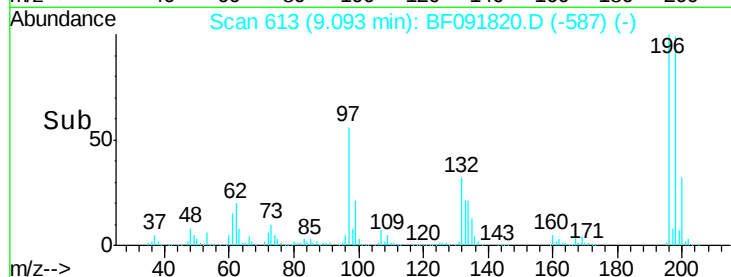
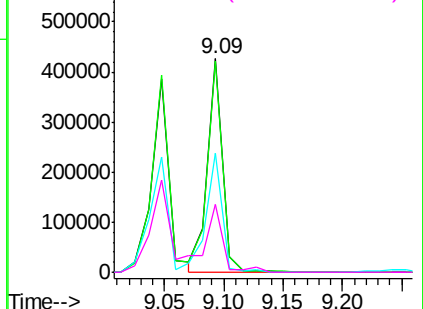
#43
 2,4,5-Trichlorophenol
 Concen: 49.08 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-9-10MSD

Tgt Ion:196 Resp: 376946
 Ion Ratio Lower Upper
 196 100
 198 98.7 79.4 119.2
 97 56.0 51.5 77.3
 132 31.9 27.4 41.2

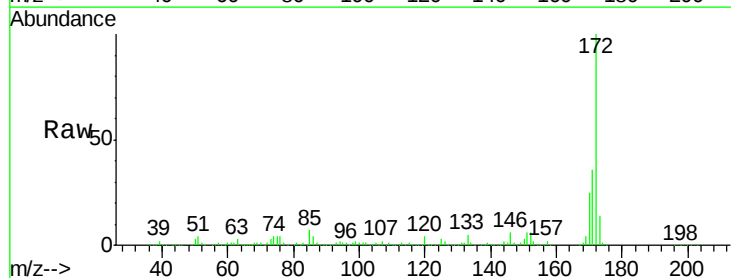


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.08 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF091820.D
 Acq: 20 Dec 2016 15:17

Tgt Ion:172 Resp: 1968179
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.5 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

