

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078648.D
 Acq On : 20 Apr 2015 17:07
 Operator : TP/IZ
 Sample : PB82874BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

Quant Time: Apr 21 01:06:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 00:52:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	36981	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	152506	20.00	ng	0.00
38) Acenaphthene-d10	11.21	164	78078	20.00	ng	0.00
63) Phenanthrene-d10	13.94	188	155948	20.00	ng	0.00
75) Chrysene-d12	17.81	240	161366	20.00	ng	0.00
86) Perylene-d12	19.51	264	156589	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	3.87	112	241060	107.47	ng	0.00
7) Phenol-d6	5.36	99	311811	110.93	ng	0.00
23) Nitrobenzene-d5	6.80	82	180674	71.81	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	78389	121.05	ng	0.00
44) 2-Fluorobiphenyl	10.03	172	389430	71.30	ng	0.00
78) Terphenyl-d14	16.47	244	473377	66.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.45	88	25993	25.63	ng	# 23
3) Pyridine	1.93	79	97584	36.73	ng	94
4) n-Nitrosodimethylamine	1.90	42	31531	30.83	ng	98
6) Aniline	5.35	93	72025	18.07	ng	93
8) 2-Chlorophenol	5.52	128	94918	35.79	ng	100
9) Benzaldehyde	5.16	77	14538	7.80	ng	93
10) Phenol	5.38	94	115899	34.41	ng	97
11) bis(2-Chloroethyl)ether	5.48	93	83699	34.56	ng	95
12) 1,3-Dichlorobenzene	5.76	146	98857	33.93	ng	# 93
13) 1,4-Dichlorobenzene	5.88	146	99126	33.80	ng	97
14) 1,2-Dichlorobenzene	6.12	146	95539	34.75	ng	96
15) Benzyl Alcohol	6.14	79	77938	39.46	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.38	45	114683	35.50	ng	90
17) 2-Methylphenol	6.35	107	76769	37.28	ng	# 94
18) Hexachloroethane	6.67	117	34077	34.46	ng	92
19) n-Nitroso-di-n-propylamine	6.59	70	66931	36.09	ng	96
20) 3+4-Methylphenols	6.64	107	101467	36.94	ng	90
22) Acetophenone	6.56	105	132433	37.27	ng	# 94
24) Nitrobenzene	6.83	77	95603	36.35	ng	91
25) Isophorone	7.26	82	172706	36.17	ng	95
26) 2-Nitrophenol	7.38	139	47705	38.06	ng	97
27) 2,4-Dimethylphenol	7.54	122	85642	36.74	ng	98
28) bis(2-Chloroethoxy)methane	7.70	93	110531	36.10	ng	99
29) 2,4-Dichlorophenol	7.83	162	82756	39.03	ng	95
30) 1,2,4-Trichlorobenzene	7.94	180	82199	33.81	ng	99
31) Naphthalene	8.06	128	270554	34.08	ng	99
32) Benzoic acid	7.78	122	33242	32.46	ng	93
33) 4-Chloroaniline	8.22	127	52345	15.89	ng	97
34) Hexachlorobutadiene	8.31	225	46979	35.19	ng	98
35) Caprolactam	8.84	113	23672	37.40	ng	96
36) 4-Chloro-3-methylphenol	9.18	107	85669	40.04	ng	90
37) 2-Methylnaphthalene	9.31	142	188189	34.92	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.63	216	81607	33.73	ng	96
40) Hexachlorocyclopentadiene	9.61	237	70524	68.76	ng	97

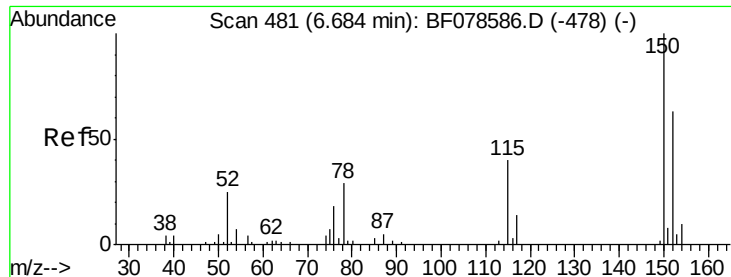
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078648.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.88	196	57311	37.56	ng	99
43) 2,4,5-Trichlorophenol	9.95	196	57283	35.94	ng	# 92
45) 1,1'-Biphenyl	10.19	154	228639	35.80	ng	96
46) 2-Chloronaphthalene	10.19	162	177067	35.24	ng	96
47) 2-Nitroaniline	10.44	65	49465	39.79	ng	# 69
48) Acenaphthylene	10.94	152	286437	35.30	ng	99
49) Dimethylphthalate	10.84	163	217327	37.05	ng	# 98
50) 2,6-Dinitrotoluene	10.94	165	45739	37.90	ng	# 52
51) Acenaphthene	11.27	154	164995	36.12	ng	99
52) 3-Nitroaniline	11.21	138	26493	19.31	ng	# 94
53) 2,4-Dinitrophenol	11.44	184	32524	72.66	ng	93
54) Dibenzofuran	11.60	168	261691	37.50	ng	97
55) 4-Nitrophenol	11.65	139	56683	56.92	ng	92
56) 2,4-Dinitrotoluene	11.67	165	63399	40.56	ng	# 83
57) Fluorene	12.23	166	215202	38.05	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.86	232	40849	34.57	ng	98
59) Diethylphthalate	12.17	149	212883	37.64	ng	99
60) 4-Chlorophenyl-phenylether	12.29	204	97421	37.44	ng	# 82
61) 4-Nitroaniline	12.34	138	44610	32.16	ng	98
62) Azobenzene	12.57	77	200776	38.90	ng	97
64) 4,6-Dinitro-2-methylphenol	12.42	198	26228	36.40	ng	# 62
65) n-Nitrosodiphenylamine	12.53	169	182941	33.91	ng	98
66) 4-Bromophenyl-phenylether	13.19	248	59859	36.24	ng	# 89
67) Hexachlorobenzene	13.22	284	62332	34.44	ng	# 89
68) Atrazine	13.60	200	70254	44.97	ng	96
69) Pentachlorophenol	13.63	266	43635	56.86	ng	99
70) Phenanthrene	13.99	178	310668	34.44	ng	99
71) Anthracene	14.08	178	319308	35.92	ng	99
72) Carbazole	14.41	167	302761	36.34	ng	99
73) Di-n-butylphthalate	15.09	149	360488	38.20	ng	100
74) Fluoranthene	15.86	202	340204	35.76	ng	97
76) Benzidine	16.13	184	99690	16.04	ng	97
77) Pyrene	16.17	202	359047	35.44	ng	98
79) Butylbenzylphthalate	17.17	149	161867	41.93	ng	# 82
80) Benzo(a)anthracene	17.79	228	342096	35.63	ng	98
81) 3,3'-Dichlorobenzidine	17.79	252	66681	20.74	ng	# 97
82) Chrysene	17.84	228	309917	34.36	ng	99
83) Bis(2-ethylhexyl)phthalate	17.92	149	235639	38.91	ng	# 95
84) Di-n-octyl phthalate	18.71	149	404391	40.67	ng	# 100
85) Indeno(1,2,3-cd)pyrene	20.69	276	352716	34.46	ng	# 88
87) Benzo(b)fluoranthene	19.09	252	321498	33.22	ng	99
88) Benzo(k)fluoranthene	19.09	252	321498	37.38	ng	# 95
89) Benzo(a)pyrene	19.45	252	306702	36.31	ng	99
90) Dibenzo(a,h)anthracene	20.71	278	288232	34.09	ng	97
91) Benzo(g,h,i)perylene	21.01	276	287634	33.93	ng	95

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

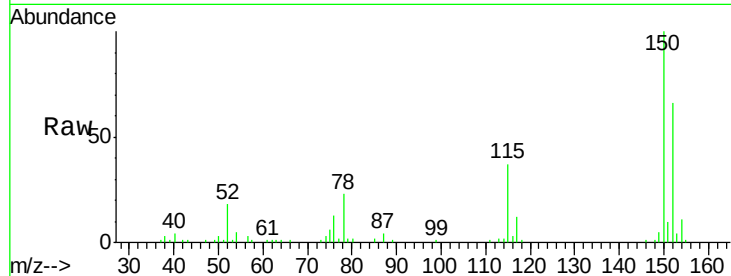


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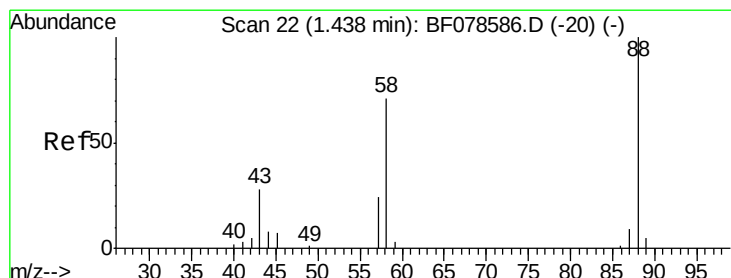
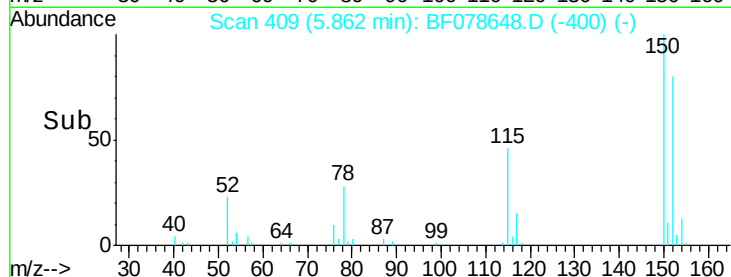
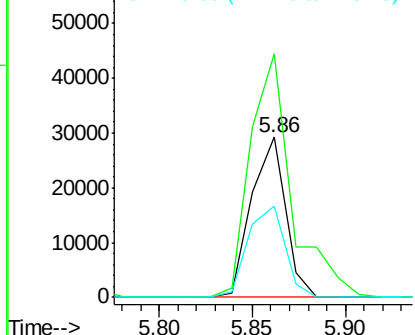
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.86 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Instrument :
BNA_F
ClientSampleId :
PB82874BS

Tgt Ion:152 Resp: 36981
Ion Ratio Lower Upper
152 100
150 152.3 125.9 188.9
115 56.7 52.7 79.1



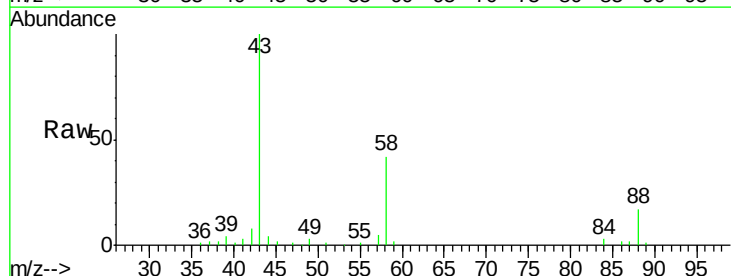
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



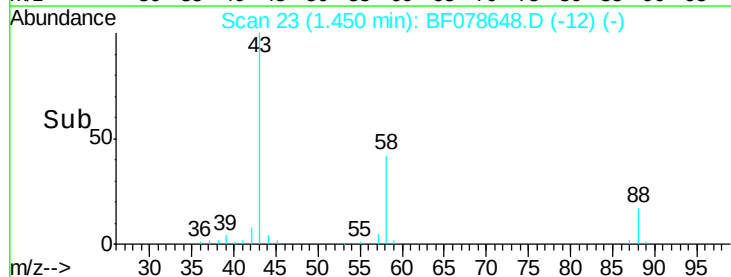
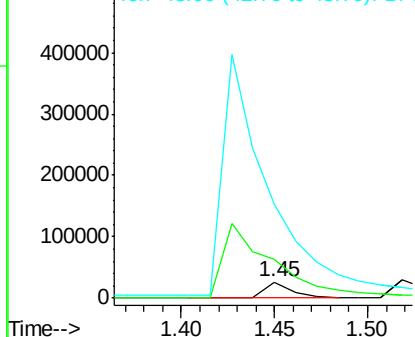
#2

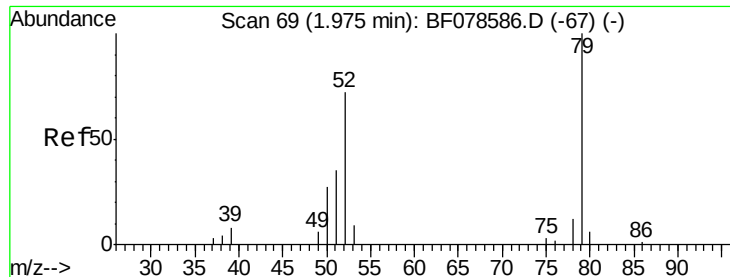
1,4-Dioxane
Concen: 25.63 ng
RT: 1.45 min Scan# 23
Delta R.T. 0.02 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion: 88 Resp: 25993
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 0.0 21.4 32.2#



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: 36.73 ng

RT: 1.93 min Scan# 65

Delta R.T. 0.02 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

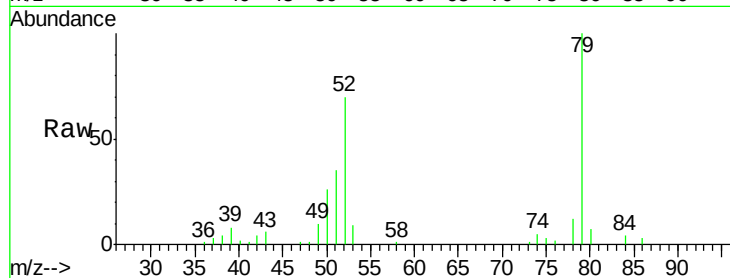
Tgt Ion: 79 Resp: 97584

Ion Ratio Lower Upper

79 100

52 69.7 52.4 78.6

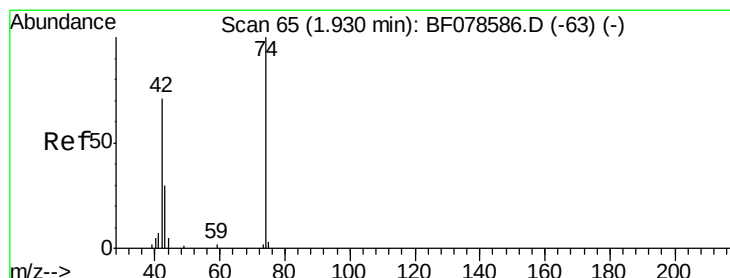
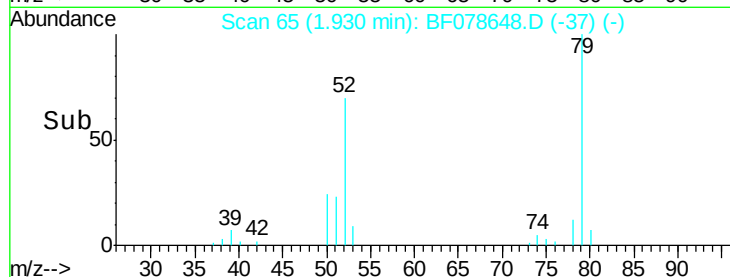
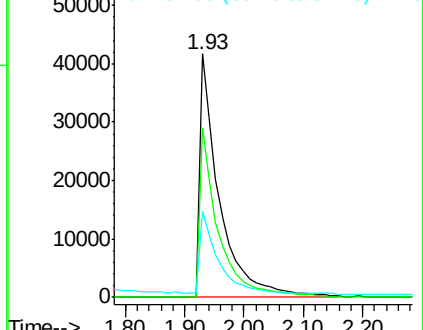
51 35.3 24.9 37.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 30.83 ng

RT: 1.90 min Scan# 62

Delta R.T. 0.02 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

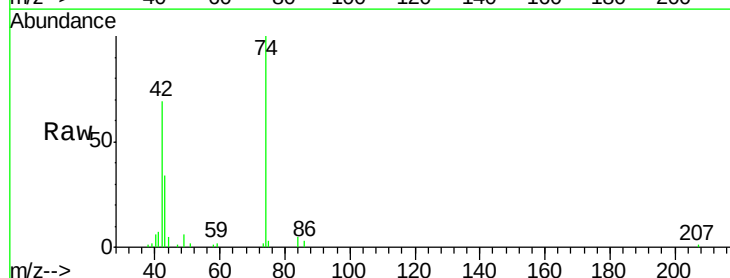
Tgt Ion: 42 Resp: 31531

Ion Ratio Lower Upper

42 100

74 145.3 118.7 178.1

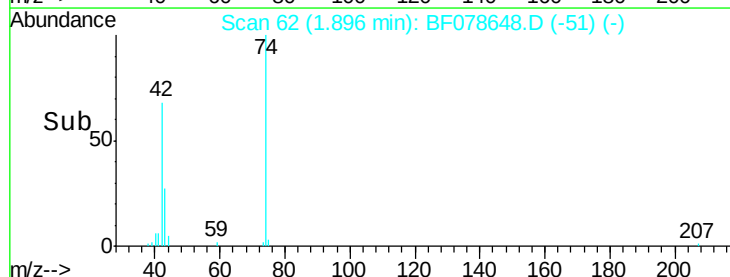
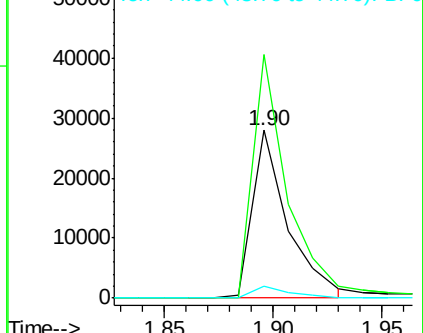
44 6.9 5.9 8.9

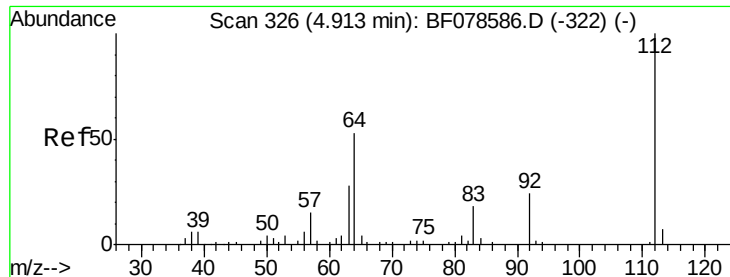


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 107.47 ng

RT: 3.87 min Scan# 235

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

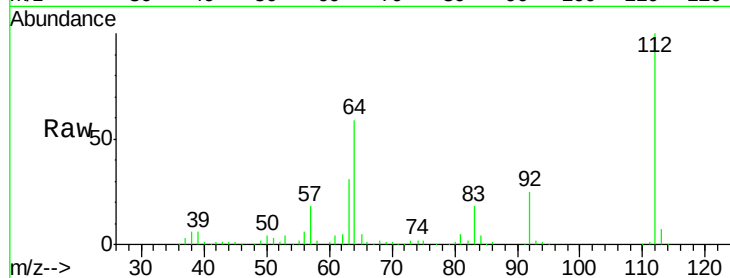
Tgt Ion: 112 Resp: 241060

Ion Ratio Lower Upper

112 100

64 58.7 39.9 59.9

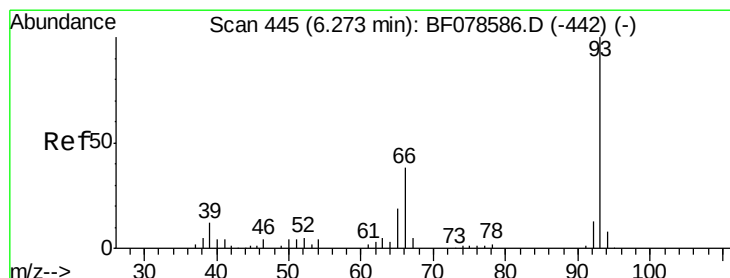
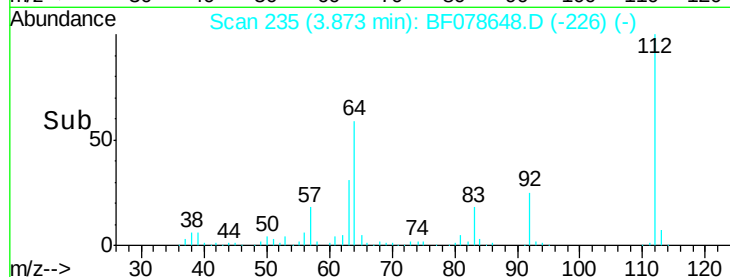
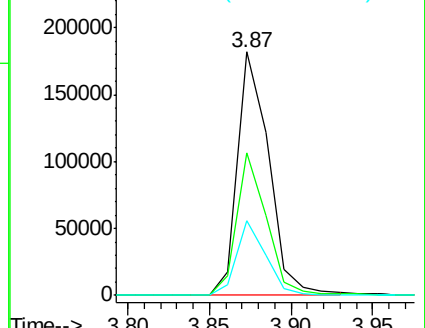
63 30.9 20.2 30.4#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.07 ng

RT: 5.35 min Scan# 364

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

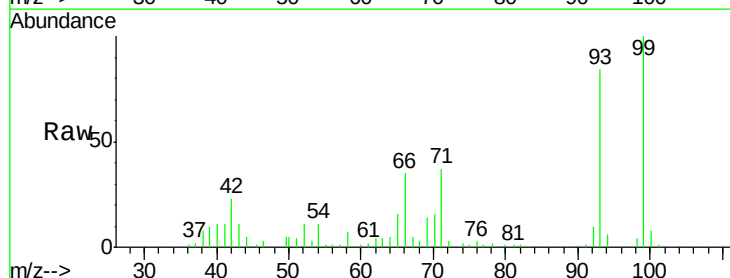
Tgt Ion: 93 Resp: 72025

Ion Ratio Lower Upper

93 100

66 42.0 38.0 57.0

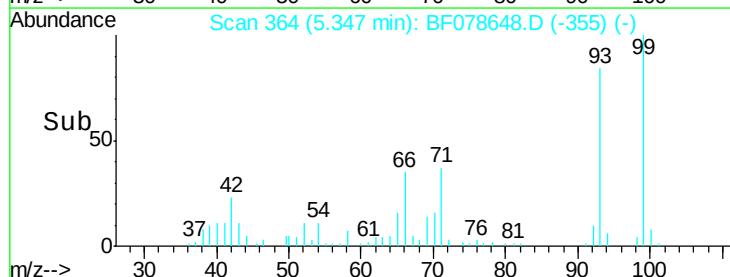
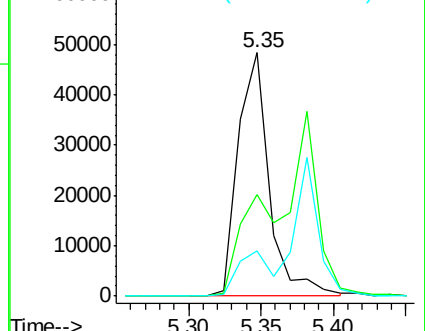
65 18.4 16.3 24.5

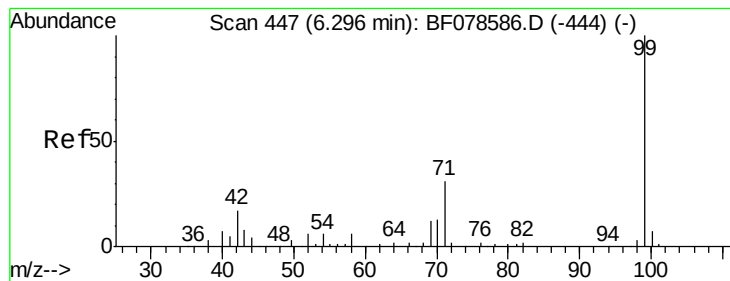


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.93 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

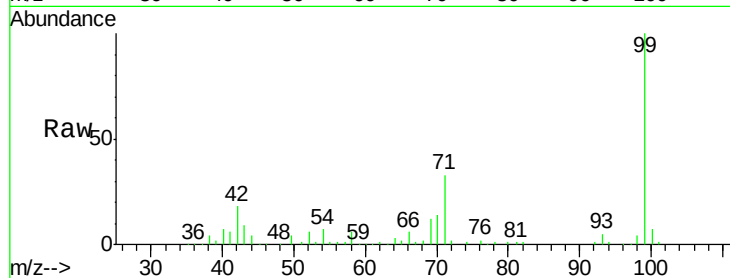
Tgt Ion: 99 Resp: 311811

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

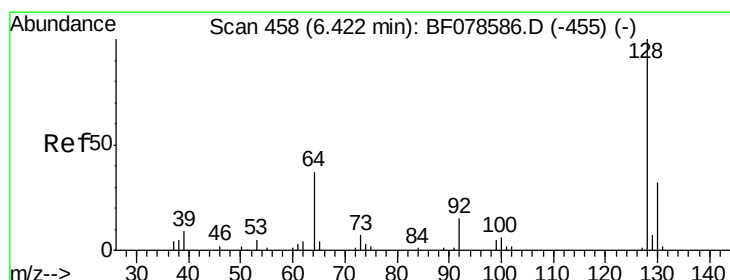
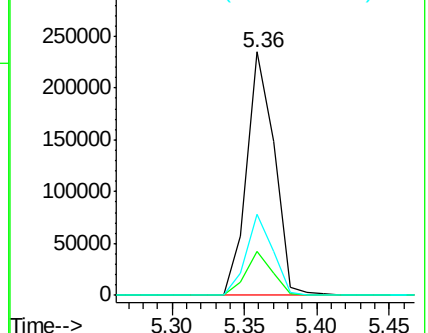
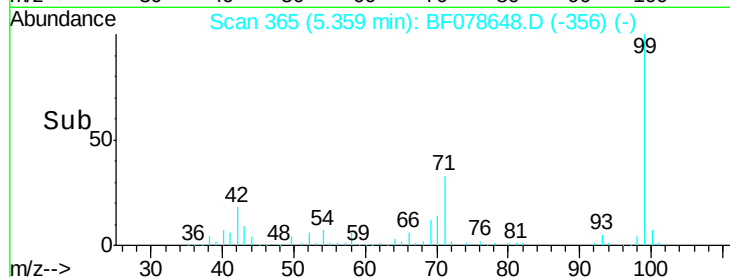
71 33.3 26.6 39.8



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: 35.79 ng

RT: 5.52 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

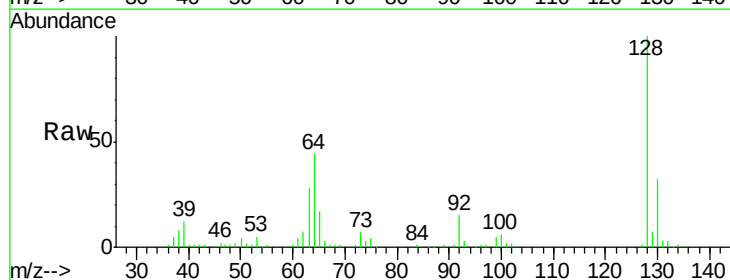
Tgt Ion: 128 Resp: 94918

Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

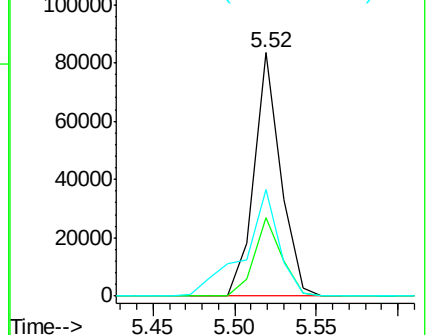
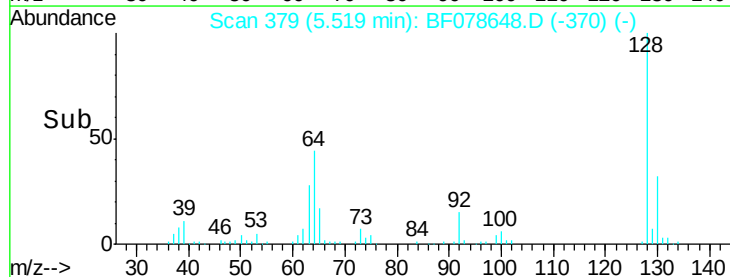
64 44.0 23.8 63.8

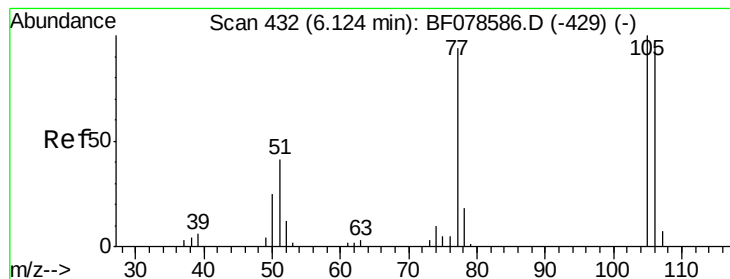


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.80 ng

RT: 5.16 min Scan# 348

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

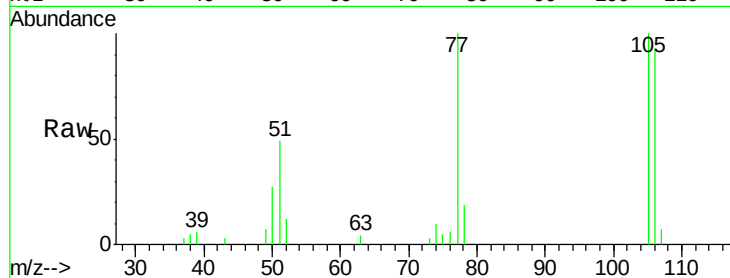
Tgt Ion: 77 Resp: 14538

Ion Ratio Lower Upper

77 100

105 100.0 85.4 125.4

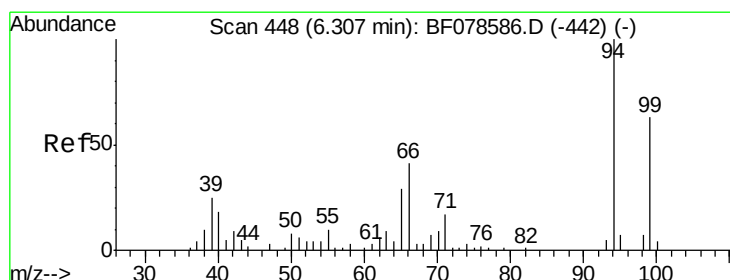
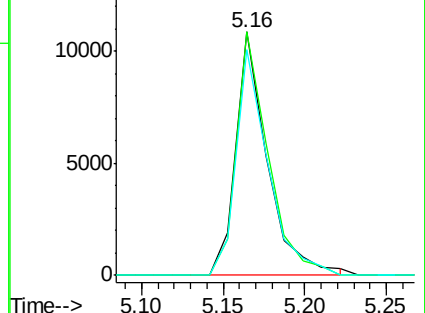
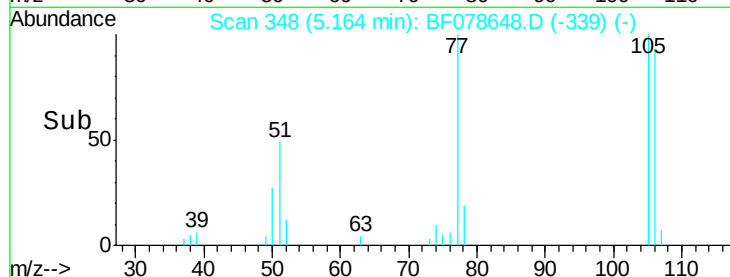
106 92.5 80.8 120.8



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: 34.41 ng

RT: 5.38 min Scan# 367

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

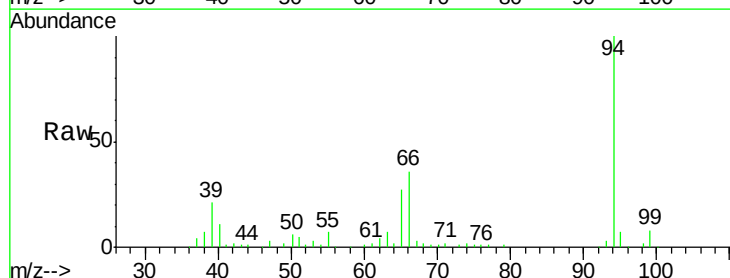
Tgt Ion: 94 Resp: 115899

Ion Ratio Lower Upper

94 100

65 26.8 4.9 44.9

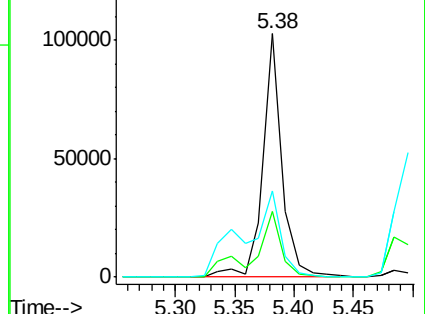
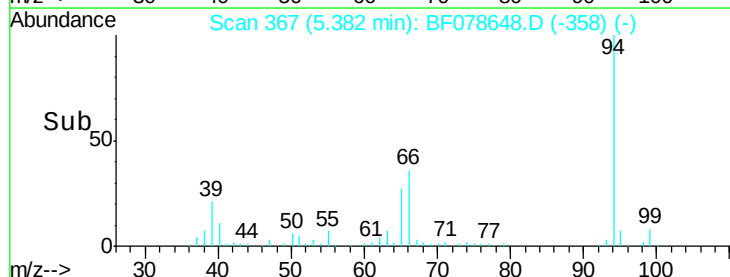
66 35.6 13.8 53.8

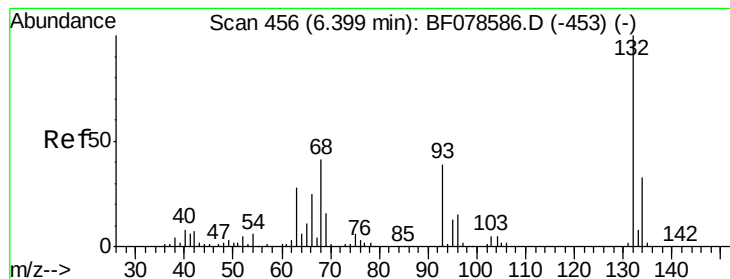


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 34.56 ng

RT: 5.48 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

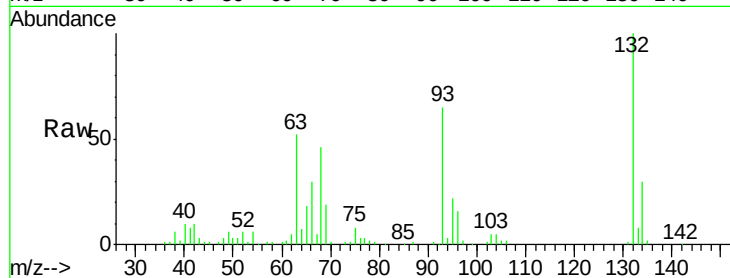
Tgt Ion: 93 Resp: 83699

Ion Ratio Lower Upper

93 100

63 79.8 54.6 94.6

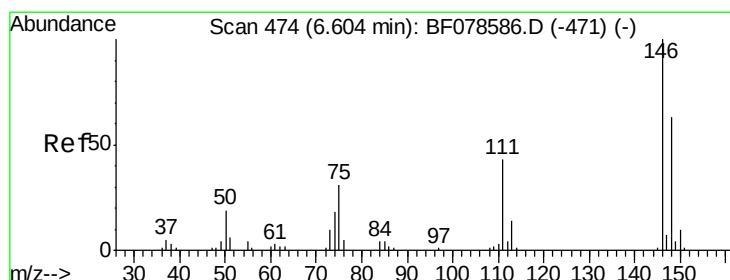
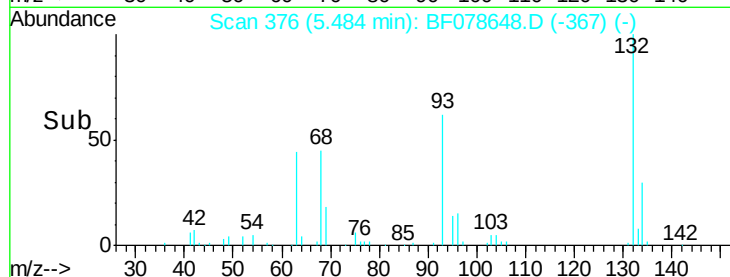
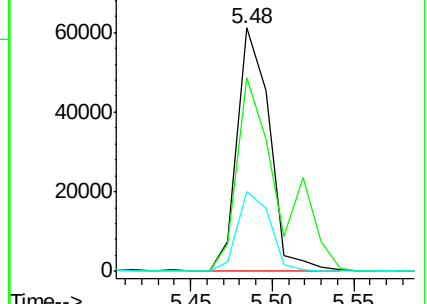
95 32.9 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF078586.D (-453) (-)

Ion 63.00 (62.70 to 63.70): BF078586.D (-453) (-)

Ion 95.00 (94.70 to 95.70): BF078586.D (-453) (-)



#12

1,3-Dichlorobenzene

Concen: 33.93 ng

RT: 5.76 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

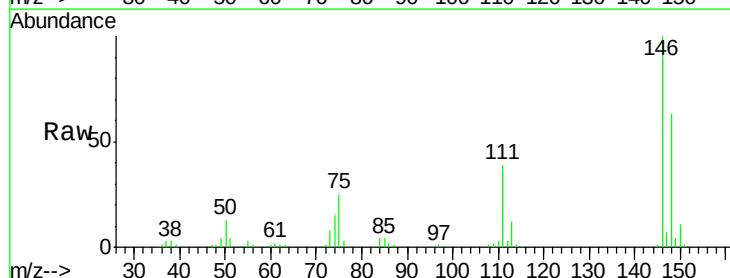
Tgt Ion: 146 Resp: 98857

Ion Ratio Lower Upper

146 100

148 63.4 49.1 73.7

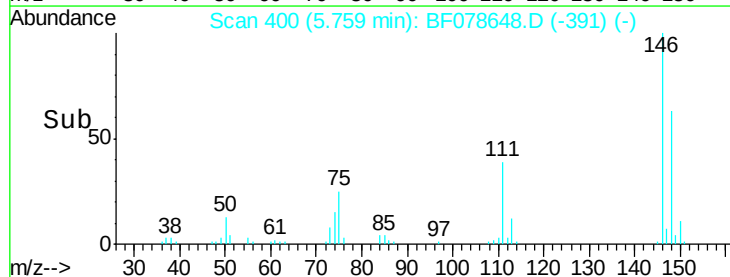
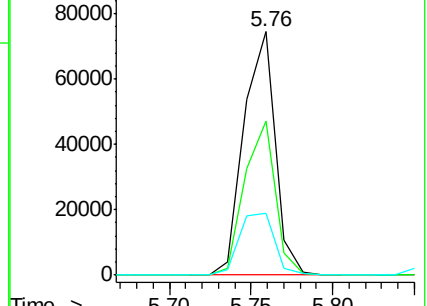
75 25.3 26.6 40.0#

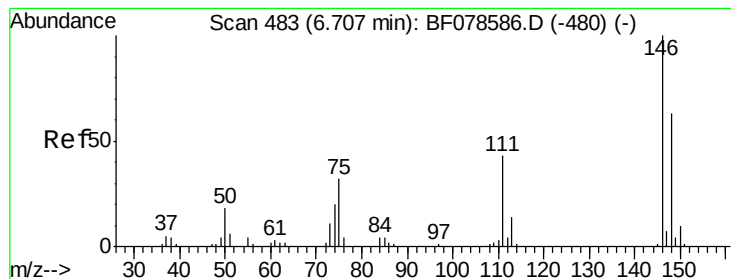


Abundance Ion 146.00 (145.70 to 146.70): BF078586.D (-471) (-)

Ion 148.00 (147.70 to 148.70): BF078586.D (-471) (-)

Ion 75.00 (74.70 to 75.70): BF078586.D (-471) (-)





#13

1,4-Dichlorobenzene

Concen: 33.80 ng

RT: 5.88 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

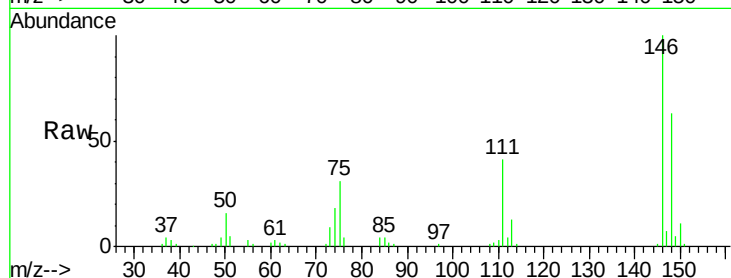
Tgt Ion:146 Resp: 99126

Ion Ratio Lower Upper

146 100

148 62.6 51.4 77.0

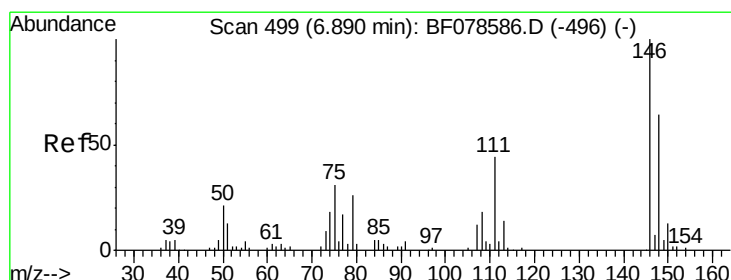
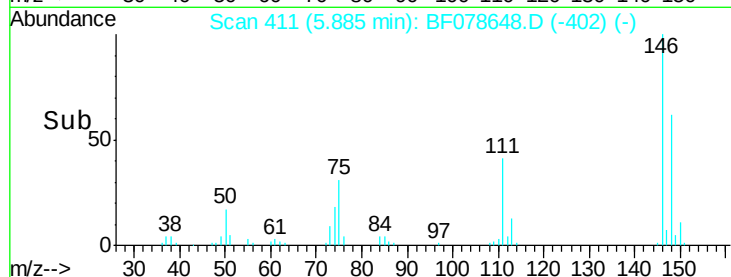
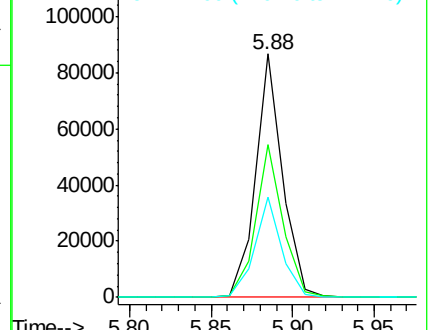
111 41.2 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 34.75 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

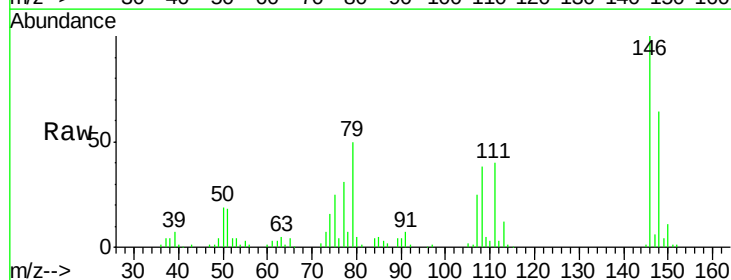
Tgt Ion:146 Resp: 95539

Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.4

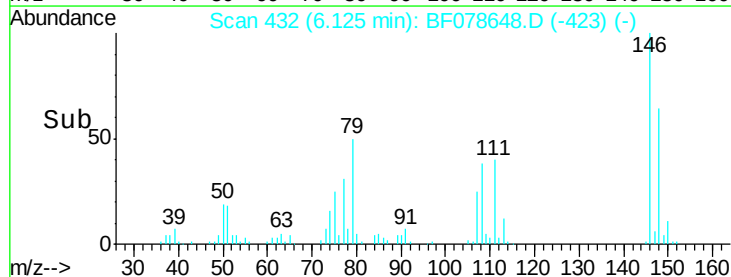
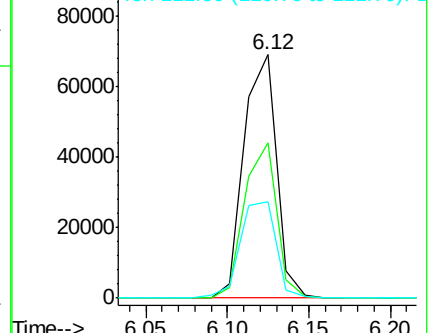
111 39.7 36.1 54.1

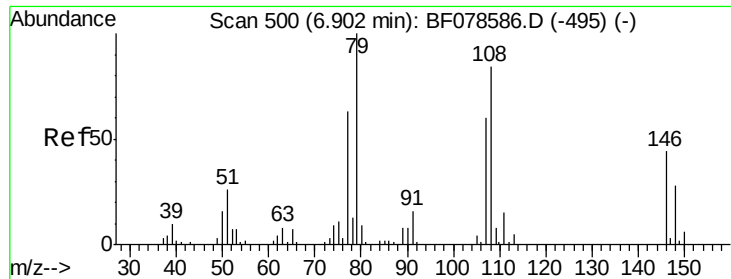


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.46 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

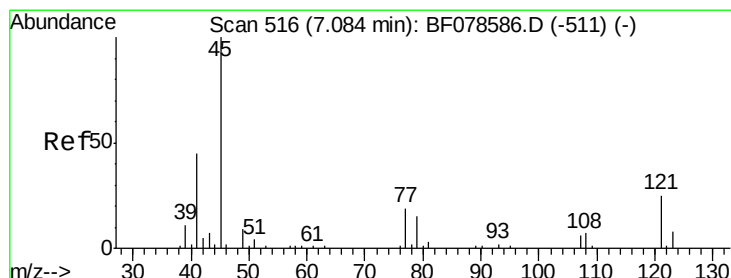
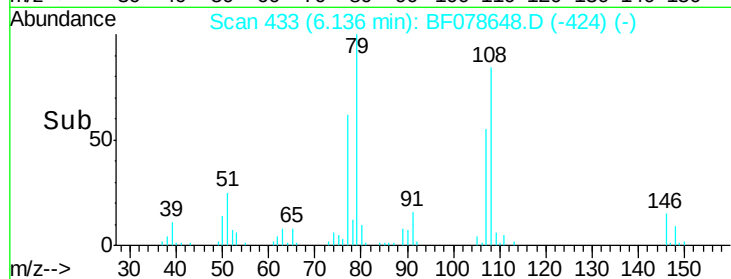
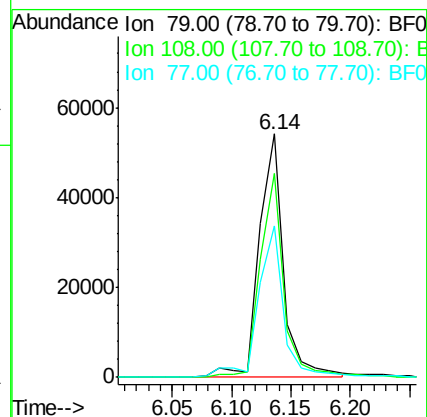
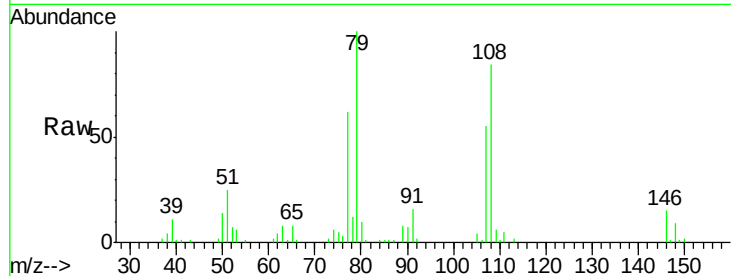
Tgt Ion: 79 Resp: 77938

Ion Ratio Lower Upper

79 100

108 83.5 57.6 86.4

77 62.4 53.5 80.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.50 ng

RT: 6.38 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

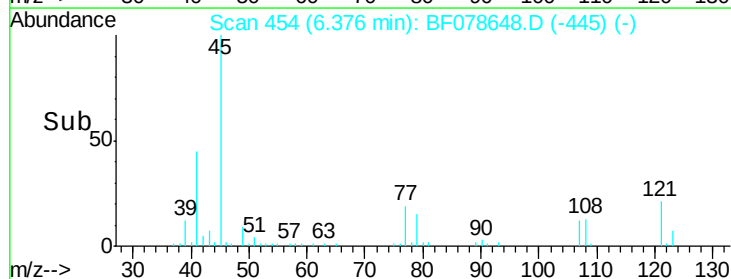
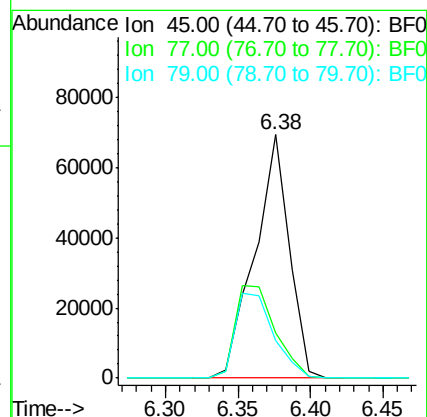
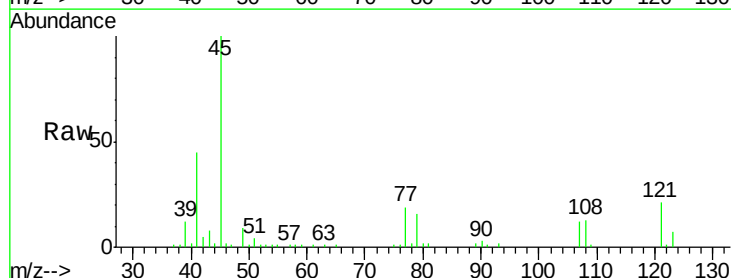
Tgt Ion: 45 Resp: 114683

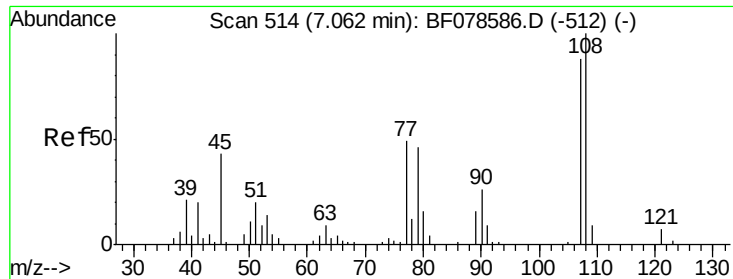
Ion Ratio Lower Upper

45 100

77 18.6 0.0 34.5

79 15.6 0.0 31.9

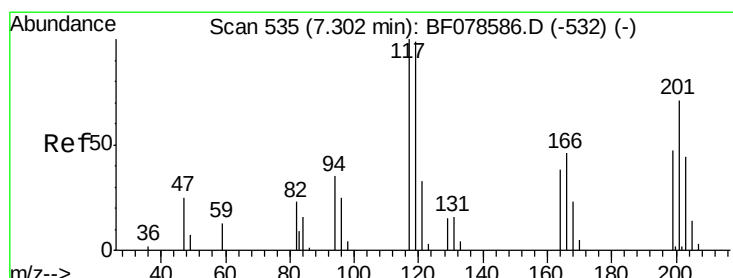
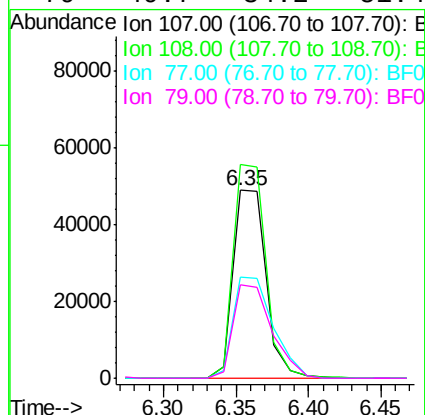
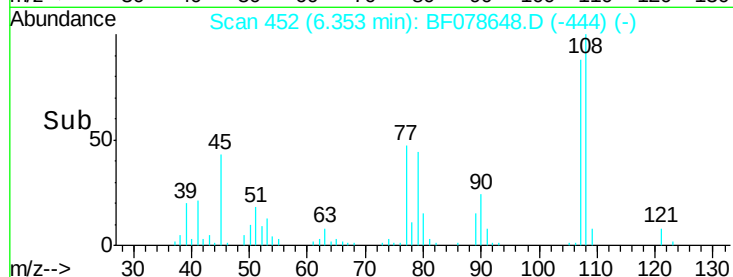
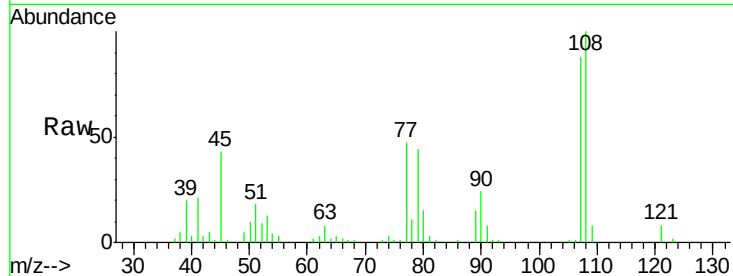




#17
2-Methylphenol
Concen: 37.28 ng
RT: 6.35 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

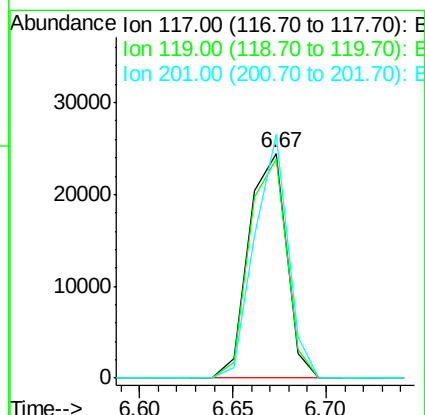
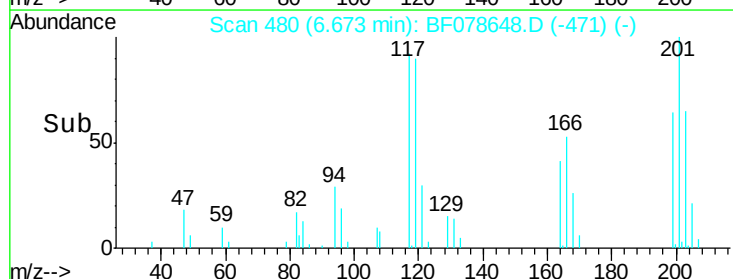
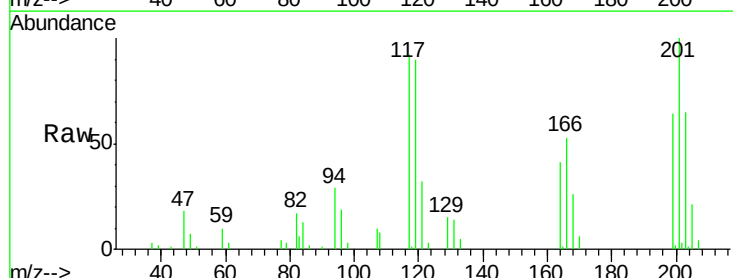
Instrument :
BNA_F
ClientSampleId :
PB82874BS

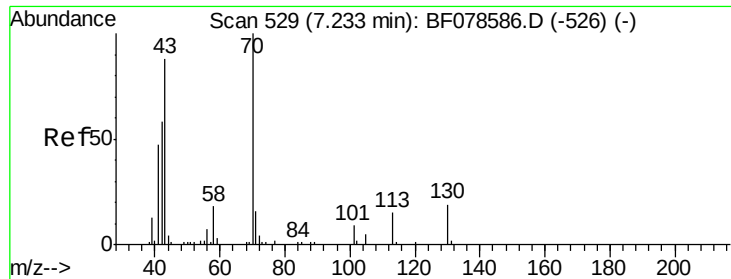
Tgt Ion:107 Resp: 76769
Ion Ratio Lower Upper
107 100
108 113.6 90.3 135.5
77 53.6 35.5 53.3#
79 49.7 34.2 51.4



#18
Hexachloroethane
Concen: 34.46 ng
RT: 6.67 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion:117 Resp: 34077
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.6
201 108.3 98.1 147.1

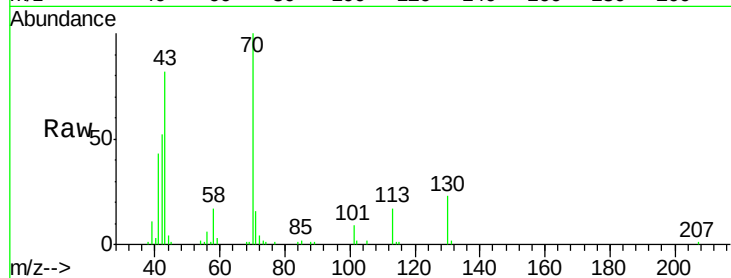




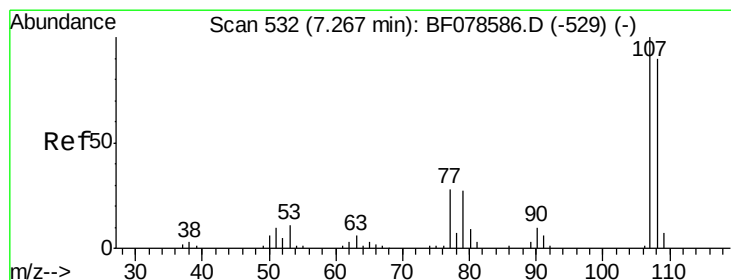
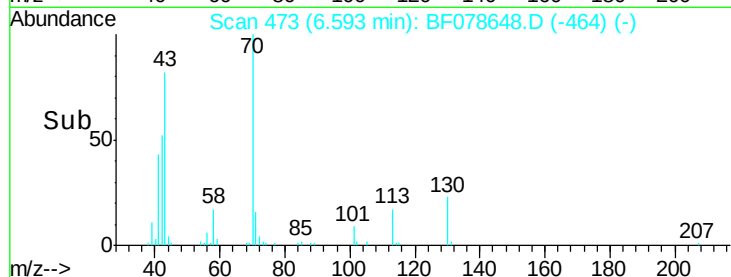
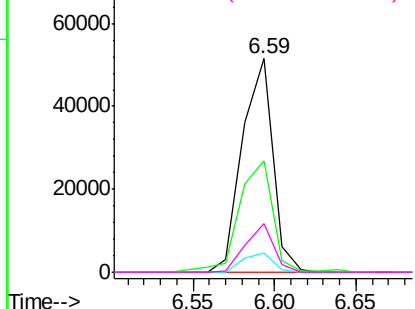
#19
n-Nitroso-di-n-propylamine
Concen: 36.09 ng
RT: 6.59 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Instrument :
BNA_F
ClientSampleId :
PB82874BS

Tgt Ion:	70	Resp:	66931
Ion	Ratio	Lower	Upper
70	100		
42	51.9	38.9	58.3
101	9.1	8.3	12.5
130	23.0	19.8	29.8

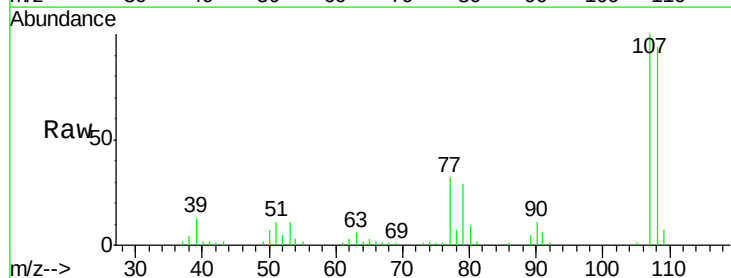


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

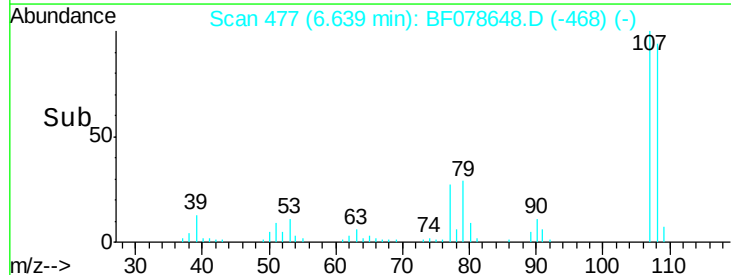
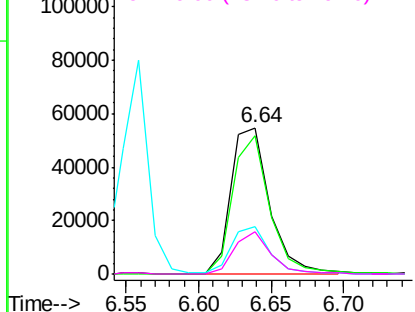


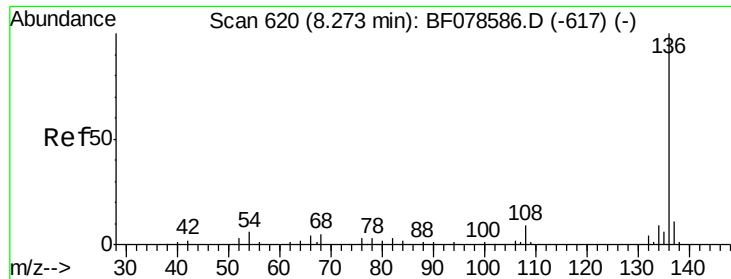
#20
3+4-Methylphenols
Concen: 36.94 ng
RT: 6.64 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion:	107	Resp:	101467
Ion	Ratio	Lower	Upper
107	100		
108	94.3	64.4	104.4
77	32.4	9.7	49.7
79	29.3	4.0	44.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

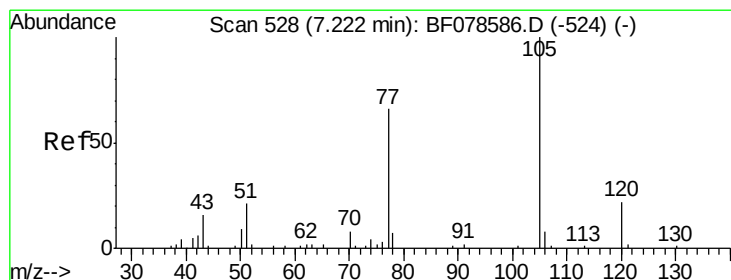
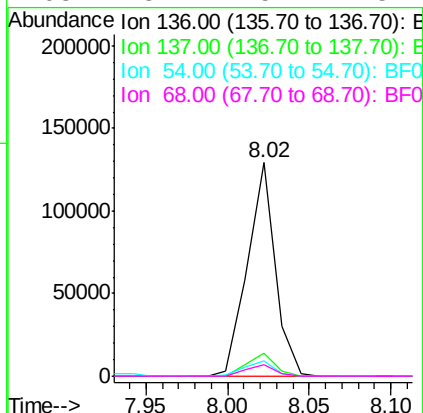
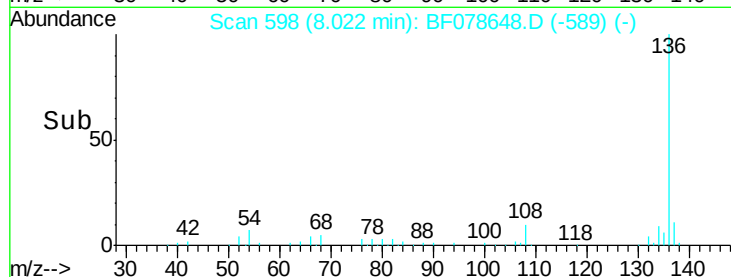
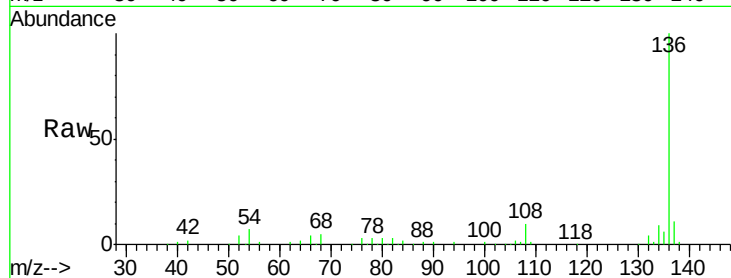




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 598
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

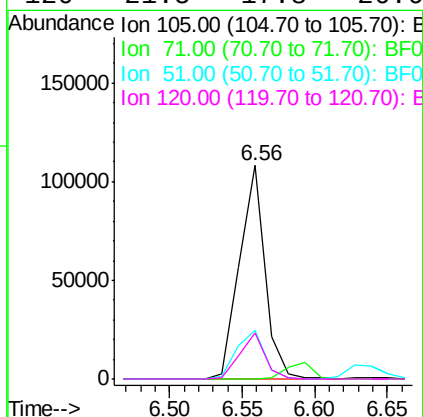
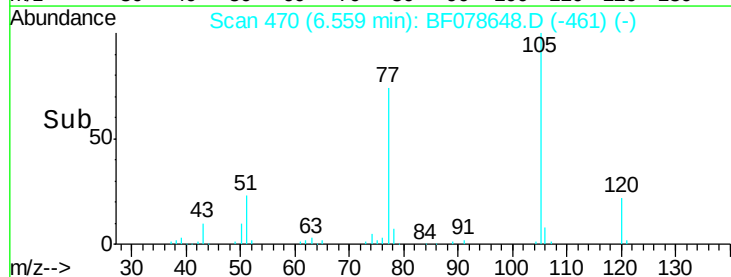
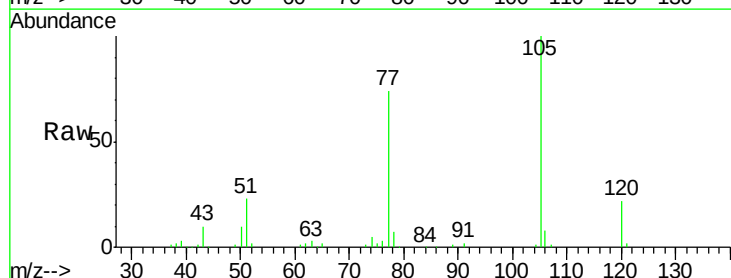
Instrument :
BNA_F
ClientSampleId :
PB82874BS

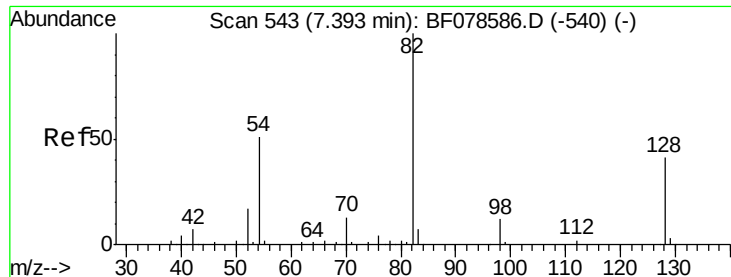
Tgt Ion:	136	Resp:	152506
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	7.1	7.0	10.6
68	5.2	5.4	8.2#



#22
Acetophenone
Concen: 37.27 ng
RT: 6.56 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion:	105	Resp:	132433
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.5	8.3#
51	22.7	16.0	24.0
120	21.5	17.8	26.6

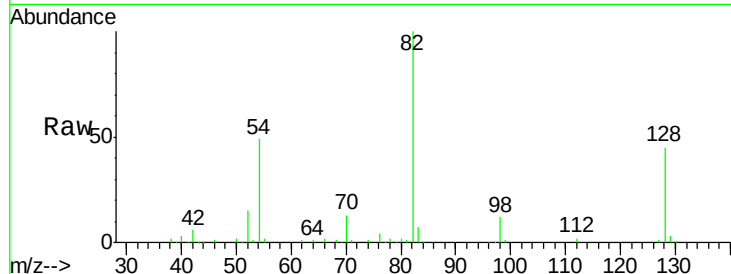




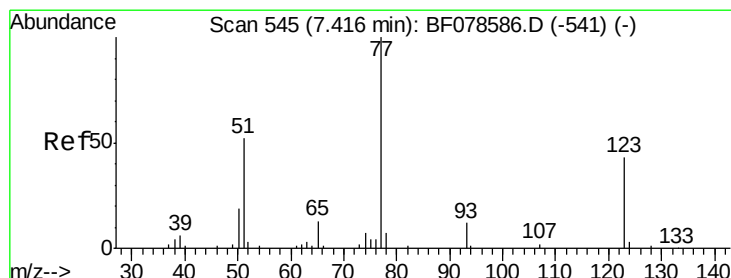
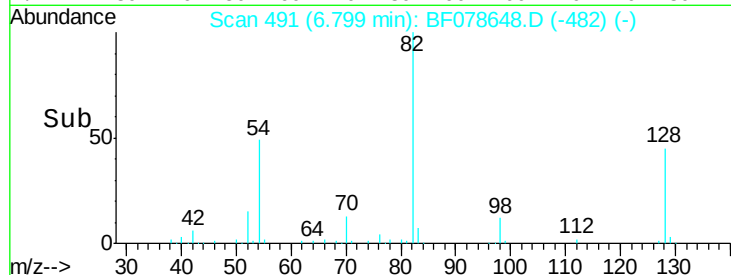
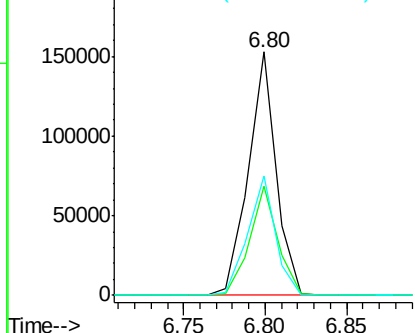
#23
 Nitrobenzene-d5
 Concen: 71.81 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	31.8	47.8
54	49.1	41.5	62.3

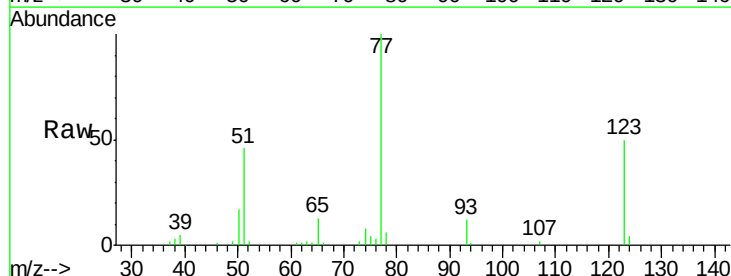


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

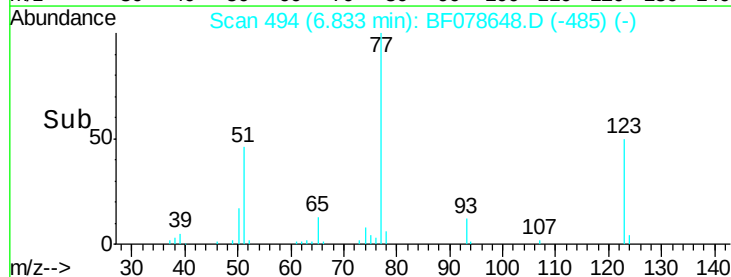
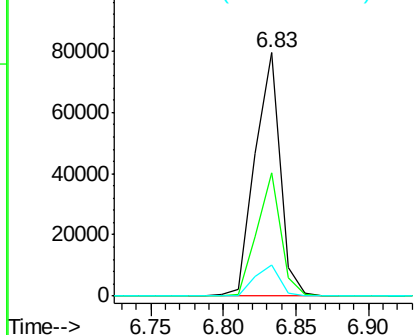


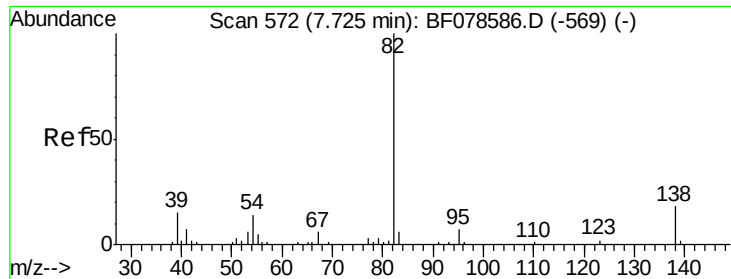
#24
 Nitrobenzene
 Concen: 36.35 ng
 RT: 6.83 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.5	46.9	70.3
65	12.7	9.5	14.3



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





#25

Isophorone

Concen: 36.17 ng

RT: 7.26 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

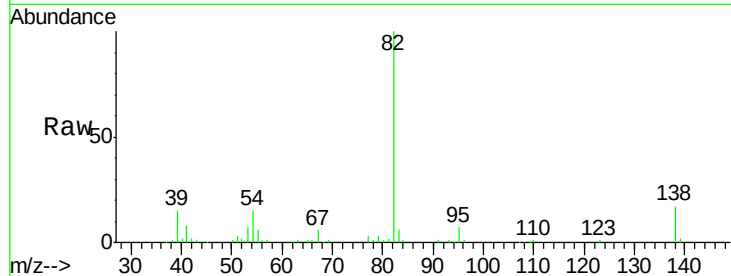
Tgt Ion: 82 Resp: 172706

Ion Ratio Lower Upper

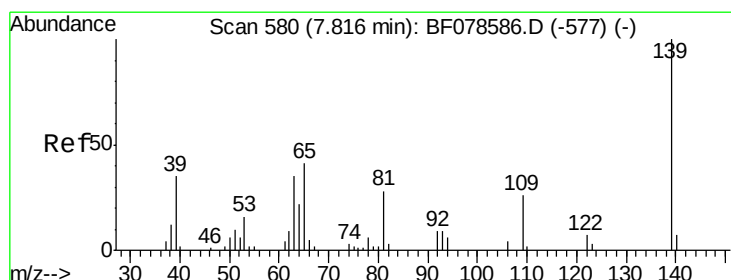
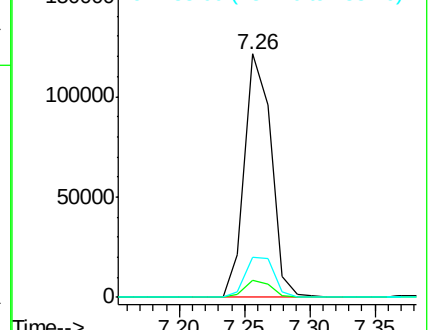
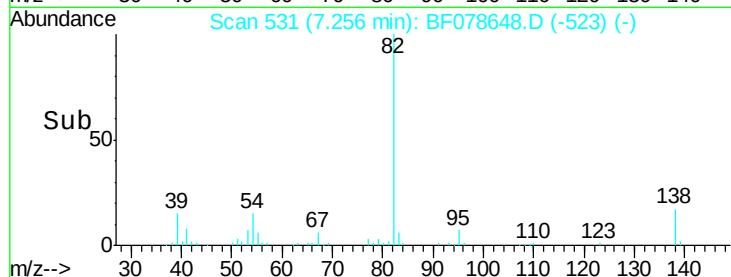
82 100

95 7.1 5.7 8.5

138 16.6 15.8 23.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 38.06 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

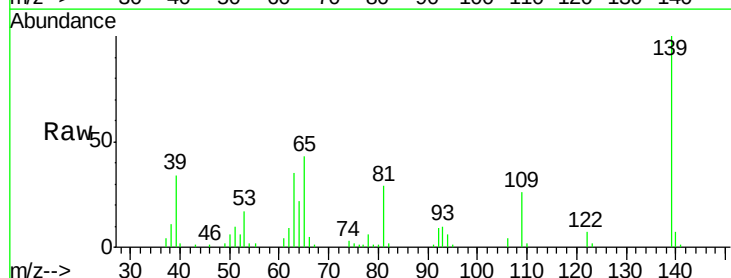
Tgt Ion: 139 Resp: 47705

Ion Ratio Lower Upper

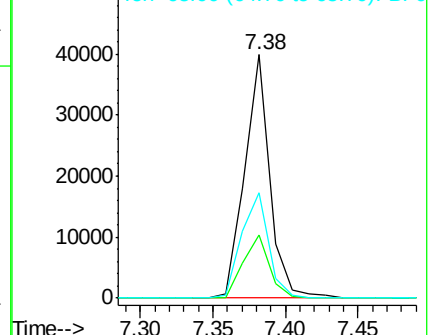
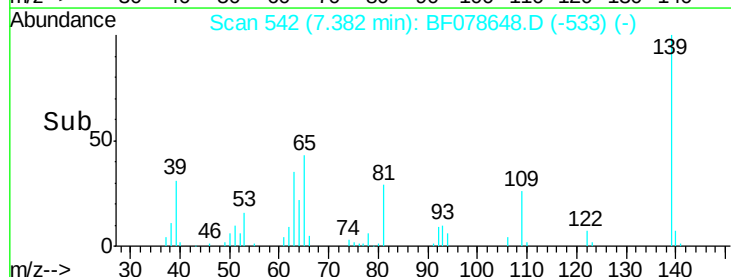
139 100

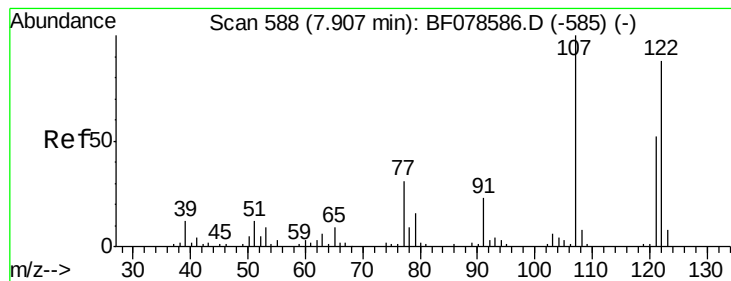
109 25.7 19.8 29.8

65 43.2 32.7 49.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 36.74 ng

RT: 7.54 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

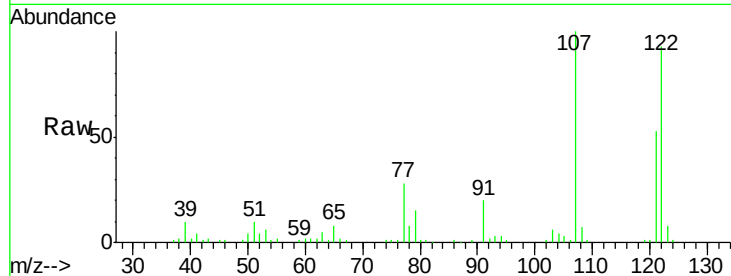
Tgt Ion: 122 Resp: 85642

Ion Ratio Lower Upper

122 100

107 107.9 84.6 127.0

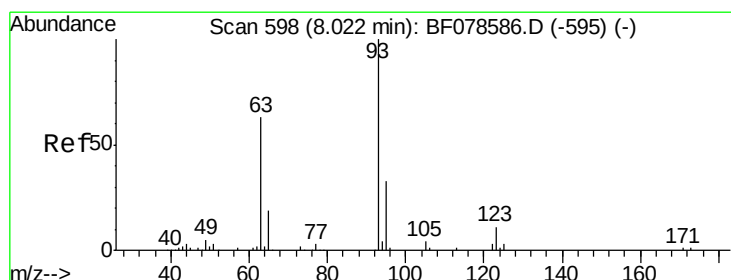
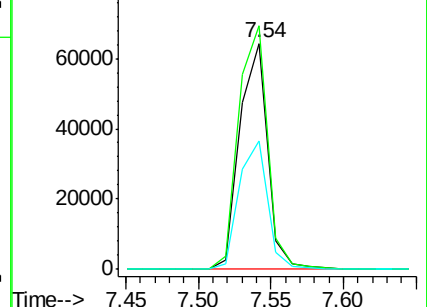
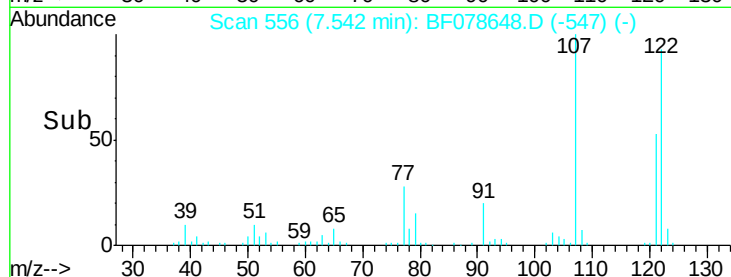
121 56.8 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.10 ng

RT: 7.70 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

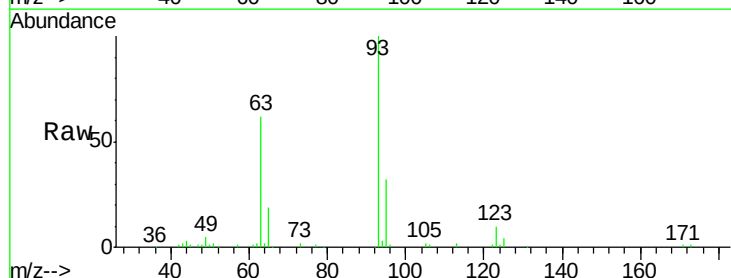
Tgt Ion: 93 Resp: 110531

Ion Ratio Lower Upper

93 100

95 32.3 26.3 39.5

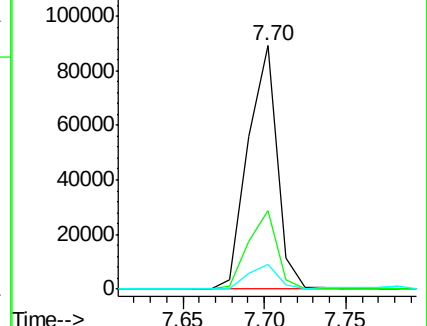
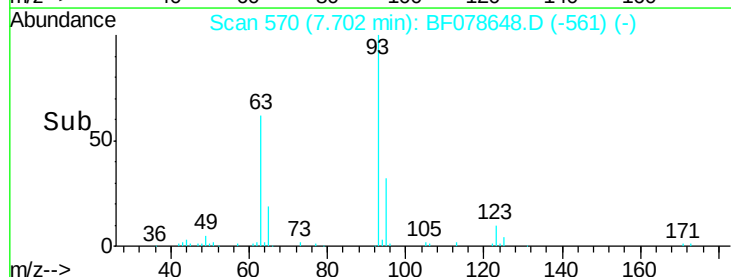
123 10.3 9.1 13.7

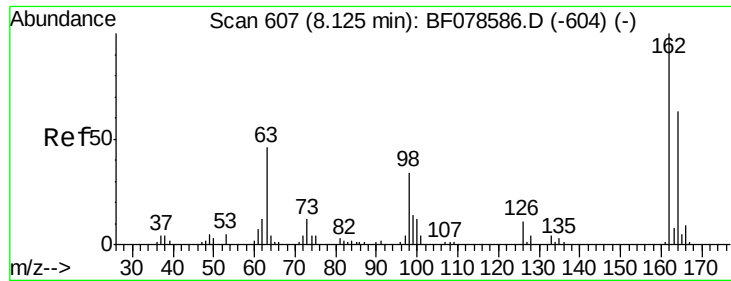


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

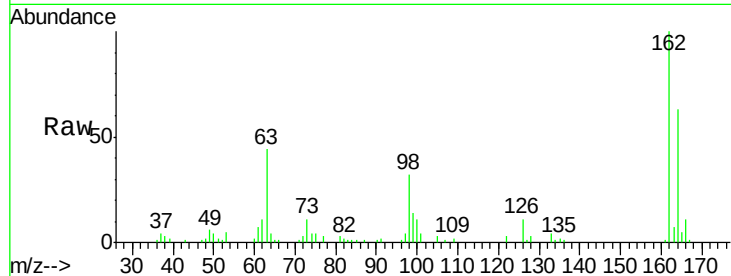




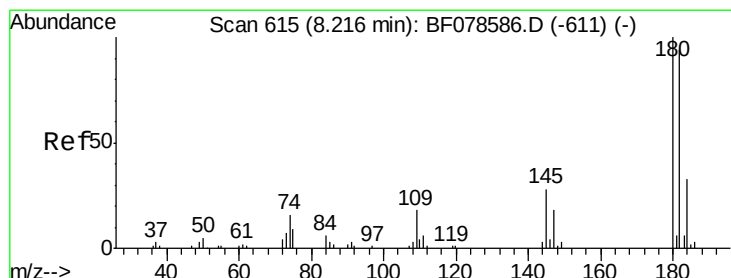
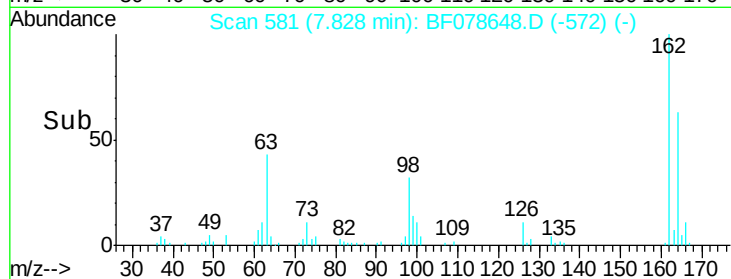
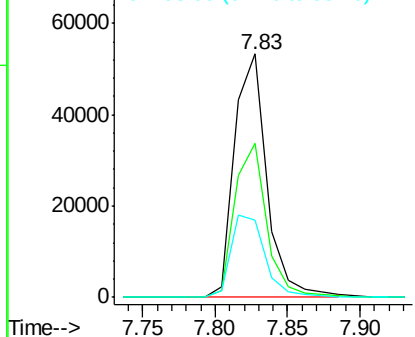
#29
2,4-Dichlorophenol
Concen: 39.03 ng
RT: 7.83 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Instrument :
BNA_F
ClientSampleId :
PB82874BS

Tgt Ion:162 Resp: 82756
Ion Ratio Lower Upper
162 100
164 63.1 47.0 87.0
98 31.9 9.2 49.2

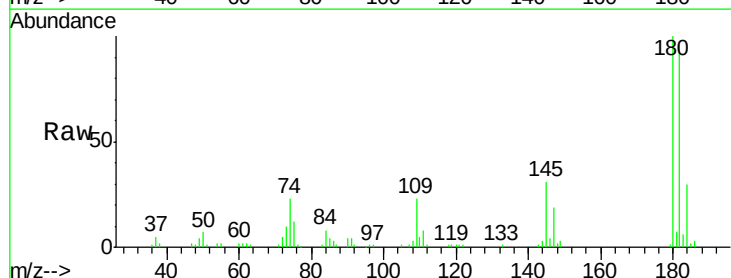


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

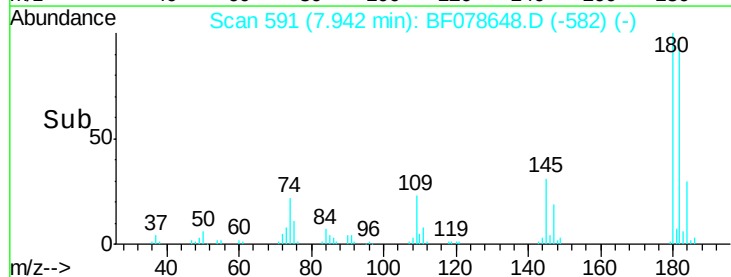
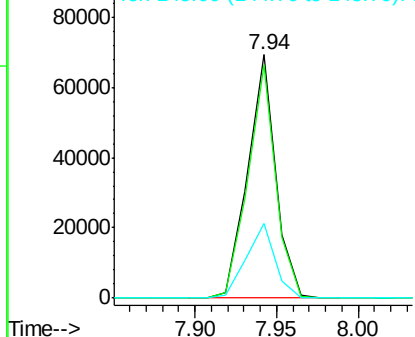


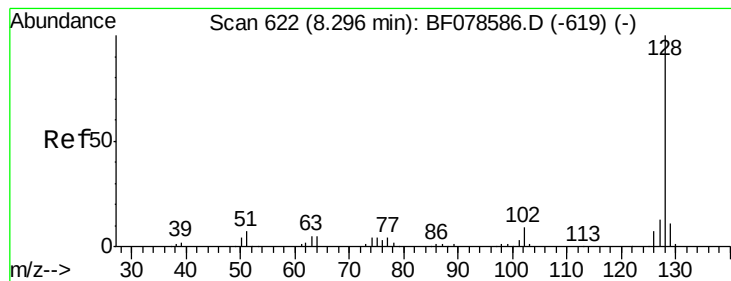
#30
1,2,4-Trichlorobenzene
Concen: 33.81 ng
RT: 7.94 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion:180 Resp: 82199
Ion Ratio Lower Upper
180 100
182 95.9 76.9 115.3
145 30.5 22.5 33.7



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: 34.08 ng

RT: 8.06 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

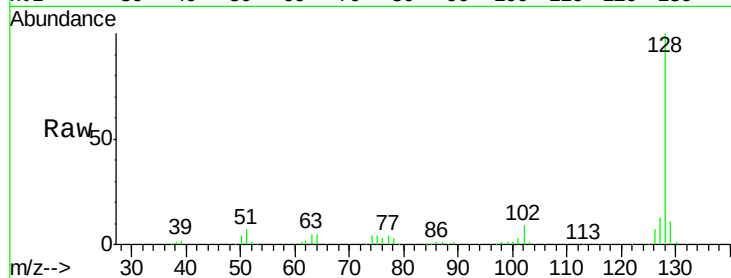
Tgt Ion:128 Resp: 270554

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

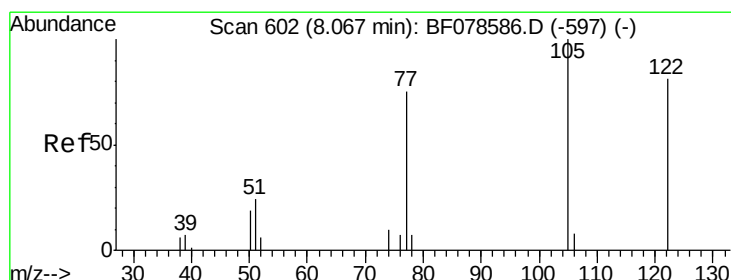
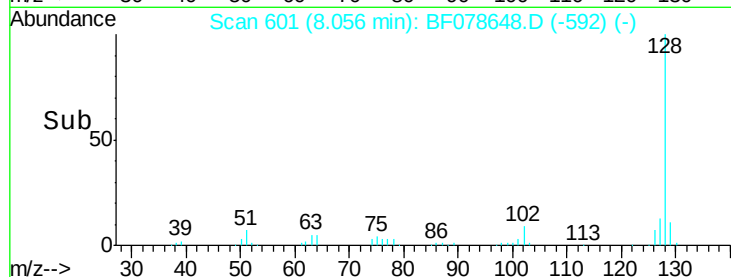
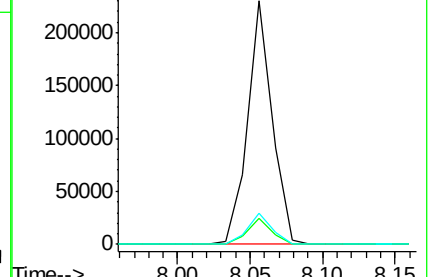
127 13.0 10.7 16.1



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: 32.46 ng

RT: 7.78 min Scan# 577

Delta R.T. -0.01 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

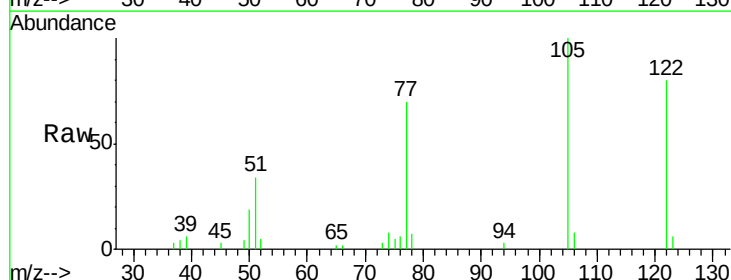
Tgt Ion:122 Resp: 33242

Ion Ratio Lower Upper

122 100

105 125.2 96.1 136.1

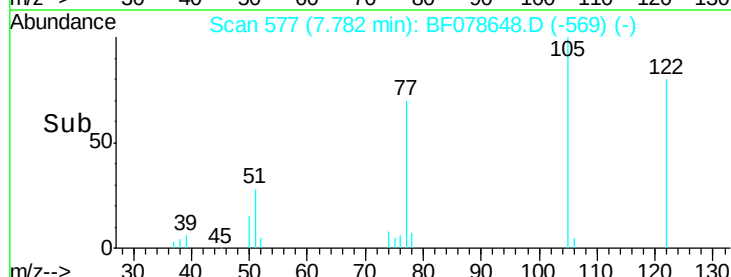
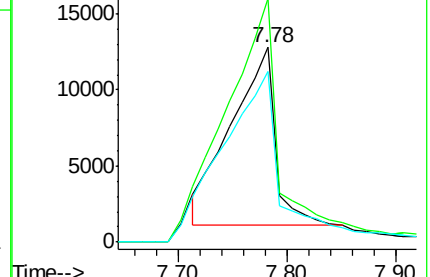
77 88.0 64.1 104.1

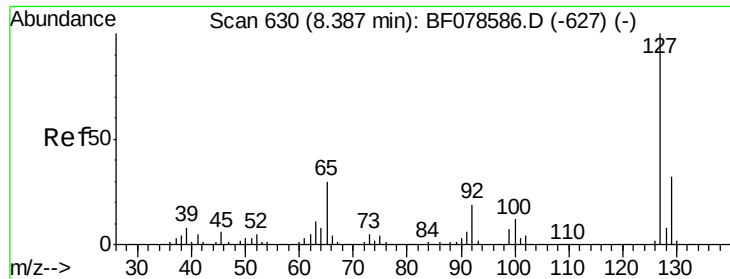


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

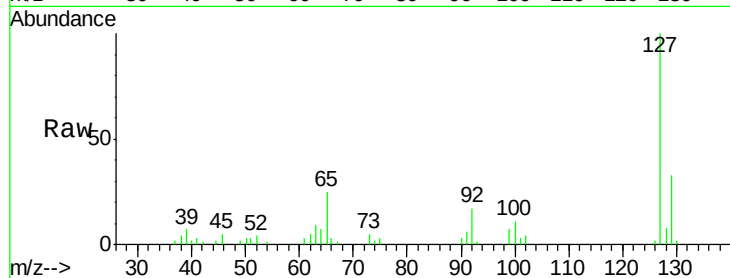




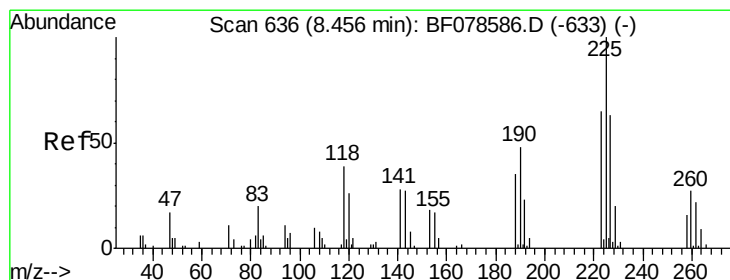
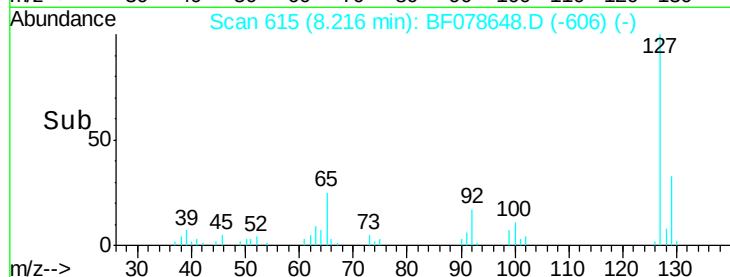
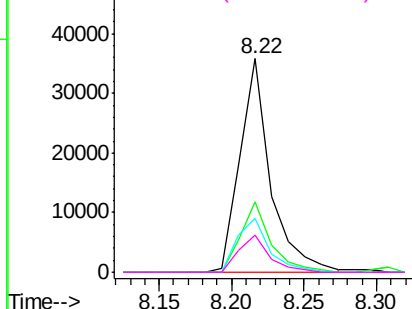
#33
4-Chloroaniline
Concen: 15.89 ng
RT: 8.22 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Instrument :
BNA_F
ClientSampleId :
PB82874BS

Tgt Ion:	127	Resp:	52345
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	25.1	21.7	32.5
92	17.3	14.6	21.8

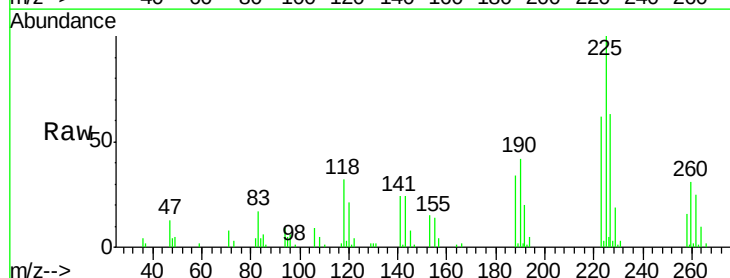


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

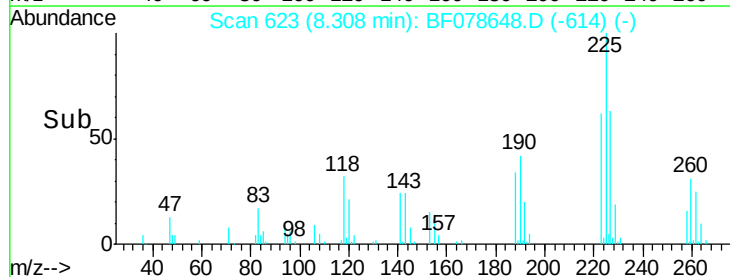
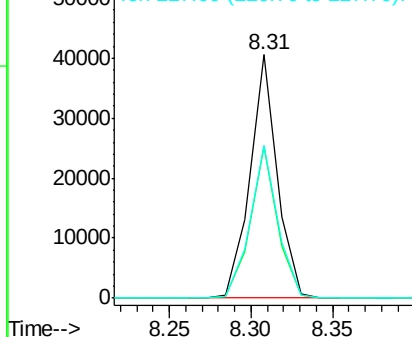


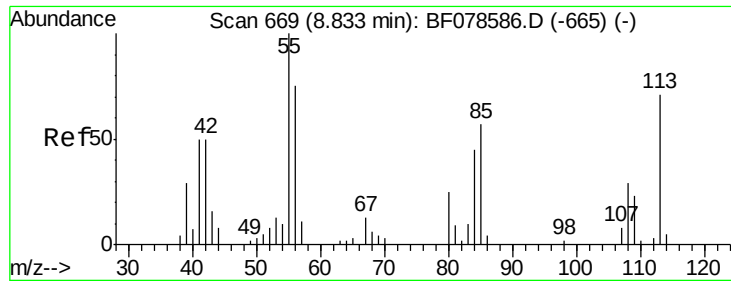
#34
Hexachlorobutadiene
Concen: 35.19 ng
RT: 8.31 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF078648.D
Acq: 20 Apr 2015 17:07

Tgt Ion:	225	Resp:	46979
Ion	Ratio	Lower	Upper
225	100		
223	62.2	47.5	71.3
227	62.7	50.2	75.2



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

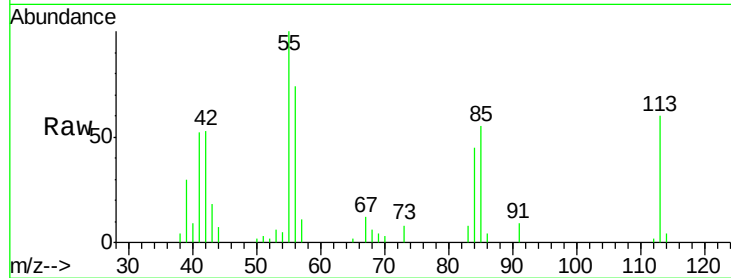




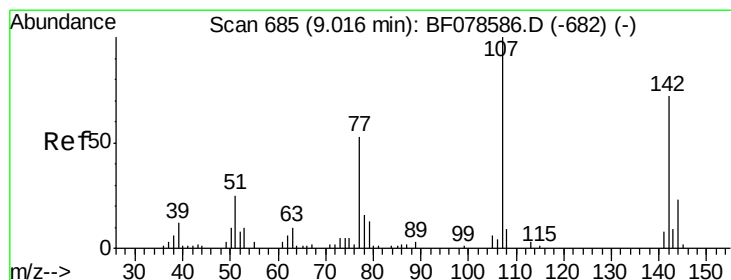
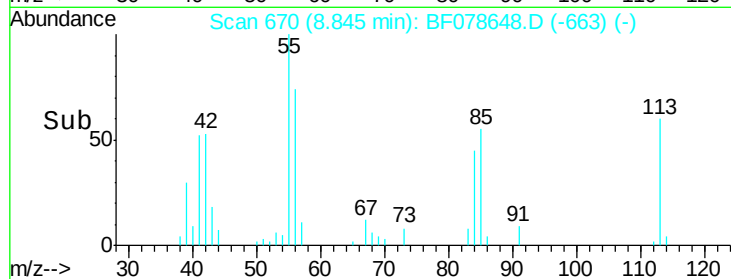
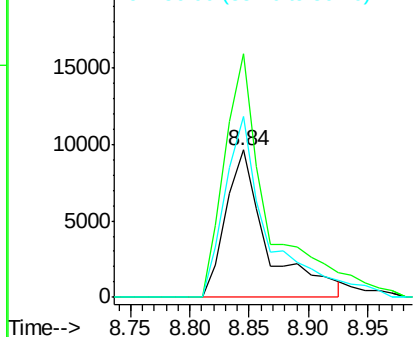
#35
 Caprolactam
 Concen: 37.40 ng
 RT: 8.84 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Instrument :
 BNA_F
 ClientSampled :
 PB82874BS

Tgt Ion:113 Resp: 23672
 Ion Ratio Lower Upper
 113 100
 55 165.4 151.9 191.9
 56 123.2 106.1 146.1

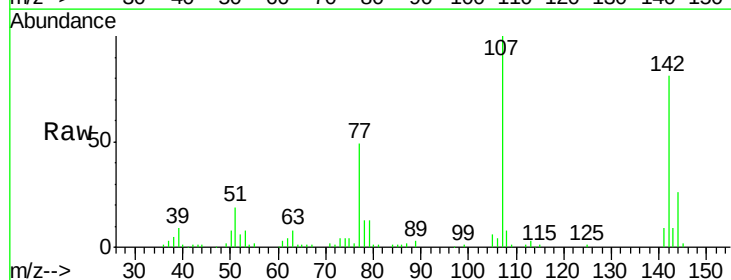


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

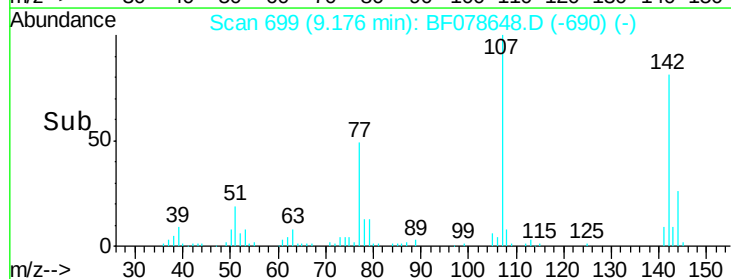
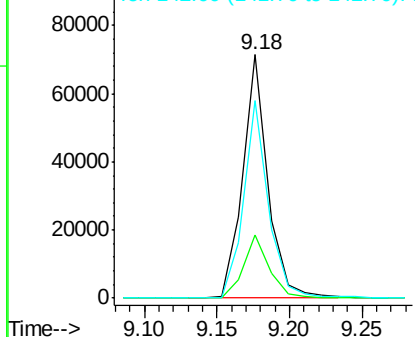


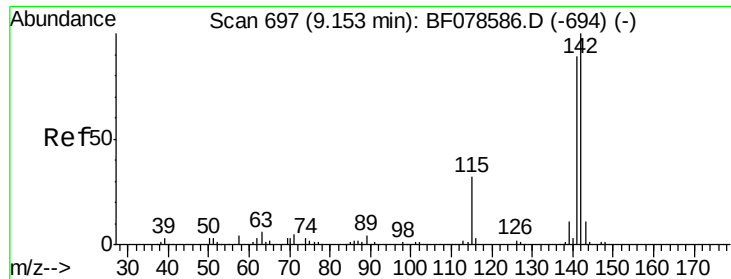
#36
 4-Chloro-3-methylphenol
 Concen: 40.04 ng
 RT: 9.18 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion:107 Resp: 85669
 Ion Ratio Lower Upper
 107 100
 144 25.9 18.2 27.2
 142 81.3 58.0 87.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 34.92 ng

RT: 9.31 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

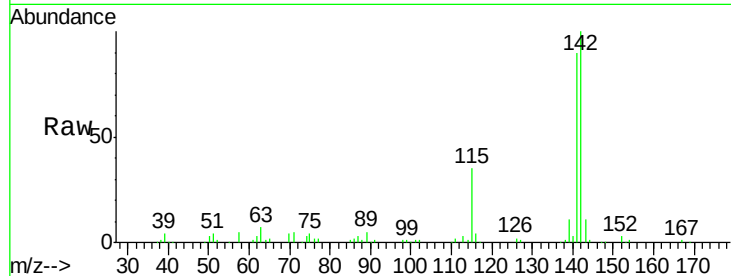
Tgt Ion:142 Resp: 188189

Ion Ratio Lower Upper

142 100

141 89.8 70.3 105.5

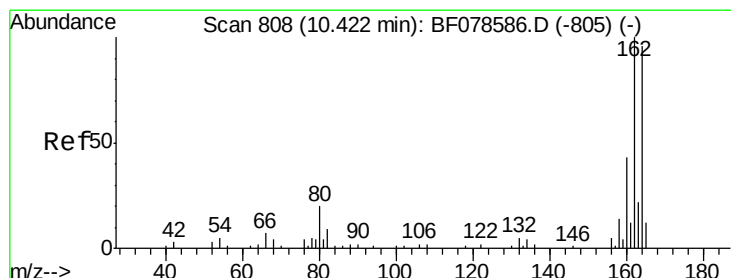
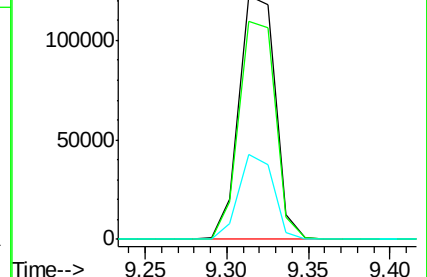
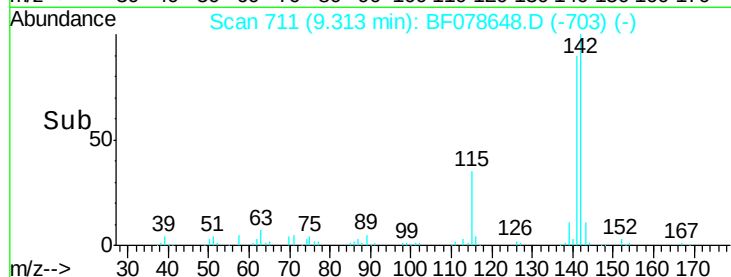
115 34.7 24.6 37.0



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: 11.21 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

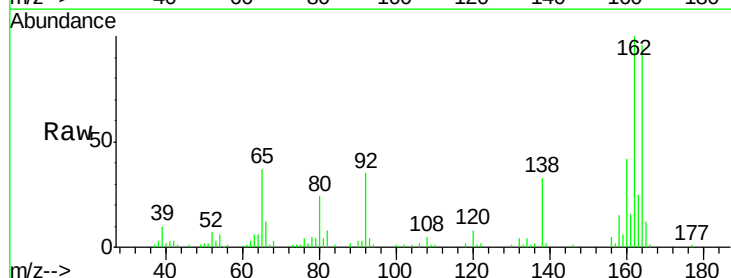
Tgt Ion:164 Resp: 78078

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.2

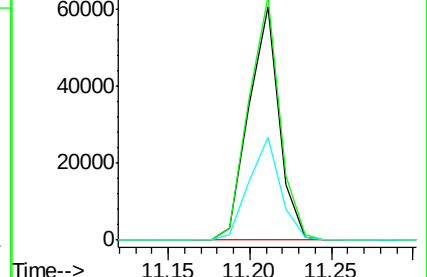
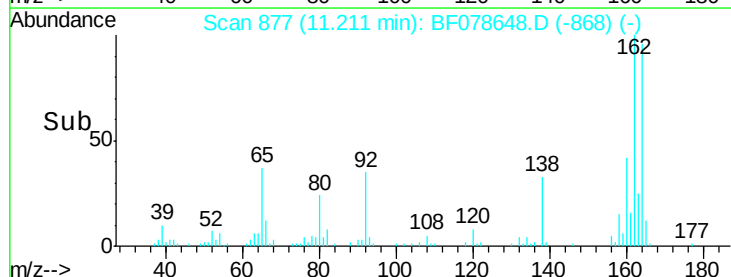
160 43.8 34.7 52.1

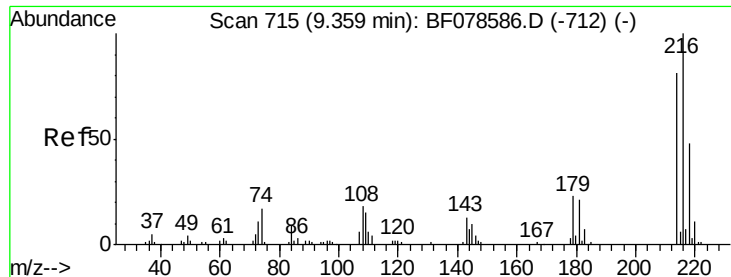


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

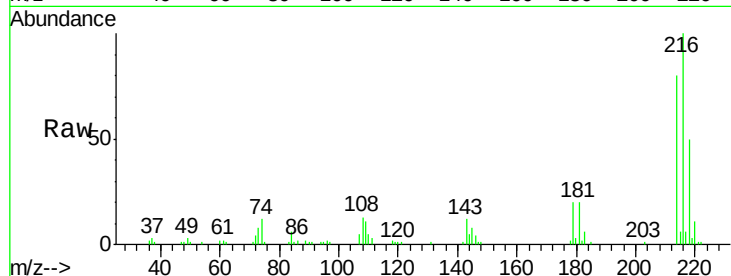




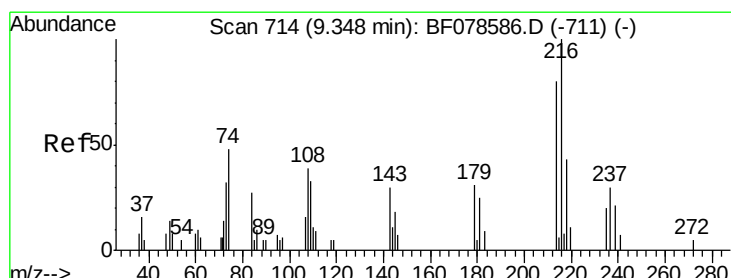
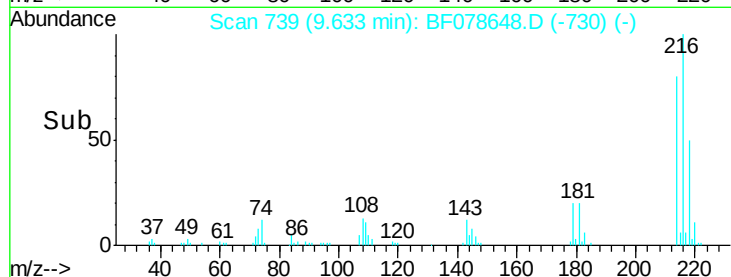
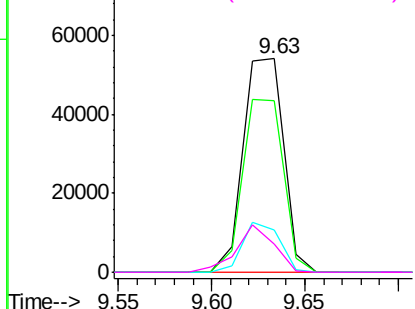
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.73 ng
 RT: 9.63 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

Tgt Ion:	216	Resp:	81607
Ion	Ratio	Lower	Upper
216	100		
214	81.0	62.0	93.0
179	21.9	17.3	25.9
108	20.8	14.6	21.8

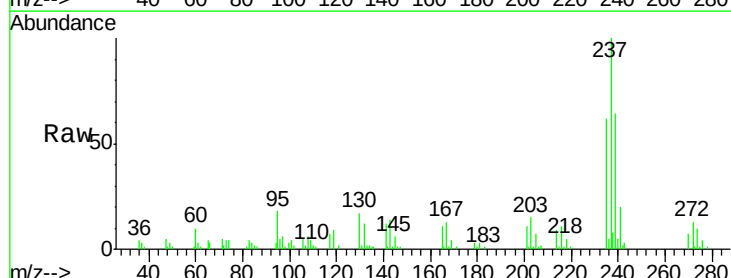


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

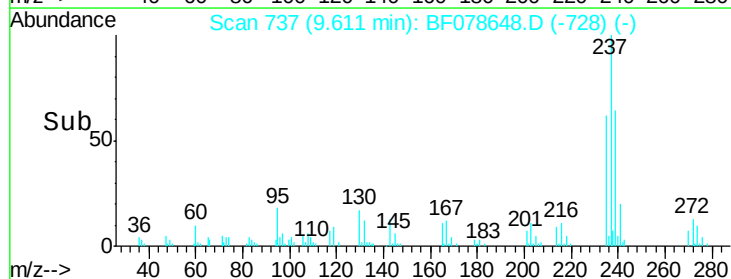
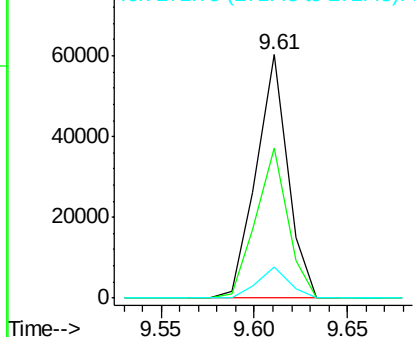


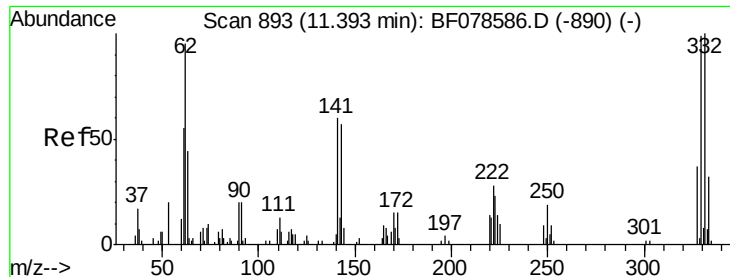
#40
 Hexachlorocyclopentadiene
 Concen: 68.76 ng
 RT: 9.61 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion:	237	Resp:	70524
Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.1	84.1
272	12.6	0.0	34.4



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

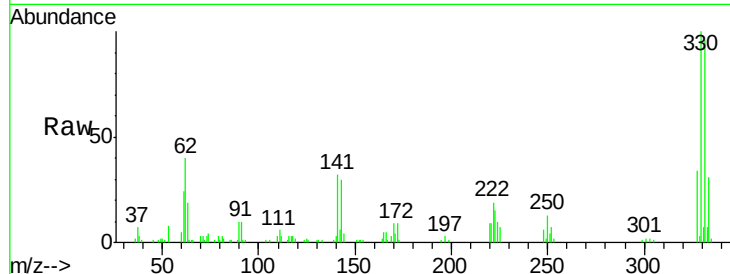




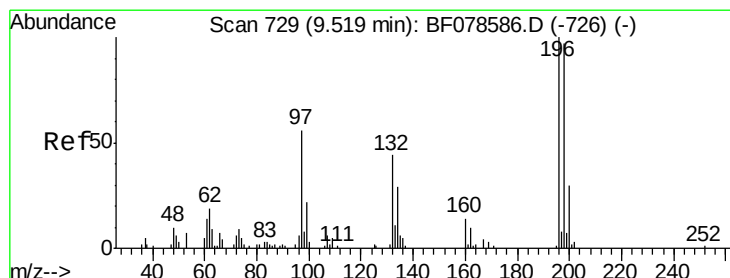
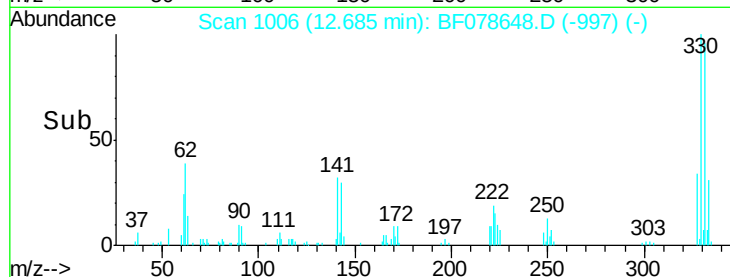
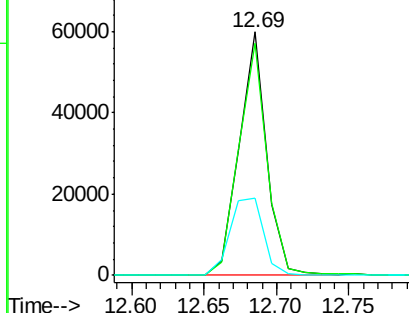
#41
 2,4,6-Tribromophenol
 Concen: 121.05 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

Tgt Ion:330 Resp: 78389
 Ion Ratio Lower Upper
 330 100
 332 98.3 78.6 117.8
 141 39.0 31.2 46.8

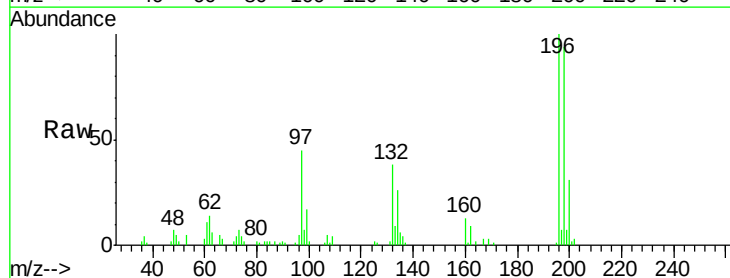


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

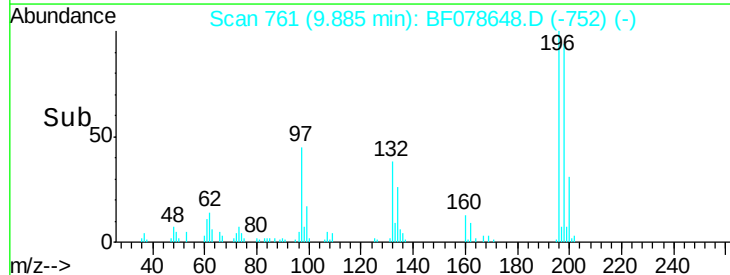
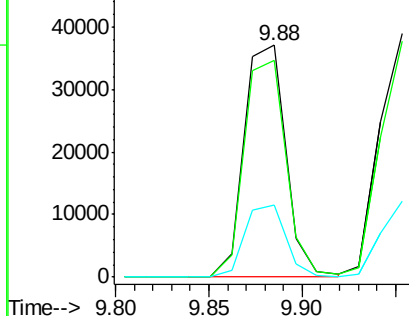


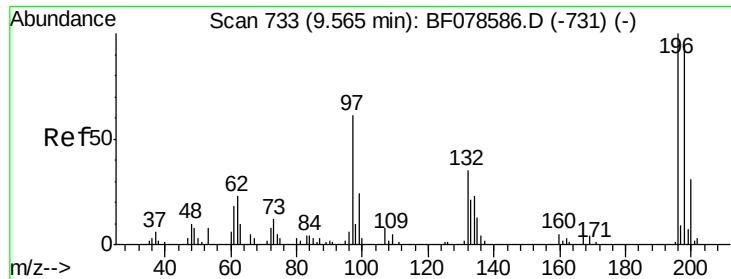
#42
 2,4,6-Trichlorophenol
 Concen: 37.56 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion:196 Resp: 57311
 Ion Ratio Lower Upper
 196 100
 198 93.5 75.4 113.2
 200 31.0 24.0 36.0



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

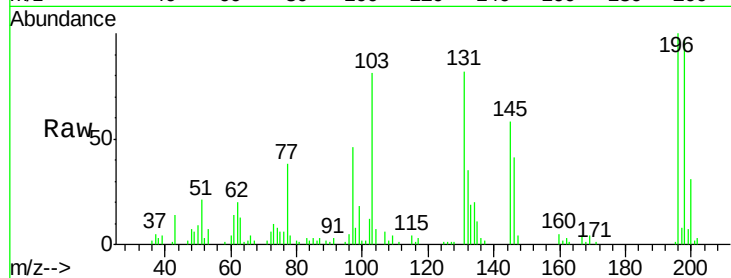




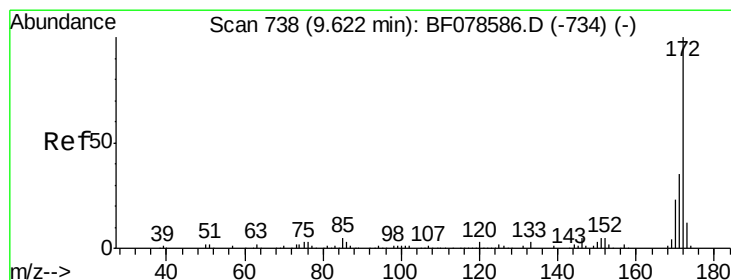
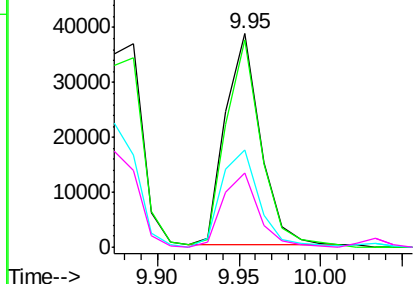
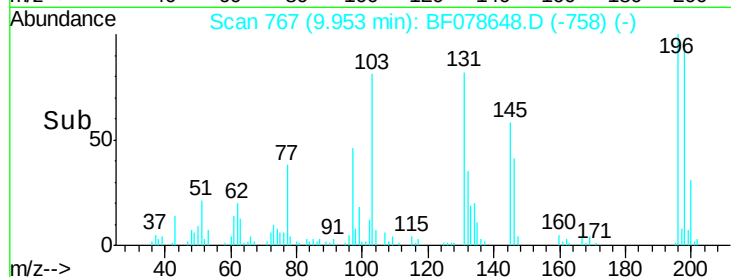
#43
 2,4,5-Trichlorophenol
 Concen: 35.94 ng
 RT: 9.95 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

Tgt Ion:196 Resp: 57283
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.6 115.0
 97 45.7 50.6 75.8#
 132 34.6 27.7 41.5

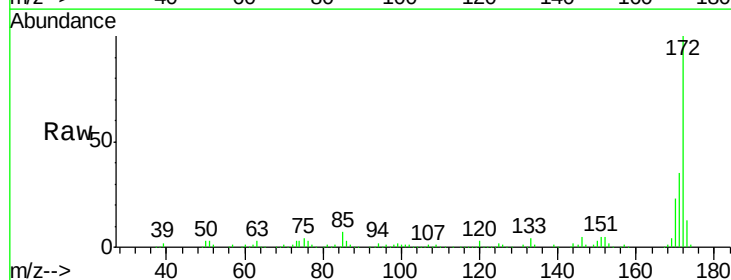


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

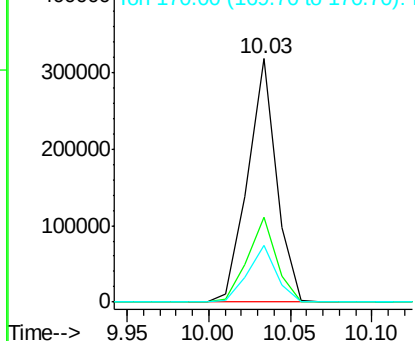
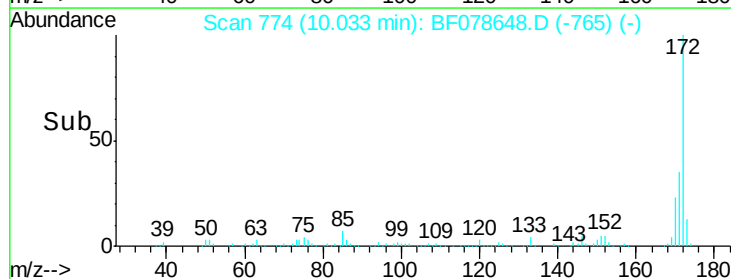


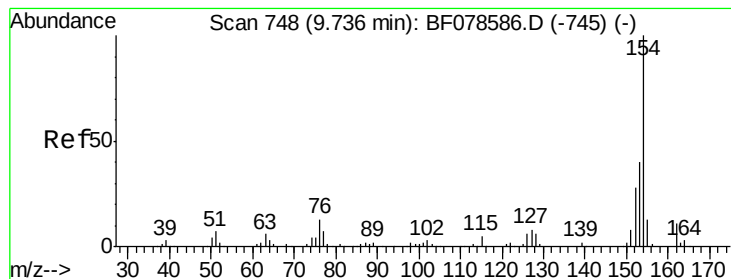
#44
 2-Fluorobiphenyl
 Concen: 71.30 ng
 RT: 10.03 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion:172 Resp: 389430
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.3 18.5 27.7



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: 35.80 ng

RT: 10.19 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

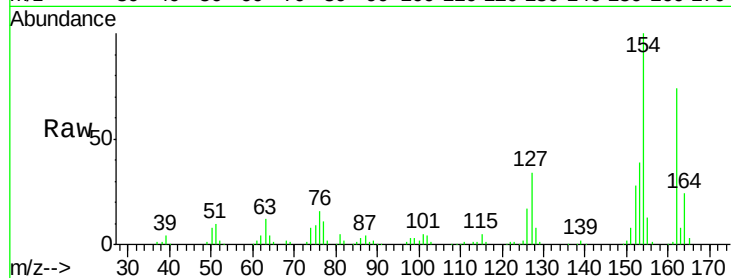
Tgt Ion:154 Resp: 228639

Ion Ratio Lower Upper

154 100

153 39.0 20.0 60.0

76 15.5 0.0 30.6

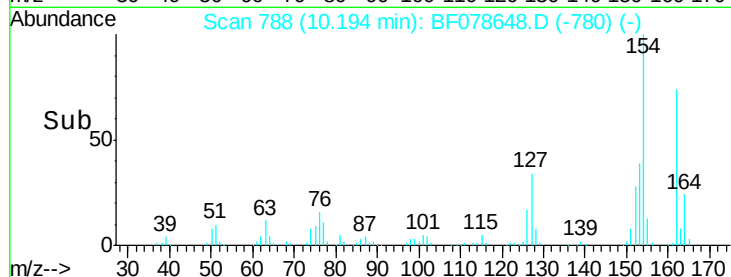


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E

Time--> 10.10 10.15 10.20 10.25

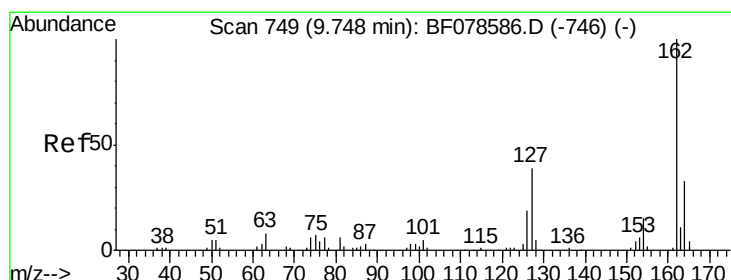


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

Time--> 10.10 10.15 10.20 10.25



#46

2-Chloronaphthalene

Concen: 35.24 ng

RT: 10.19 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

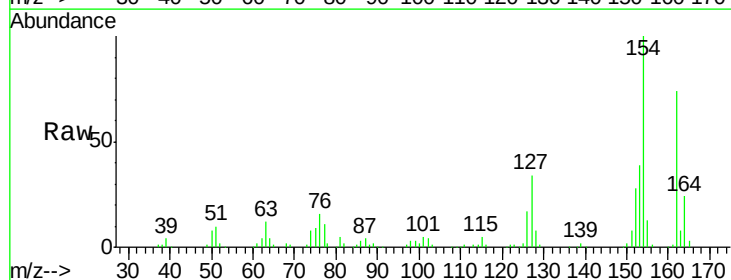
Tgt Ion:162 Resp: 177067

Ion Ratio Lower Upper

162 100

127 45.4 32.6 49.0

164 32.1 26.0 39.0

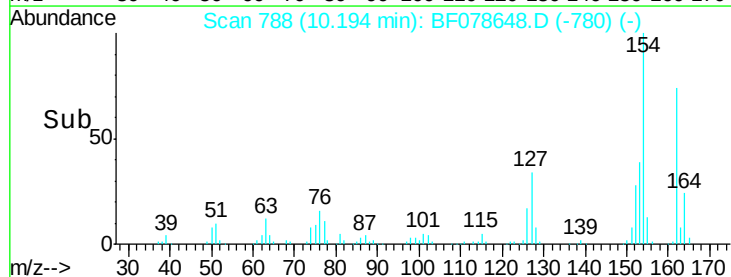


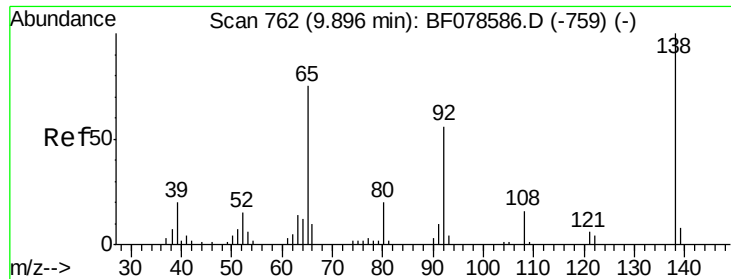
Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

Time--> 10.10 10.15 10.20 10.25

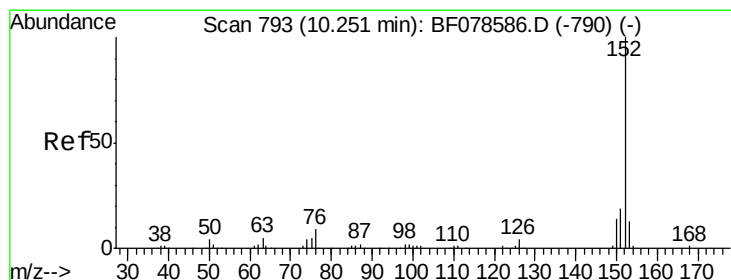
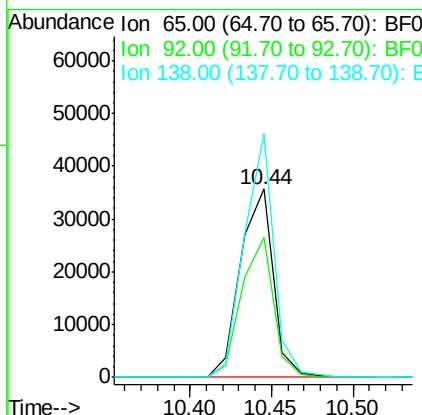
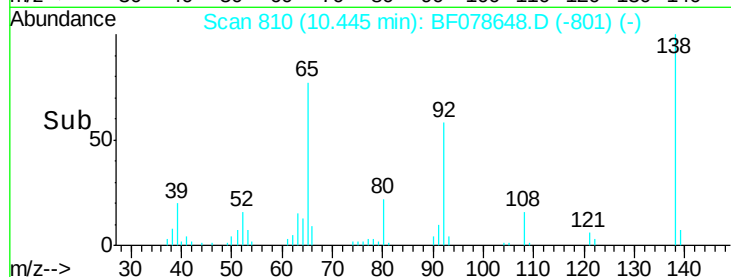
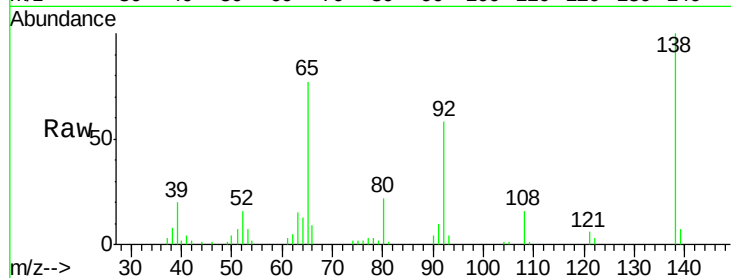




#47
 2-Nitroaniline
 Concen: 39.79 ng
 RT: 10.44 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

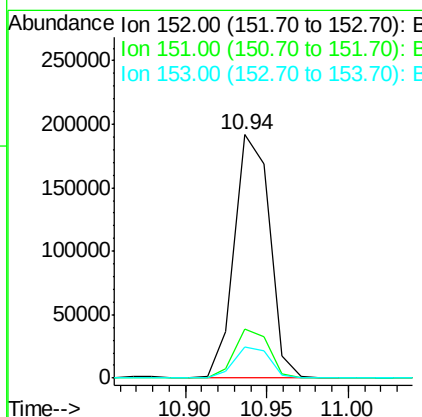
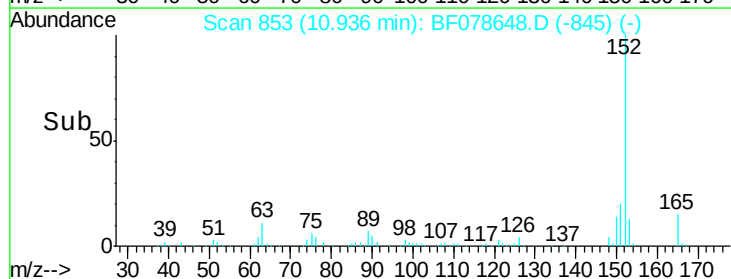
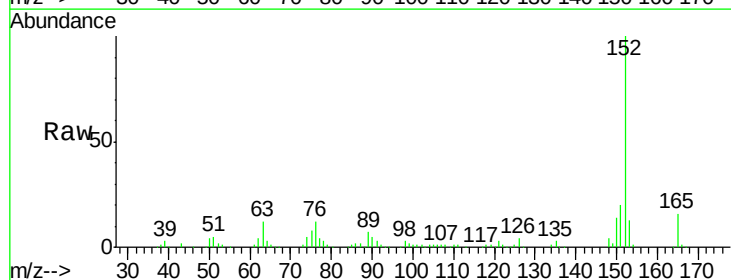
Instrument :
 BNA_F
 ClientSampleId :
 PB82874BS

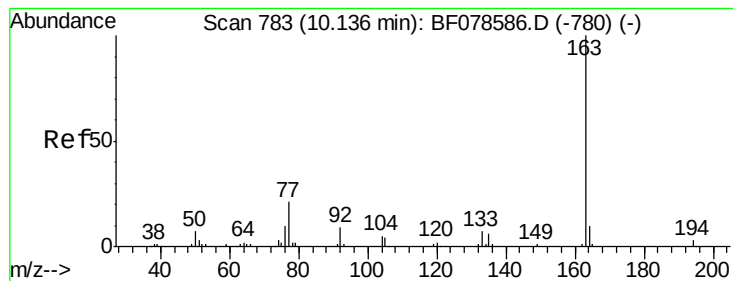
Tgt Ion: 65 Resp: 49465
 Ion Ratio Lower Upper
 65 100
 92 74.4 51.3 76.9
 138 129.4 70.4 105.6#



#48
 Acenaphthylene
 Concen: 35.30 ng
 RT: 10.94 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BF078648.D
 Acq: 20 Apr 2015 17:07

Tgt Ion: 152 Resp: 286437
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5
 153 13.0 10.2 15.2





#49

Dimethylphthalate

Concen: 37.05 ng

RT: 10.84 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

Instrument :

BNA_F

ClientSampleId :

PB82874BS

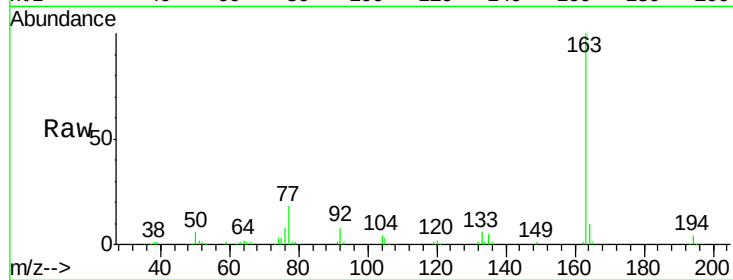
Tgt Ion:163 Resp: 217327

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

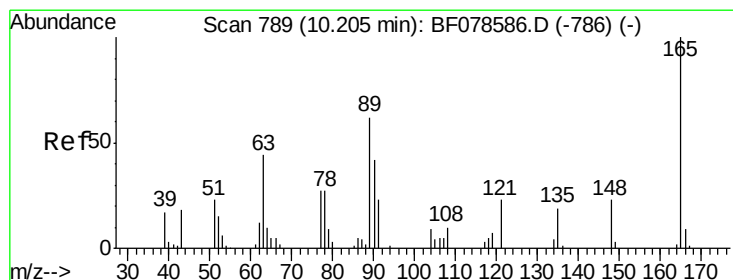
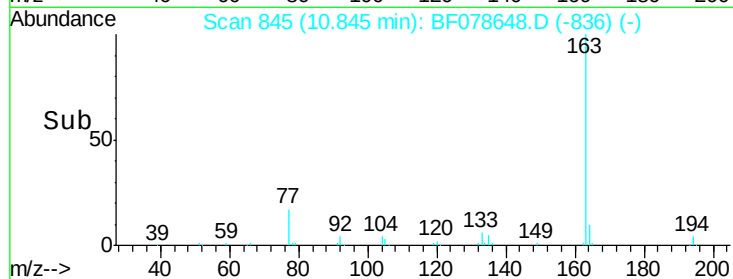
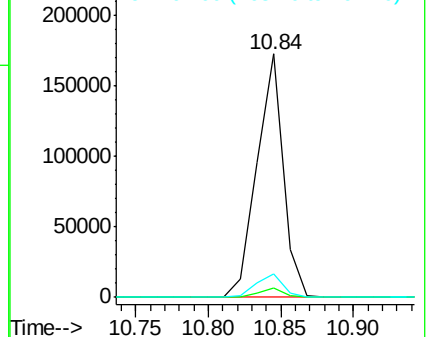
164 9.9 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 37.90 ng

RT: 10.94 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF078648.D

Acq: 20 Apr 2015 17:07

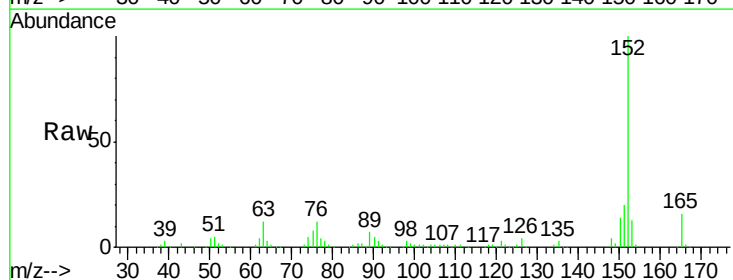
Tgt Ion:165 Resp: 45739

Ion Ratio Lower Upper

165 100

63 78.2 24.1 36.1#

89 44.9 28.9 43.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

