

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
 Data File : BF091478.D
 Acq On : 7 Dec 2016 19:19
 Operator : UM/SJ
 Sample : PB95097BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Quant Time: Dec 08 00:24:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152367	20.00	ng	-0.04
21) Naphthalene-d8	8.12	136	597971	20.00	ng	-0.05
38) Acenaphthene-d10	9.88	164	414727	20.00	ng	-0.04
63) Phenanthrene-d10	11.35	188	641154	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	514741	20.00	ng	-0.05
86) Perylene-d12	15.41	264	376849	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1060919	113.75	ng	-0.03
7) Phenol-d6	6.47	99	1379256	120.13	ng	-0.03
23) Nitrobenzene-d5	7.40	82	938902	87.99	ng	-0.05
41) 2,4,6-Tribromophenol	10.66	330	460549	117.30	ng	-0.04
44) 2-Fluorobiphenyl	9.20	172	1992503	86.99	ng	-0.04
78) Terphenyl-d14	12.94	244	1831837	77.35	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	128647	30.49	ng	# 83
3) Pyridine	3.21	79	355713	29.79	ng	# 84
4) n-Nitrosodimethylamine	3.17	42	248777	39.71	ng	95
6) Aniline	6.49	93	368776	24.18	ng	# 62
8) 2-Chlorophenol	6.62	128	404272	39.53	ng	83
9) Benzaldehyde	6.38	77	123268	16.70	ng	80
10) Phenol	6.49	94	471156	34.88	ng	93
11) bis(2-Chloroethyl)ether	6.57	93	409552	42.43	ng	98
12) 1,3-Dichlorobenzene	6.78	146	458902	40.34	ng	95
13) 1,4-Dichlorobenzene	6.85	146	442949	39.15	ng	96
14) 1,2-Dichlorobenzene	7.01	146	464725	44.09	ng	96
15) Benzyl Alcohol	6.98	79	415779	45.25	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	803618	38.72	ng	73
17) 2-Methylphenol	7.10	107	344479	42.62	ng	# 76
18) Hexachloroethane	7.35	117	167151	41.60	ng	100
19) n-Nitroso-di-n-propylamine	7.26	70	314660	43.50	ng	# 92
20) 3+4-Methylphenols	7.25	107	395192	40.05	ng	# 65
22) Acetophenone	7.25	105	570763	40.27	ng	# 82
24) Nitrobenzene	7.42	77	482791	44.19	ng	# 89
25) Isophorone	7.66	82	864068	45.71	ng	99
26) 2-Nitrophenol	7.74	139	225365	45.27	ng	# 79
27) 2,4-Dimethylphenol	7.77	122	377852	40.57	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	528533	46.45	ng	99
29) 2,4-Dichlorophenol	7.98	162	367601	44.87	ng	97
30) 1,2,4-Trichlorobenzene	8.06	180	380192	41.39	ng	99
31) Naphthalene	8.14	128	1110045	39.06	ng	99
32) Benzoic acid	7.91	122	292561	42.62	ng	95
33) 4-Chloroaniline	8.18	127	201874	16.62	ng	# 93
34) Hexachlorobutadiene	8.26	225	249129	44.11	ng	99
35) Caprolactam	8.57	113	85471	36.30	ng	# 88
36) 4-Chloro-3-methylphenol	8.68	107	381502	43.13	ng	99
37) 2-Methylnaphthalene	8.84	142	925703	47.94	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.00	216	370812	31.72	ng	98
40) Hexachlorocyclopentadiene	8.98	237	391062	72.16	ng	99

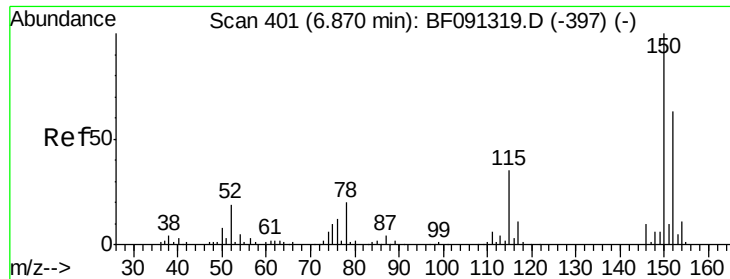
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
 Data File : BF091478.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	313254	41.23	ng	100
43) 2,4,5-Trichlorophenol	9.16	196	289675	38.04	ng	94
45) 1,1'-Biphenyl	9.29	154	1037272	34.78	ng	98
46) 2-Chloronaphthalene	9.32	162	760194	34.23	ng	98
47) 2-Nitroaniline	9.42	65	319841	40.10	ng	90
48) Acenaphthylene	9.74	152	1307852	37.41	ng	99
49) Dimethylphthalate	9.60	163	888703	35.39	ng	97
50) 2,6-Dinitrotoluene	9.66	165	207040	36.89	ng	97
51) Acenaphthene	9.91	154	1051022	44.57	ng	96
52) 3-Nitroaniline	9.83	138	128525	19.78	ng	83
53) 2,4-Dinitrophenol	9.93	184	235336	95.88	ng	# 79
54) Dibenzofuran	10.08	168	1285539	40.72	ng	95
55) 4-Nitrophenol	9.99	139	343965	73.30	ng	94
56) 2,4-Dinitrotoluene	10.06	165	305511	41.96	ng	# 54
57) Fluorene	10.42	166	990558	40.86	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.20	232	265135	40.78	ng	98
59) Diethylphthalate	10.30	149	934516	37.70	ng	97
60) 4-Chlorophenyl-phenylether	10.41	204	424571	34.92	ng	# 88
61) 4-Nitroaniline	10.45	138	224321	36.77	ng	95
62) Azobenzene	10.57	77	998598	39.48	ng	90
64) 4,6-Dinitro-2-methylphenol	10.47	198	175628	49.72	ng	# 65
65) n-Nitrosodiphenylamine	10.54	169	875626	45.04	ng	99
66) 4-Bromophenyl-phenylether	10.90	248	316785	45.97	ng	# 83
67) Hexachlorobenzene	10.97	284	318111	42.72	ng	# 87
68) Atrazine	11.06	200	270836	43.02	ng	98
69) Pentachlorophenol	11.16	266	353586	80.65	ng	97
70) Phenanthrene	11.38	178	1394617	41.86	ng	99
71) Anthracene	11.43	178	1341974	40.59	ng	99
72) Carbazole	11.58	167	1141204	38.04	ng	98
73) Di-n-butylphthalate	11.92	149	1609606	47.34	ng	100
74) Fluoranthene	12.56	202	1420640	45.02	ng	100
76) Benzidine	12.68	184	260322	17.23	ng	97
77) Pyrene	12.79	202	1442725	36.93	ng	99
79) Butylbenzylphthalate	13.42	149	636518	43.51	ng	# 75
80) Benzo(a)anthracene	13.98	228	1227044	40.76	ng	98
81) 3,3'-Dichlorobenzidine	13.95	252	270340	25.49	ng	# 98
82) Chrysene	14.01	228	1119802	37.60	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	943433	50.88	ng	# 93
84) Di-n-octyl phthalate	14.59	149	1334814	47.58	ng	97
85) Indeno(1,2,3-cd)pyrene	16.79	276	1000343	36.67	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	1952442	83.35	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	1953152	99.16	ng	# 94
89) Benzo(a)pyrene	15.35	252	926777	44.06	ng	# 92
90) Dibenzo(a,h)anthracene	16.80	278	847618	43.57	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	789621	39.36	ng	98

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

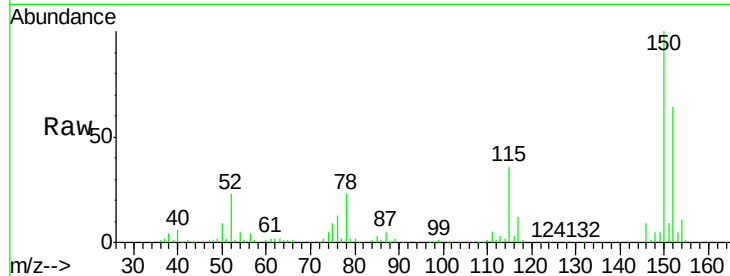


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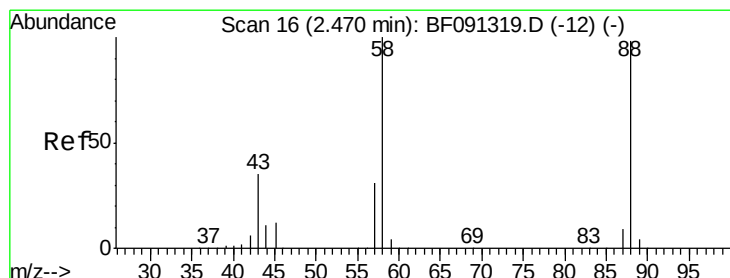
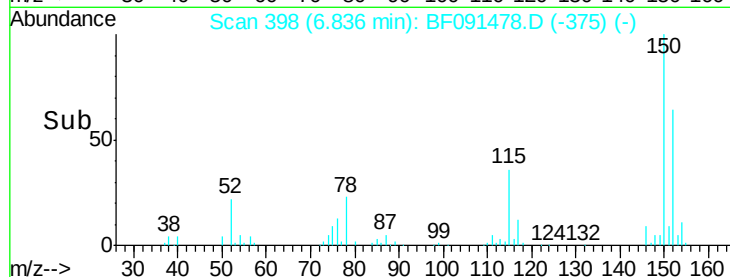
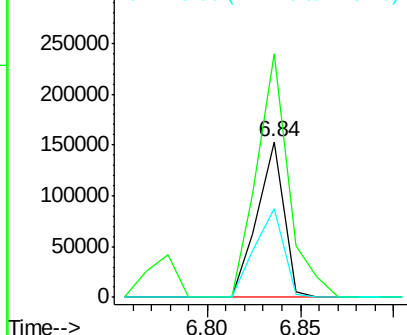
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Instrument :
BNA_F
ClientSampleId :
PB95097BS

Tgt Ion:152 Resp: 152367
Ion Ratio Lower Upper
152 100
150 156.4 122.5 183.7
115 56.7 51.8 77.8



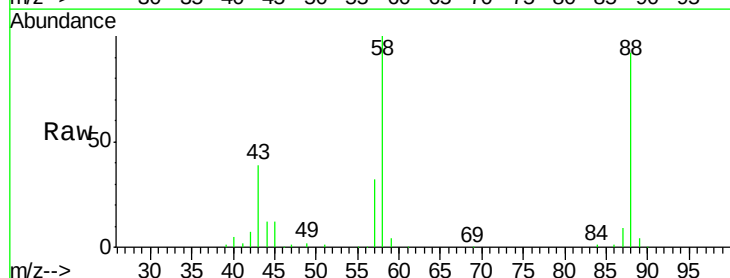
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



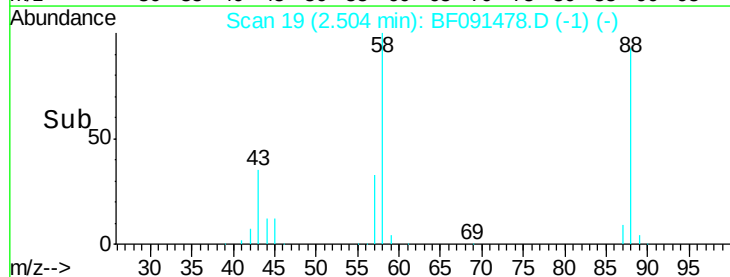
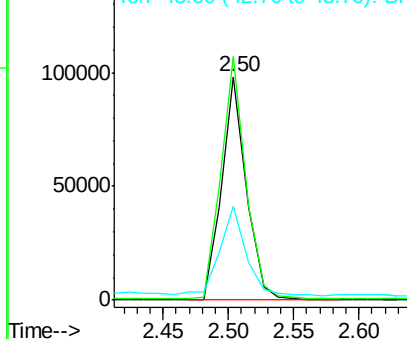
#2

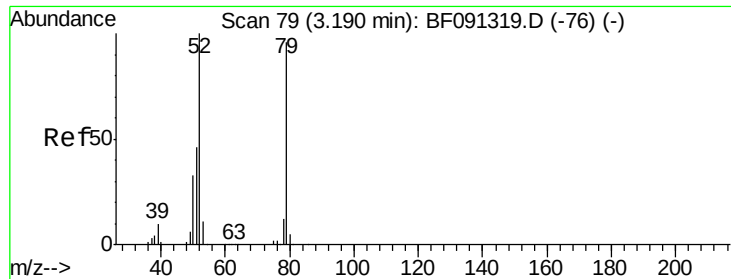
1,4-Dioxane
Concen: 30.49 ng
RT: 2.50 min Scan# 19
Delta R.T. 0.01 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion: 88 Resp: 128647
Ion Ratio Lower Upper
88 100
58 109.4 70.3 105.5#
43 42.0 31.3 46.9



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: 29.79 ng

RT: 3.21 min Scan# 81

Delta R.T. -0.01 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

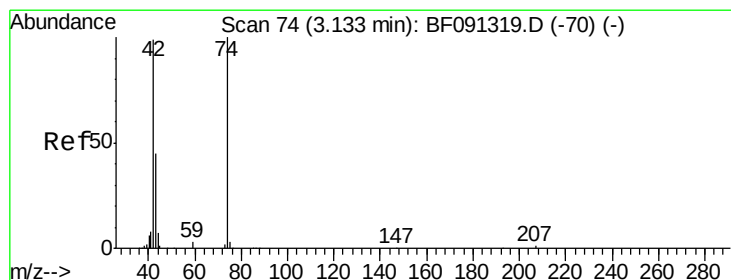
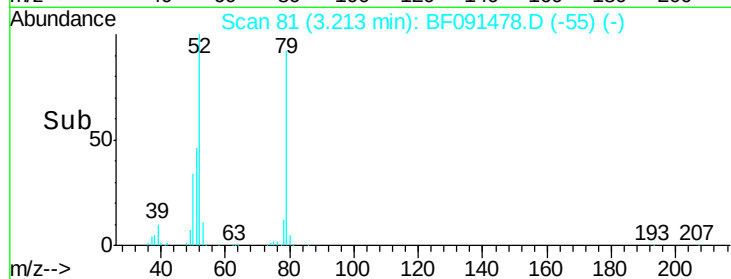
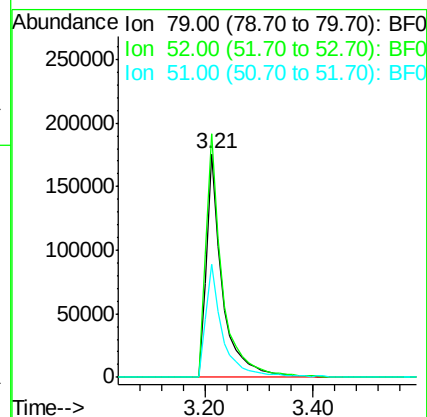
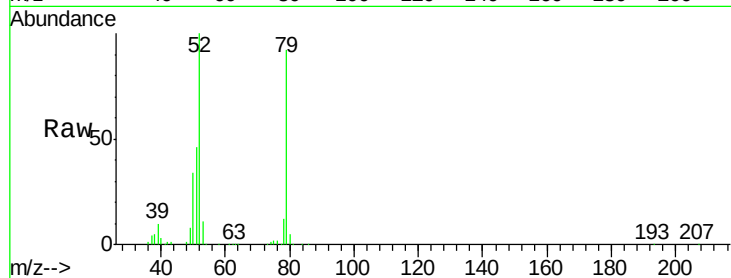
Tgt Ion: 79 Resp: 355713

Ion Ratio Lower Upper

79 100

52 108.9 71.0 106.4#

51 50.4 37.0 55.4



#4

n-Nitrosodimethylamine

Concen: 39.71 ng

RT: 3.17 min Scan# 77

Delta R.T. -0.01 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

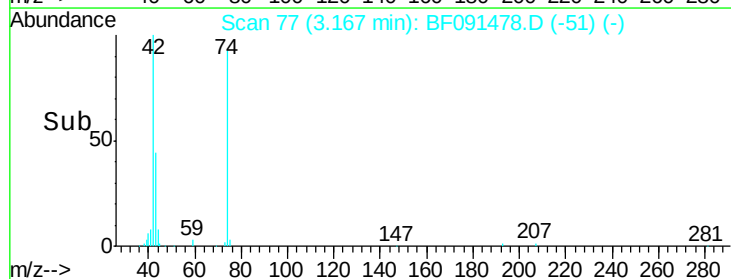
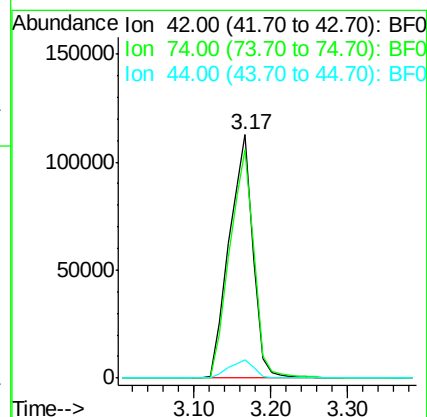
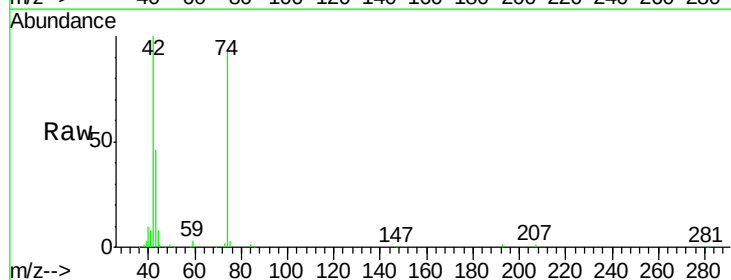
Tgt Ion: 42 Resp: 248777

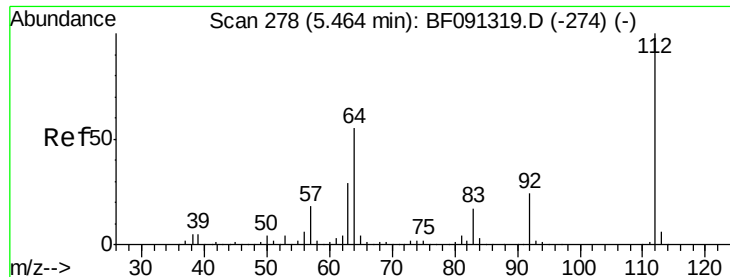
Ion Ratio Lower Upper

42 100

74 93.5 78.9 118.3

44 7.5 5.8 8.6





#5

2-Fluorophenol

Concen: 113.75 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

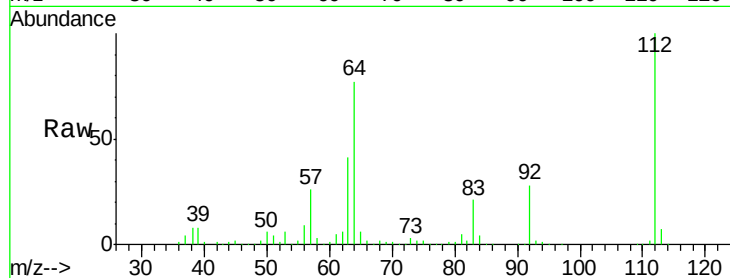
Tgt Ion: 112 Resp: 1060919

Ion Ratio Lower Upper

112 100

64 76.6 61.5 92.3

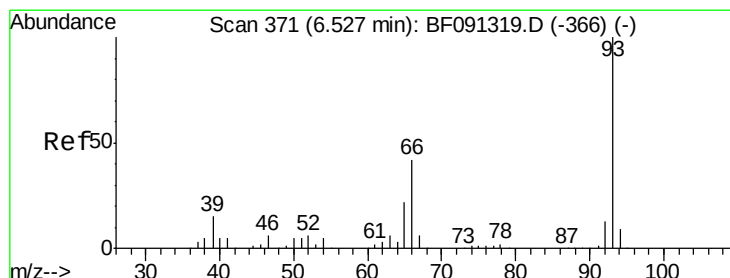
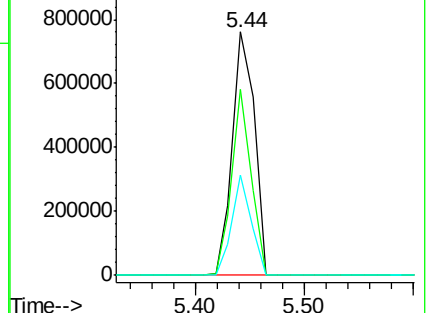
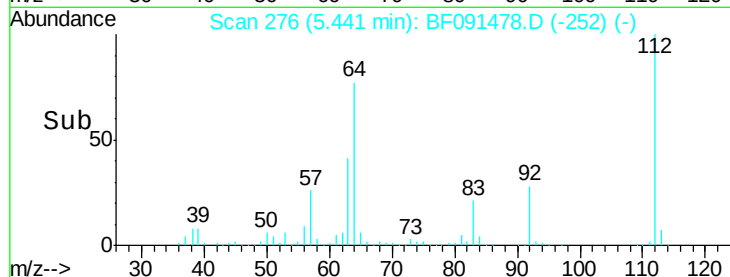
63 41.1 33.3 49.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.18 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

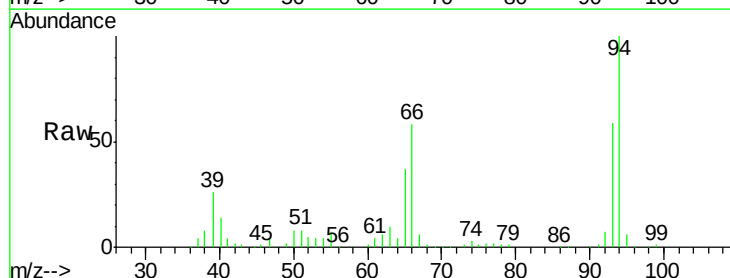
Tgt Ion: 93 Resp: 368776

Ion Ratio Lower Upper

93 100

66 98.3 55.8 83.6#

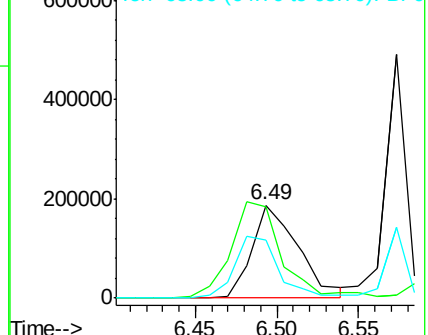
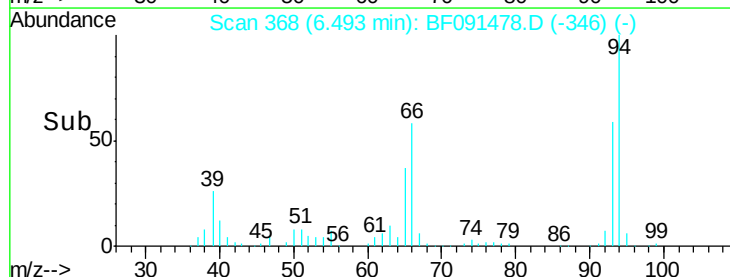
65 62.9 29.9 44.9#

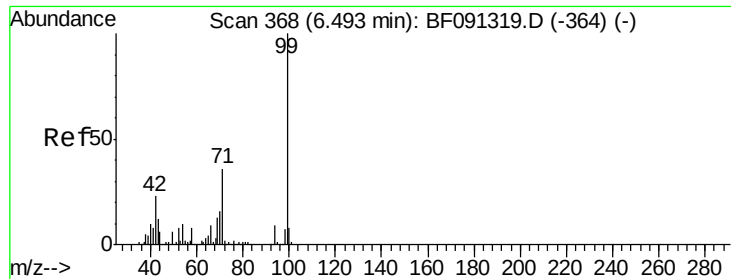


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.13 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.03 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

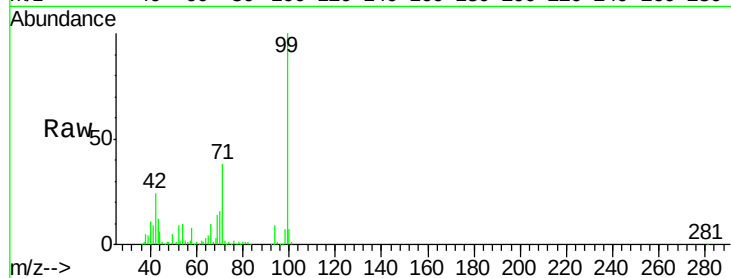
Tgt Ion: 99 Resp: 1379256

Ion Ratio Lower Upper

99 100

42 24.3 20.6 31.0

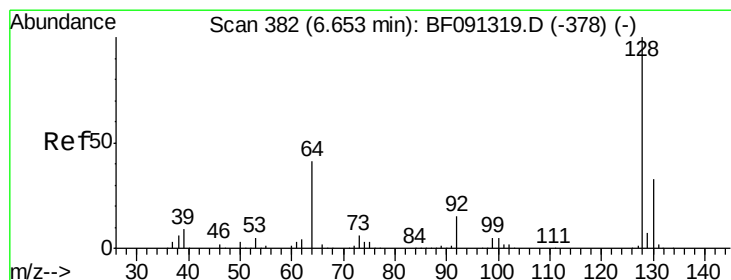
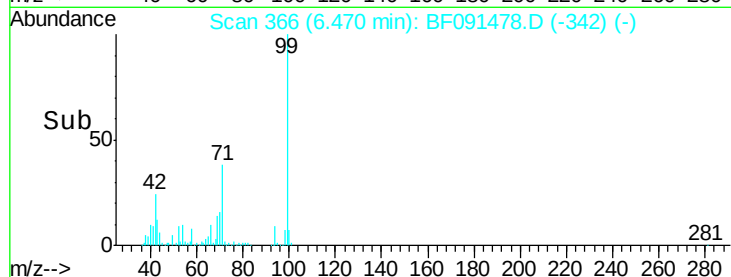
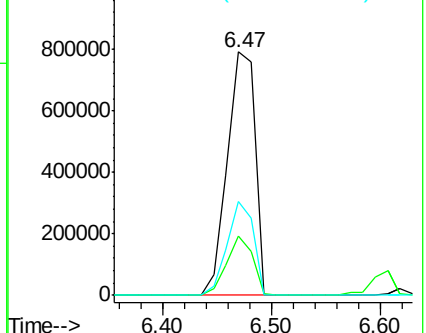
71 38.4 29.9 44.9



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: 39.53 ng

RT: 6.62 min Scan# 379

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

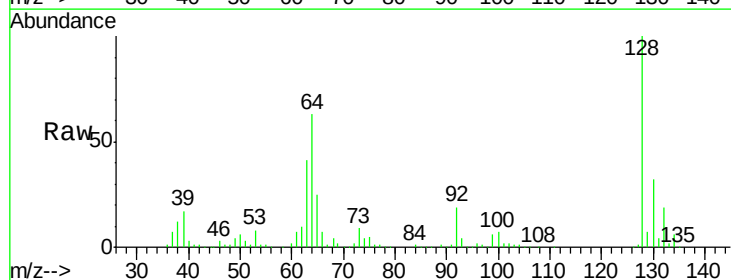
Tgt Ion: 128 Resp: 404272

Ion Ratio Lower Upper

128 100

130 32.2 13.1 53.1

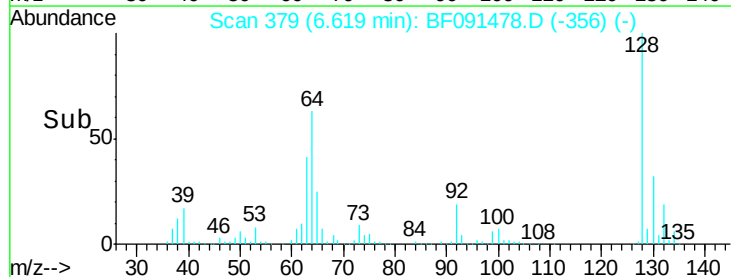
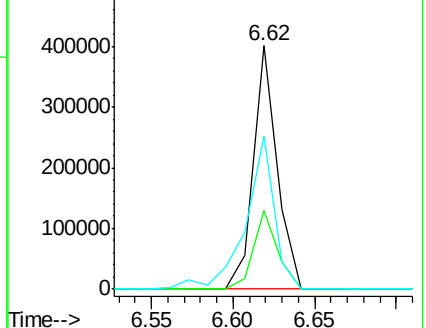
64 62.9 24.1 64.1

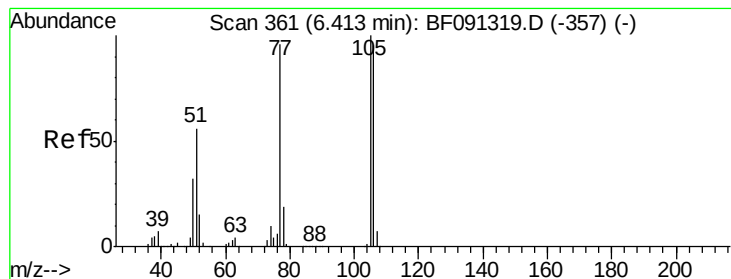


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.70 ng

RT: 6.38 min Scan# 358

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

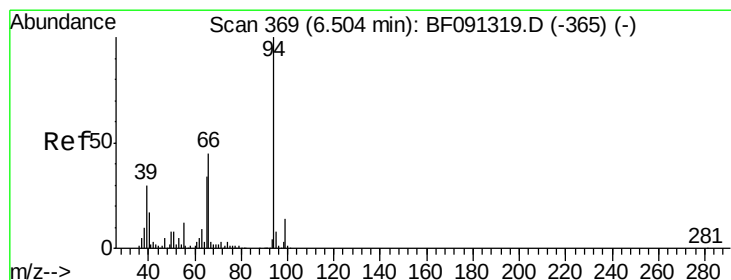
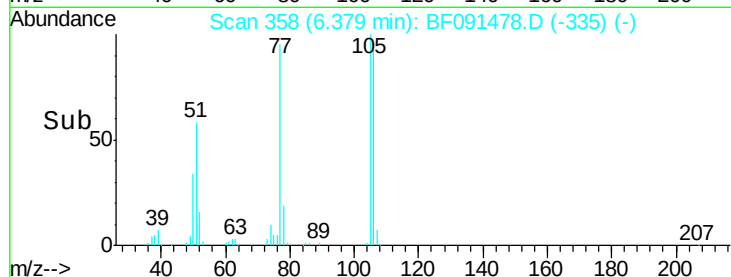
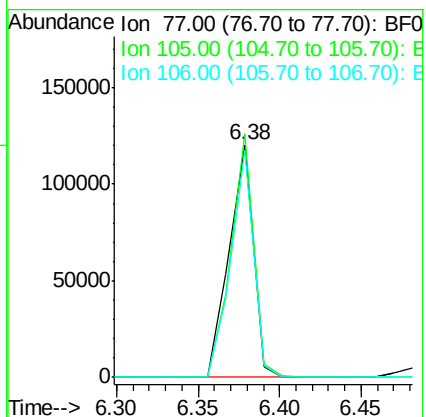
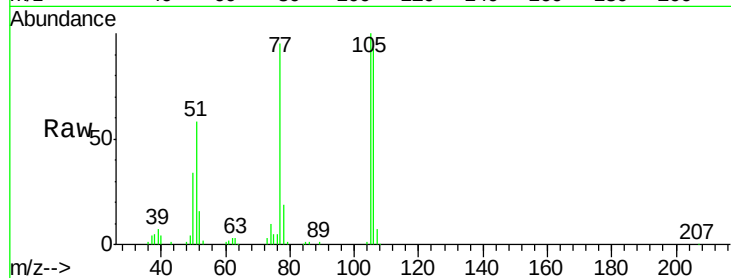
Tgt Ion: 77 Resp: 123268

Ion Ratio Lower Upper

77 100

105 104.8 66.4 106.4

106 97.9 60.9 100.9



#10

Phenol

Concen: 34.88 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

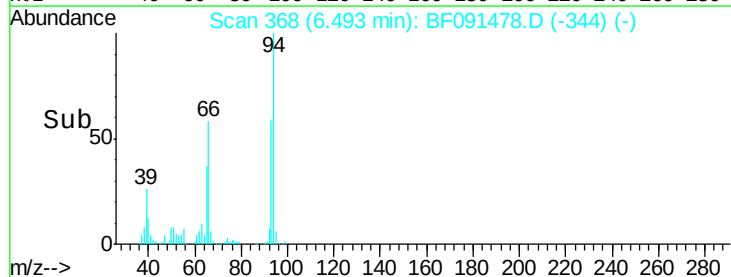
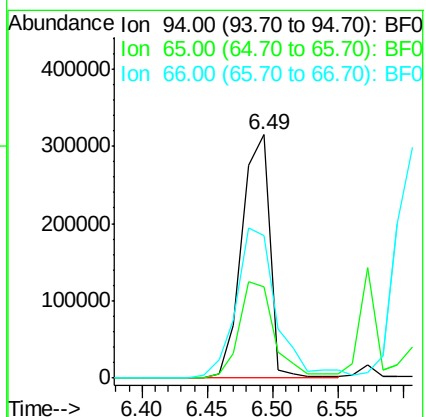
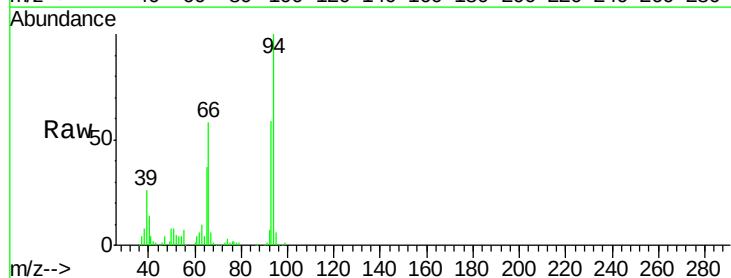
Tgt Ion: 94 Resp: 471156

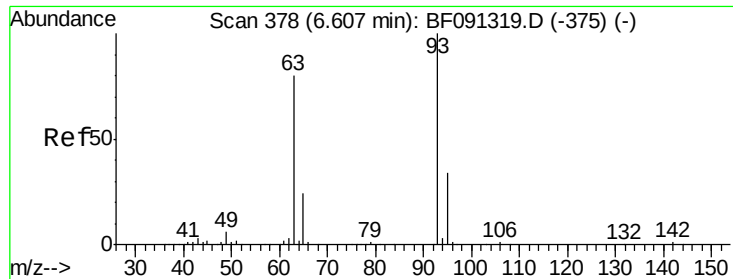
Ion Ratio Lower Upper

94 100

65 37.4 16.9 56.9

66 58.5 30.6 70.6

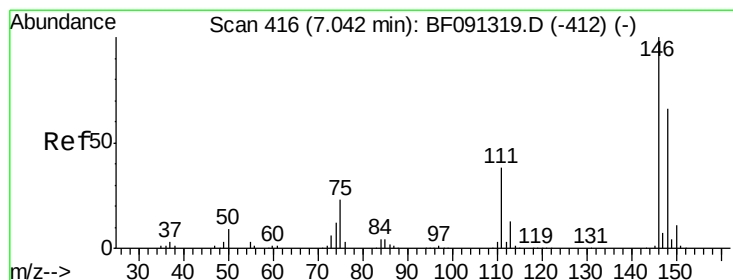
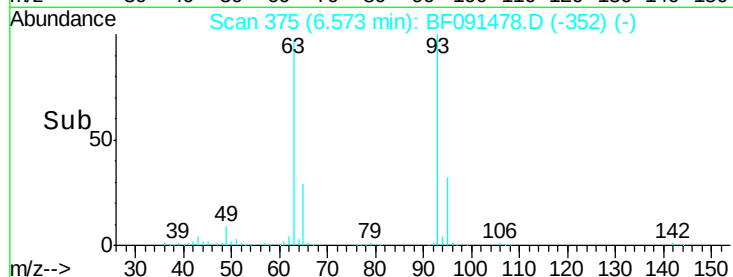
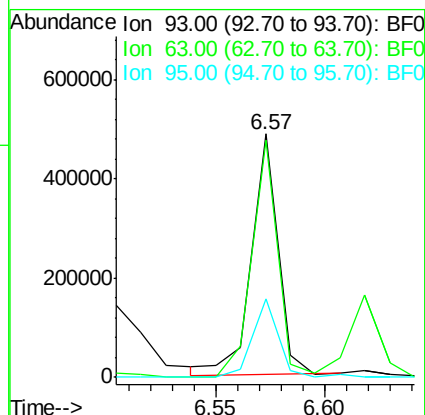
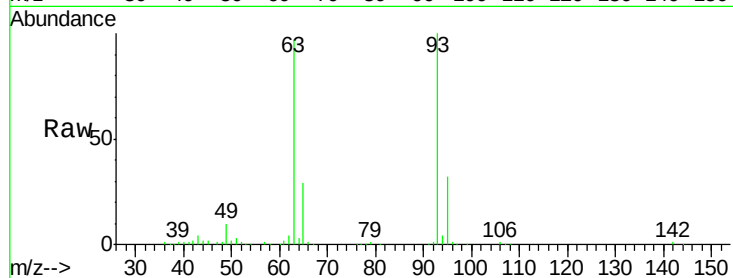




#11
bis(2-Chloroethyl)ether
Concen: 42.43 ng
RT: 6.57 min Scan# 375
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

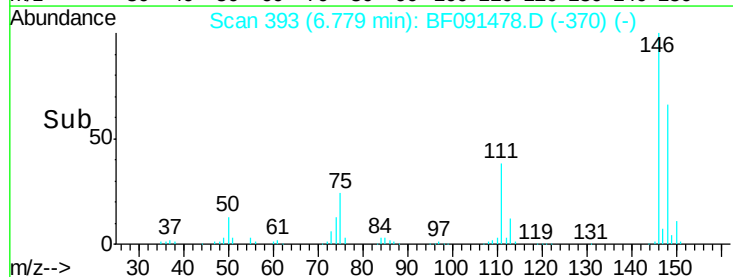
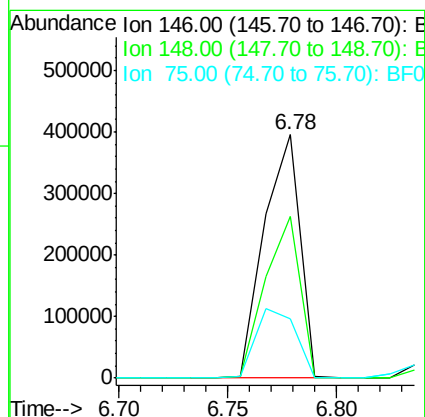
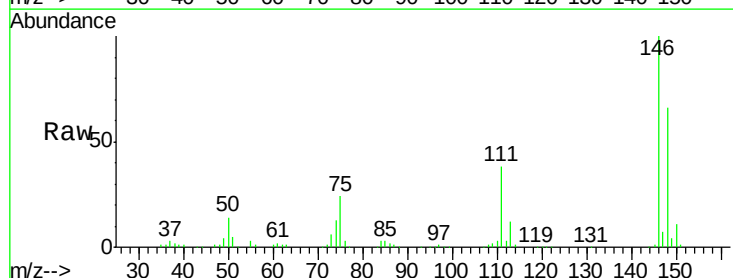
Instrument :
BNA_F
ClientSampleId :
PB95097BS

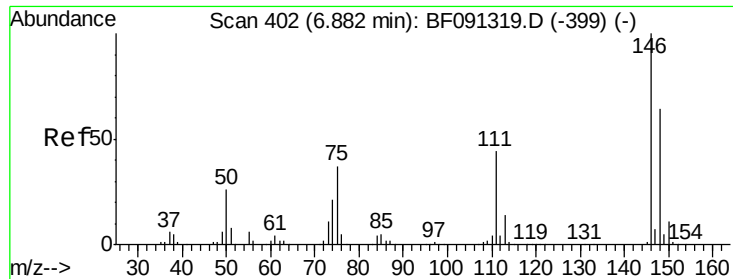
Tgt Ion: 93 Resp: 409552
Ion Ratio Lower Upper
93 100
63 97.4 74.8 114.8
95 32.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.34 ng
RT: 6.78 min Scan# 393
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion: 146 Resp: 458902
Ion Ratio Lower Upper
146 100
148 66.5 51.4 77.0
75 24.4 23.6 35.4

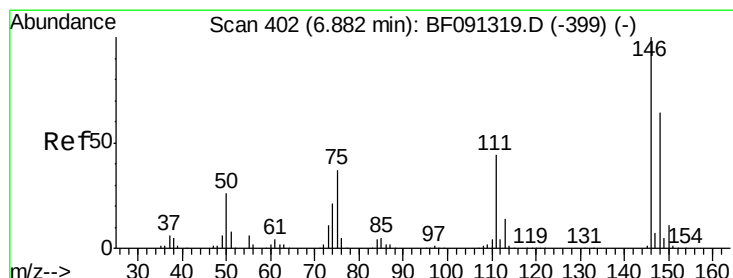
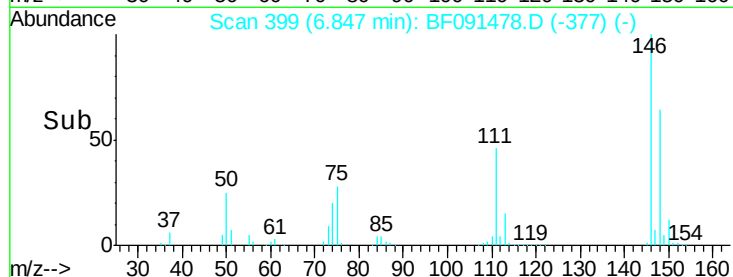
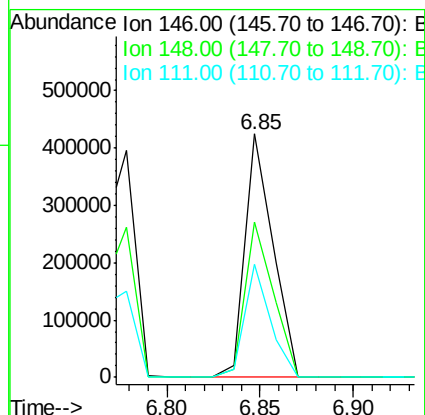
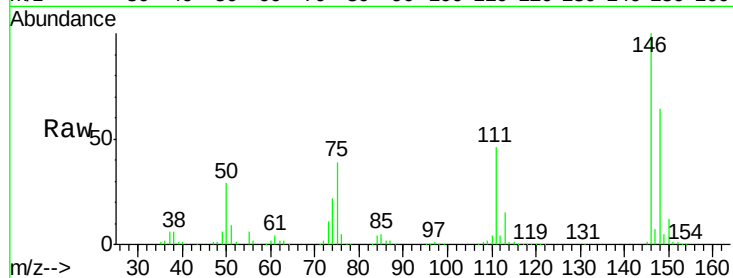




#13
1,4-Dichlorobenzene
Concen: 39.15 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.05 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

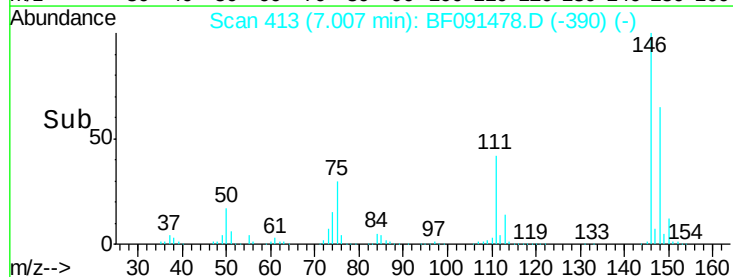
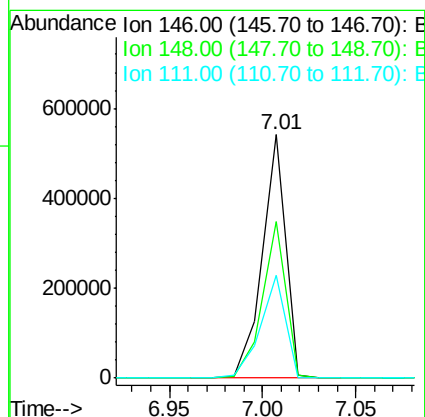
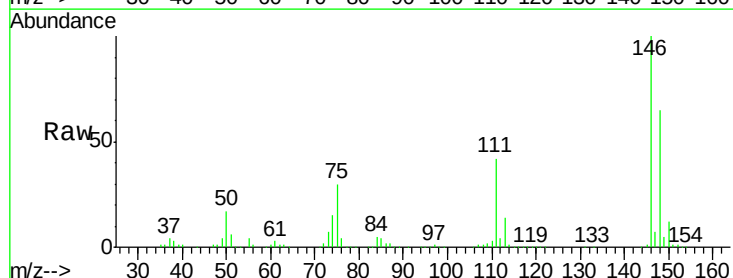
Instrument :
BNA_F
ClientSampleId :
PB95097BS

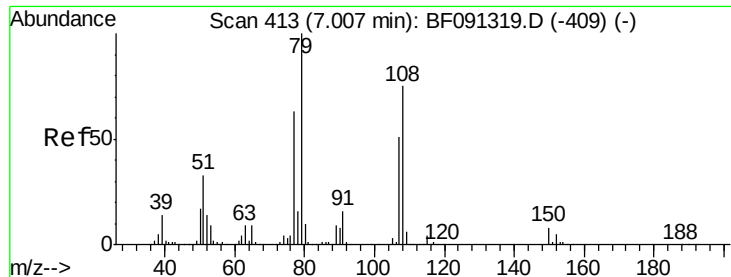
Tgt Ion:146 Resp: 442949
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.0
111 46.2 32.2 48.2



#14
1,2-Dichlorobenzene
Concen: 44.09 ng
RT: 7.01 min Scan# 413
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion:146 Resp: 464725
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 42.5 38.9 58.3





#15

Benzyl Alcohol

Concen: 45.25 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

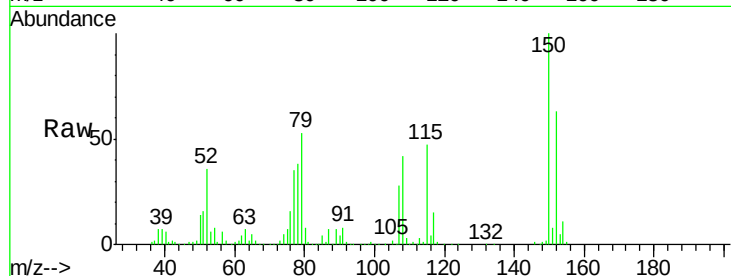
Tgt Ion: 79 Resp: 415779

Ion Ratio Lower Upper

79 100

108 79.4 62.7 94.1

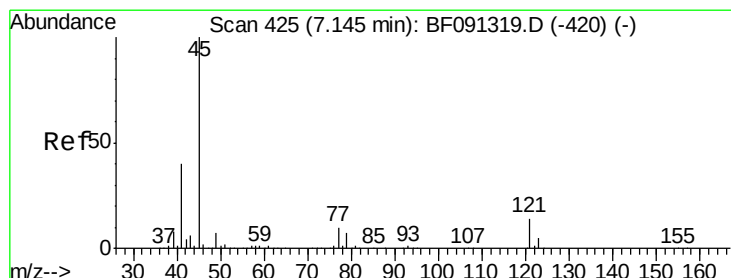
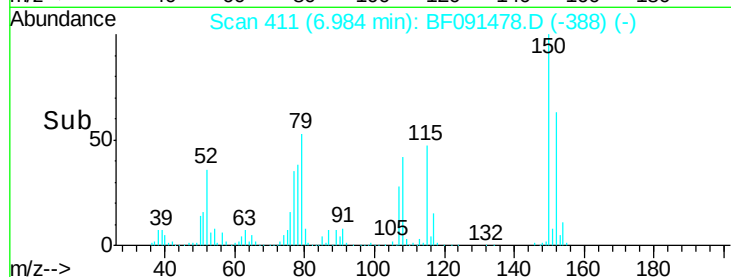
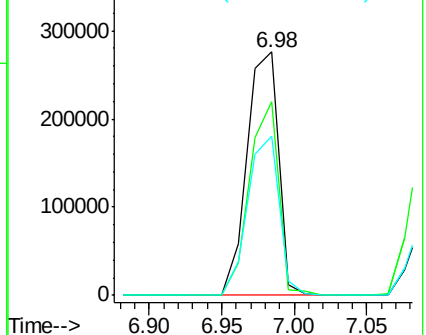
77 65.6 51.7 77.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.72 ng

RT: 7.12 min Scan# 423

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

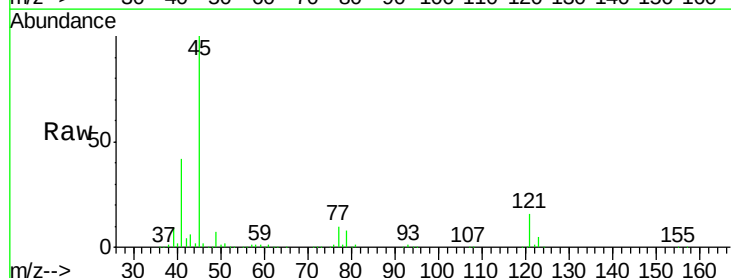
Tgt Ion: 45 Resp: 803618

Ion Ratio Lower Upper

45 100

77 10.2 3.8 43.8

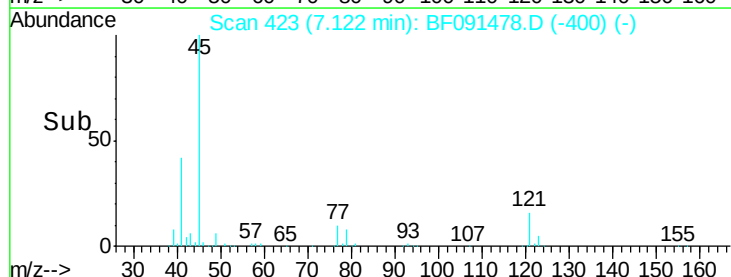
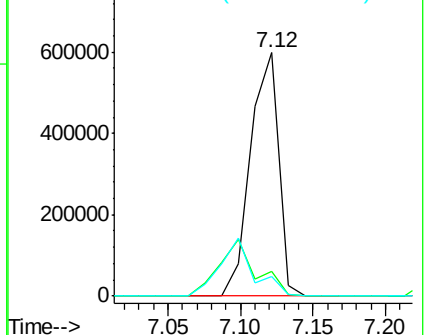
79 7.9 0.2 40.2

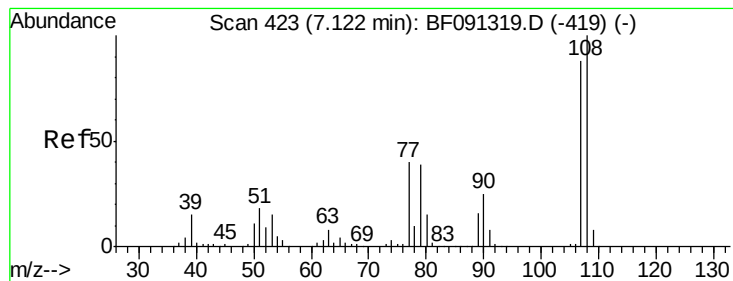


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 42.62 ng

RT: 7.10 min Scan# 421

Delta R.T. -0.03 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

Tgt Ion:107 Resp: 344479

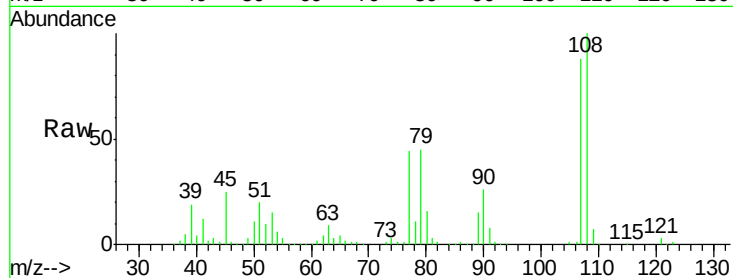
Ion Ratio Lower Upper

107 100

108 114.1 67.7 101.5#

77 50.3 40.7 61.1

79 51.1 23.4 35.2#



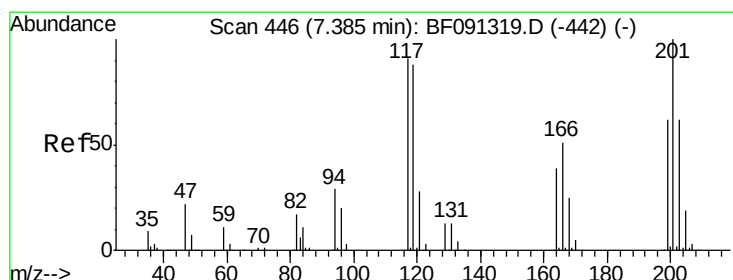
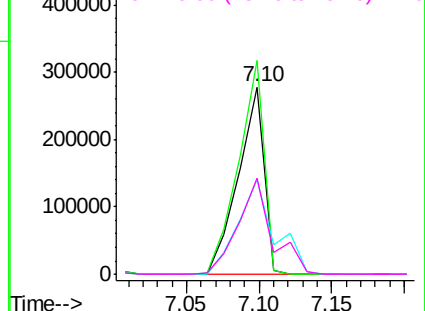
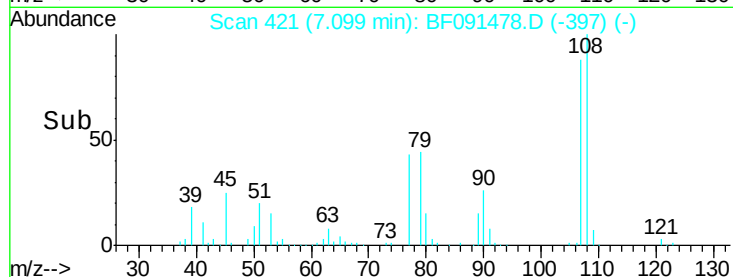
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 41.60 ng

RT: 7.35 min Scan# 443

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

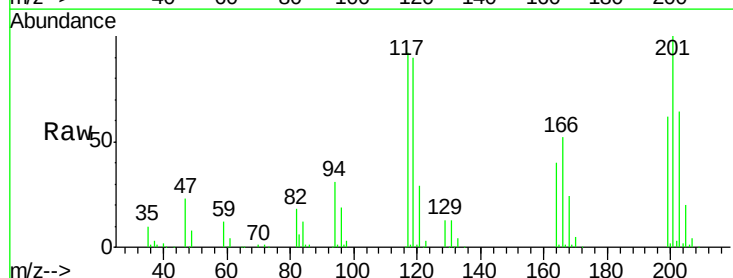
Tgt Ion:117 Resp: 167151

Ion Ratio Lower Upper

117 100

119 97.7 78.6 118.0

201 108.7 86.7 130.1

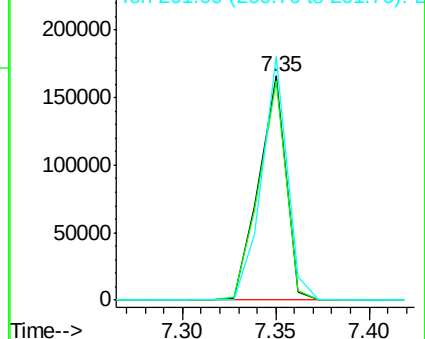
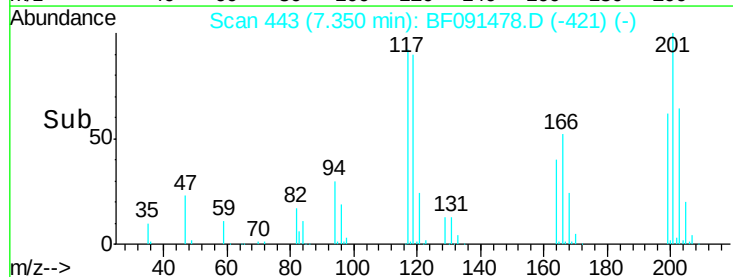


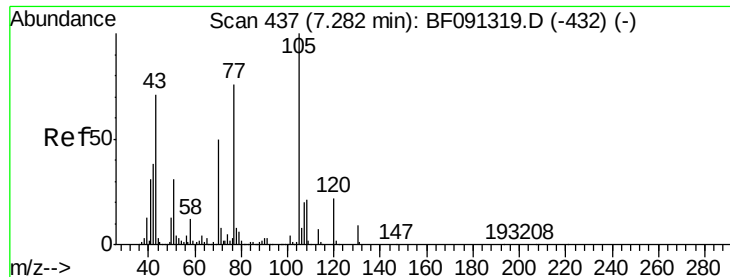
Abundance

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: 43.50 ng

RT: 7.26 min Scan# 435

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

Tgt Ion: 70 Resp: 314660

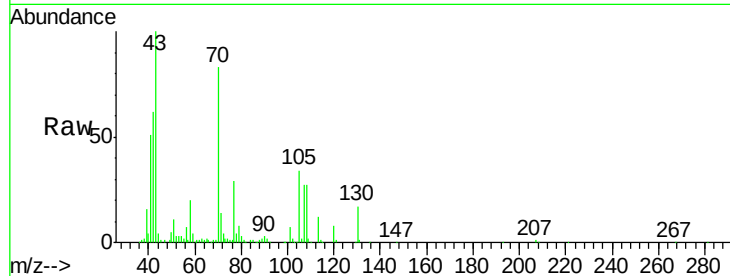
Ion Ratio Lower Upper

70 100

42 74.2 64.8 97.2

101 8.9 6.2 9.4

130 20.2 11.7 17.5#

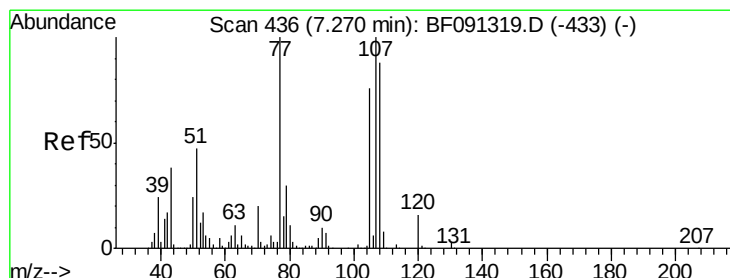
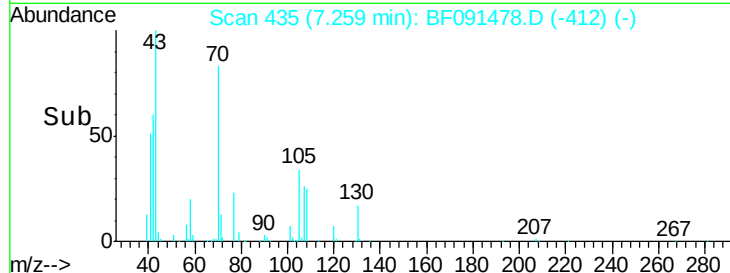
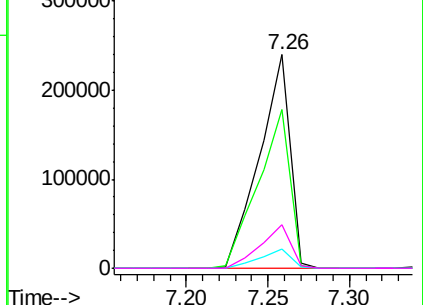


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 40.05 ng

RT: 7.25 min Scan# 434

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Tgt Ion: 107 Resp: 395192

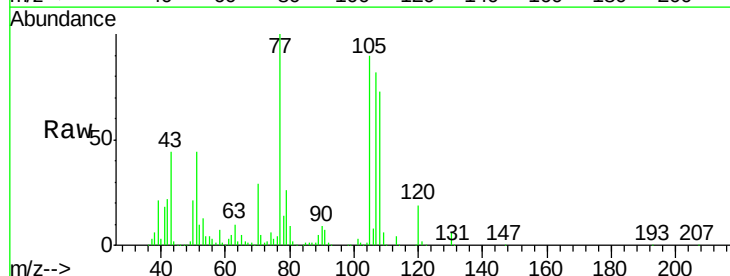
Ion Ratio Lower Upper

107 100

108 89.2 64.6 104.6

77 121.5 30.9 70.9#

79 31.6 9.3 49.3

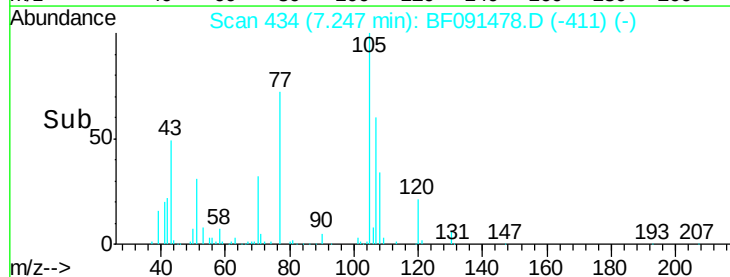
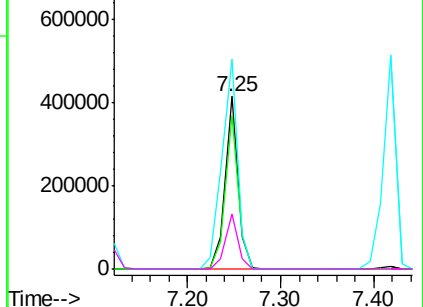


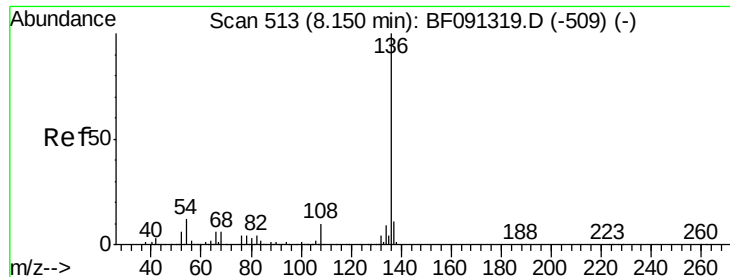
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

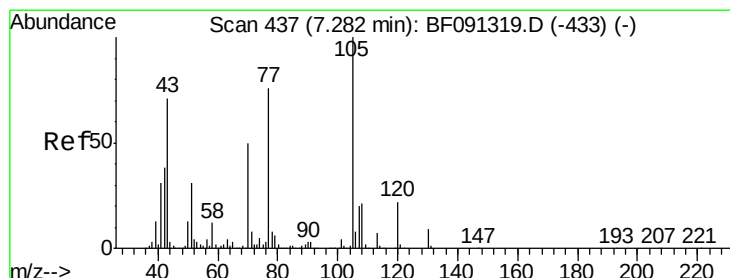
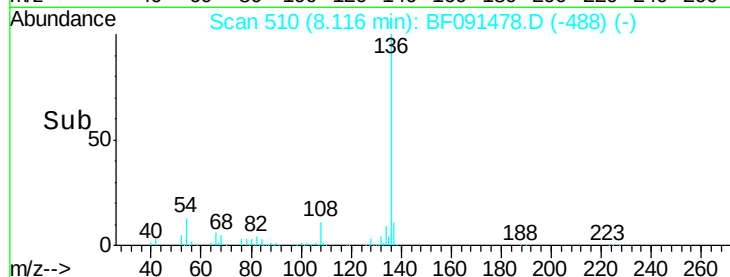
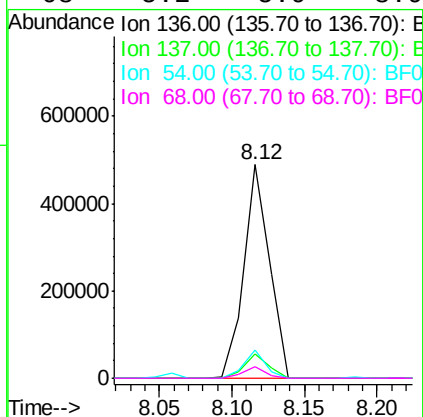
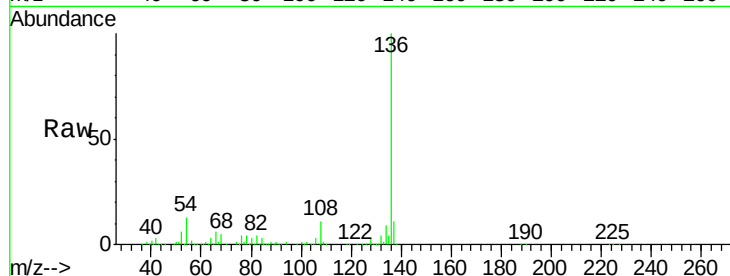




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.05 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

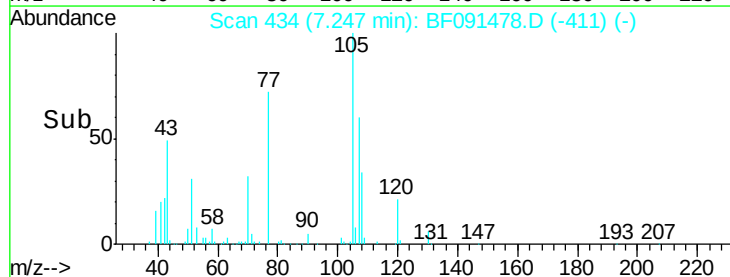
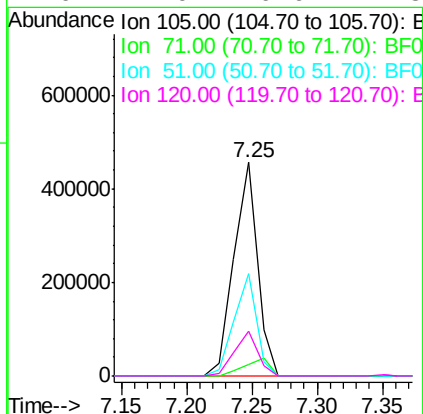
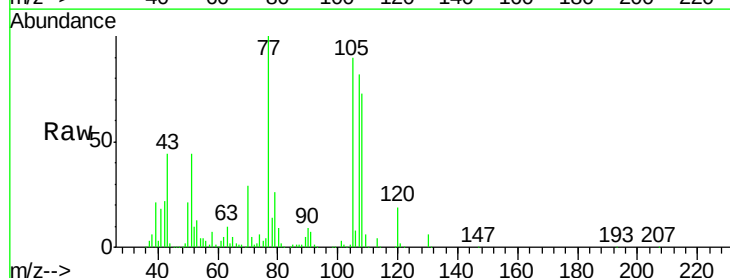
Instrument :
BNA_F
ClientSampleId :
PB95097BS

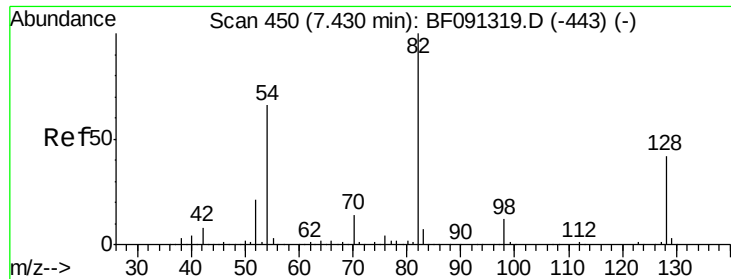
Tgt Ion:	136	Resp:	597971
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	12.9	9.1	13.7
68	5.2	5.9	8.9#



#22
Acetophenone
Concen: 40.27 ng
RT: 7.25 min Scan# 434
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion:	105	Resp:	570763
Ion	Ratio	Lower	Upper
105	100		
71	5.2	7.9	11.9#
51	48.1	24.5	36.7#
120	21.0	16.6	24.8

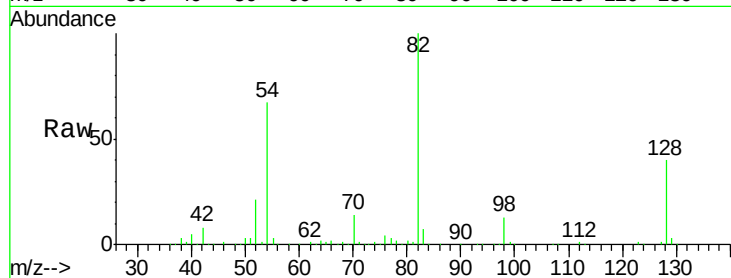




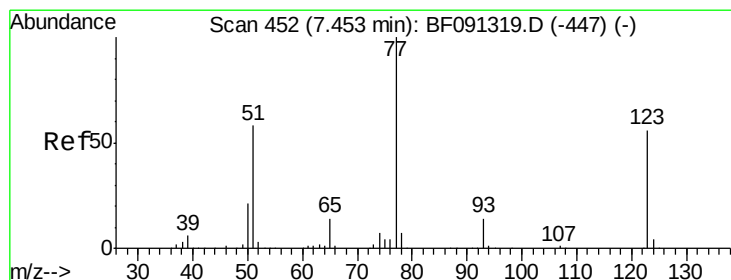
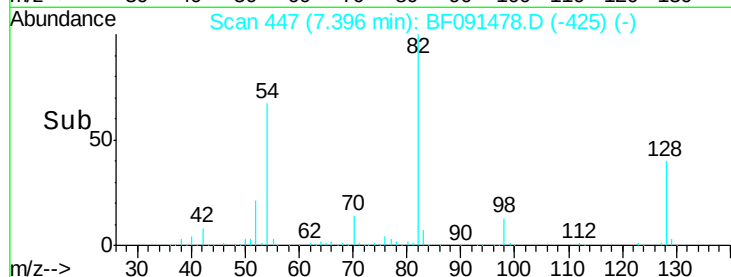
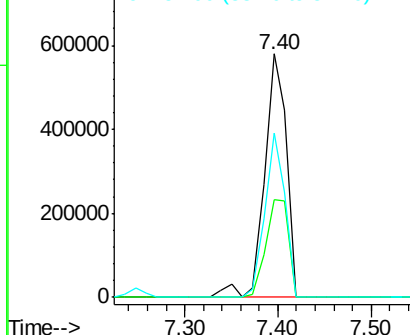
#23
 Nitrobenzene-d5
 Concen: 87.99 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.05 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	31.8	47.6
54	67.3	49.1	73.7

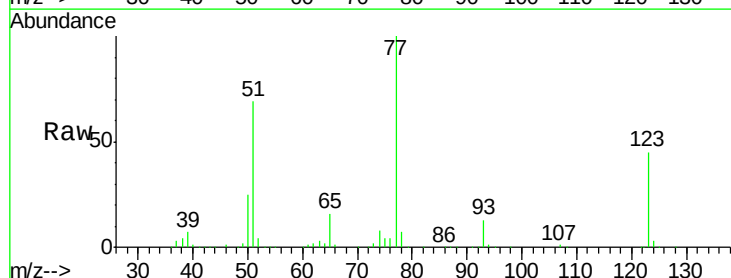


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

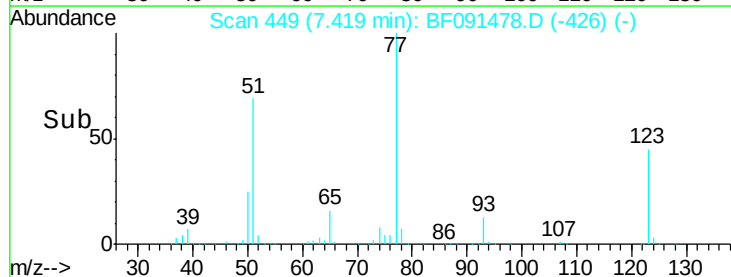
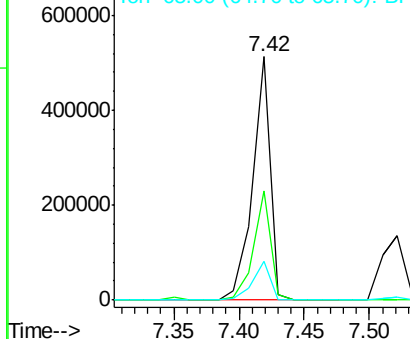


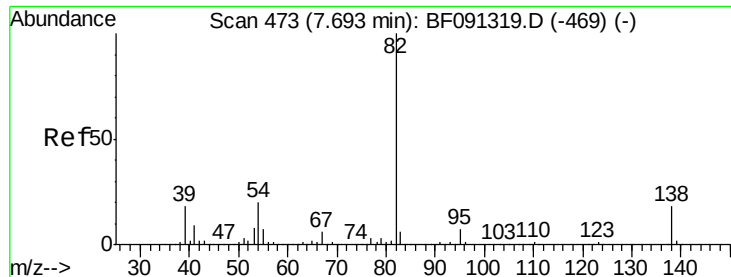
#24
 Nitrobenzene
 Concen: 44.19 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	28.5	42.7#
65	15.9	12.5	18.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 45.71 ng

RT: 7.66 min Scan# 470

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

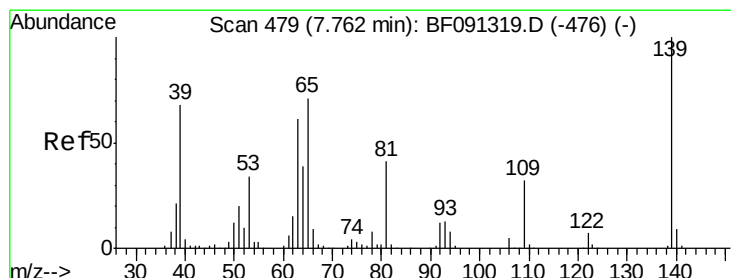
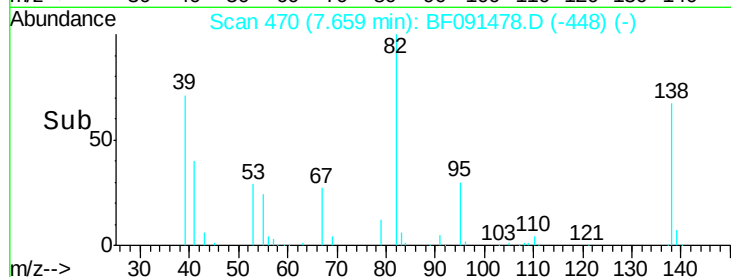
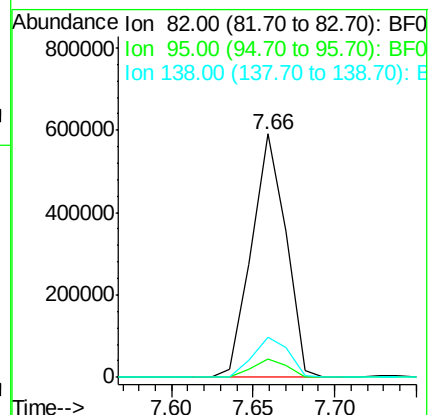
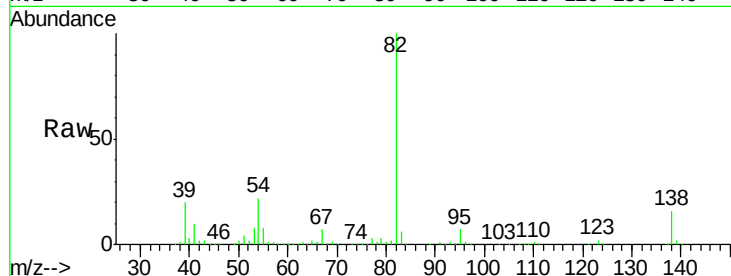
Tgt Ion: 82 Resp: 864068

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

138 16.4 13.4 20.0



#26

2-Nitrophenol

Concen: 45.27 ng

RT: 7.74 min Scan# 477

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

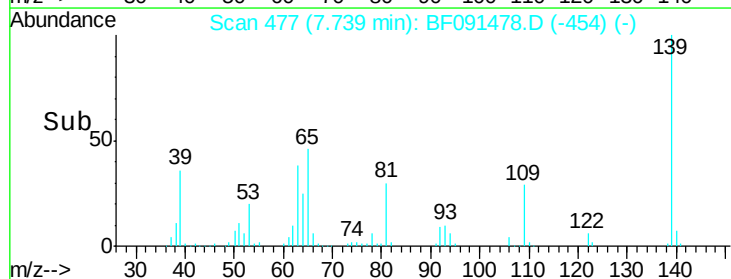
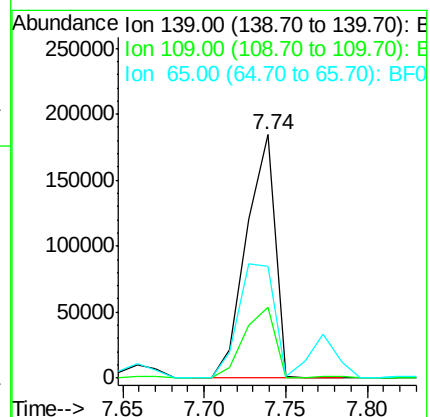
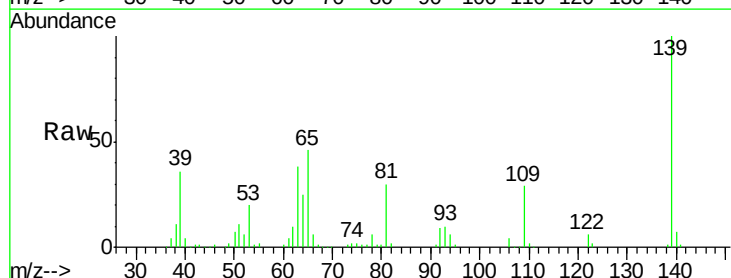
Tgt Ion: 139 Resp: 225365

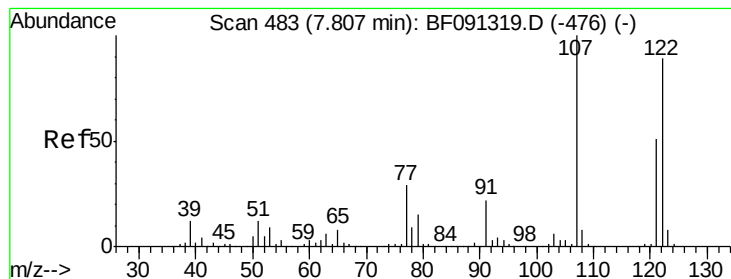
Ion Ratio Lower Upper

139 100

109 29.0 25.3 37.9

65 46.0 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 40.57 ng

RT: 7.77 min Scan# 480

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

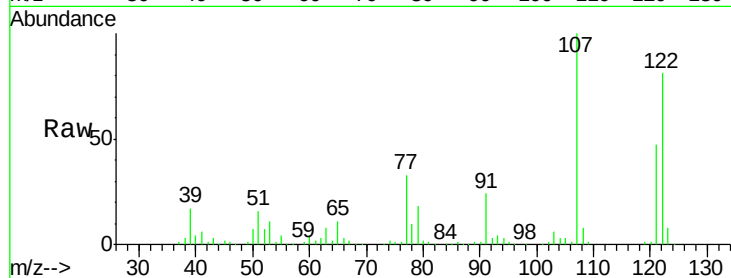
Tgt Ion:122 Resp: 377852

Ion Ratio Lower Upper

122 100

107 122.9 96.8 145.2

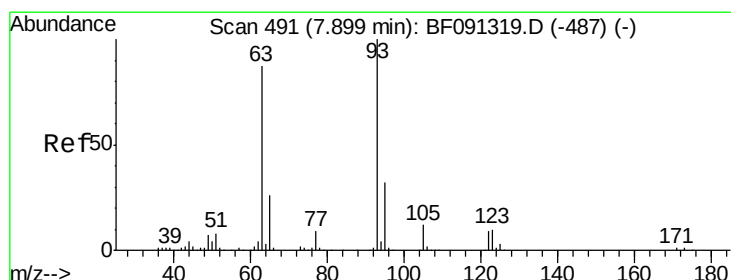
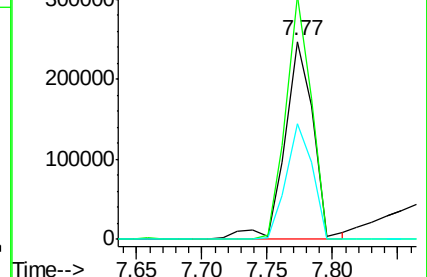
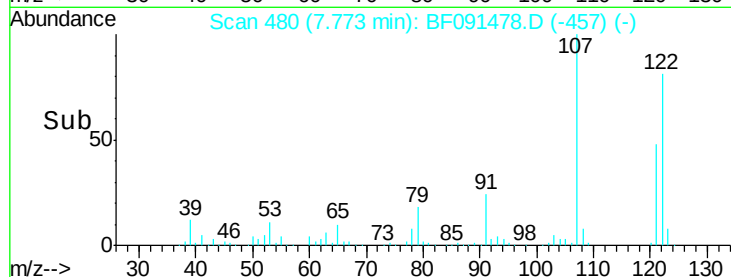
121 58.3 47.7 71.5



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: 46.45 ng

RT: 7.88 min Scan# 489

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

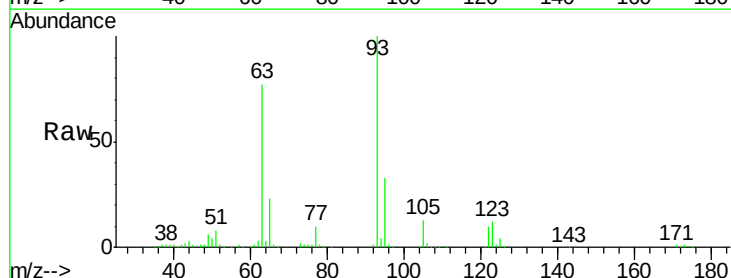
Tgt Ion: 93 Resp: 528533

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

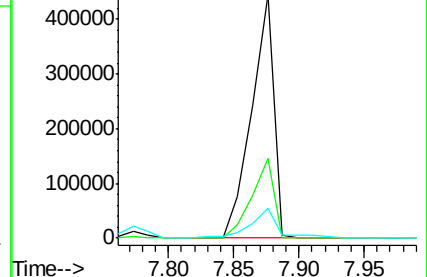
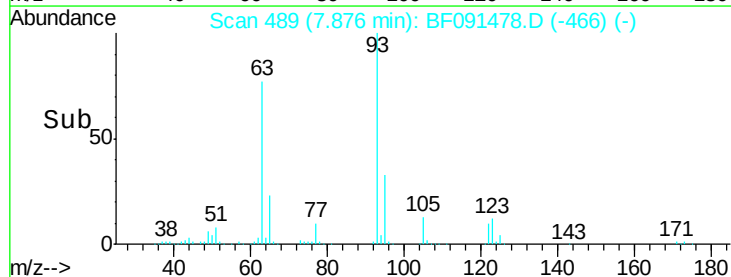
123 12.0 8.6 12.8

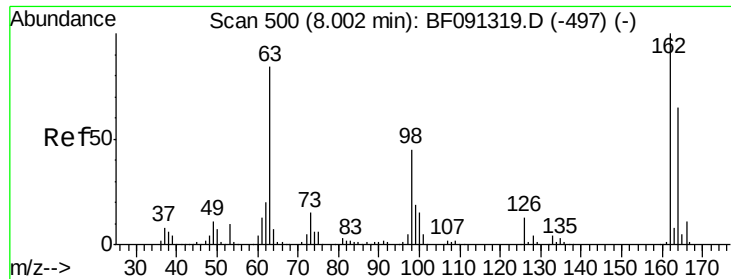


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

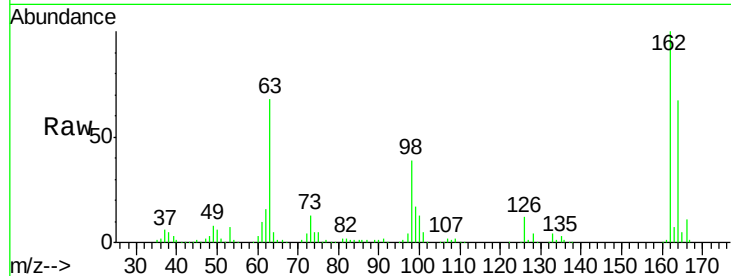




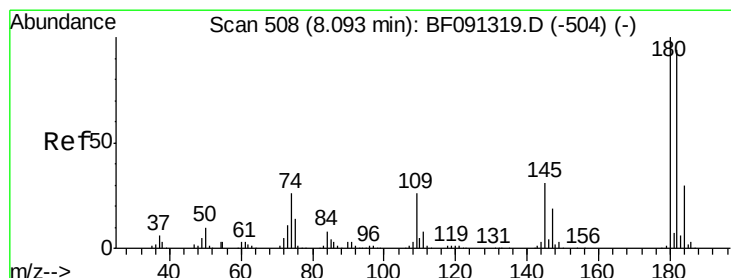
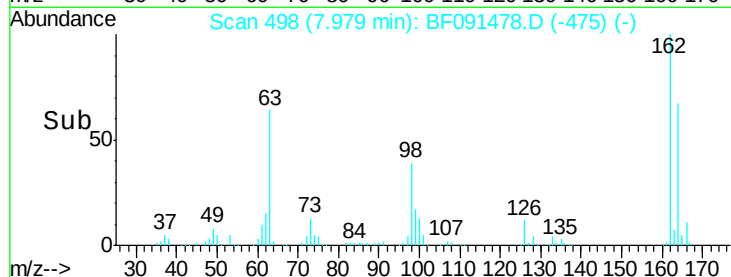
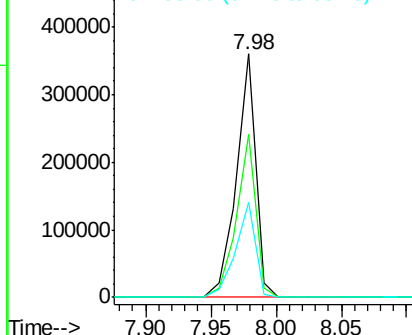
#29
 2,4-Dichlorophenol
 Concen: 44.87 ng
 RT: 7.98 min Scan# 498
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.9	45.0	85.0
98	39.2	21.3	61.3

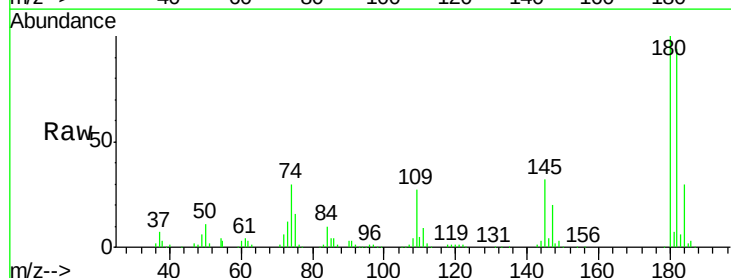


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

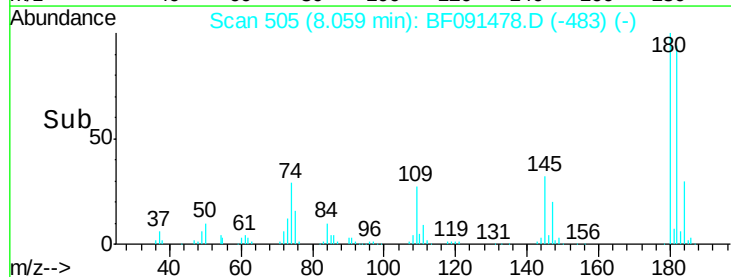
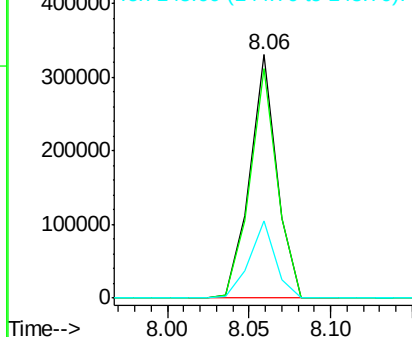


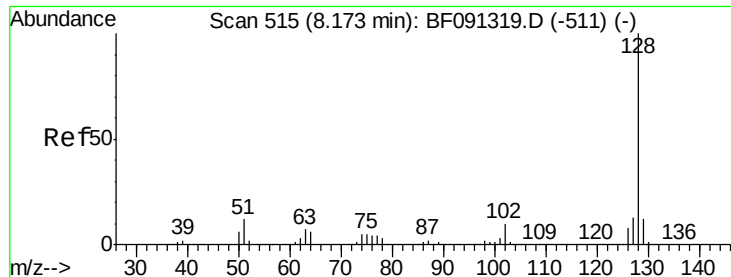
#30
 1,2,4-Trichlorobenzene
 Concen: 41.39 ng
 RT: 8.06 min Scan# 505
 Delta R.T. -0.05 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.8
145	31.6	27.0	40.4



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

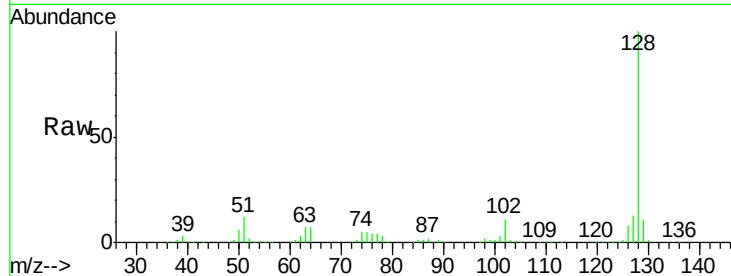




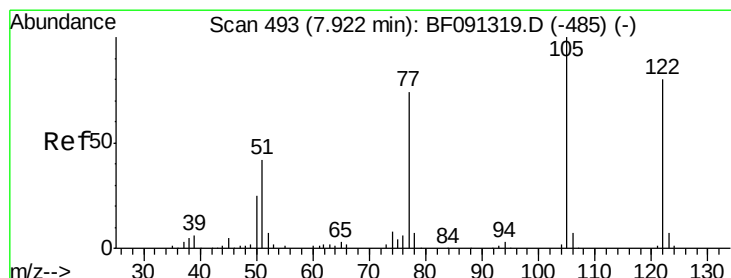
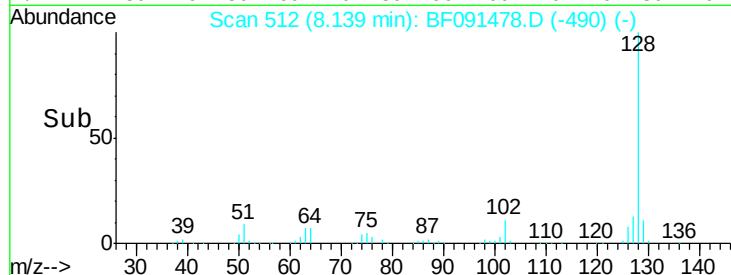
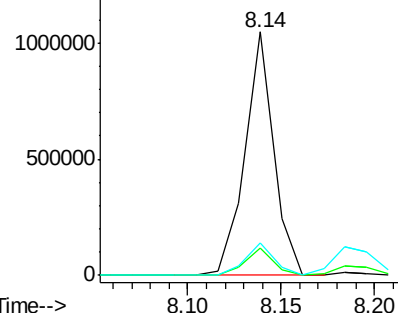
#31
Naphthalene
Concen: 39.06 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.05 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Instrument :
BNA_F
ClientSampleId :
PB95097BS

Tgt Ion:128 Resp: 1110045
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.3 11.0 16.4

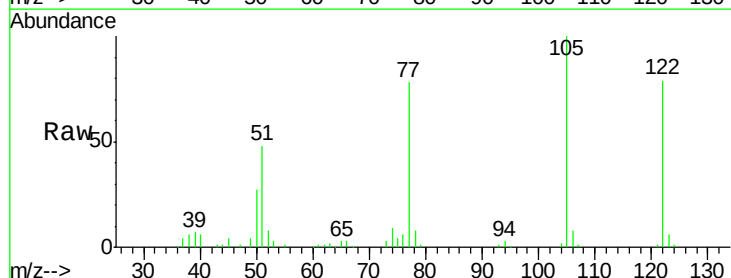


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

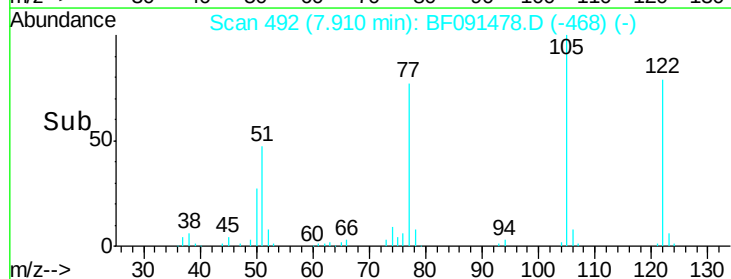
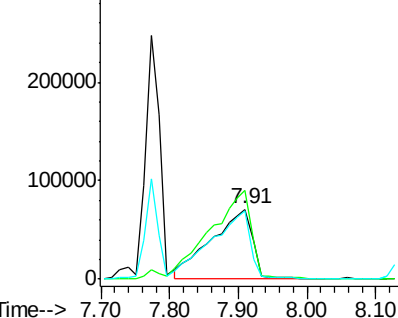


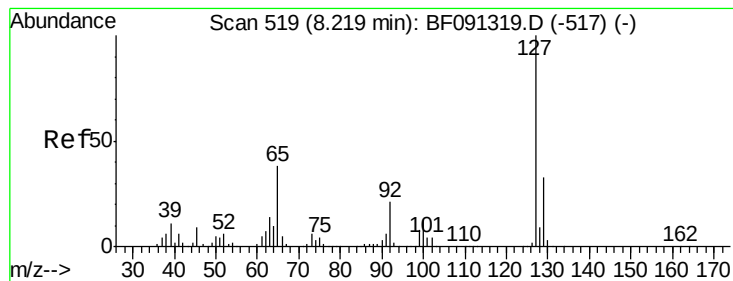
#32
Benzoic acid
Concen: 42.62 ng
RT: 7.91 min Scan# 492
Delta R.T. -0.03 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion:122 Resp: 292561
Ion Ratio Lower Upper
122 100
105 126.7 113.0 153.0
77 98.3 82.0 122.0



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: 16.62 ng

RT: 8.18 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

Tgt Ion:127 Resp: 201874

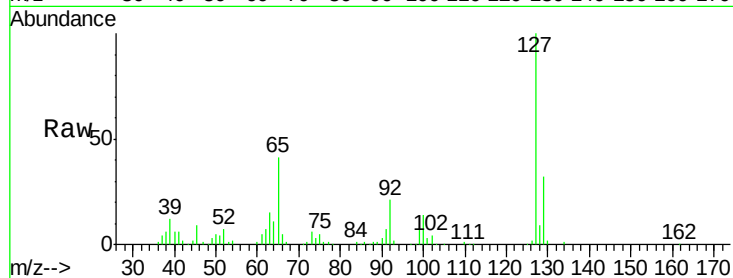
Ion Ratio Lower Upper

127 100

129 31.9 26.2 39.4

65 40.9 26.6 39.8#

92 21.3 15.4 23.0

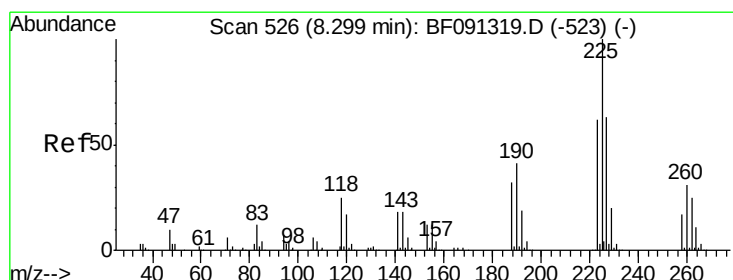
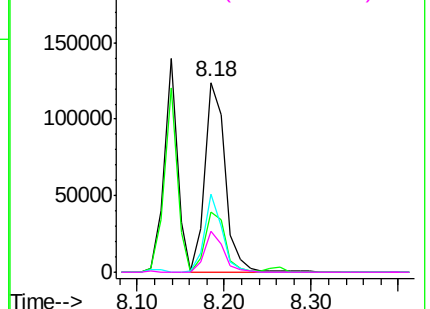
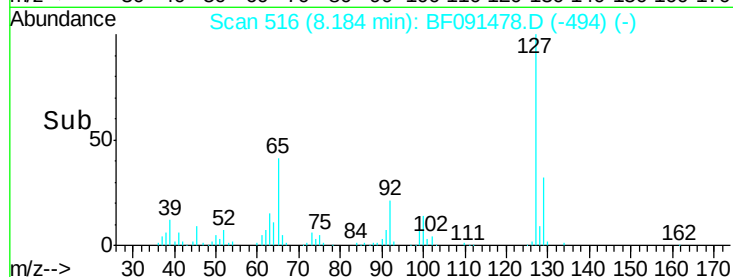


Abundance Ion 127.00 (126.70 to 127.70): E

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: 44.11 ng

RT: 8.26 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

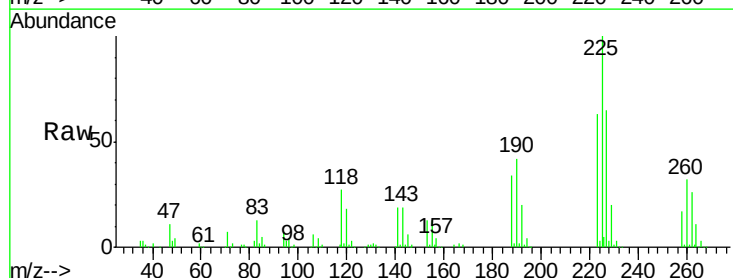
Tgt Ion:225 Resp: 249129

Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

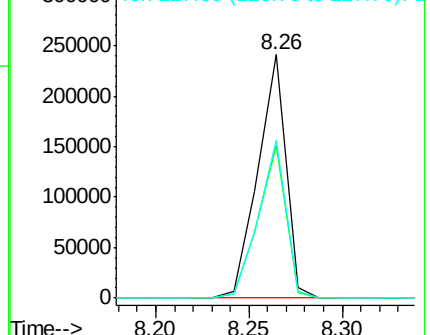
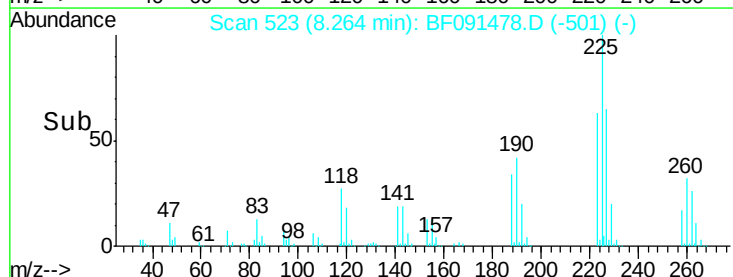
227 64.8 52.6 79.0

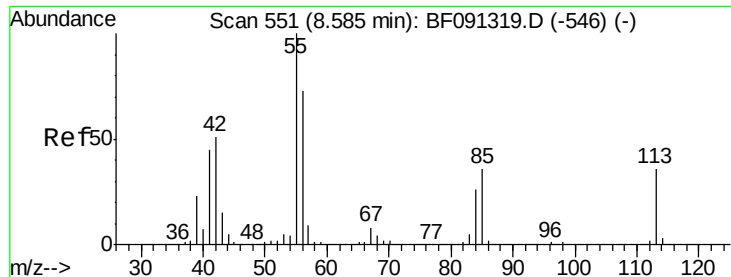


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

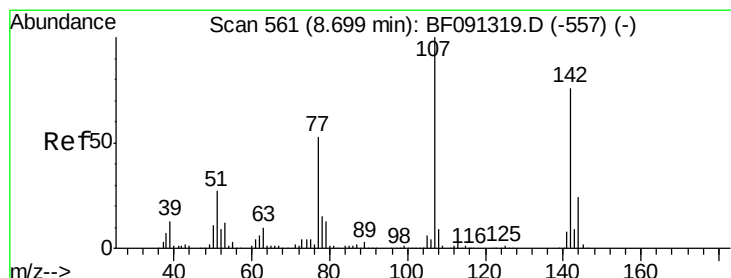
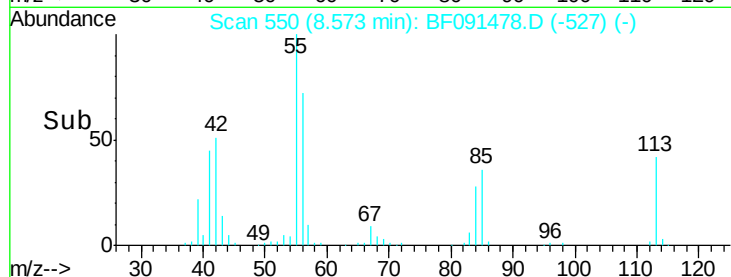
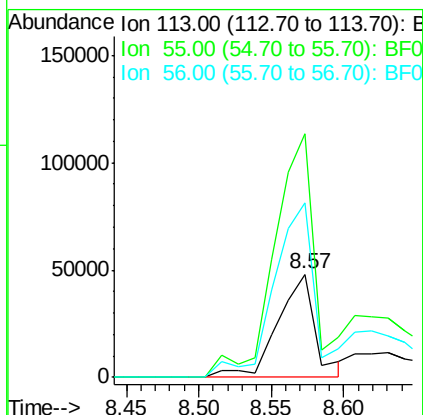
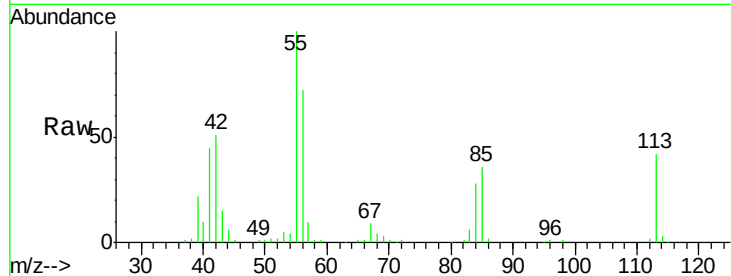




#35
 Caprolactam
 Concen: 36.30 ng
 RT: 8.57 min Scan# 550
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

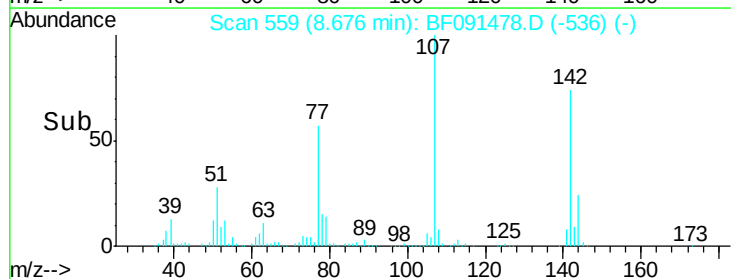
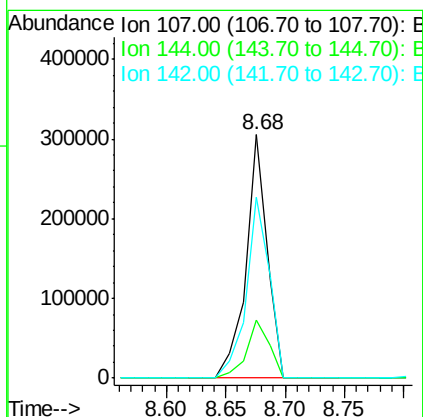
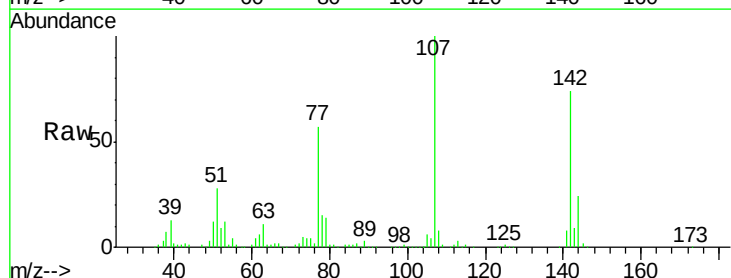
Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

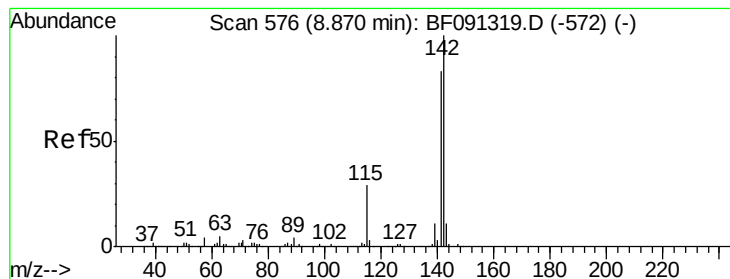
Tgt Ion:113 Resp: 85471
 Ion Ratio Lower Upper
 113 100
 55 236.6 239.8 279.8#
 56 170.2 165.6 205.6



#36
 4-Chloro-3-methylphenol
 Concen: 43.13 ng
 RT: 8.68 min Scan# 559
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion:107 Resp: 381502
 Ion Ratio Lower Upper
 107 100
 144 24.1 18.9 28.3
 142 74.3 58.5 87.7





#37

2-Methylnaphthalene

Concen: 47.94 ng

RT: 8.84 min Scan# 573

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

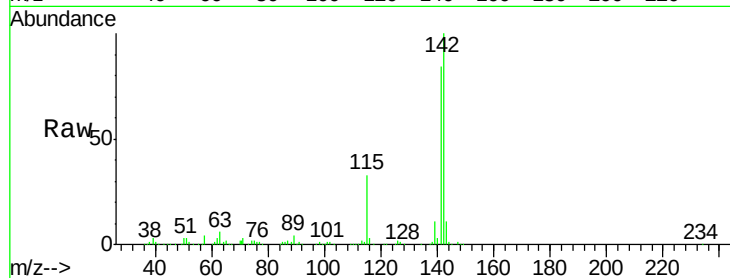
Tgt Ion:142 Resp: 925703

Ion Ratio Lower Upper

142 100

141 84.3 71.7 107.5

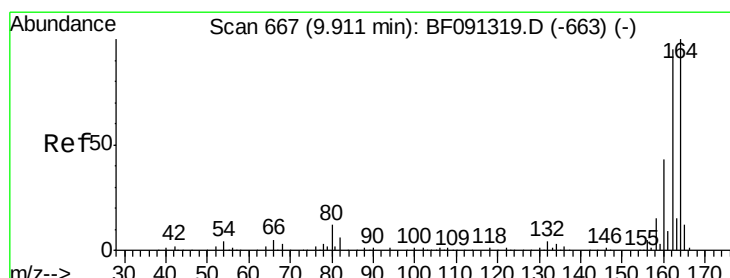
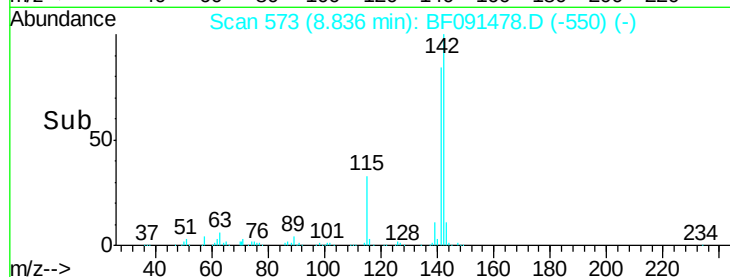
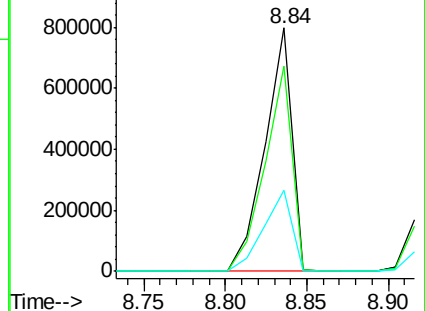
115 33.2 25.0 37.6



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: 9.88 min Scan# 664

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

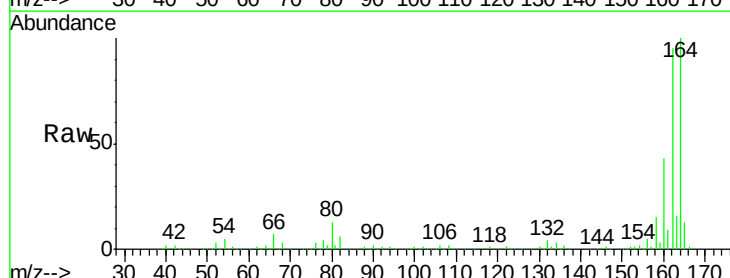
Tgt Ion:164 Resp: 414727

Ion Ratio Lower Upper

164 100

162 95.2 82.6 124.0

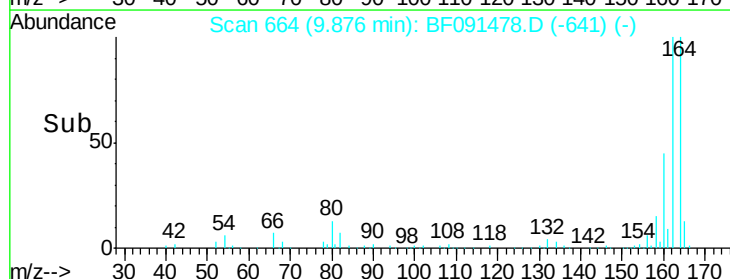
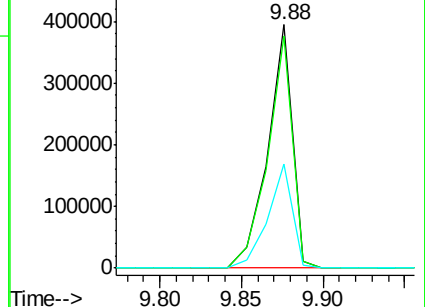
160 43.0 36.7 55.1

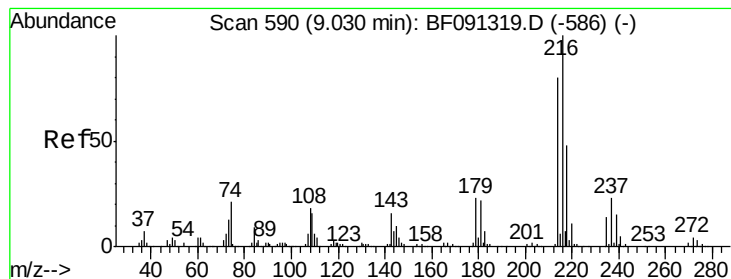


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.72 ng

RT: 9.00 min Scan# 587

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

Tgt Ion:216 Resp: 370812

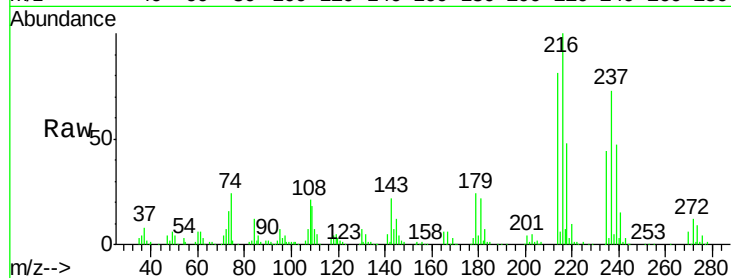
Ion Ratio Lower Upper

216 100

214 79.1 63.8 95.8

179 21.3 18.2 27.2

108 19.6 17.2 25.8

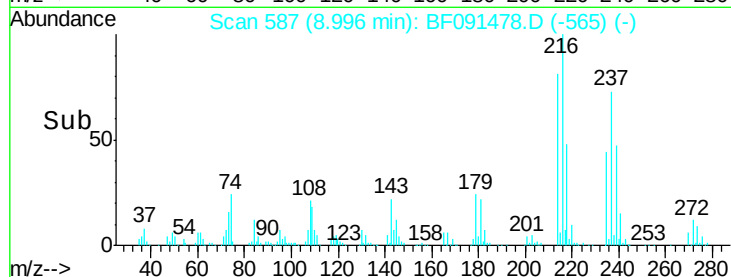


Abundance Ion 216.00 (215.70 to 216.70): E

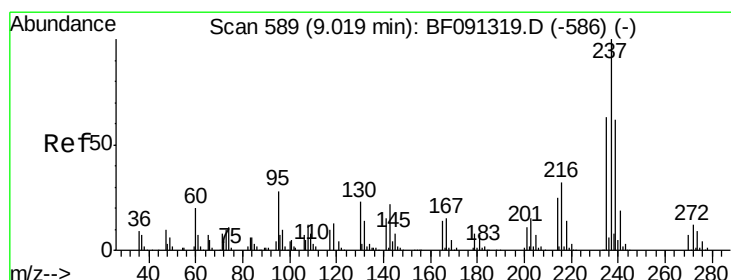
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 72.16 ng

RT: 8.98 min Scan# 586

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

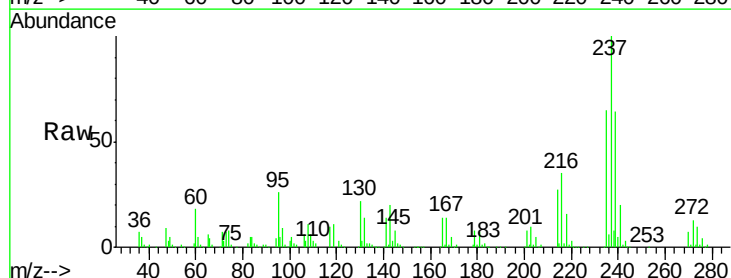
Tgt Ion:237 Resp: 391062

Ion Ratio Lower Upper

237 100

235 64.8 43.9 83.9

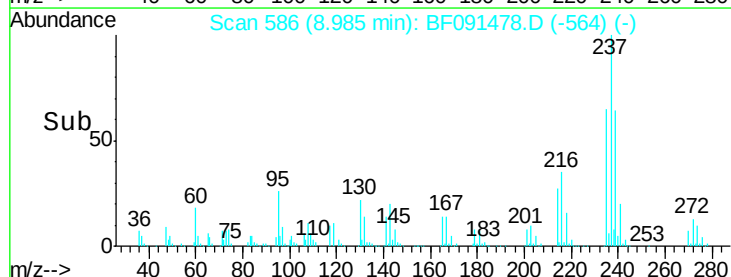
272 13.3 0.0 33.1



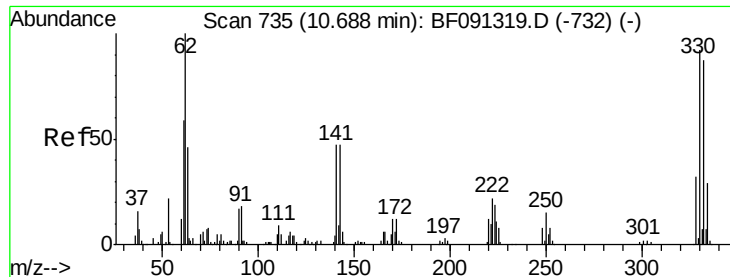
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



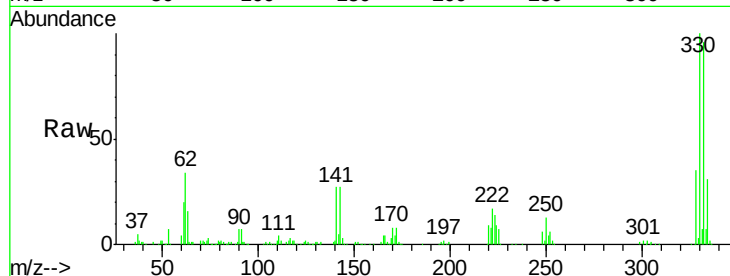
Time-->



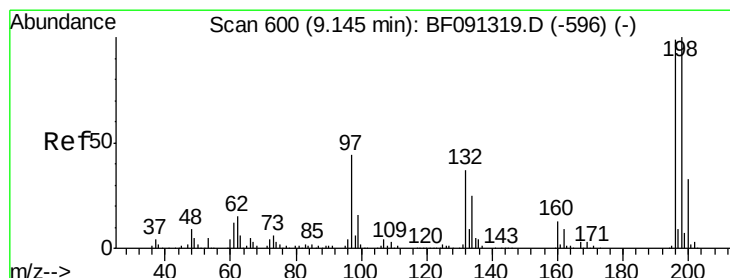
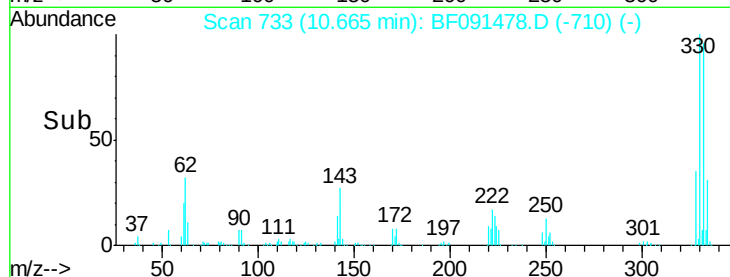
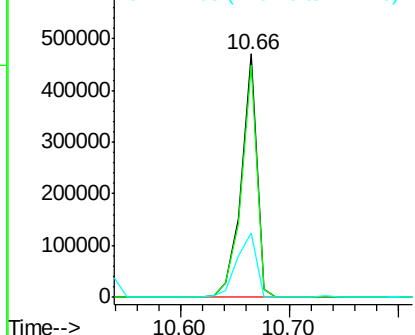
#41
 2,4,6-Tribromophenol
 Concen: 117.30 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Tgt Ion:330 Resp: 460549
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.2 114.4
 141 33.2 33.6 50.4#

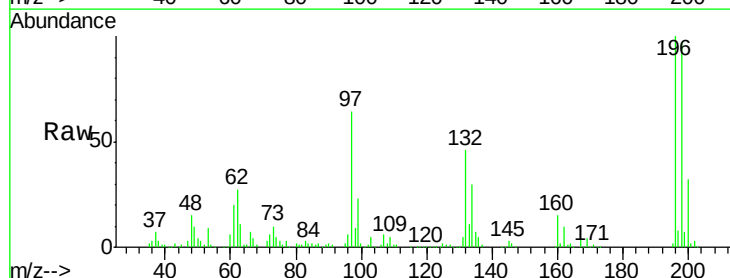


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

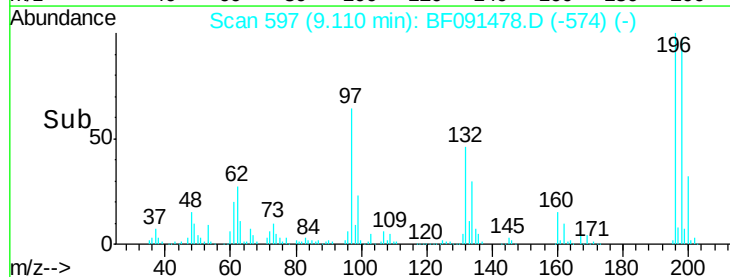
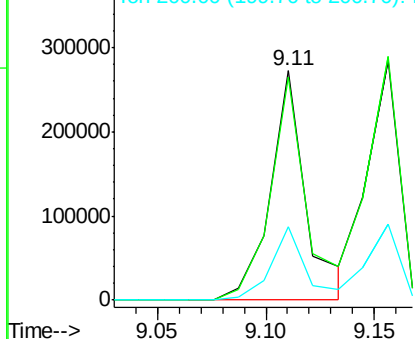


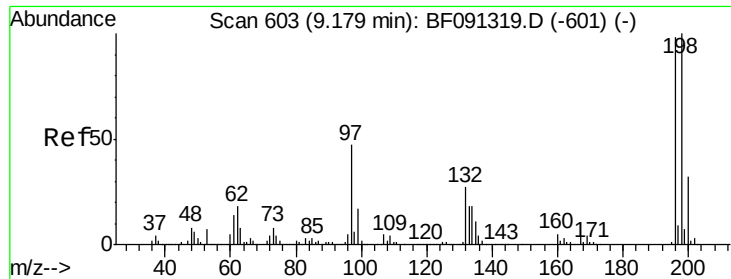
#42
 2,4,6-Trichlorophenol
 Concen: 41.23 ng
 RT: 9.11 min Scan# 597
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion:196 Resp: 313254
 Ion Ratio Lower Upper
 196 100
 198 97.2 77.4 116.0
 200 31.7 25.2 37.8



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

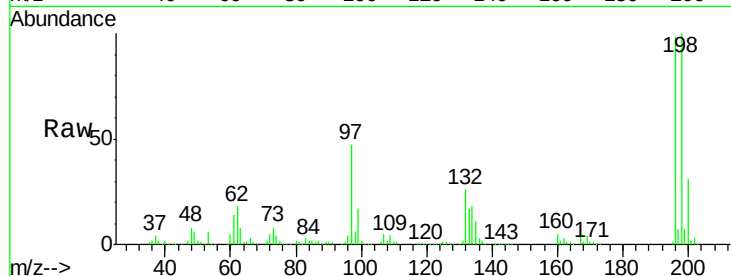




#43
2,4,5-Trichlorophenol
Concen: 38.04 ng
RT: 9.16 min Scan# 601
Delta R.T. -0.03 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Instrument :
BNA_F
ClientSampleId :
PB95097BS

Tgt Ion	Resp	Lower	Upper
196	100		
198	101.7	77.0	115.6
97	47.4	33.5	50.3
132	26.1	20.5	30.7



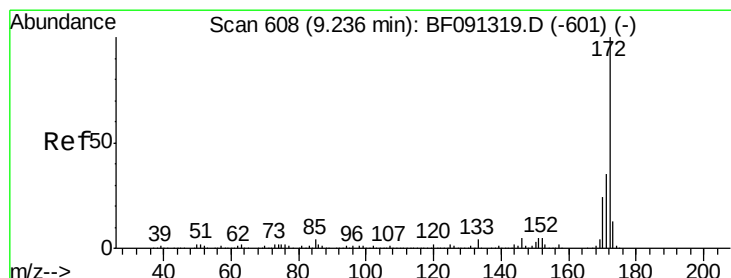
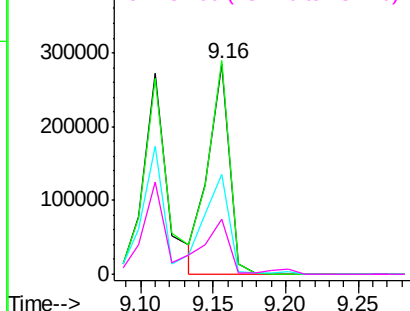
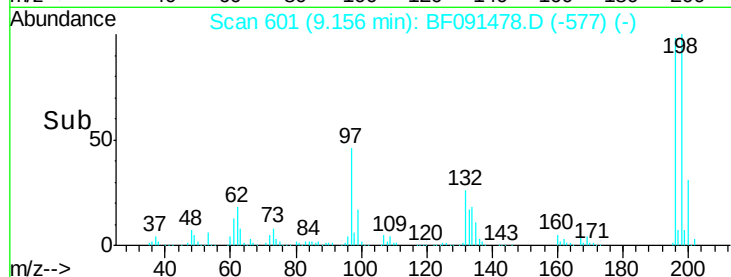
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

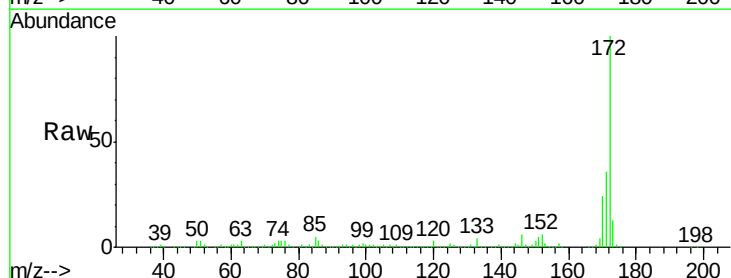
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 86.99 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.0	19.7	29.5

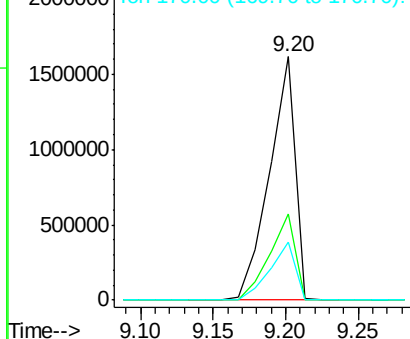
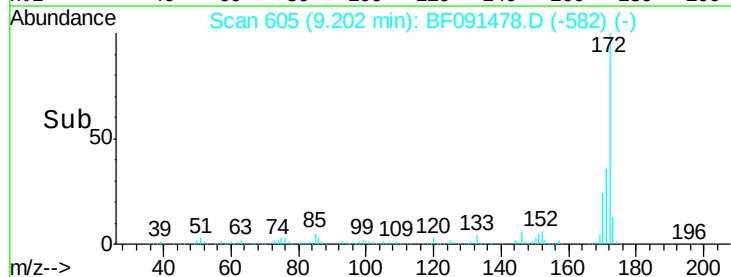


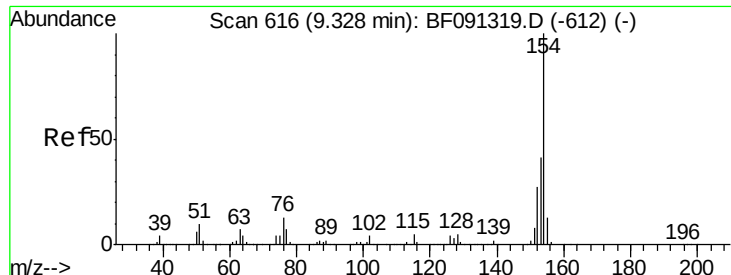
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

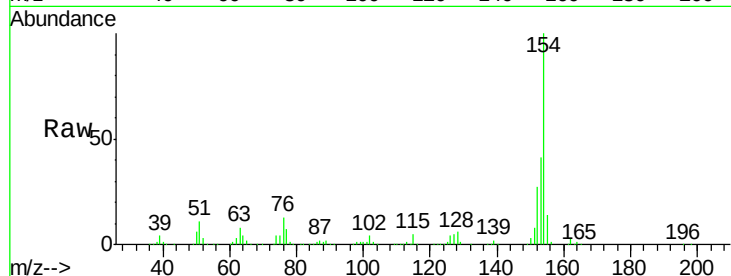




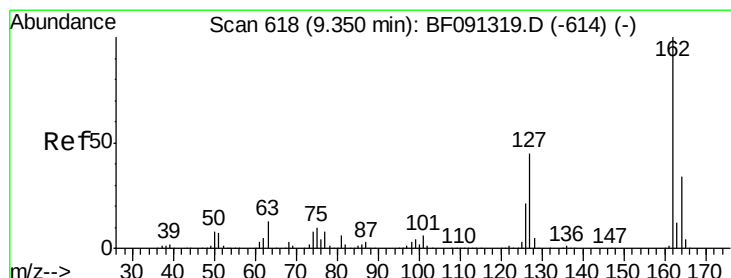
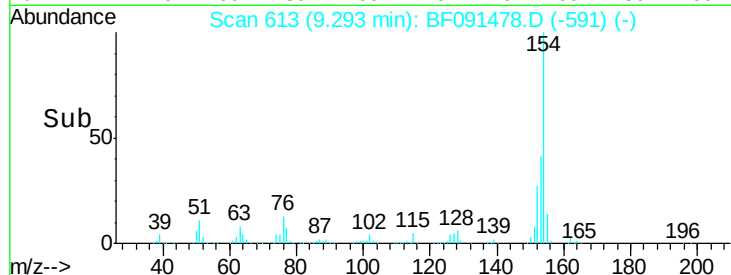
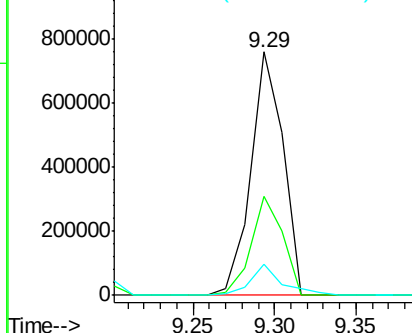
#45
 1,1'-Biphenyl
 Concen: 34.78 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Tgt Ion:154 Resp: 1037272
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.6 60.6
 76 13.0 0.0 36.6

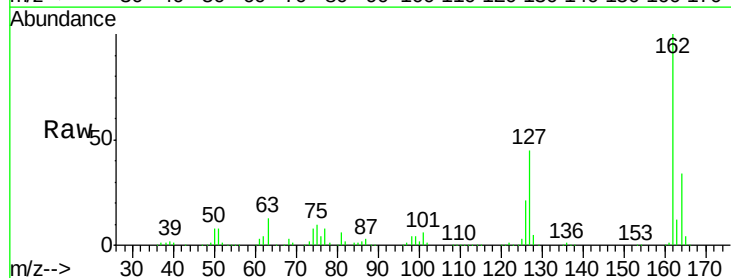


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

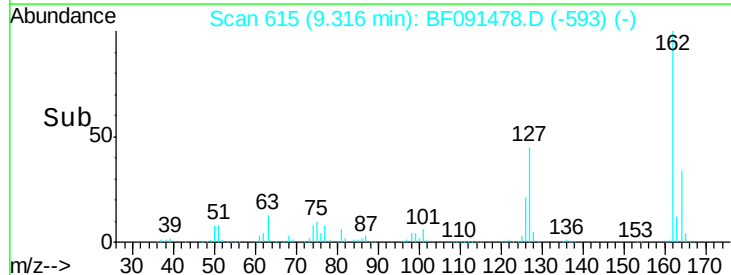
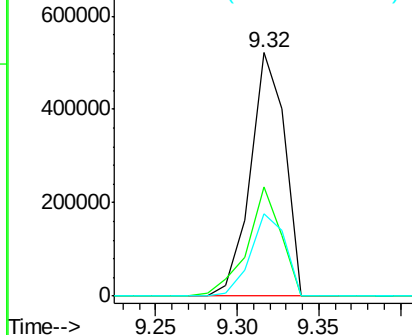


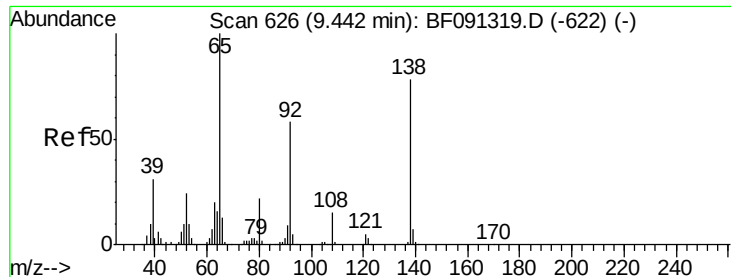
#46
 2-Chloronaphthalene
 Concen: 34.23 ng
 RT: 9.32 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion:162 Resp: 760194
 Ion Ratio Lower Upper
 162 100
 127 44.9 34.3 51.5
 164 33.7 26.6 40.0



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

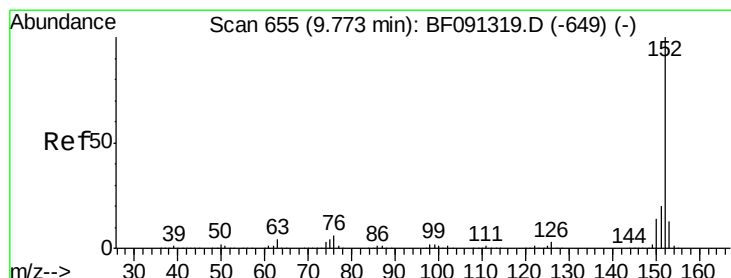
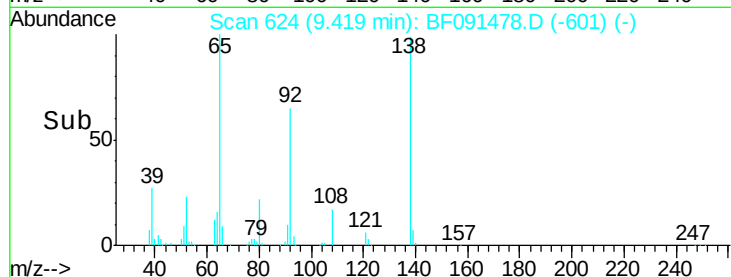
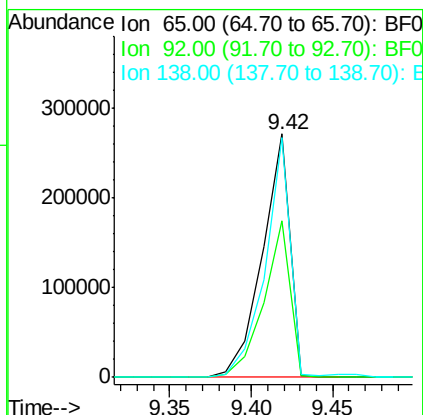
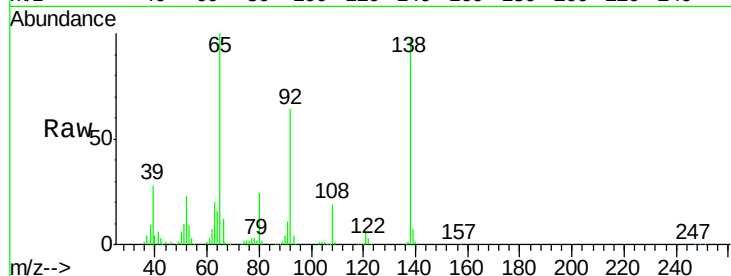




#47
2-Nitroaniline
Concen: 40.10 ng
RT: 9.42 min Scan# 624
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

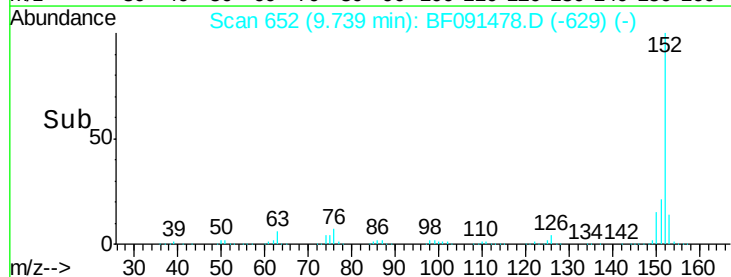
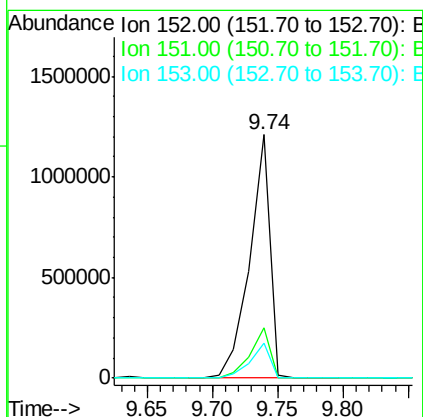
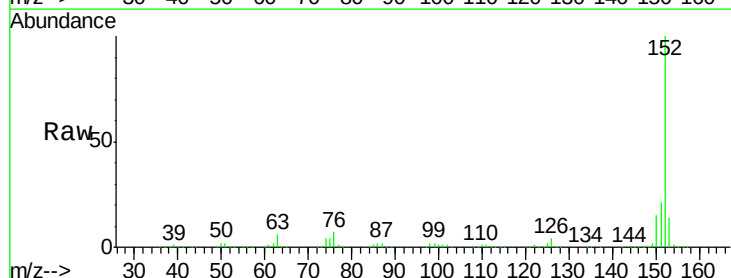
Instrument :
BNA_F
ClientSampleId :
PB95097BS

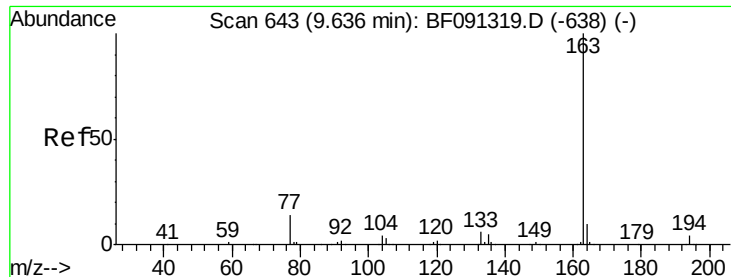
Tgt Ion: 65 Resp: 319841
Ion Ratio Lower Upper
65 100
92 64.2 53.6 80.4
138 98.3 91.0 136.6



#48
Acenaphthylene
Concen: 37.41 ng
RT: 9.74 min Scan# 652
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion: 152 Resp: 1307852
Ion Ratio Lower Upper
152 100
151 20.6 16.6 24.8
153 14.1 10.7 16.1





#49

Dimethylphthalate

Concen: 35.39 ng

RT: 9.60 min Scan# 640

Delta R.T. -0.05 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

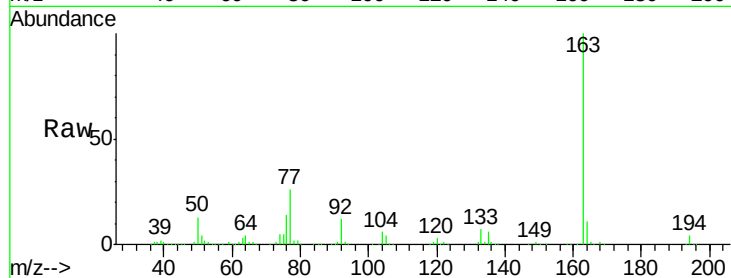
Tgt Ion:163 Resp: 888703

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

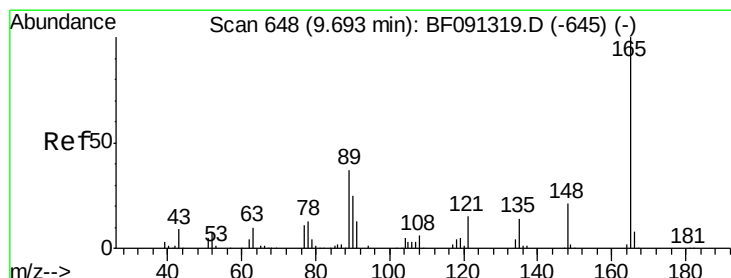
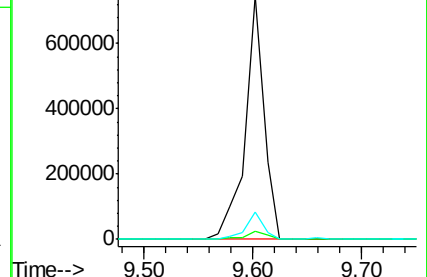
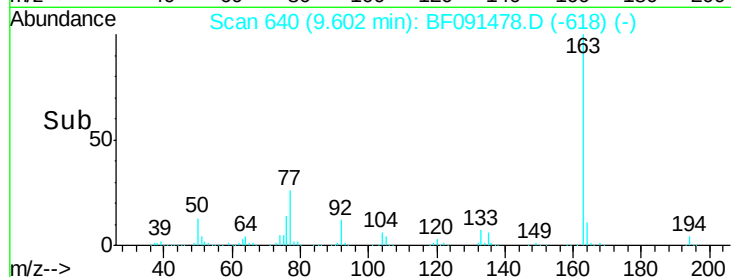
164 11.1 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 36.89 ng

RT: 9.66 min Scan# 645

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

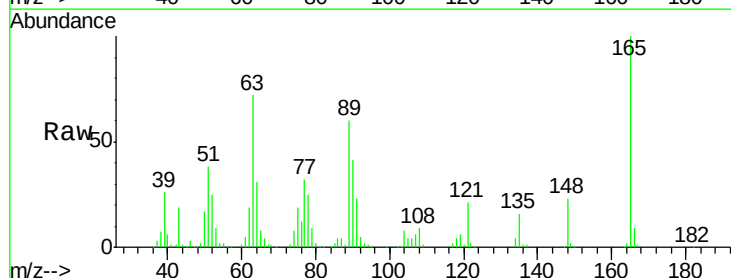
Tgt Ion:165 Resp: 207040

Ion Ratio Lower Upper

165 100

63 72.0 59.4 89.0

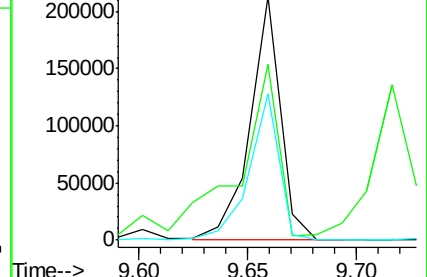
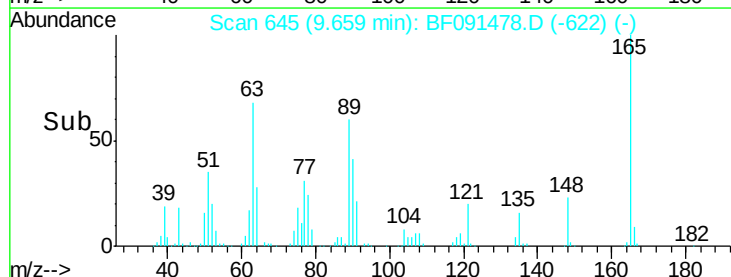
89 60.3 50.8 76.2

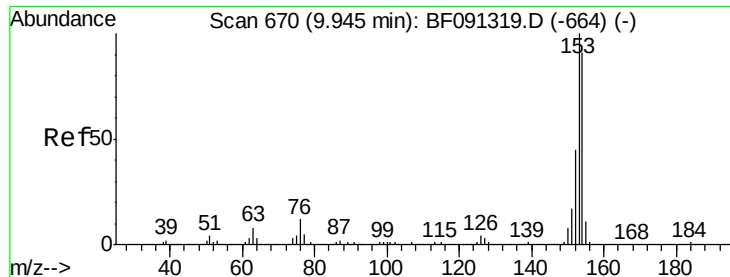


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.57 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

PB95097BS

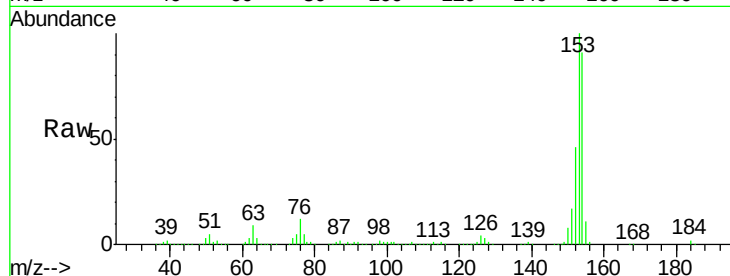
Tgt Ion:154 Resp: 1051022

Ion Ratio Lower Upper

154 100

153 110.1 91.0 136.6

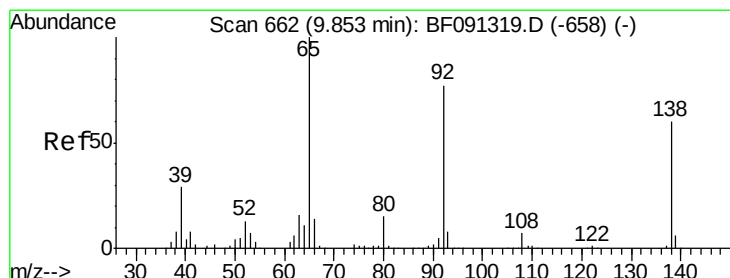
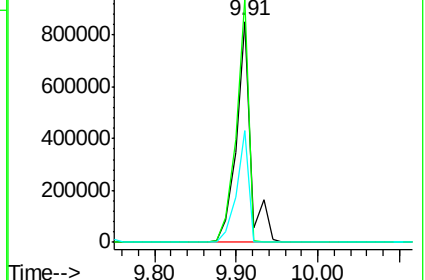
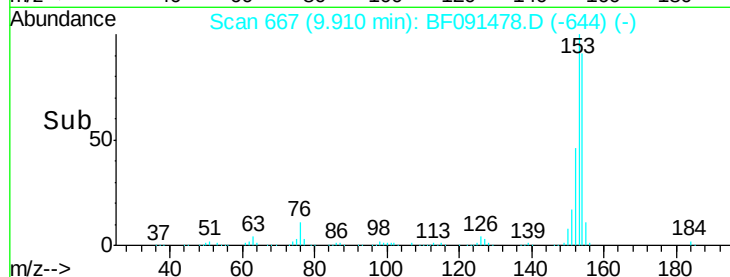
152 50.4 44.2 66.2



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: 19.78 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.04 min

Lab File: BF091478.D

Acq: 7 Dec 2016 19:19

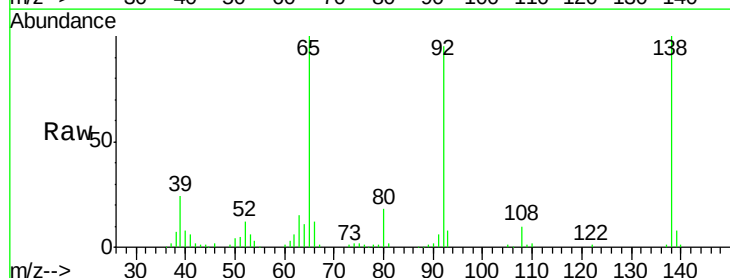
Tgt Ion:138 Resp: 128525

Ion Ratio Lower Upper

138 100

108 9.8 8.1 12.1

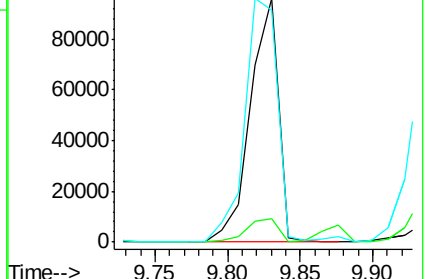
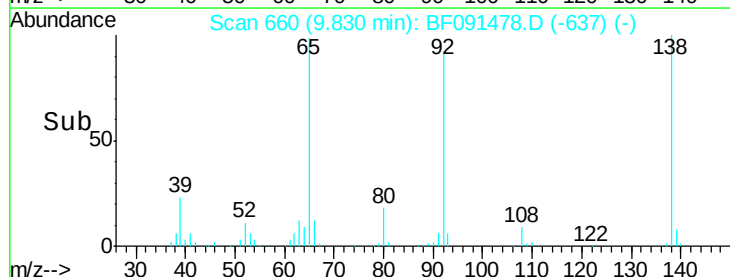
92 95.2 92.5 138.7

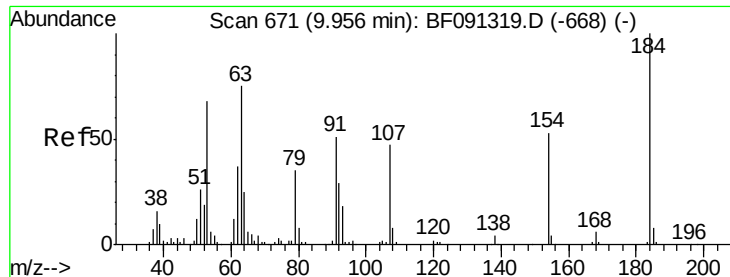


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

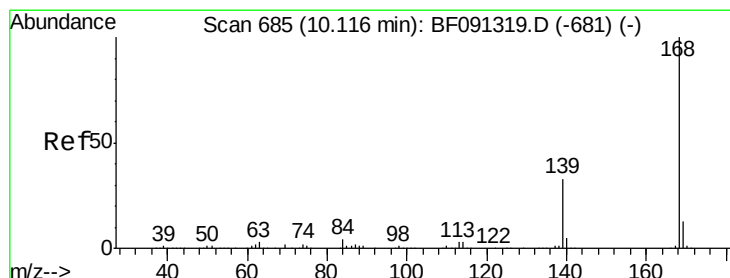
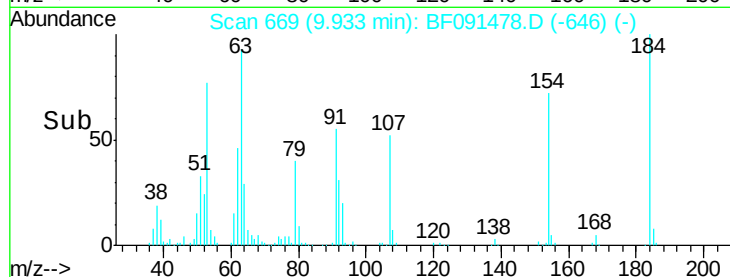
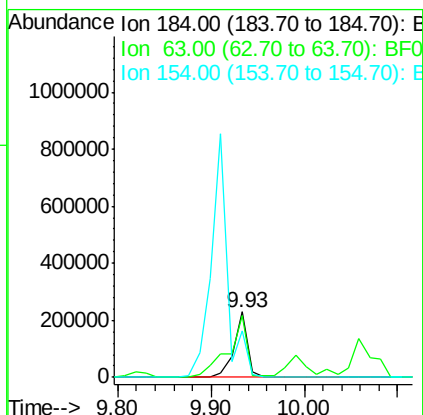
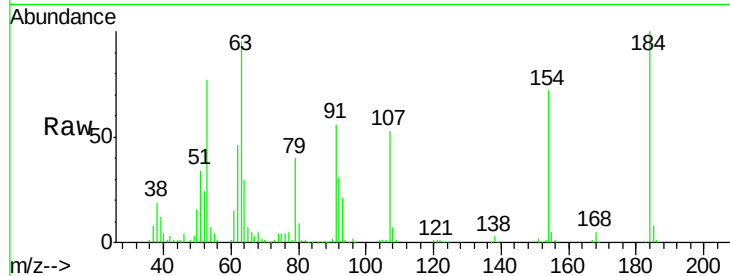




#53
2,4-Dinitrophenol
Concen: 95.88 ng
RT: 9.93 min Scan# 669
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

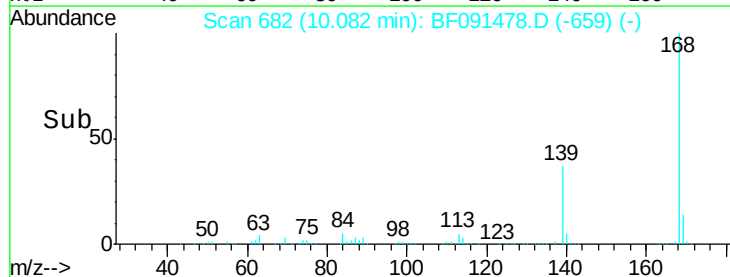
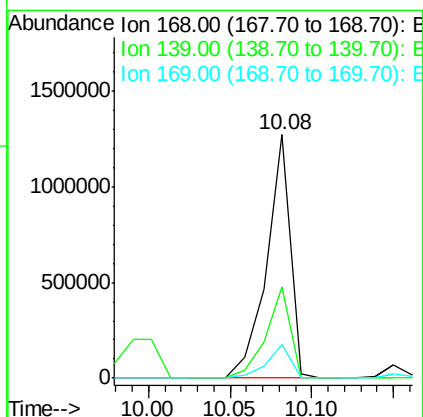
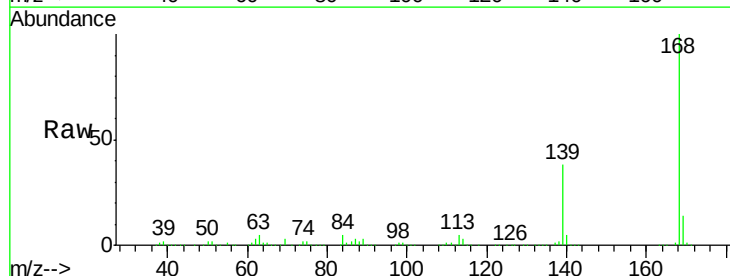
Instrument :
BNA_F
ClientSampleId :
PB95097BS

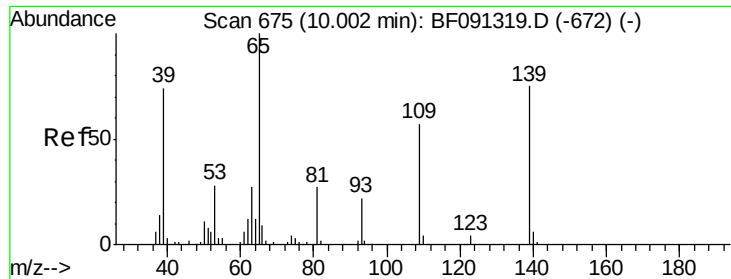
Tgt Ion:184 Resp: 235336
Ion Ratio Lower Upper
184 100
63 94.6 58.3 87.5#
154 72.2 48.6 73.0



#54
Dibenzofuran
Concen: 40.72 ng
RT: 10.08 min Scan# 682
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion:168 Resp: 1285539
Ion Ratio Lower Upper
168 100
139 37.7 33.4 50.2
169 13.6 11.1 16.7

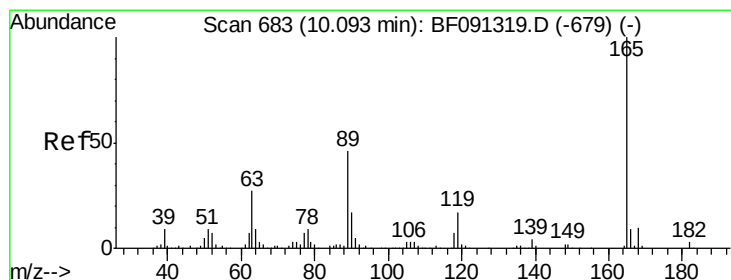
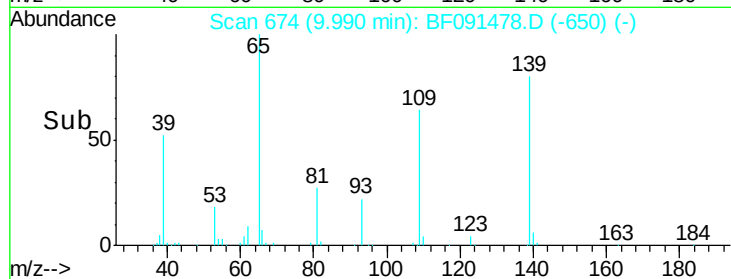
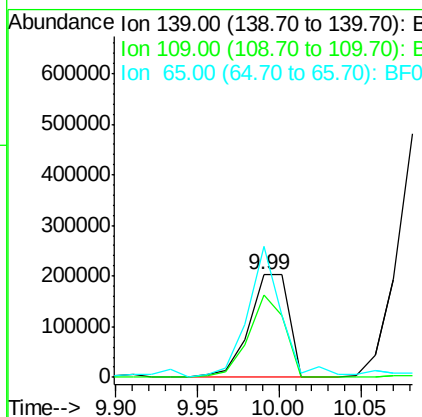
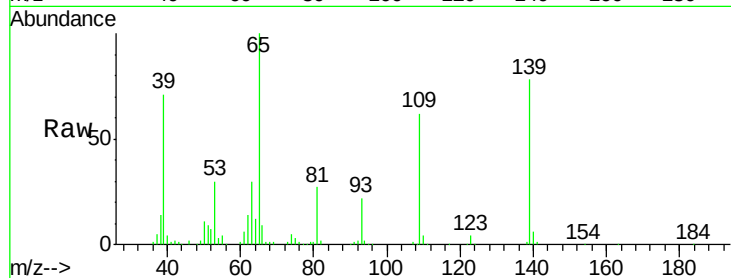




#55
4-Nitrophenol
Concen: 73.30 ng
RT: 9.99 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

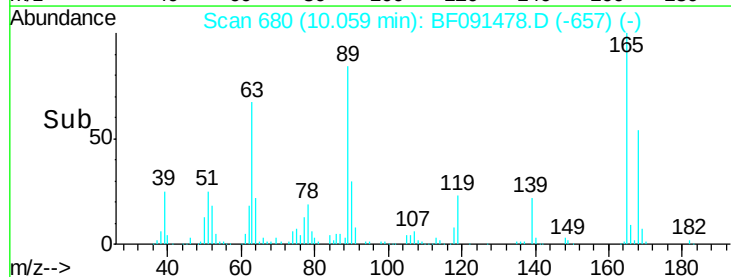
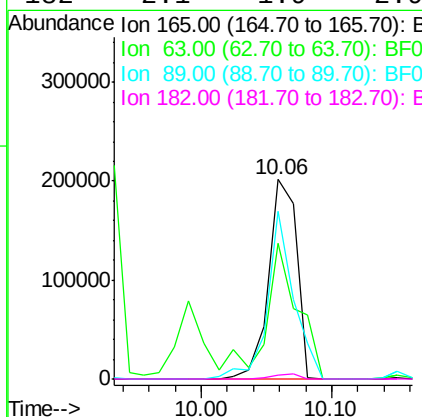
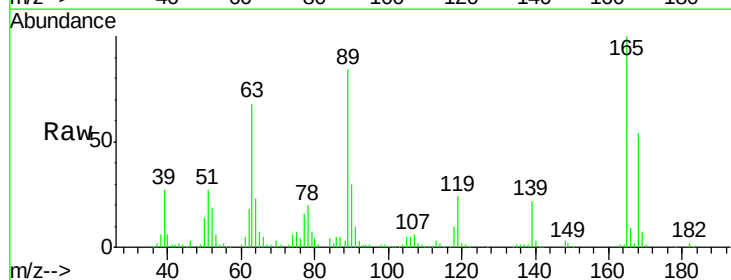
Instrument :
BNA_F
ClientSampleId :
PB95097BS

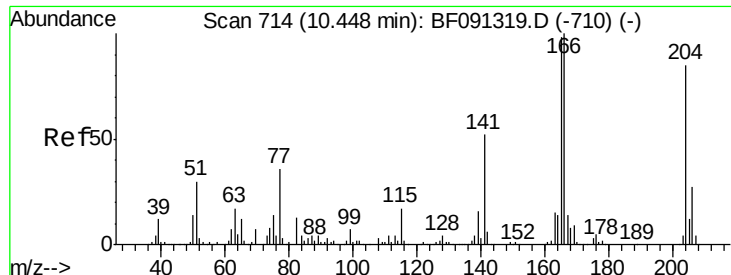
Tgt Ion:139 Resp: 343965
Ion Ratio Lower Upper
139 100
109 80.1 54.9 94.9
65 128.4 102.2 142.2



#56
2,4-Dinitrotoluene
Concen: 41.96 ng
RT: 10.06 min Scan# 680
Delta R.T. -0.04 min
Lab File: BF091478.D
Acq: 7 Dec 2016 19:19

Tgt Ion:165 Resp: 305511
Ion Ratio Lower Upper
165 100
63 68.0 29.0 43.4#
89 83.9 43.1 64.7#
182 2.1 1.9 2.9

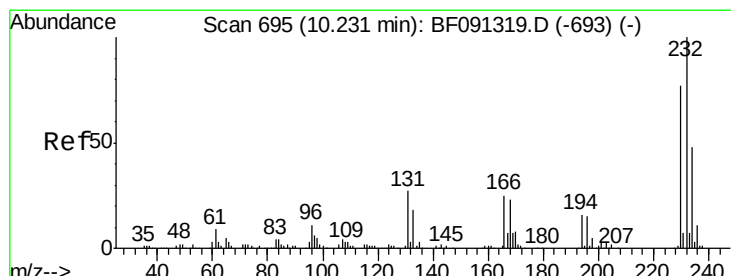
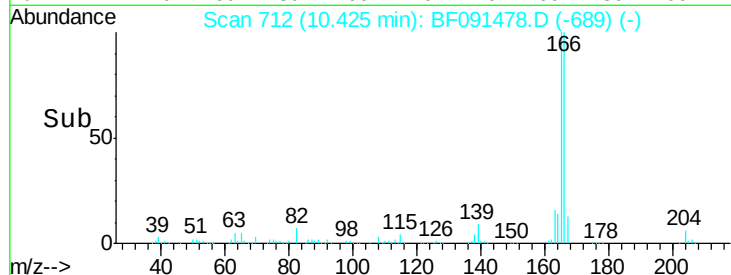
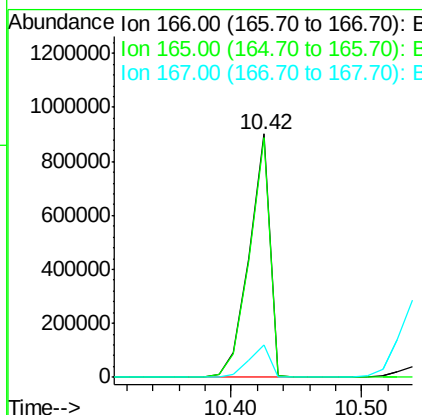
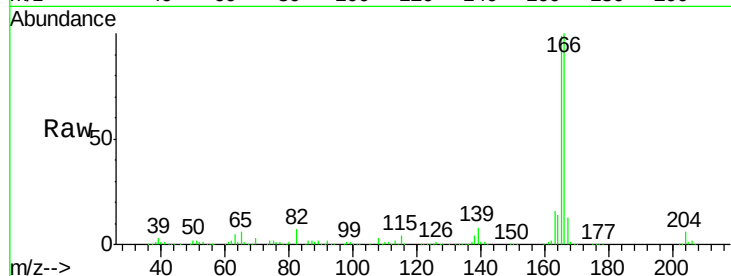




#57
Fluorene
 Concen: 40.86 ng
 RT: 10.42 min Scan# 712
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB95097BS

Tgt Ion:166 Resp: 990558
 Ion Ratio Lower Upper
 166 100
 165 98.7 80.0 120.0
 167 13.4 10.8 16.2



#58
2,3,4,6-Tetrachlorophenol
 Concen: 40.78 ng
 RT: 10.20 min Scan# 692
 Delta R.T. -0.04 min
 Lab File: BF091478.D
 Acq: 7 Dec 2016 19:19

Tgt Ion:232 Resp: 265135
 Ion Ratio Lower Upper
 232 100
 131 47.5 38.4 57.6
 130 2.3 1.8 2.8
 166 32.7 23.9 35.9

