

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092584.D
 Acq On : 27 Jan 2017 19:09
 Operator : SJ/MA
 Sample : PB96383BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Quant Time: Jan 27 22:01:23 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	173213	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	713766	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	405247	20.00	ng	0.01
63) Phenanthrene-d10	11.53	188	661393	20.00	ng	0.00
75) Chrysene-d12	14.18	240	524249	20.00	ng	0.01
86) Perylene-d12	15.65	264	458700	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1375795	123.58	ng	0.06
7) Phenol-d6	6.64	99	1759121	124.05	ng	0.05
23) Nitrobenzene-d5	7.55	82	1145286	87.65	ng	0.01
41) 2,4,6-Tribromophenol	10.84	330	403584	146.14	ng	0.02
44) 2-Fluorobiphenyl	9.36	172	1865536	85.13	ng	0.00
78) Terphenyl-d14	13.12	244	1614264	81.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	191068	32.27	ng	# 84
3) Pyridine	3.47	79	568509	33.73	ng	# 79
4) n-Nitrosodimethylamine	3.44	42	288948	34.94	ng	83
6) Aniline	6.64	93	254623	12.04	ng	# 81
8) 2-Chlorophenol	6.77	128	487355	41.68	ng	88
9) Benzaldehyde	6.52	77	232643	23.12	ng	98
10) Phenol	6.65	94	631314	36.88	ng	# 70
11) bis(2-Chloroethyl)ether	6.72	93	510701	39.88	ng	98
12) 1,3-Dichlorobenzene	7.15	146	523809	37.88	ng	97
13) 1,4-Dichlorobenzene	6.99	146	534382	38.39	ng	98
14) 1,2-Dichlorobenzene	7.15	146	524025	39.68	ng	97
15) Benzyl Alcohol	7.13	79	435416	40.74	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	824414	32.54	ng	63
17) 2-Methylphenol	7.25	107	420794	42.11	ng	# 91
18) Hexachloroethane	7.49	117	190225	39.67	ng	92
19) n-Nitroso-di-n-propylamine	7.39	70	355943	36.86	ng	91
20) 3+4-Methylphenols	7.40	107	549262	45.31	ng	# 74
22) Acetophenone	7.39	105	723935	42.58	ng	# 98
24) Nitrobenzene	7.56	77	507839	37.10	ng	100
25) Isophorone	7.80	82	989473	38.43	ng	95
26) 2-Nitrophenol	7.88	139	268779	46.86	ng	96
27) 2,4-Dimethylphenol	7.93	122	469904	39.39	ng	98
28) bis(2-Chloroethoxy)methane	8.02	93	682948	40.41	ng	99
29) 2,4-Dichlorophenol	8.13	162	456472	44.13	ng	92
30) 1,2,4-Trichlorobenzene	8.21	180	463916	41.50	ng	99
31) Naphthalene	8.29	128	1454208	39.81	ng	99
32) Benzoic acid	8.06	122	323143	37.39	ng	98
33) 4-Chloroaniline	8.34	127	102290	6.62	ng	96
34) Hexachlorobutadiene	8.41	225	245172	40.10	ng	98
35) Caprolactam	8.73	113	106314	30.78	ng	# 29
36) 4-Chloro-3-methylphenol	8.84	107	481056	43.13	ng	96
37) 2-Methylnaphthalene	8.99	142	1004034	43.41	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	447186	43.75	ng	99
40) Hexachlorocyclopentadiene	9.14	237	381750	74.57	ng	96

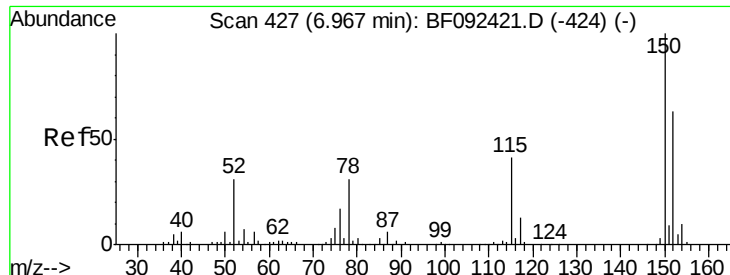
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	337662	43.11	ng	92
43) 2,4,5-Trichlorophenol	9.32	196	320745	44.76	ng	92
45) 1,1'-Biphenyl	9.46	154	1290048	44.04	ng	98
46) 2-Chloronaphthalene	9.48	162	912801	38.15	ng	97
47) 2-Nitroaniline	9.58	65	337835	41.93	ng	97
48) Acenaphthylene	9.90	152	1584176	45.14	ng	99
49) Dimethylphthalate	9.77	163	1218628	47.29	ng	99
50) 2,6-Dinitrotoluene	9.82	165	244173	46.36	ng	# 83
51) Acenaphthene	10.08	154	1034850	47.46	ng	95
52) 3-Nitroaniline	10.00	138	96456	14.62	ng	94
53) 2,4-Dinitrophenol	10.11	184	228432	70.56	ng	92
54) Dibenzofuran	10.25	168	1320421	44.59	ng	96
55) 4-Nitrophenol	10.19	139	425524	81.22	ng	# 74
56) 2,4-Dinitrotoluene	10.24	165	380212	54.38	ng	# 78
57) Fluorene	10.59	166	983677	44.80	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	274900	51.20	ng	95
59) Diethylphthalate	10.46	149	1104058	44.68	ng	98
60) 4-Chlorophenyl-phenylether	10.58	204	456421	42.86	ng	90
61) 4-Nitroaniline	10.62	138	285039	43.20	ng	92
62) Azobenzene	10.74	77	1204647	42.84	ng	96
64) 4,6-Dinitro-2-methylphenol	10.65	198	172214	48.29	ng	90
65) n-Nitrosodiphenylamine	10.70	169	930689	45.06	ng	100
66) 4-Bromophenyl-phenylether	11.07	248	274888	41.16	ng	98
67) Hexachlorobenzene	11.14	284	294334	43.60	ng	96
68) Atrazine	11.24	200	317528	44.91	ng	91
69) Pentachlorophenol	11.34	266	311685	72.22	ng	97
70) Phenanthrene	11.56	178	1577630	43.31	ng	97
71) Anthracene	11.61	178	1543082	43.35	ng	99
72) Carbazole	11.77	167	1428171	42.02	ng	99
73) Di-n-butylphthalate	12.09	149	1685996	43.38	ng	98
74) Fluoranthene	12.75	202	1676928	47.07	ng	91
76) Benzidine	12.87	184	415835	21.37	ng	96
77) Pyrene	12.98	202	1681620	44.27	ng	99
79) Butylbenzylphthalate	13.59	149	710321	46.16	ng	99
80) Benzo(a)anthracene	14.16	228	1359569	48.25	ng	99
81) 3,3'-Dichlorobenzidine	14.12	252	292482	27.34	ng	97
82) Chrysene	14.20	228	1282102	42.61	ng	99
83) Bis(2-ethylhexyl)phthalate	14.15	149	1017309	52.49	ng	# 96
84) Di-n-octyl phthalate	14.76	149	1809277	51.42	ng	99
85) Indeno(1,2,3-cd)pyrene	17.16	276	1071107	48.11	ng	95
87) Benzo(b)fluoranthene	15.25	252	2318721	78.74	ng	99
88) Benzo(k)fluoranthene	15.25	252	2318721	94.69	ng	98
89) Benzo(a)pyrene	15.60	252	1105253	44.37	ng	98
90) Dibenzo(a,h)anthracene	17.19	278	888152	44.09	ng	99
91) Benzo(g,h,i)perylene	17.62	276	903128	44.33	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

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PB96383BS

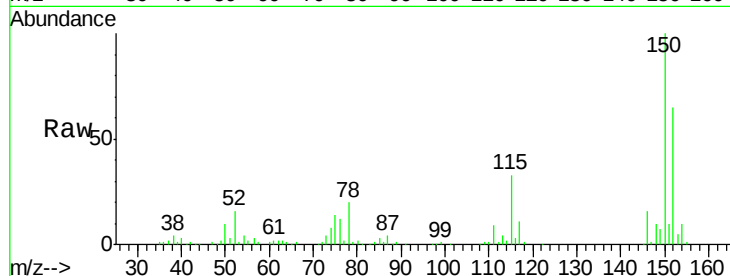
Tgt Ion:152 Resp: 173213

Ion Ratio Lower Upper

152 100

150 153.3 124.9 187.3

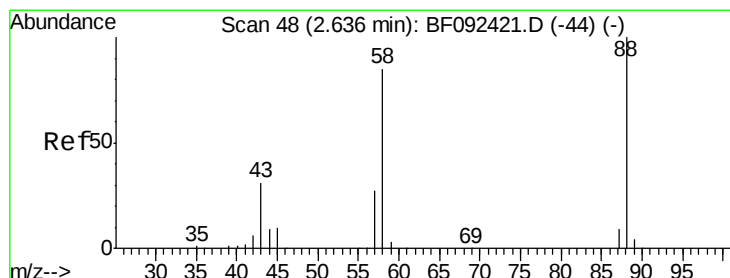
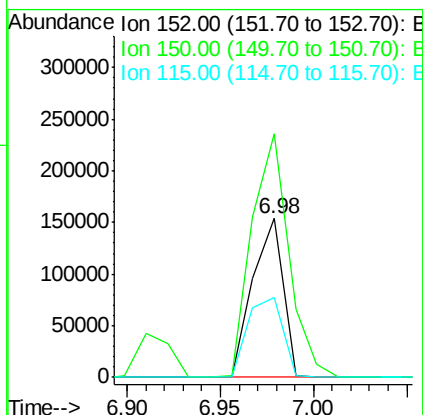
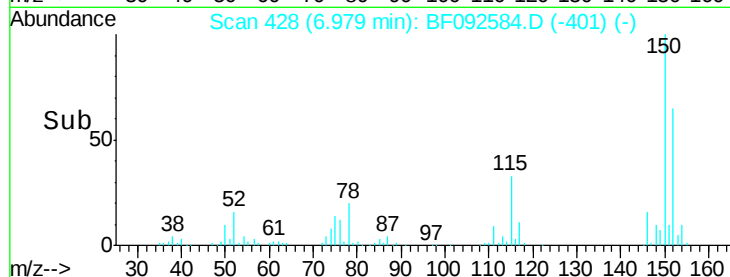
115 50.3 46.0 69.0



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: 32.27 ng

RT: 2.70 min Scan# 54

Delta R.T. 0.07 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

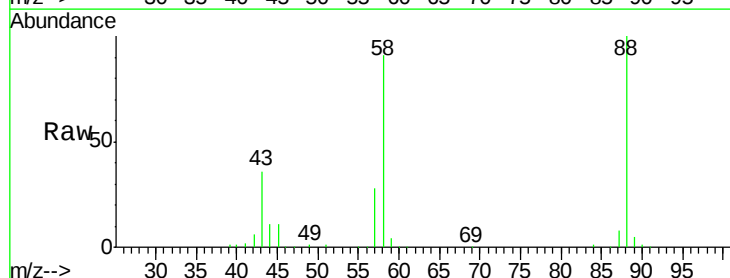
Tgt Ion: 88 Resp: 191068

Ion Ratio Lower Upper

88 100

58 87.7 57.8 86.8#

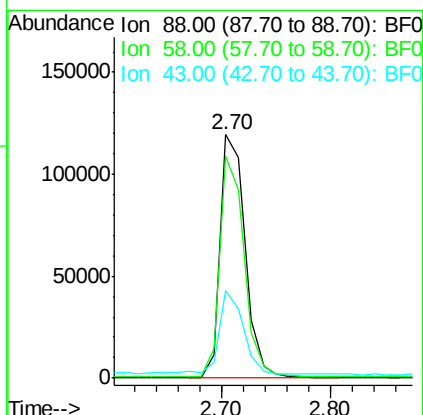
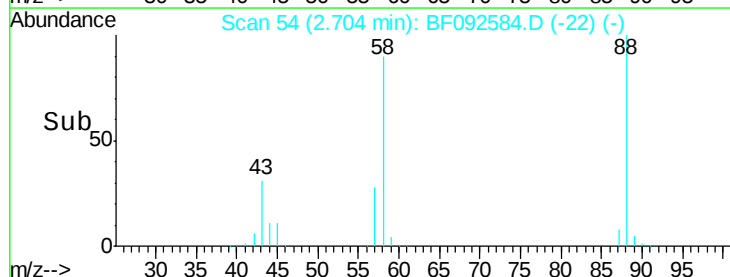
43 33.5 22.3 33.5#

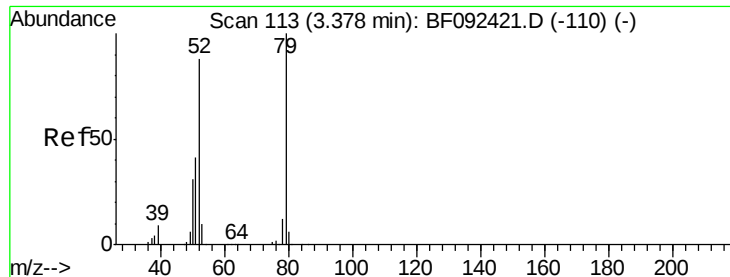


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 33.73 ng

RT: 3.47 min Scan# 121

Delta R.T. 0.09 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

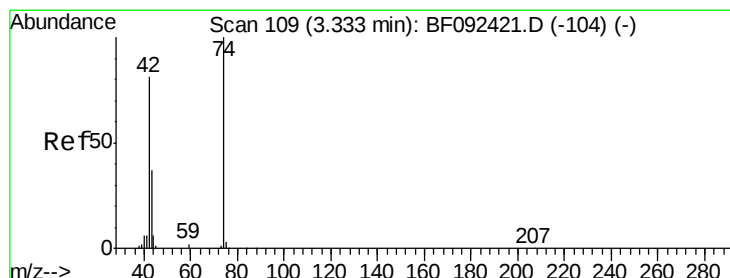
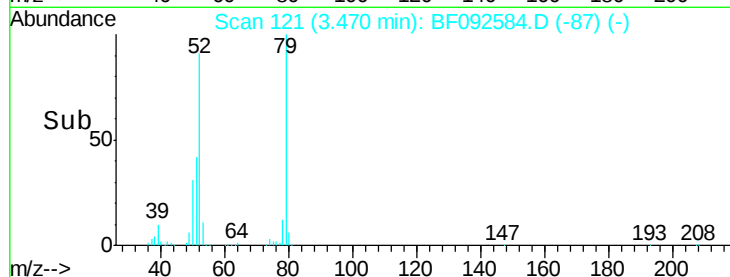
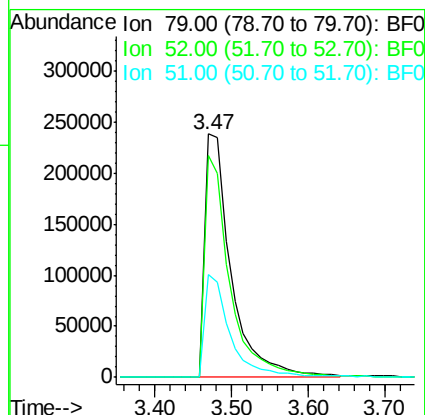
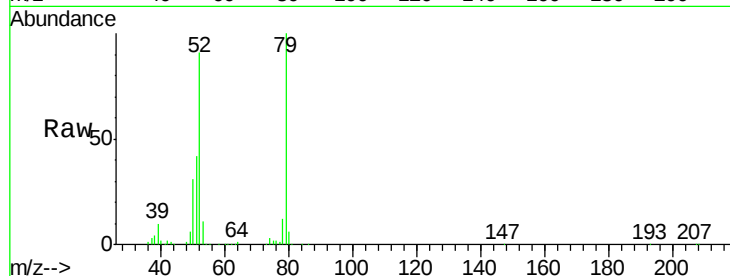
Tgt Ion: 79 Resp: 568509

Ion Ratio Lower Upper

79 100

52 91.2 57.1 85.7#

51 42.4 27.3 40.9#



#4

n-Nitrosodimethylamine

Concen: 34.94 ng

RT: 3.44 min Scan# 118

Delta R.T. 0.10 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

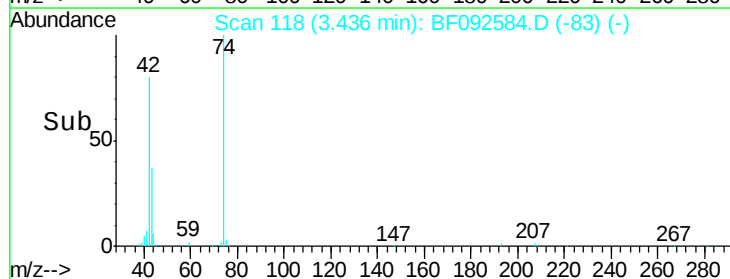
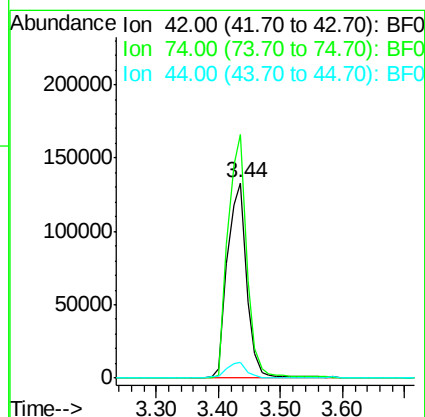
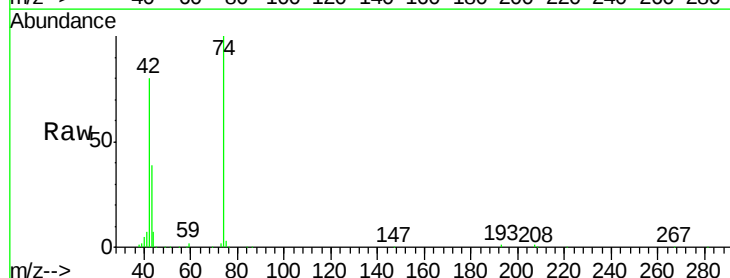
Tgt Ion: 42 Resp: 288948

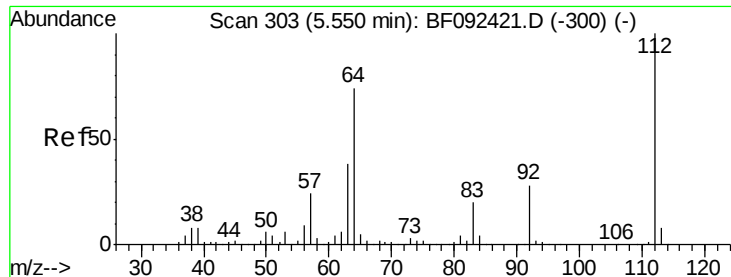
Ion Ratio Lower Upper

42 100

74 124.6 117.0 175.4

44 8.2 5.5 8.3





#5

2-Fluorophenol

Concen: 123.58 ng

RT: 5.61 min Scan# 308

Delta R.T. 0.06 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

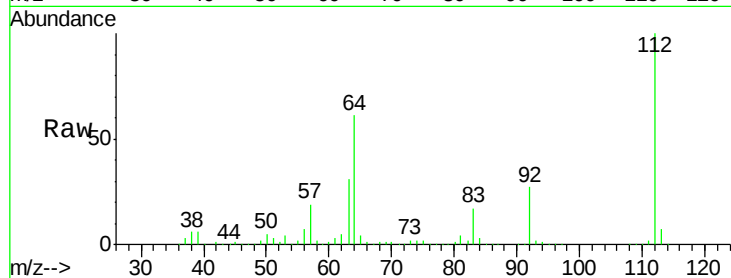
Tgt Ion: 112 Resp: 1375795

Ion Ratio Lower Upper

112 100

64 61.1 46.1 69.1

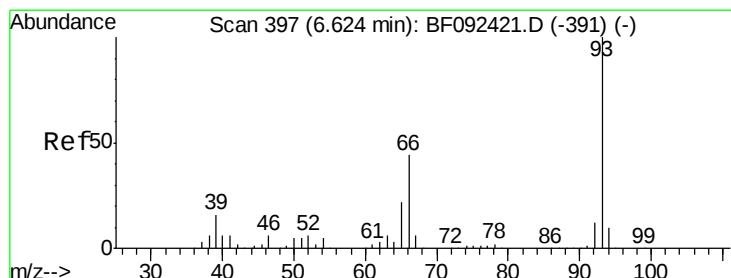
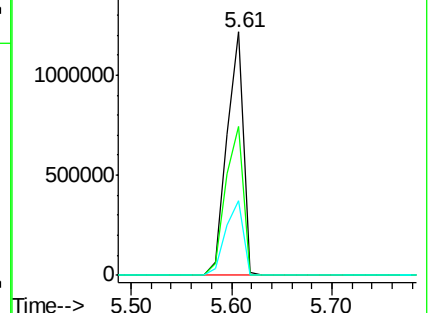
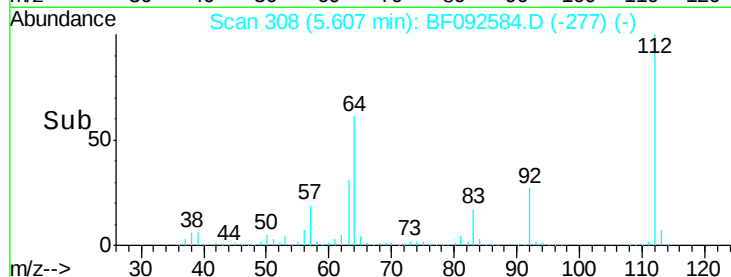
63 30.8 23.8 35.6



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: 12.04 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

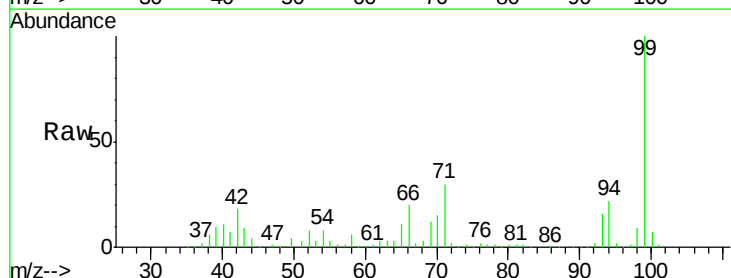
Tgt Ion: 93 Resp: 254623

Ion Ratio Lower Upper

93 100

66 121.8 76.2 114.2#

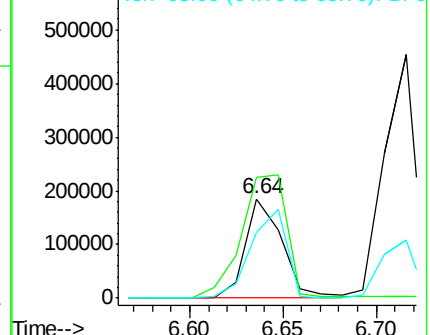
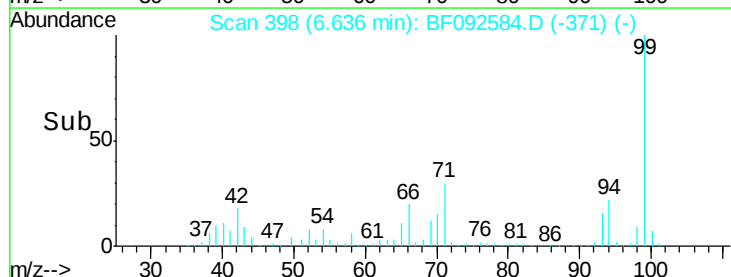
65 66.5 49.3 73.9

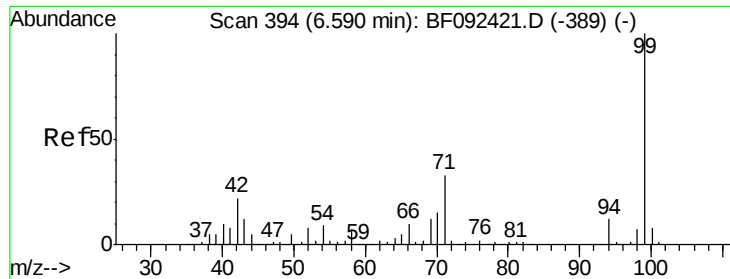


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.05 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.05 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampled :

PB96383BS

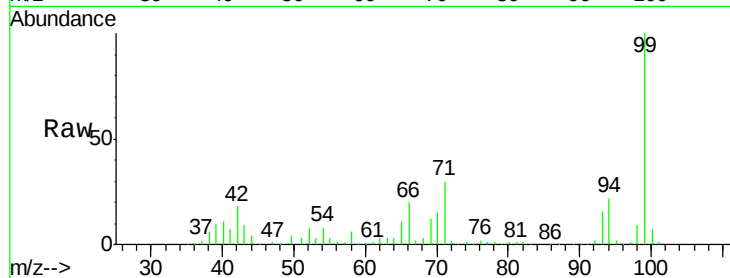
Tgt Ion: 99 Resp: 1759121

Ion Ratio Lower Upper

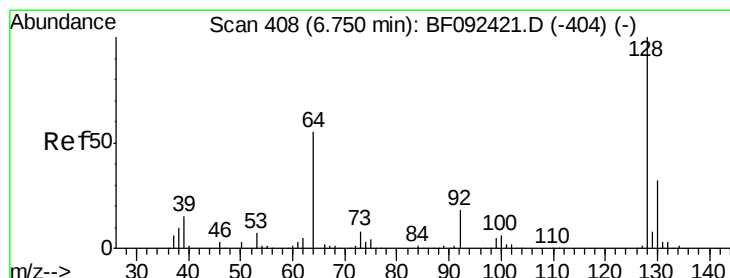
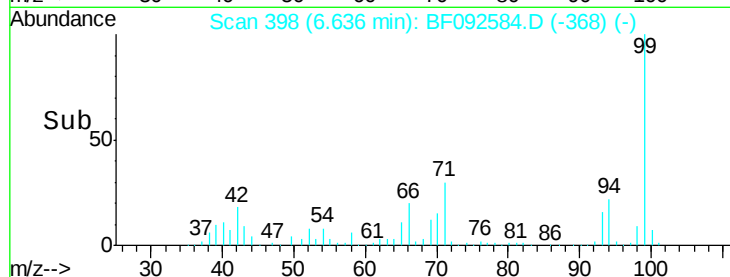
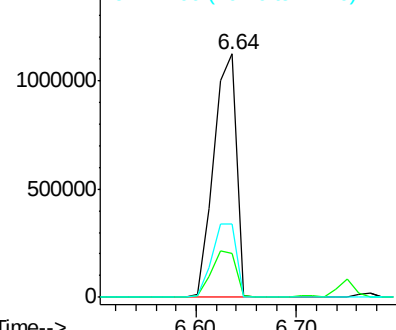
99 100

42 17.9 15.6 23.4

71 30.3 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: 41.68 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.02 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

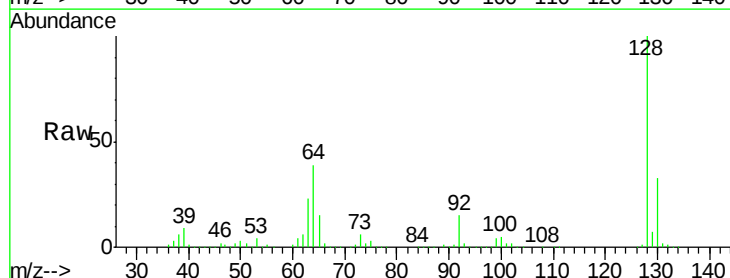
Tgt Ion: 128 Resp: 487355

Ion Ratio Lower Upper

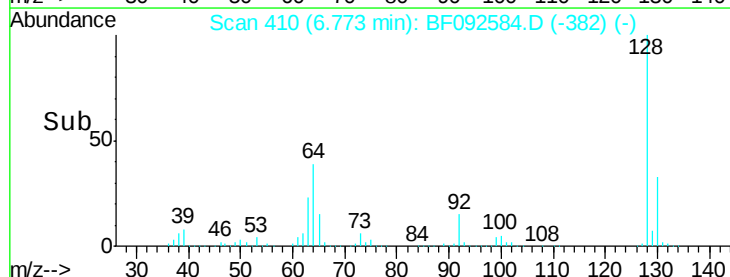
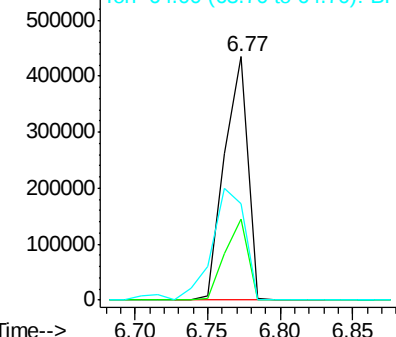
128 100

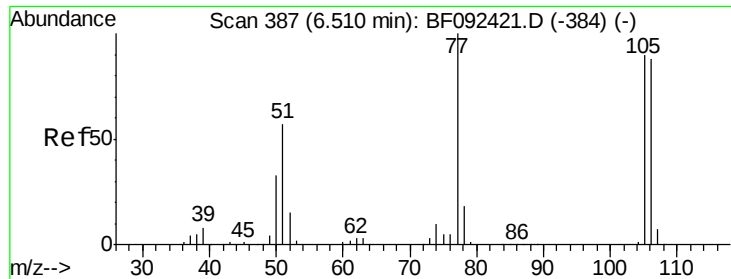
130 33.2 12.3 52.3

64 39.4 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: 23.12 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

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ClientSampleId :

PB96383BS

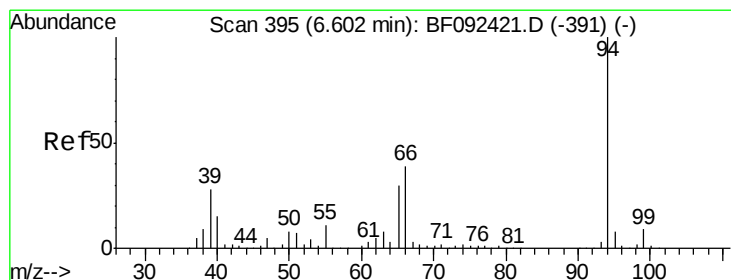
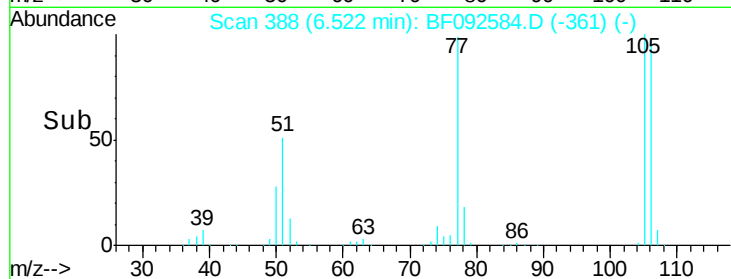
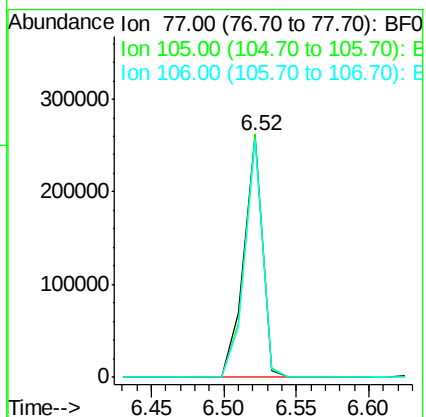
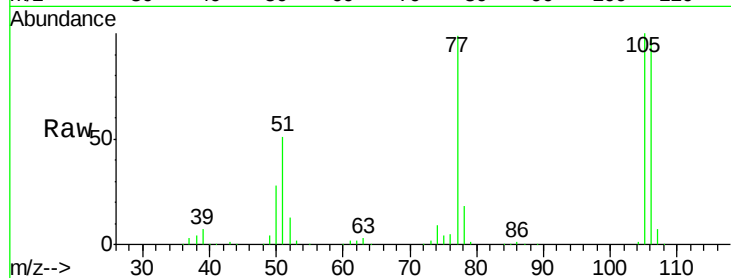
Tgt Ion: 77 Resp: 232643

Ion Ratio Lower Upper

77 100

105 100.5 83.9 123.9

106 97.8 77.6 117.6



#10

Phenol

Concen: 36.88 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.05 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

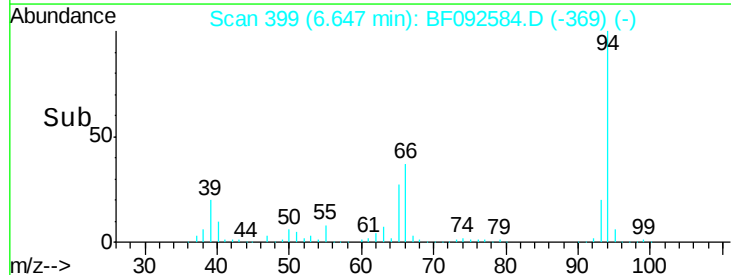
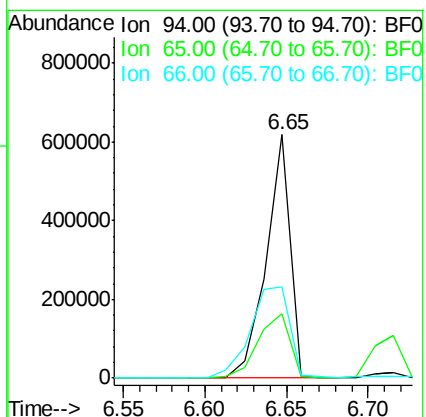
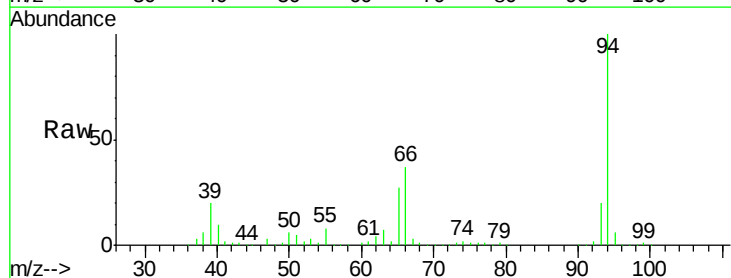
Tgt Ion: 94 Resp: 631314

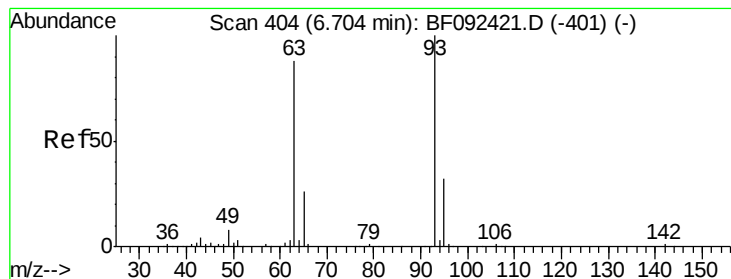
Ion Ratio Lower Upper

94 100

65 26.7 21.4 61.4

66 37.3 44.0 84.0#





#11

bis(2-Chloroethyl)ether

Concen: 39.88 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

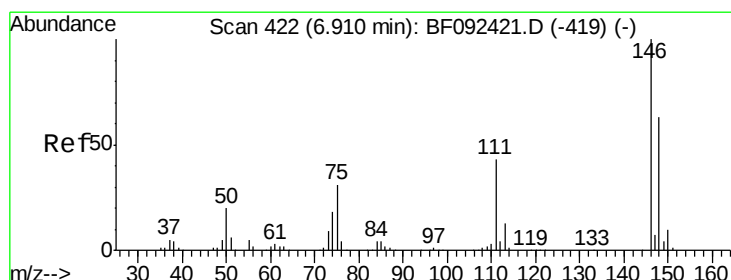
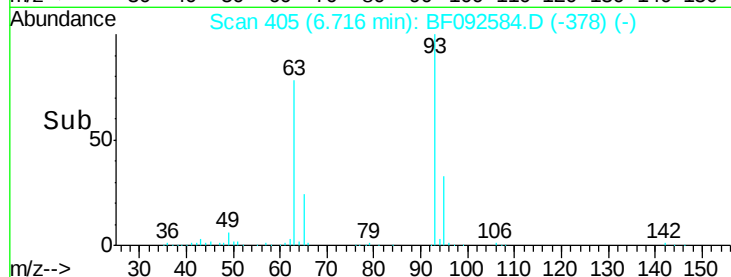
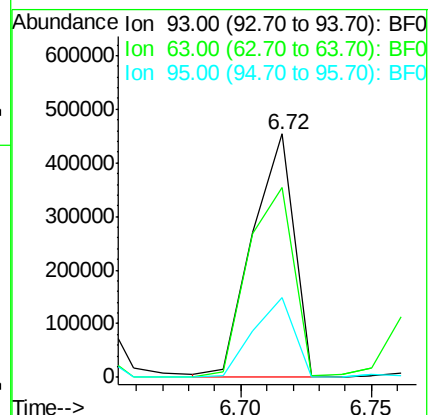
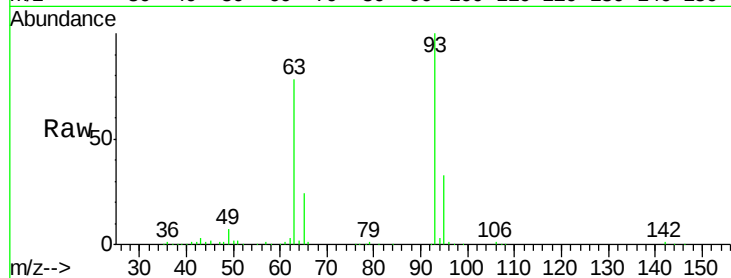
Tgt Ion: 93 Resp: 510701

Ion Ratio Lower Upper

93 100

63 77.8 60.4 100.4

95 32.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 37.88 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.24 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

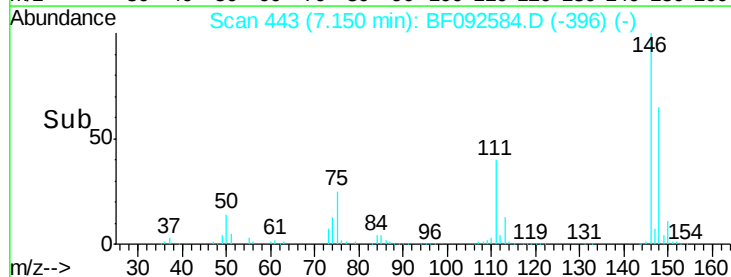
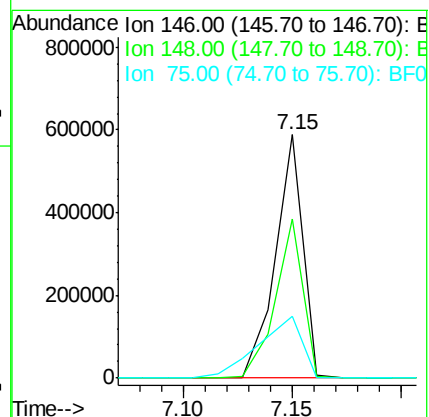
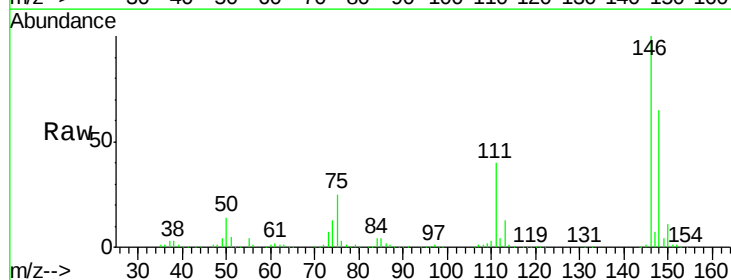
Tgt Ion: 146 Resp: 523809

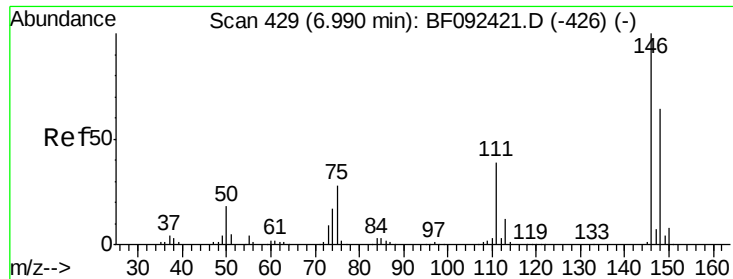
Ion Ratio Lower Upper

146 100

148 65.2 53.4 80.0

75 25.3 18.5 27.7

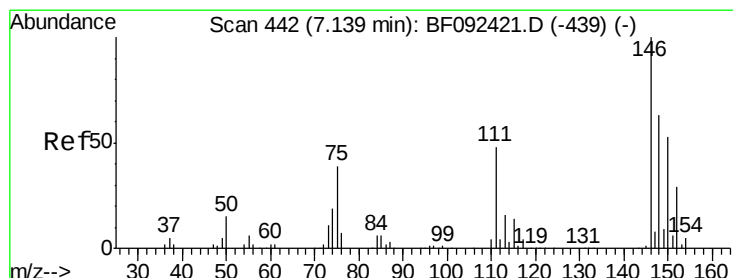
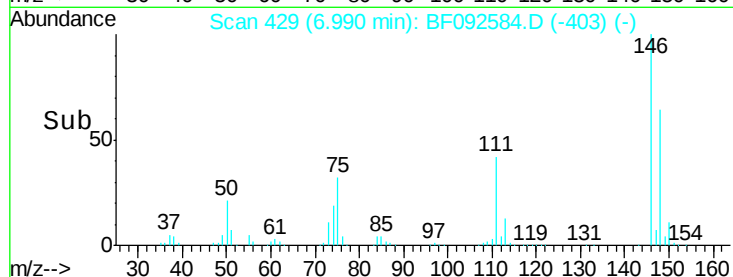
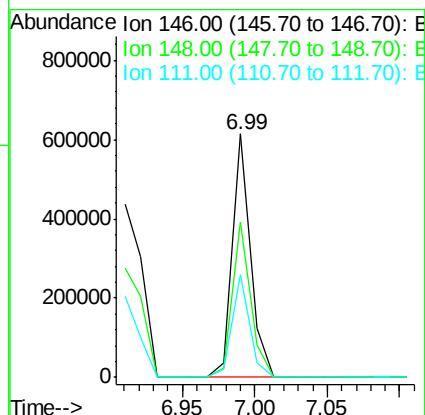
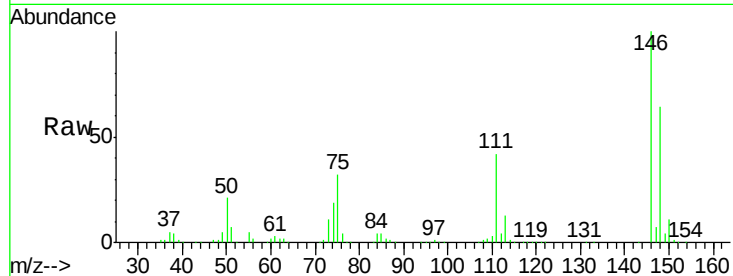




#13
 1,4-Dichlorobenzene
 Concen: 38.39 ng
 RT: 6.99 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

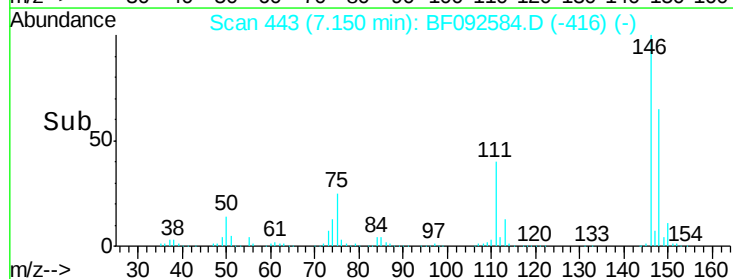
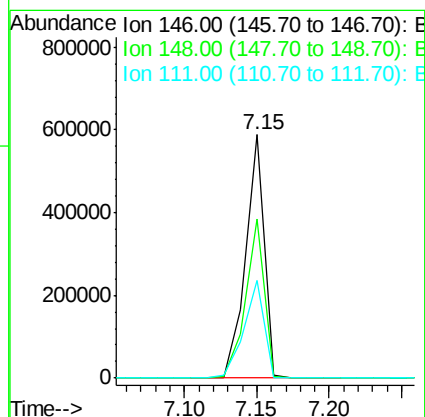
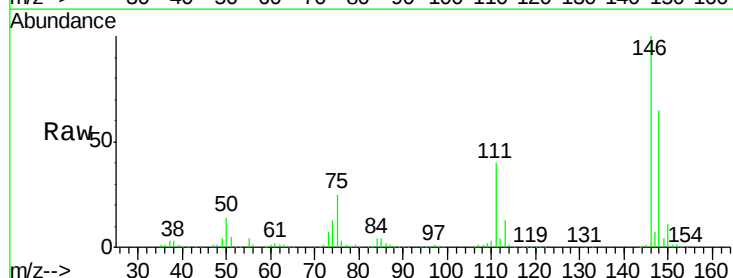
Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion:146 Resp: 534382
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.6 76.0
 111 42.4 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 39.68 ng
 RT: 7.15 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:146 Resp: 524025
 Ion Ratio Lower Upper
 146 100
 148 65.2 52.2 78.2
 111 40.1 36.2 54.2





#15

Benzyl Alcohol

Concen: 40.74 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

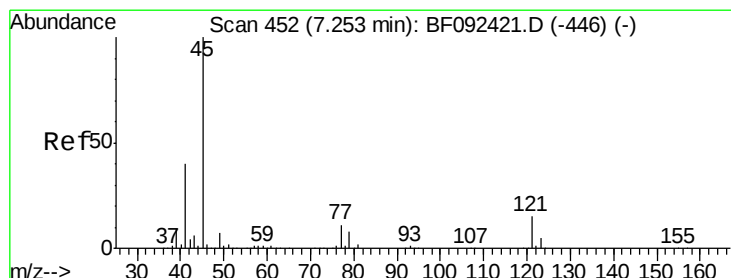
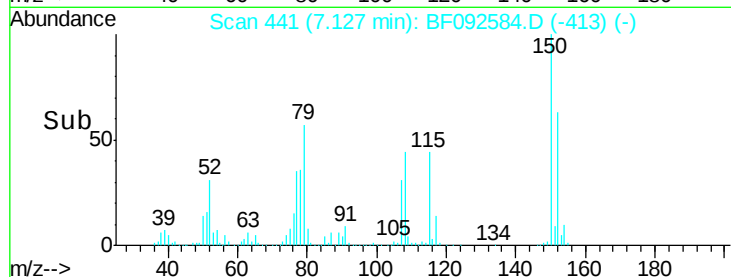
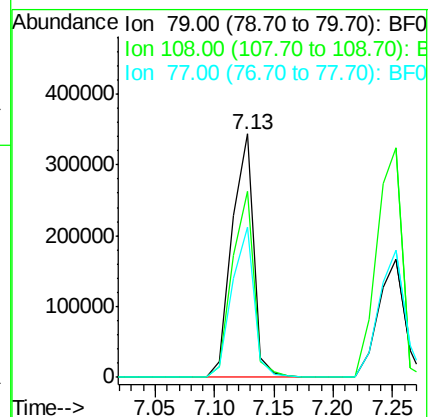
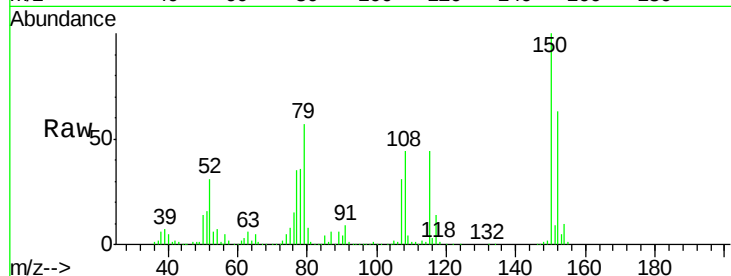
Tgt Ion: 79 Resp: 435416

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

77 61.7 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.54 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

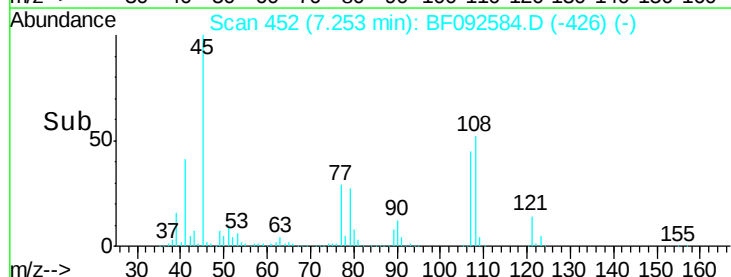
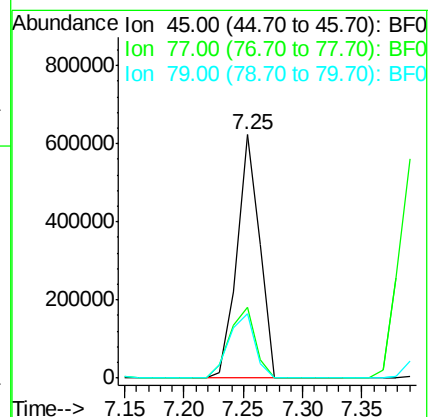
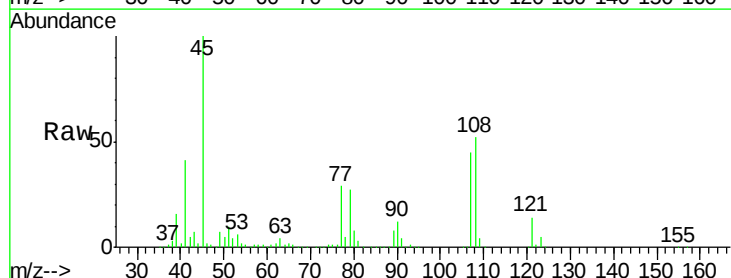
Tgt Ion: 45 Resp: 824414

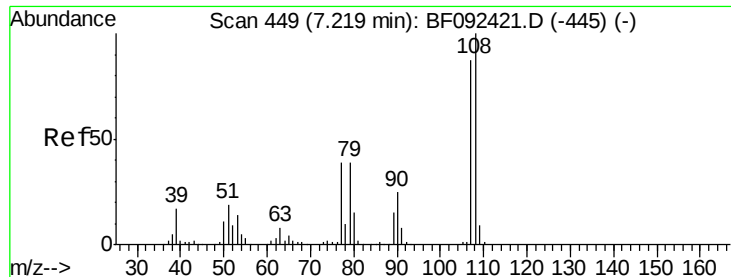
Ion Ratio Lower Upper

45 100

77 28.8 0.0 34.6

79 26.7 0.0 31.2

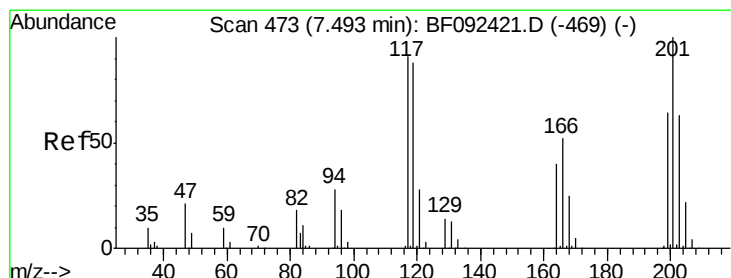
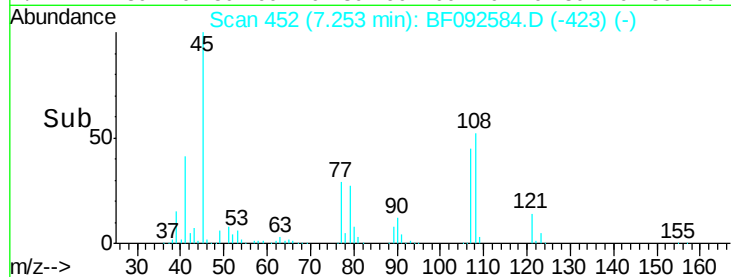
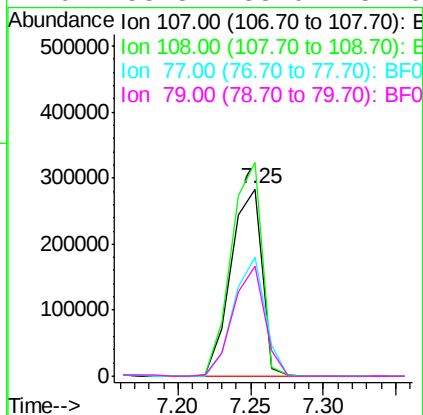
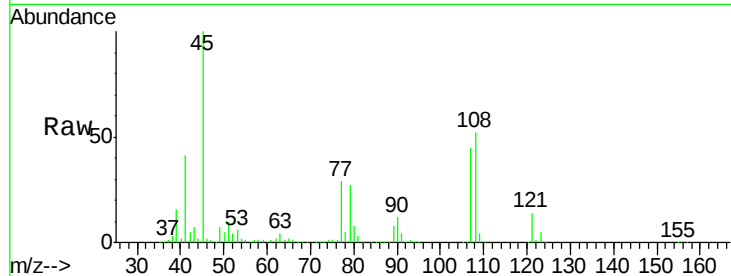




#17
2-Methylphenol
Concen: 42.11 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.03 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

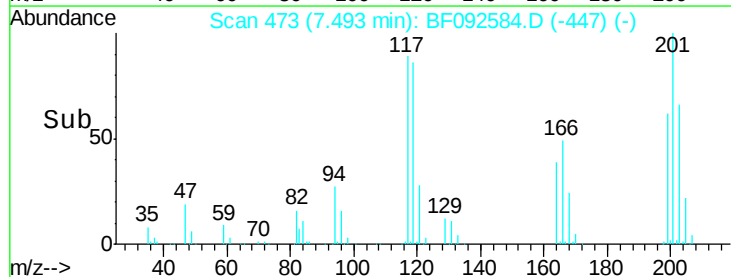
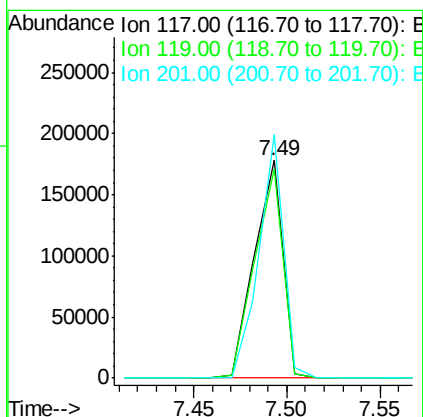
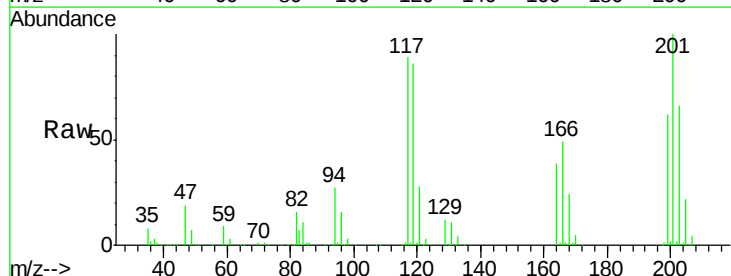
Instrument :
BNA_F
ClientSampleId :
PB96383BS

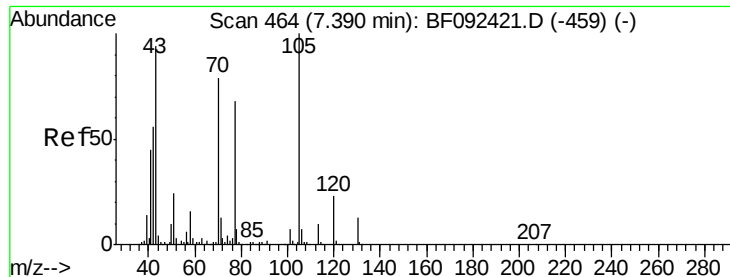
Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.2	93.0	139.6
77	63.4	39.8	59.8
79	58.8	38.0	57.0



#18
Hexachloroethane
Concen: 39.67 ng
RT: 7.49 min Scan# 473
Delta R.T. -0.00 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.1	117.1
201	111.9	78.6	117.8

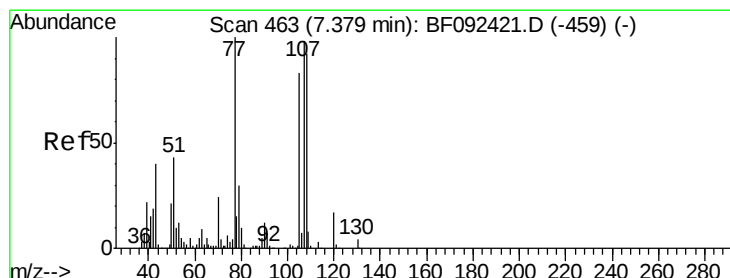
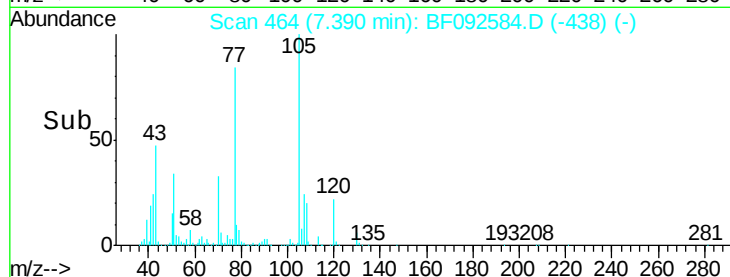
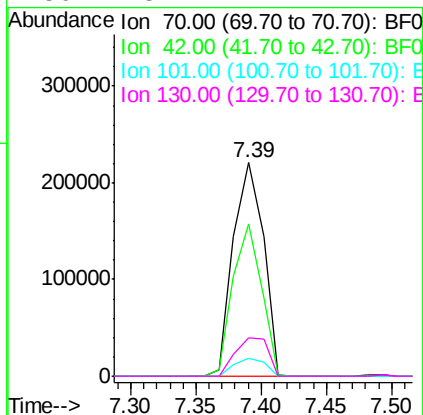
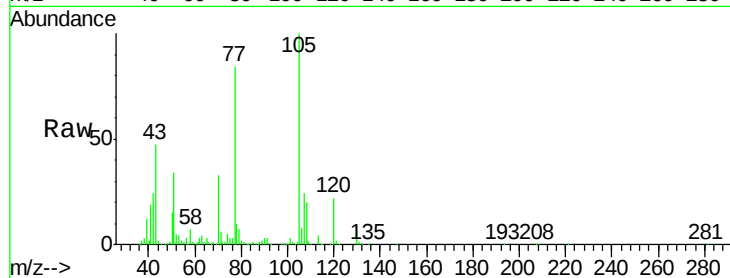




#19
n-Nitroso-di-n-propylamine
Concen: 36.86 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

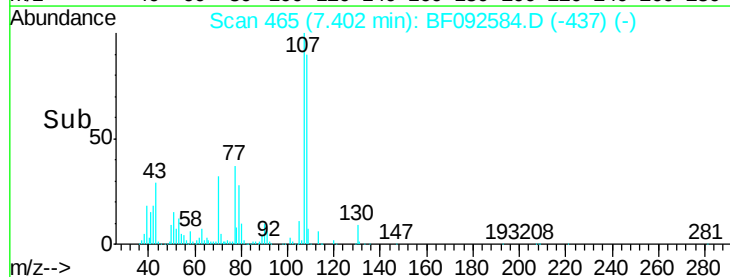
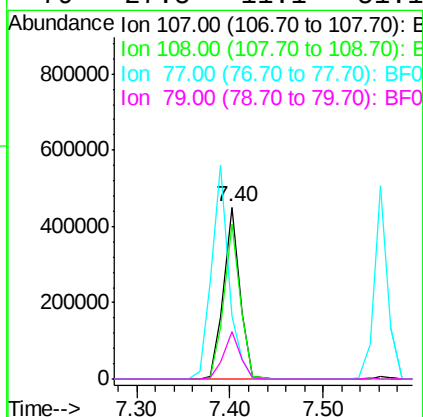
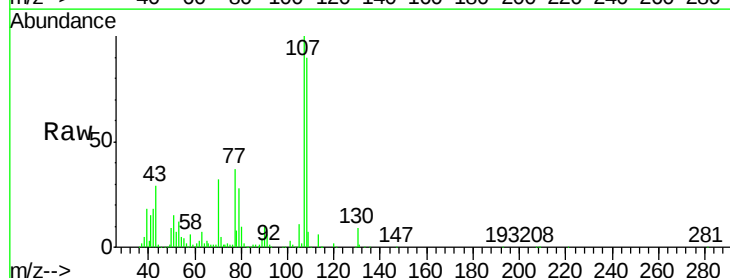
Instrument :
BNA_F
ClientSampleId :
PB96383BS

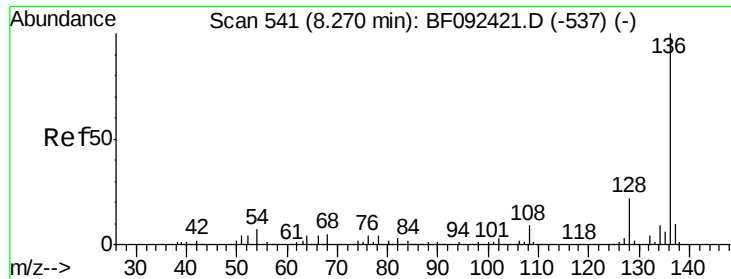
Tgt Ion: 70 Resp: 355943
Ion Ratio Lower Upper
70 100
42 71.5 49.4 74.0
101 8.6 7.4 11.2
130 18.1 14.2 21.4



#20
3+4-Methylphenols
Concen: 45.31 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.02 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Tgt Ion: 107 Resp: 549262
Ion Ratio Lower Upper
107 100
108 90.4 73.0 113.0
77 36.7 71.3 111.3#
79 27.5 11.1 51.1

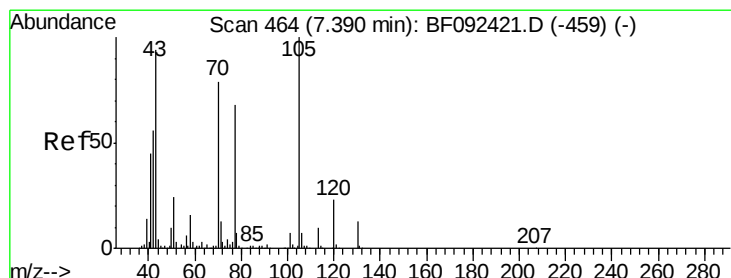
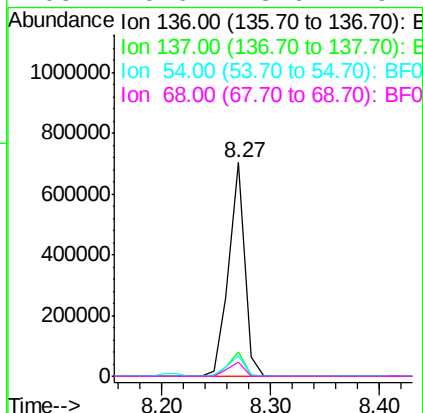
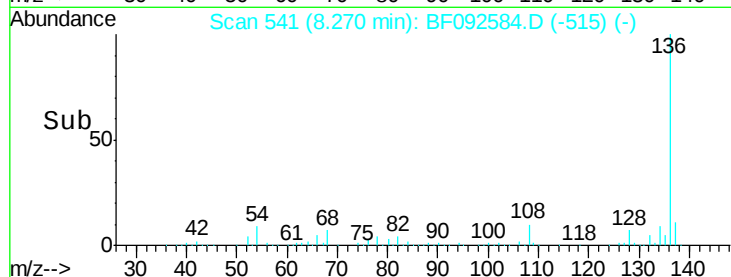
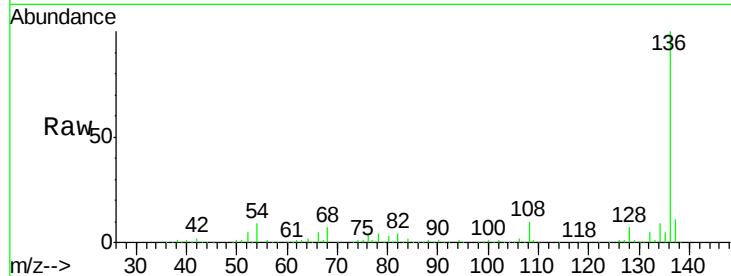




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

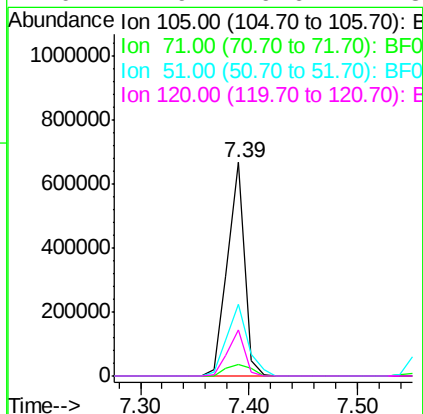
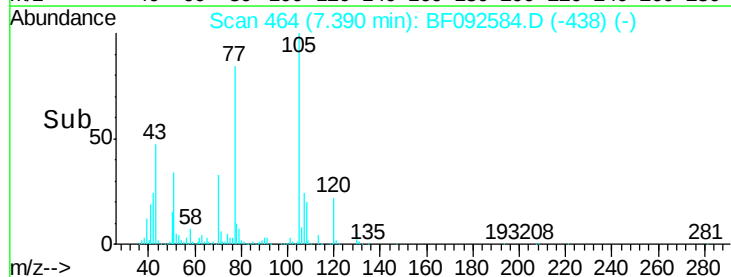
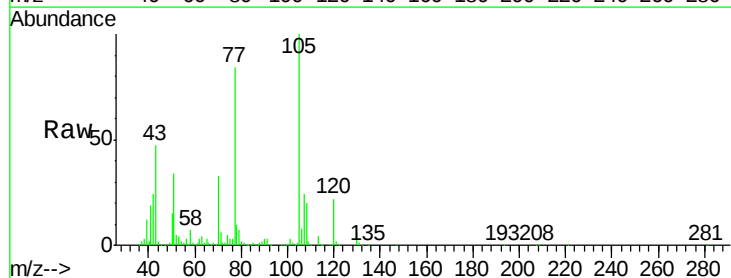
Instrument :
BNA_F
ClientSampleId :
PB96383BS

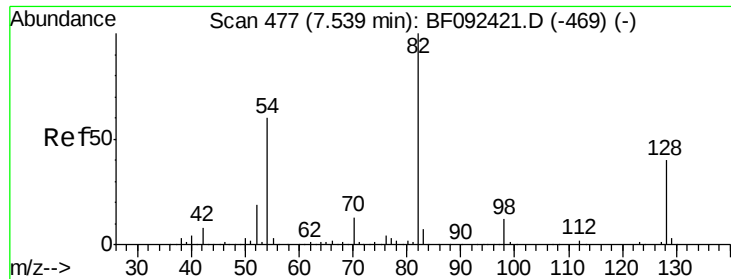
Tgt Ion:	136	Resp:	713766
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	9.4	4.5	6.7#
68	6.6	3.6	5.4#



#22
Acetophenone
Concen: 42.58 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Tgt Ion:	105	Resp:	723935
Ion	Ratio	Lower	Upper
105	100		
71	5.5	3.2	4.8#
51	33.8	26.2	39.4
120	21.9	16.6	24.8

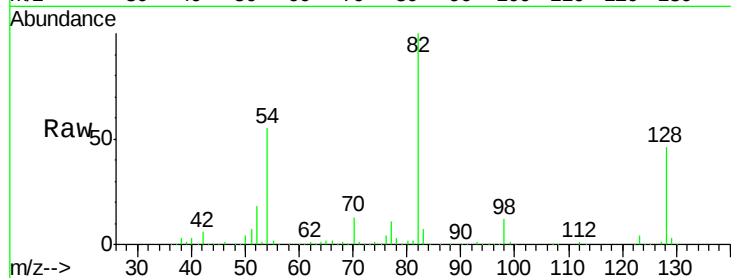




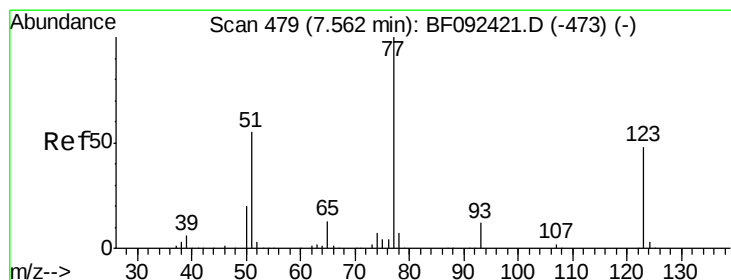
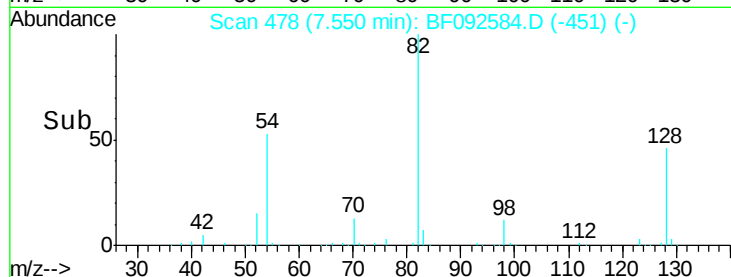
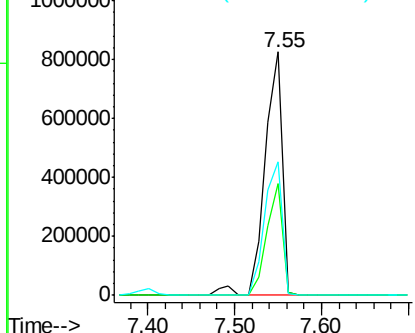
#23
 Nitrobenzene-d5
 Concen: 87.65 ng
 RT: 7.55 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion: 82 Resp: 1145286
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.6 52.0
 54 54.8 39.5 59.3

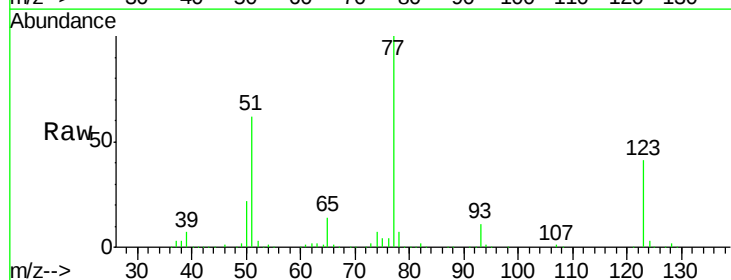


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

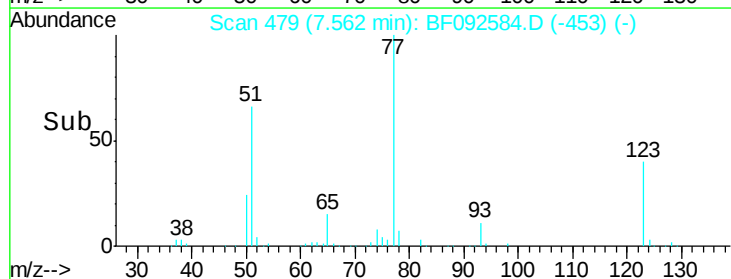
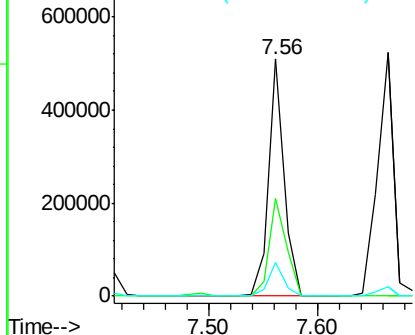


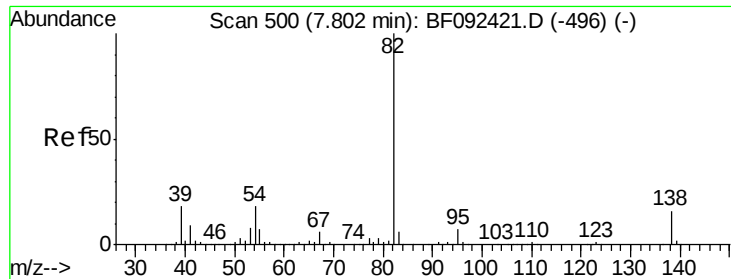
#24
 Nitrobenzene
 Concen: 37.10 ng
 RT: 7.56 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion: 77 Resp: 507839
 Ion Ratio Lower Upper
 77 100
 123 41.5 33.0 49.4
 65 14.2 11.2 16.8



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: 38.43 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

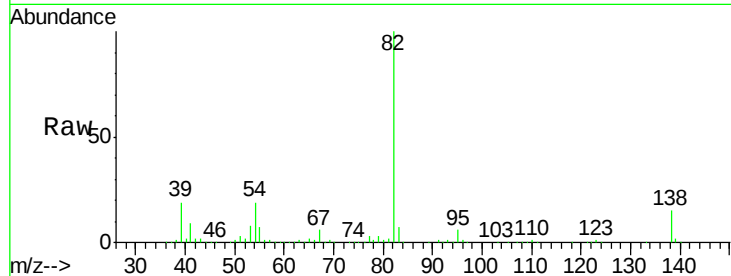
Tgt Ion: 82 Resp: 989473

Ion Ratio Lower Upper

82 100

95 6.4 5.6 8.4

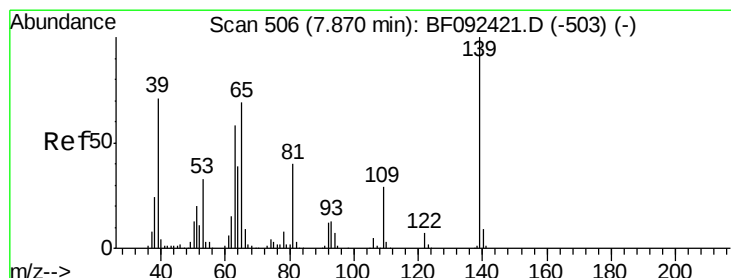
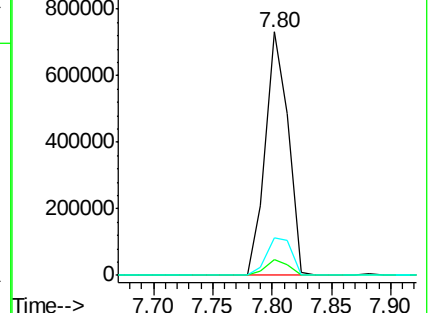
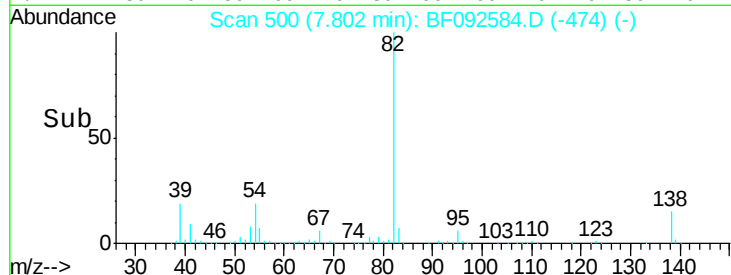
138 15.4 14.6 22.0



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: 46.86 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

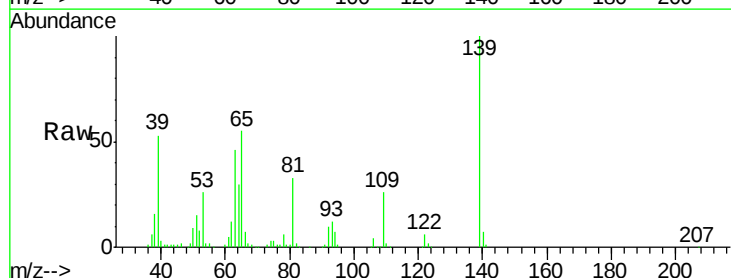
Tgt Ion: 139 Resp: 268779

Ion Ratio Lower Upper

139 100

109 26.4 23.3 34.9

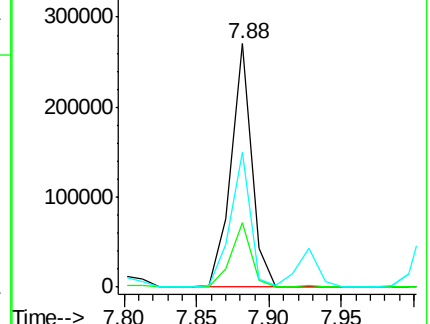
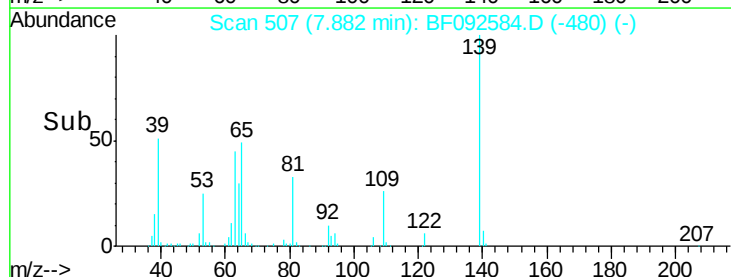
65 55.3 42.7 64.1

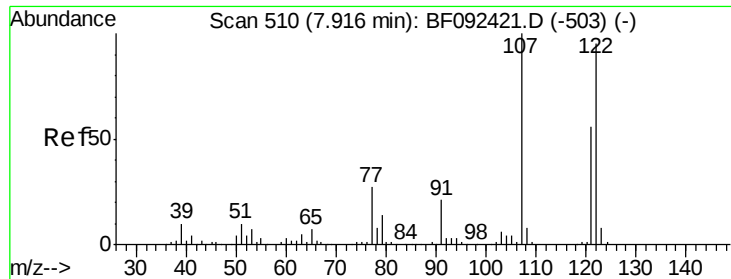


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 39.39 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

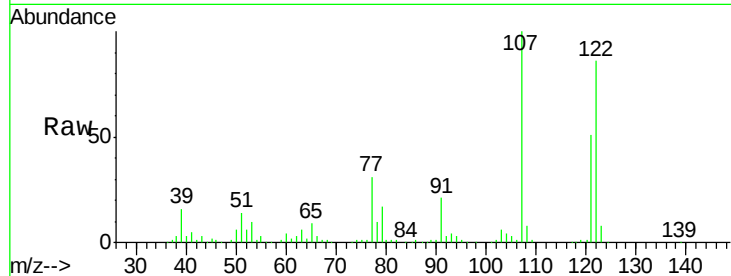
Tgt Ion:122 Resp: 469904

Ion Ratio Lower Upper

122 100

107 115.7 94.1 141.1

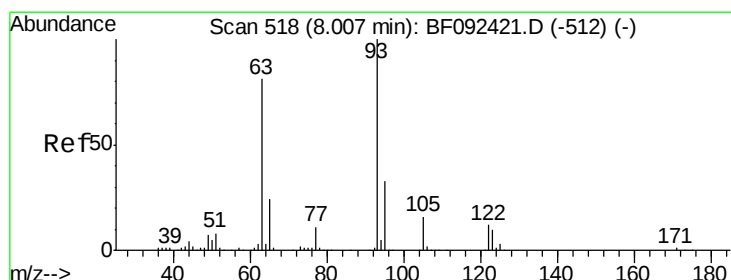
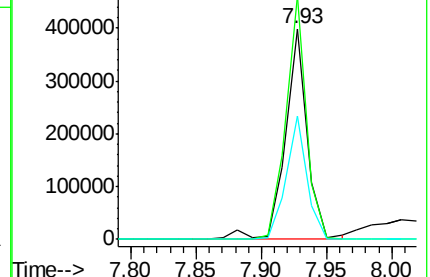
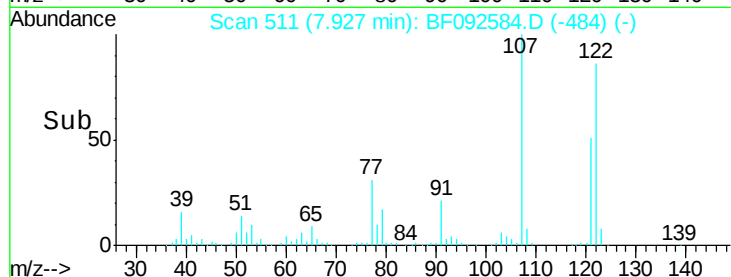
121 58.6 46.0 69.0



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: 40.41 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

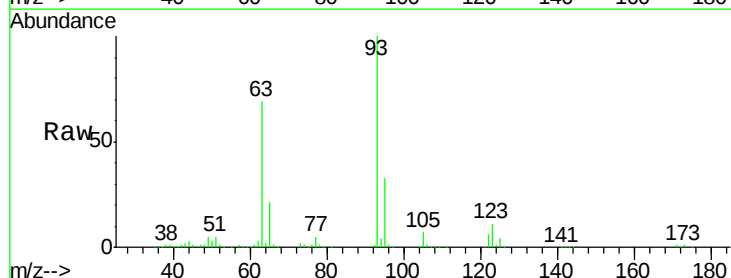
Tgt Ion: 93 Resp: 682948

Ion Ratio Lower Upper

93 100

95 33.4 26.5 39.7

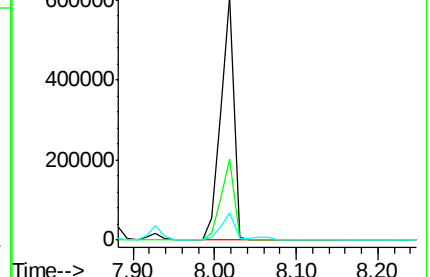
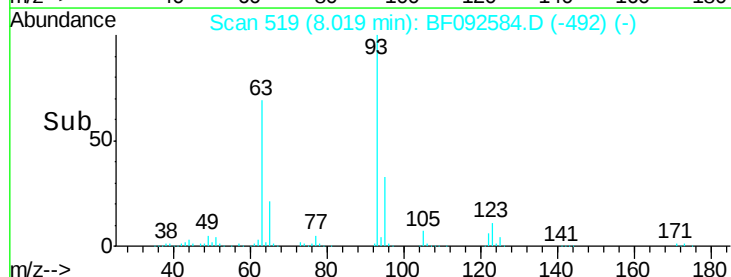
123 11.3 8.6 13.0

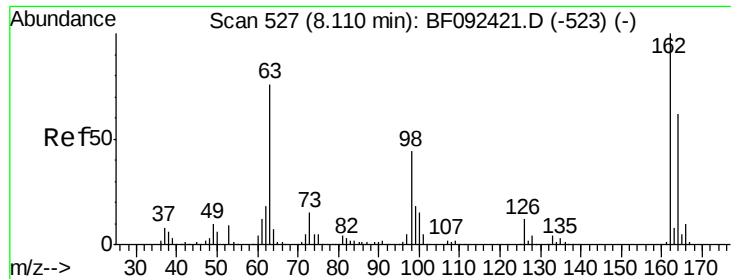


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

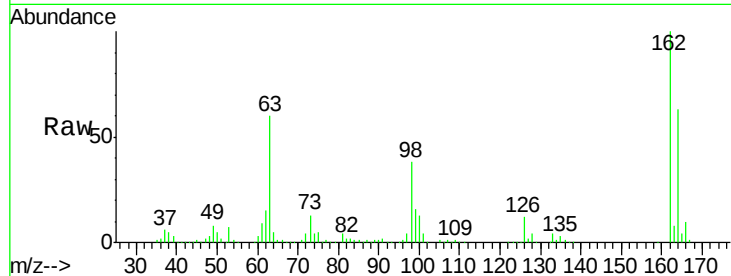




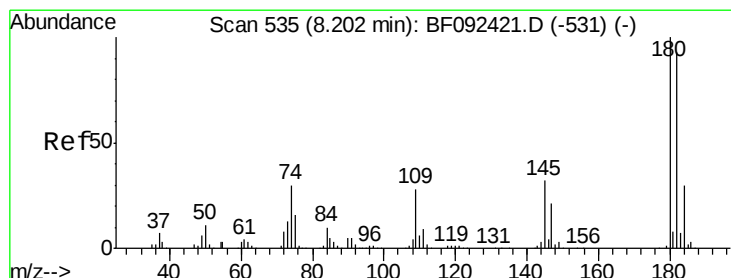
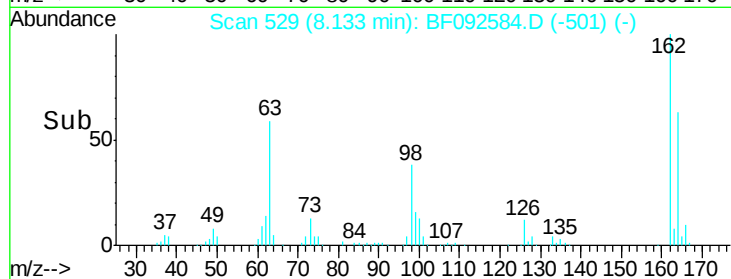
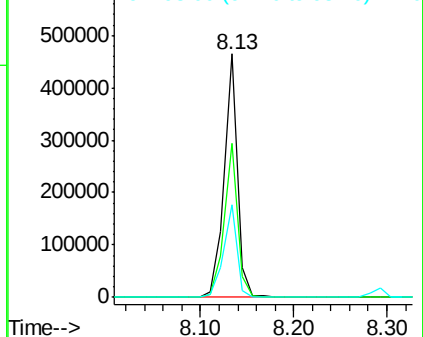
#29
 2,4-Dichlorophenol
 Concen: 44.13 ng
 RT: 8.13 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion:162 Resp: 456472
 Ion Ratio Lower Upper
 162 100
 164 63.5 46.8 86.8
 98 37.9 9.1 49.1

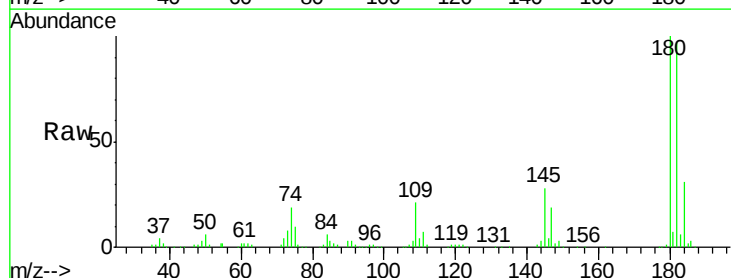


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

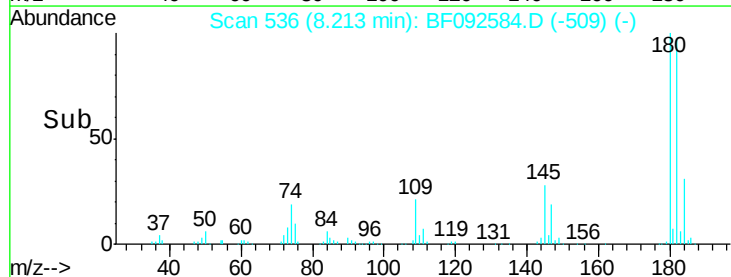
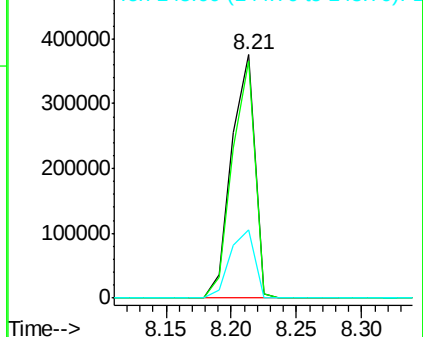


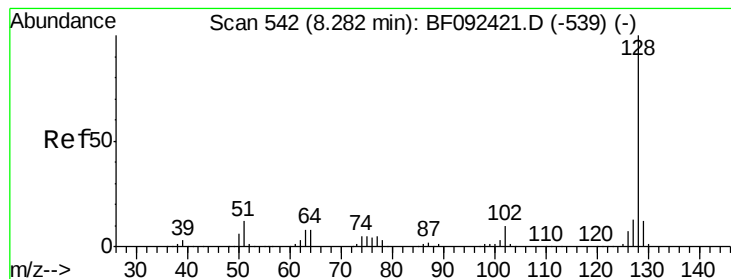
#30
 1,2,4-Trichlorobenzene
 Concen: 41.50 ng
 RT: 8.21 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:180 Resp: 463916
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.2 117.4
 145 28.0 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: 39.81 ng

RT: 8.29 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

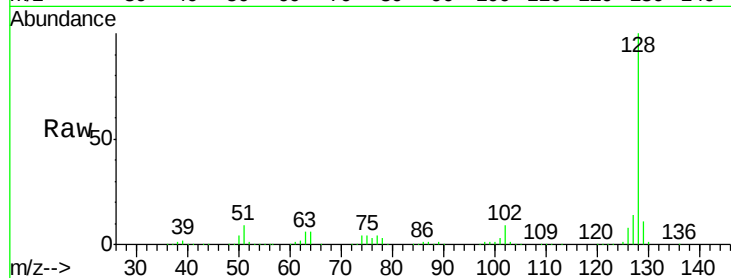
Tgt Ion:128 Resp: 1454208

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

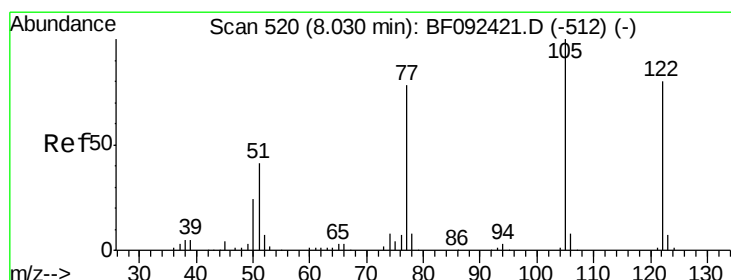
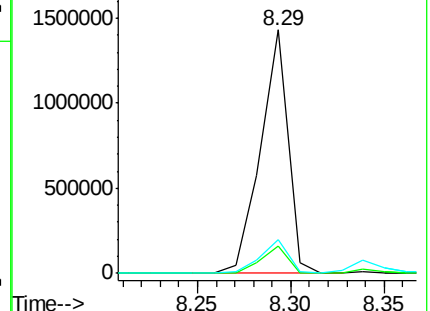
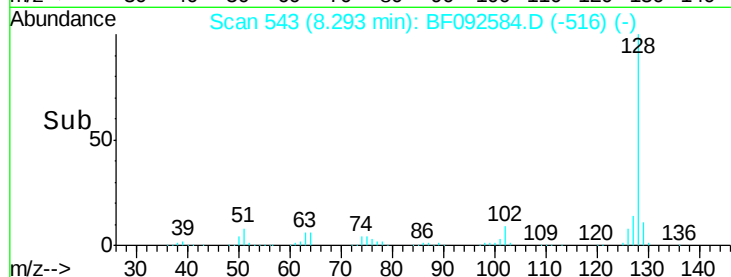
127 13.7 10.8 16.2



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: 37.39 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.03 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

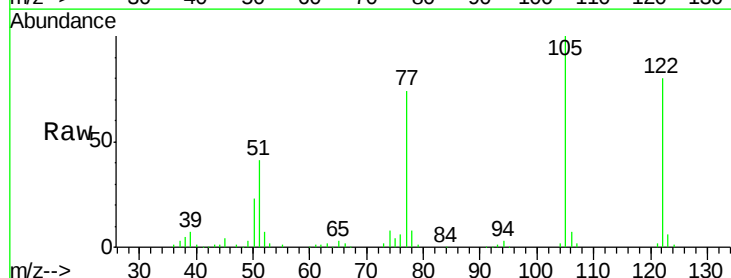
Tgt Ion:122 Resp: 323143

Ion Ratio Lower Upper

122 100

105 124.9 107.2 147.2

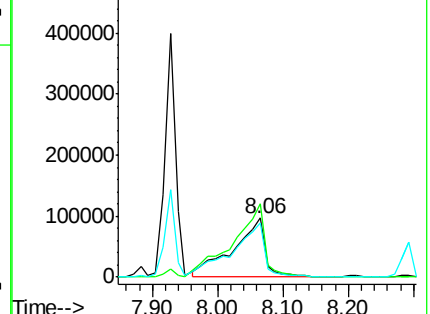
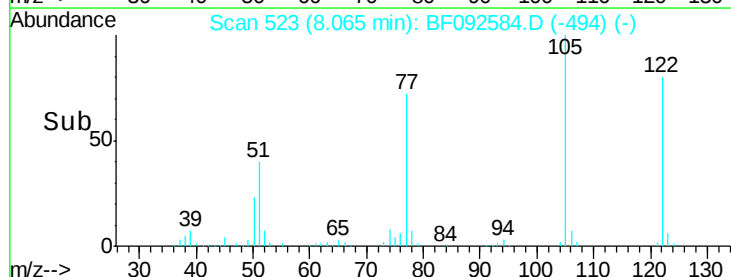
77 92.4 74.5 114.5

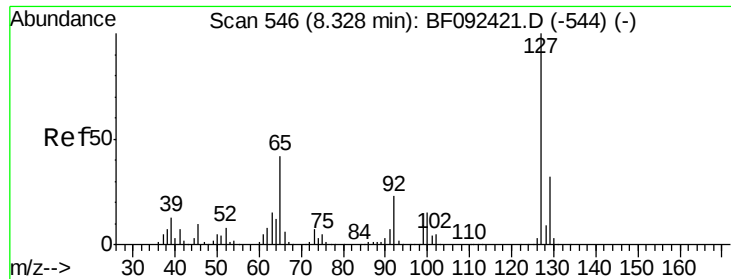


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

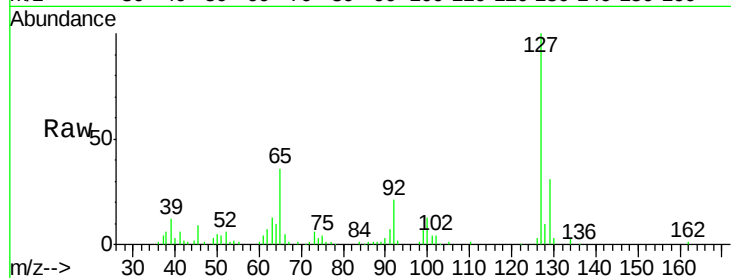




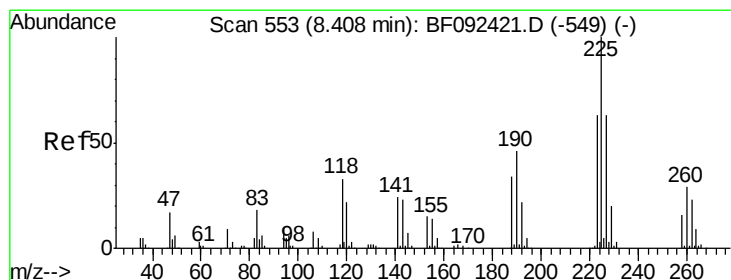
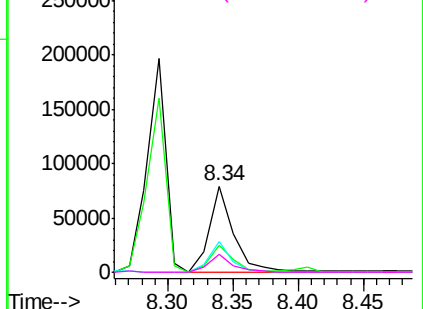
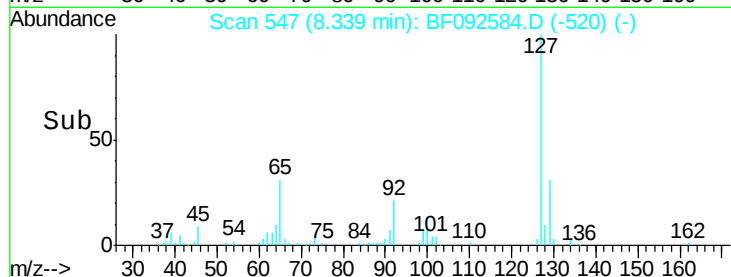
#33
4-Chloroaniline
Concen: 6.62 ng
RT: 8.34 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Instrument :
BNA_F
ClientSampleId :
PB96383BS

Tgt Ion:	127	Resp:	102290
Ion	Ratio	Lower	Upper
127	100		
129	31.0	26.3	39.5
65	35.7	25.8	38.8
92	20.9	16.1	24.1

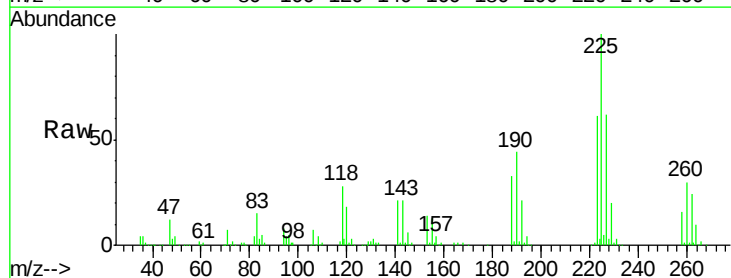


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

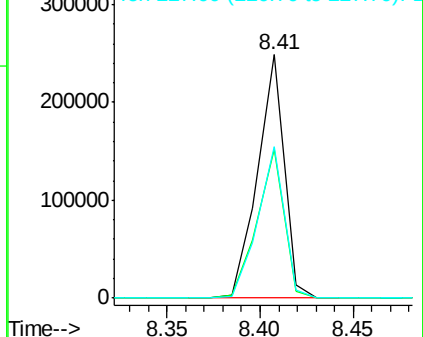
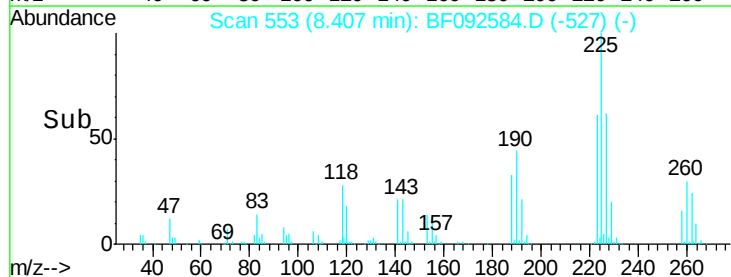


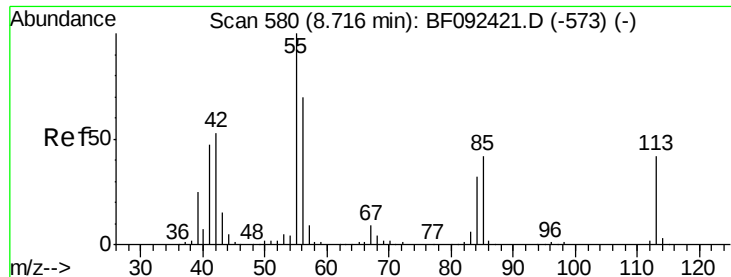
#34
Hexachlorobutadiene
Concen: 40.10 ng
RT: 8.41 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Tgt Ion:	225	Resp:	245172
Ion	Ratio	Lower	Upper
225	100		
223	61.1	51.0	76.6
227	62.4	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

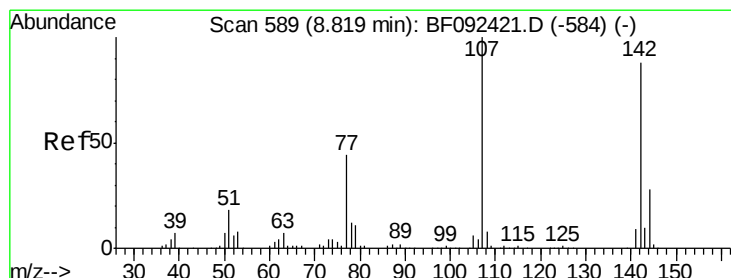
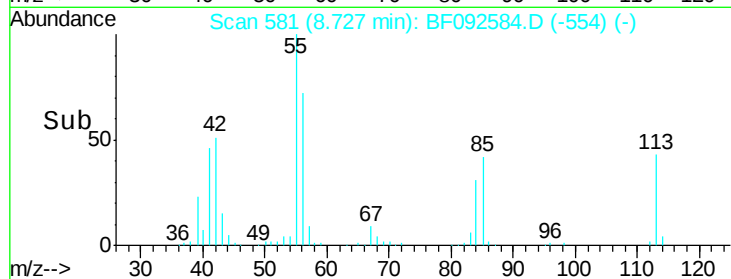
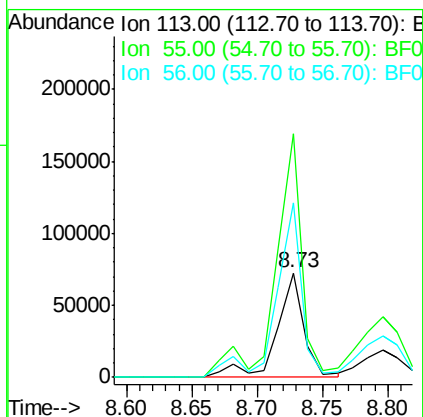
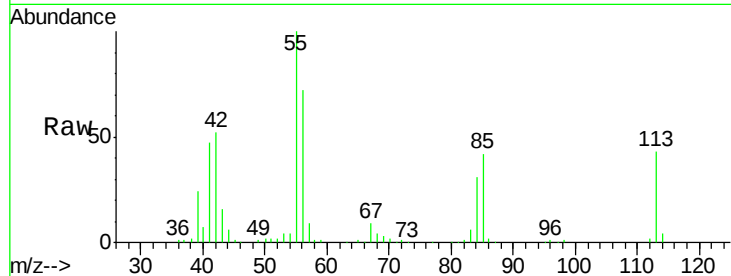




#35
Caprolactam
Concen: 30.78 ng
RT: 8.73 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

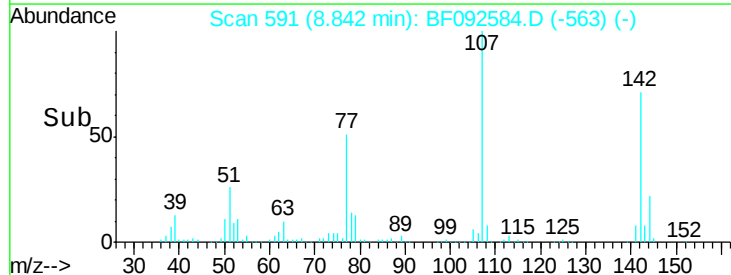
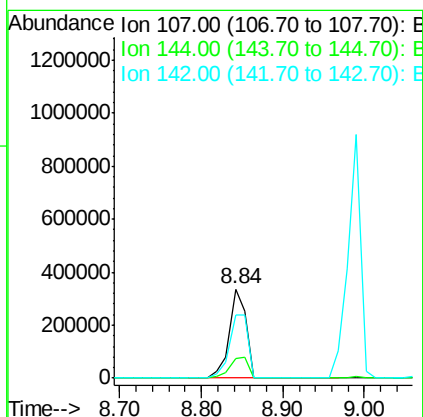
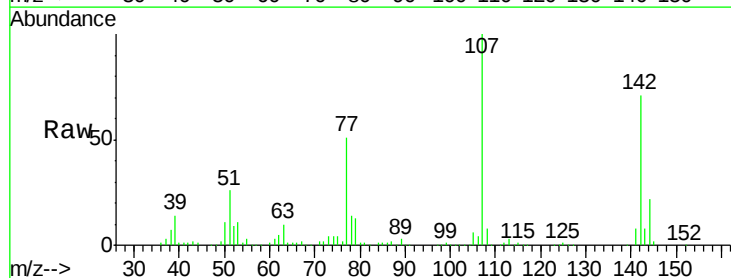
Instrument :
BNA_F
ClientSampleId :
PB96383BS

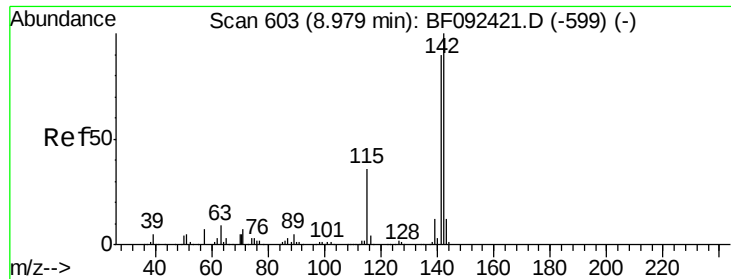
Tgt Ion:113 Resp: 106314
Ion Ratio Lower Upper
113 100
55 232.9 119.2 159.2#
56 166.8 83.8 123.8#



#36
4-Chloro-3-methylphenol
Concen: 43.13 ng
RT: 8.84 min Scan# 591
Delta R.T. 0.02 min
Lab File: BF092584.D
Acq: 27 Jan 2017 19:09

Tgt Ion:107 Resp: 481056
Ion Ratio Lower Upper
107 100
144 22.3 19.3 28.9
142 70.8 59.0 88.6

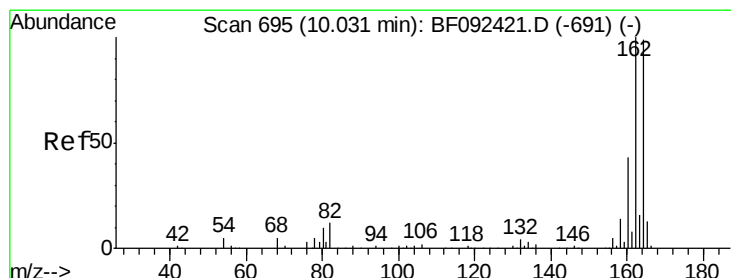
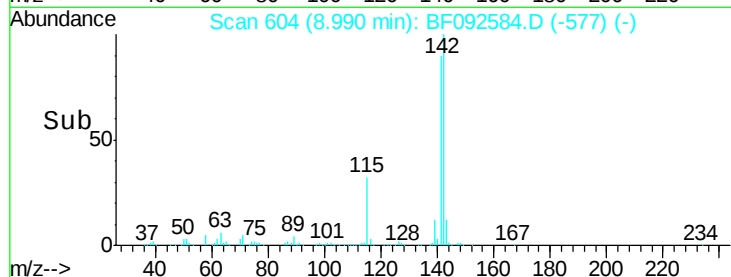
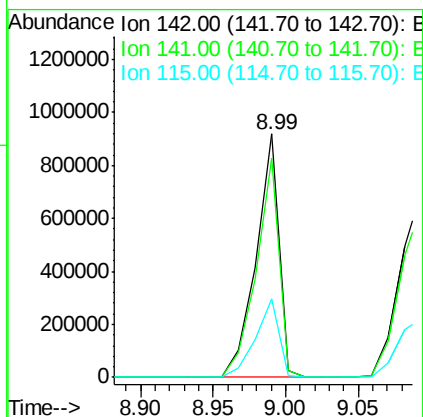
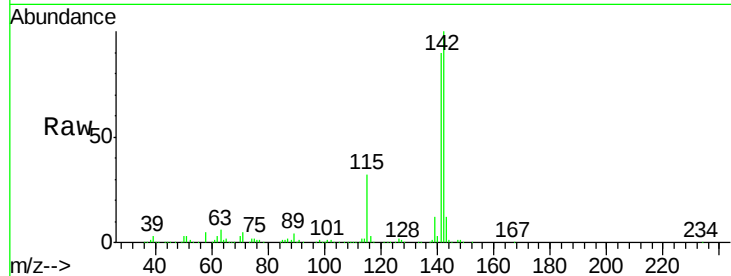




#37
 2-Methylnaphthalene
 Concen: 43.41 ng
 RT: 8.99 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

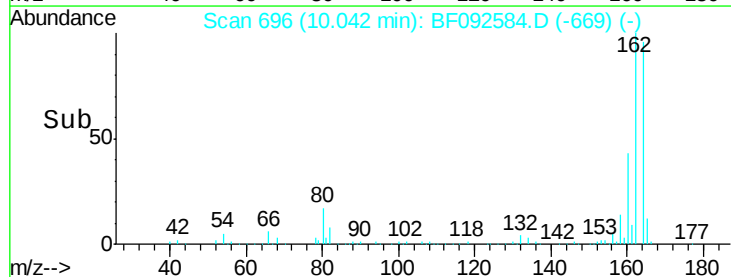
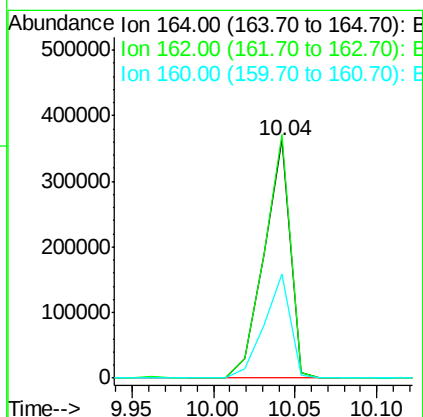
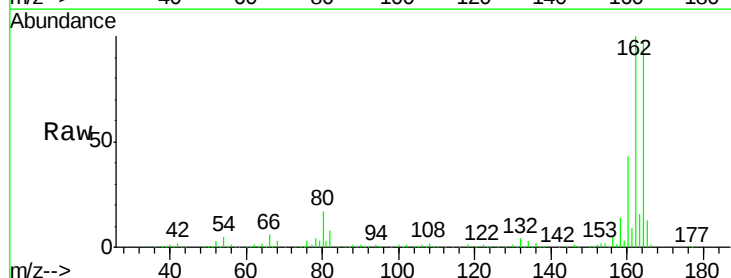
Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

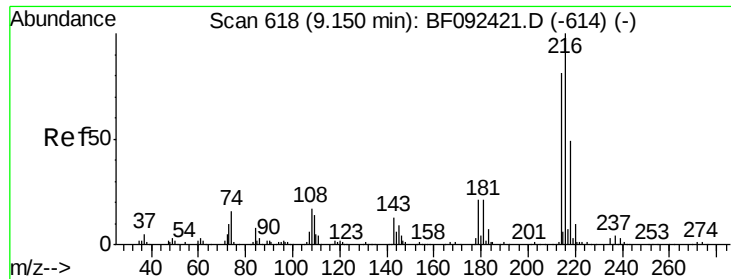
Tgt Ion:142 Resp: 1004034
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.0 106.6
 115 32.5 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:164 Resp: 405247
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.2 120.2
 160 43.8 36.9 55.3

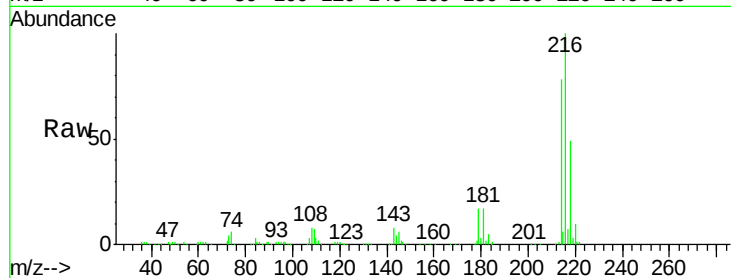




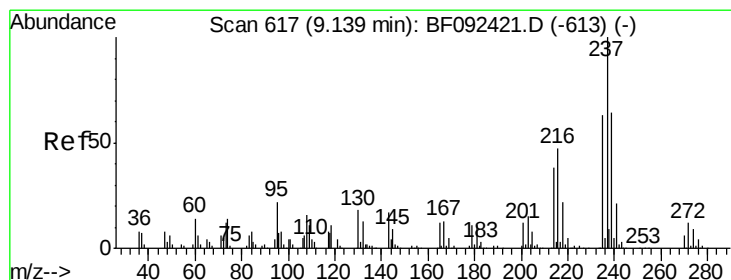
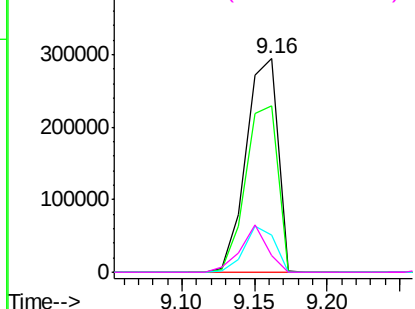
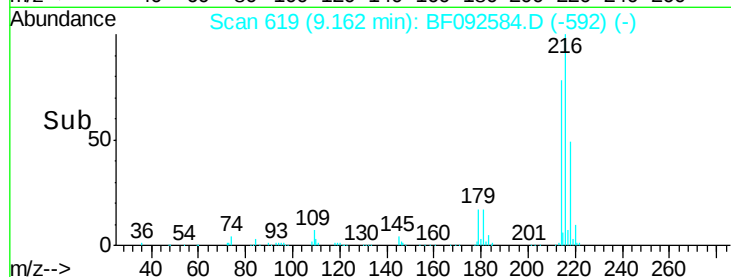
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.75 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion:	216	Resp:	447186
Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.4	95.0
179	20.6	17.4	26.2
108	19.1	15.6	23.4

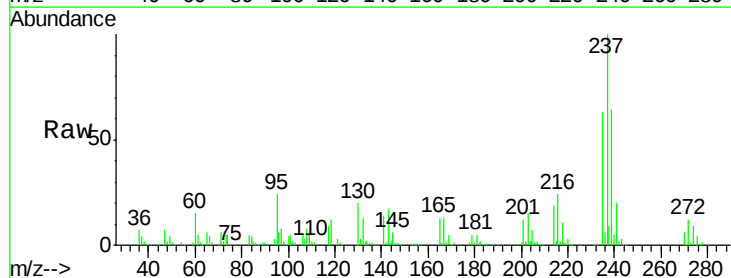


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

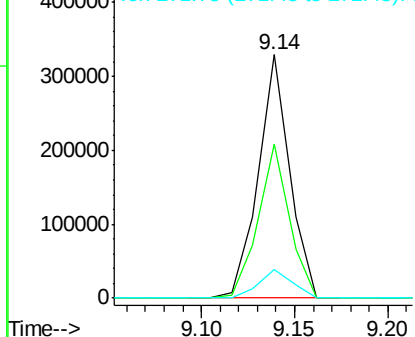
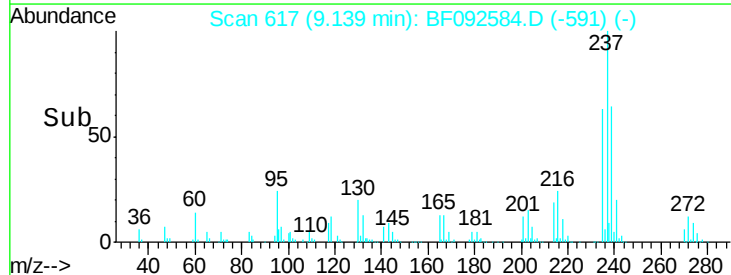


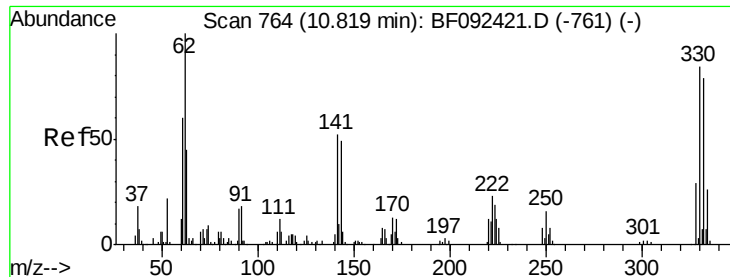
#40
 Hexachlorocyclopentadiene
 Concen: 74.57 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:	237	Resp:	381750
Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.2	81.2
272	11.6	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

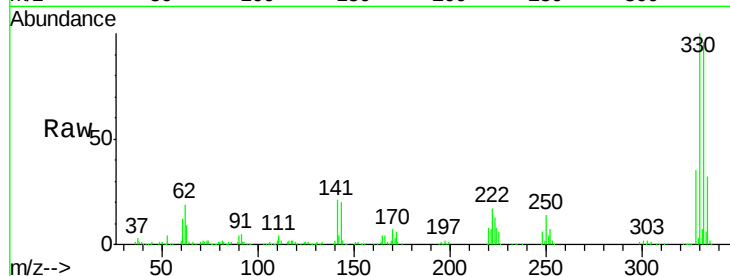




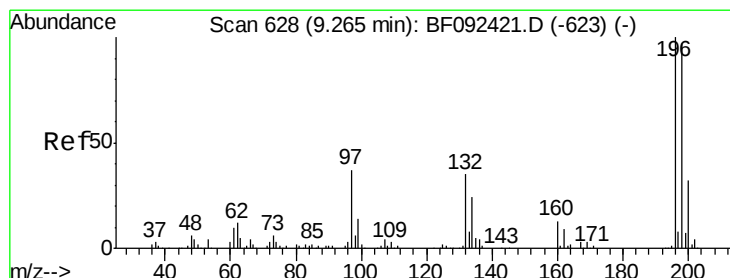
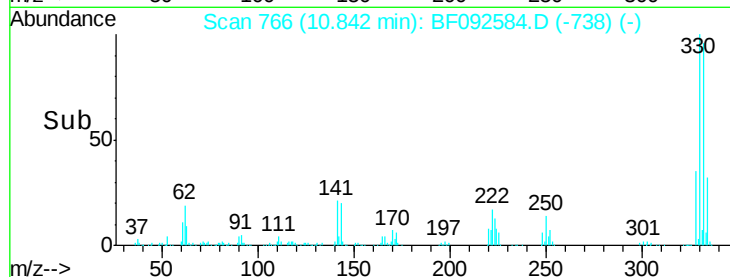
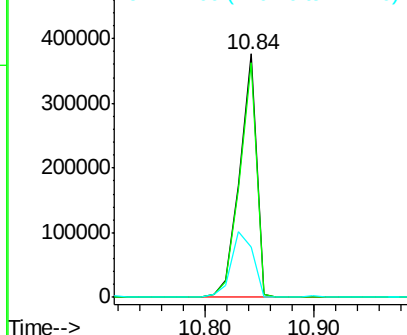
#41
 2,4,6-Tribromophenol
 Concen: 146.14 ng
 RT: 10.84 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion:330 Resp: 403584
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 34.6 34.1 51.1

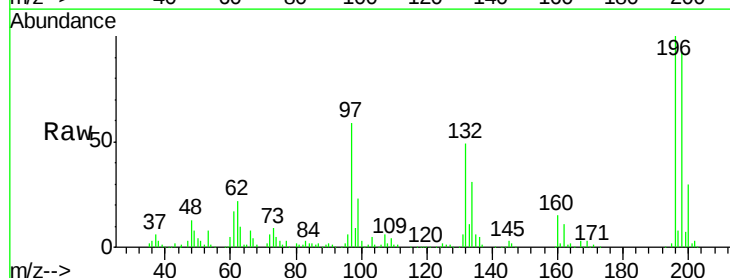


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

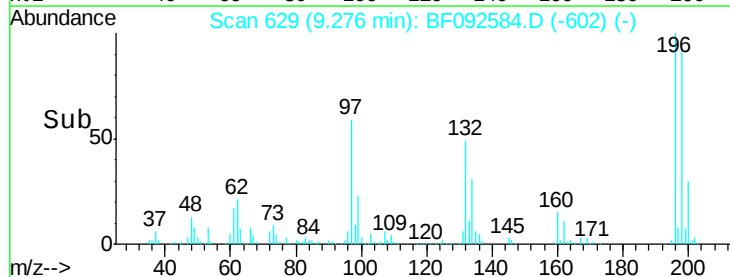
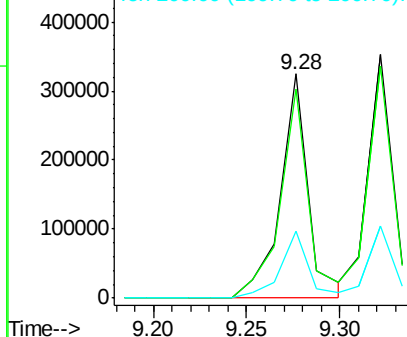


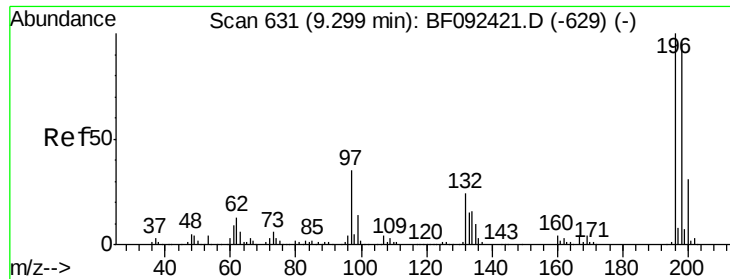
#42
 2,4,6-Trichlorophenol
 Concen: 43.11 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:196 Resp: 337662
 Ion Ratio Lower Upper
 196 100
 198 93.4 82.1 123.1
 200 30.2 27.0 40.4



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

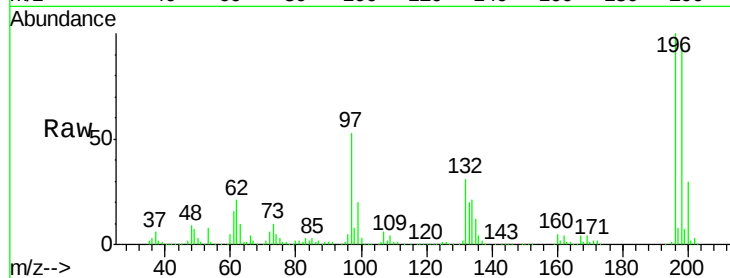




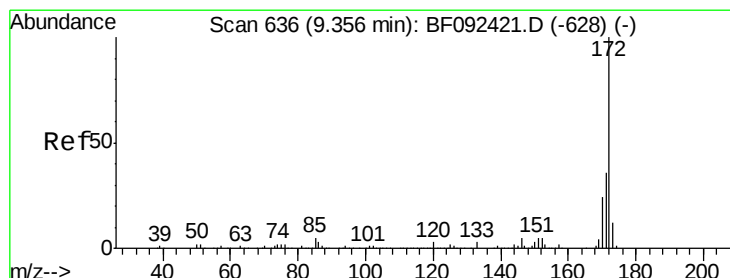
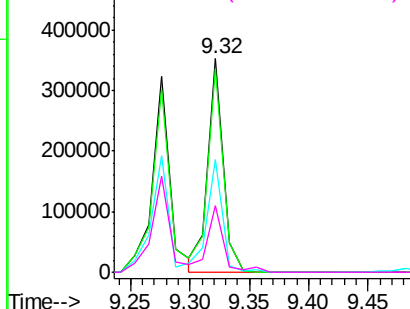
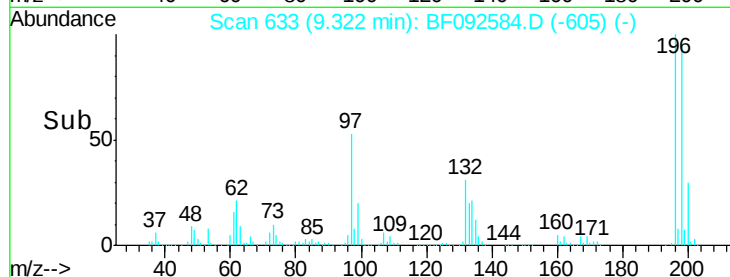
#43
 2,4,5-Trichlorophenol
 Concen: 44.76 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.02 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96383BS

Tgt Ion:196 Resp: 320745
 Ion Ratio Lower Upper
 196 100
 198 95.1 79.4 119.2
 97 52.6 51.5 77.3
 132 31.1 27.4 41.2

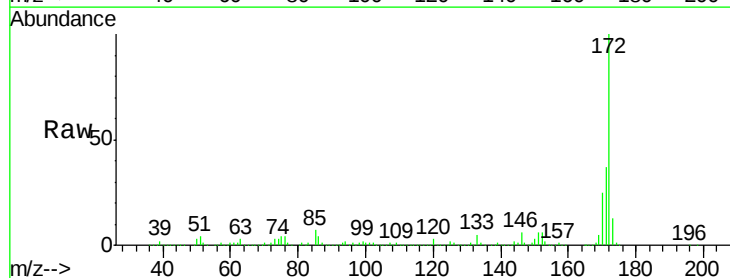


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

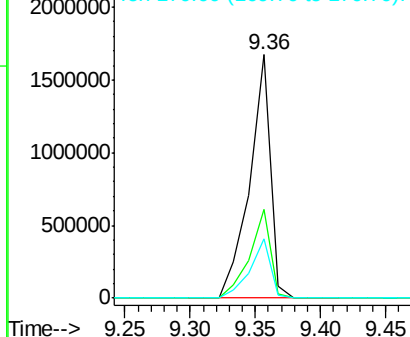
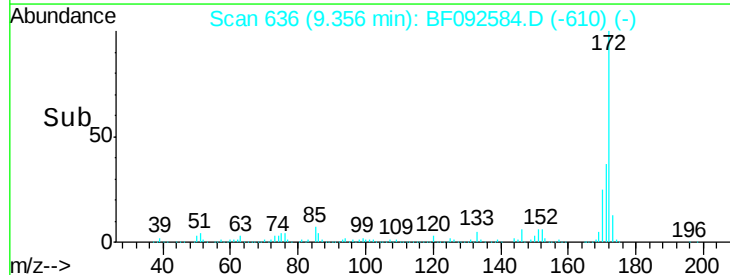


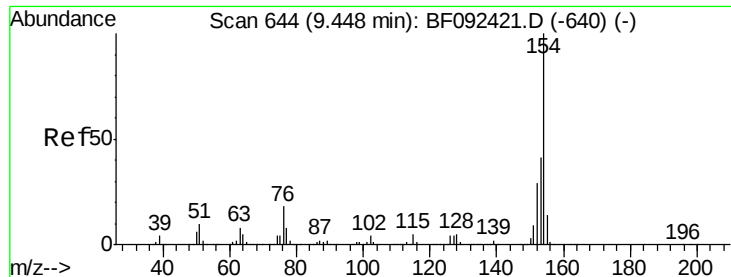
#44
 2-Fluorobiphenyl
 Concen: 85.13 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF092584.D
 Acq: 27 Jan 2017 19:09

Tgt Ion:172 Resp: 1865536
 Ion Ratio Lower Upper
 172 100
 171 36.6 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





#45

1,1'-Biphenyl

Concen: 44.04 ng

RT: 9.46 min Scan# 645

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PB96383BS

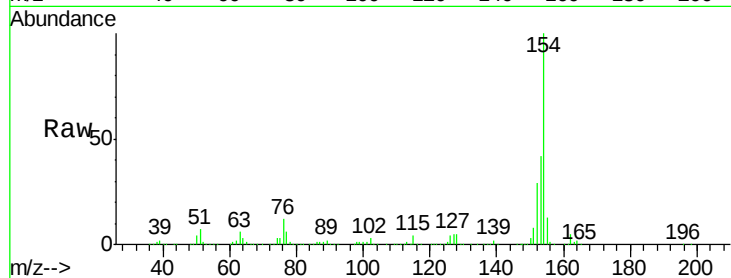
Tgt Ion:154 Resp: 1290048

Ion Ratio Lower Upper

154 100

153 41.5 20.9 60.9

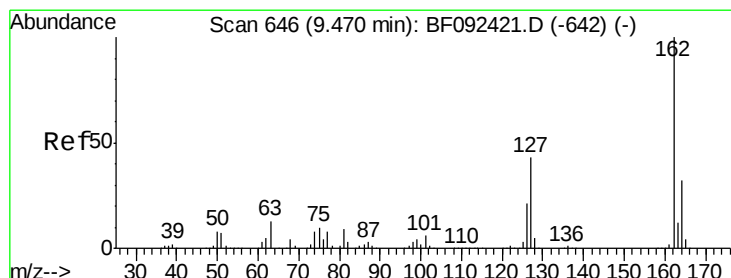
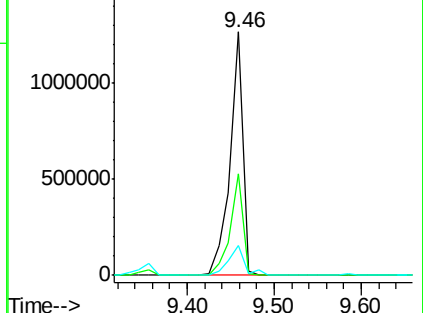
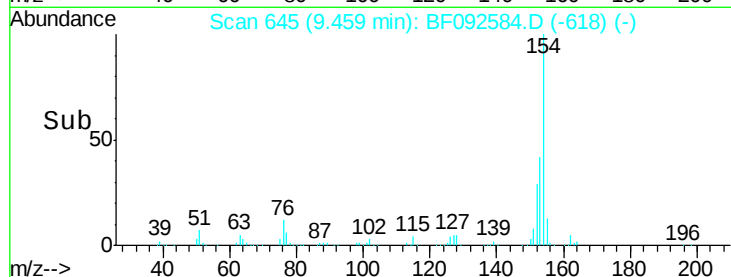
76 12.4 0.0 30.5



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: 38.15 ng

RT: 9.48 min Scan# 647

Delta R.T. 0.01 min

Lab File: BF092584.D

Acq: 27 Jan 2017 19:09

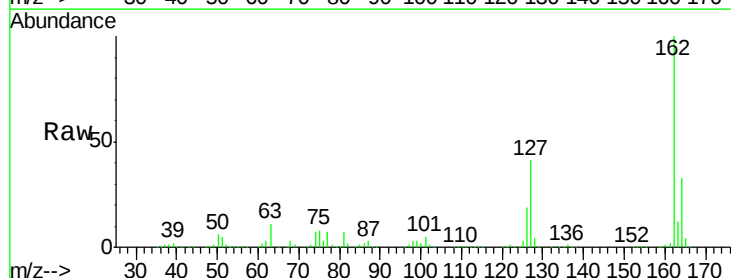
Tgt Ion:162 Resp: 912801

Ion Ratio Lower Upper

162 100

127 40.7 30.7 46.1

164 33.0 27.6 41.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

