

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031815\
 Data File : BF077794.D
 Acq On : 18 Mar 2015 11:18
 Operator : TP/IZ
 Sample : G1544-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Quant Time: Mar 18 13:38:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 13:16:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	42443	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	165734	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	81249	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	160901	20.00	ng	0.00
75) Chrysene-d12	16.04	240	169512	20.00	ng	-0.09
86) Perylene-d12	17.80	264	160887	20.00	ng	-0.30

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	333294	137.07	ng	0.01
7) Phenol-d6	6.73	99	416887	138.77	ng	0.00
23) Nitrobenzene-d5	7.86	82	248661	98.35	ng	0.00
41) 2,4,6-Tribromophenol	11.89	330	103687	133.38	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	543650	98.33	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.06	88	40611	36.79	ng	# 100
3) Pyridine	2.75	79	97852	32.99	ng	99
4) n-Nitrosodimethylamine	2.67	42	52621	40.74	ng	89
6) Aniline	6.75	93	58881	13.70	ng	# 10
8) 2-Chlorophenol	6.89	128	128716	44.47	ng	100
9) Benzaldehyde	6.60	77	8806	7.15	ng	92
10) Phenol	6.74	94	148239	41.74	ng	88
11) bis(2-Chloroethyl)ether	6.85	93	120863	45.44	ng	97
12) 1,3-Dichlorobenzene	7.08	146	135848	42.20	ng	99
13) 1,4-Dichlorobenzene	7.18	146	134009	40.06	ng	99
14) 1,2-Dichlorobenzene	7.37	146	128018	41.75	ng	100
15) Benzyl Alcohol	7.34	79	101140	43.13	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.53	45	156649	43.70	ng	99
17) 2-Methylphenol	7.49	107	100665	42.72	ng	97
18) Hexachloroethane	7.78	117	45587	41.56	ng	99
19) n-Nitroso-di-n-propylamine	7.68	70	82635	39.76	ng	95
20) 3+4-Methylphenols	7.69	107	133133	43.06	ng	95
22) Acetophenone	7.68	105	176896	48.21	ng	# 92
24) Nitrobenzene	7.88	77	124663	45.77	ng	# 78
25) Isophorone	8.18	82	231372	45.31	ng	99
26) 2-Nitrophenol	8.27	139	63346	47.50	ng	94
27) 2,4-Dimethylphenol	8.34	122	116188	47.83	ng	97
28) bis(2-Chloroethoxy)methane	8.46	93	147257	47.51	ng	98
29) 2,4-Dichlorophenol	8.57	162	107785	46.55	ng	96
30) 1,2,4-Trichlorobenzene	8.67	180	112056	43.25	ng	99
31) Naphthalene	8.76	128	367144	43.13	ng	99
32) Benzoic acid	8.45	122	51229	38.46	ng	94
33) 4-Chloroaniline	8.84	127	59276	17.16	ng	97
34) Hexachlorobutadiene	8.92	225	63323	43.12	ng	99
35) Caprolactam	9.26	113	32877	48.58	ng	89
36) 4-Chloro-3-methylphenol	9.45	107	108876	46.73	ng	84
37) 2-Methylnaphthalene	9.62	142	259510	45.38	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.82	216	108220	44.66	ng	# 100
40) Hexachlorocyclopentadiene	9.81	237	104195	85.66	ng	97

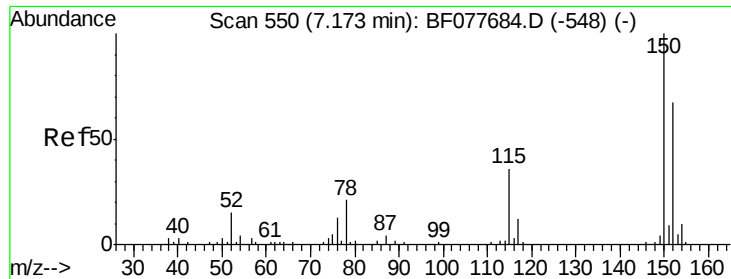
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031815\
 Data File : BF077794.D
 Acq On : 18 Mar 2015 11:18
 Operator : TP/IZ
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 13:16:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.97	196	74381	44.31	ng	98
43) 2,4,5-Trichlorophenol	10.02	196	79937	44.08	ng #	86
45) 1,1'-Biphenyl	10.20	154	301562	46.43	ng	97
46) 2-Chloronaphthalene	10.22	162	241880	45.83	ng	97
47) 2-Nitroaniline	10.35	65	62633	47.78	ng #	82
48) Acenaphthylene	10.73	152	372142	42.40	ng	99
49) Dimethylphthalate	10.59	163	286712	47.58	ng	99
50) 2,6-Dinitrotoluene	10.67	165	63832	51.10	ng #	73
51) Acenaphthene	10.94	154	215173	42.76	ng	100
52) 3-Nitroaniline	10.86	138	37839	26.08	ng	85
53) 2,4-Dinitrophenol	11.00	184	44791	95.83	ng #	80
54) Dibenzofuran	11.16	168	333744	44.71	ng	95
55) 4-Nitrophenol	11.09	139	106817	99.40	ng	96
56) 2,4-Dinitrotoluene	11.16	165	84474	51.86	ng #	81
57) Fluorene	11.59	166	274634	44.31	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.32	232	63796	45.69	ng #	100
59) Diethylphthalate	11.47	149	265731	45.26	ng	97
60) 4-Chlorophenyl-phenylether	11.60	204	127003	44.90	ng	91
61) 4-Nitroaniline	11.62	138	60786	42.04	ng	82
62) Azobenzene	11.79	77	249529	44.47	ng	94
64) 4,6-Dinitro-2-methylphenol	11.67	198	31966	42.61	ng #	72
65) n-Nitrosodiphenylamine	11.75	169	244308	45.60	ng	100
66) 4-Bromophenyl-phenylether	12.20	248	73047	42.54	ng #	85
67) Hexachlorobenzene	12.26	284	82475	43.71	ng #	90
68) Atrazine	12.42	200	71628	47.71	ng	93
69) Pentachlorophenol	12.51	266	86819	87.55	ng	98
70) Phenanthrene	12.77	178	400716	43.38	ng	98
71) Anthracene	12.84	178	421803	46.22	ng	100
72) Carbazole	13.05	167	404210	46.56	ng	99
73) Di-n-butylphthalate	13.51	149	440203	45.22	ng	99
74) Fluoranthene	14.25	202	435687	42.76	ng	95
79) Butylbenzylphthalate	15.37	149	189172	45.01	ng	99
80) Benzo(a)anthracene	16.02	228	445969	44.38	ng	100
81) 3,3'-Dichlorobenzidine	16.01	252	111650	33.68	ng	97
82) Chrysene	16.07	228	425096	47.05	ng	98
83) Bis(2-ethylhexyl)phthalate	16.09	149	288973	45.39	ng #	94
88) Benzo(k)fluoranthene	17.35	252	442266	53.91	ng #	97
89) Benzo(a)pyrene	17.75	252	417117	47.60	ng	99
90) Dibenzo(a,h)anthracene	19.24	278	377223	43.40	ng	99
91) Benzo(g,h,i)perylene	19.63	276	366739	41.44	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.16 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

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ClientSampleId :

SB-12(13-15)MSD

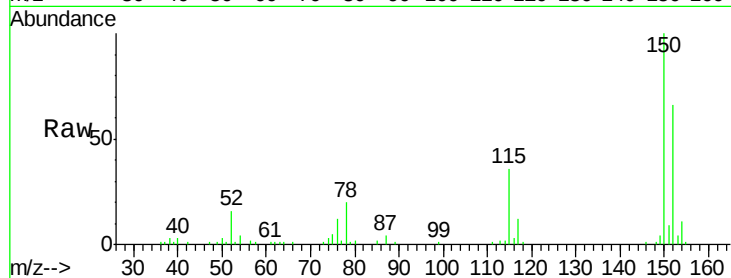
Tgt Ion:152 Resp: 42443

Ion Ratio Lower Upper

152 100

150 150.4 119.5 179.3

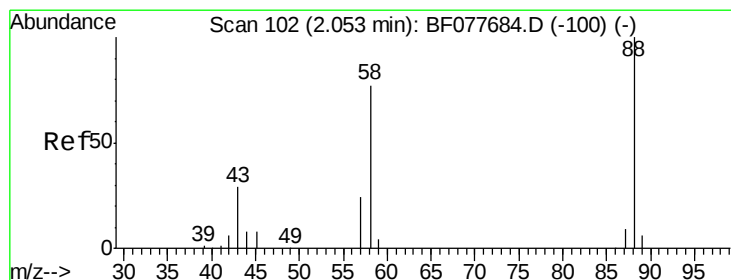
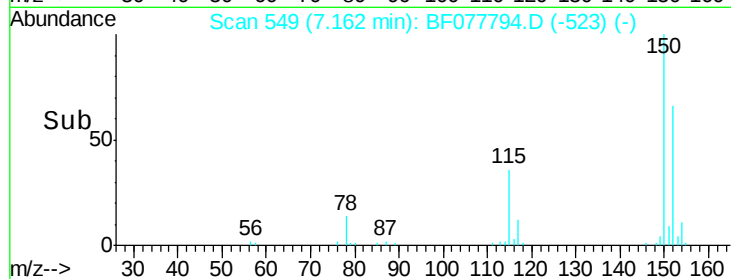
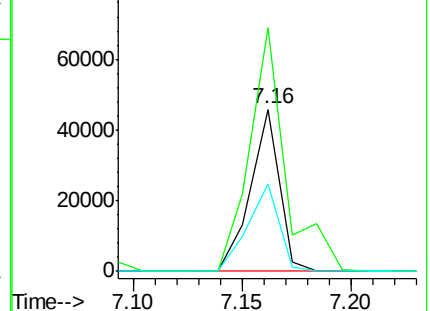
115 53.8 43.0 64.4



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: 36.79 ng

RT: 2.06 min Scan# 103

Delta R.T. 0.02 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

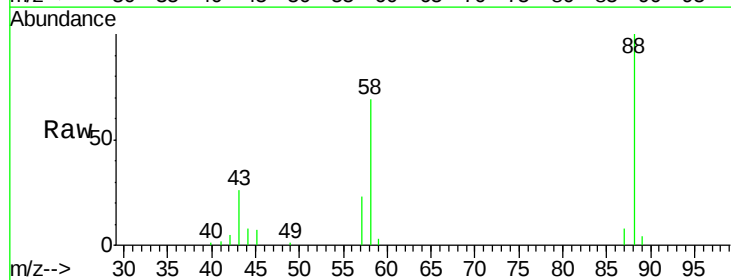
Tgt Ion: 88 Resp: 40611

Ion Ratio Lower Upper

88 100

58 71.4 0.0 0.0#

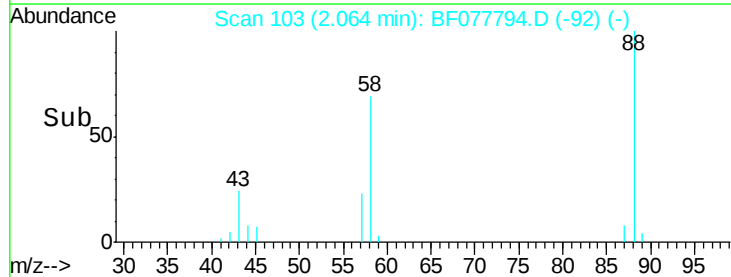
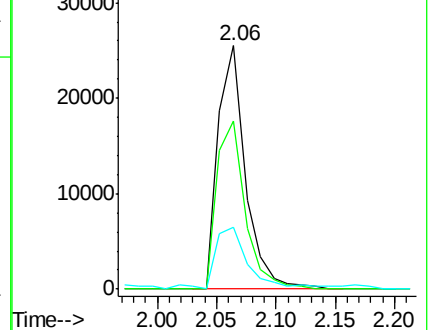
43 31.8 0.0 0.0#

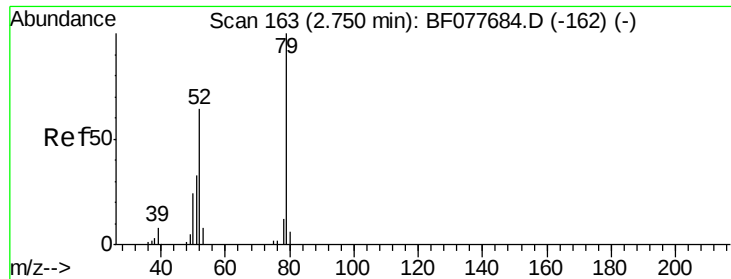


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 32.99 ng

RT: 2.75 min Scan# 163

Delta R.T. 0.02 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

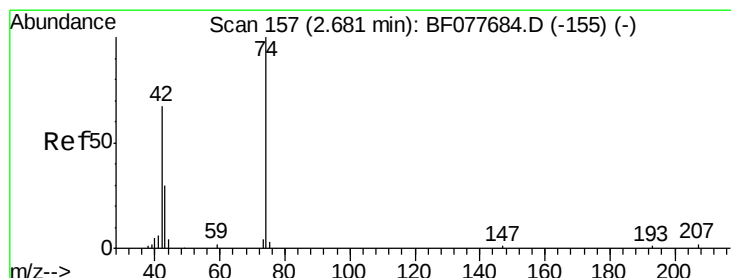
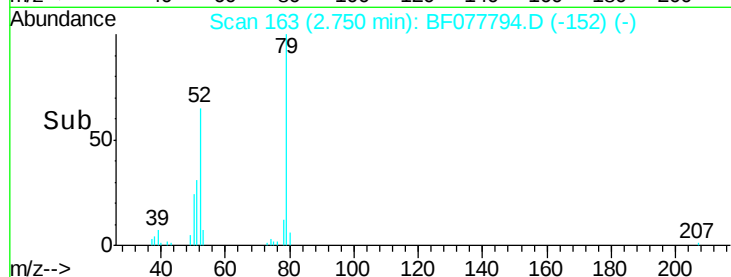
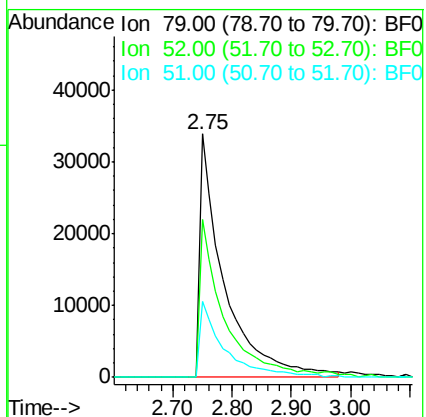
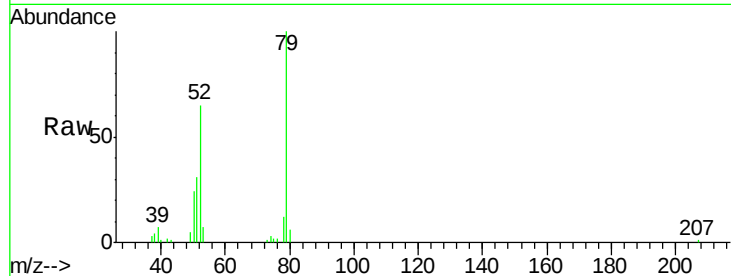
Tgt Ion: 79 Resp: 97852

Ion Ratio Lower Upper

79 100

52 64.6 51.1 76.7

51 31.4 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 40.74 ng

RT: 2.67 min Scan# 156

Delta R.T. 0.01 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

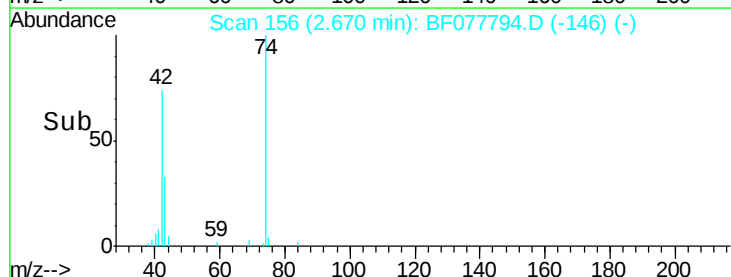
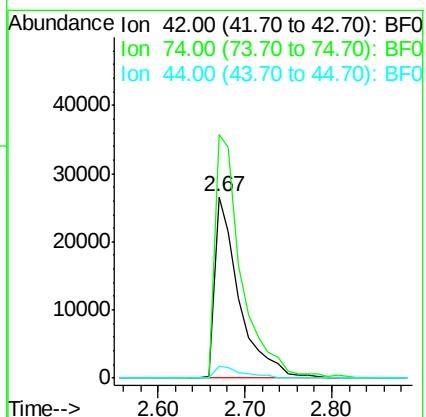
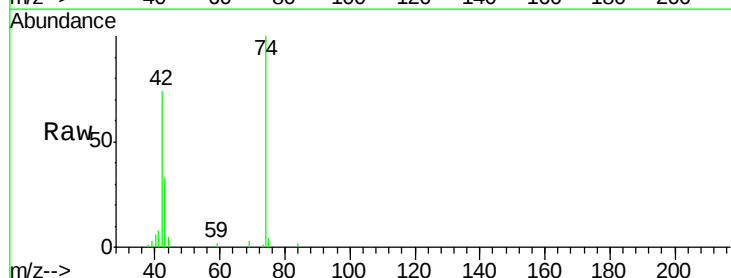
Tgt Ion: 42 Resp: 52621

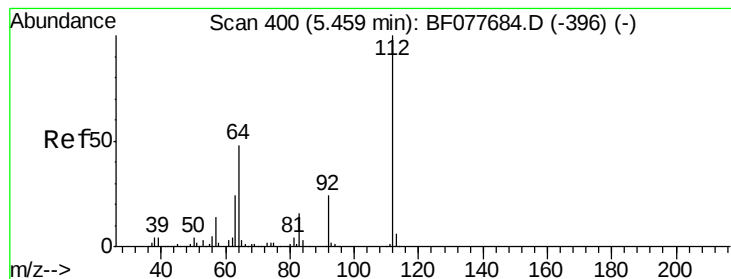
Ion Ratio Lower Upper

42 100

74 134.4 119.3 178.9

44 6.7 5.4 8.2





#5

2-Fluorophenol

Concen: 137.07 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

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ClientSampleId :

SB-12(13-15)MSD

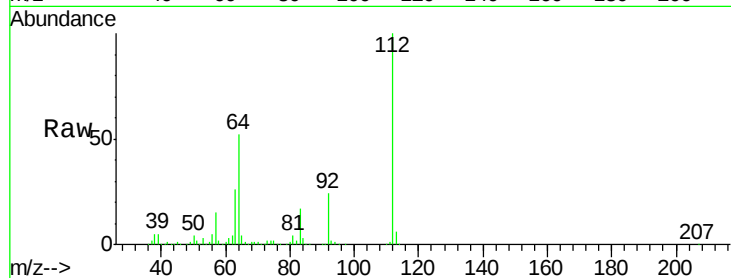
Tgt Ion: 112 Resp: 333294

Ion Ratio Lower Upper

112 100

64 51.7 38.6 57.8

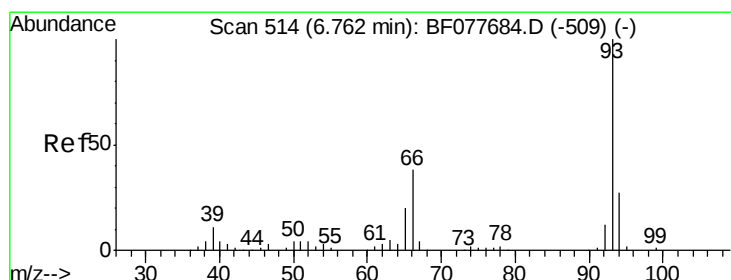
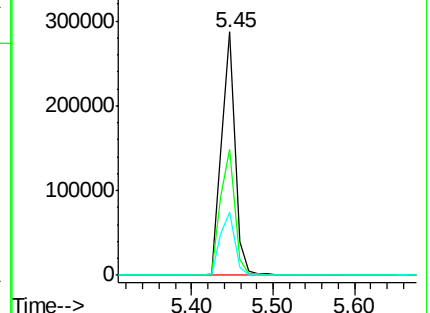
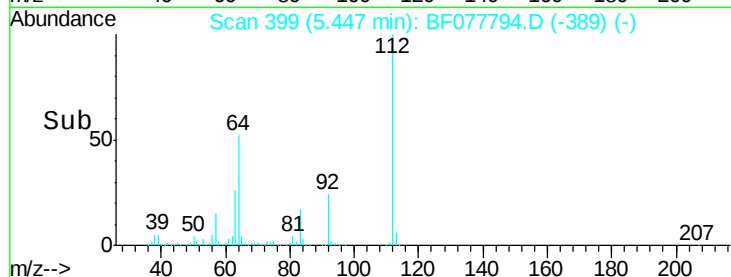
63 25.9 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): BF077794.D (-399) (-)

Ion 64.00 (63.70 to 64.70): BF077794.D (-399) (-)

Ion 63.00 (62.70 to 63.70): BF077794.D (-399) (-)



#6

Aniline

Concen: 13.70 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

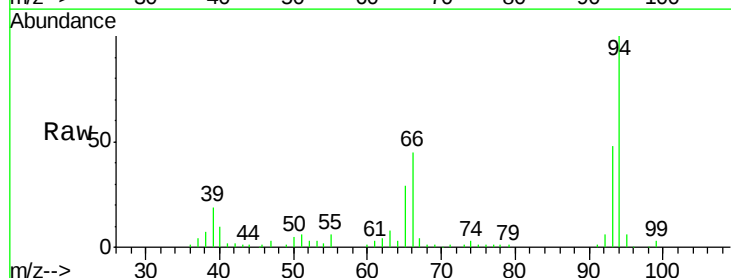
Tgt Ion: 93 Resp: 58881

Ion Ratio Lower Upper

93 100

66 93.7 30.8 46.2#

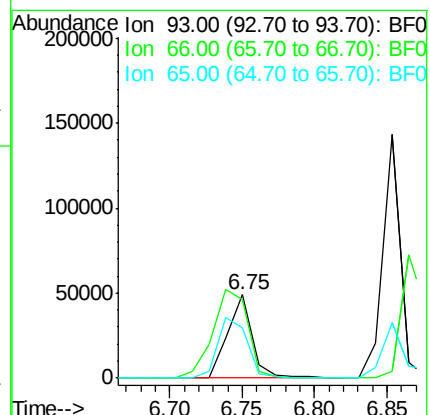
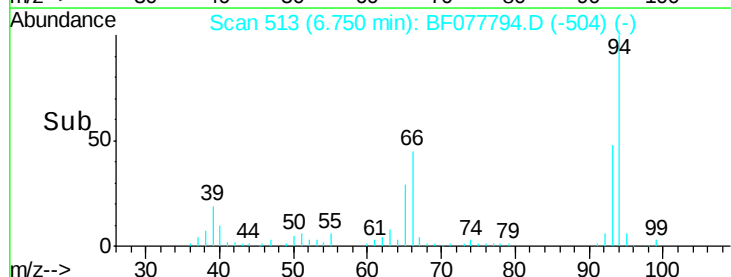
65 61.1 16.0 24.0#

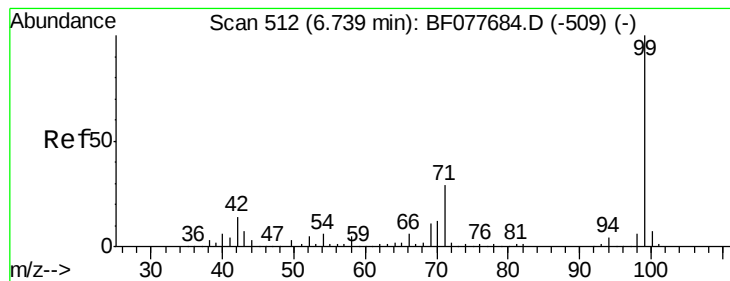


Abundance Ion 93.00 (92.70 to 93.70): BF077794.D (-504) (-)

Ion 66.00 (65.70 to 66.70): BF077794.D (-504) (-)

Ion 65.00 (64.70 to 65.70): BF077794.D (-504) (-)





#7

Phenol-d6

Concen: 138.77 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

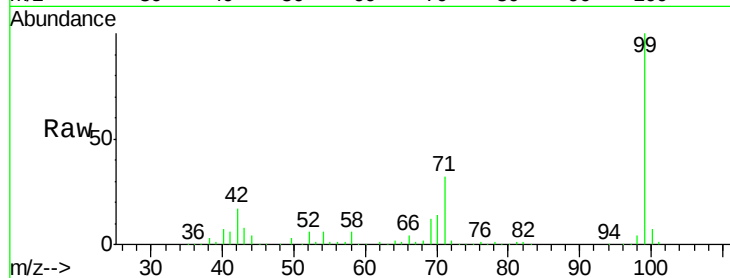
Tgt Ion: 99 Resp: 416887

Ion Ratio Lower Upper

99 100

42 16.6 11.0 16.4#

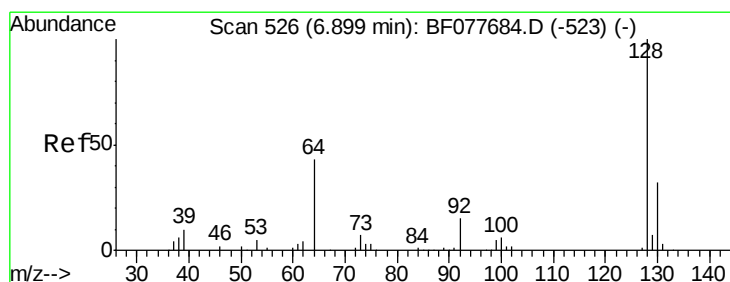
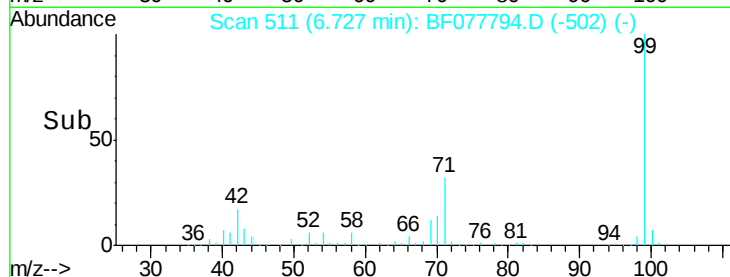
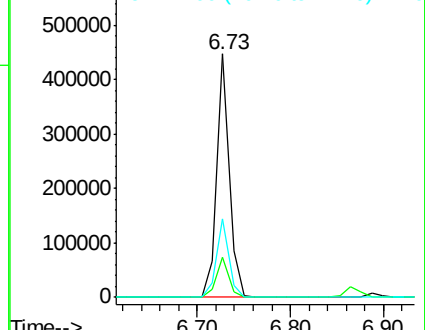
71 32.0 23.4 35.2



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: 44.47 ng

RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

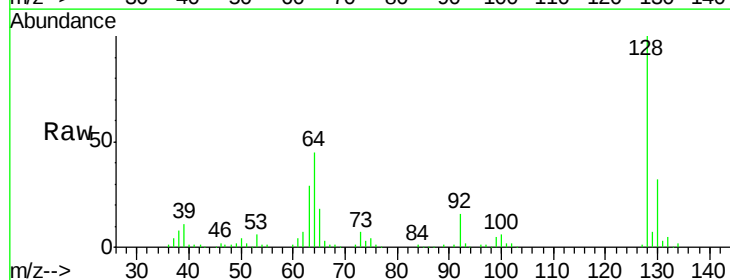
Tgt Ion: 128 Resp: 128716

Ion Ratio Lower Upper

128 100

130 32.0 12.0 52.0

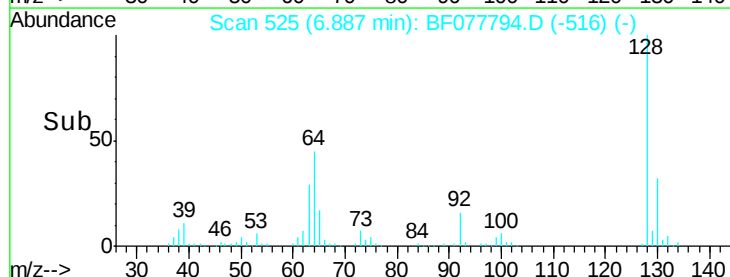
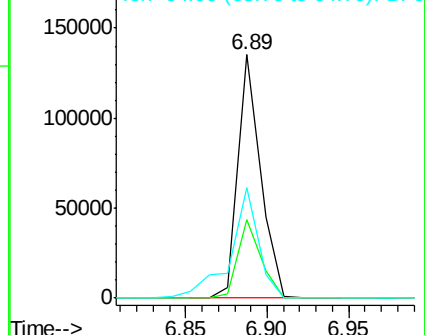
64 45.4 24.9 64.9

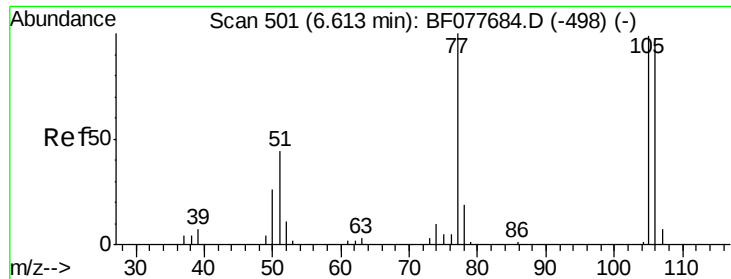


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.15 ng

RT: 6.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

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SB-12(13-15)MSD

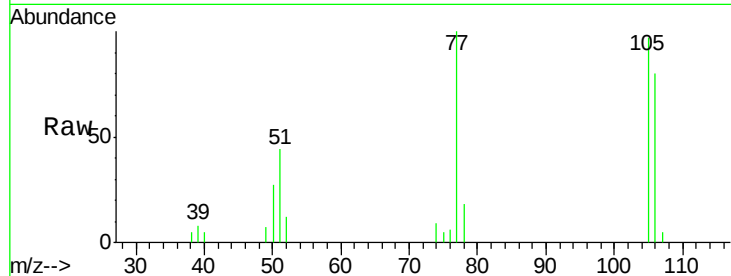
Tgt Ion: 77 Resp: 8806

Ion Ratio Lower Upper

77 100

105 97.3 78.8 118.8

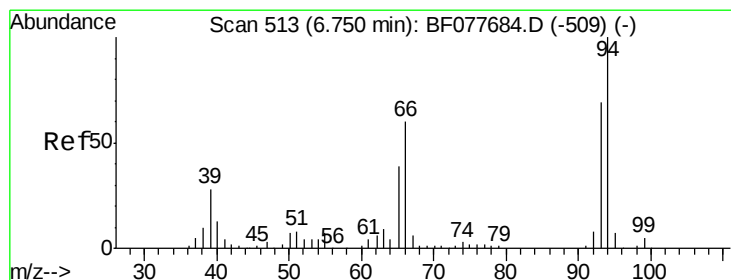
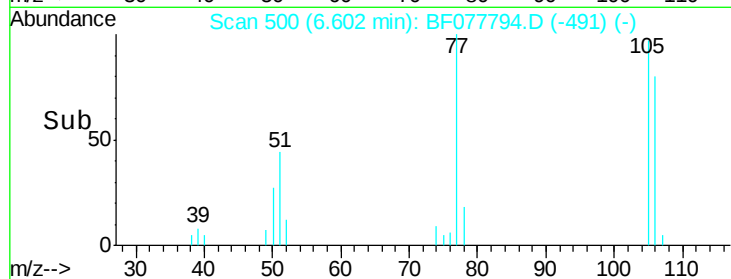
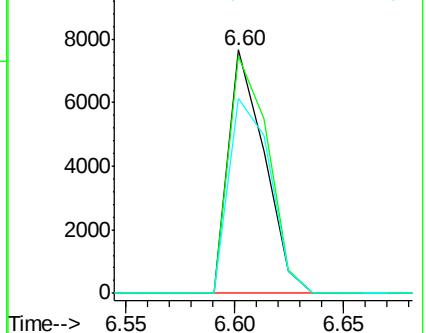
106 79.9 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.74 ng

RT: 6.74 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

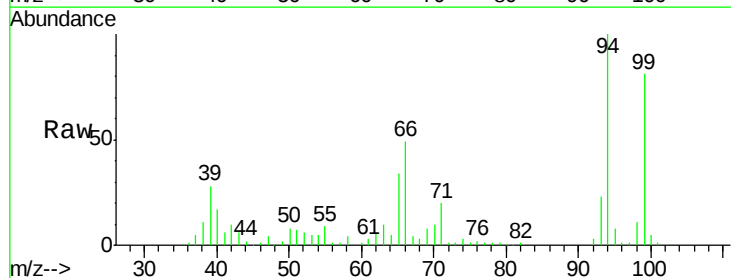
Tgt Ion: 94 Resp: 148239

Ion Ratio Lower Upper

94 100

65 33.5 18.8 58.8

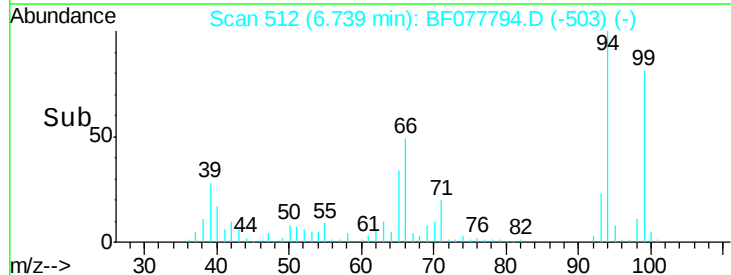
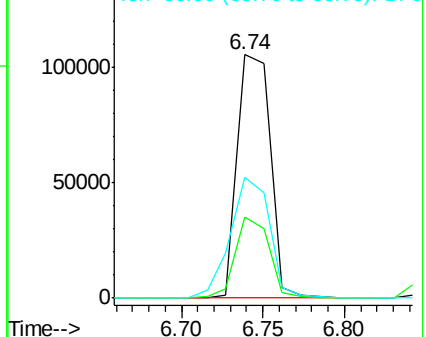
66 49.4 39.9 79.9

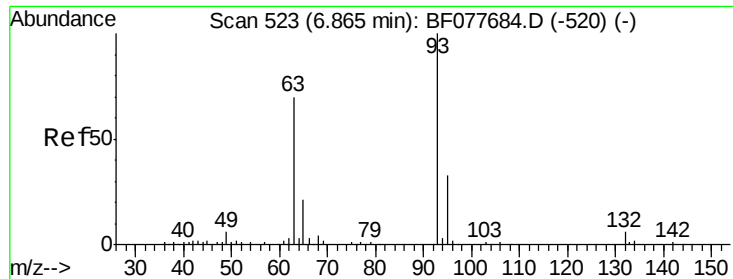


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 45.44 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

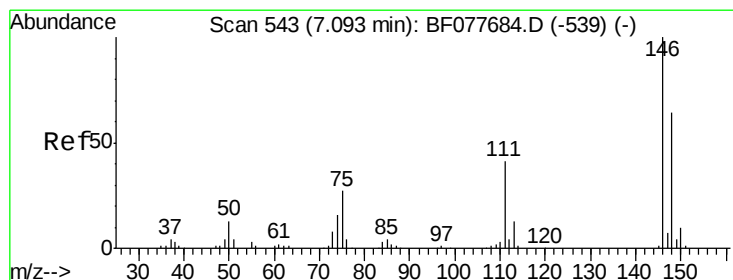
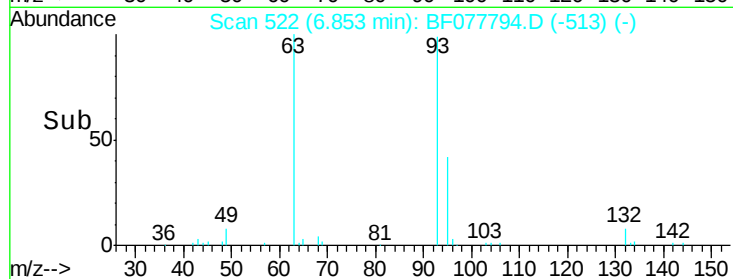
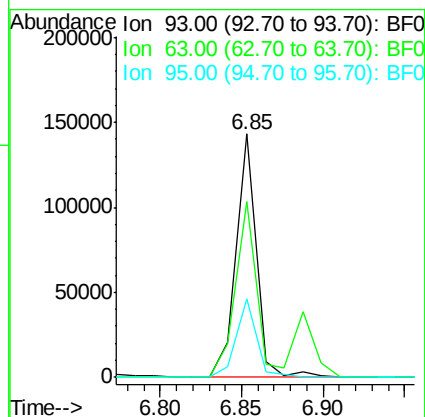
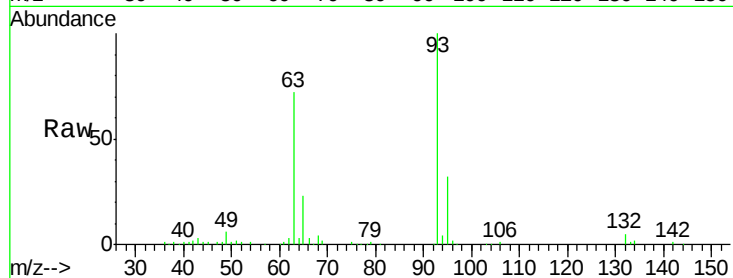
Tgt Ion: 93 Resp: 120863

Ion Ratio Lower Upper

93 100

63 72.3 49.5 89.5

95 32.1 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 42.20 ng

RT: 7.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

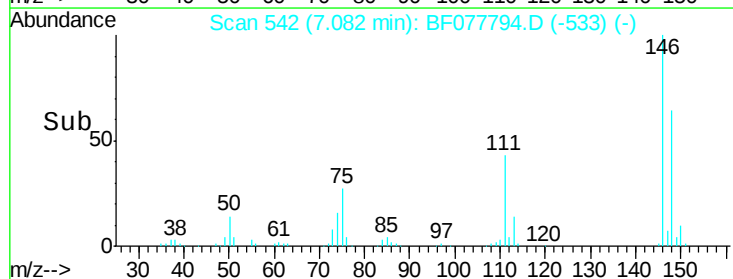
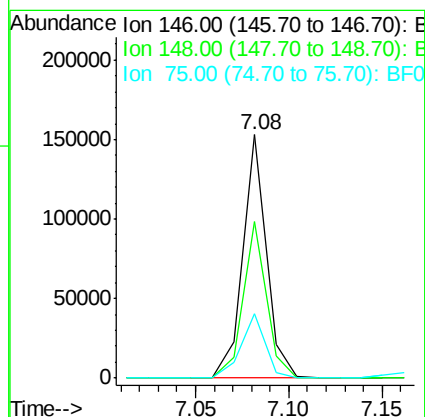
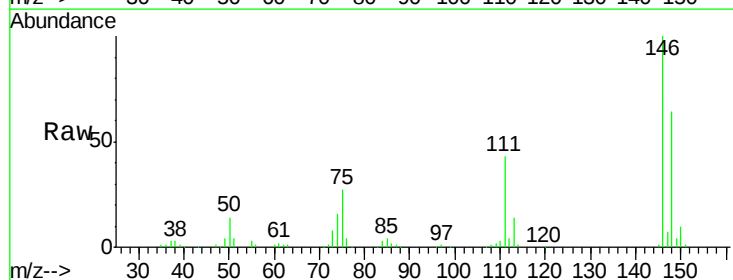
Tgt Ion: 146 Resp: 135848

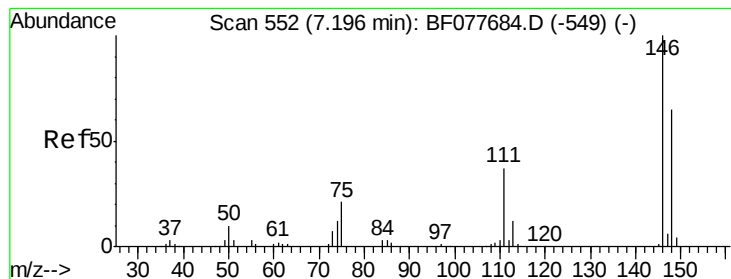
Ion Ratio Lower Upper

146 100

148 64.1 50.9 76.3

75 26.5 21.4 32.2

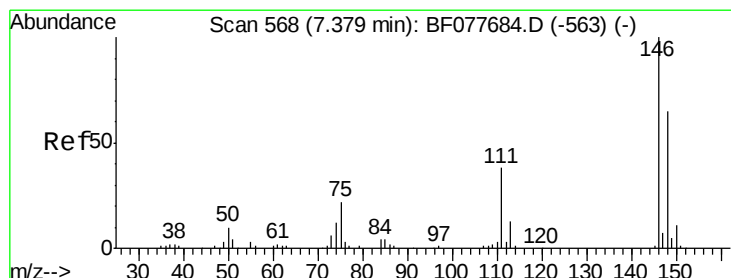
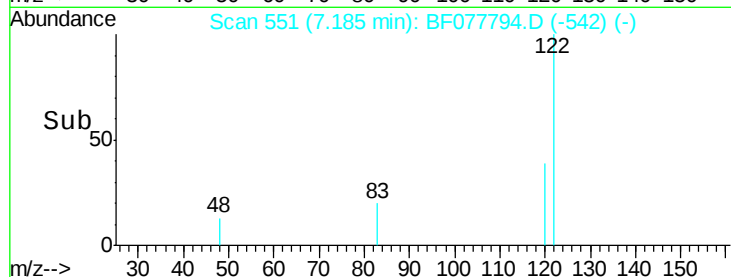
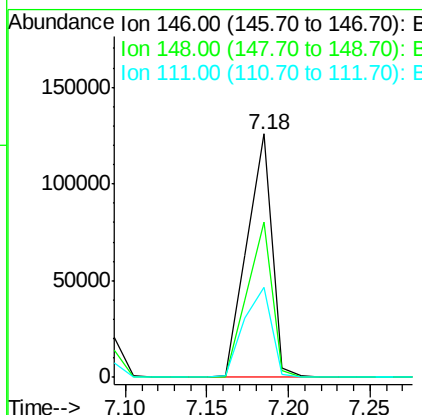
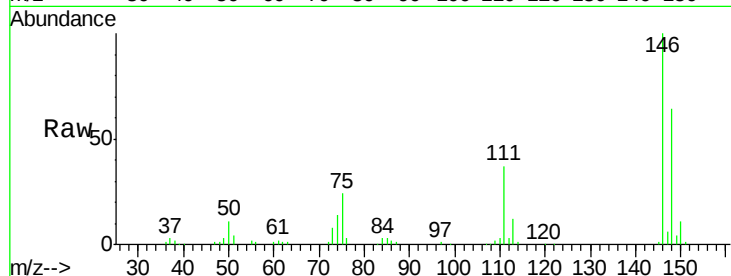




#13
 1,4-Dichlorobenzene
 Concen: 40.06 ng
 RT: 7.18 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

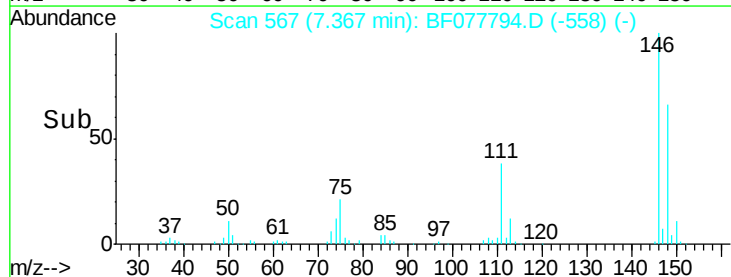
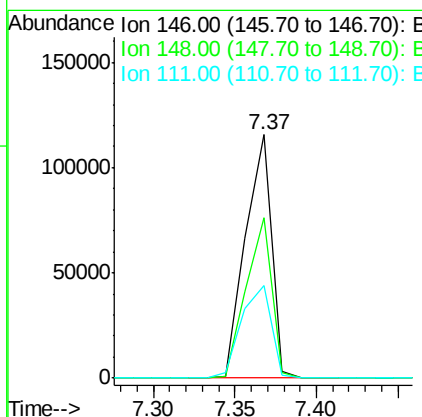
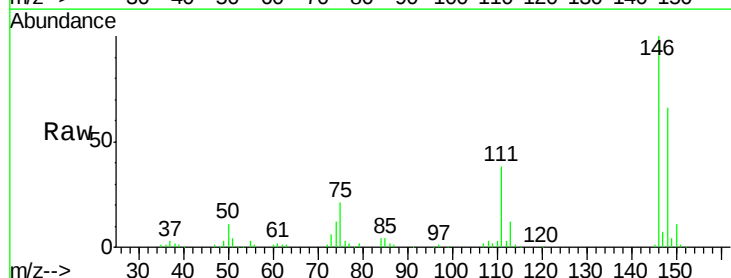
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

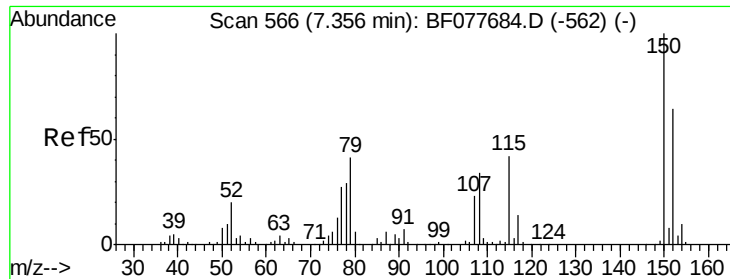
Tgt Ion:146 Resp: 134009
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.9 77.9
 111 36.8 29.2 43.8



#14
 1,2-Dichlorobenzene
 Concen: 41.75 ng
 RT: 7.37 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:146 Resp: 128018
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.3 78.5
 111 38.1 30.6 45.8

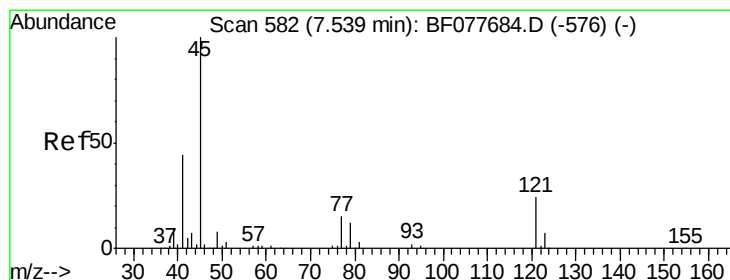
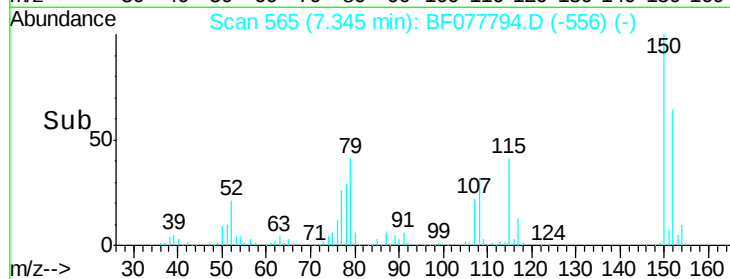
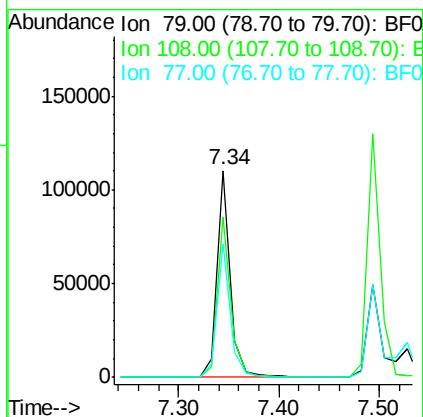
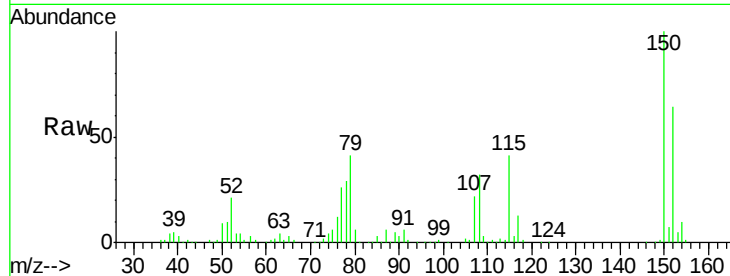




#15
Benzyl Alcohol
Concen: 43.13 ng
RT: 7.34 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

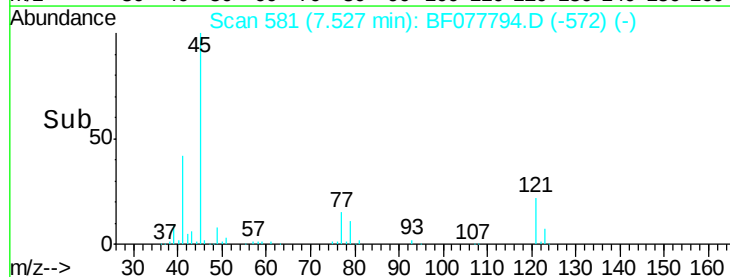
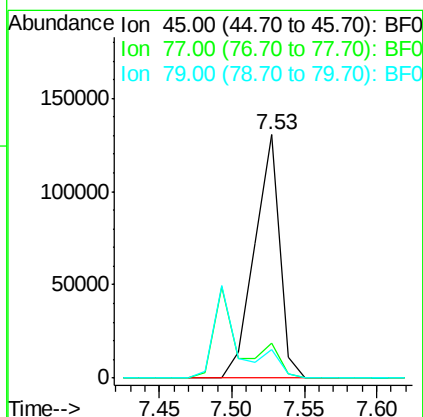
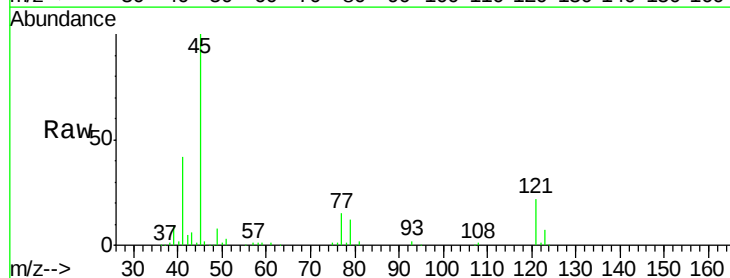
Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

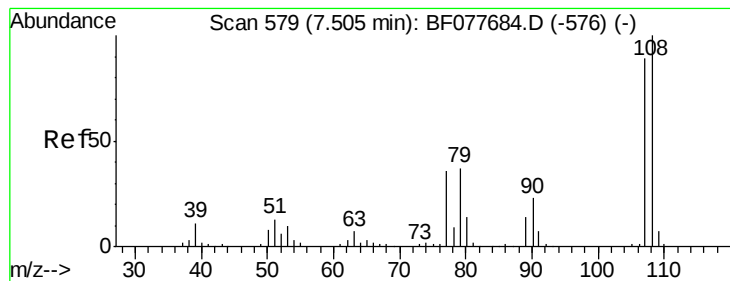
Tgt Ion: 79 Resp: 101140
Ion Ratio Lower Upper
79 100
108 77.7 65.0 97.4
77 64.7 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.70 ng
RT: 7.53 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion: 45 Resp: 156649
Ion Ratio Lower Upper
45 100
77 14.5 0.0 35.2
79 11.6 0.0 32.0





#17

2-Methylphenol

Concen: 42.72 ng

RT: 7.49 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

Tgt Ion:107 Resp: 100665

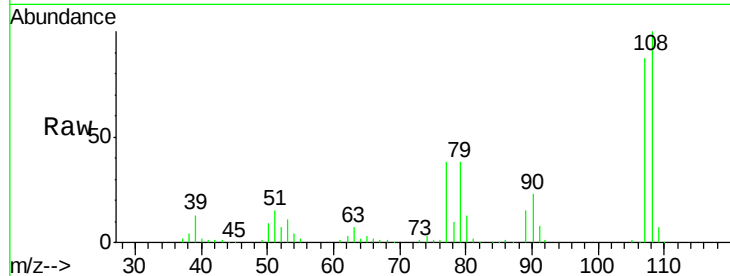
Ion Ratio Lower Upper

107 100

108 114.9 89.8 134.8

77 43.5 32.6 48.8

79 43.7 32.8 49.2

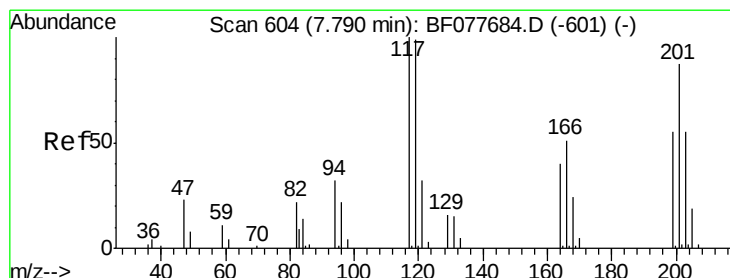
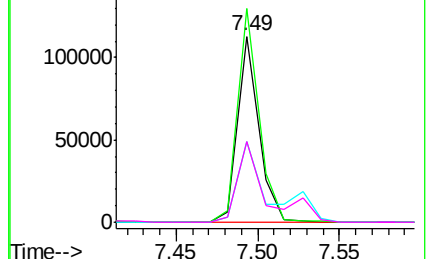
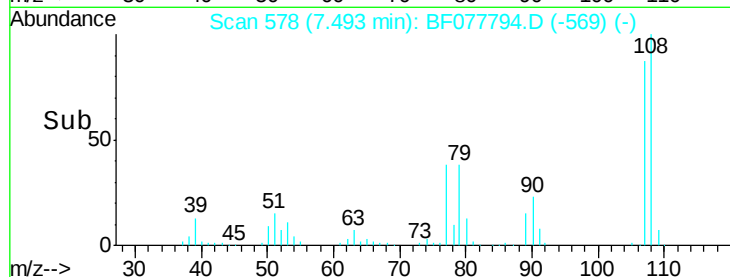


Abundance Ion 107.00 (106.70 to 107.70): E

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: 41.56 ng

RT: 7.78 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

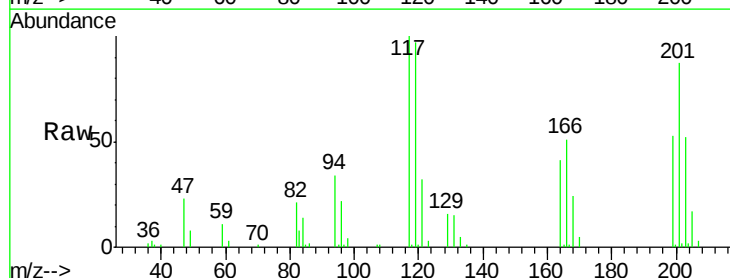
Tgt Ion:117 Resp: 45587

Ion Ratio Lower Upper

117 100

119 96.8 79.2 118.8

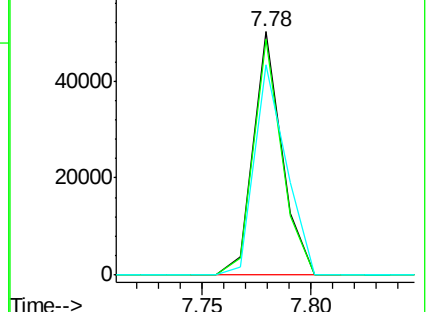
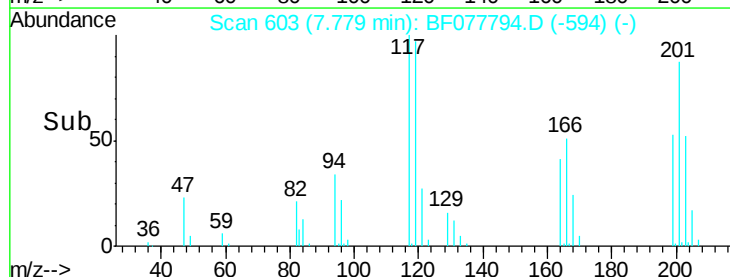
201 86.6 69.8 104.6

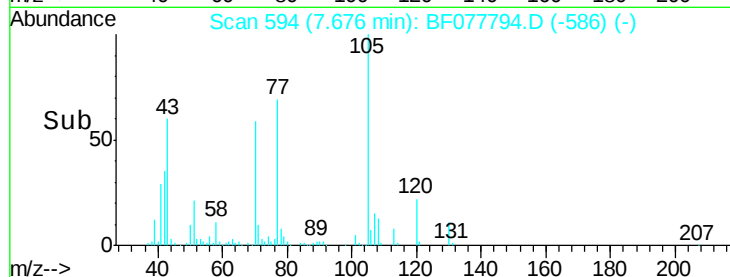
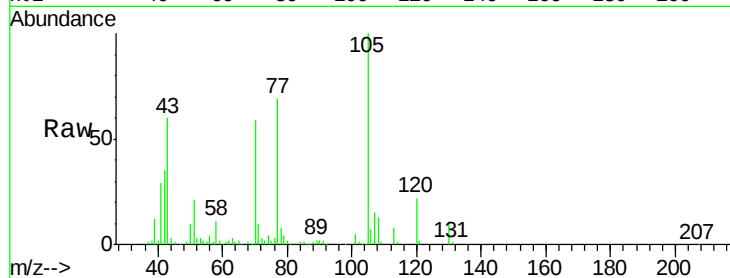
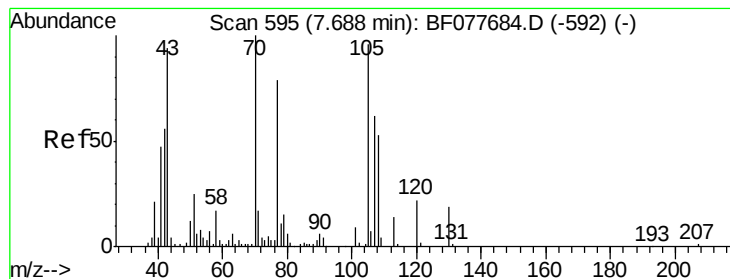


Abundance Ion 117.00 (116.70 to 117.70): E

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: 39.76 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

Tgt Ion: 70 Resp: 82635

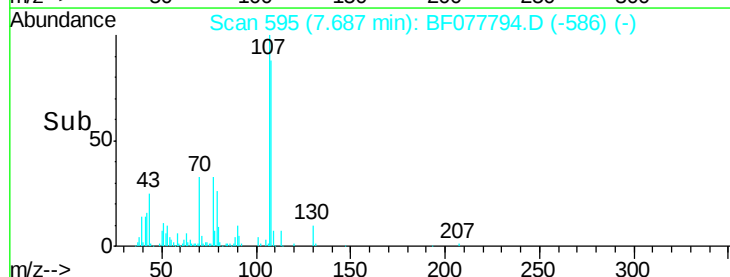
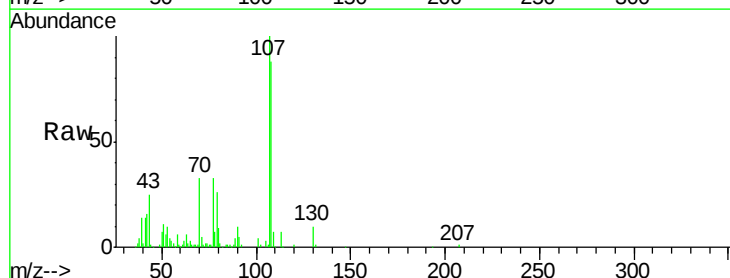
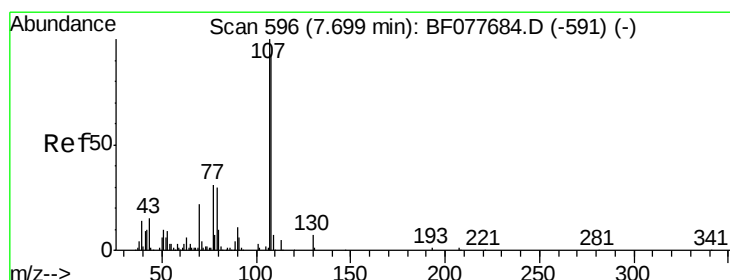
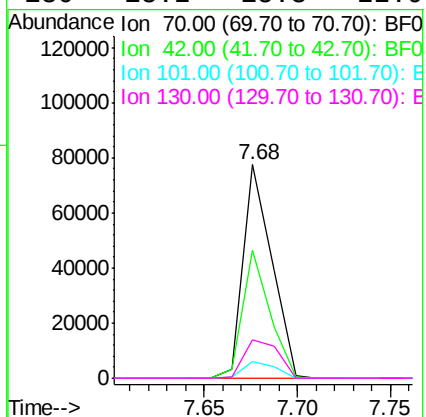
Ion Ratio Lower Upper

70 100

42 59.8 44.5 66.7

101 8.1 7.4 11.2

130 18.2 15.3 22.9



#20

3+4-Methylphenols

Concen: 43.06 ng

RT: 7.69 min Scan# 595

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Tgt Ion: 107 Resp: 133133

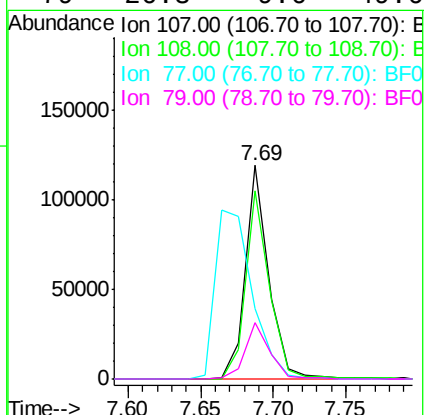
Ion Ratio Lower Upper

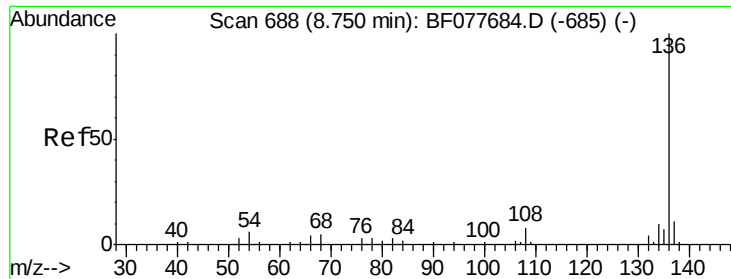
107 100

108 87.9 73.2 113.2

77 32.9 10.7 50.7

79 26.3 9.6 49.6

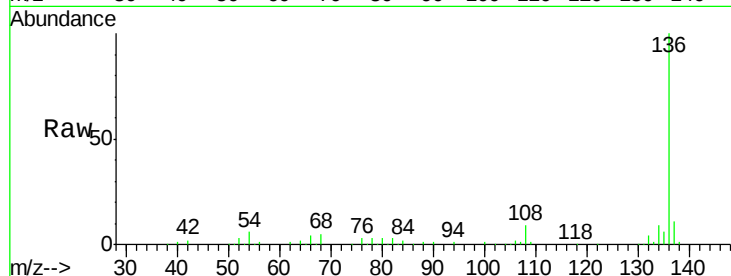




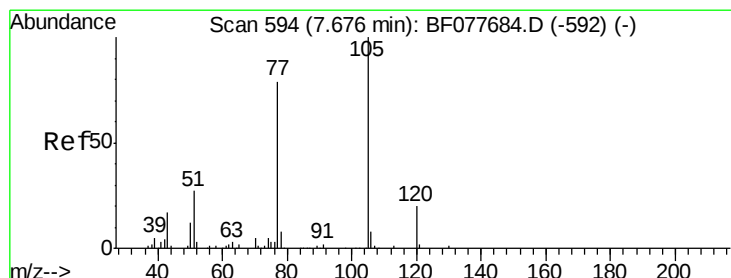
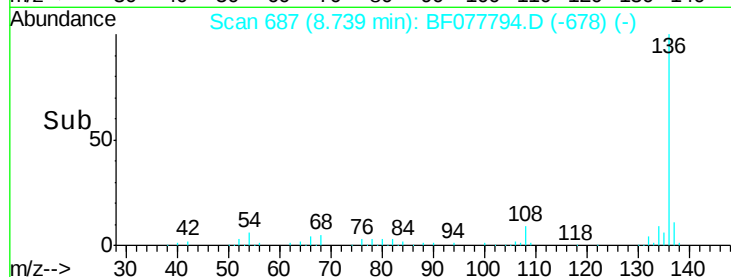
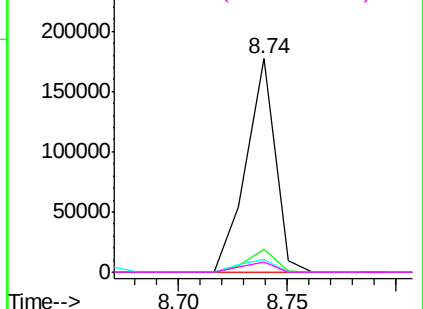
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.74 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion:	136	Resp:	165734
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.3	4.6	6.8
68	5.1	3.7	5.5

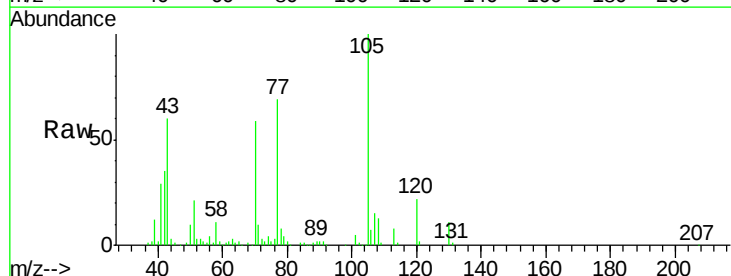


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

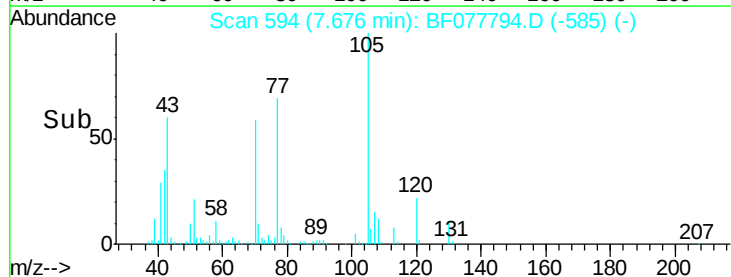
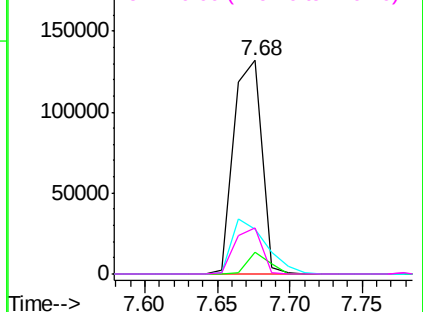


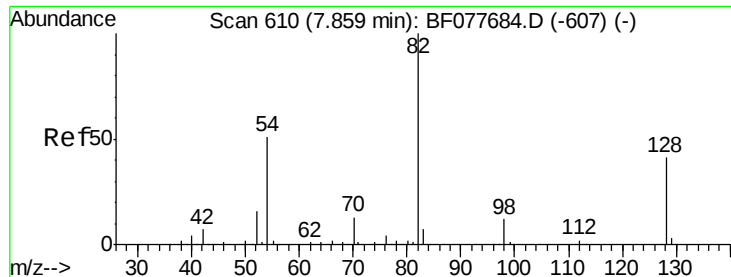
#22
Acetophenone
Concen: 48.21 ng
RT: 7.68 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:	105	Resp:	176896
Ion	Ratio	Lower	Upper
105	100		
71	10.1	0.6	1.0#
51	20.9	21.6	32.4#
120	21.6	16.1	24.1



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

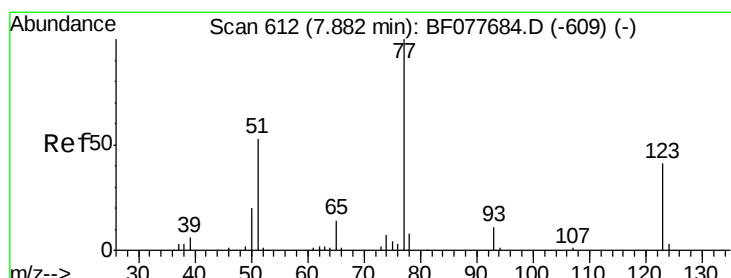
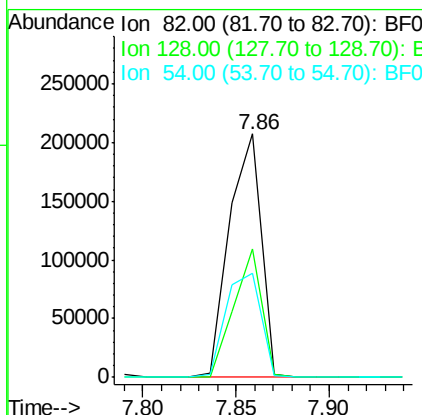
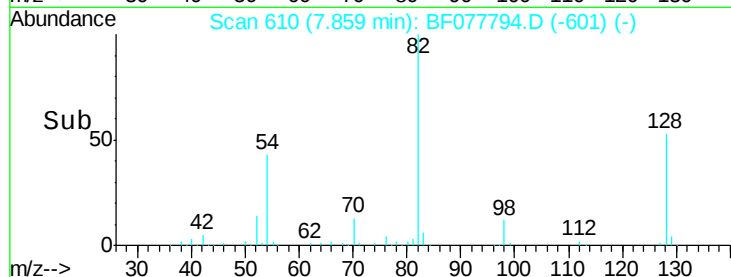
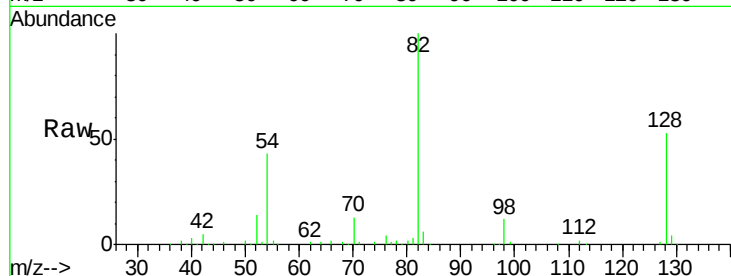




#23
 Nitrobenzene-d5
 Concen: 98.35 ng
 RT: 7.86 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

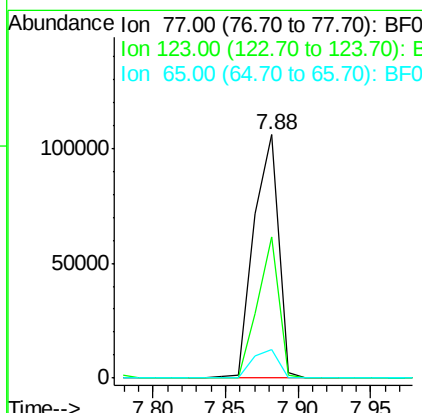
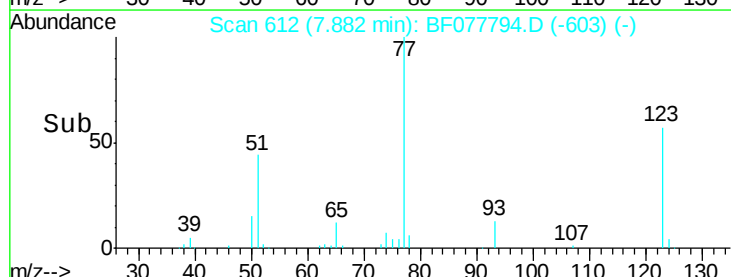
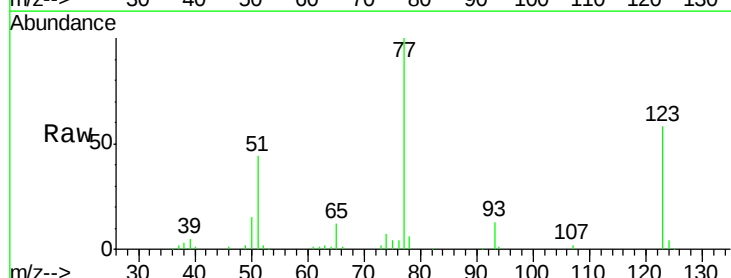
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

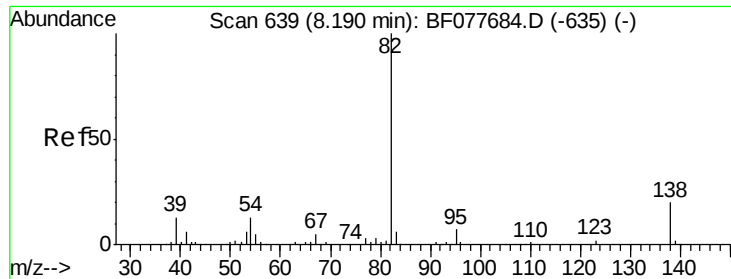
Tgt Ion: 82 Resp: 248661
 Ion Ratio Lower Upper
 82 100
 128 52.9 32.8 49.2#
 54 42.7 40.6 60.8



#24
 Nitrobenzene
 Concen: 45.77 ng
 RT: 7.88 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion: 77 Resp: 124663
 Ion Ratio Lower Upper
 77 100
 123 58.1 32.6 49.0#
 65 11.9 10.9 16.3





#25

Isophorone

Concen: 45.31 ng

RT: 8.18 min Scan# 638

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

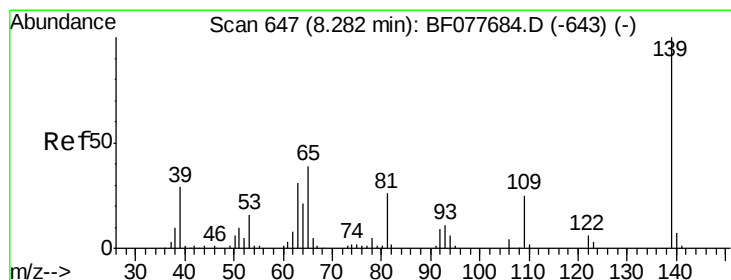
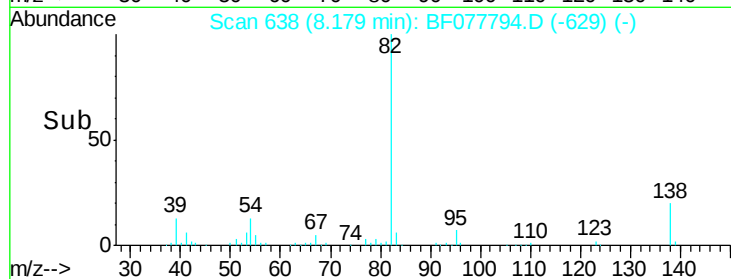
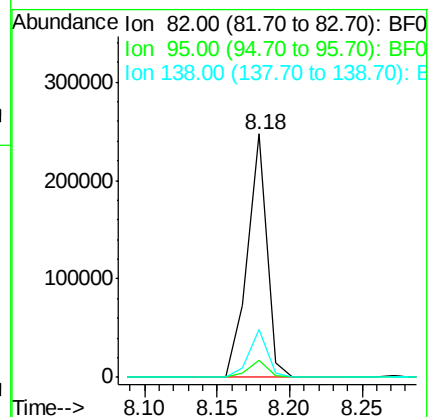
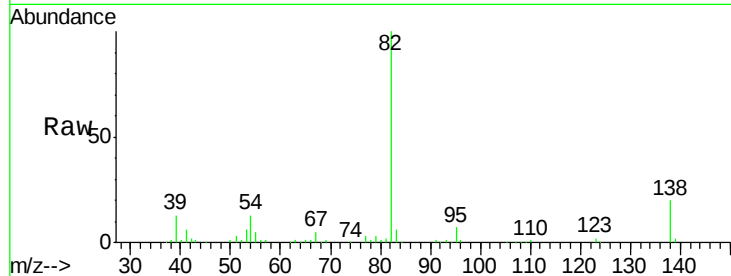
Tgt Ion: 82 Resp: 231372

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 19.7 16.3 24.5



#26

2-Nitrophenol

Concen: 47.50 ng

RT: 8.27 min Scan# 646

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

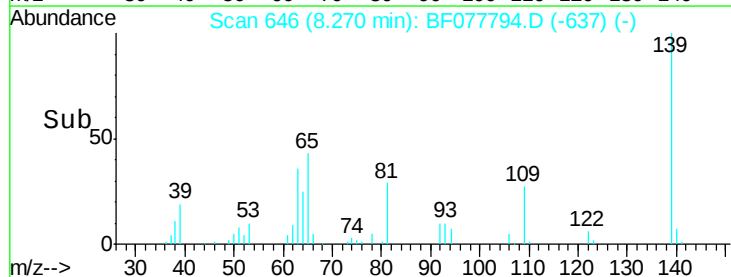
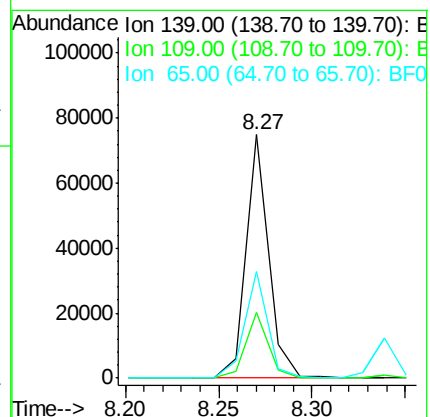
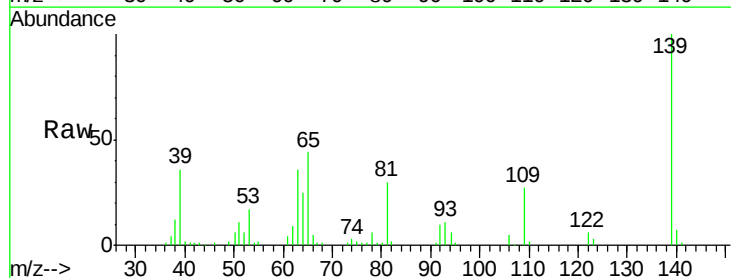
Tgt Ion: 139 Resp: 63346

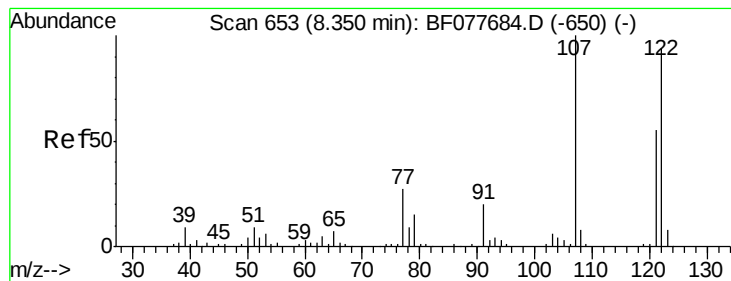
Ion Ratio Lower Upper

139 100

109 27.0 20.1 30.1

65 43.8 31.5 47.3





#27

2,4-Dimethylphenol

Concen: 47.83 ng

RT: 8.34 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

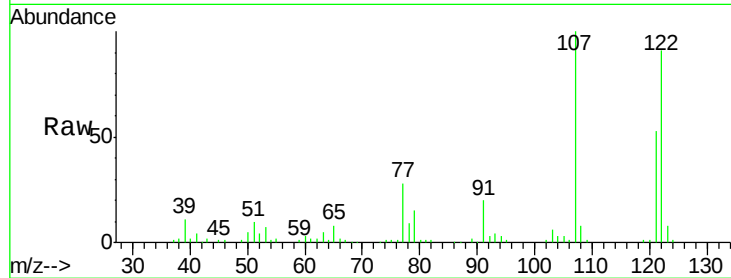
Tgt Ion:122 Resp: 116188

Ion Ratio Lower Upper

122 100

107 110.1 84.7 127.1

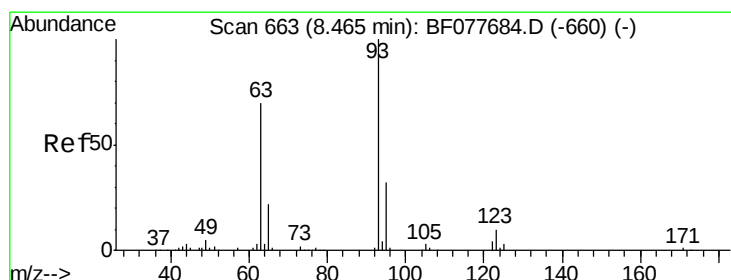
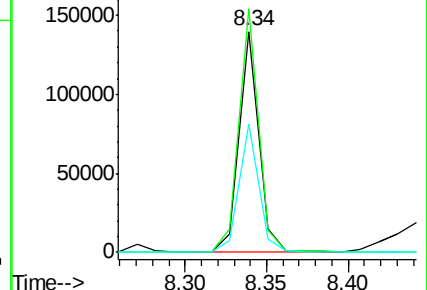
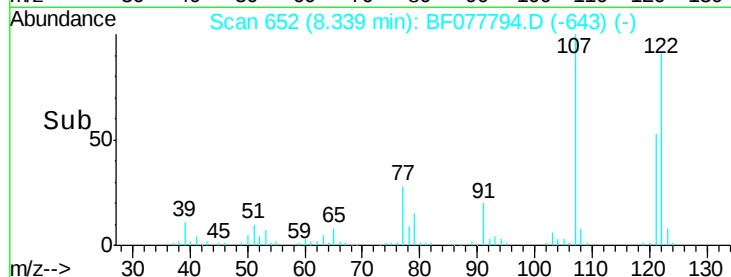
121 58.3 46.6 69.8



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: 47.51 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

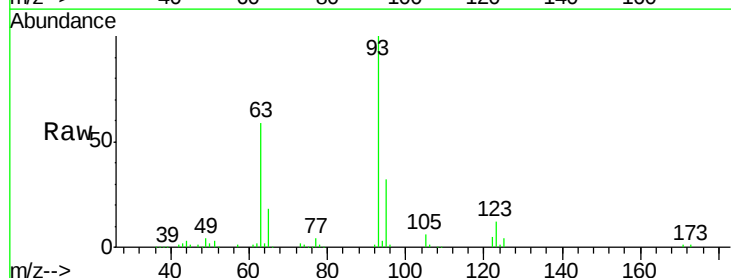
Tgt Ion: 93 Resp: 147257

Ion Ratio Lower Upper

93 100

95 32.3 25.5 38.3

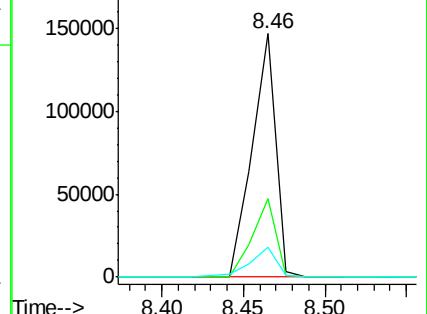
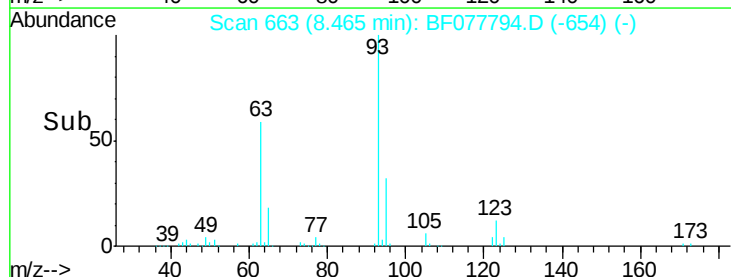
123 12.2 8.6 13.0

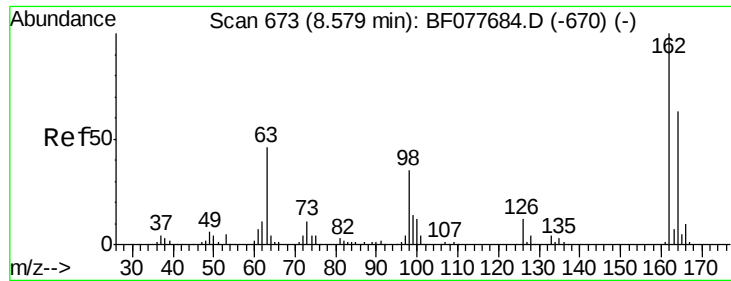


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

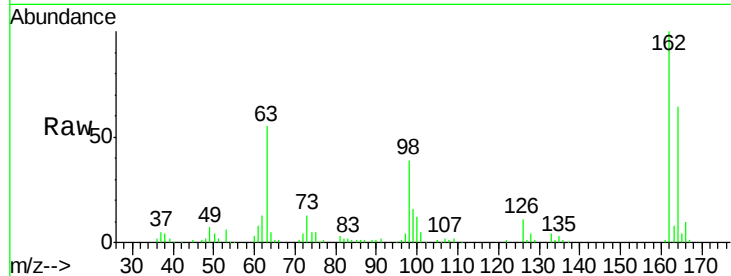




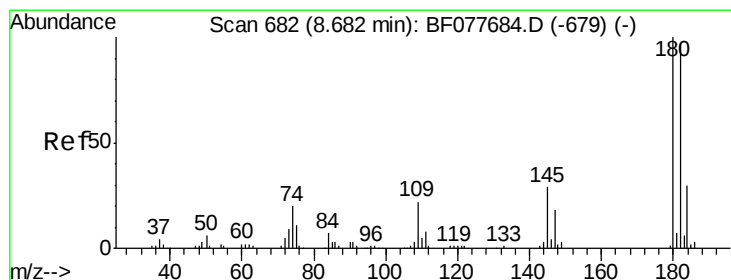
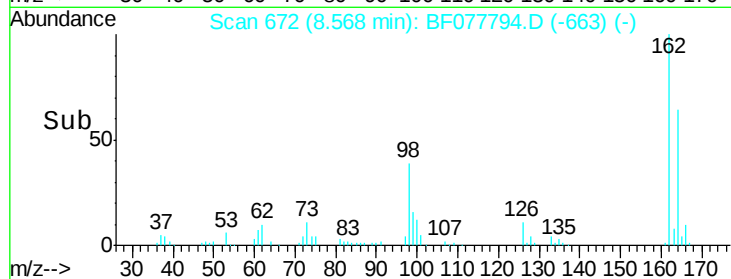
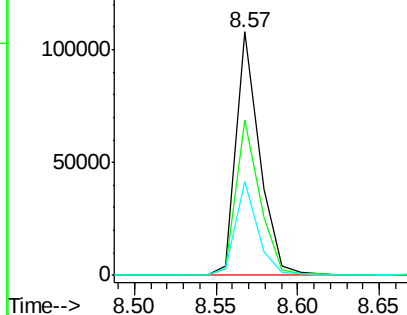
#29
2,4-Dichlorophenol
Concen: 46.55 ng
RT: 8.57 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.9	42.8	82.8
98	38.8	14.5	54.5

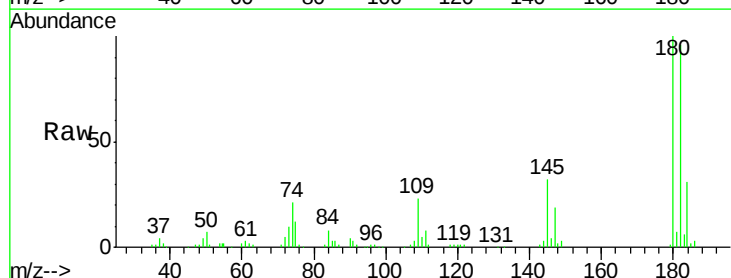


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

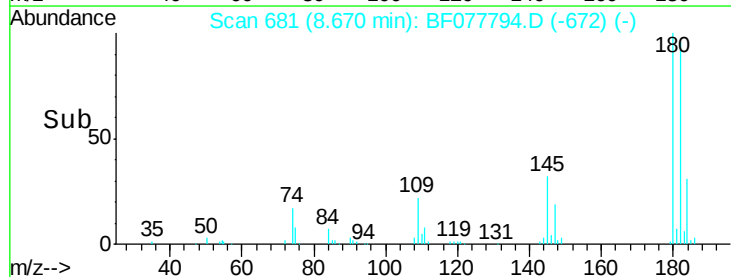
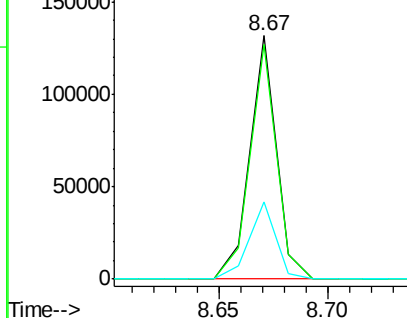


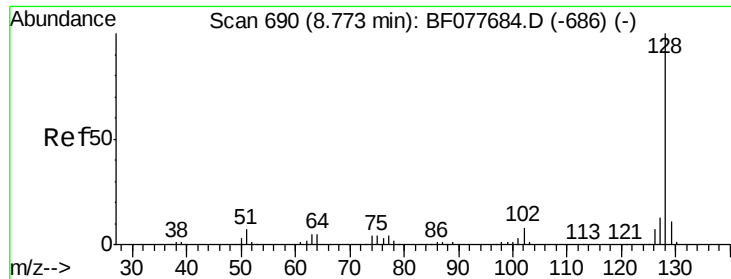
#30
1,2,4-Trichlorobenzene
Concen: 43.25 ng
RT: 8.67 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.6	116.4
145	31.6	23.4	35.2



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

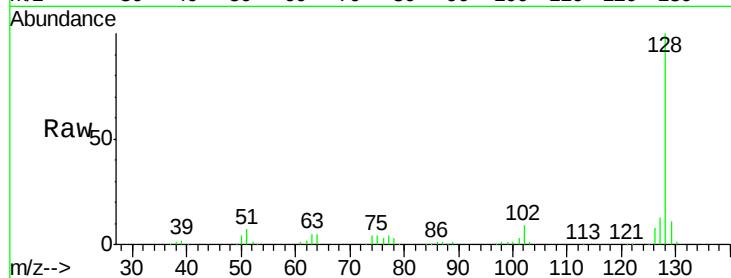




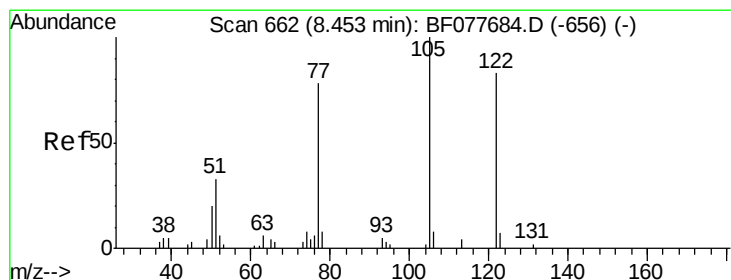
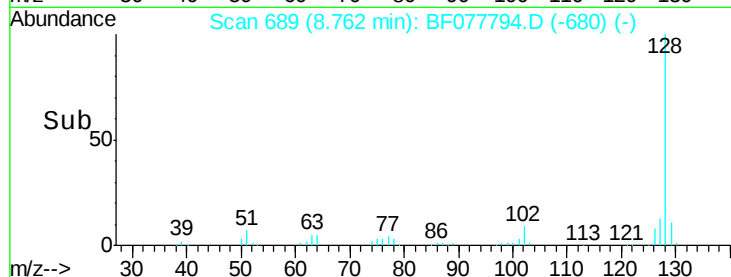
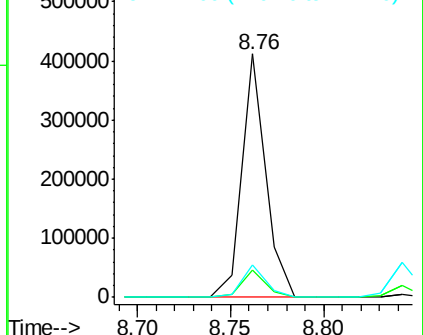
#31
Naphthalene
Concen: 43.13 ng
RT: 8.76 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion:128 Resp: 367144
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.2 10.4 15.6

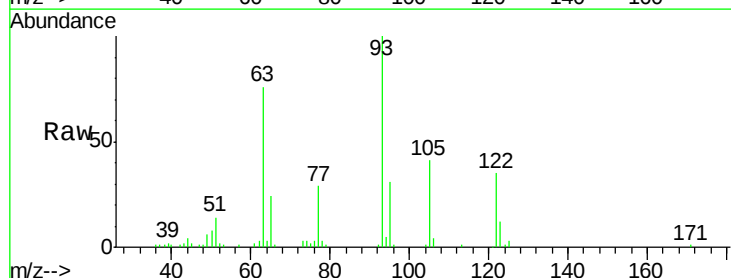


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

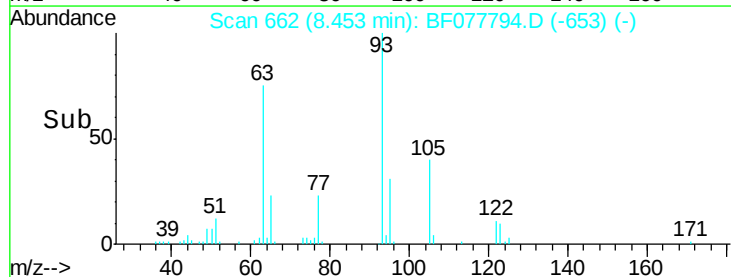
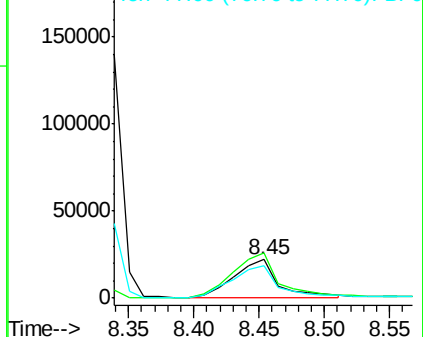


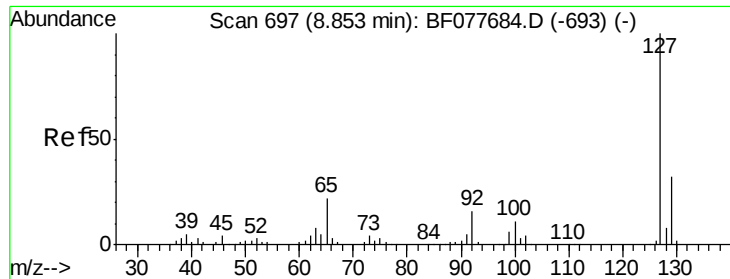
#32
Benzoic acid
Concen: 38.46 ng
RT: 8.45 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:122 Resp: 51229
Ion Ratio Lower Upper
122 100
105 117.3 99.9 139.9
77 83.0 73.7 113.7



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

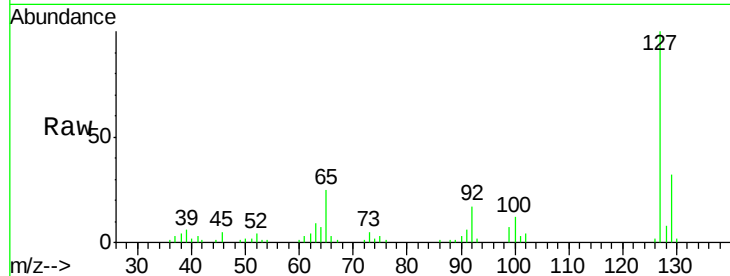




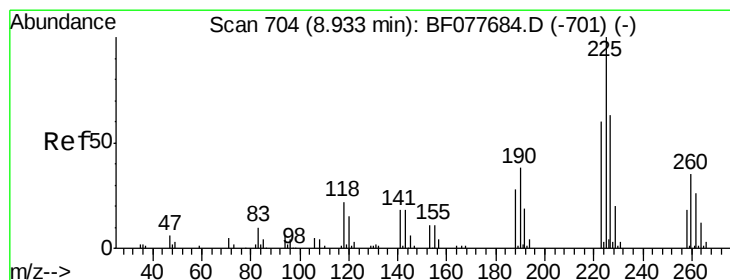
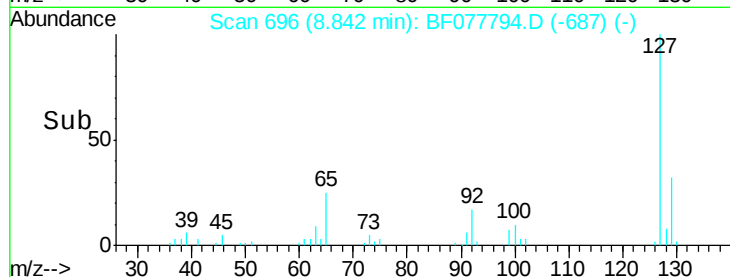
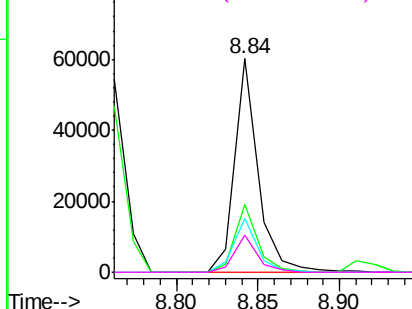
#33
4-Chloroaniline
Concen: 17.16 ng
RT: 8.84 min Scan# 696
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion:127 Resp: 59276
Ion Ratio Lower Upper
127 100
129 31.8 25.3 37.9
65 25.5 17.6 26.4
92 17.2 13.1 19.7

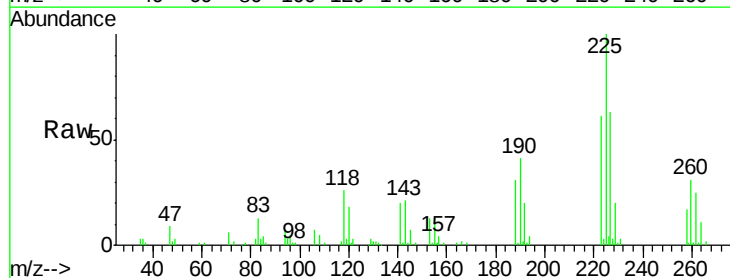


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

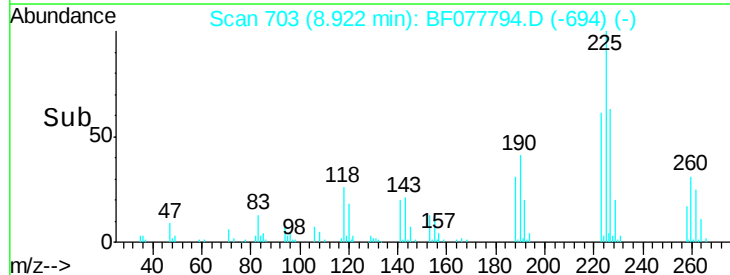
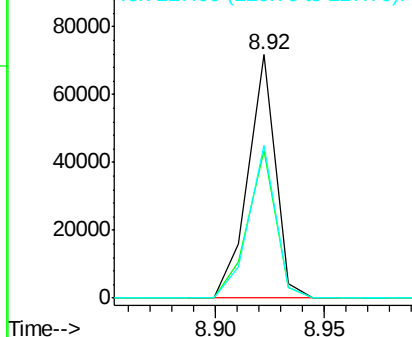


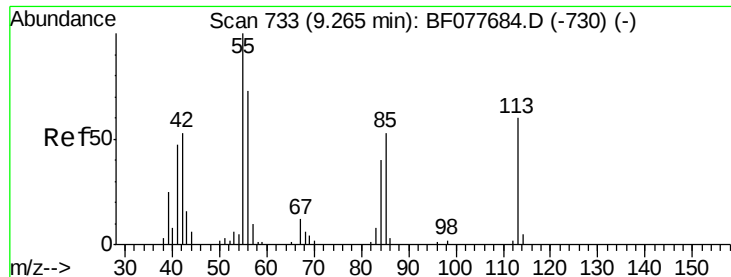
#34
Hexachlorobutadiene
Concen: 43.12 ng
RT: 8.92 min Scan# 703
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:225 Resp: 63323
Ion Ratio Lower Upper
225 100
223 60.7 47.9 71.9
227 62.9 50.1 75.1



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

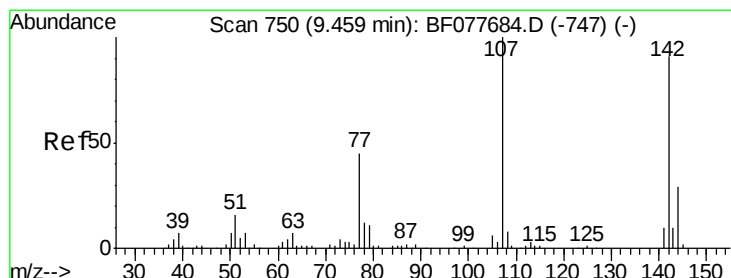
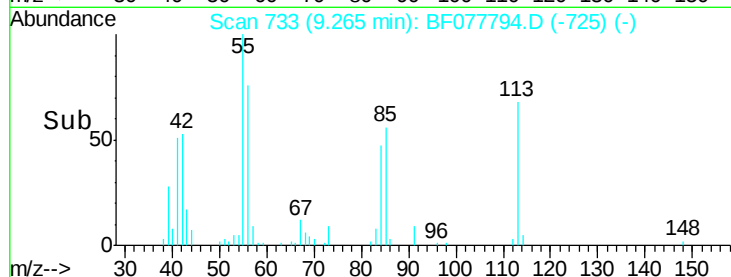
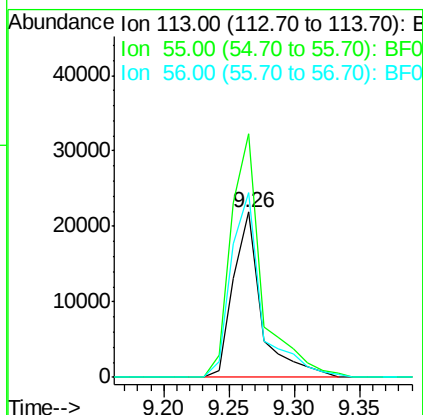
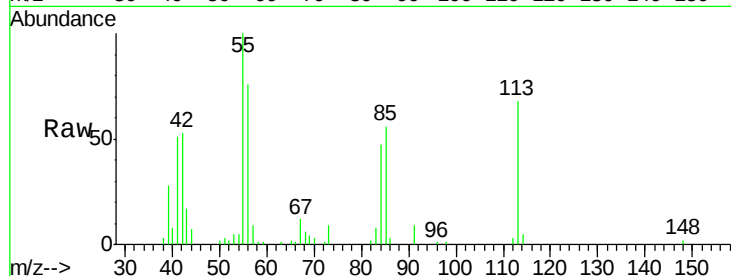




#35
 Caprolactam
 Concen: 48.58 ng
 RT: 9.26 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

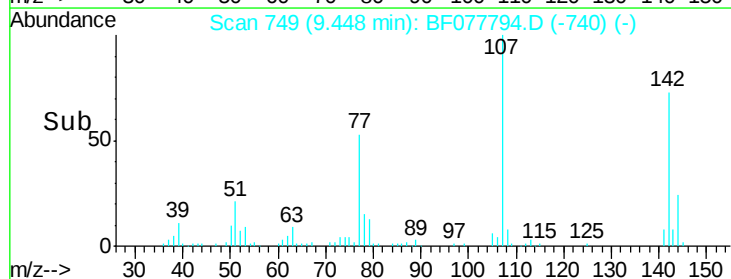
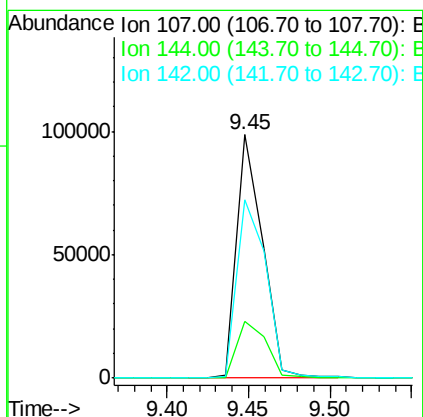
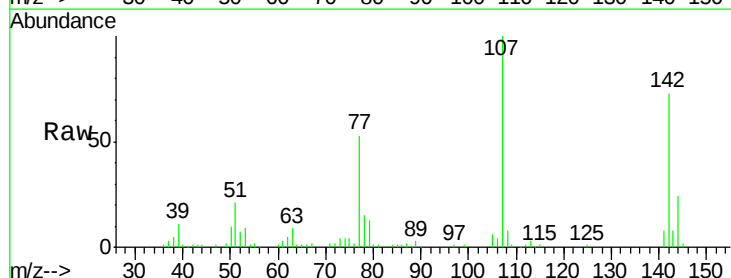
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

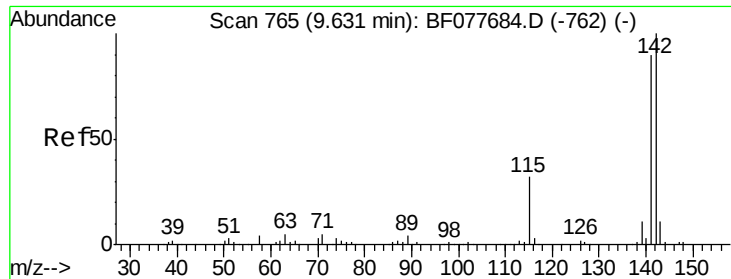
Tgt Ion:113 Resp: 32877
 Ion Ratio Lower Upper
 113 100
 55 147.3 145.9 185.9
 56 111.8 101.0 141.0



#36
 4-Chloro-3-methylphenol
 Concen: 46.73 ng
 RT: 9.45 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:107 Resp: 108876
 Ion Ratio Lower Upper
 107 100
 144 23.5 23.3 34.9
 142 73.3 72.6 109.0

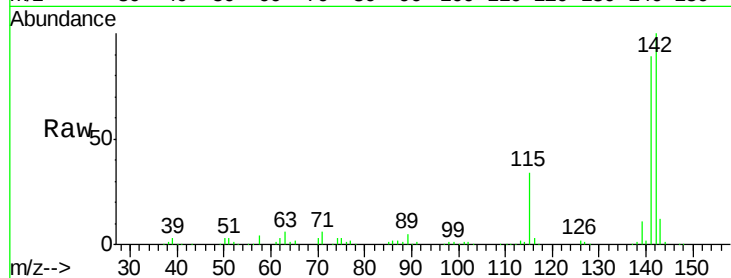




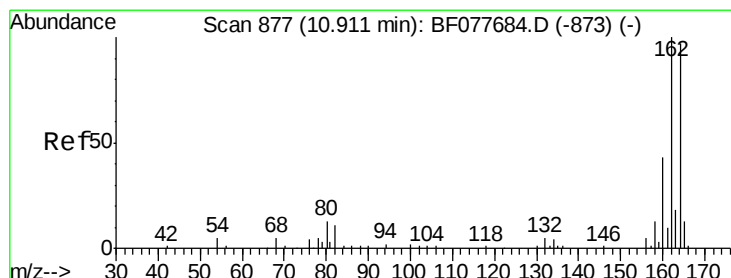
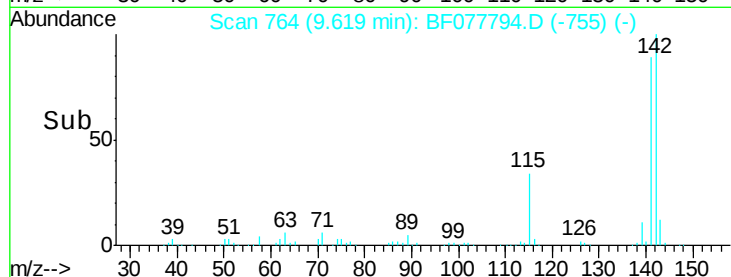
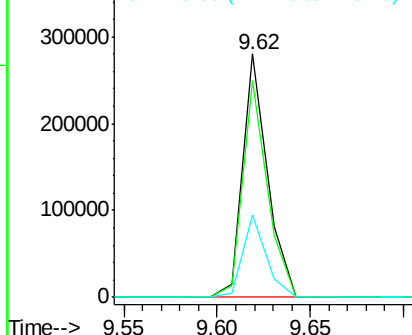
#37
 2-Methylnaphthalene
 Concen: 45.38 ng
 RT: 9.62 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion:142 Resp: 259510
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.9 107.9
 115 33.8 25.4 38.0

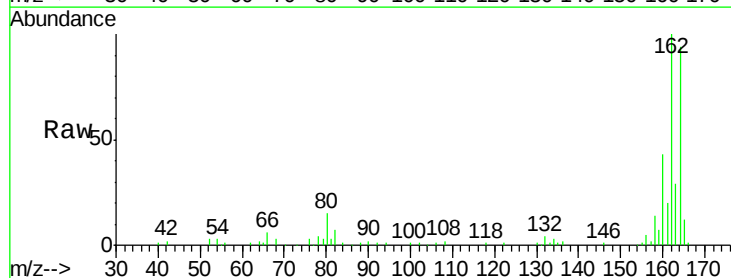


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

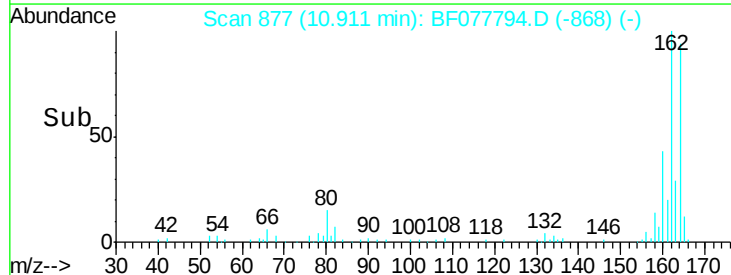
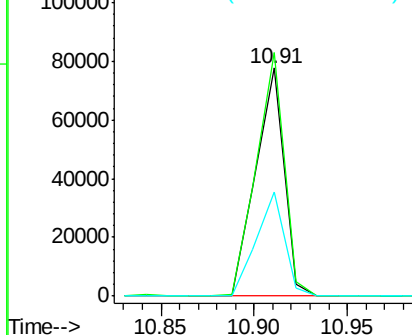


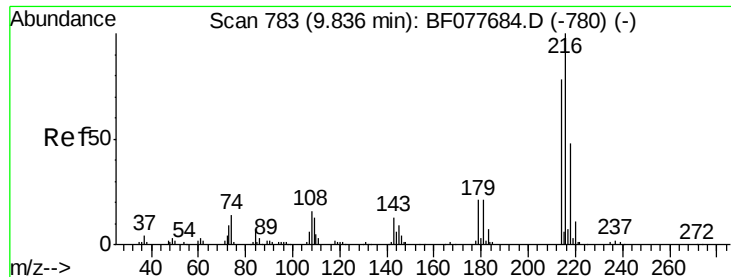
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:164 Resp: 81249
 Ion Ratio Lower Upper
 164 100
 162 106.9 82.4 123.6
 160 45.7 35.8 53.6



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

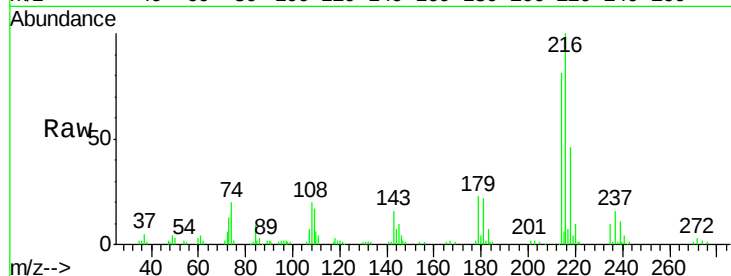




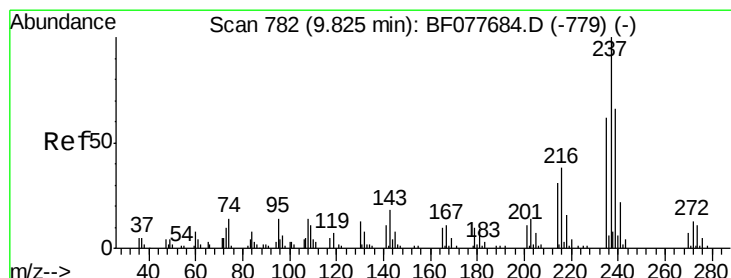
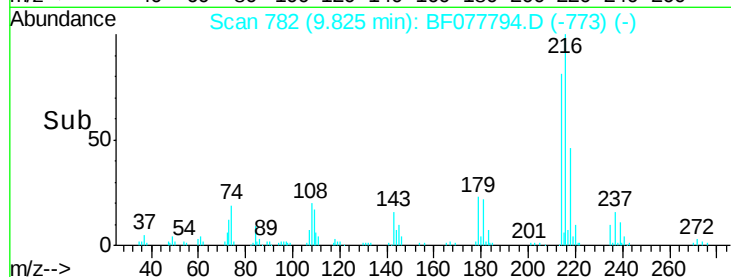
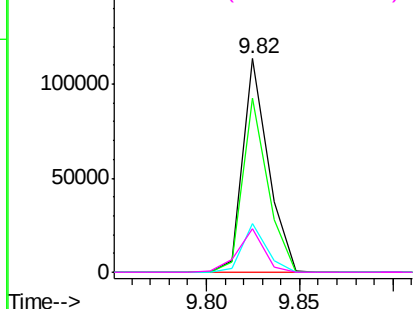
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.66 ng
 RT: 9.82 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion:	216	Resp:	108220
Ion	Ratio	Lower	Upper
216	100		
214	79.9	0.0	0.0#
179	21.8	0.0	0.0#
108	21.1	0.0	0.0#

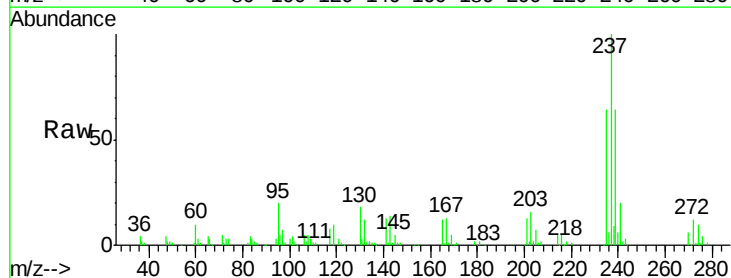


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

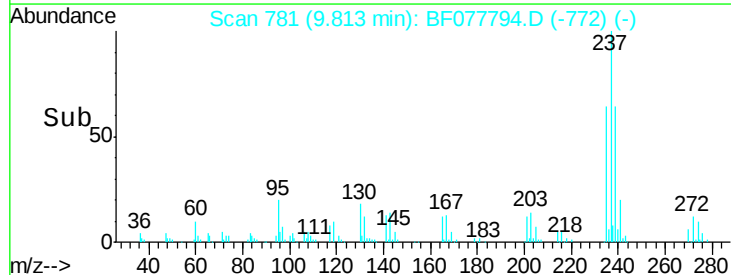
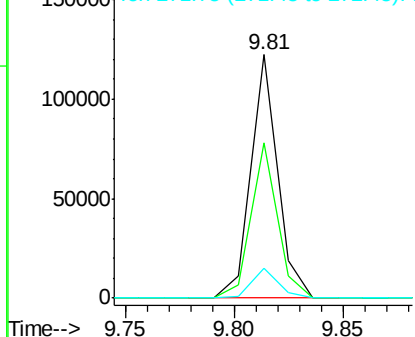


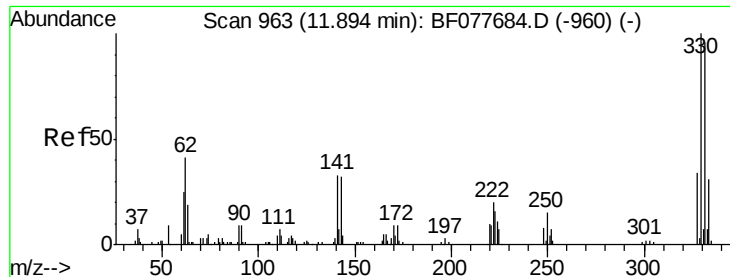
#40
 Hexachlorocyclopentadiene
 Concen: 85.66 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:	237	Resp:	104195
Ion	Ratio	Lower	Upper
237	100		
235	63.9	42.0	82.0
272	12.2	0.0	33.4



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

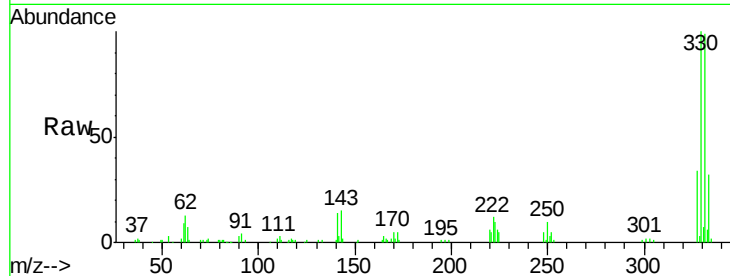




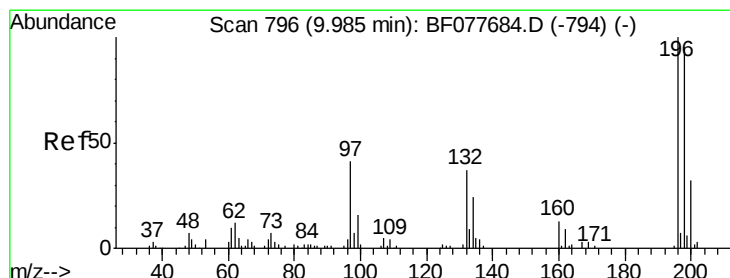
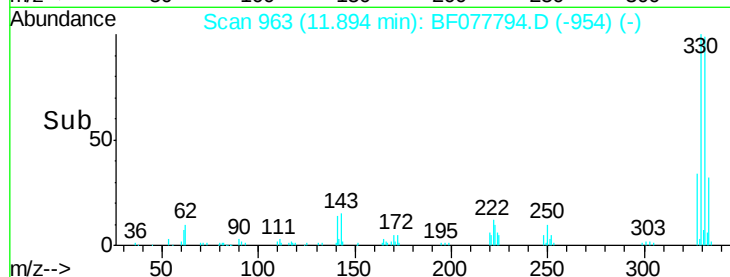
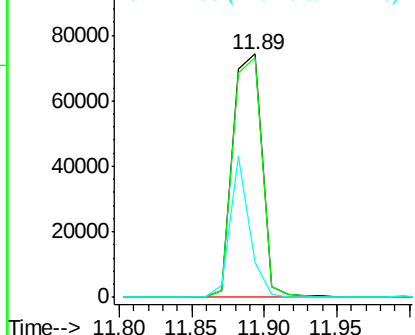
#41
 2,4,6-Tribromophenol
 Concen: 133.38 ng
 RT: 11.89 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion:330 Resp: 103687
 Ion Ratio Lower Upper
 330 100
 332 98.7 0.0 0.0#
 141 38.5 0.0 0.0#

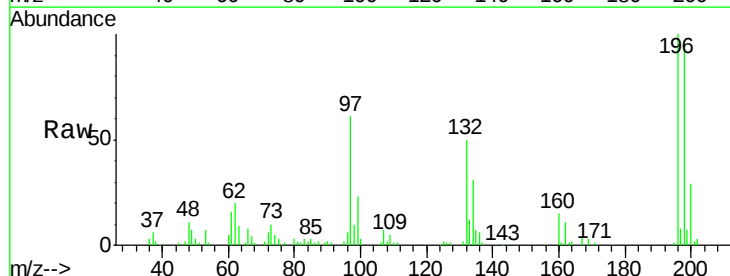


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

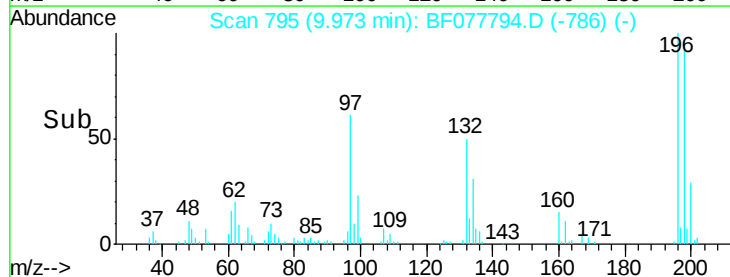
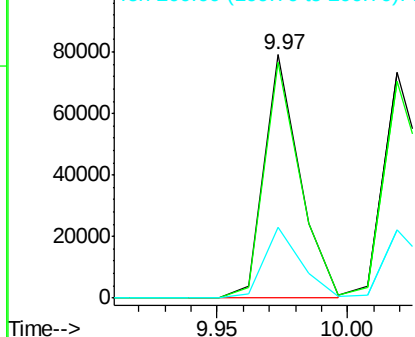


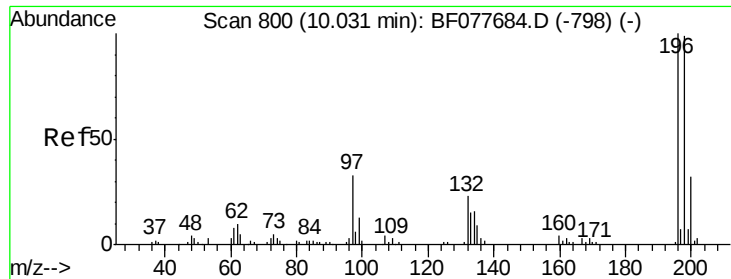
#42
 2,4,6-Trichlorophenol
 Concen: 44.31 ng
 RT: 9.97 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:196 Resp: 74381
 Ion Ratio Lower Upper
 196 100
 198 96.7 76.3 114.5
 200 29.3 25.6 38.4



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

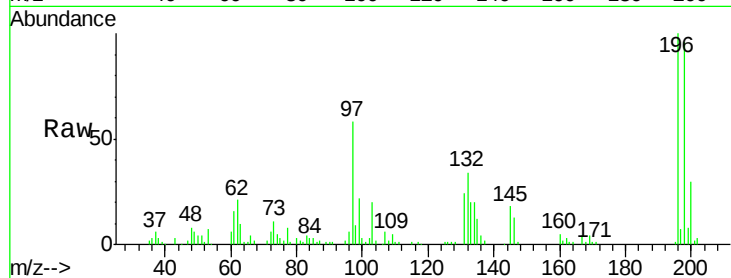




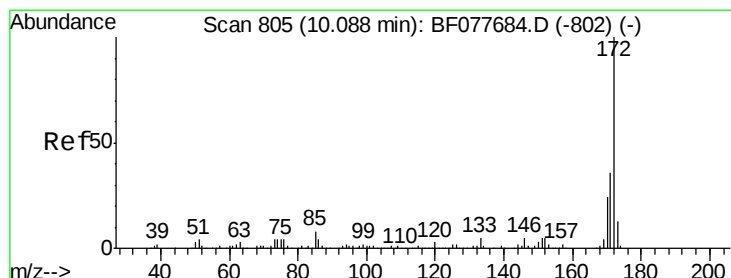
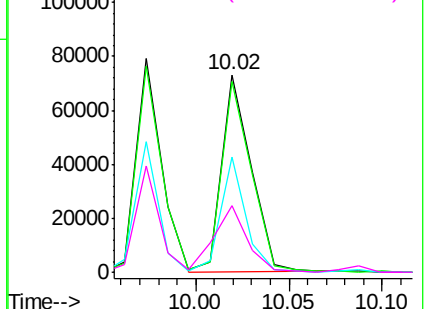
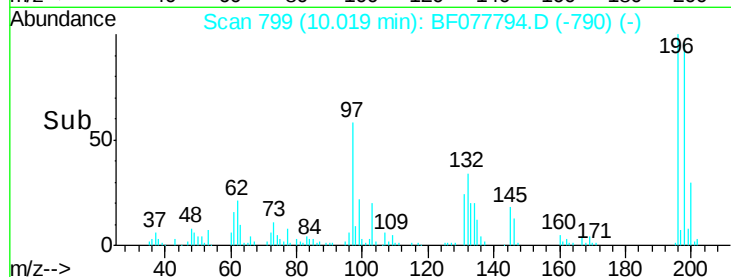
#43
 2,4,5-Trichlorophenol
 Concen: 44.08 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion:196 Resp: 79937
 Ion Ratio Lower Upper
 196 100
 198 96.3 79.4 119.0
 97 58.4 26.8 40.2#
 132 33.8 18.6 28.0#

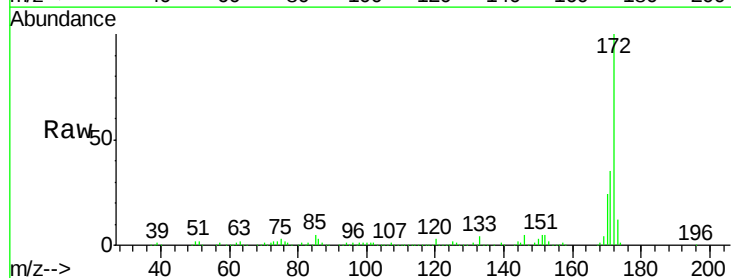


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

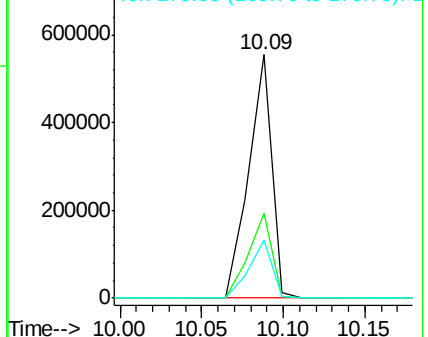
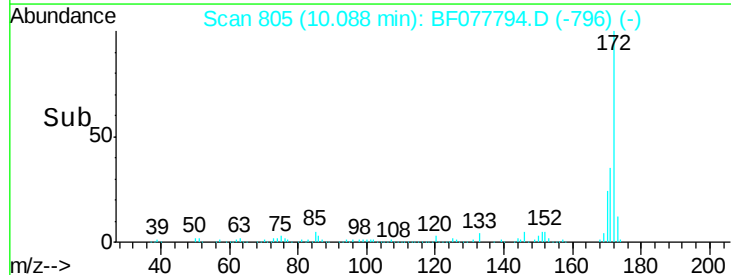


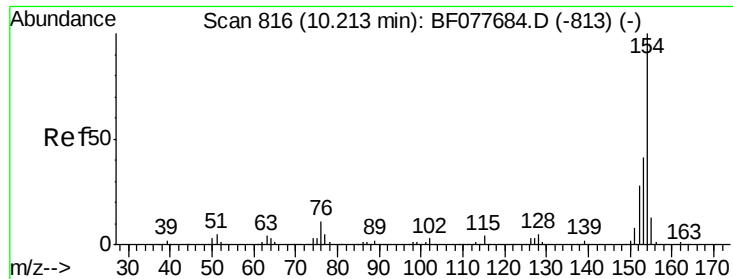
#44
 2-Fluorobiphenyl
 Concen: 98.33 ng
 RT: 10.09 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:172 Resp: 543650
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.7 18.8 28.2



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

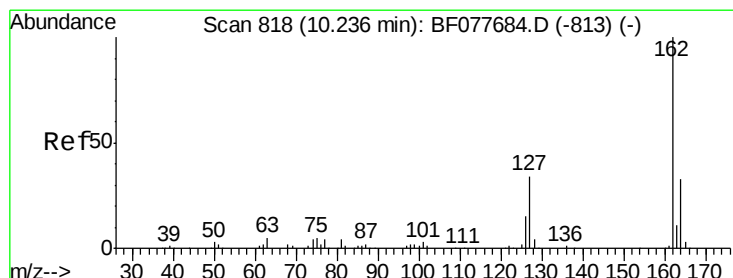
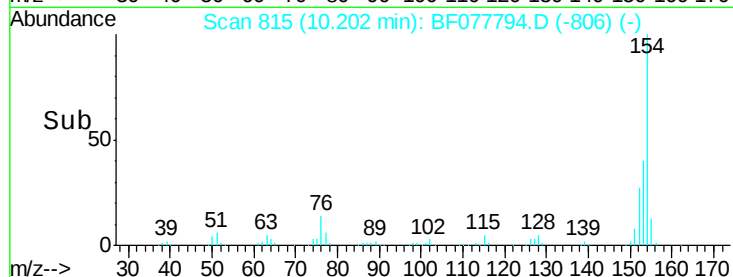
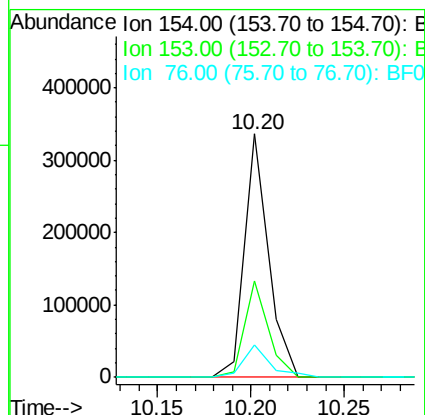
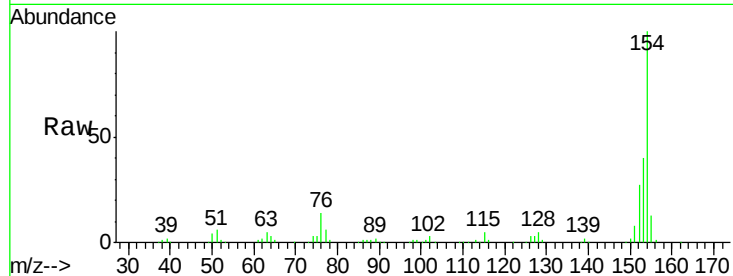




#45
1,1'-Biphenyl
Concen: 46.43 ng
RT: 10.20 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

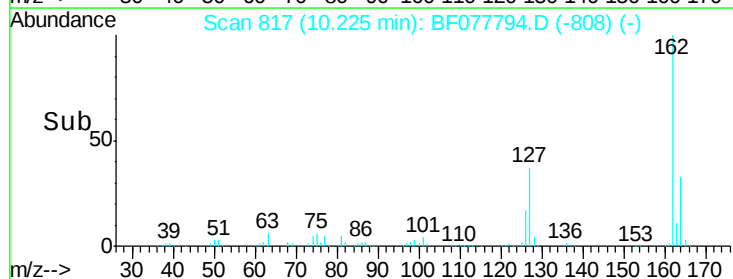
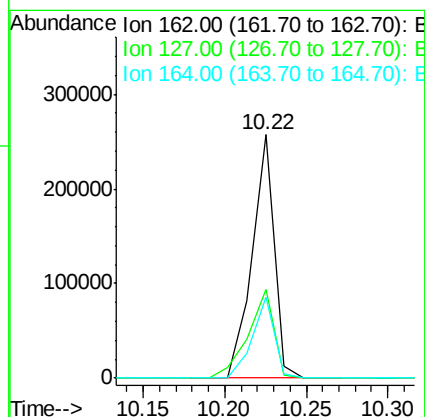
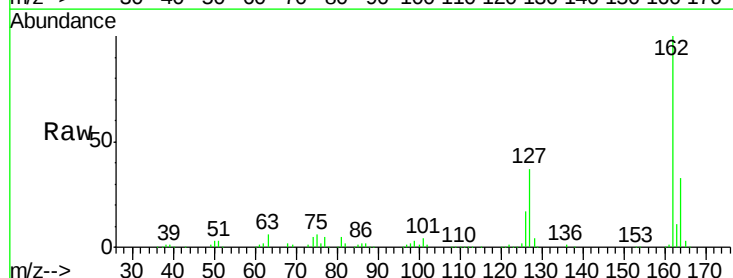
Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

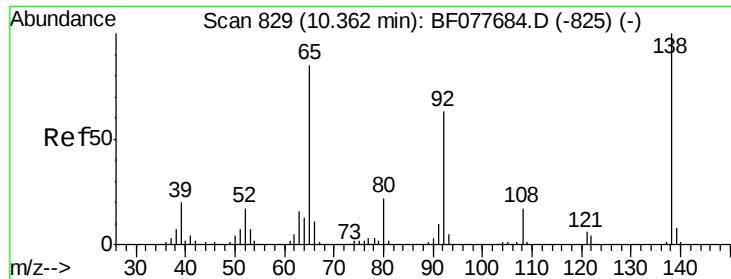
Tgt Ion:154 Resp: 301562
Ion Ratio Lower Upper
154 100
153 39.8 20.7 60.7
76 13.6 0.0 30.9



#46
2-Chloronaphthalene
Concen: 45.83 ng
RT: 10.22 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:162 Resp: 241880
Ion Ratio Lower Upper
162 100
127 36.7 26.9 40.3
164 33.5 26.8 40.2

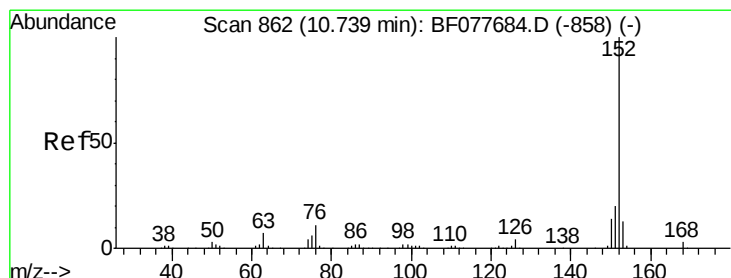
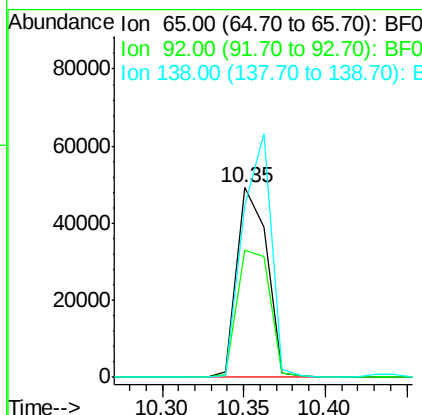
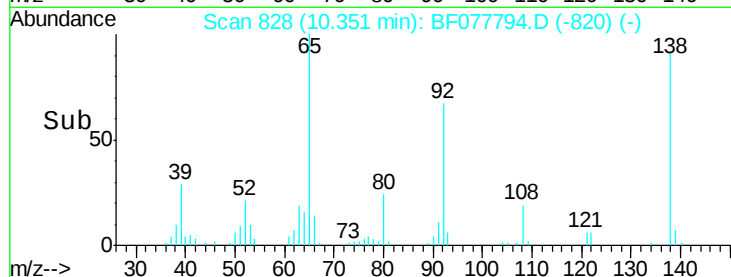
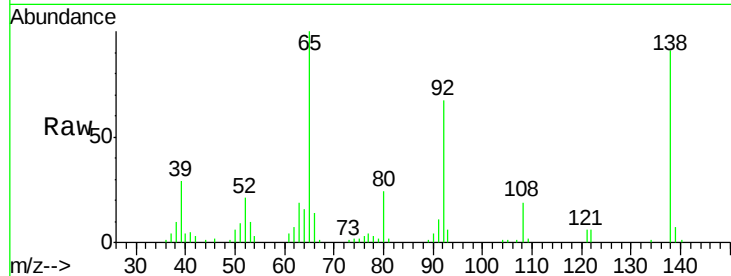




#47
 2-Nitroaniline
 Concen: 47.78 ng
 RT: 10.35 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

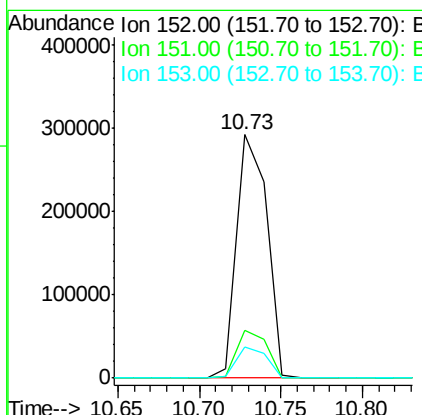
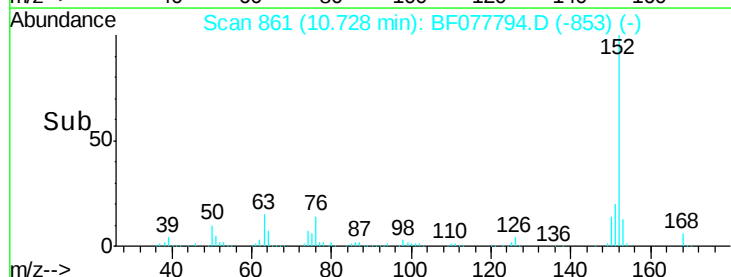
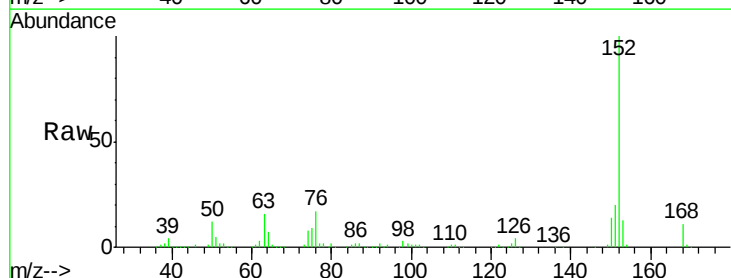
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

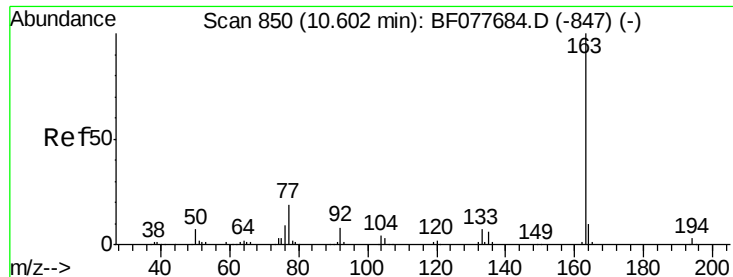
Tgt Ion: 65 Resp: 62633
 Ion Ratio Lower Upper
 65 100
 92 67.2 59.1 88.7
 138 91.0 93.9 140.9#



#48
 Acenaphthylene
 Concen: 42.40 ng
 RT: 10.73 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion: 152 Resp: 372142
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.9 23.9
 153 13.0 10.6 16.0

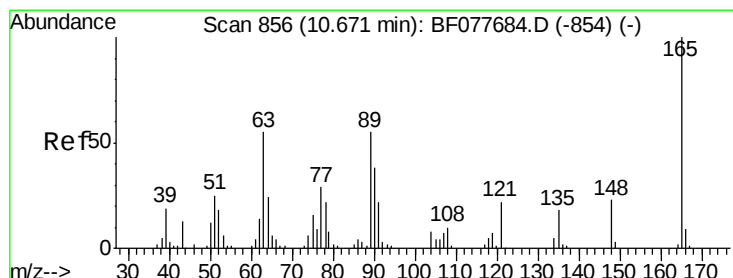
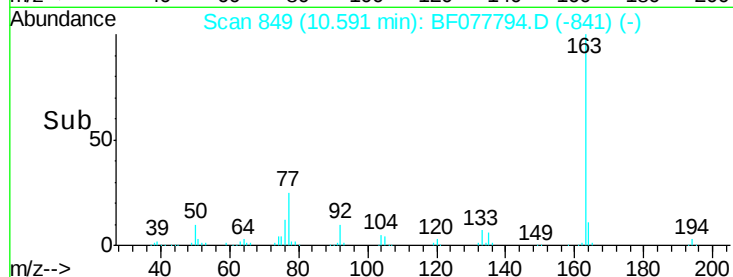
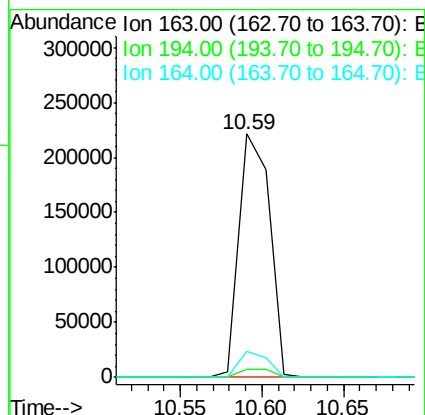
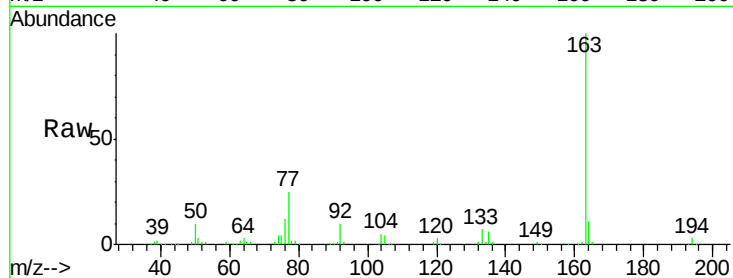




#49
Dimethylphthalate
Concen: 47.58 ng
RT: 10.59 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

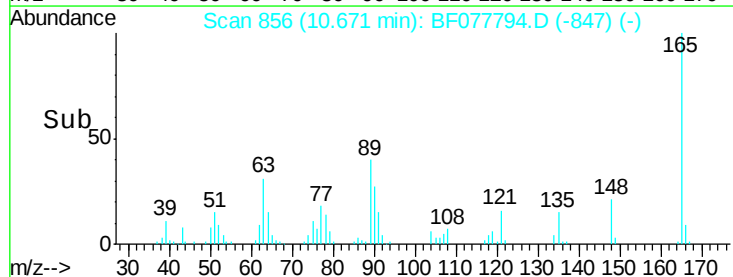
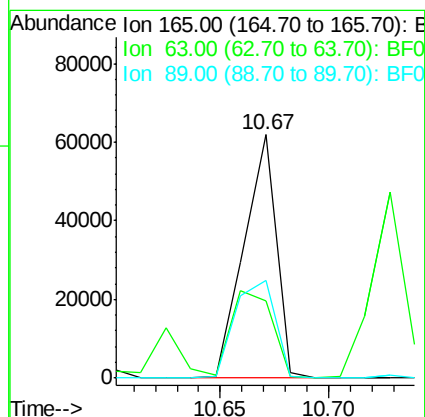
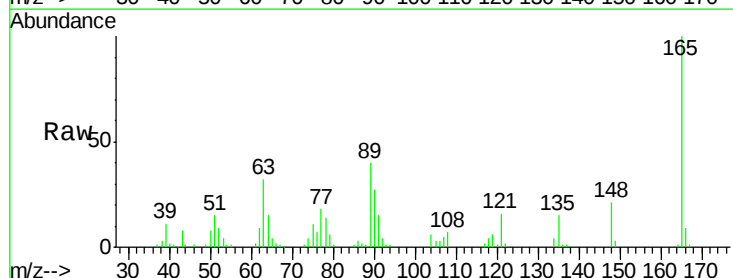
Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

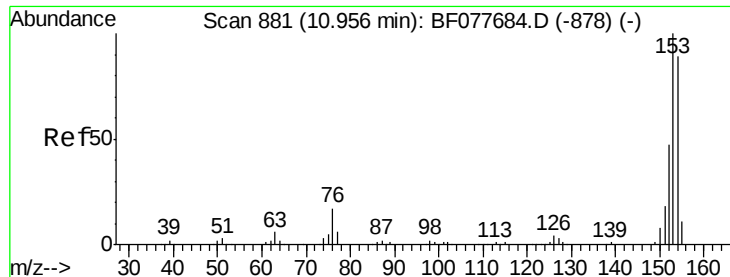
Tgt Ion:163 Resp: 286712
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 51.10 ng
RT: 10.67 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:165 Resp: 63832
Ion Ratio Lower Upper
165 100
63 31.7 44.1 66.1#
89 40.3 44.3 66.5#

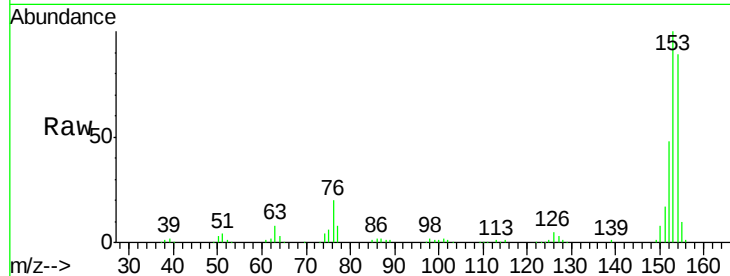




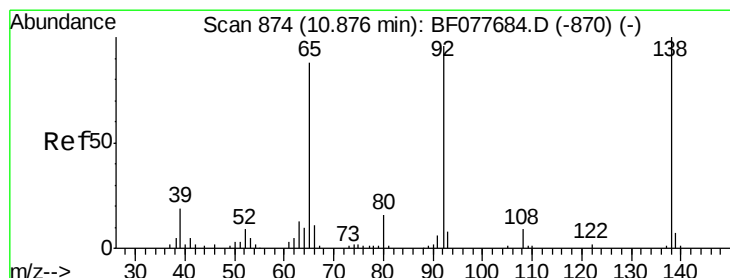
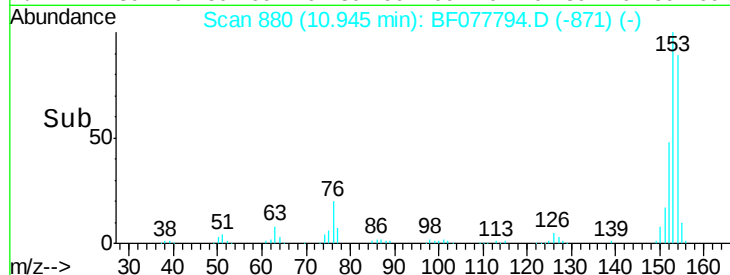
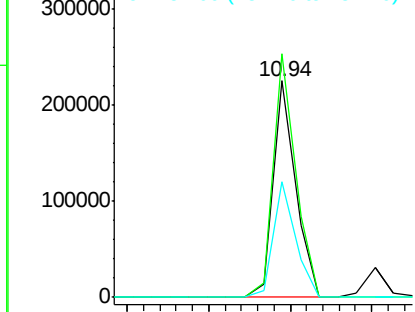
#51
Acenaphthene
Concen: 42.76 ng
RT: 10.94 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion:154 Resp: 215173
Ion Ratio Lower Upper
154 100
153 112.5 90.0 135.0
152 53.6 42.6 63.8

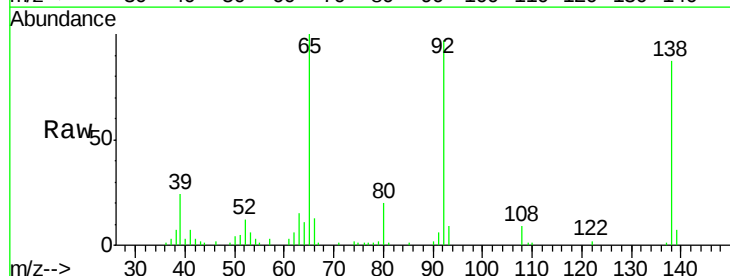


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

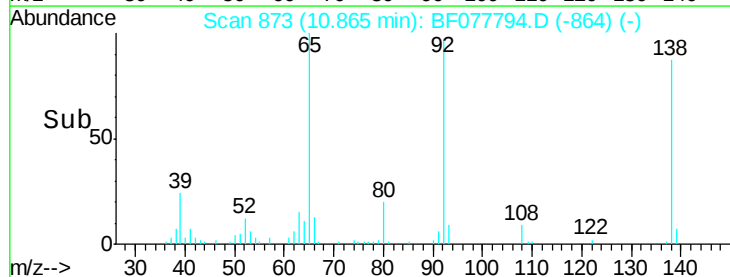
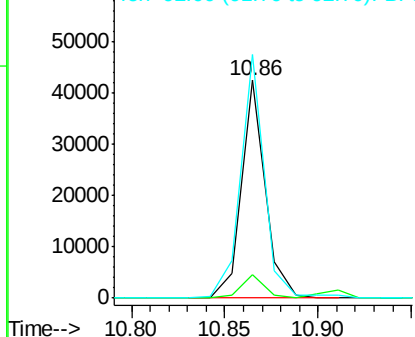


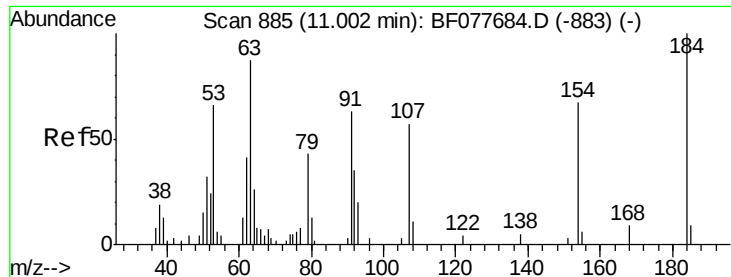
#52
3-Nitroaniline
Concen: 26.08 ng
RT: 10.86 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:138 Resp: 37839
Ion Ratio Lower Upper
138 100
108 10.6 7.3 10.9
92 111.7 76.6 114.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

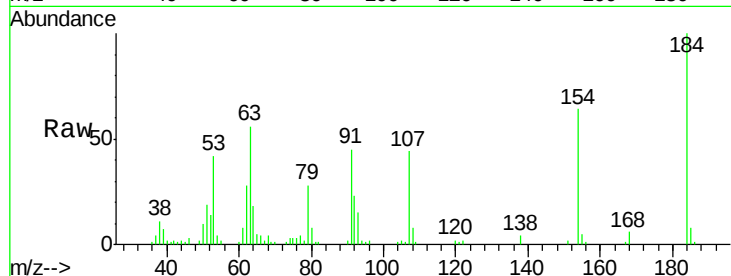




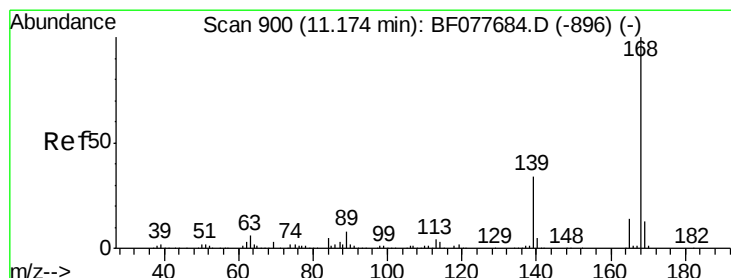
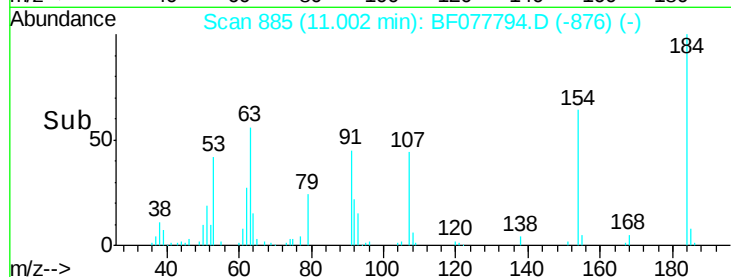
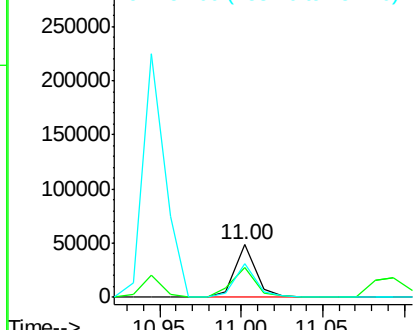
#53
2,4-Dinitrophenol
Concen: 95.83 ng
RT: 11.00 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion:184 Resp: 44791
Ion Ratio Lower Upper
184 100
63 55.8 69.2 103.8#
154 64.1 53.3 79.9

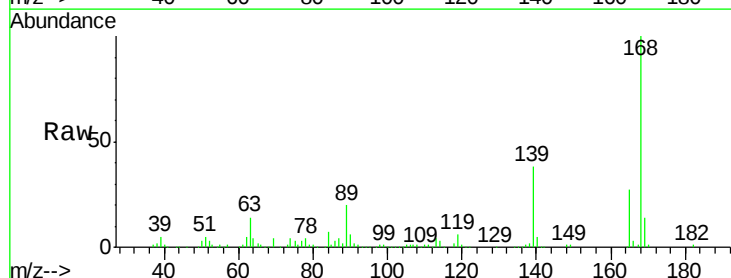


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

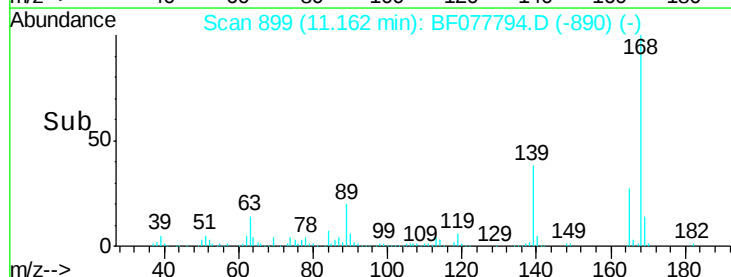
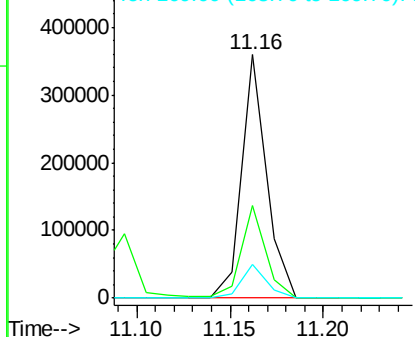


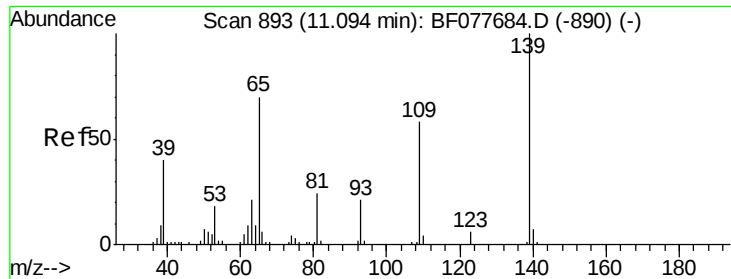
#54
Dibenzofuran
Concen: 44.71 ng
RT: 11.16 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:168 Resp: 333744
Ion Ratio Lower Upper
168 100
139 37.8 27.3 40.9
169 13.7 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

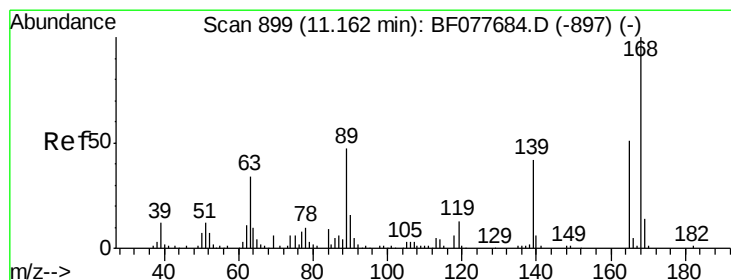
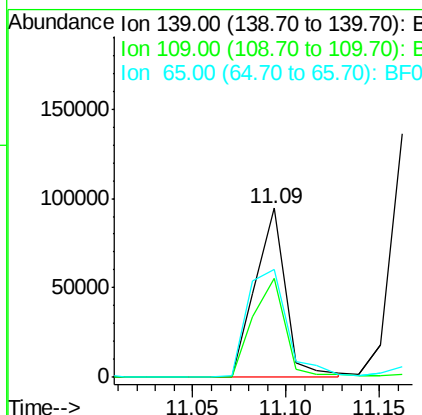
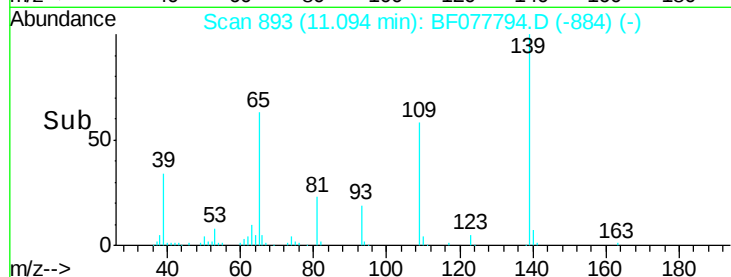
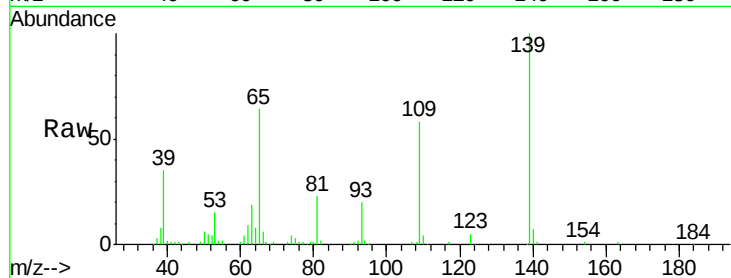




#55
4-Nitrophenol
Concen: 99.40 ng
RT: 11.09 min Scan# 893
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

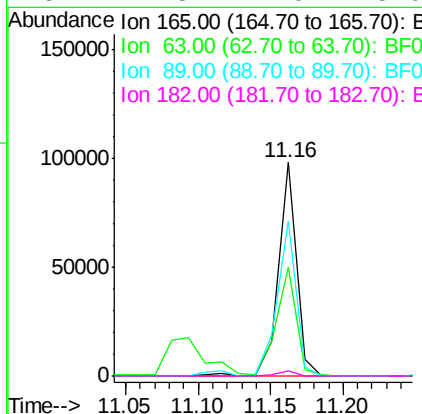
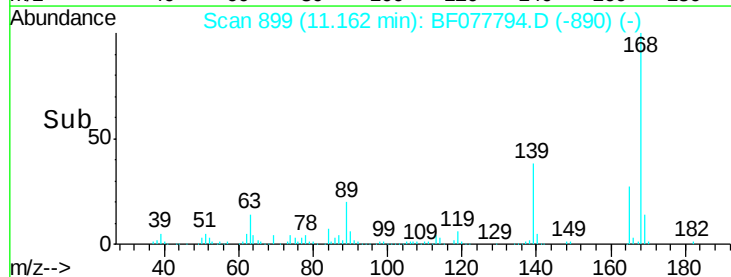
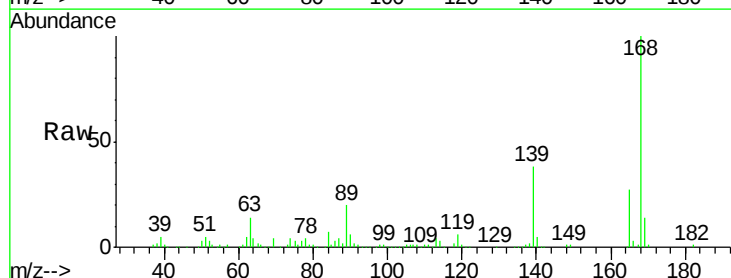
Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

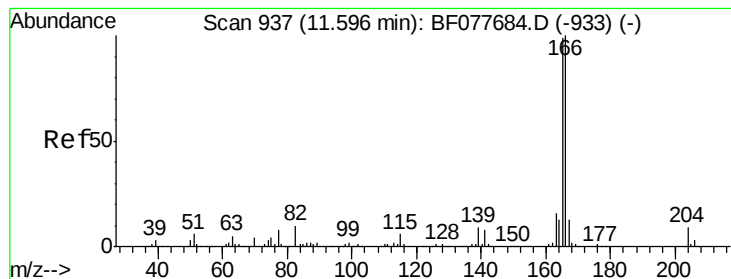
Tgt Ion:139 Resp: 106817
Ion Ratio Lower Upper
139 100
109 58.3 37.7 77.7
65 64.0 49.9 89.9



#56
2,4-Dinitrotoluene
Concen: 51.86 ng
RT: 11.16 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:165 Resp: 84474
Ion Ratio Lower Upper
165 100
63 50.9 52.4 78.6#
89 72.4 72.4 108.6
182 2.3 2.0 3.0





#57

Fluorene

Concen: 44.31 ng

RT: 11.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

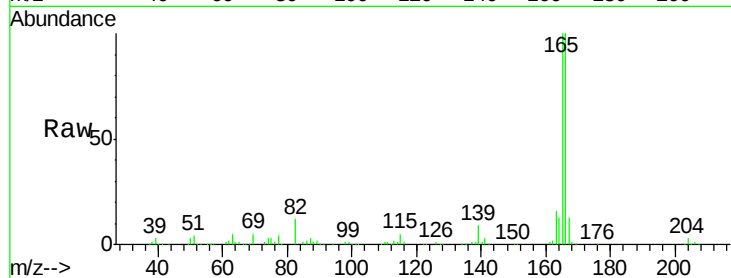
Tgt Ion:166 Resp: 274634

Ion Ratio Lower Upper

166 100

165 99.6 79.0 118.4

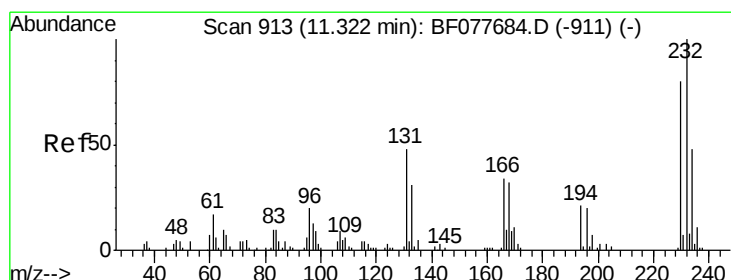
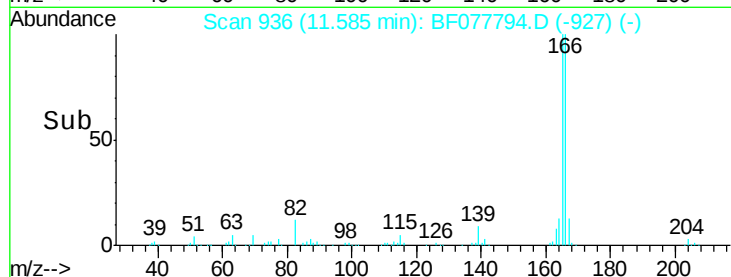
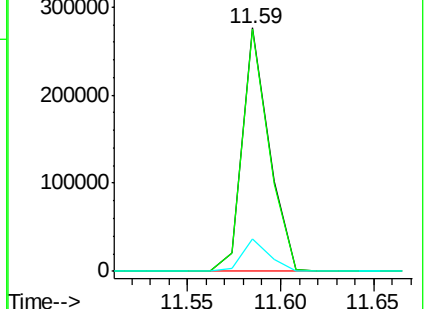
167 13.3 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.69 ng

RT: 11.32 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Tgt Ion:232 Resp: 63796

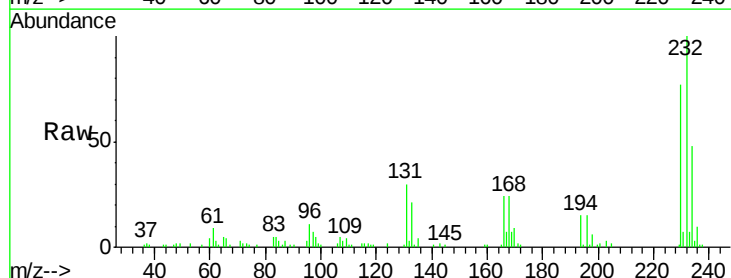
Ion Ratio Lower Upper

232 100

131 45.9 0.0 0.0#

130 2.1 0.0 0.0#

166 31.6 0.0 0.0#

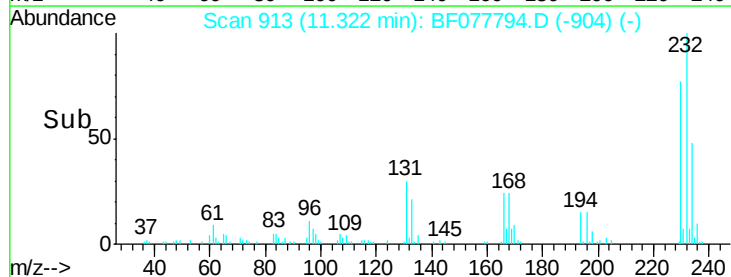
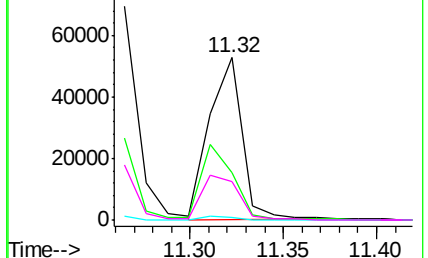


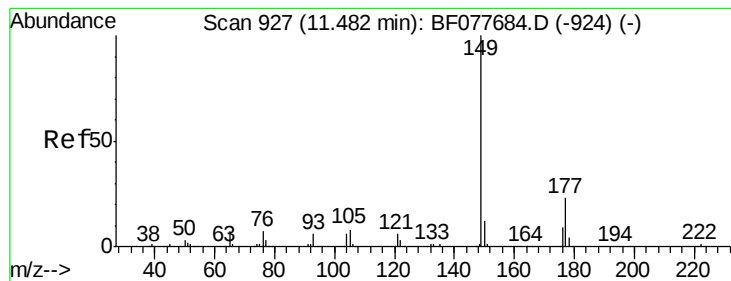
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 45.26 ng

RT: 11.47 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

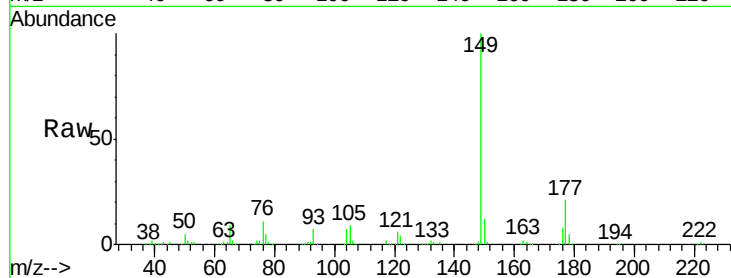
Tgt Ion:149 Resp: 265731

Ion Ratio Lower Upper

149 100

177 20.9 18.3 27.5

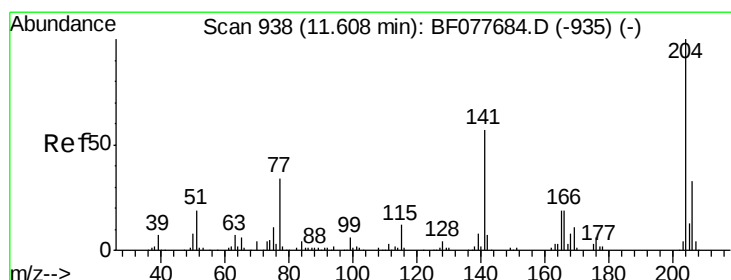
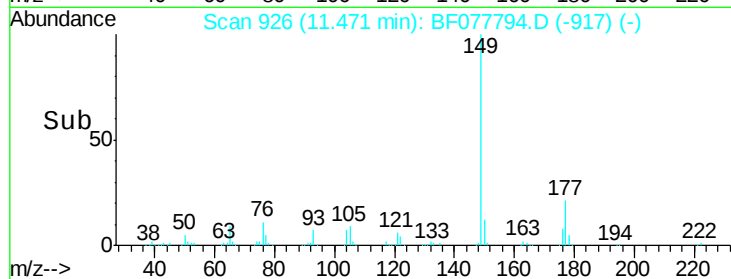
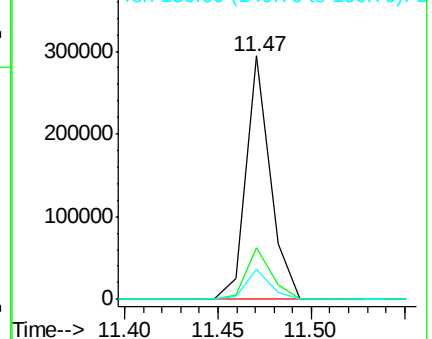
150 12.4 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.90 ng

RT: 11.60 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

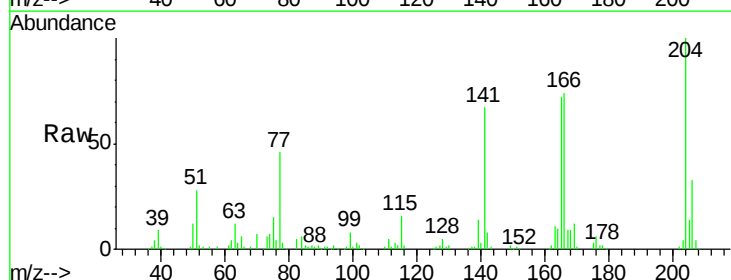
Tgt Ion:204 Resp: 127003

Ion Ratio Lower Upper

204 100

206 32.6 26.6 39.8

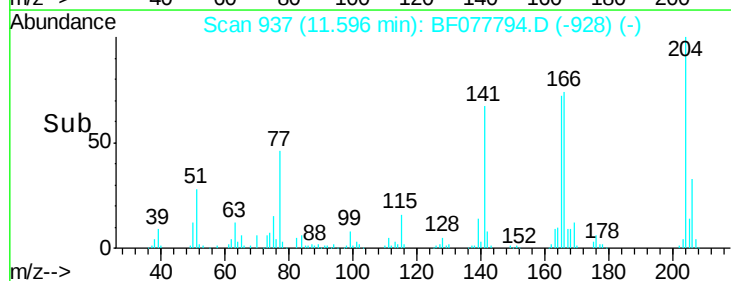
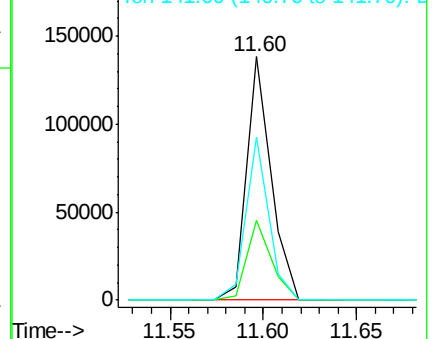
141 66.9 45.2 67.8

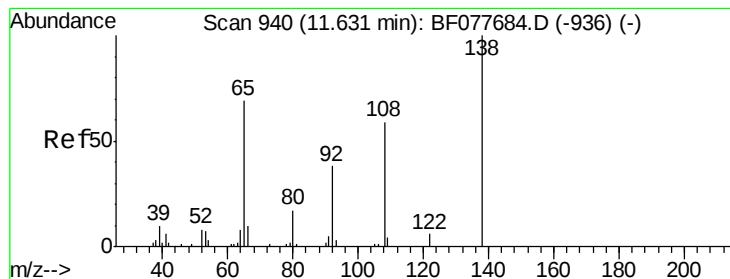


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 42.04 ng

RT: 11.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

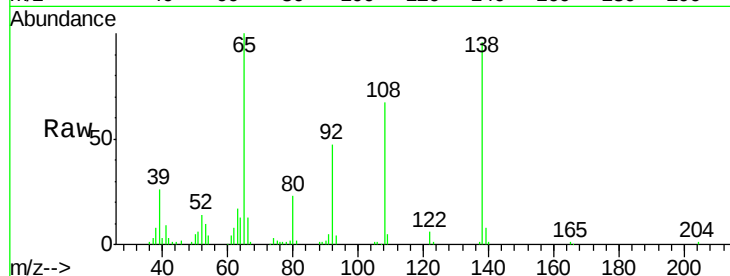
Tgt Ion:138 Resp: 60786

Ion Ratio Lower Upper

138 100

92 49.4 16.7 56.7

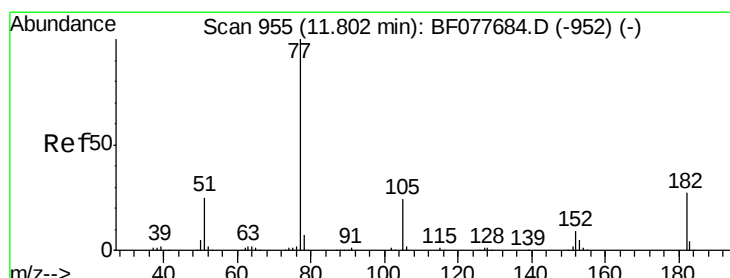
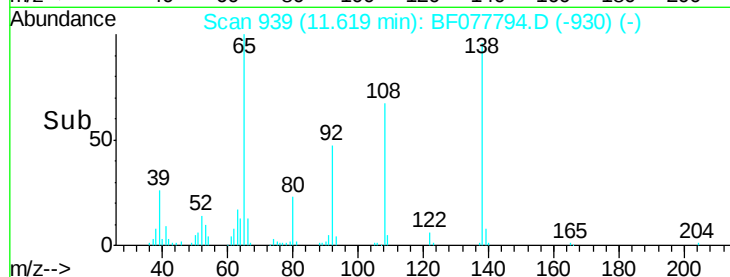
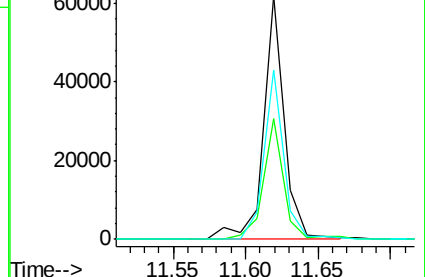
108 69.7 37.6 77.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 44.47 ng

RT: 11.79 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Tgt Ion: 77 Resp: 249529

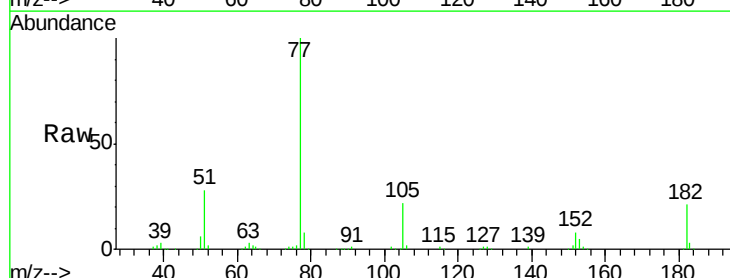
Ion Ratio Lower Upper

77 100

182 21.1 6.5 46.5

105 22.3 3.8 43.8

51 27.7 5.5 45.5

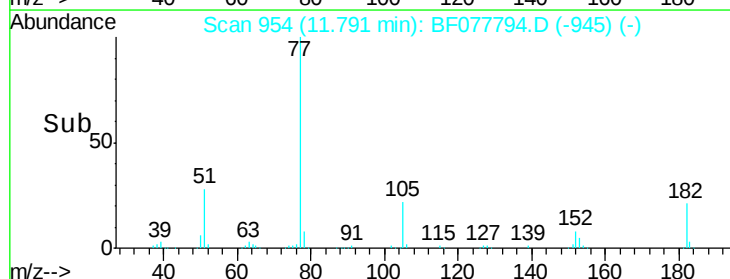
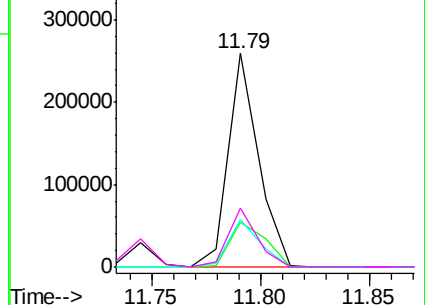


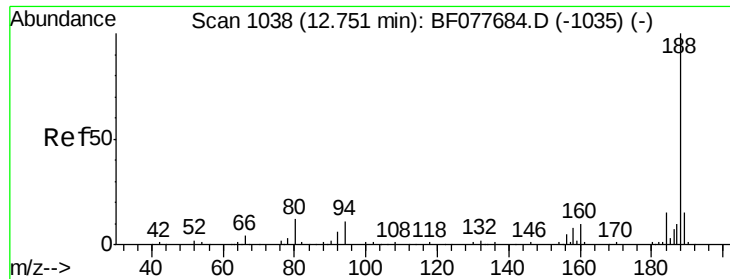
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

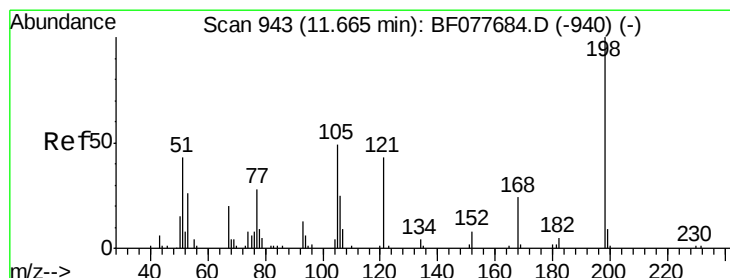
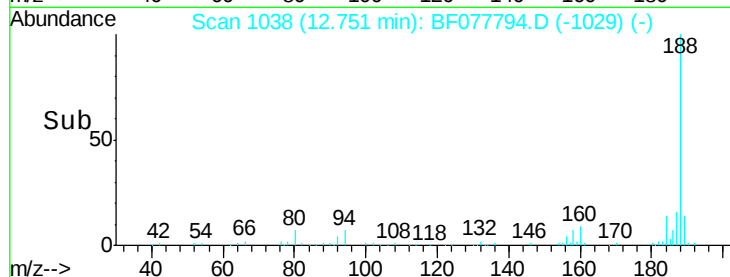
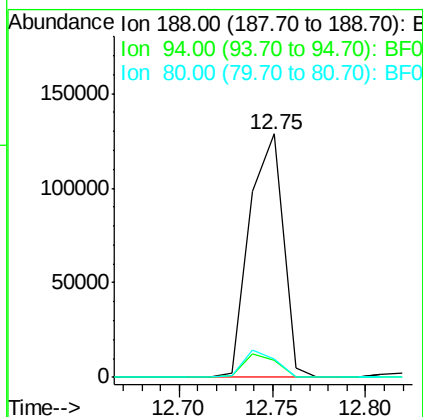
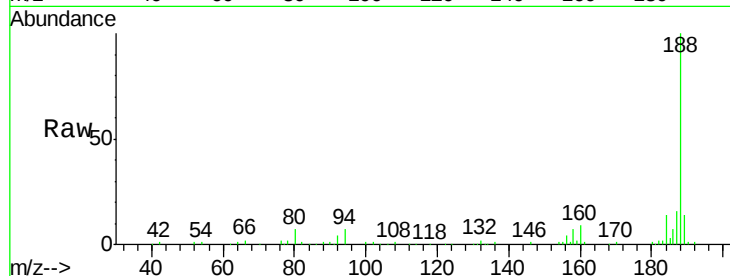




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.75 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

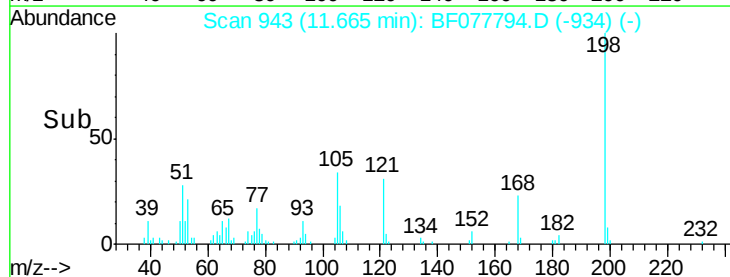
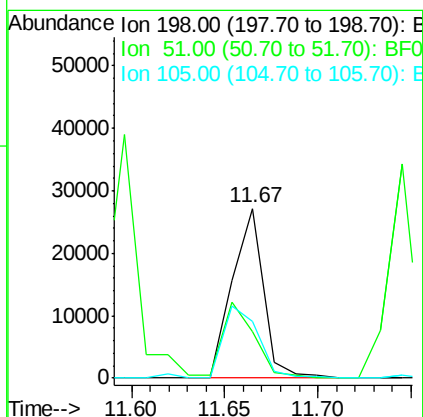
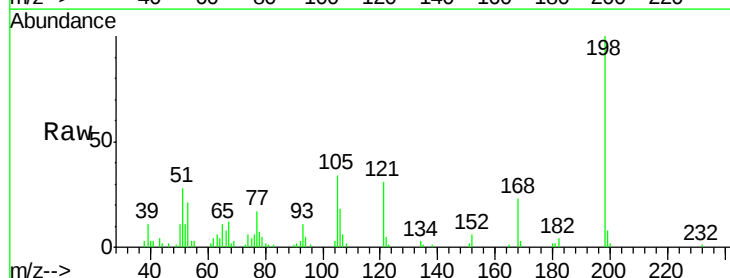
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

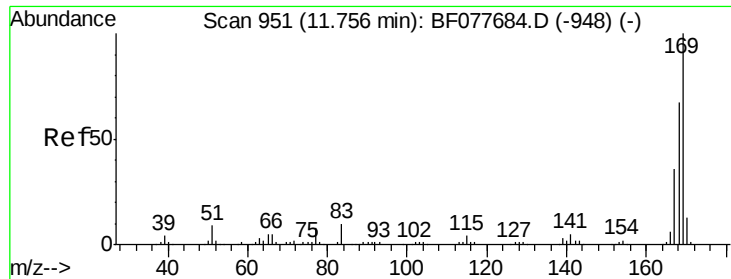
Tgt Ion:188 Resp: 160901
 Ion Ratio Lower Upper
 188 100
 94 7.2 8.7 13.1#
 80 7.3 9.3 13.9#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 42.61 ng
 RT: 11.67 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:198 Resp: 31966
 Ion Ratio Lower Upper
 198 100
 51 27.7 28.8 68.8#
 105 33.7 30.5 70.5

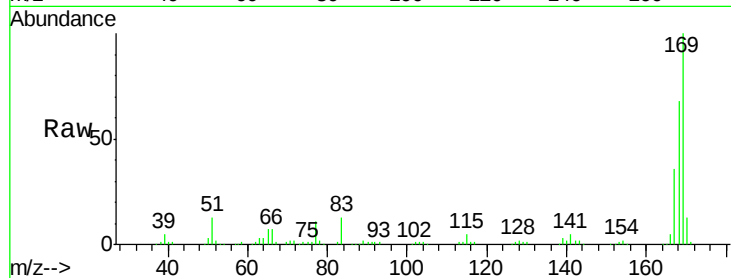




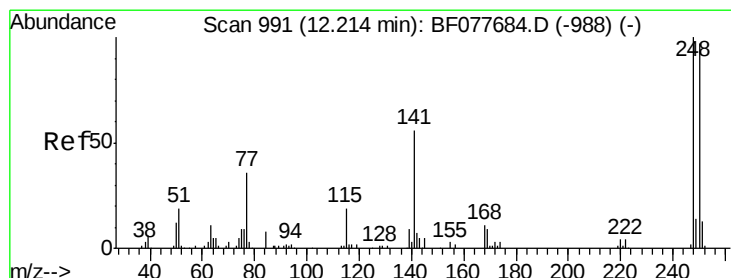
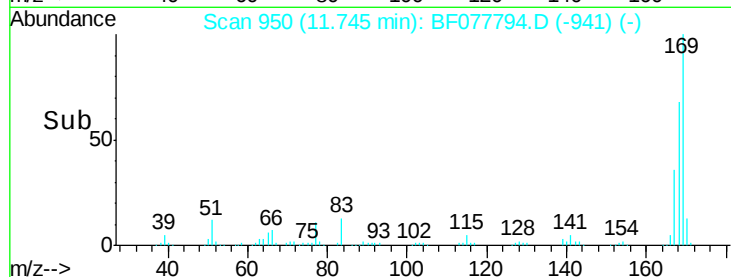
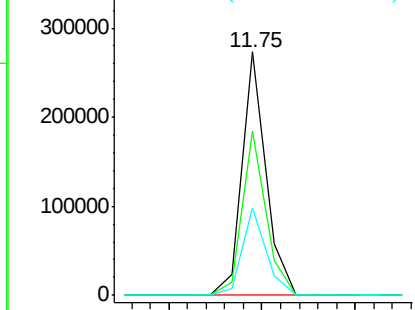
#65
 n-Nitrosodiphenylamine
 Concen: 45.60 ng
 RT: 11.75 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion:169 Resp: 244308
 Ion Ratio Lower Upper
 169 100
 168 67.5 53.9 80.9
 167 36.2 28.9 43.3

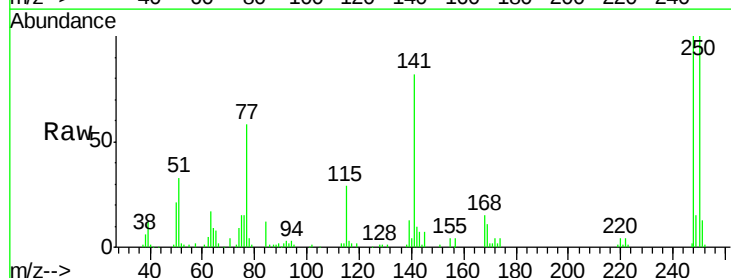


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

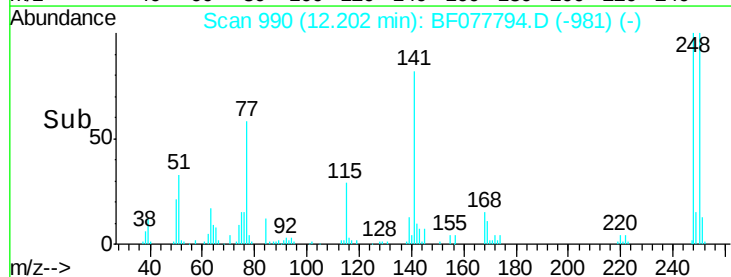
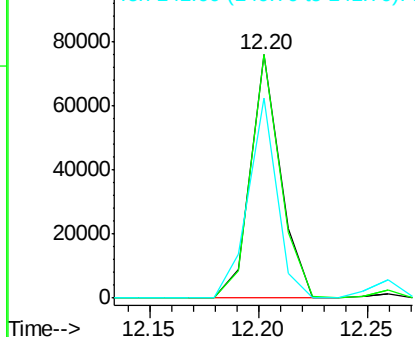


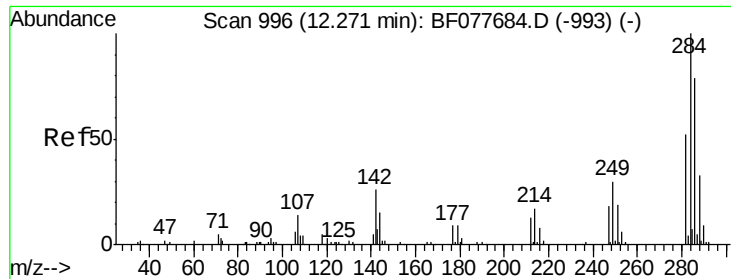
#66
 4-Bromophenyl-phenylether
 Concen: 42.54 ng
 RT: 12.20 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:248 Resp: 73047
 Ion Ratio Lower Upper
 248 100
 250 100.0 77.4 116.0
 141 82.2 45.2 67.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

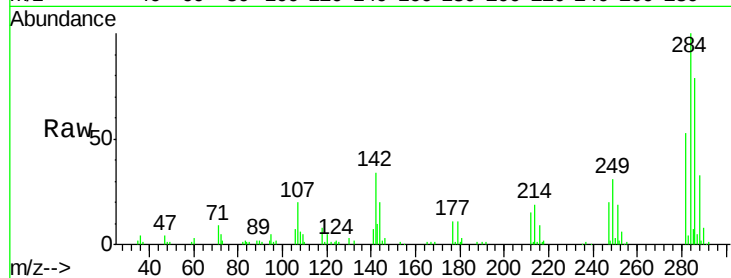




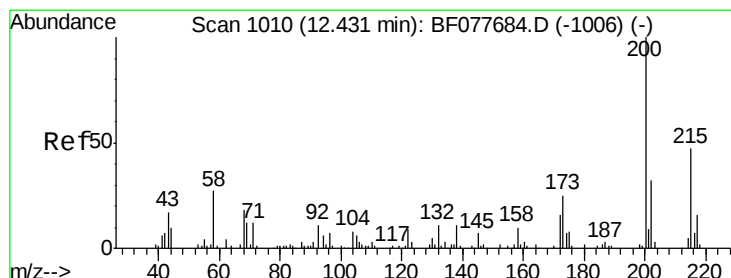
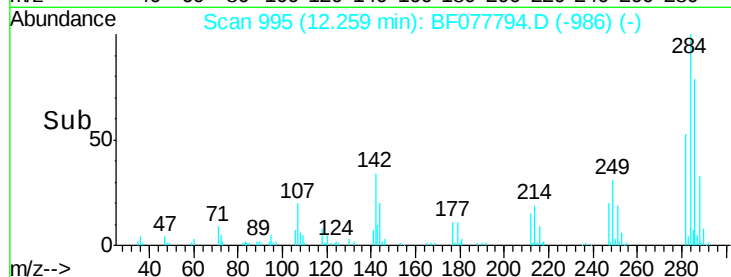
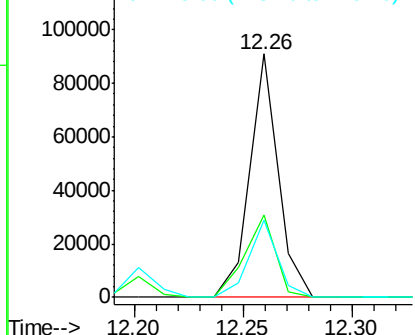
#67
Hexachlorobenzene
Concen: 43.71 ng
RT: 12.26 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

Tgt Ion: 284 Resp: 82475
Ion Ratio Lower Upper
284 100
142 34.1 20.4 30.6#
249 31.5 23.8 35.6

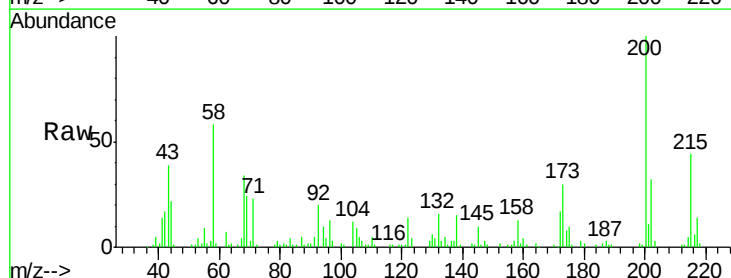


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

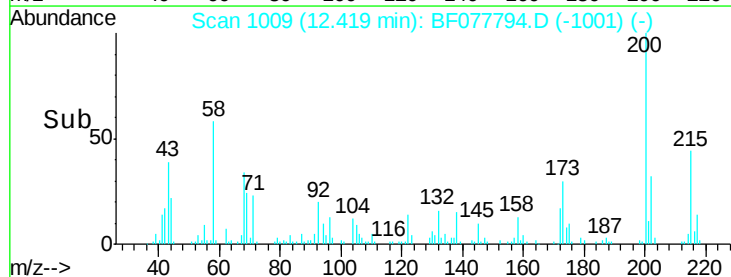
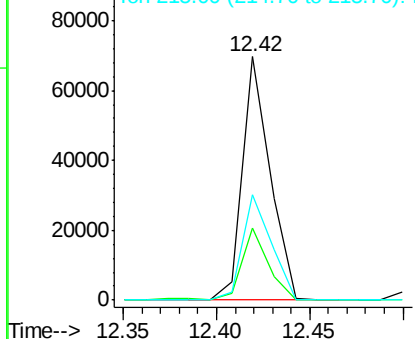


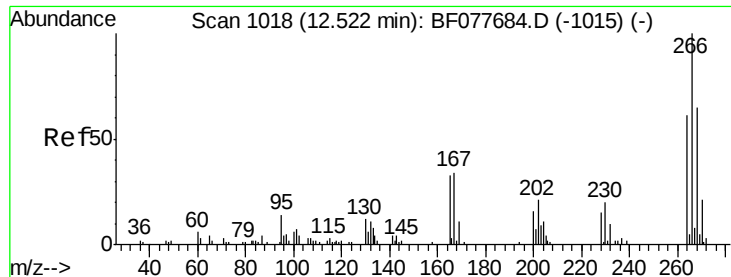
#68
Atrazine
Concen: 47.71 ng
RT: 12.42 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion: 200 Resp: 71628
Ion Ratio Lower Upper
200 100
173 29.7 4.8 44.8
215 43.5 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

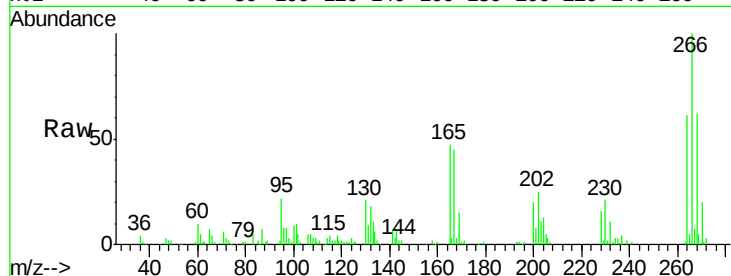




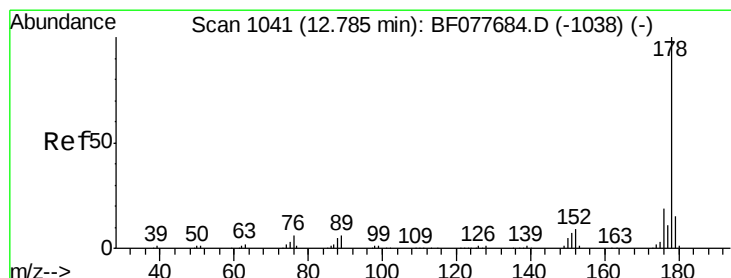
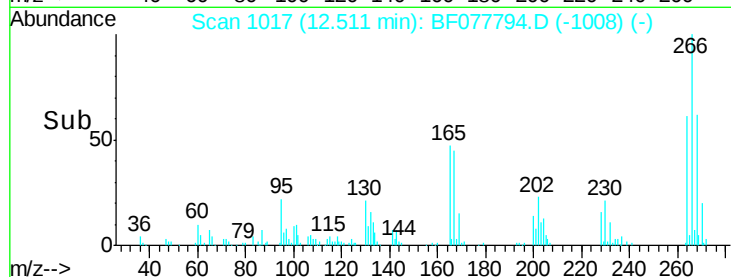
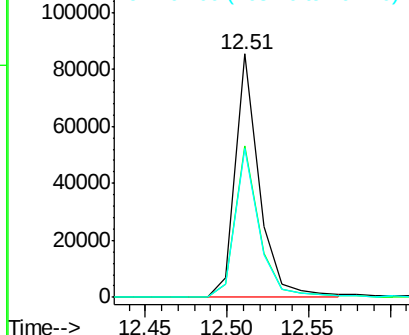
#69
 Pentachlorophenol
 Concen: 87.55 ng
 RT: 12.51 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

Tgt Ion: 266 Resp: 86819
 Ion Ratio Lower Upper
 266 100
 268 62.3 52.0 78.0
 264 61.0 49.0 73.4

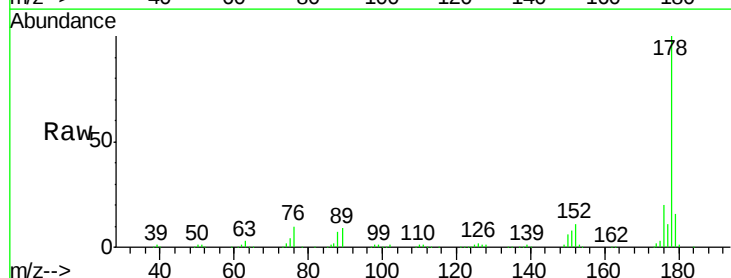


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

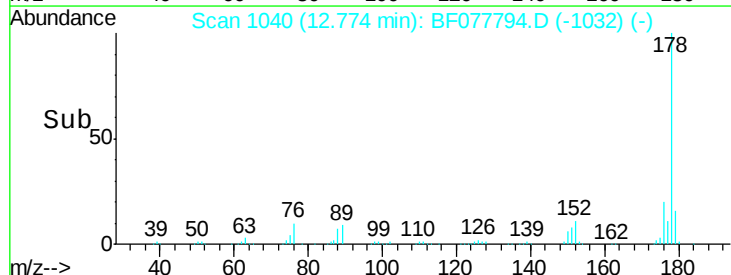
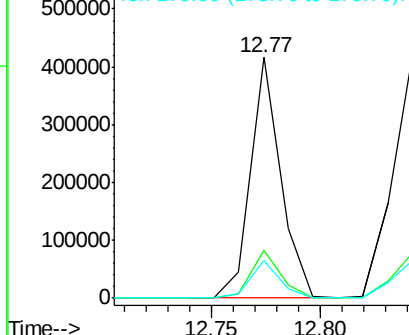


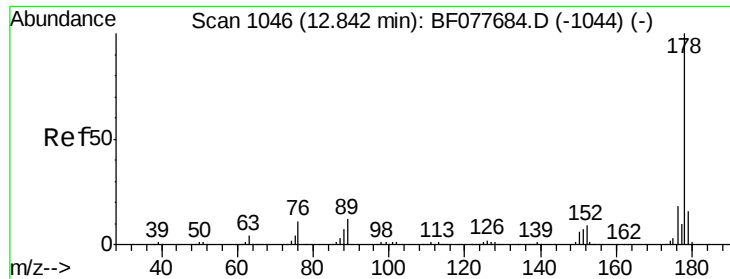
#70
 Phenanthrene
 Concen: 43.38 ng
 RT: 12.77 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion: 178 Resp: 400716
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.2 22.8
 179 15.8 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

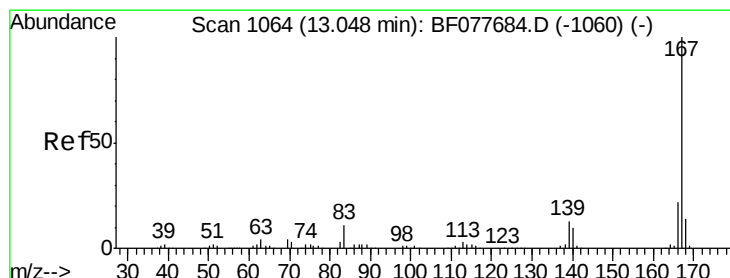
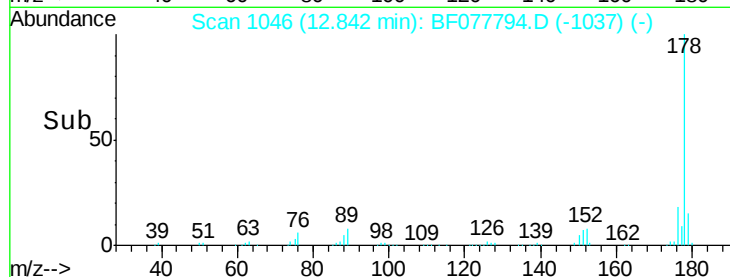
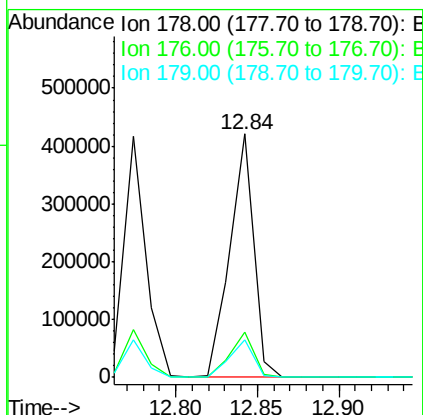
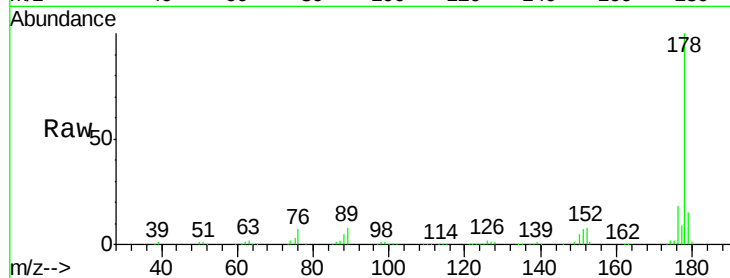




#71
 Anthracene
 Concen: 46.22 ng
 RT: 12.84 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

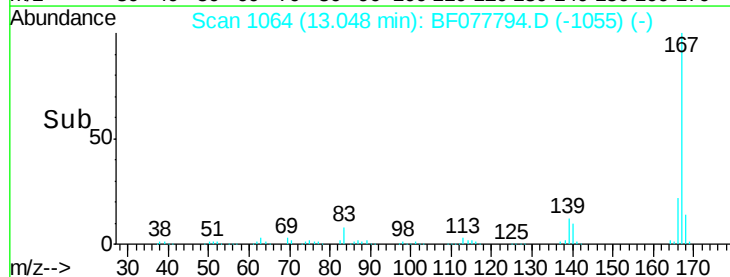
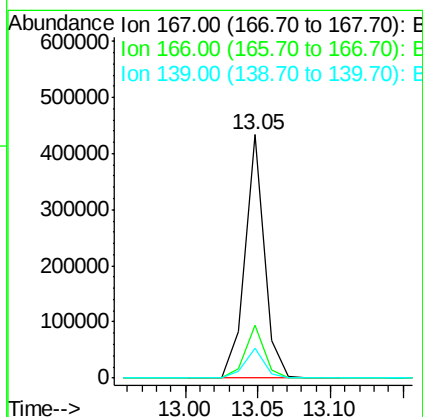
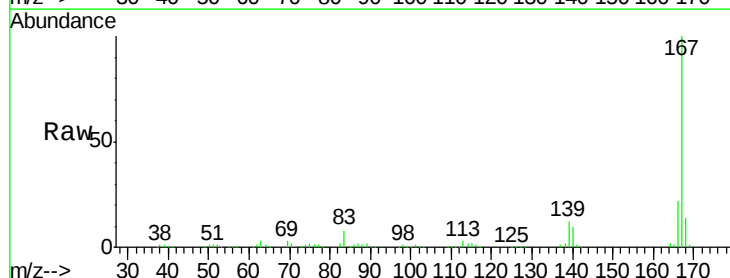
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

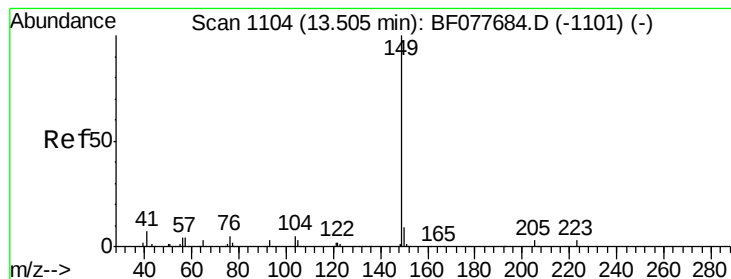
Tgt Ion:178 Resp: 421803
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 46.56 ng
 RT: 13.05 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion:167 Resp: 404210
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 12.4 10.8 16.2





#73

Di-n-butylphthalate

Concen: 45.22 ng

RT: 13.51 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

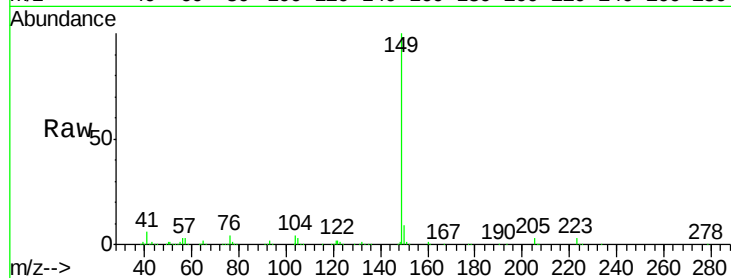
Tgt Ion:149 Resp: 440203

Ion Ratio Lower Upper

149 100

150 8.9 7.5 11.3

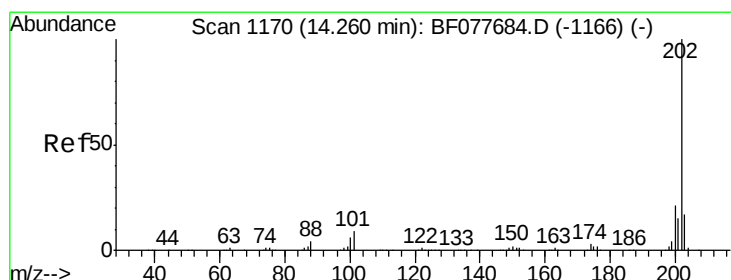
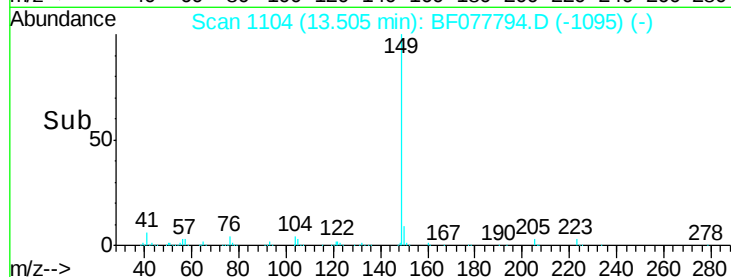
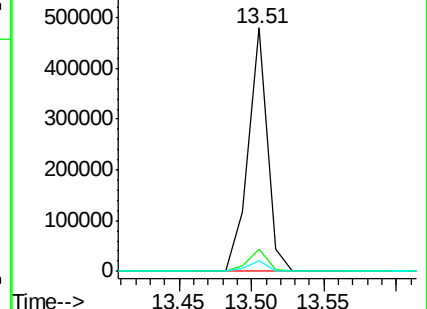
104 4.2 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.76 ng

RT: 14.25 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

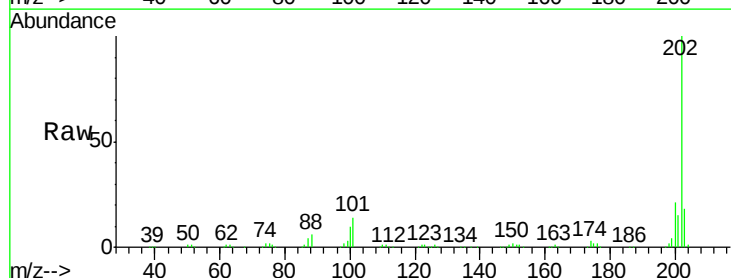
Tgt Ion:202 Resp: 435687

Ion Ratio Lower Upper

202 100

101 13.8 0.0 28.7

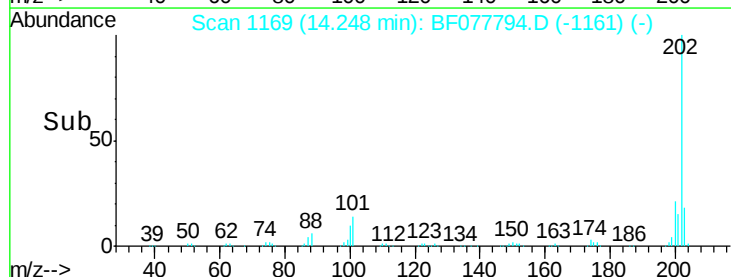
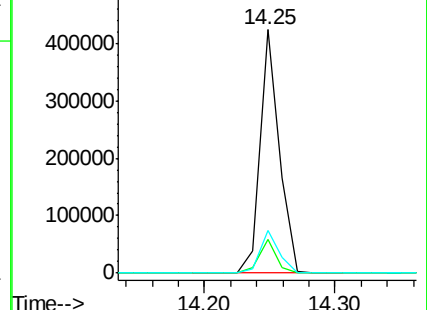
203 17.6 0.0 37.2

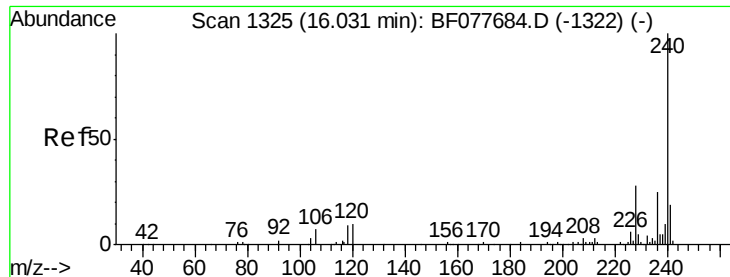


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.04 min Scan# 1326

Delta R.T. -0.09 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

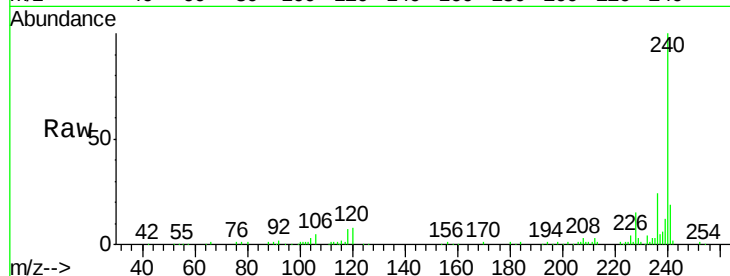
Tgt Ion: 240 Resp: 169512

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

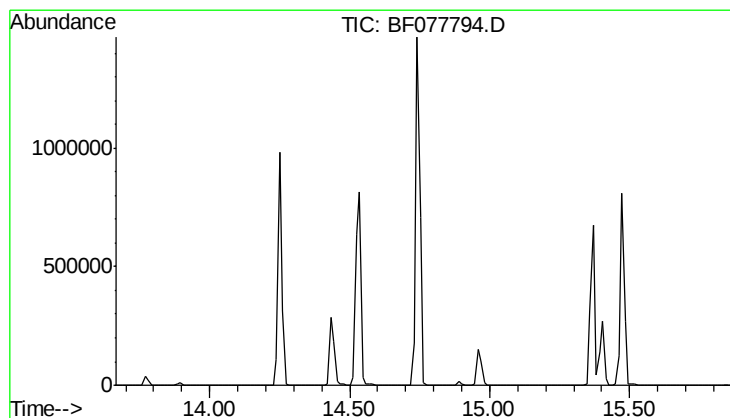
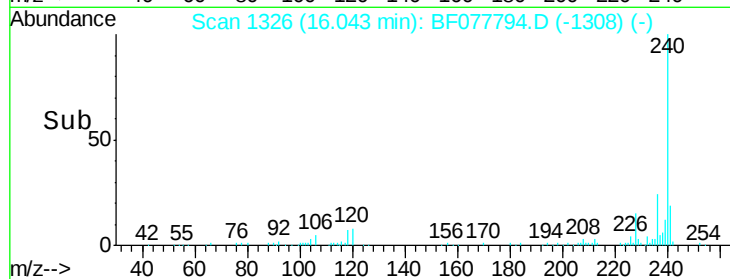
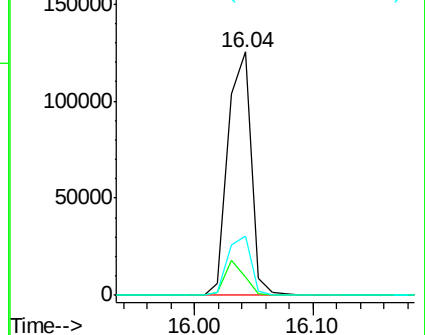
236 24.3 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.76 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

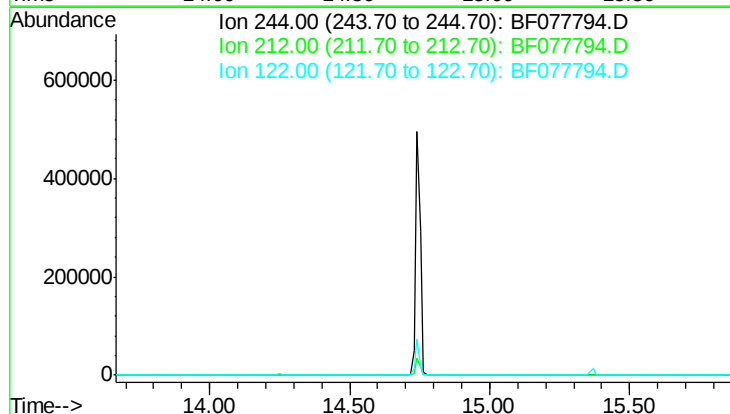
Tgt Ion: 244

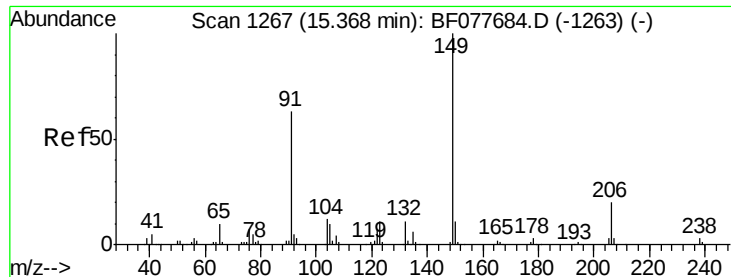
Sig Exp Ratio

244 100

212 6.1

122 7.8

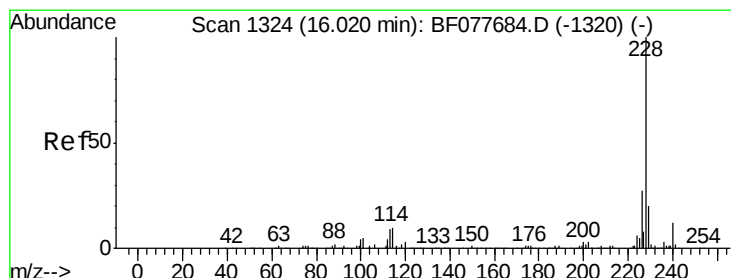
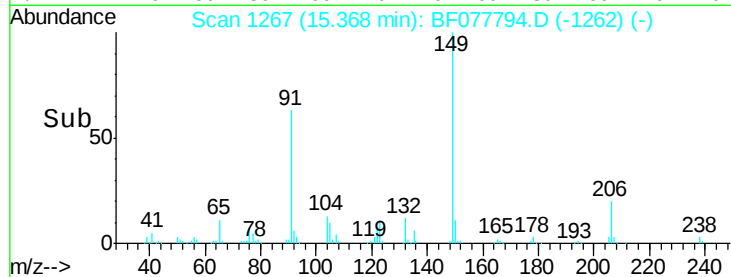
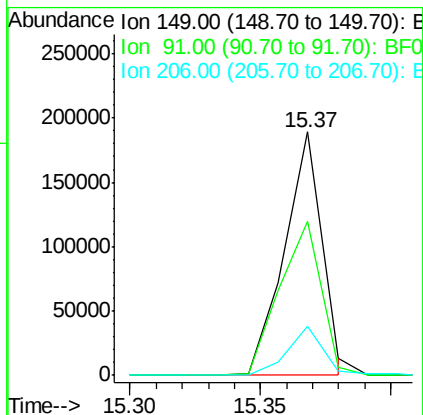
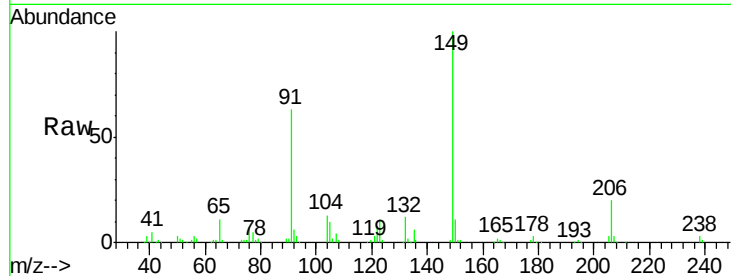




#79
Butylbenzylphthalate
Concen: 45.01 ng
RT: 15.37 min Scan# 1267
Delta R.T. -0.05 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

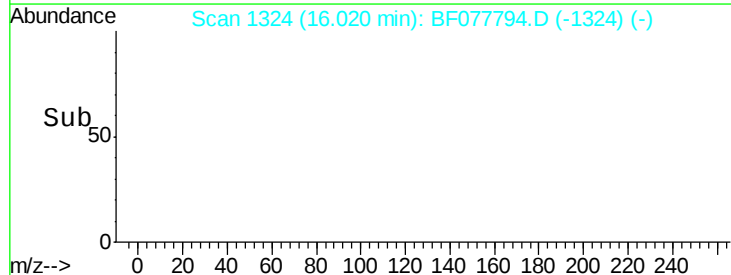
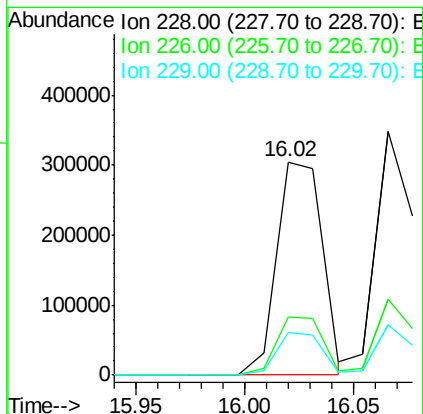
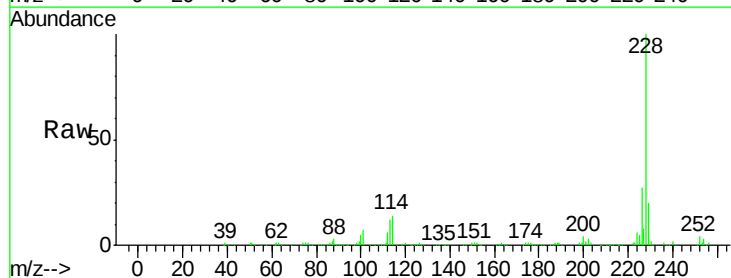
Instrument :
BNA_F
ClientSampleId :
SB-12(13-15)MSD

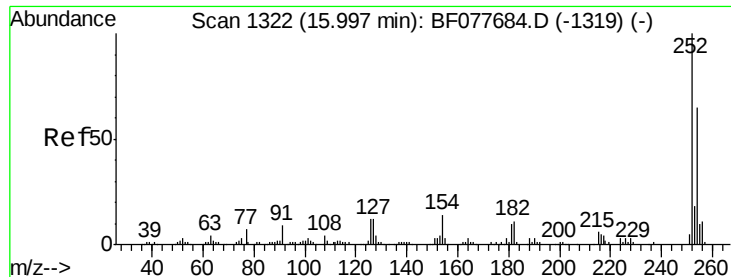
Tgt Ion:149 Resp: 189172
Ion Ratio Lower Upper
149 100
91 63.2 50.1 75.1
206 20.2 16.2 24.2



#80
Benzo(a)anthracene
Concen: 44.38 ng
RT: 16.02 min Scan# 1324
Delta R.T. -0.10 min
Lab File: BF077794.D
Acq: 18 Mar 2015 11:18

Tgt Ion:228 Resp: 445969
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.9 16.0 24.0

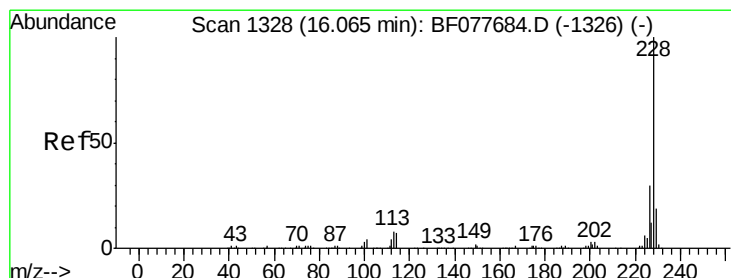
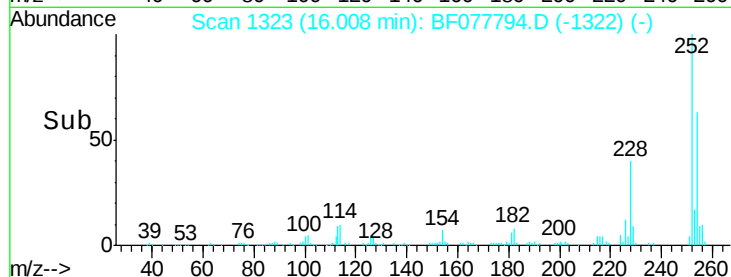
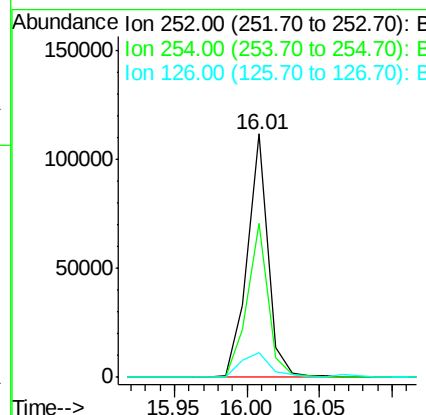
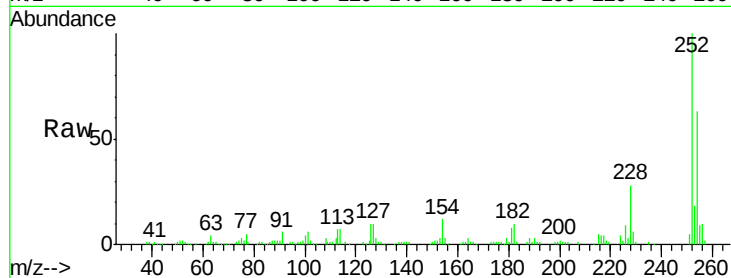




#81
 3,3'-Dichlorobenzidine
 Concen: 33.68 ng
 RT: 16.01 min Scan# 1323
 Delta R.T. -0.09 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

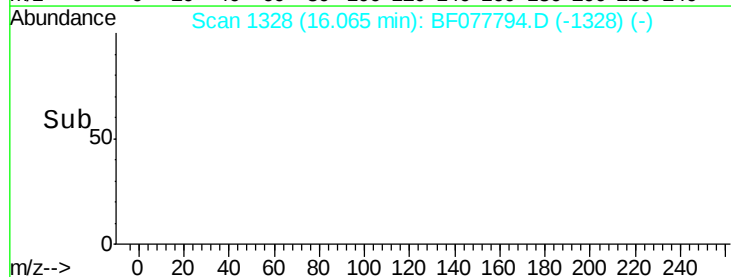
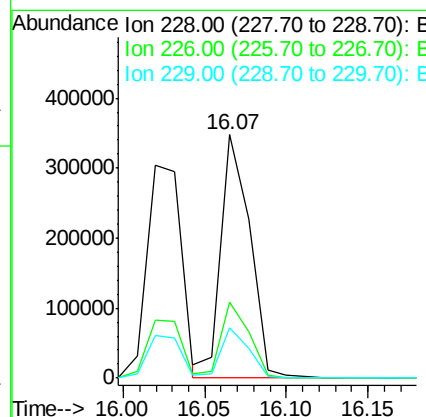
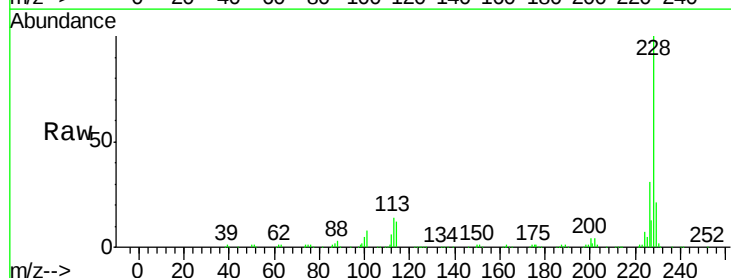
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(13-15)MSD

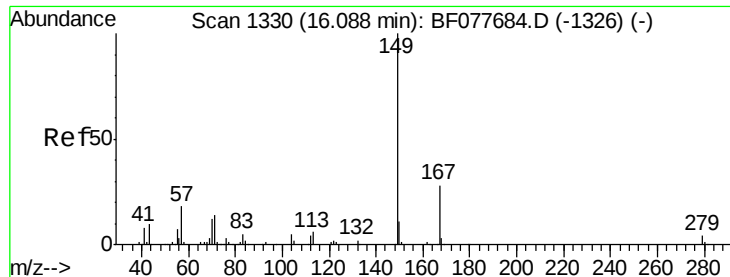
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.9	77.9
126	10.1	9.8	14.8



#82
 Chrysene
 Concen: 47.05 ng
 RT: 16.07 min Scan# 1328
 Delta R.T. -0.10 min
 Lab File: BF077794.D
 Acq: 18 Mar 2015 11:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	20.9	15.5	23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.39 ng

RT: 16.09 min Scan# 1330

Delta R.T. -0.11 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

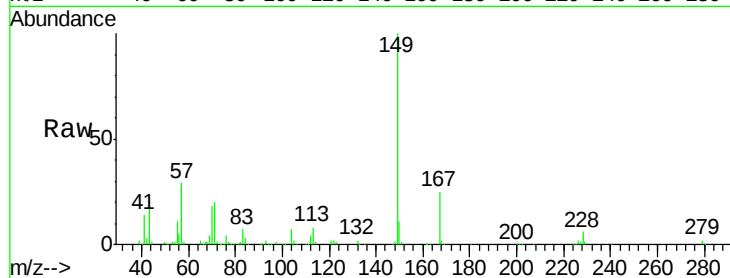
Tgt Ion:149 Resp: 288973

Ion Ratio Lower Upper

149 100

167 25.1 22.4 33.6

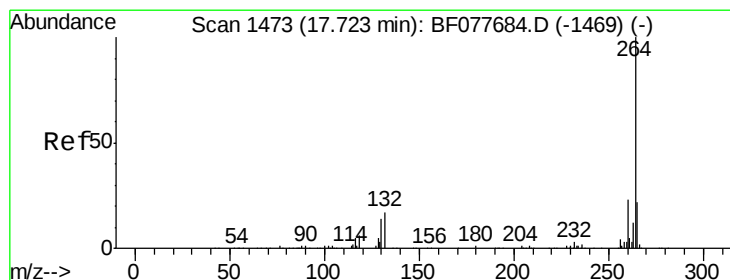
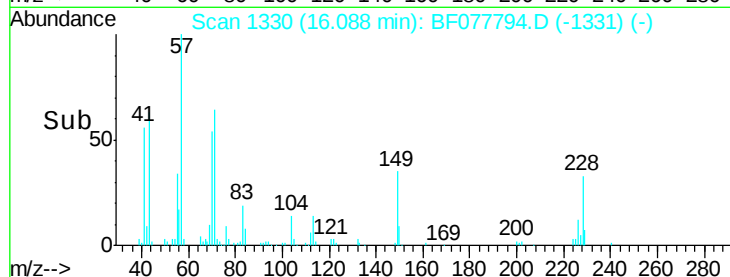
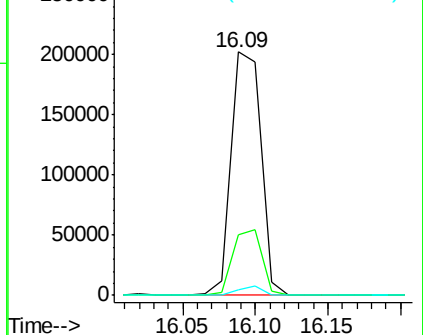
279 2.1 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.80 min Scan# 1480

Delta R.T. -0.30 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

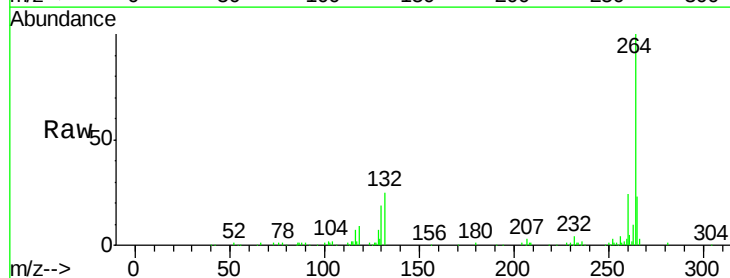
Tgt Ion:264 Resp: 160887

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

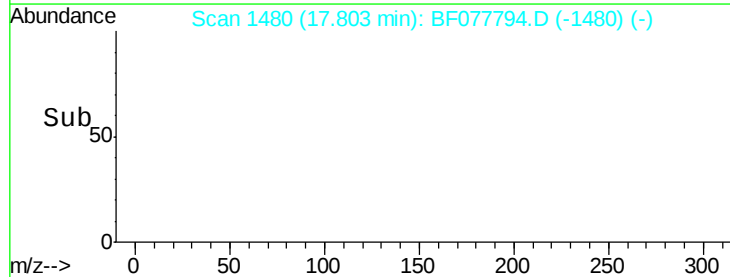
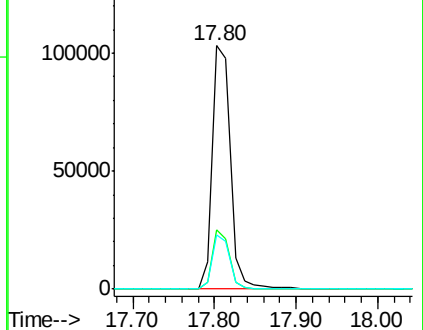
265 22.5 17.3 25.9

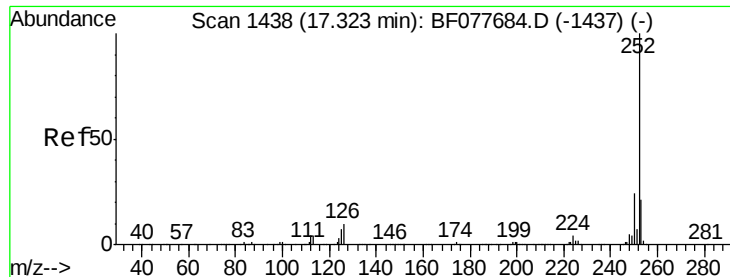


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 53.91 ng

RT: 17.35 min Scan# 1440

Delta R.T. -0.27 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

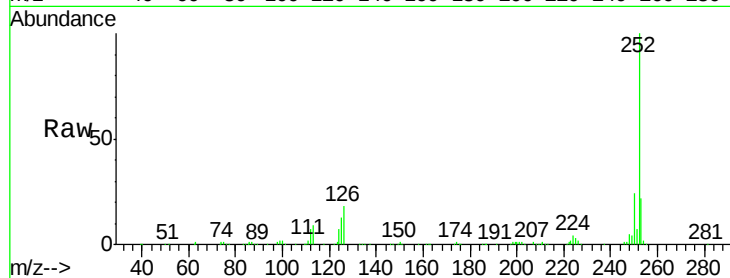
Tgt Ion:252 Resp: 442266

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

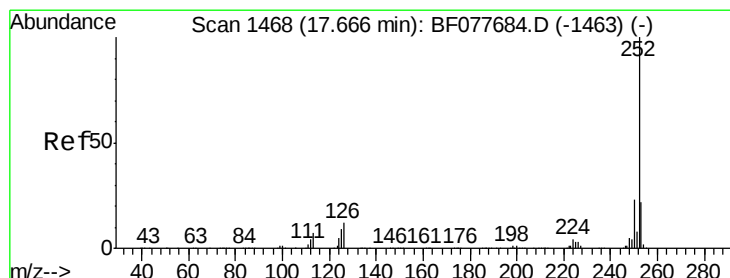
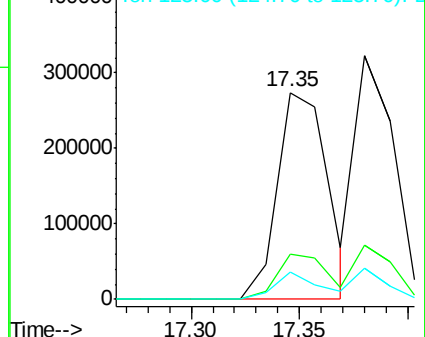
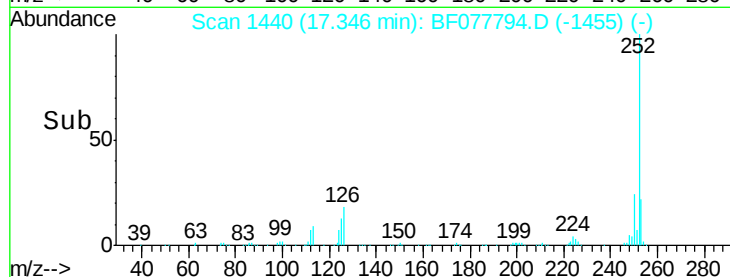
125 13.5 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 47.60 ng

RT: 17.75 min Scan# 1475

Delta R.T. -0.27 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

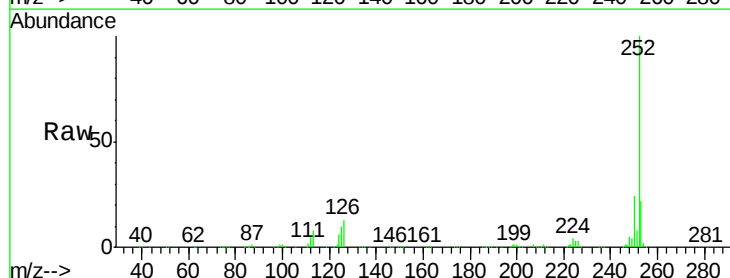
Tgt Ion:252 Resp: 417117

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

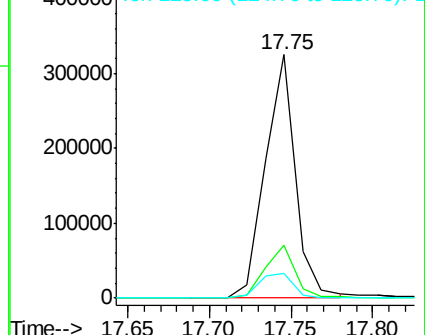
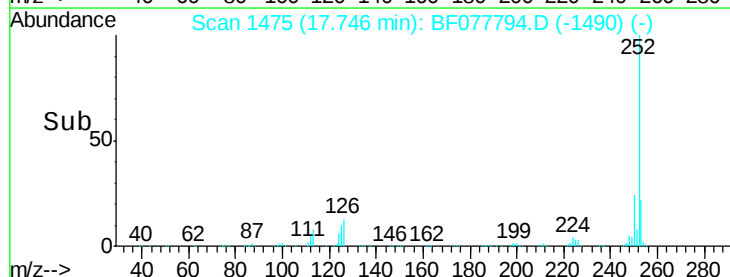
125 10.1 7.4 11.2

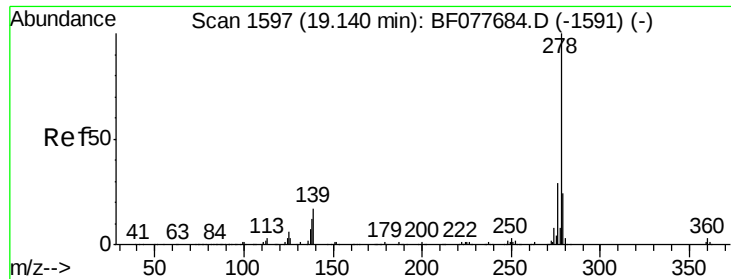


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 43.40 ng

RT: 19.24 min Scan# 1606

Delta R.T. -0.37 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

Instrument :

BNA_F

ClientSampleId :

SB-12(13-15)MSD

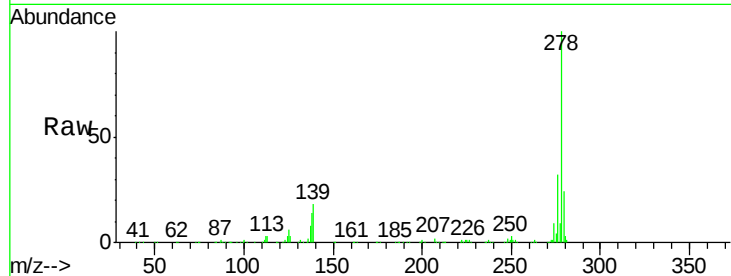
Tgt Ion: 278 Resp: 377223

Ion Ratio Lower Upper

278 100

139 17.9 13.4 20.0

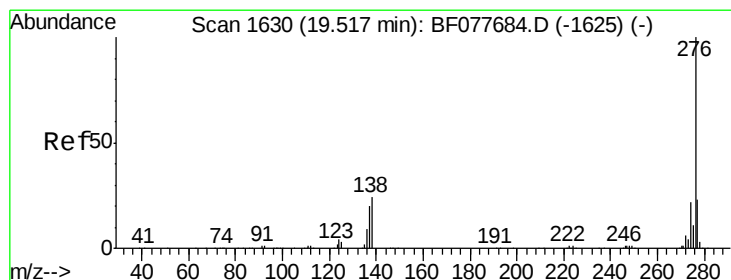
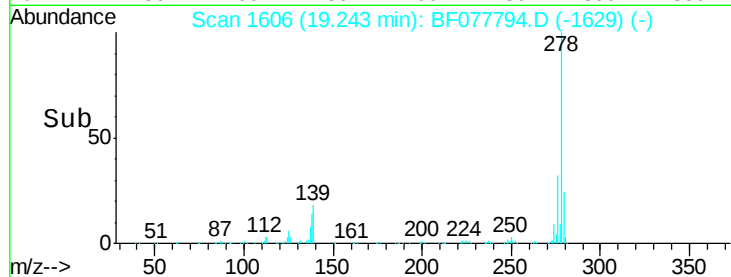
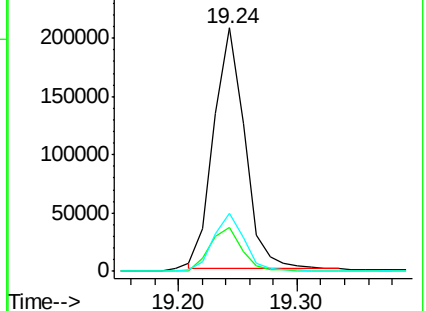
279 23.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 41.44 ng

RT: 19.63 min Scan# 1640

Delta R.T. -0.37 min

Lab File: BF077794.D

Acq: 18 Mar 2015 11:18

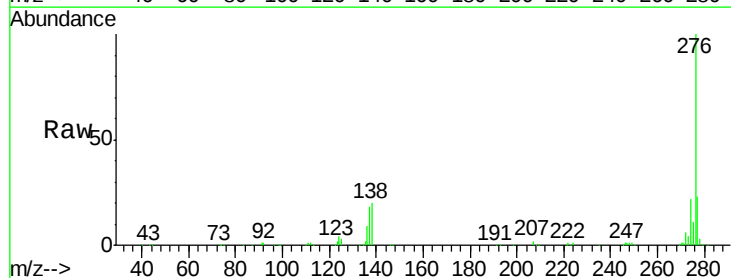
Tgt Ion: 276 Resp: 366739

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 20.5 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

