

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082302.D
 Acq On : 15 Oct 2015 11:50
 Operator : UM/IZ
 Sample : G4015-05MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

Quant Time: Oct 16 01:07:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	79380	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	306838	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	149933	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	257335	20.00	ng	0.00
75) Chrysene-d12	14.13	240	150902	20.00	ng	0.03
86) Perylene-d12	15.74	264	137346	20.00	ng	0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	78183	19.88	ng	0.01
7) Phenol-d6	6.47	99	432823	84.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	488979	107.02	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	5513	3.92	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1020160	112.84	ng	0.00
78) Terphenyl-d14	12.98	244	701747	123.23	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.41	88	70276	35.56	ng	99
3) Pyridine	3.12	79	201838	43.91	ng	99
4) n-Nitrosodimethylamine	3.09	42	83899	43.04	ng	100
6) Aniline	6.48	93	141188	21.40	ng	# 1
8) 2-Chlorophenol	6.61	128	51057	10.63	ng	84
9) Benzaldehyde	6.38	77	101281	38.75	ng	87
10) Phenol	6.48	94	173418	29.39	ng	87
11) bis(2-Chloroethyl)ether	6.56	93	215545	43.19	ng	95
12) 1,3-Dichlorobenzene	6.77	146	265008	47.39	ng	97
13) 1,4-Dichlorobenzene	6.85	146	270008	46.24	ng	97
14) 1,2-Dichlorobenzene	6.99	146	239299	43.16	ng	98
15) Benzyl Alcohol	6.97	79	177312	50.18	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.11	45	312820	45.01	ng	94
17) 2-Methylphenol	7.10	107	148433	39.09	ng	96
18) Hexachloroethane	7.34	117	93524	46.79	ng	93
19) n-Nitroso-di-n-propylamine	7.25	70	151490	42.15	ng	# 86
20) 3+4-Methylphenols	7.26	107	157487	34.81	ng	# 62
22) Acetophenone	7.25	105	319153	52.58	ng	# 86
24) Nitrobenzene	7.42	77	232942	47.10	ng	96
25) Isophorone	7.66	82	462436	50.15	ng	96
26) 2-Nitrophenol	7.74	139	6829	2.77	ng	95
27) 2,4-Dimethylphenol	7.77	122	133156	33.47	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	264222	49.24	ng	100
29) 2,4-Dichlorophenol	7.98	162	22894	5.76	ng	92
30) 1,2,4-Trichlorobenzene	8.06	180	225837	49.26	ng	99
31) Naphthalene	8.14	128	642381	48.30	ng	100
32) Benzoic acid	7.77	122	133156	49.87	ng	# 16
33) 4-Chloroaniline	8.19	127	152448	27.60	ng	97
34) Hexachlorobutadiene	8.25	225	141140	49.41	ng	97
35) Caprolactam	8.54	113	55471	48.06	ng	# 80
36) 4-Chloro-3-methylphenol	8.69	107	106320	27.34	ng	93
37) 2-Methylnaphthalene	8.83	142	480647	52.13	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	209758	47.04	ng	99
40) Hexachlorocyclopentadiene	8.98	237	129414	59.70	ng	99

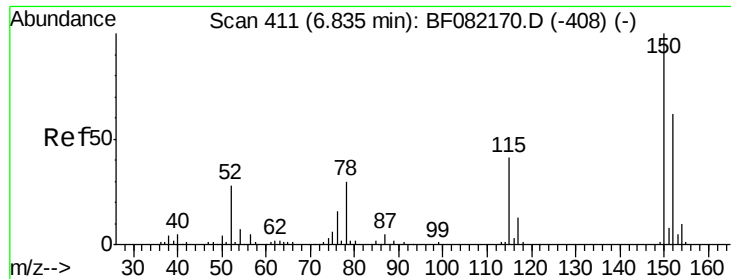
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.17	196	6641	2.07	nq	# 86
45) 1,1'-Biphenyl	9.30	154	541229	47.34	nq	95
46) 2-Chloronaphthalene	9.33	162	464113	51.57	nq	98
47) 2-Nitroaniline	9.43	65	136346	55.18	nq	# 71
48) Acenaphthylene	9.74	152	650113	46.37	nq	100
49) Dimethylphthalate	9.60	163	622908	59.00	nq	100
50) 2,6-Dinitrotoluene	9.67	165	113574	50.98	nq	88
51) Acenaphthene	9.91	154	379541	45.09	nq	99
52) 3-Nitroaniline	9.84	138	106245	42.22	nq	96
54) Dibenzofuran	10.08	168	587844	50.87	nq	97
55) 4-Nitrophenol	10.08	139	229621	113.00	nq	# 13
56) 2,4-Dinitrotoluene	10.07	165	138054	49.58	nq	99
57) Fluorene	10.42	166	441343	46.50	nq	99
59) Diethylphthalate	10.30	149	502486	51.06	nq	100
60) 4-Chlorophenyl-phenylether	10.42	204	226692	52.14	nq	# 83
61) 4-Nitroaniline	10.46	138	116393	47.69	nq	94
62) Azobenzene	10.58	77	478935	49.72	nq	83
65) n-Nitrosodiphenylamine	10.54	169	401892	52.16	nq	100
66) 4-Bromophenyl-phenylether	10.91	248	139684	54.24	nq	# 83
67) Hexachlorobenzene	10.97	284	139328	50.02	nq	# 76
68) Atrazine	11.07	200	157935	64.70	nq	97
70) Phenanthrene	11.39	178	685129	54.32	nq	99
71) Anthracene	11.44	178	635042	48.86	nq	99
72) Carbazole	11.60	167	549888	46.38	nq	99
73) Di-n-butylphthalate	11.93	149	687657	47.01	nq	100
74) Fluoranthene	12.59	202	561471	41.44	nq	99
76) Benzidine	12.73	184	124621	28.50	nq	# 89
77) Pvrene	12.84	202	523343	58.44	nq	98
79) Butylbenzylphthalate	13.49	149	229004	56.03	nq	98
80) Benzo(a)anthracene	14.12	228	420550	53.56	nq	99
81) 3,3'-Dichlorobenzidine	14.08	252	93463	31.36	nq	# 96
82) Chrysene	14.15	228	383251	46.33	nq	99
83) Bis(2-ethylhexyl)phthalate	14.10	149	280751	48.15	nq	99
84) Di-n-octyl phthalate	14.82	149	463757	46.31	nq	# 51
85) Indeno(1,2,3-cd)pvrene	17.25	276	468433	71.24	nq	97
87) Benzo(b)fluoranthene	15.34	252	753216	90.14	nq	# 86
88) Benzo(k)fluoranthene	15.34	252	753216	107.24	nq	# 85
89) Benzo(a)pyrene	15.68	252	365355	50.88	nq	# 82
90) Dibenzo(a,h)anthracene	17.25	278	393361	66.84	nq	# 93
91) Benzo(g,h,i)perylene	17.68	276	392508	68.66	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082302.D

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Instrument :

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ClientSampleId :

LF-1MSD

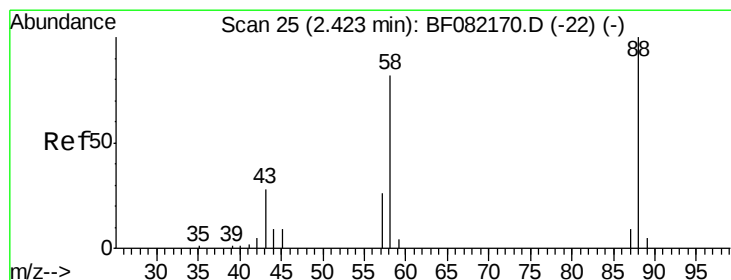
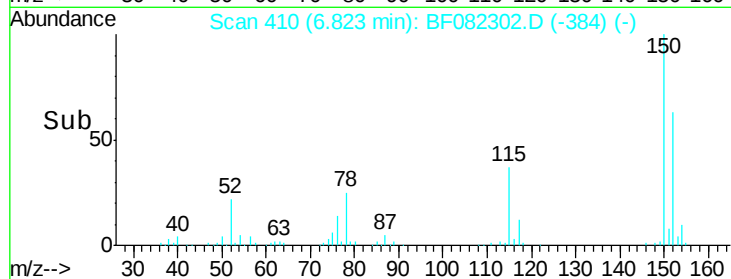
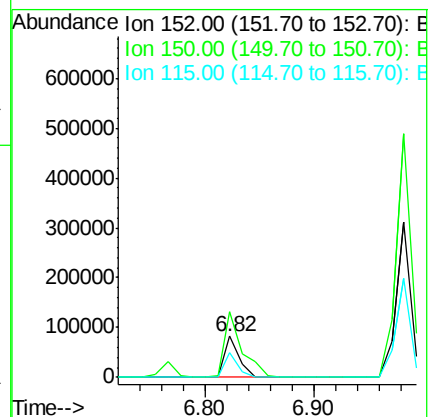
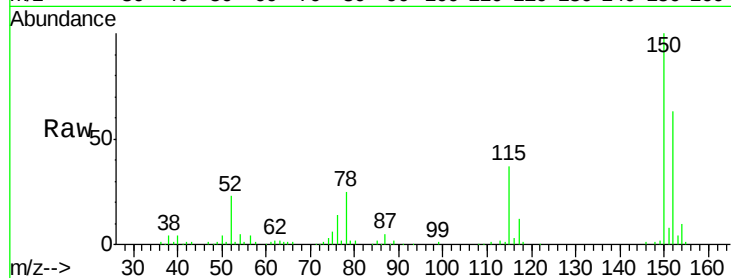
Tot Ion:152 Resp: 79380

Ion Ratio Lower Upper

152 100

150 159.4 129.0 193.4

115 59.4 52.1 78.1



#2

1,4-Dioxane

Concen: 35.56 ng

RT: 2.41 min Scan# 24

Delta R.T. 0.05 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

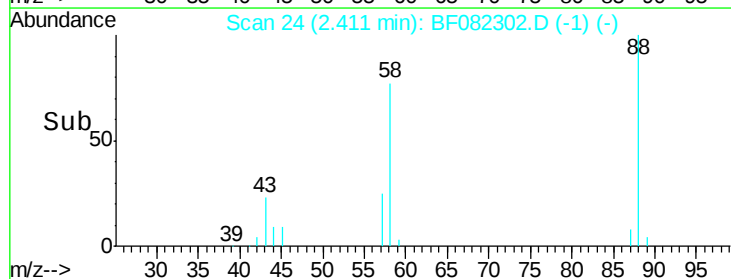
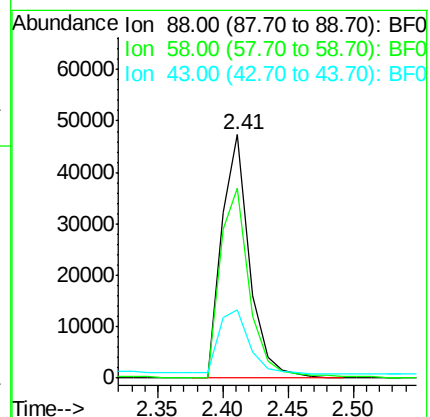
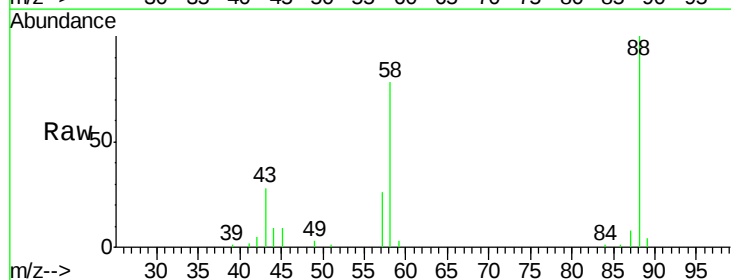
Tgt Ion: 88 Resp: 70276

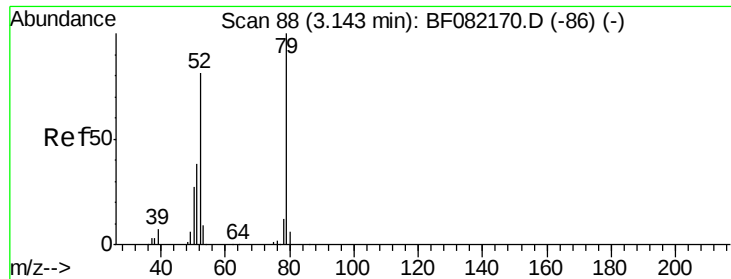
Ion Ratio Lower Upper

88 100

58 83.6 66.2 99.4

43 28.6 23.0 34.4





#3

Pvridine

Concen: 43.91 ng

RT: 3.12 min Scan# 86

Delta R.T. 0.03 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

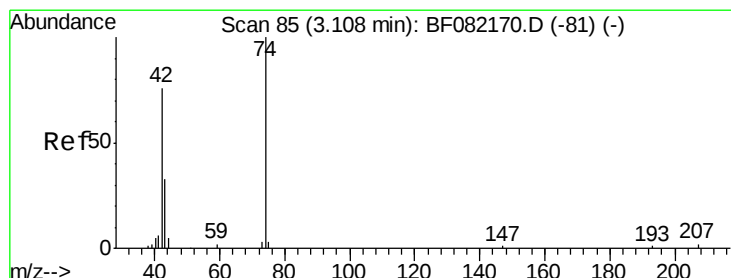
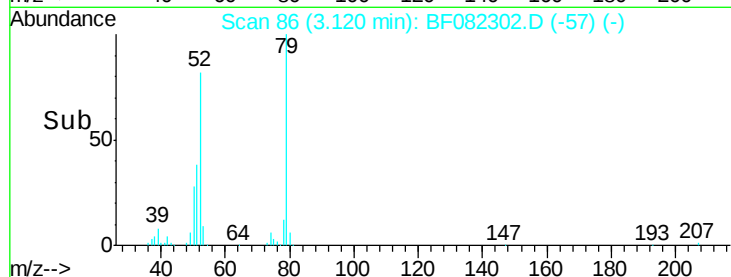
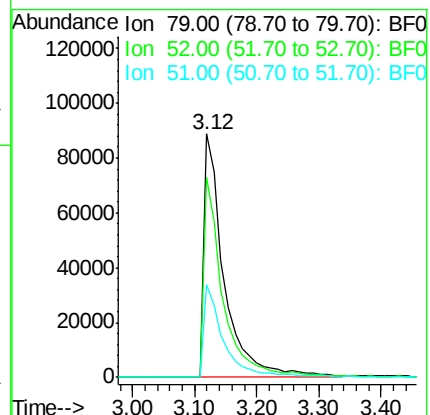
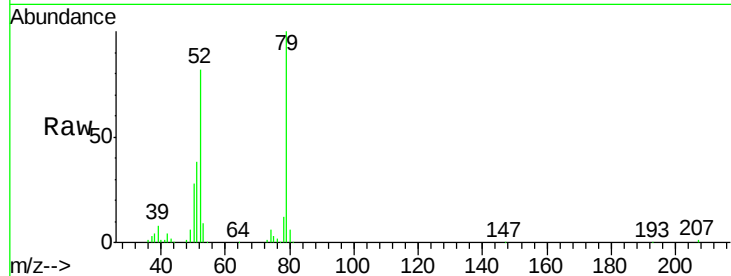
Tot Ion: 79 Resp: 201838

Ion Ratio Lower Upper

79 100

52 82.4 64.4 96.6

51 38.0 30.5 45.7



#4

n-Nitrosodimethylamine

Concen: 43.04 ng

RT: 3.09 min Scan# 83

Delta R.T. 0.03 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

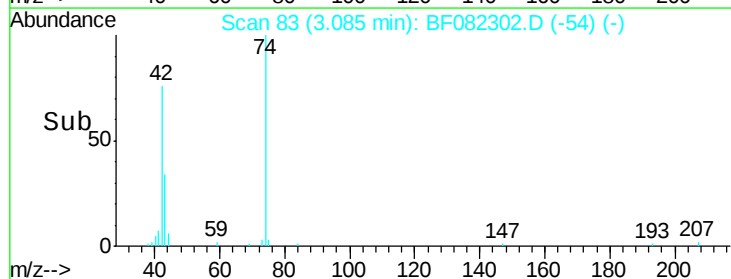
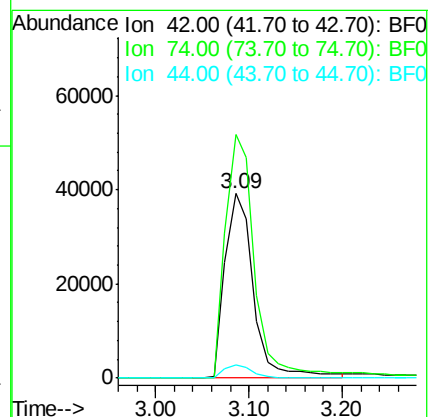
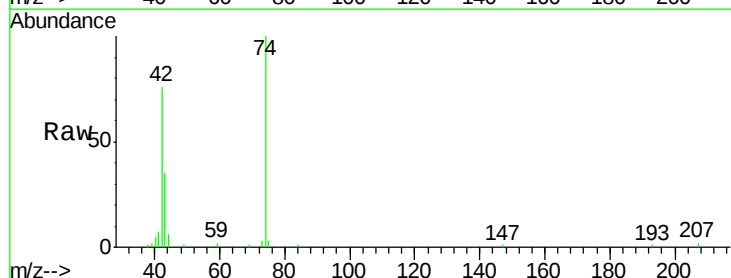
Tgt Ion: 42 Resp: 83899

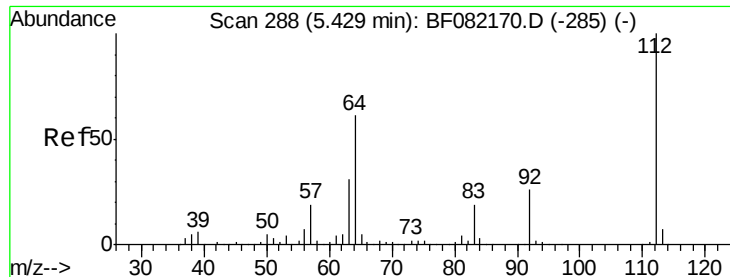
Ion Ratio Lower Upper

42 100

74 132.1 105.7 158.5

44 7.5 5.4 8.2





#5

2-Fluorophenol

Concen: 19.88 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

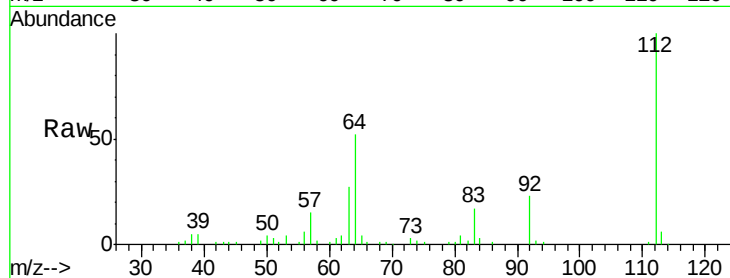
Tot Ion: 112 Resp: 78183

Ion Ratio Lower Upper

112 100

64 52.1 48.6 73.0

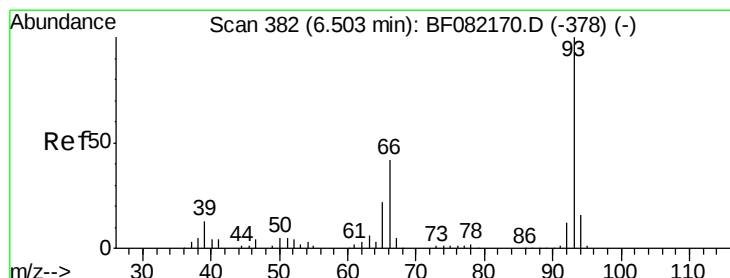
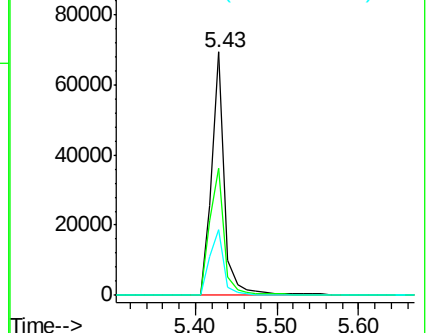
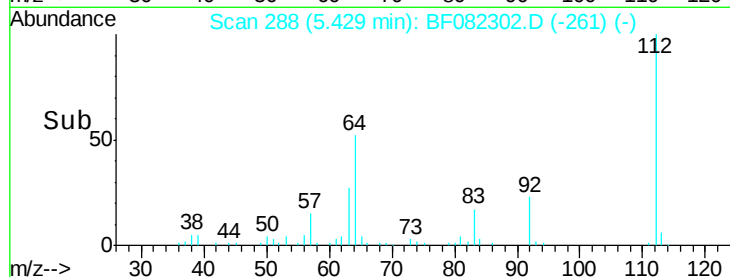
63 27.2 25.1 37.7



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: 21.40 ng

RT: 6.48 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

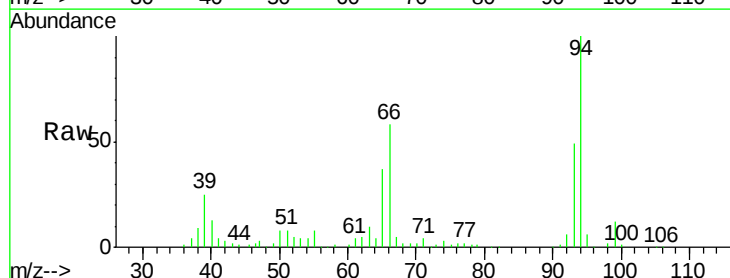
Tgt Ion: 93 Resp: 141188

Ion Ratio Lower Upper

93 100

66 118.2 34.2 51.2#

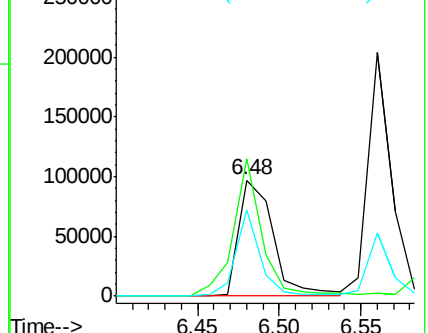
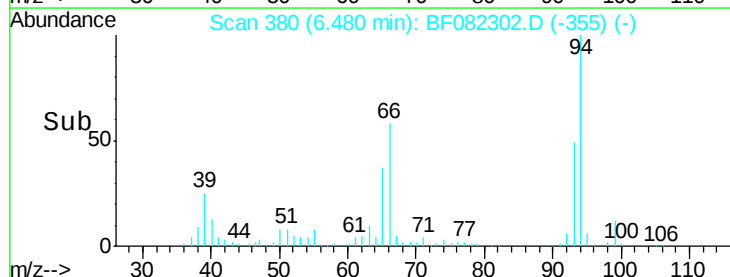
65 74.7 17.9 26.9#

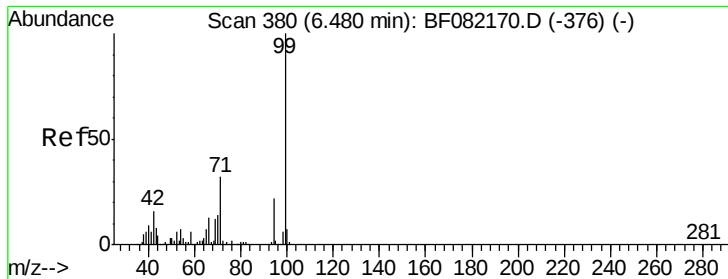


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 84.56 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

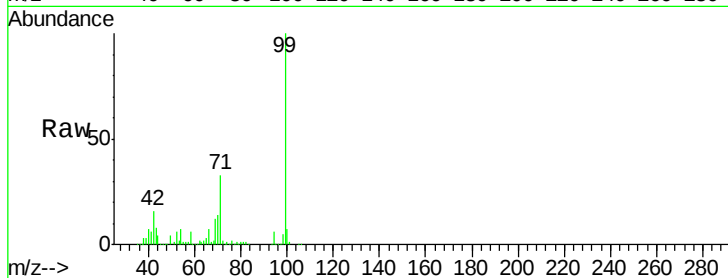
Tot Ion: 99 Resp: 432823

Ion Ratio Lower Upper

99 100

42 16.4 13.2 19.8

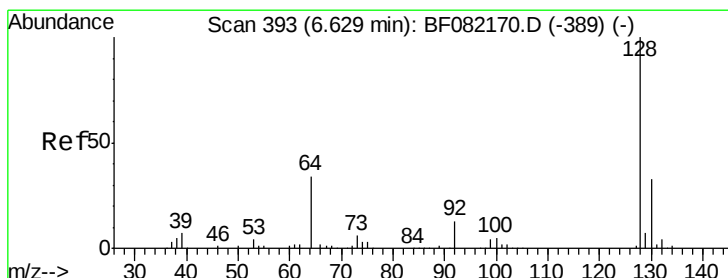
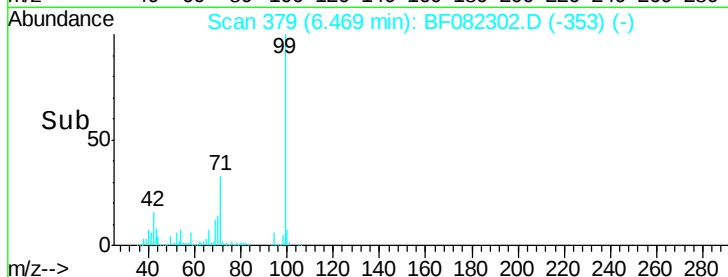
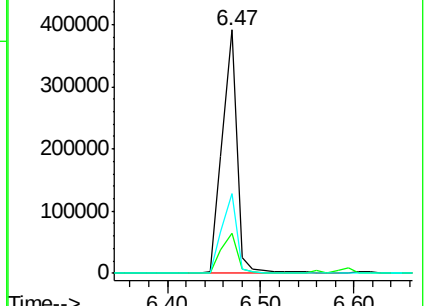
71 32.8 25.6 38.4



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: 10.63 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

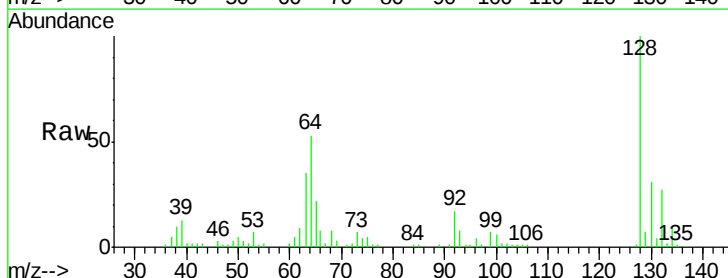
Tgt Ion: 128 Resp: 51057

Ion Ratio Lower Upper

128 100

130 31.3 12.6 52.6

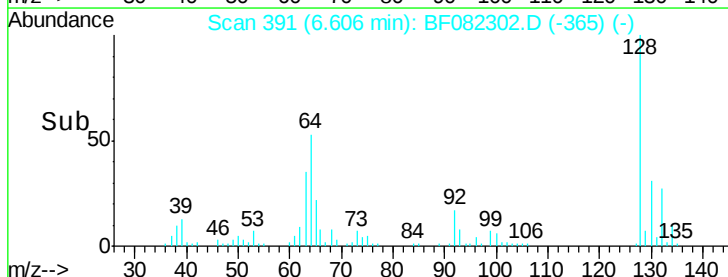
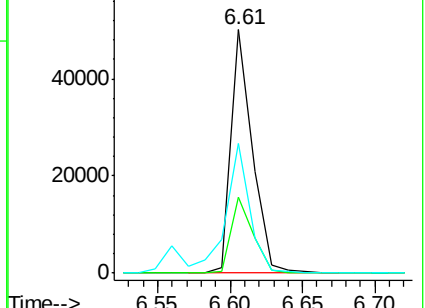
64 53.2 16.7 56.7



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: 38.75 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampled :

LF-1MSD

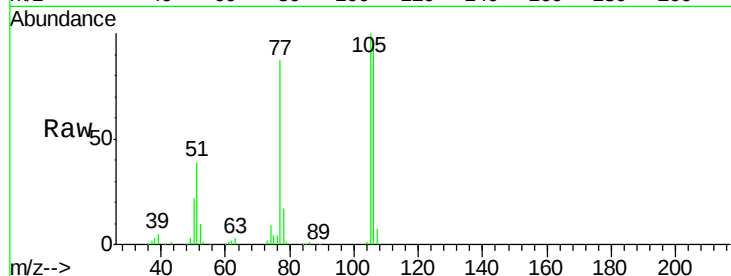
Tot Ion: 77 Resp: 101281

Ion Ratio Lower Upper

77 100

105 114.5 80.6 120.6

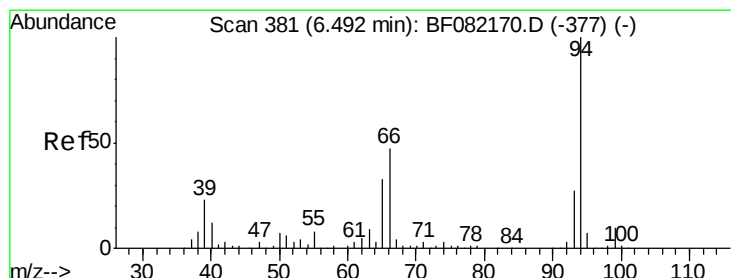
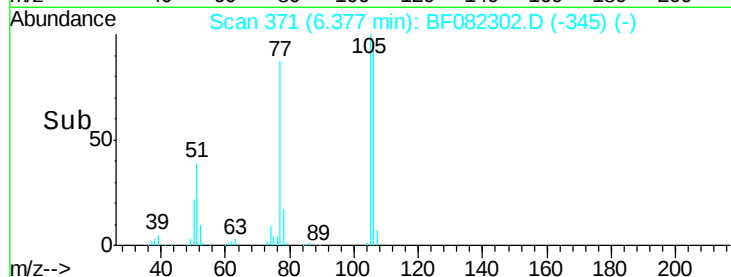
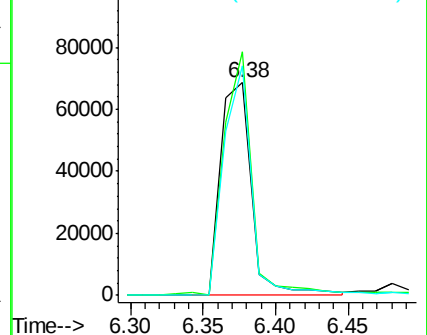
106 107.7 75.5 115.5



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: 29.39 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

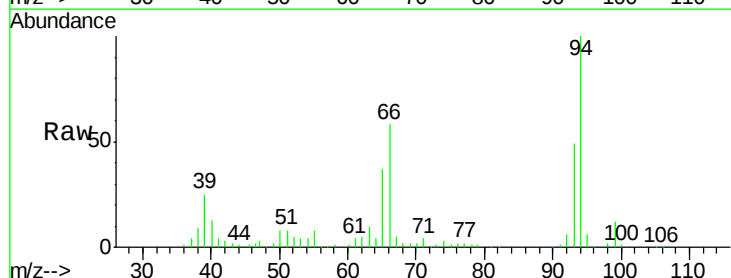
Tgt Ion: 94 Resp: 173418

Ion Ratio Lower Upper

94 100

65 36.9 12.6 52.6

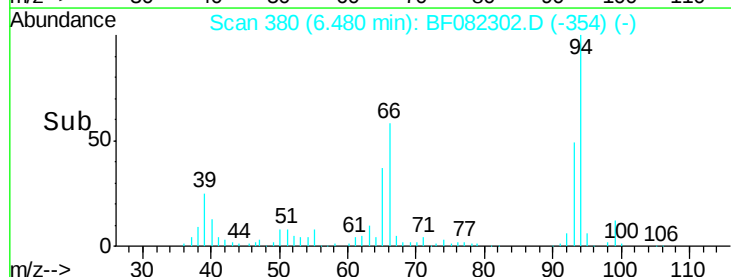
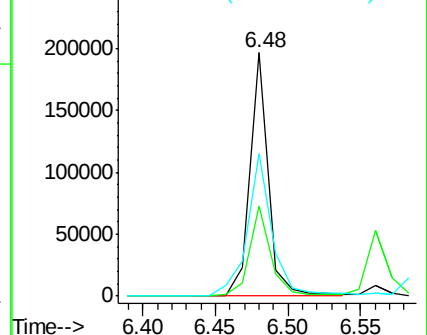
66 58.3 27.3 67.3



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

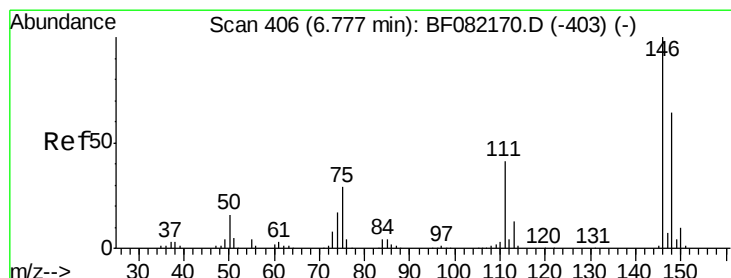
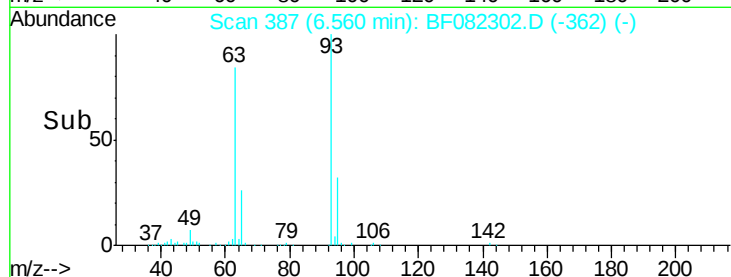
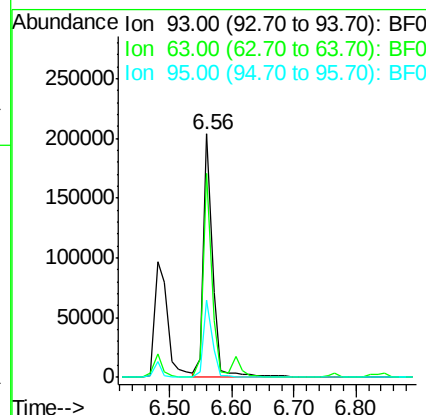
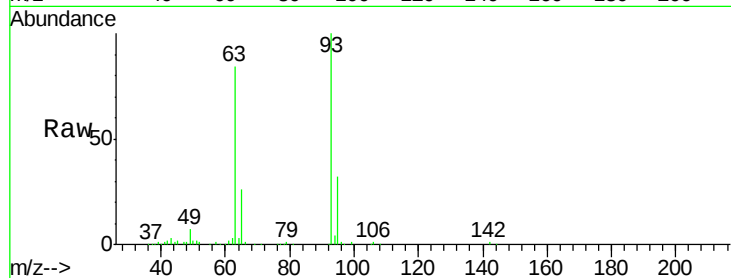




#11
bis(2-Chloroethyl)ether
Concen: 43.19 ng
RT: 6.56 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

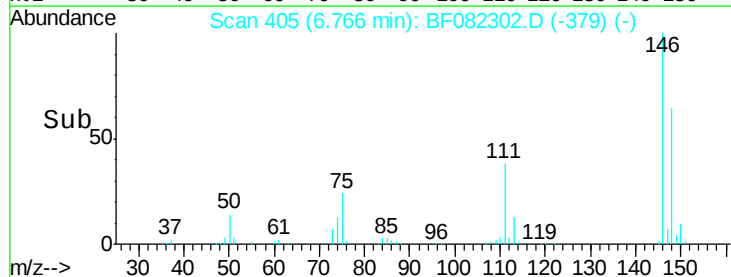
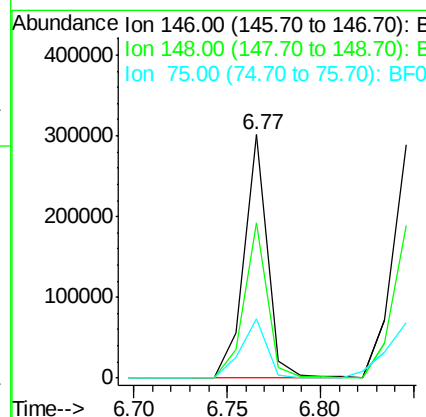
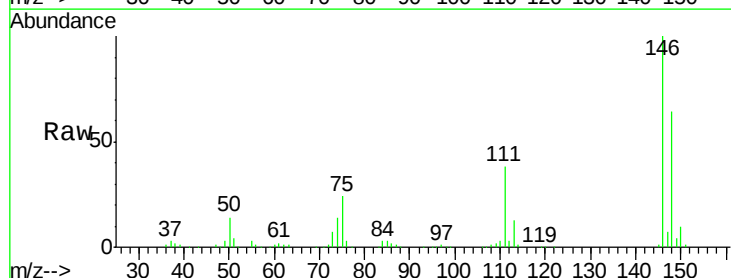
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

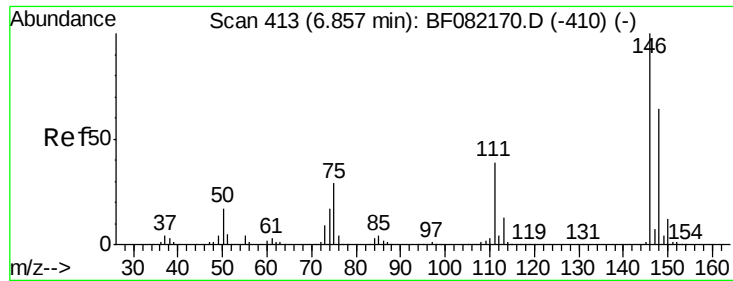
Tot Ion: 93 Resp: 215545
Ion Ratio Lower Upper
93 100
63 83.7 57.1 97.1
95 31.9 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 47.39 ng
RT: 6.77 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion: 146 Resp: 265008
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.2
75 24.3 23.0 34.6

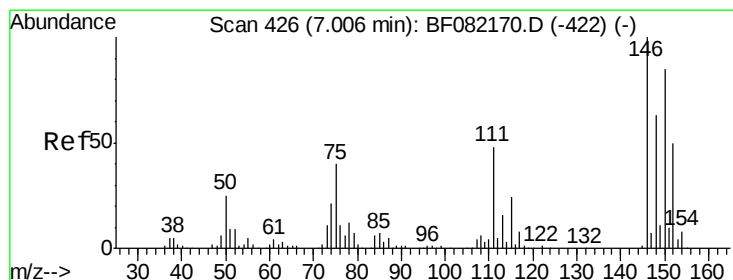
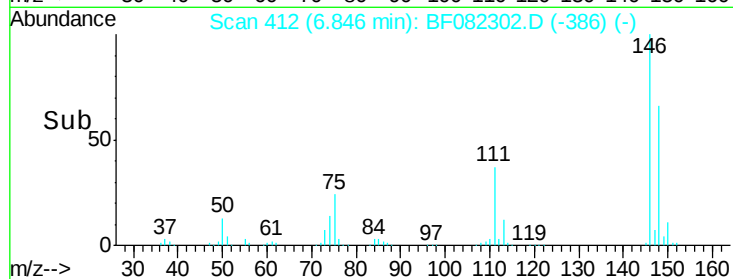
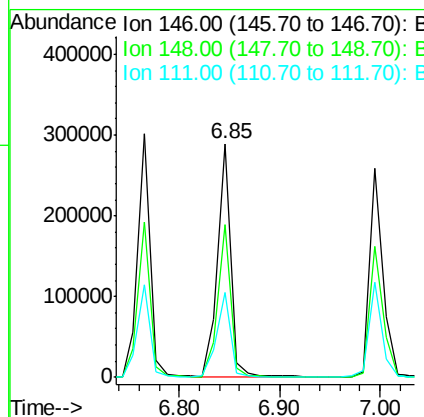
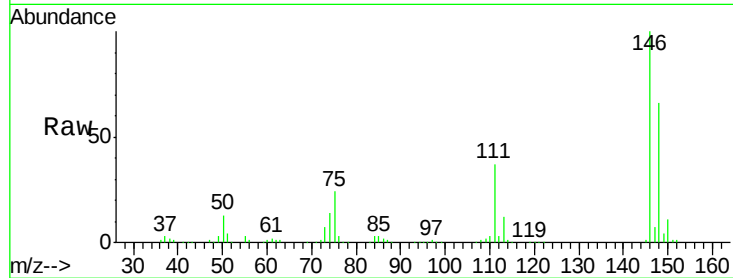




#13
 1,4-Dichlorobenzene
 Concen: 46.24 ng
 RT: 6.85 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

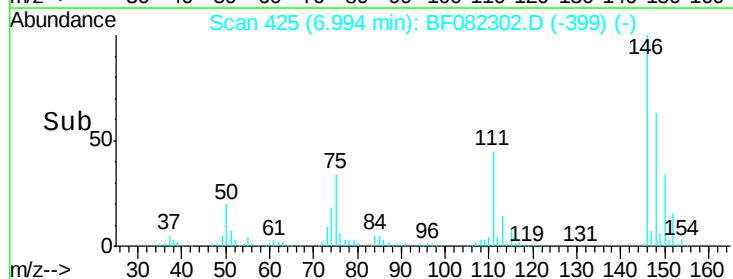
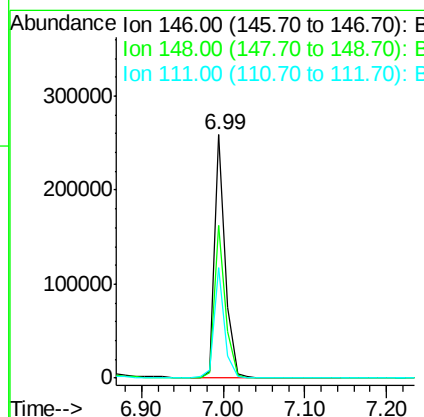
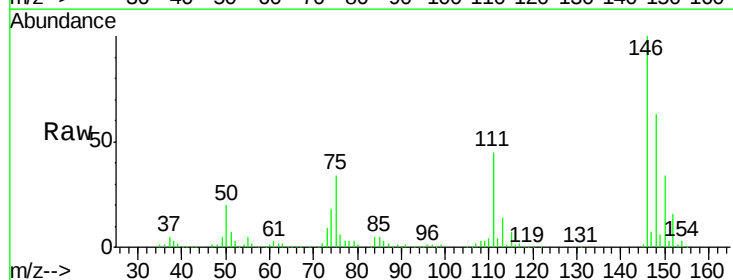
Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

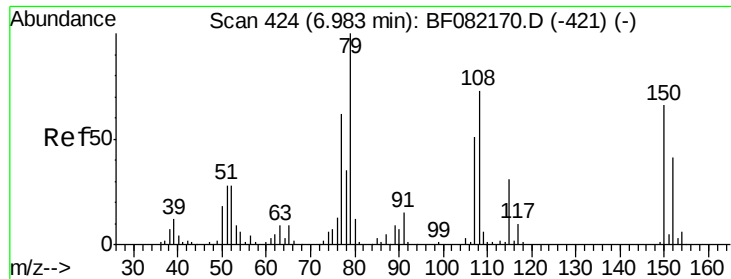
Tot Ion:146 Resp: 270008
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.0 76.4
 111 36.5 31.1 46.7



#14
 1,2-Dichlorobenzene
 Concen: 43.16 ng
 RT: 6.99 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Tgt Ion:146 Resp: 239299
 Ion Ratio Lower Upper
 146 100
 148 62.8 50.5 75.7
 111 45.3 38.5 57.7





#15

Benzyl Alcohol

Concen: 50.18 ng

RT: 6.97 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

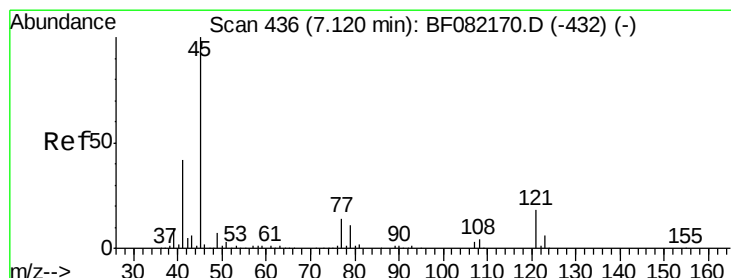
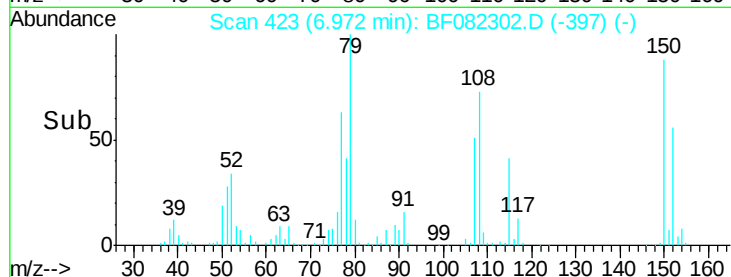
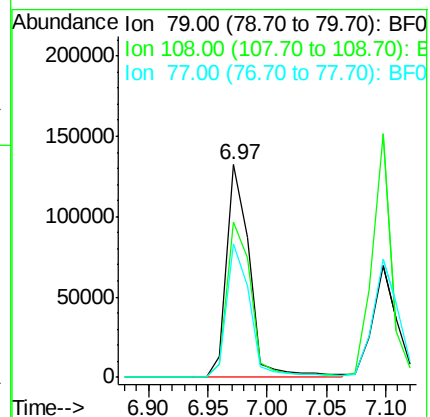
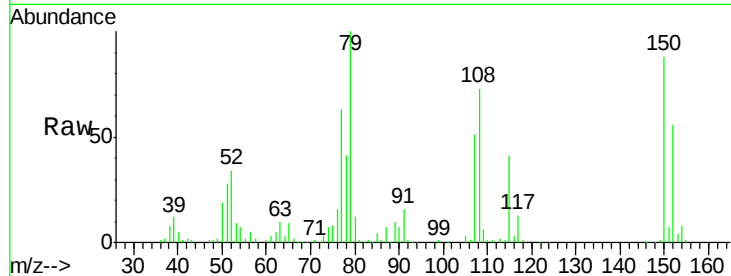
Tot Ion: 79 Resp: 177312

Ion Ratio Lower Upper

79 100

108 73.4 58.4 87.6

77 62.9 49.8 74.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.01 ng

RT: 7.11 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

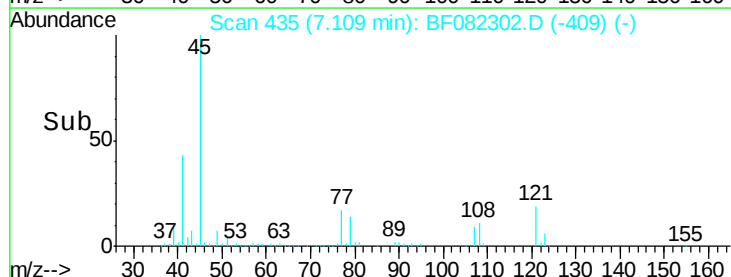
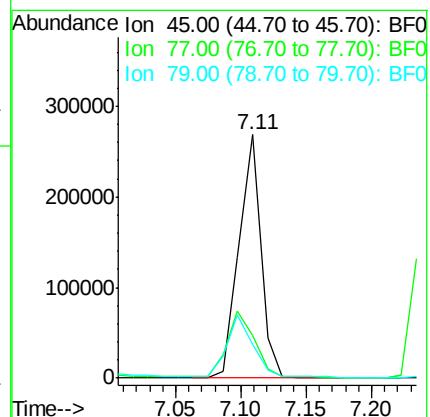
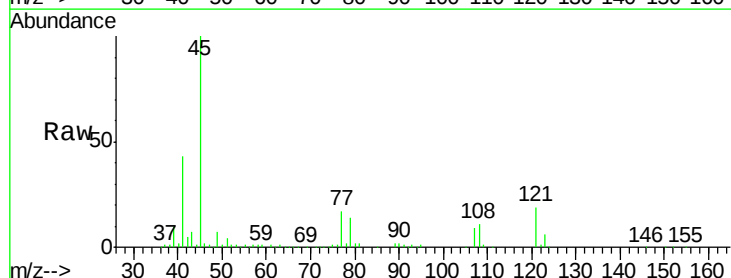
Tgt Ion: 45 Resp: 312820

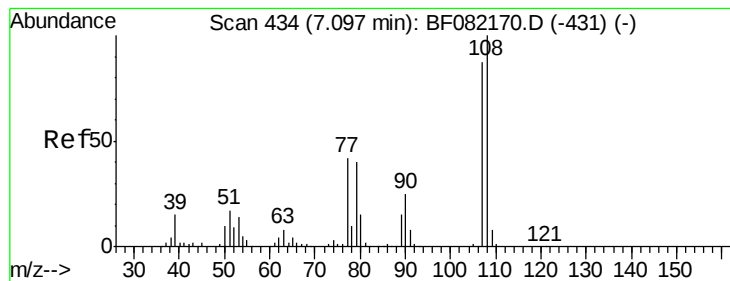
Ion Ratio Lower Upper

45 100

77 17.4 0.0 34.5

79 13.8 0.0 31.6

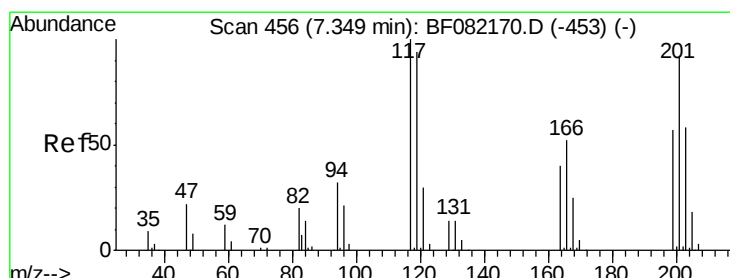
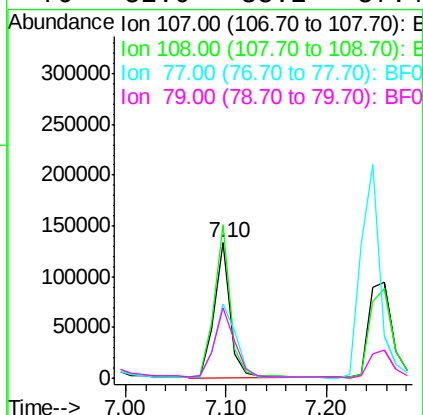
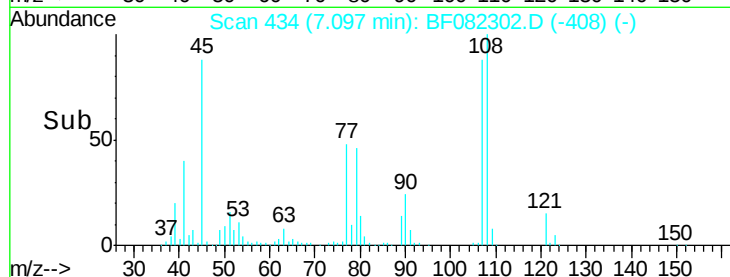
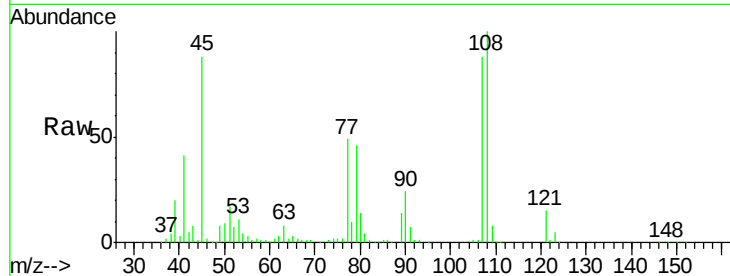




#17
2-Methylphenol
Concen: 39.09 ng
RT: 7.10 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

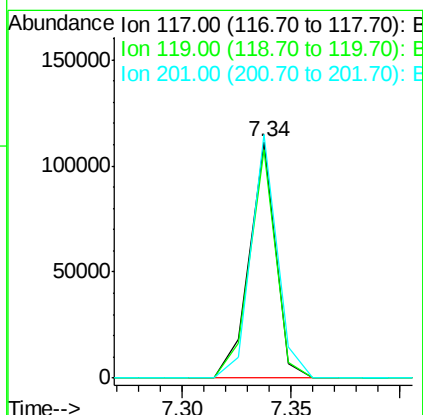
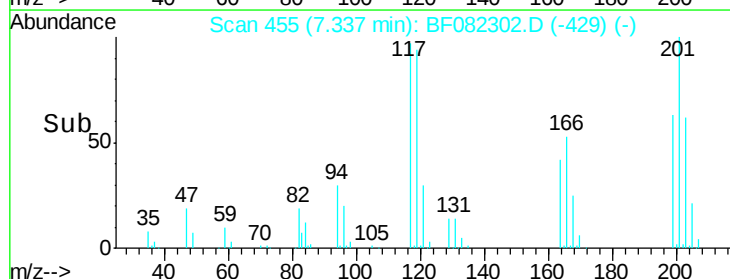
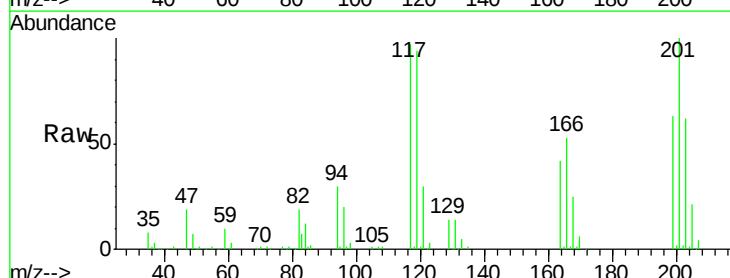
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

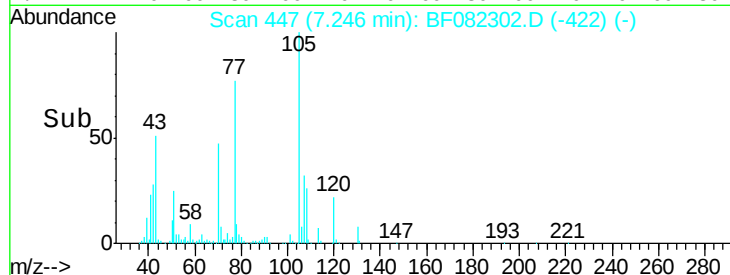
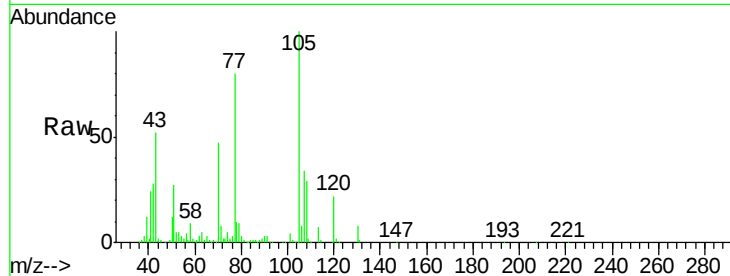
Tot Ion:107 Resp: 148433
Ion Ratio Lower Upper
107 100
108 113.5 92.2 138.2
77 55.1 39.6 59.4
79 52.0 38.2 57.4



#18
Hexachloroethane
Concen: 46.79 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:117 Resp: 93524
Ion Ratio Lower Upper
117 100
119 96.7 75.4 113.2
201 103.1 73.4 110.0

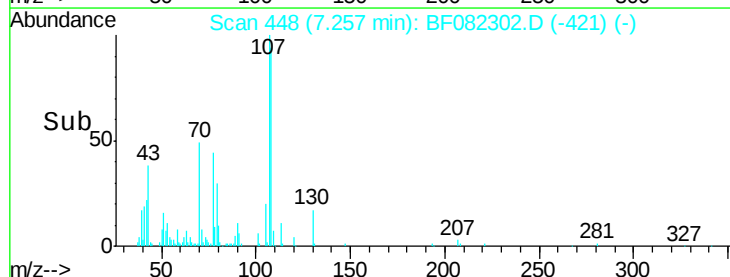
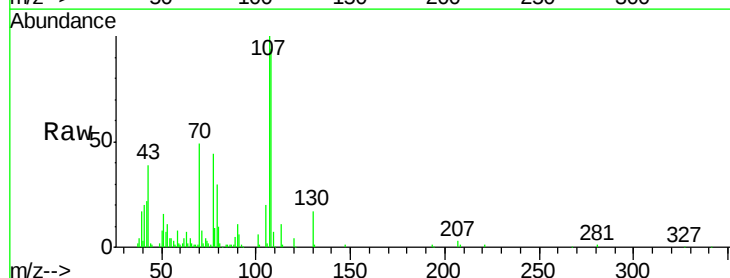
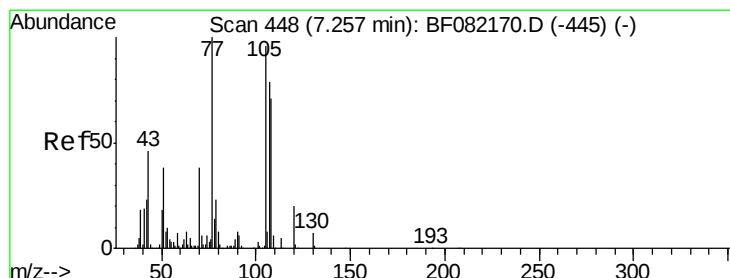
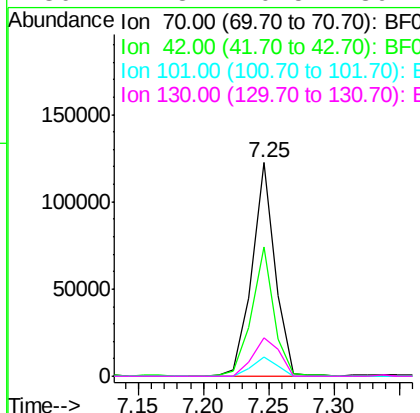




#19
n-Nitroso-di-n-propylamine
Concen: 42.15 ng
RT: 7.25 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

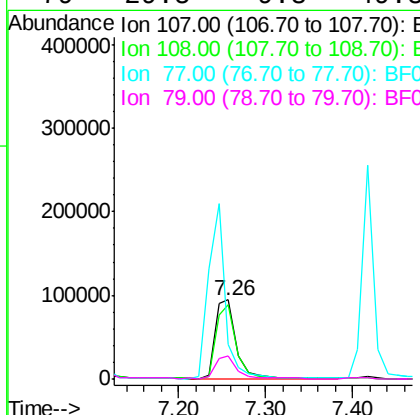
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

Tot Ion: 70 Resp: 151490
Ion Ratio Lower Upper
70 100
42 60.7 39.8 59.8#
101 9.1 8.6 13.0
130 17.8 20.5 30.7#



#20
3+4-Methylphenols
Concen: 34.81 ng
RT: 7.26 min Scan# 448
Delta R.T. 0.01 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion: 107 Resp: 157487
Ion Ratio Lower Upper
107 100
108 93.8 69.9 109.9
77 44.1 106.0 146.0#
79 29.5 9.8 49.8

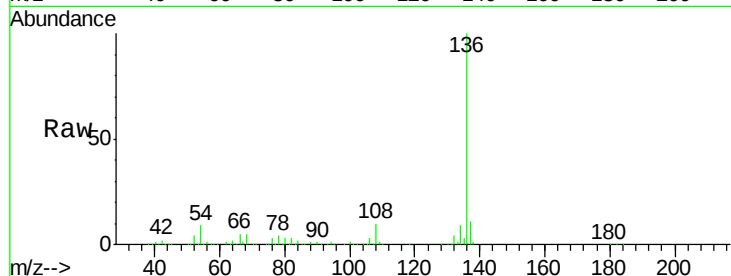




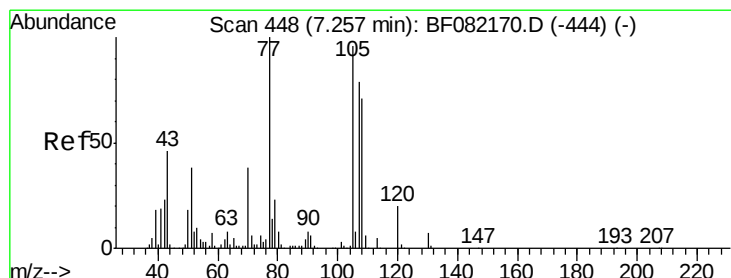
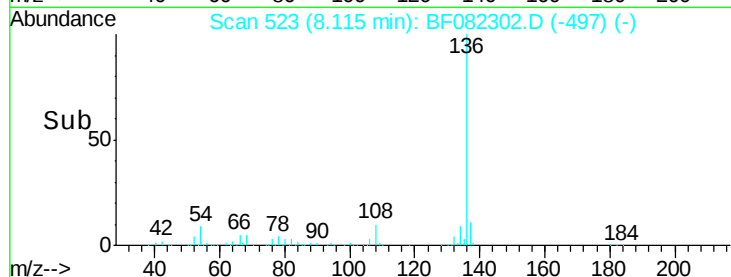
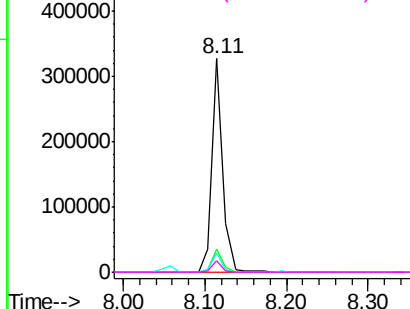
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampled :
LF-1MSD

Tot Ion:136	Resp:	306838
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.6
54	8.7	7.5 11.3
68	5.3	4.6 7.0

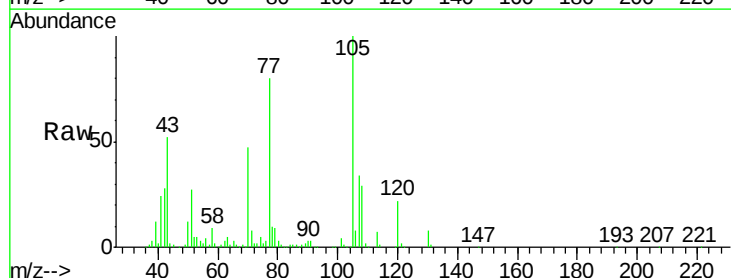


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

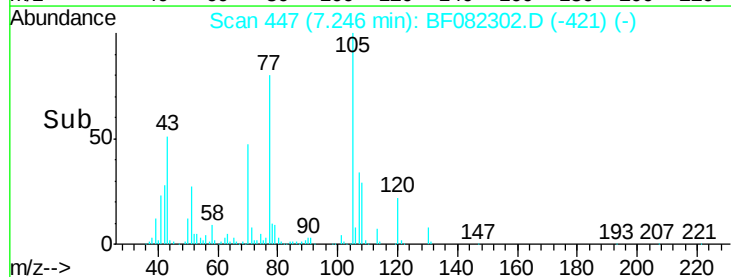
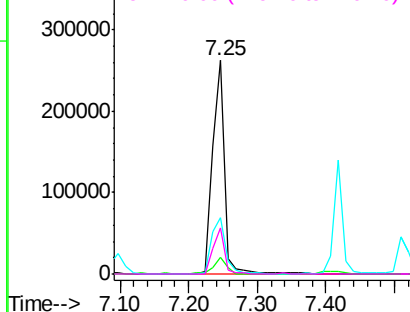


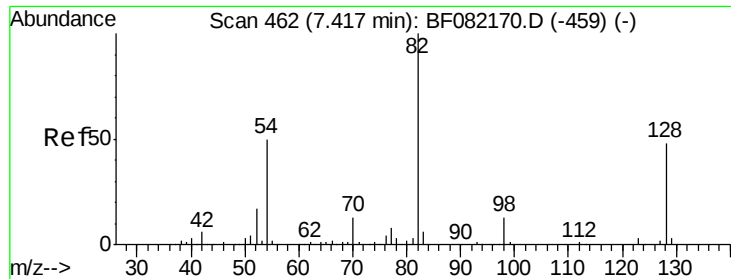
#22
Acetophenone
Concen: 52.58 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:105	Resp:	319153
Ion Ratio	Lower	Upper
105	100	
71	7.8	5.4 8.0
51	26.7	31.8 47.6#
120	21.7	16.3 24.5



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

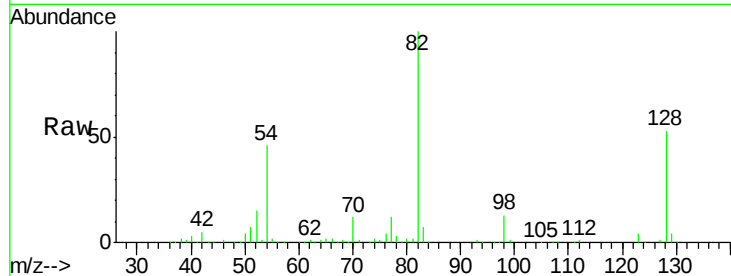




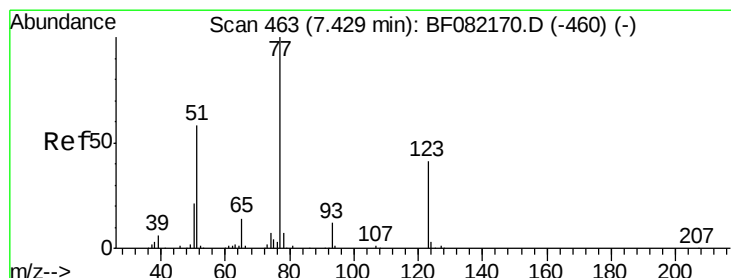
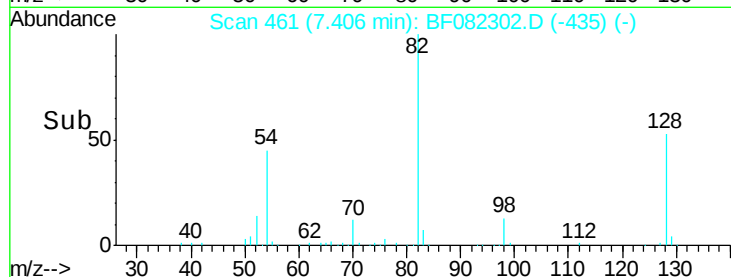
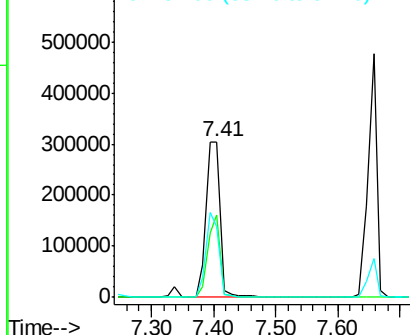
#23
Nitrobenzene-d5
Concen: 107.02 ng
RT: 7.41 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampleId :
LF-1MSD

Tot Ion: 82 Resp: 488979
Ion Ratio Lower Upper
82 100
128 53.0 38.7 58.1
54 45.8 40.1 60.1

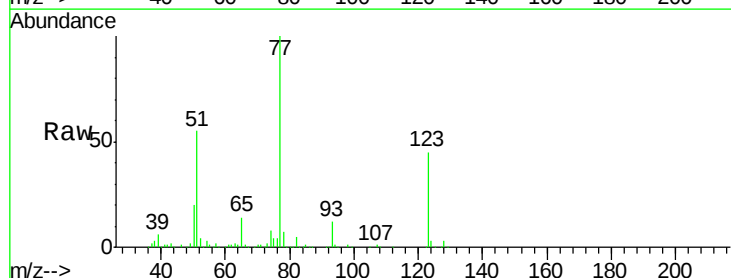


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

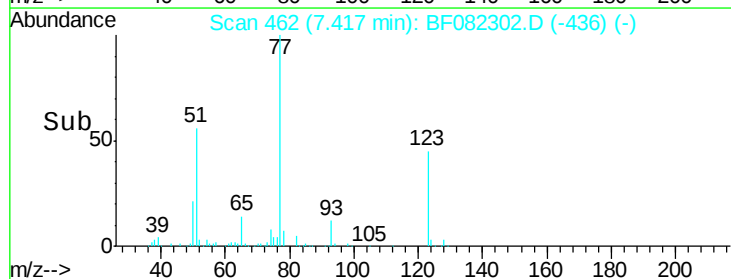
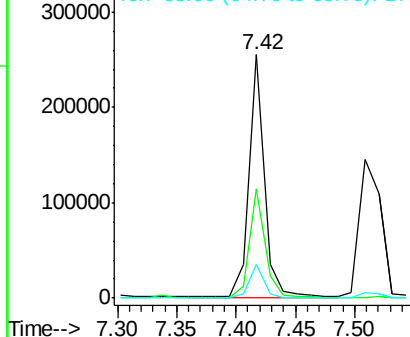


#24
Nitrobenzene
Concen: 47.10 ng
RT: 7.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion: 77 Resp: 232942
Ion Ratio Lower Upper
77 100
123 44.8 33.0 49.4
65 14.0 11.2 16.8



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





#25

Isophorone

Concen: 50.15 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

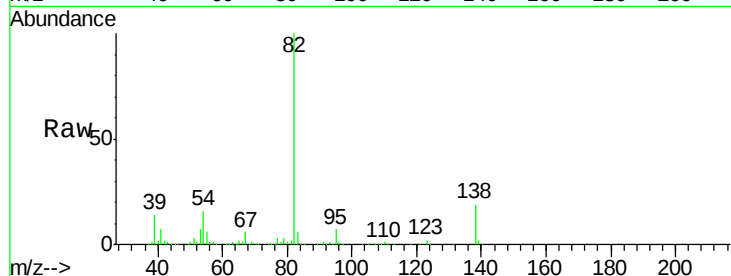
Tot Ion: 82 Resp: 462436

Ion Ratio Lower Upper

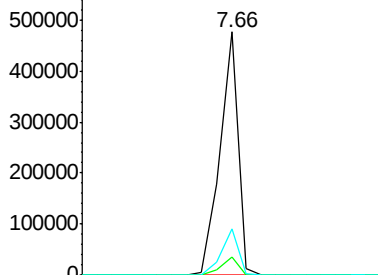
82 100

95 7.3 5.6 8.4

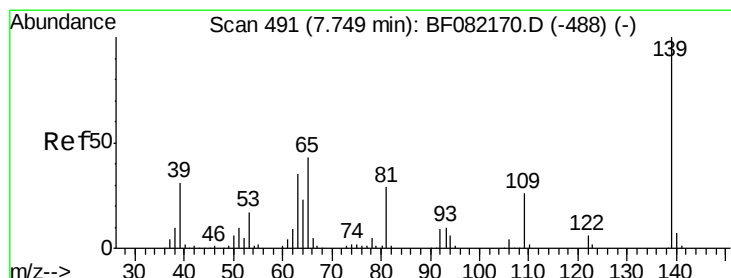
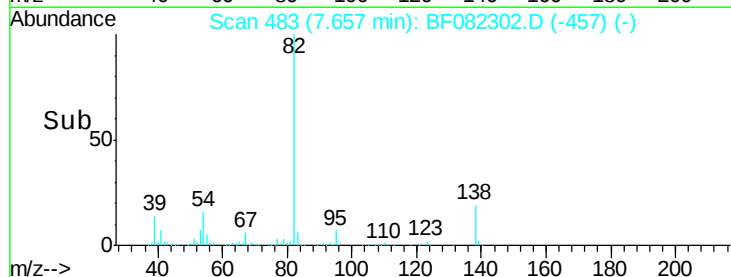
138 19.1 13.6 20.4



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



Time-->



#26

2-Nitrophenol

Concen: 2.77 ng

RT: 7.74 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

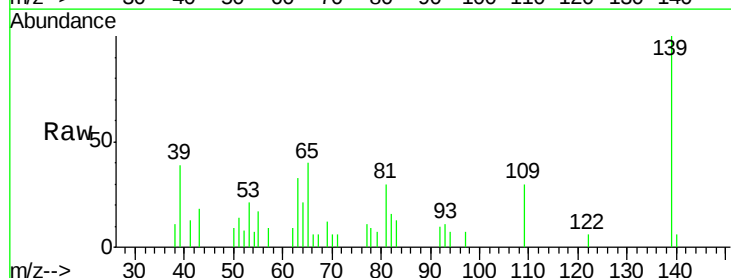
Tgt Ion: 139 Resp: 6829

Ion Ratio Lower Upper

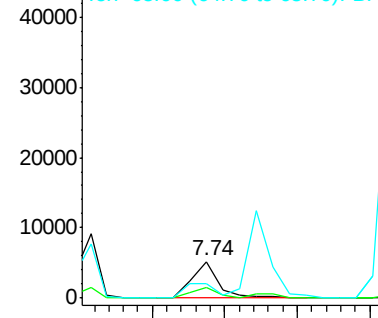
139 100

109 29.8 20.6 31.0

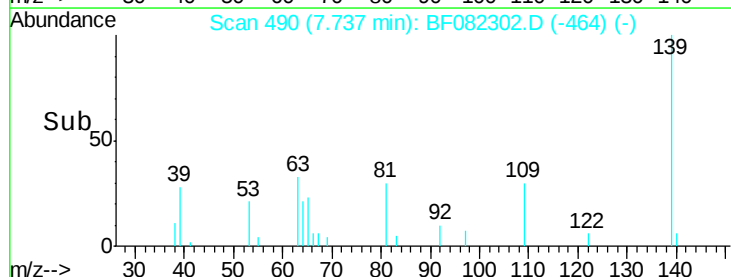
65 40.4 34.3 51.5



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



Time-->

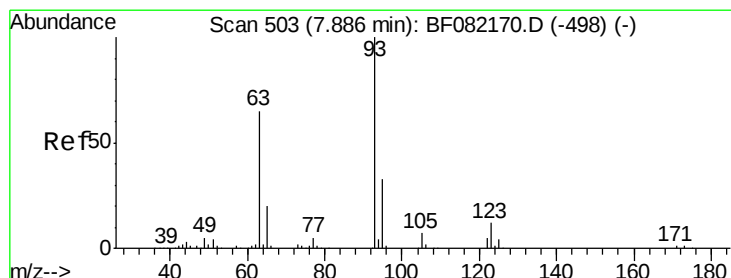
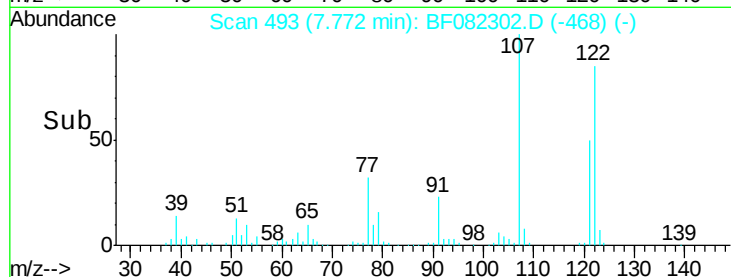
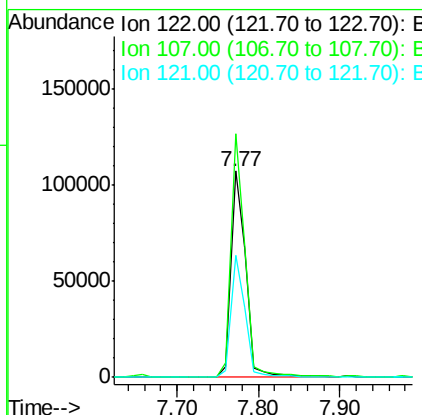
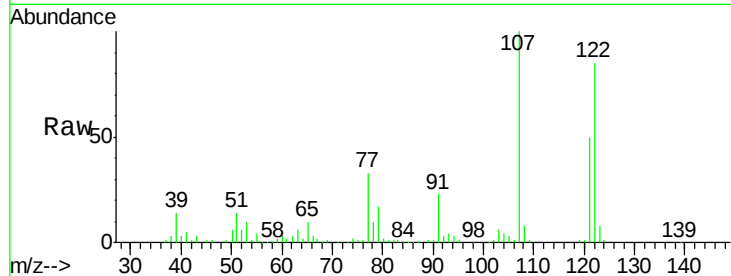




#27
 2,4-Dimethylphenol
 Concen: 33.47 ng
 RT: 7.77 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

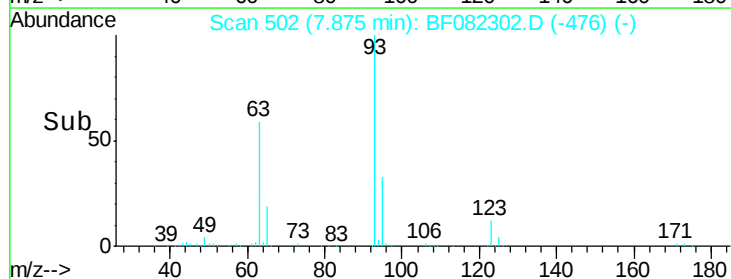
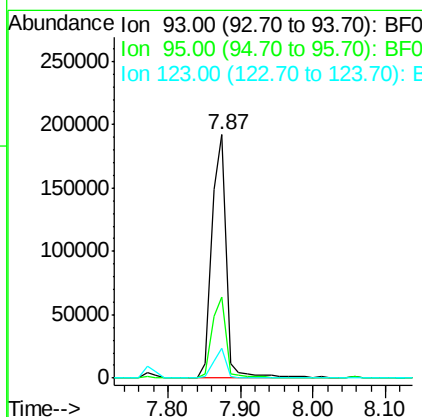
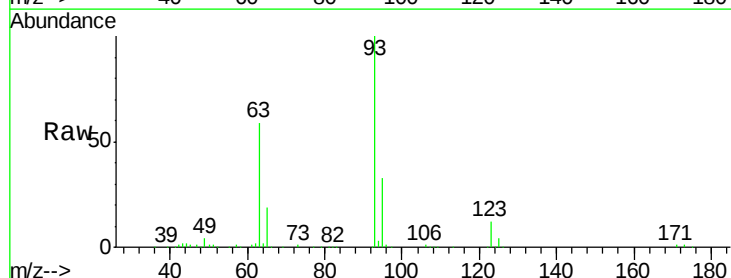
Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

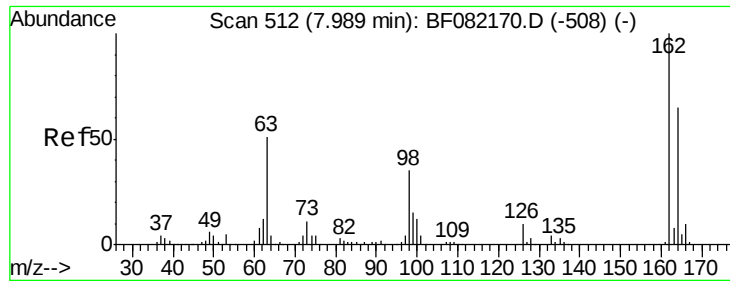
Tot Ion	Ratio	Lower	Upper
122	100		
107	118.1	94.0	141.0
121	59.3	46.8	70.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.24 ng
 RT: 7.87 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	39.8
123	12.0	9.5	14.3

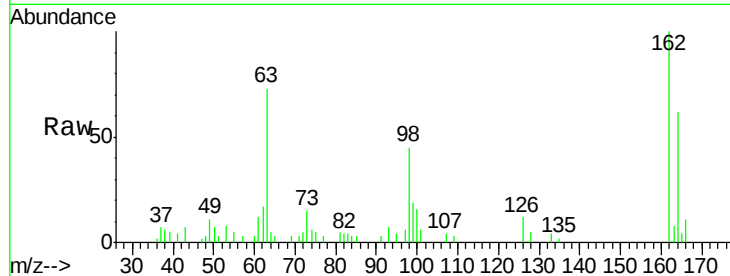




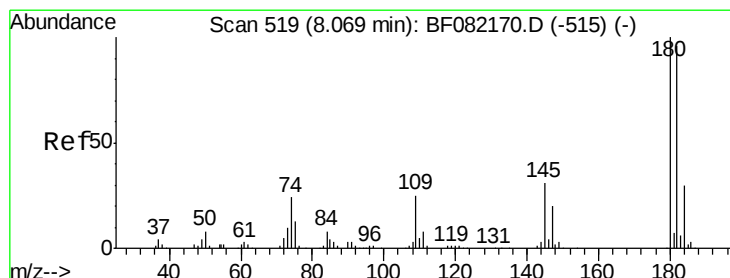
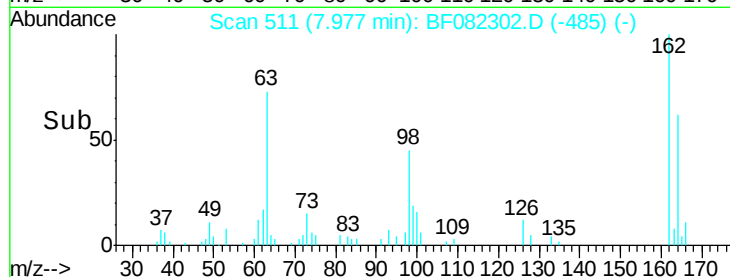
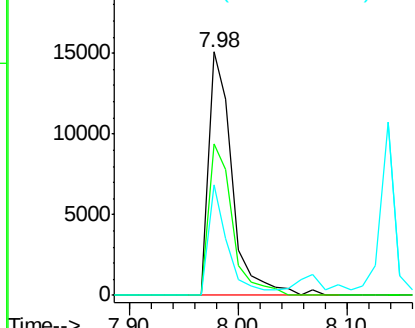
#29
2,4-Dichlorophenol
Concen: 5.76 ng
RT: 7.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampled :
LF-1MSD

Tot Ion:162 Resp: 22894
Ion Ratio Lower Upper
162 100
164 62.3 44.6 84.6
98 45.4 15.0 55.0

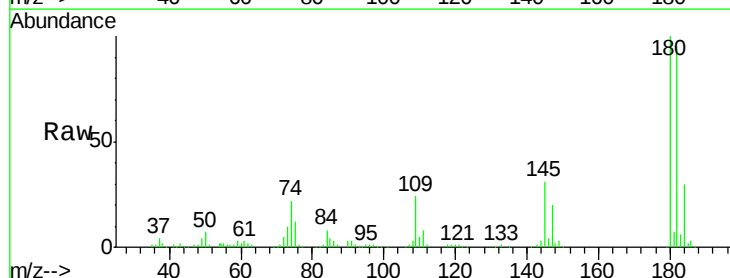


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

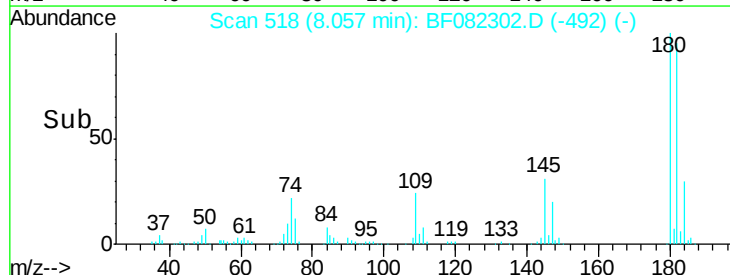
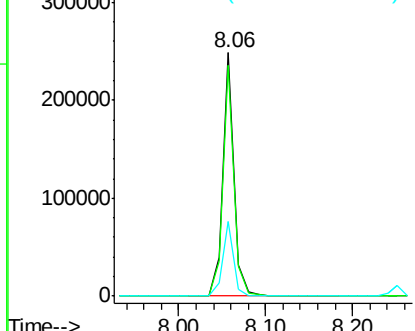


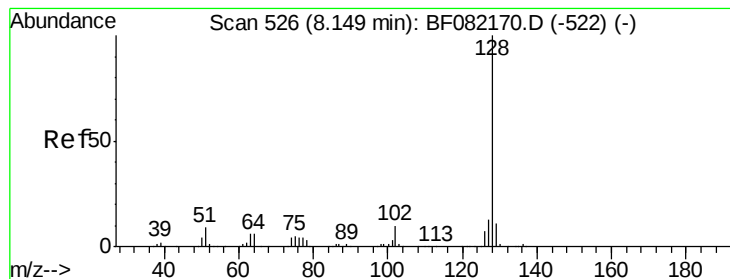
#30
1,2,4-Trichlorobenzene
Concen: 49.26 ng
RT: 8.06 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:180 Resp: 225837
Ion Ratio Lower Upper
180 100
182 94.9 77.0 115.4
145 30.7 25.0 37.4



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





#31

Naphthalene

Concen: 48.30 ng

RT: 8.14 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

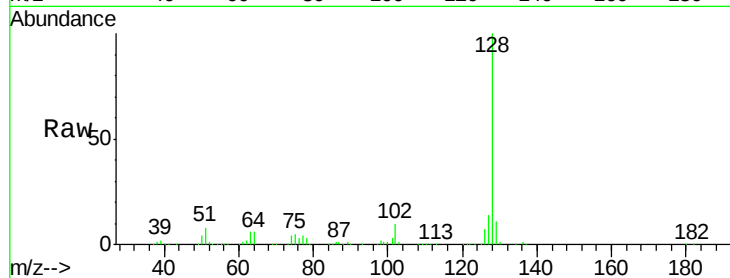
Tot Ion:128 Resp: 642381

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

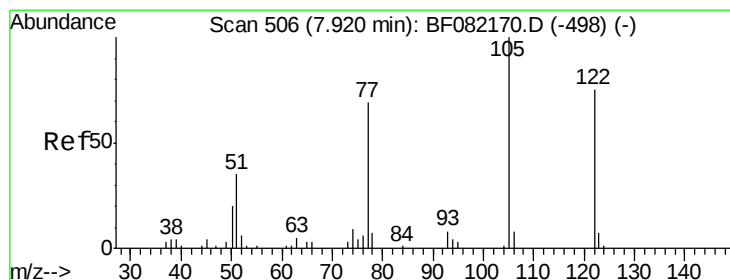
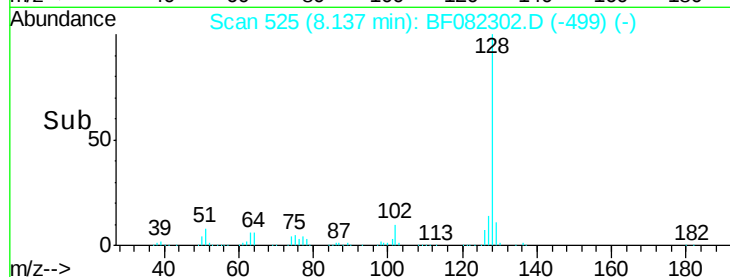
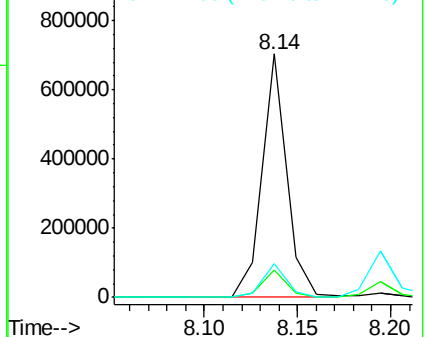
127 13.7 10.7 16.1



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: 49.87 ng

RT: 7.77 min Scan# 493

Delta R.T. -0.14 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

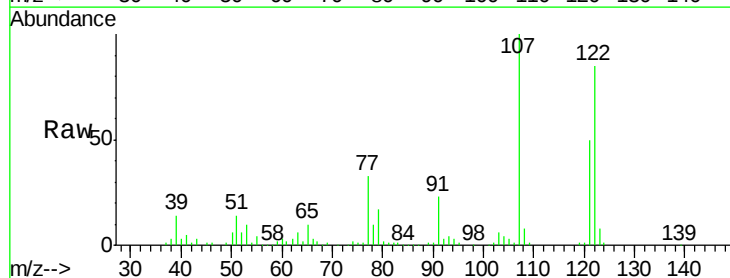
Tgt Ion:122 Resp: 133156

Ion Ratio Lower Upper

122 100

105 3.9 104.4 144.4#

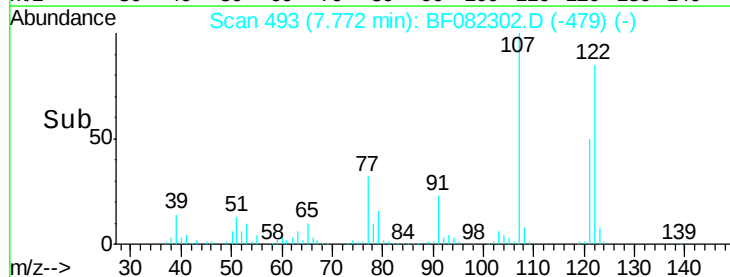
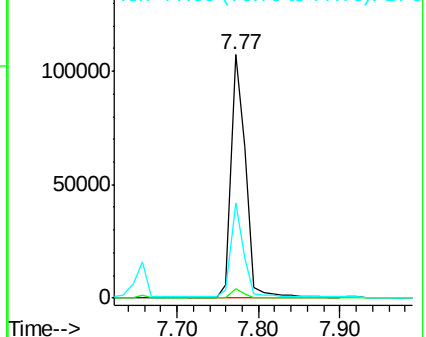
77 39.1 69.0 109.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

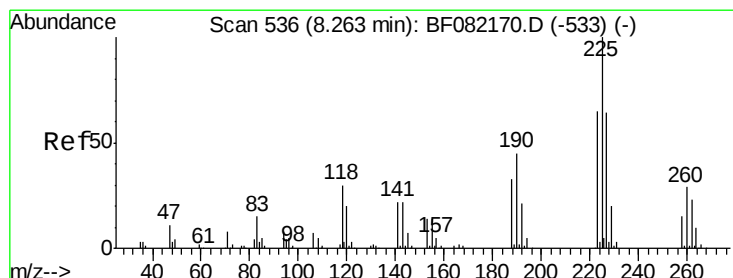
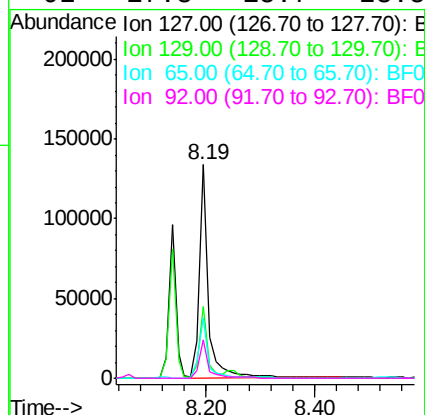
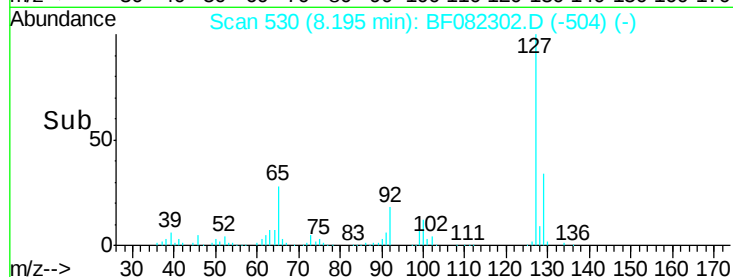
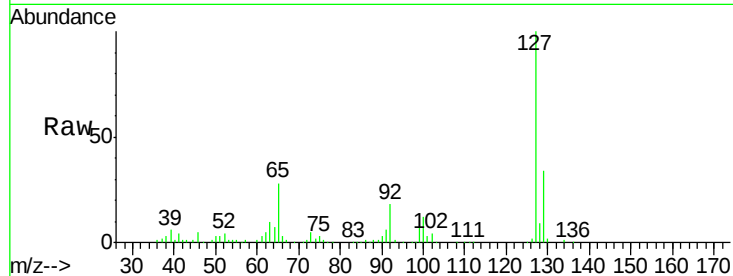




#33
4-Chloroaniline
Concen: 27.60 ng
RT: 8.19 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

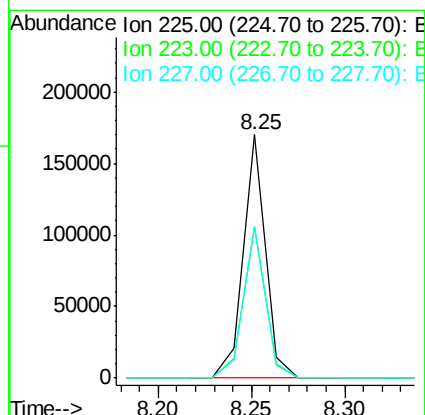
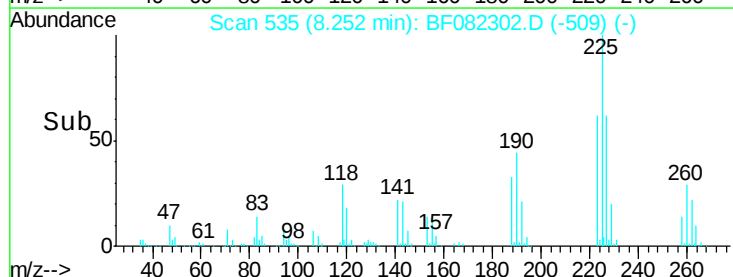
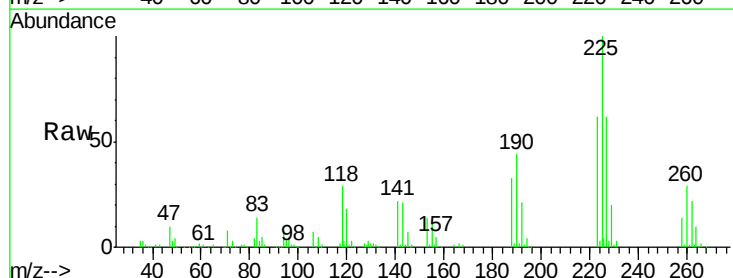
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

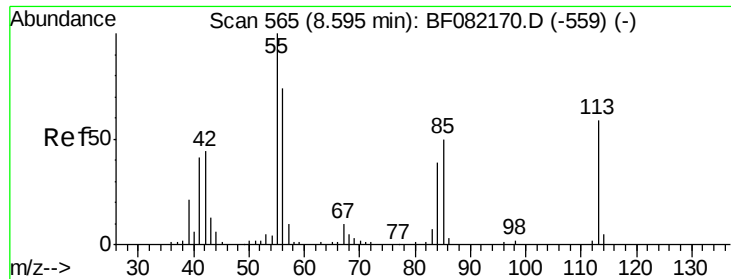
Tot Ion:	127	Resp:	152448
Ion	Ratio	Lower	Upper
127	100		
129	33.7	26.3	39.5
65	28.4	24.4	36.6
92	17.8	15.7	23.5



#34
Hexachlorobutadiene
Concen: 49.41 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:	225	Resp:	141140
Ion	Ratio	Lower	Upper
225	100		
223	62.2	52.2	78.2
227	62.5	51.3	76.9





#35

Caprolactam

Concen: 48.06 ng

RT: 8.54 min Scan# 560

Delta R.T. -0.05 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

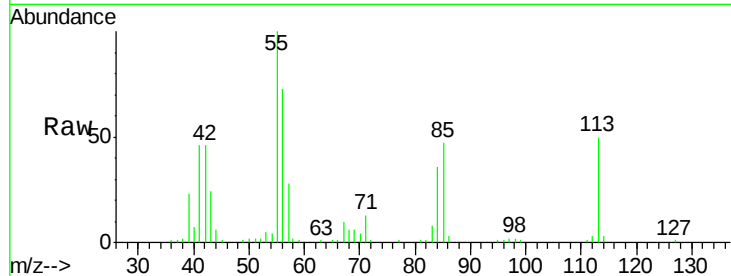
Tot Ion:113 Resp: 55471

Ion Ratio Lower Upper

113 100

55 199.7 149.7 189.7#

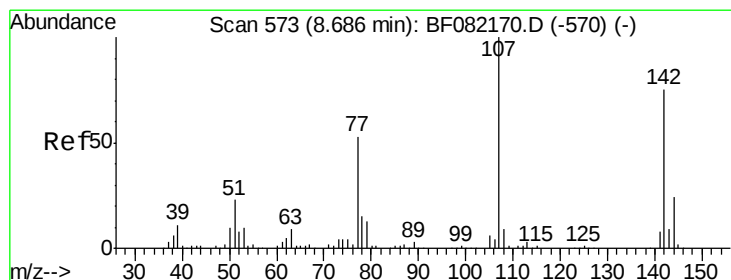
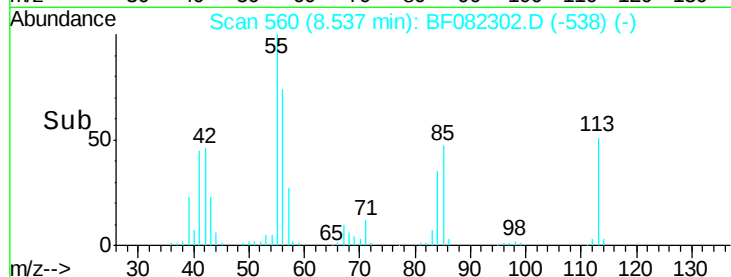
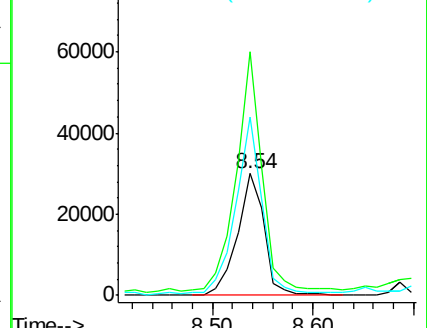
56 146.2 105.4 145.4#



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: 27.34 ng

RT: 8.69 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

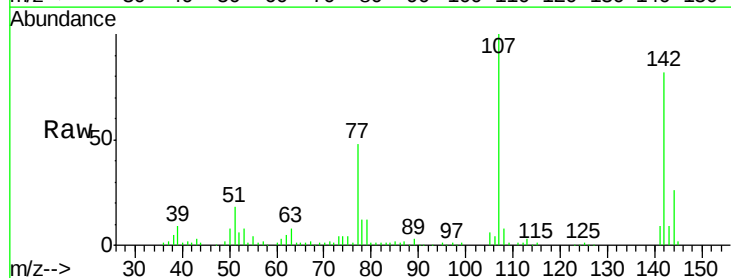
Tgt Ion:107 Resp: 106320

Ion Ratio Lower Upper

107 100

144 26.0 19.3 28.9

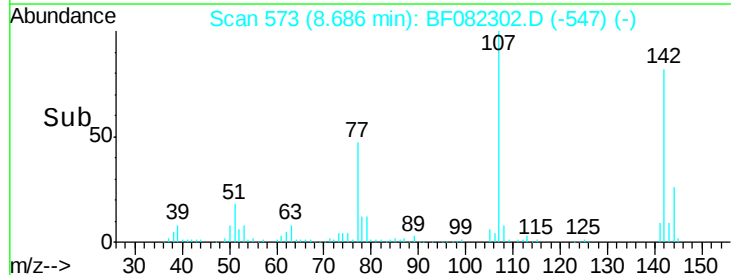
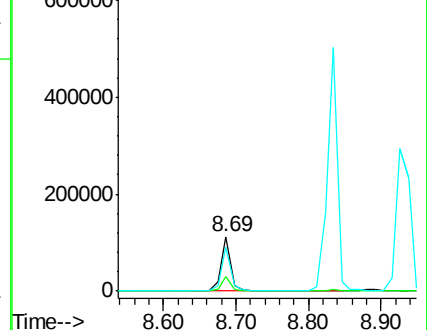
142 82.0 59.9 89.9

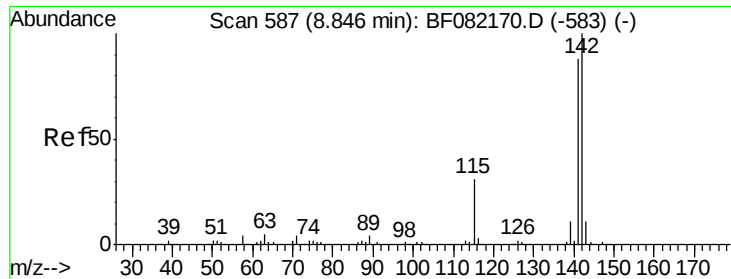


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

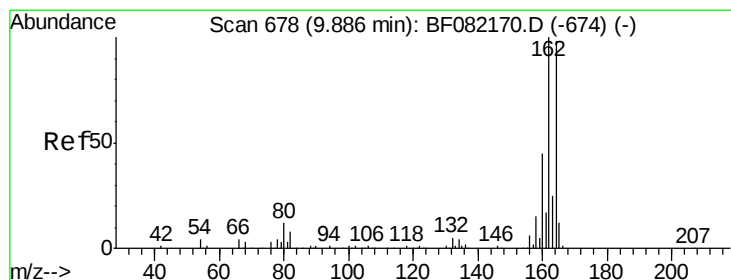
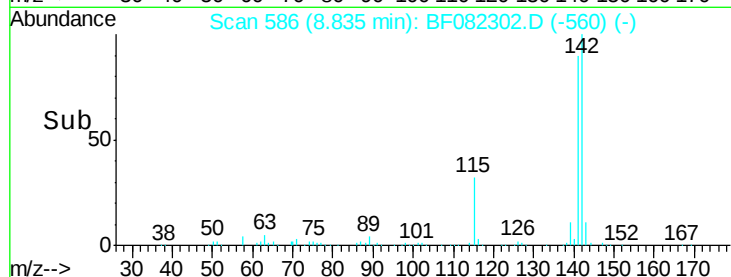
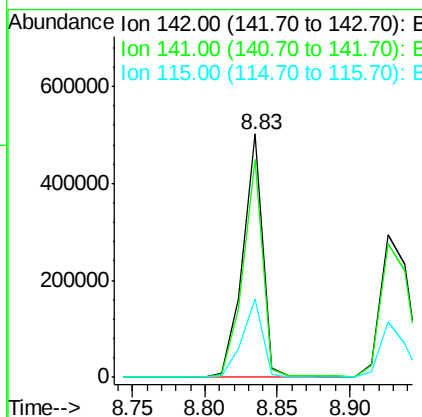
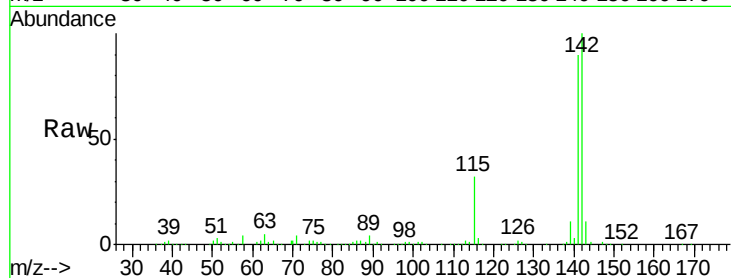




#37
2-Methylnaphthalene
Concen: 52.13 ng
RT: 8.83 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

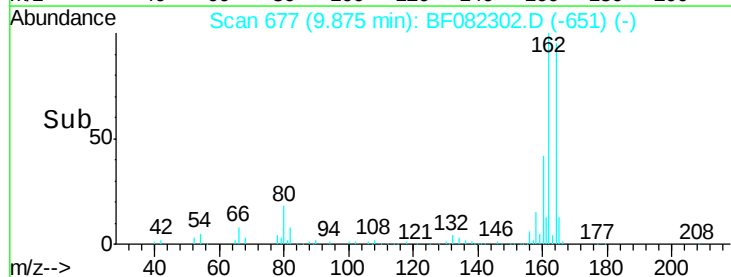
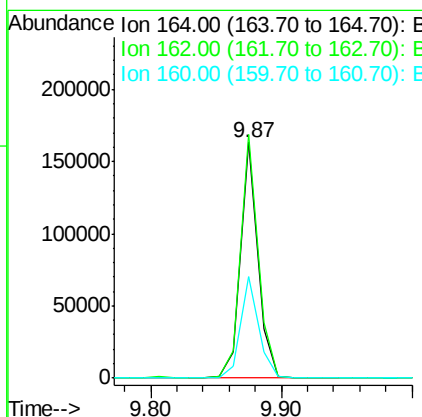
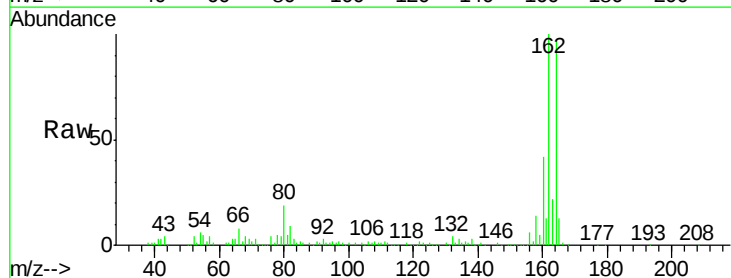
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

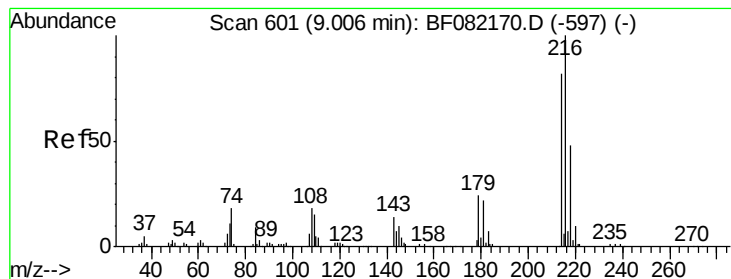
Tot Ion:142 Resp: 480647
Ion Ratio Lower Upper
142 100
141 89.8 70.4 105.6
115 32.4 24.6 37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:164 Resp: 149933
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 43.1 36.4 54.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.04 ng

RT: 8.99 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

Tot Ion:216 Resp: 209758

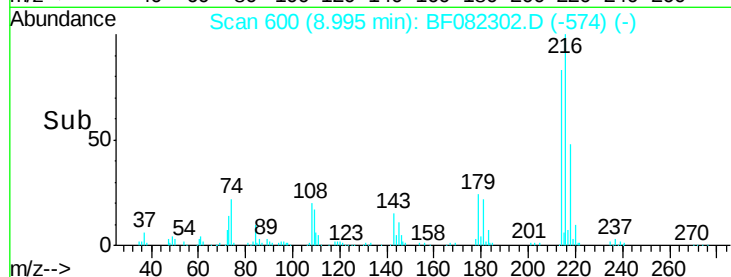
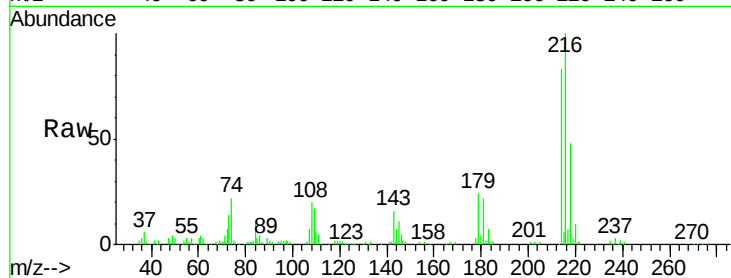
Ion Ratio Lower Upper

216 100

214 80.0 64.6 97.0

179 21.2 17.6 26.4

108 18.3 14.5 21.7

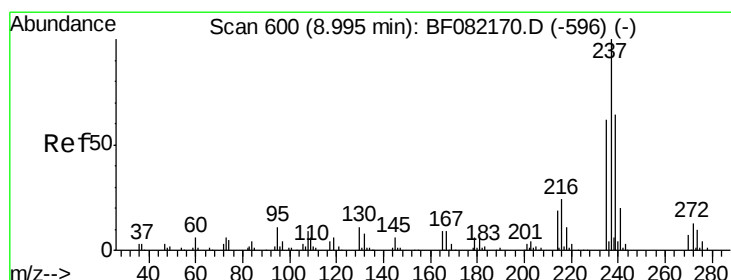
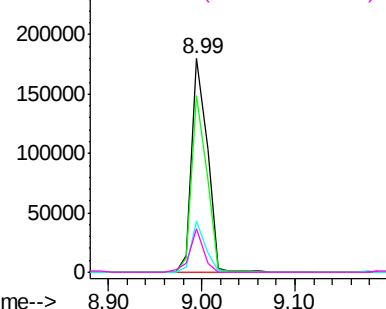


Abundance Ion 216.00 (215.70 to 216.70): E

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: 59.70 ng

RT: 8.98 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

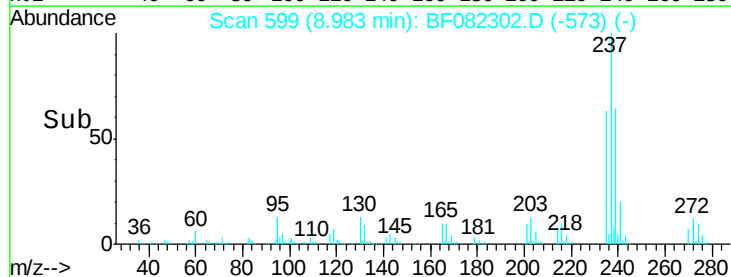
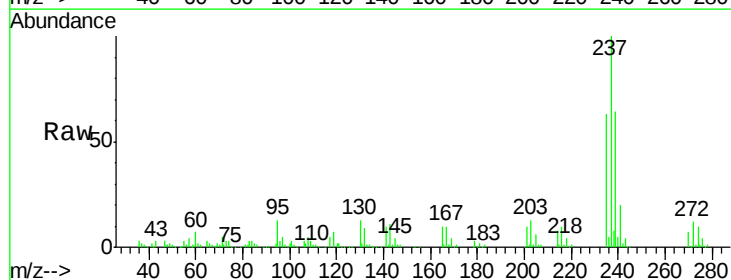
Tgt Ion:237 Resp: 129414

Ion Ratio Lower Upper

237 100

235 62.6 41.7 81.7

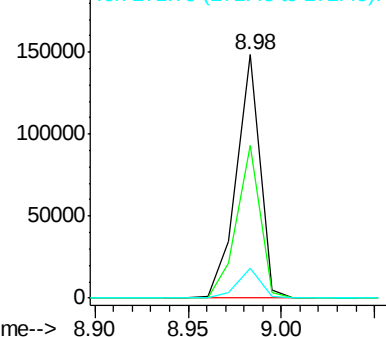
272 12.2 0.0 32.8



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

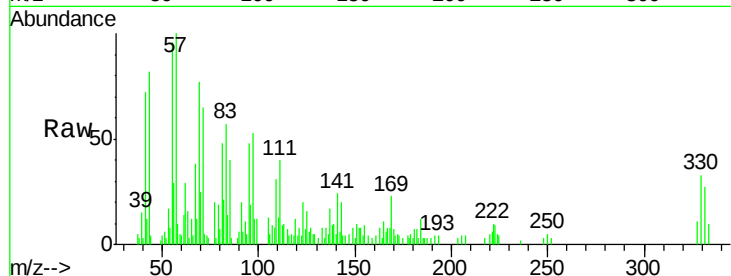




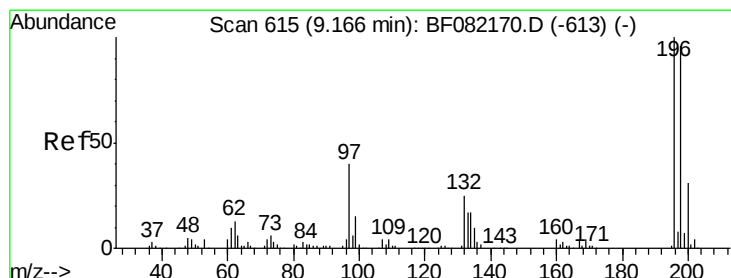
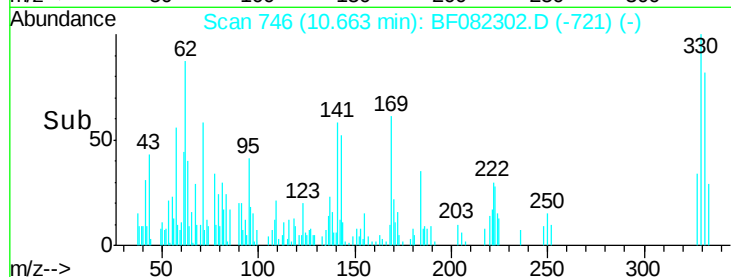
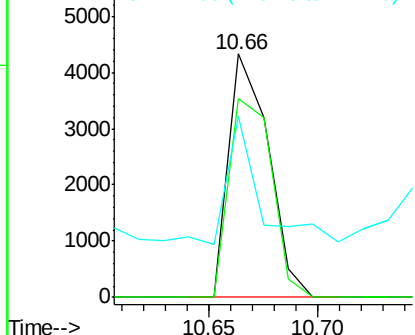
#41
 2,4,6-Tribromophenol
 Concen: 3.92 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

Tot Ion:330 Resp: 5513
 Ion Ratio Lower Upper
 330 100
 332 87.9 77.1 115.7
 141 0.0 29.8 44.8#

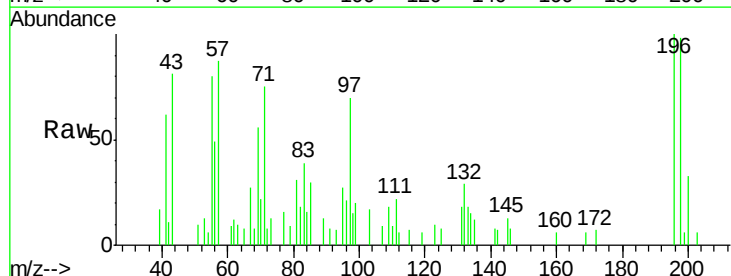


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

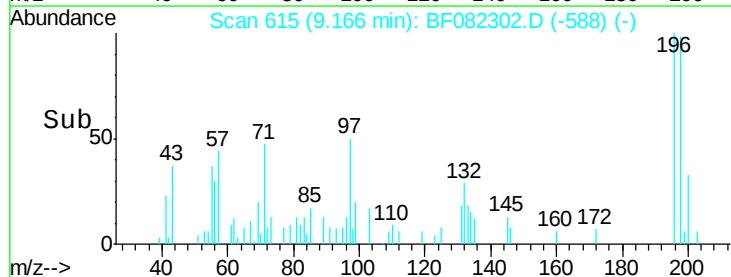
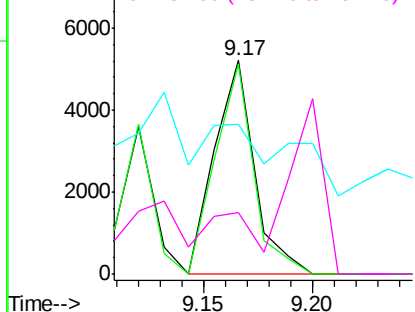


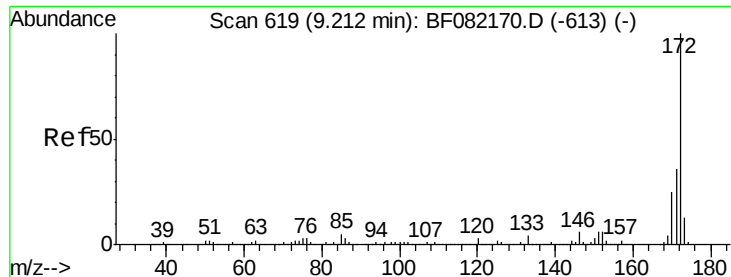
#43
 2,4,5-Trichlorophenol
 Concen: 2.07 ng
 RT: 9.17 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Tgt Ion:196 Resp: 6641
 Ion Ratio Lower Upper
 196 100
 198 98.4 77.0 115.4
 97 70.1 31.9 47.9#
 132 28.7 20.3 30.5



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



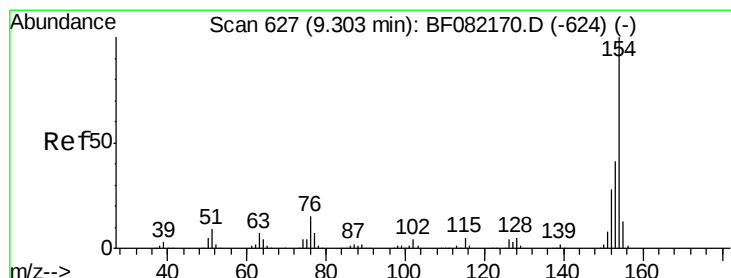
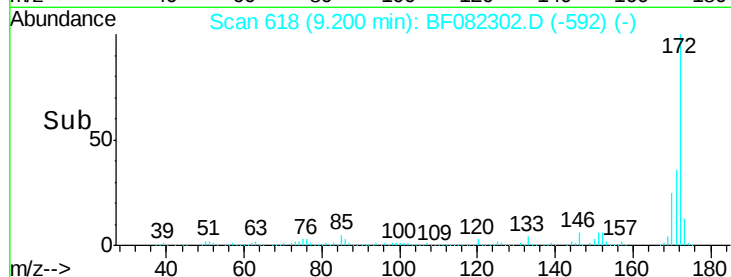
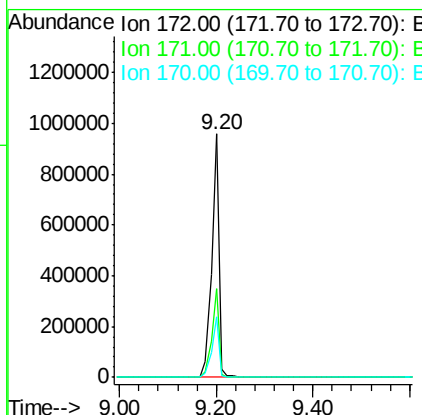
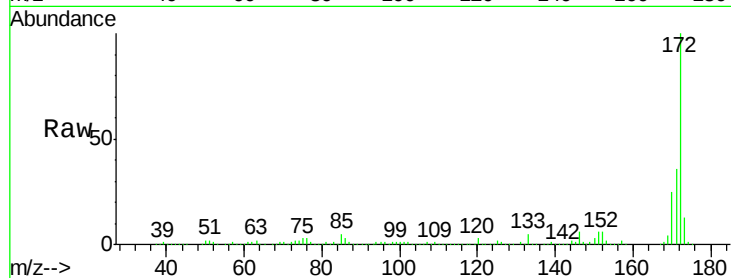


#44
 2-Fluorobiphenyl
 Concen: 112.84 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

Tot Ion:172 Resp: 1020160

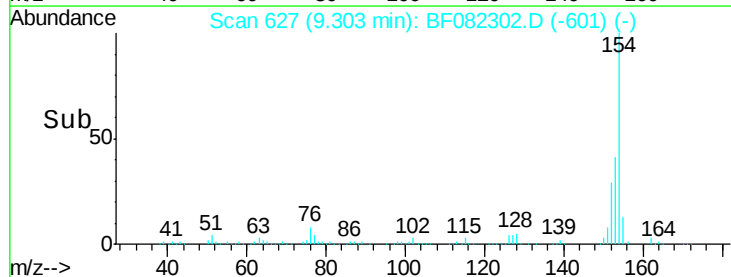
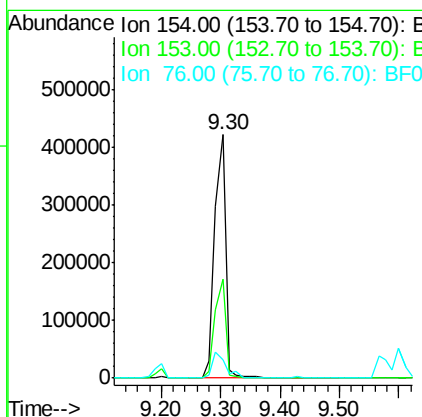
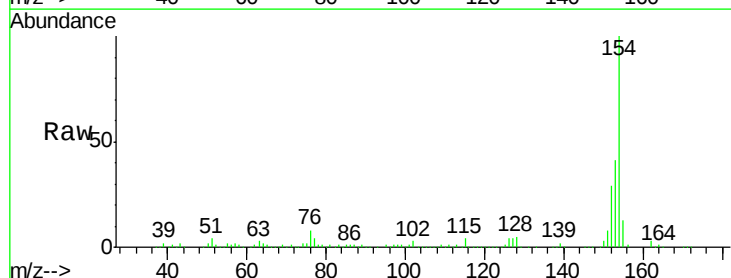
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.7	19.7	29.5

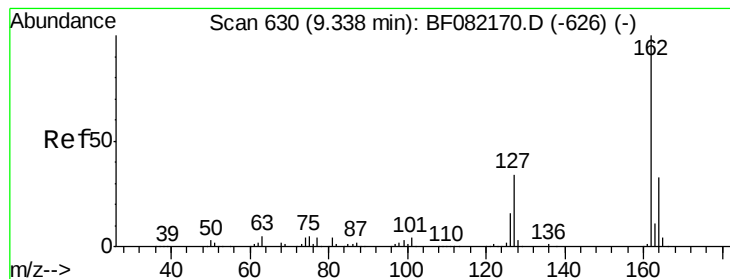


#45
 1,1'-Biphenyl
 Concen: 47.34 ng
 RT: 9.30 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Tgt Ion:154 Resp: 541229

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	7.7	0.0	35.2





#46

2-Chloronaphthalene

Concen: 51.57 ng

RT: 9.33 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

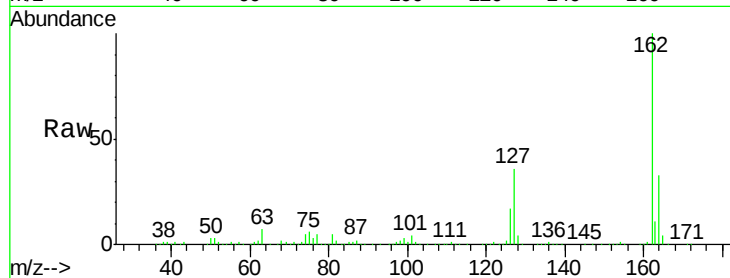
Tot Ion:162 Resp: 464113

Ion Ratio Lower Upper

162 100

127 36.2 27.5 41.3

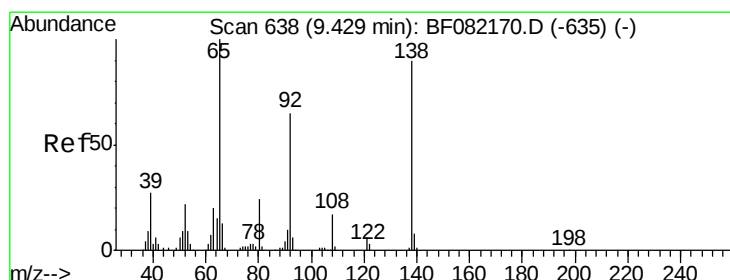
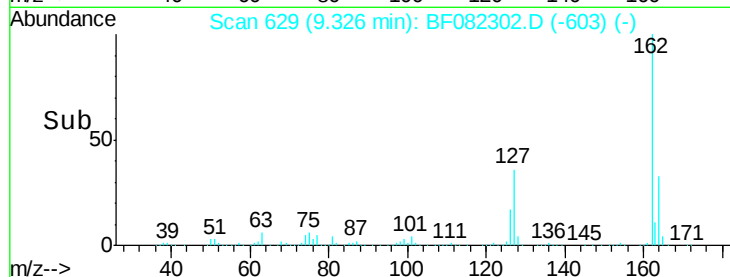
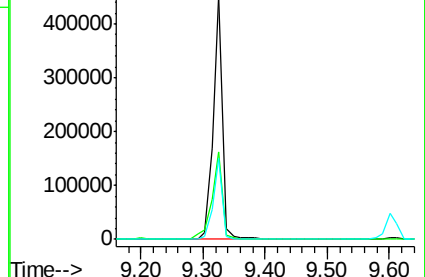
164 33.5 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 55.18 ng

RT: 9.43 min Scan# 638

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

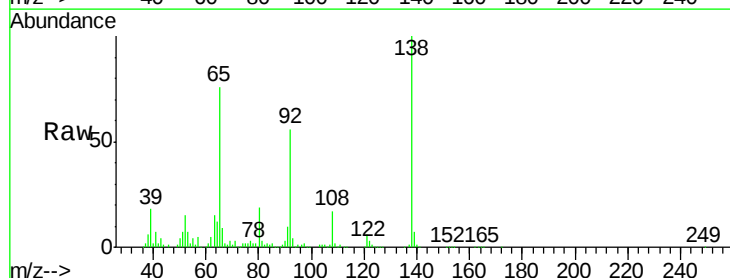
Tgt Ion: 65 Resp: 136346

Ion Ratio Lower Upper

65 100

92 73.2 52.3 78.5

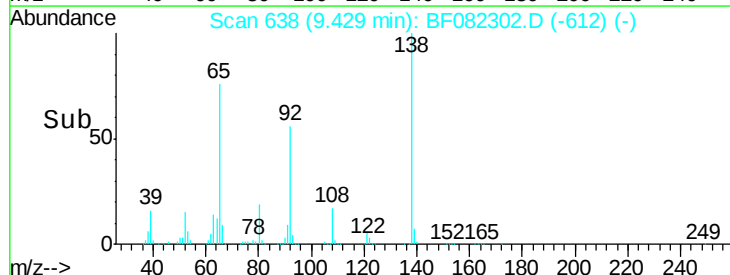
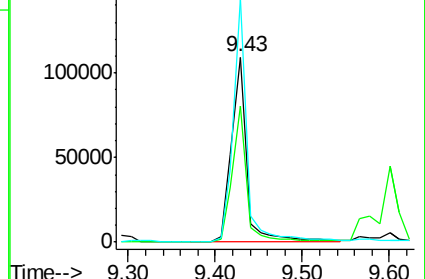
138 131.4 72.2 108.4#

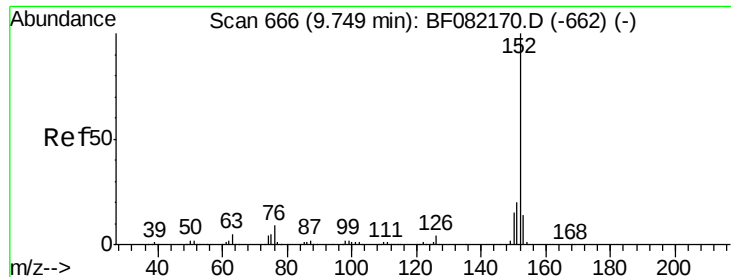


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 46.37 ng

RT: 9.74 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

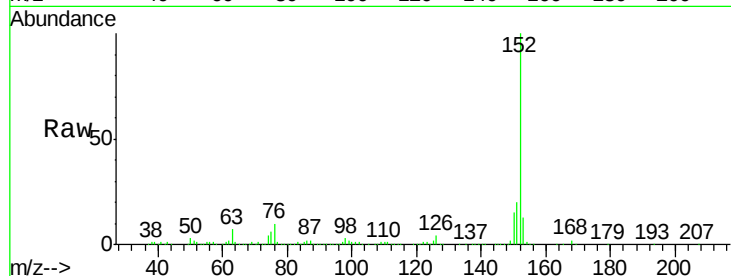
Tot Ion:152 Resp: 650113

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

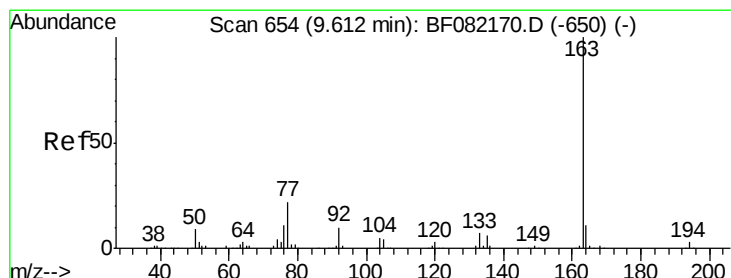
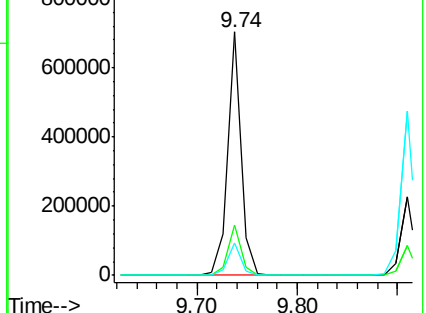
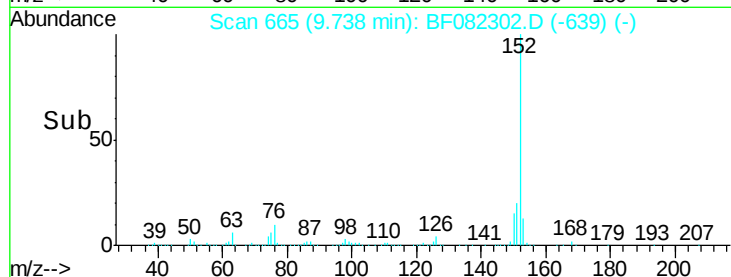
153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 59.00 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

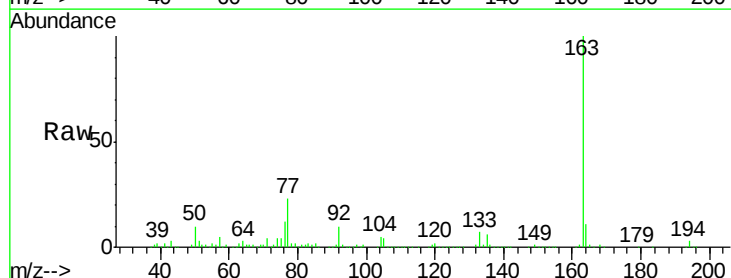
Tgt Ion:163 Resp: 622908

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

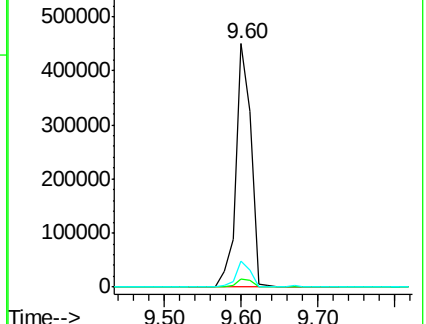
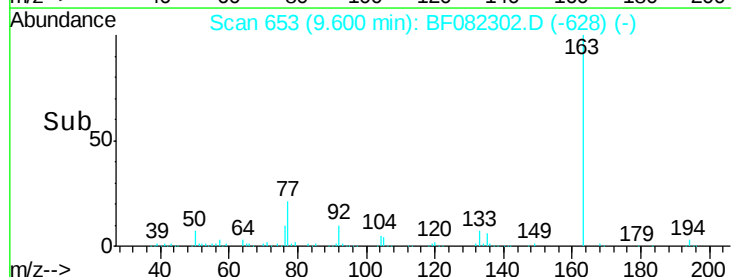
164 10.8 8.5 12.7

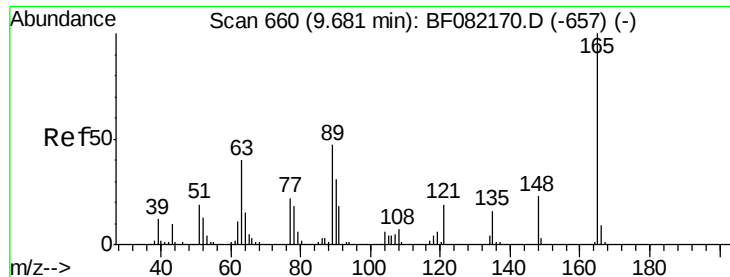


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

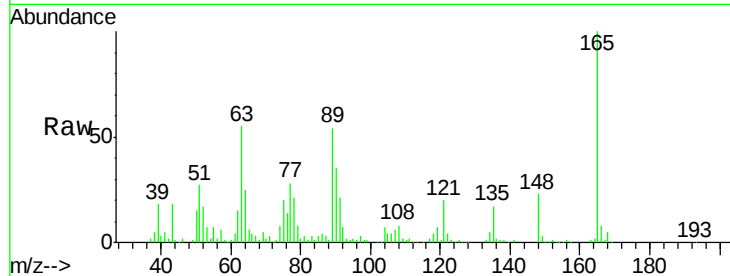




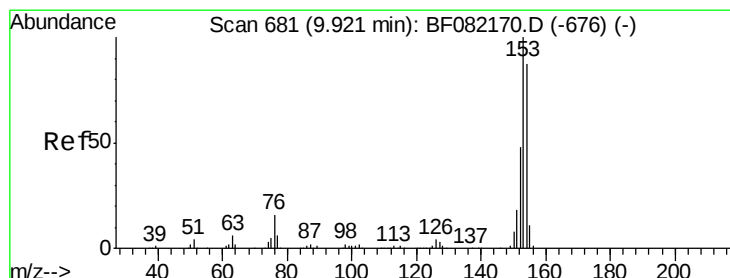
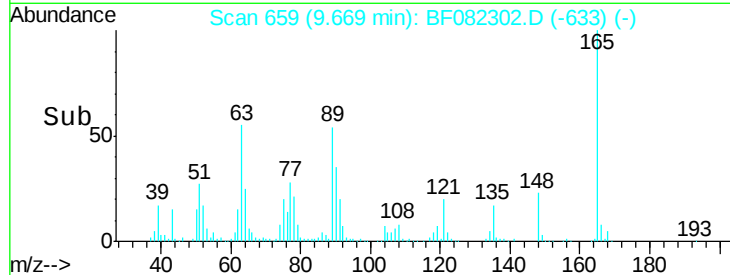
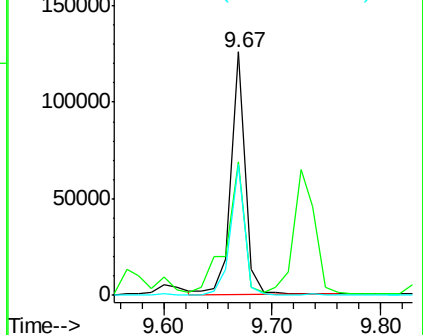
#50
2,6-Dinitrotoluene
Concen: 50.98 ng
RT: 9.67 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampleId :
LF-1MSD

Tot Ion:165 Resp: 113574
Ion Ratio Lower Upper
165 100
63 55.1 36.7 55.1
89 53.6 37.8 56.6

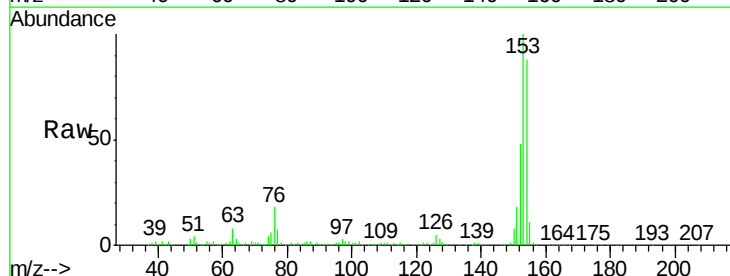


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

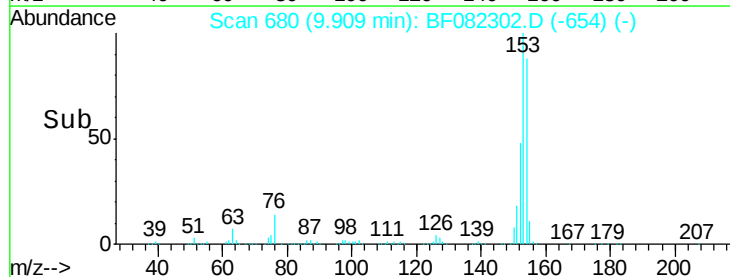
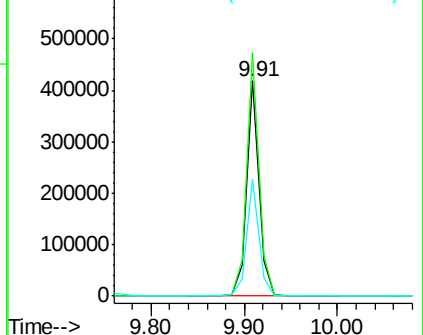


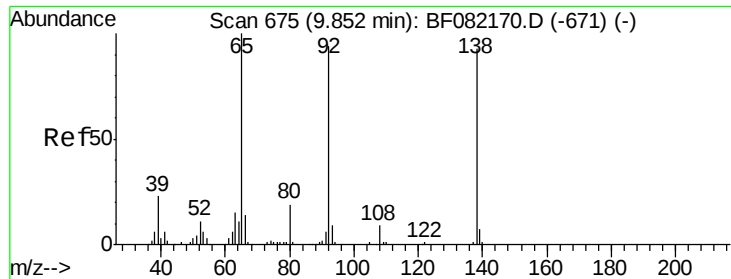
#51
Acenaphthene
Concen: 45.09 ng
RT: 9.91 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:154 Resp: 379541
Ion Ratio Lower Upper
154 100
153 113.3 91.4 137.2
152 54.3 44.3 66.5



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: 42.22 ng

RT: 9.84 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

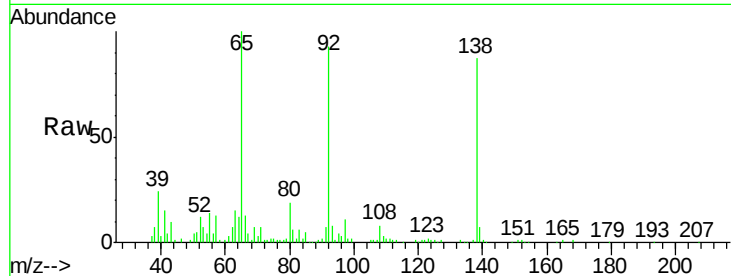
Tot Ion:138 Resp: 106245

Ion Ratio Lower Upper

138 100

108 9.7 7.4 11.0

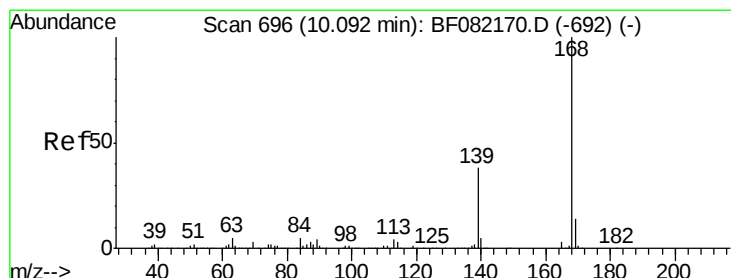
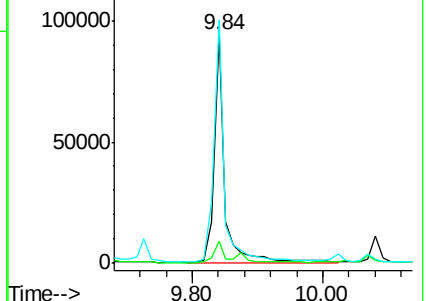
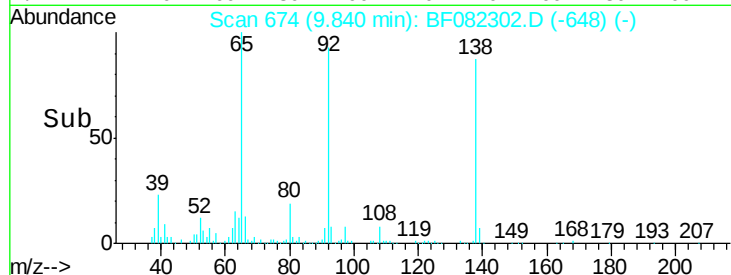
92 106.4 81.3 121.9



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



#54

Dibenzofuran

Concen: 50.87 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

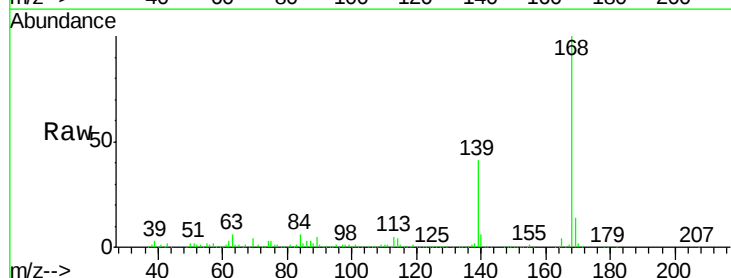
Tgt Ion:168 Resp: 587844

Ion Ratio Lower Upper

168 100

139 40.7 31.0 46.6

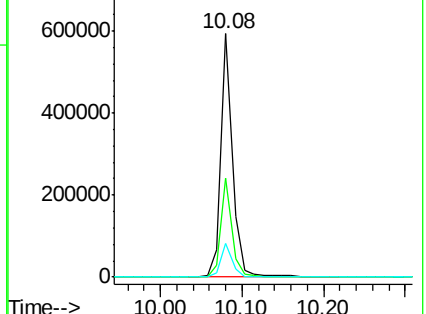
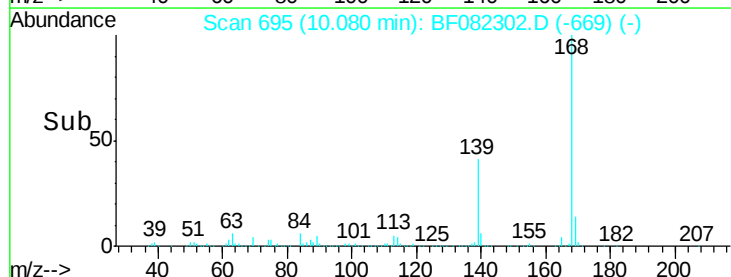
169 13.9 10.9 16.3

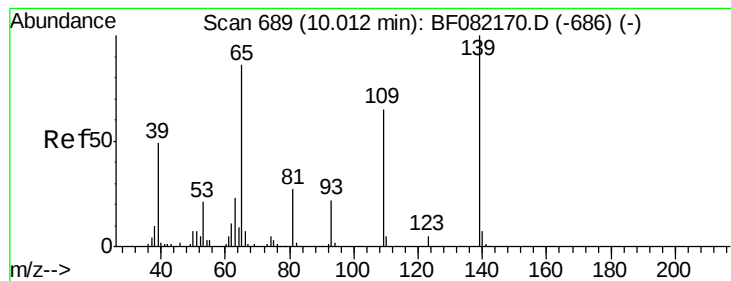


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 113.00 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.07 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

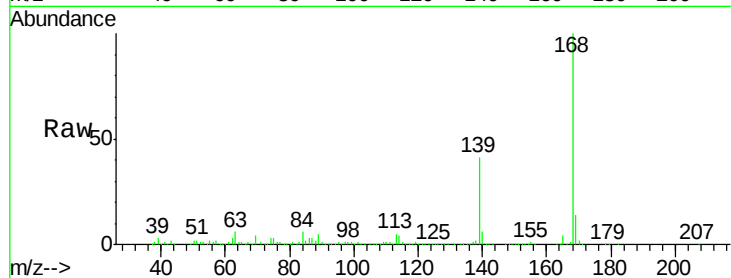
Tot Ion:139 Resp: 229621

Ion Ratio Lower Upper

139 100

109 2.1 44.8 84.8#

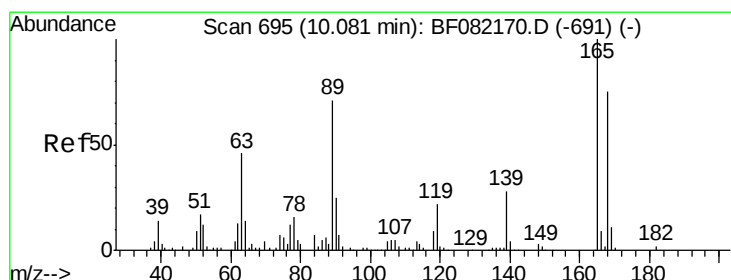
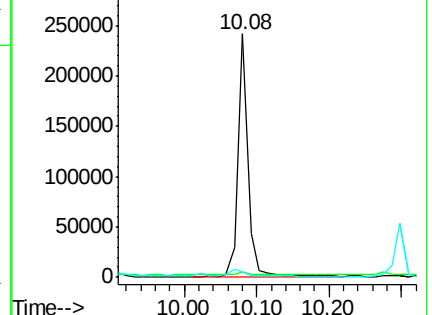
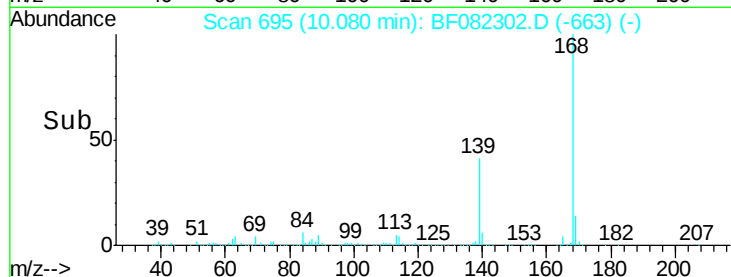
65 2.2 67.7 107.7#



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



#56

2,4-Dinitrotoluene

Concen: 49.58 ng

RT: 10.07 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Tgt Ion:165 Resp: 138054

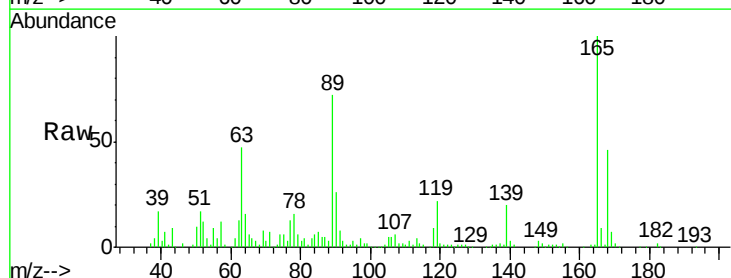
Ion Ratio Lower Upper

165 100

63 47.3 38.6 58.0

89 71.9 57.0 85.6

182 2.3 1.8 2.6

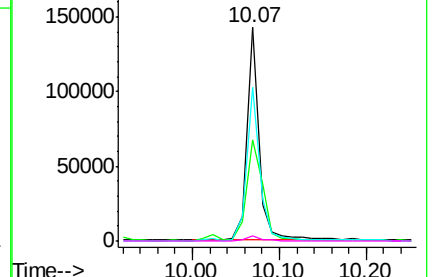
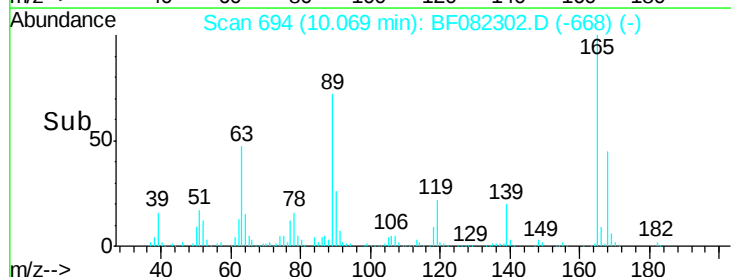


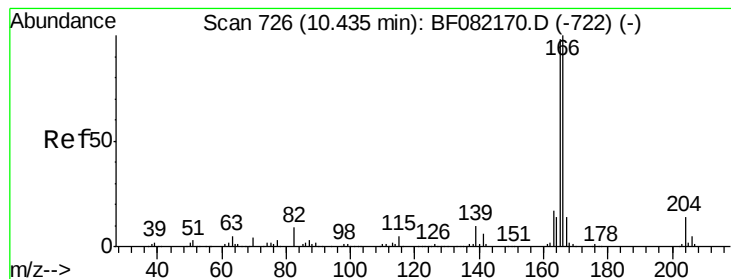
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 46.50 ng

RT: 10.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

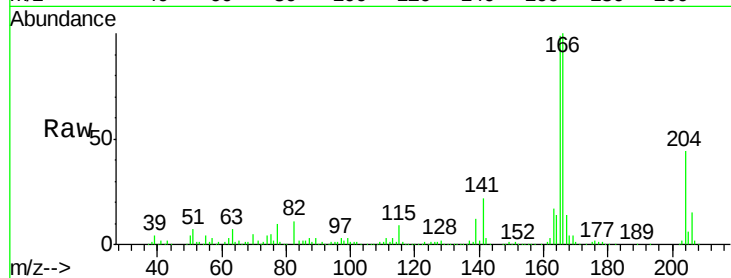
Tot Ion:166 Resp: 441343

Ion Ratio Lower Upper

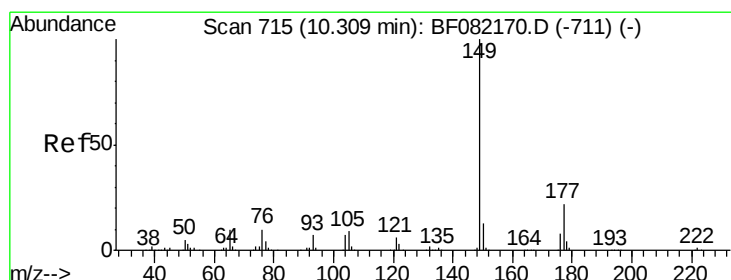
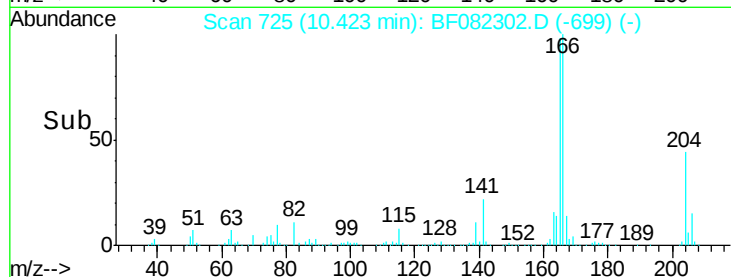
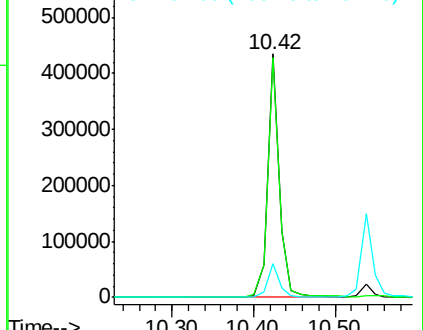
166 100

165 98.6 78.3 117.5

167 14.0 10.8 16.2



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



#59

Diethylphthalate

Concen: 51.06 ng

RT: 10.30 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

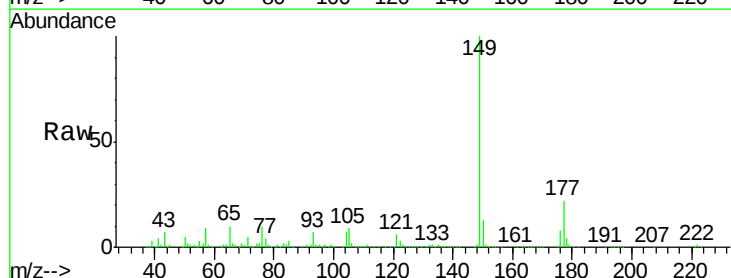
Tgt Ion:149 Resp: 502486

Ion Ratio Lower Upper

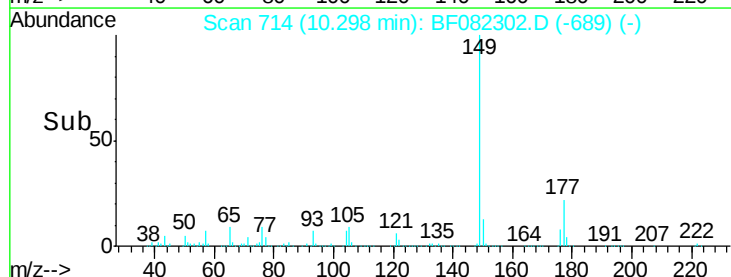
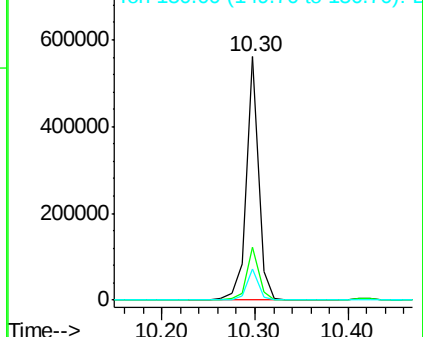
149 100

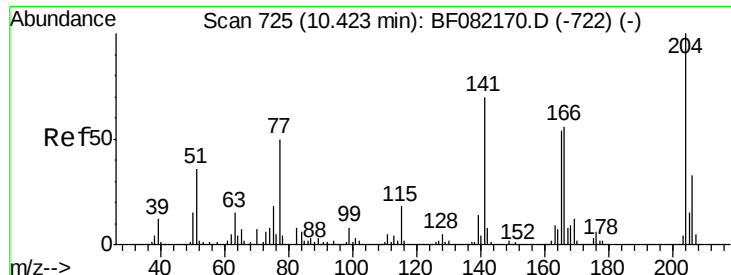
177 21.7 17.6 26.4

150 13.0 10.3 15.5



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

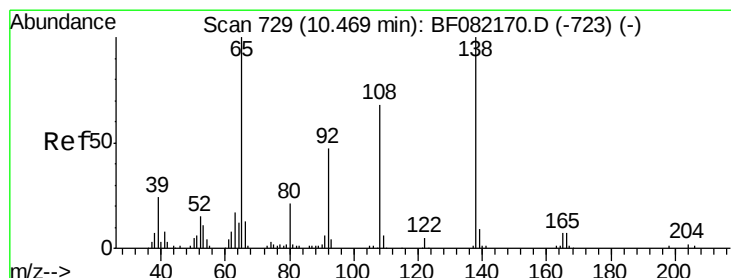
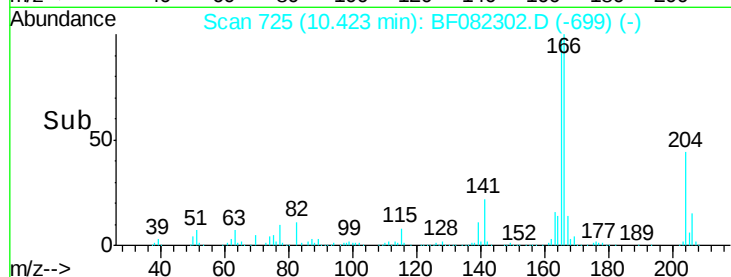
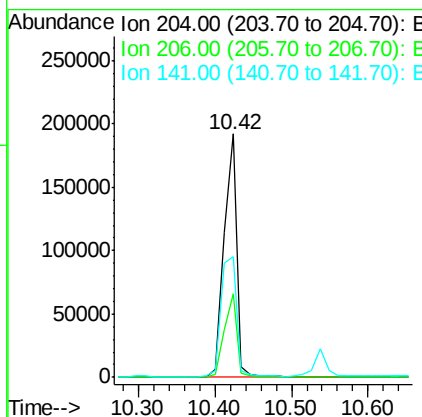
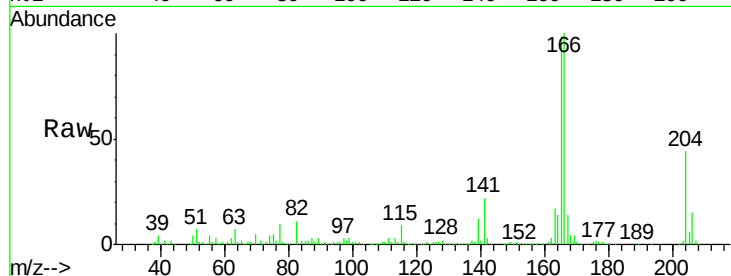




#60
4-Chlorophenyl-phenylether
Concen: 52.14 ng
RT: 10.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

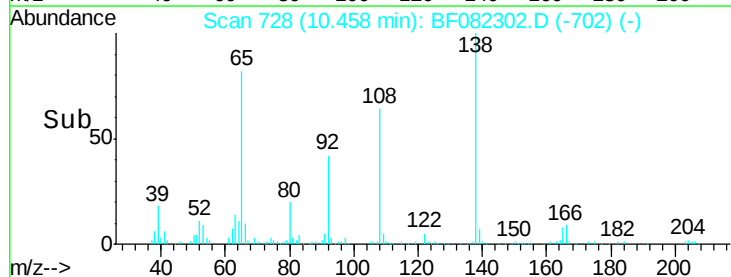
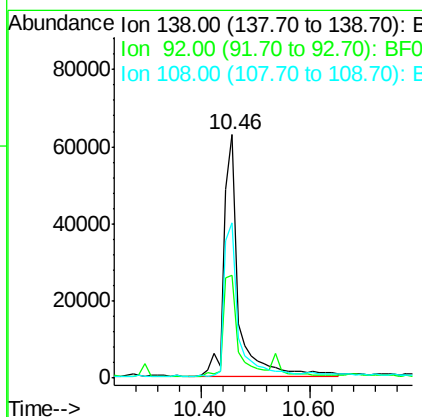
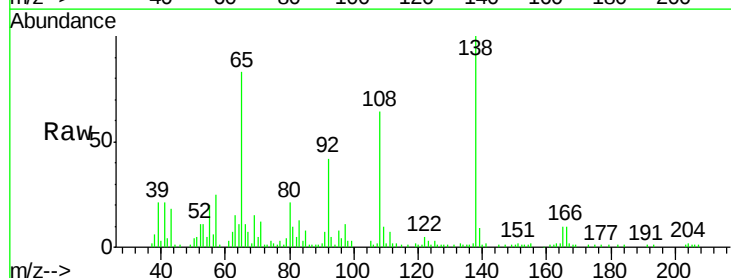
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

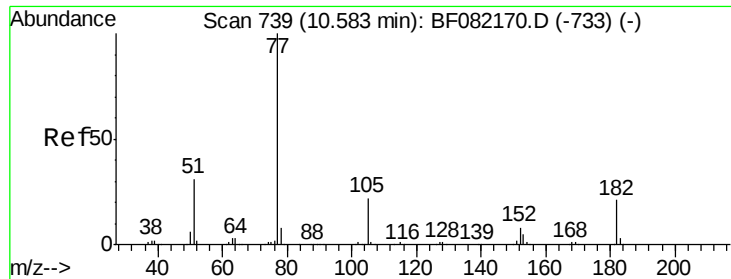
Tot Ion:204 Resp: 226692
Ion Ratio Lower Upper
204 100
206 34.4 26.8 40.2
141 49.6 56.1 84.1#



#61
4-Nitroaniline
Concen: 47.69 ng
RT: 10.46 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:138 Resp: 116393
Ion Ratio Lower Upper
138 100
92 42.1 26.8 66.8
108 63.8 48.4 88.4





#62

Azobenzene

Concen: 49.72 ng

RT: 10.58 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

Tot Ion: 77 Resp: 478935

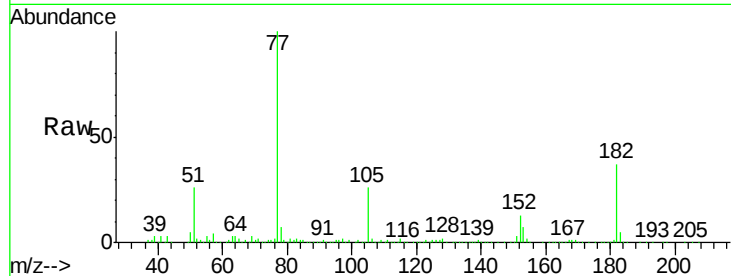
Ion Ratio Lower Upper

77 100

182 37.0 0.5 40.5

105 26.3 1.8 41.8

51 26.3 11.2 51.2

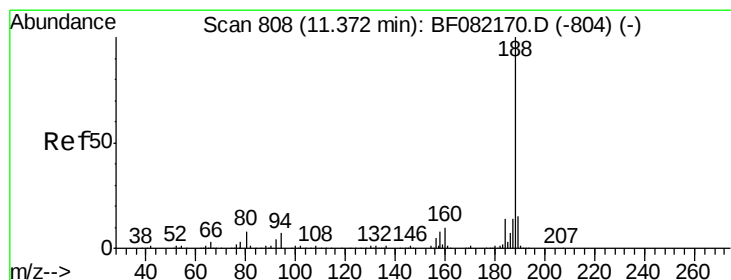
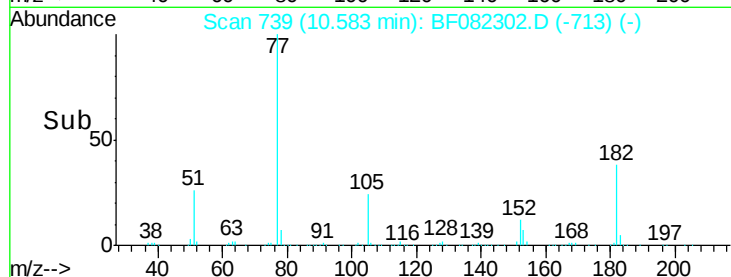
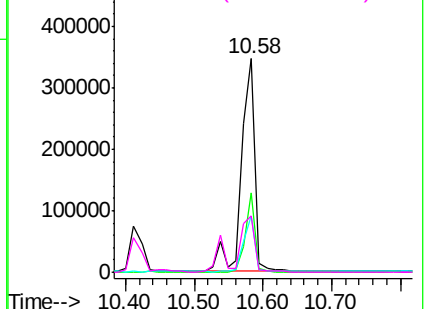


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.36 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

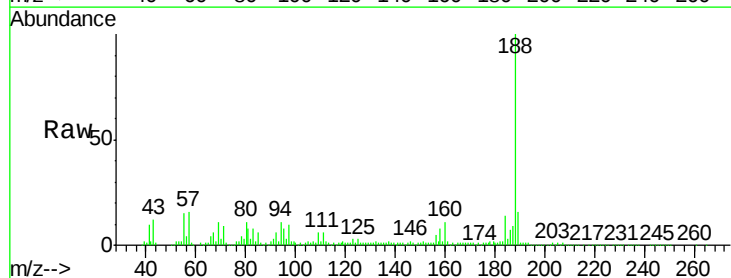
Tgt Ion: 188 Resp: 257335

Ion Ratio Lower Upper

188 100

94 10.6 5.8 8.6#

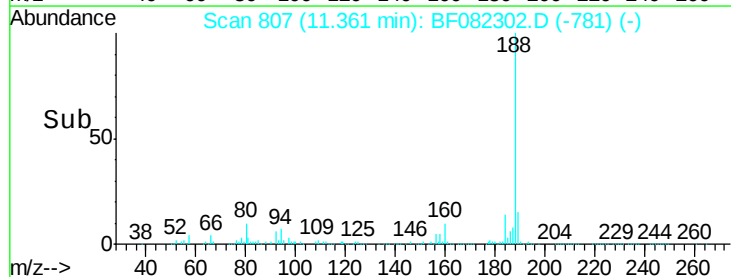
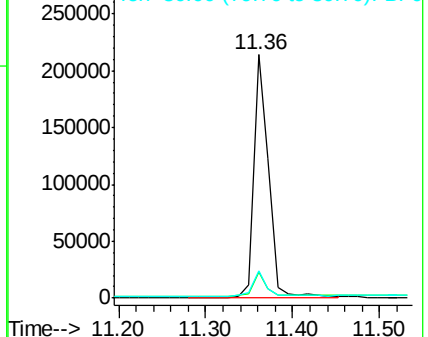
80 11.4 6.4 9.6#

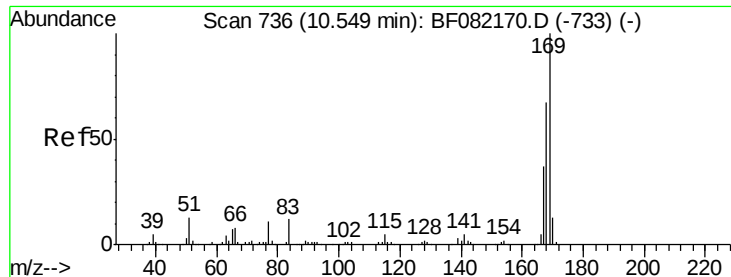


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 52.16 ng

RT: 10.54 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

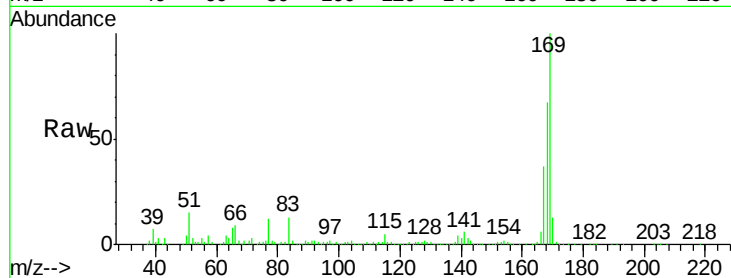
Tot Ion:169 Resp: 401892

Ion Ratio Lower Upper

169 100

168 67.5 54.0 81.0

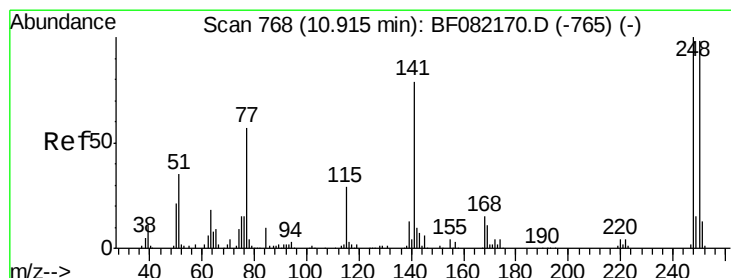
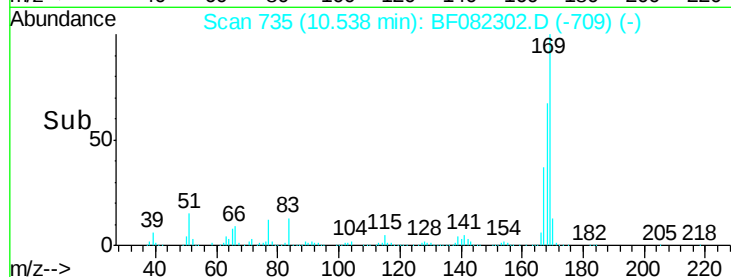
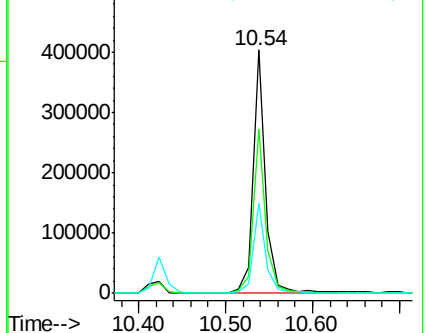
167 36.8 29.6 44.4



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: 54.24 ng

RT: 10.91 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

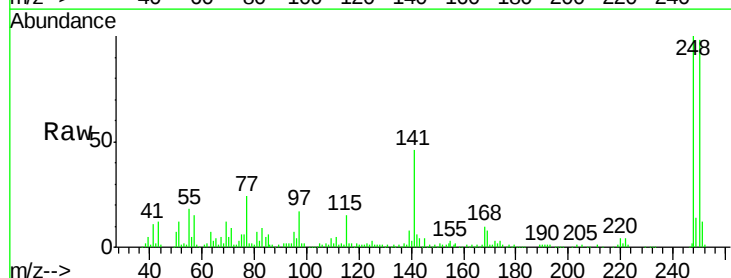
Tgt Ion:248 Resp: 139684

Ion Ratio Lower Upper

248 100

250 97.5 78.6 117.8

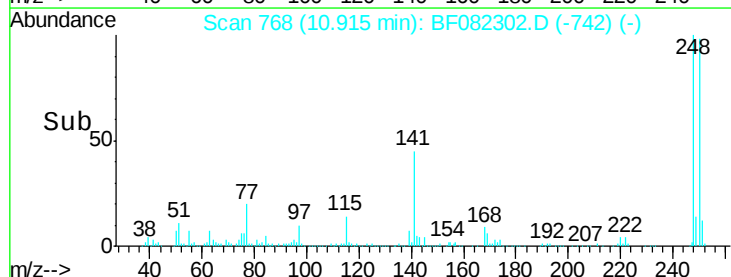
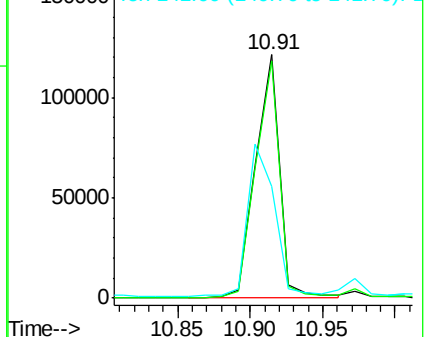
141 45.9 63.3 94.9#

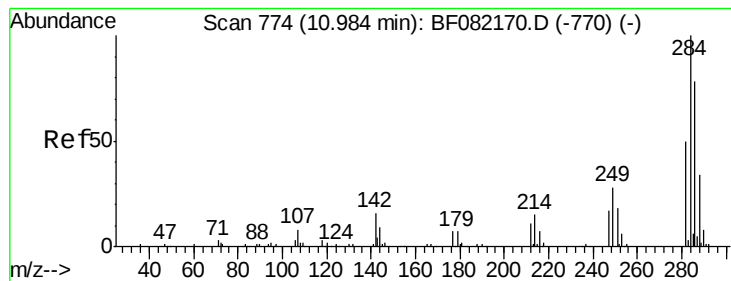


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.02 ng

RT: 10.97 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

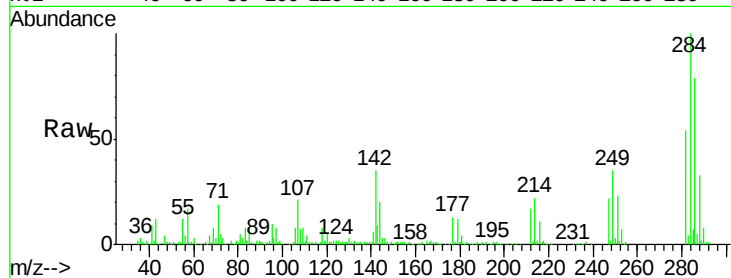
Tot Ion:284 Resp: 139328

Ion Ratio Lower Upper

284 100

142 35.2 13.0 19.6#

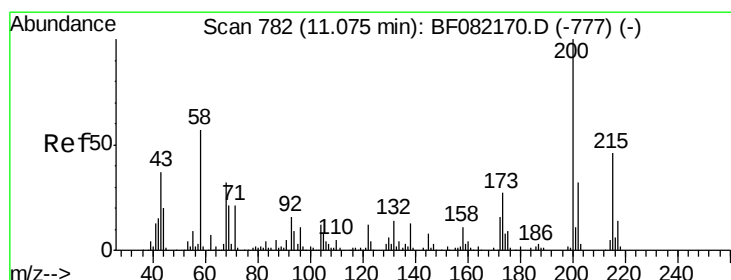
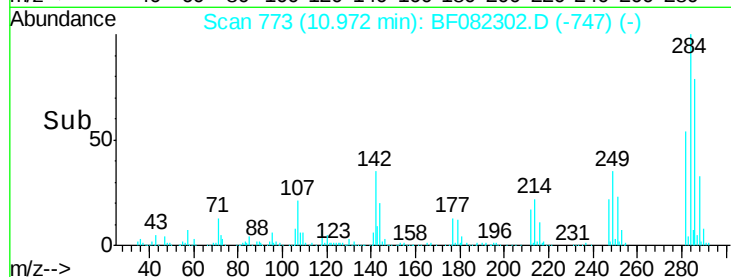
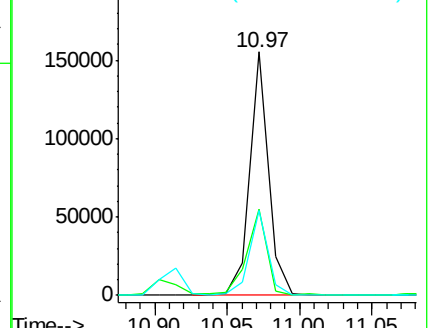
249 34.8 22.5 33.7#



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: 64.70 ng

RT: 11.07 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

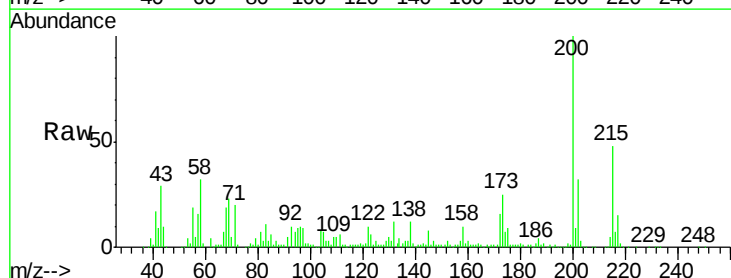
Tgt Ion:200 Resp: 157935

Ion Ratio Lower Upper

200 100

173 25.2 7.3 47.3

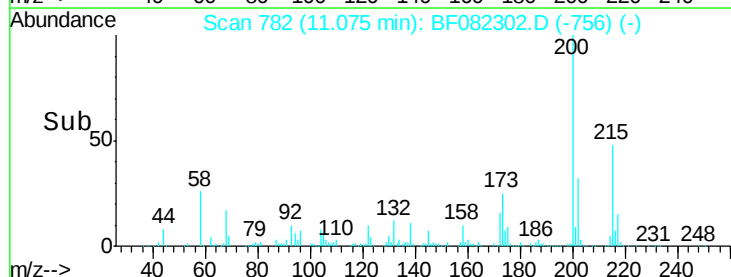
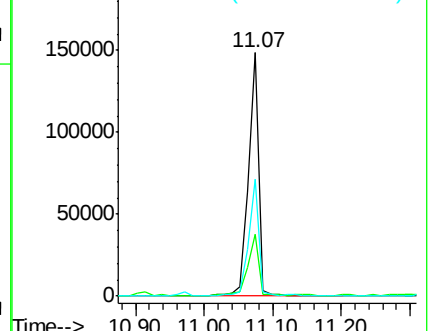
215 48.0 26.2 66.2

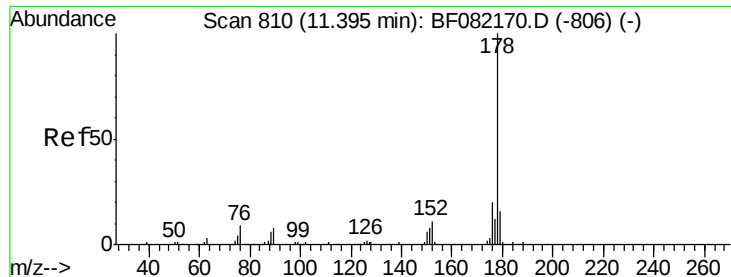


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

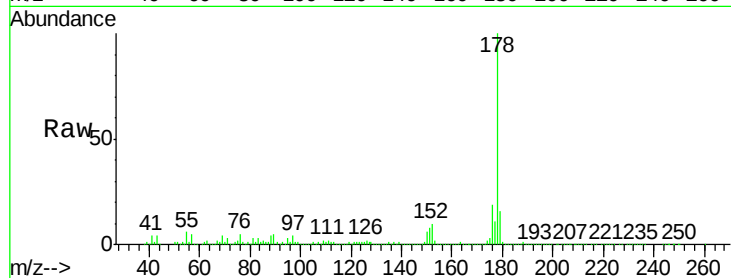




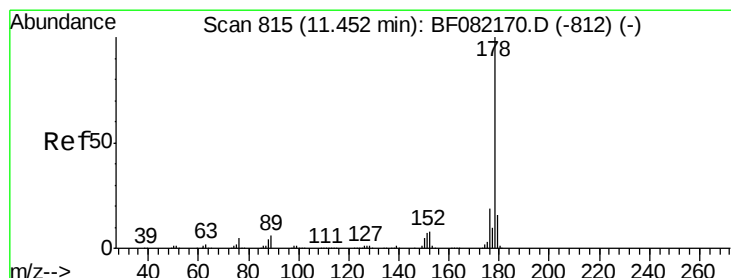
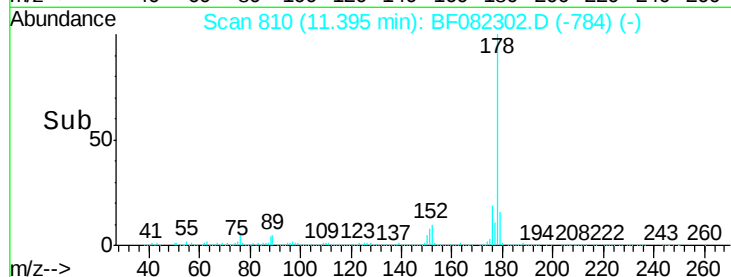
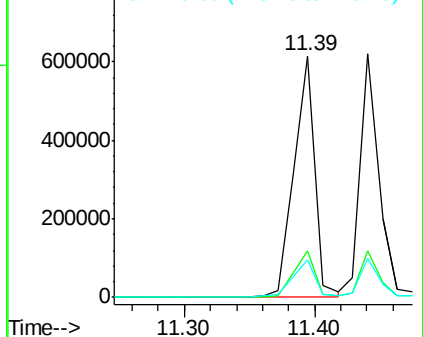
#70
Phenanthrene
Concen: 54.32 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampleId :
LF-1MSD

Tot Ion:178 Resp: 685129
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 12.6 19.0

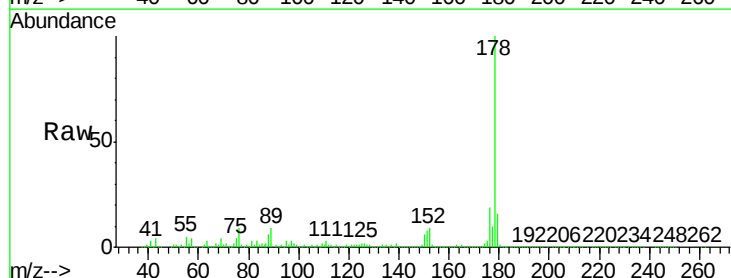


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

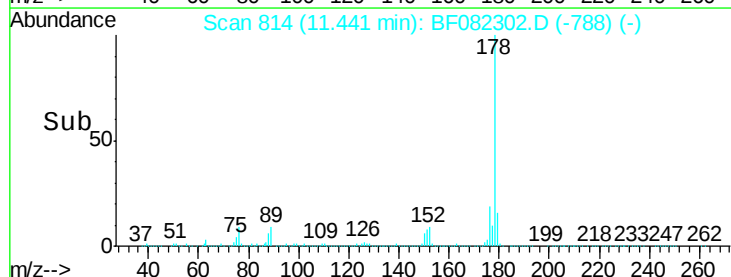
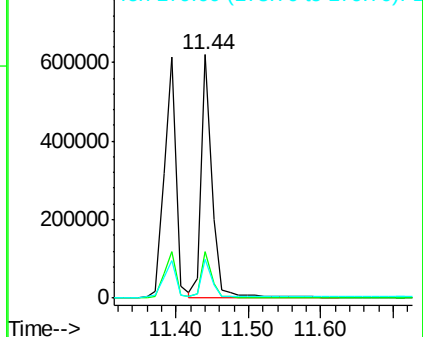


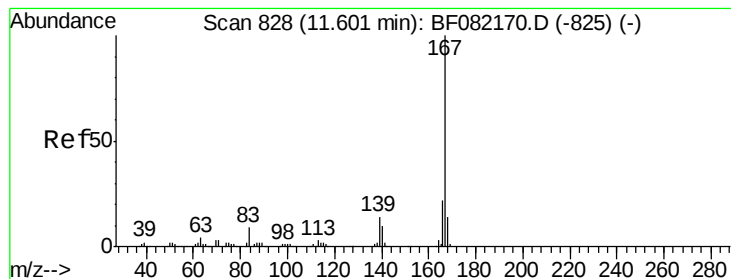
#71
Anthracene
Concen: 48.86 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:178 Resp: 635042
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.2 12.5 18.7



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





#72

Carbazole

Concen: 46.38 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

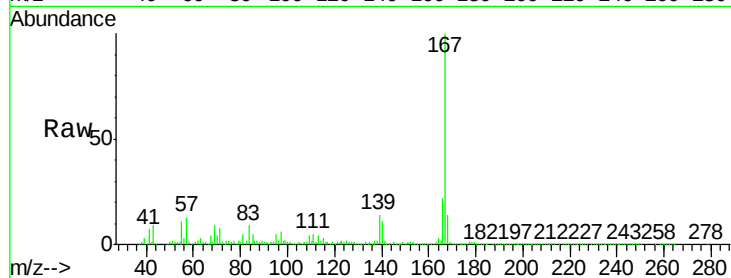
Tot Ion:167 Resp: 549888

Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

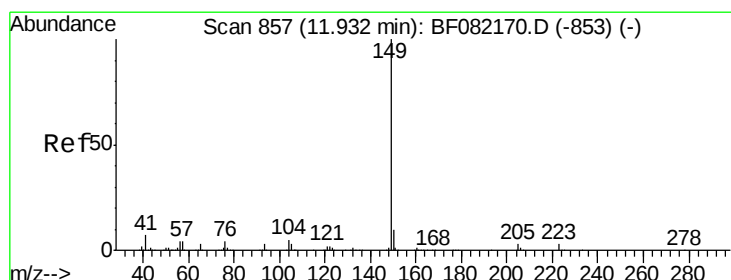
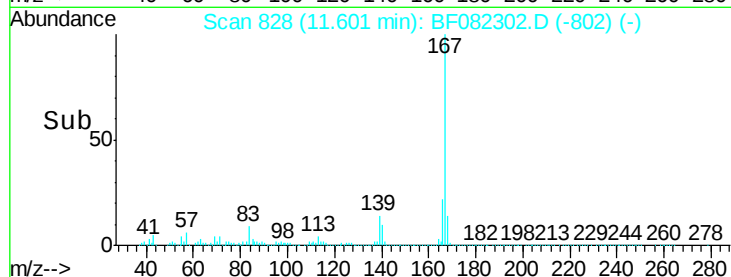
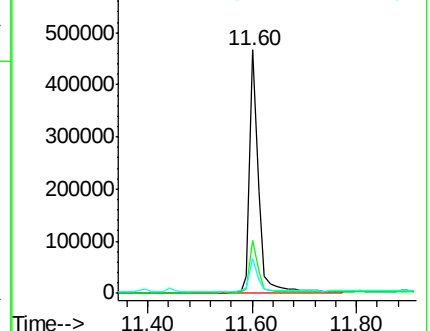
139 14.3 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 47.01 ng

RT: 11.93 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

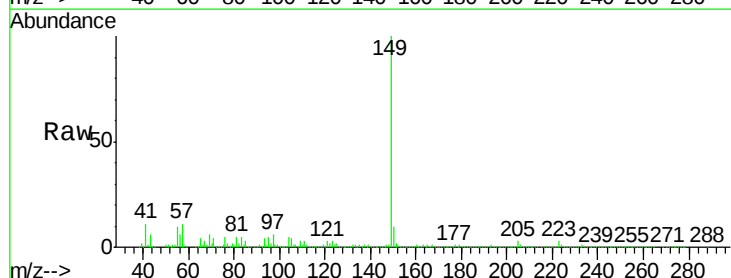
Tgt Ion:149 Resp: 687657

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

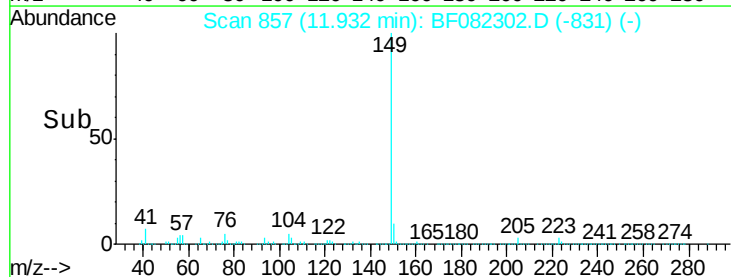
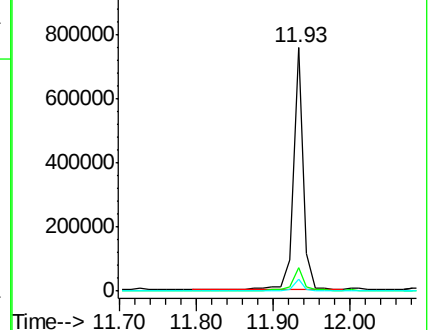
104 4.9 3.8 5.8

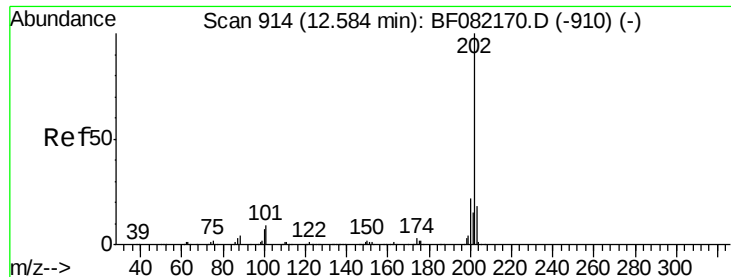


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

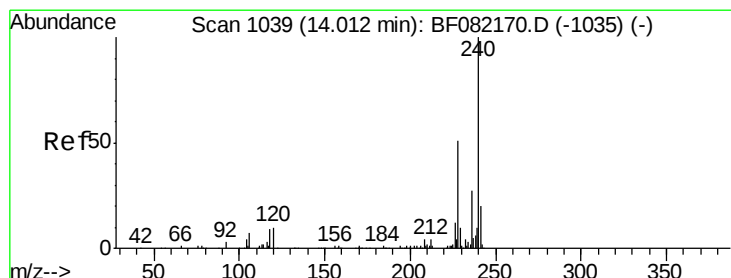
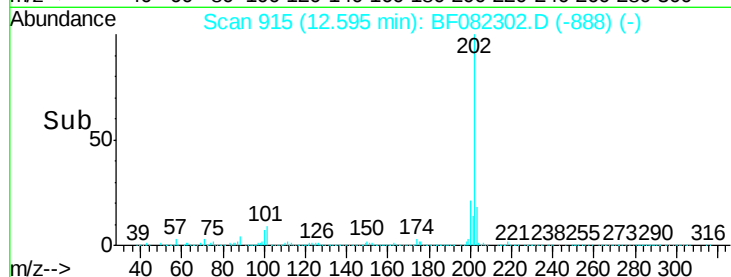
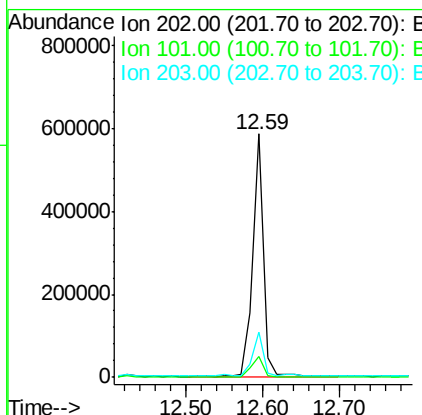
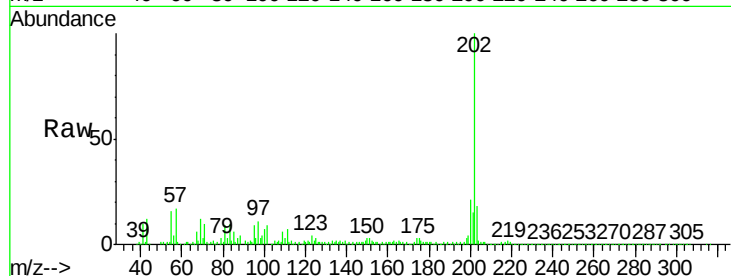




#74
 Fluoranthene
 Concen: 41.44 ng
 RT: 12.59 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

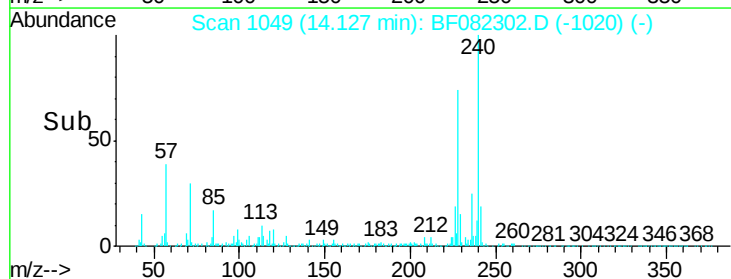
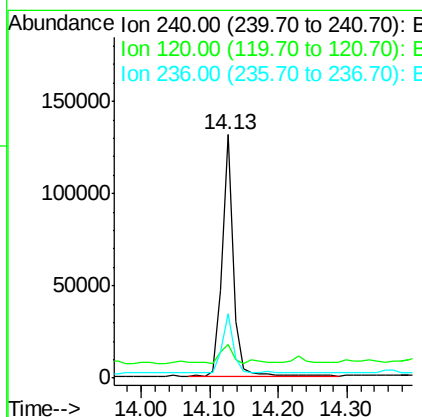
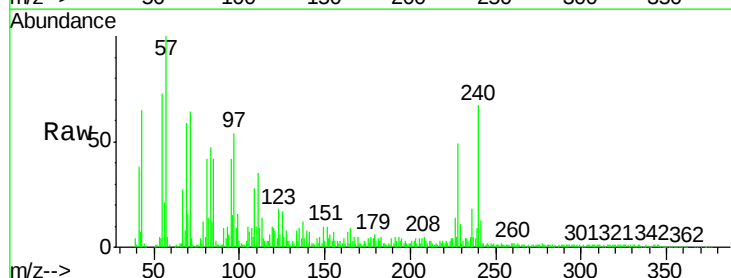
Instrument :
 BNA_F
 ClientSampleId :
 LF-1MSD

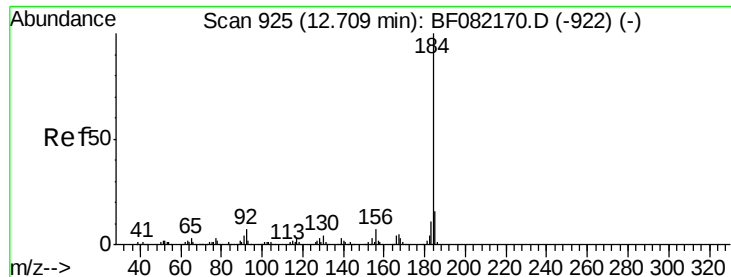
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	29.3
203	18.4	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1049
 Delta R.T. 0.03 min
 Lab File: BF082302.D
 Acq: 15 Oct 2015 11:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	8.1	12.1#
236	26.3	21.3	31.9

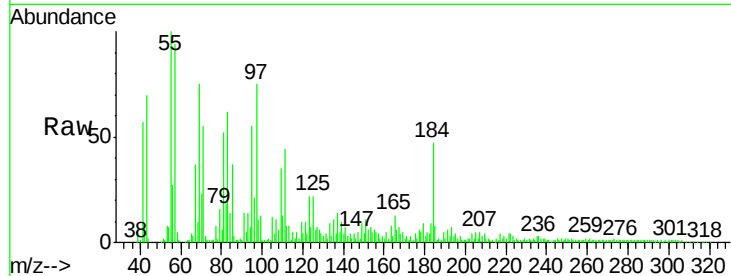




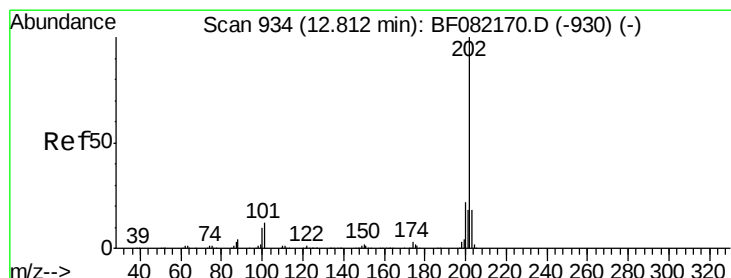
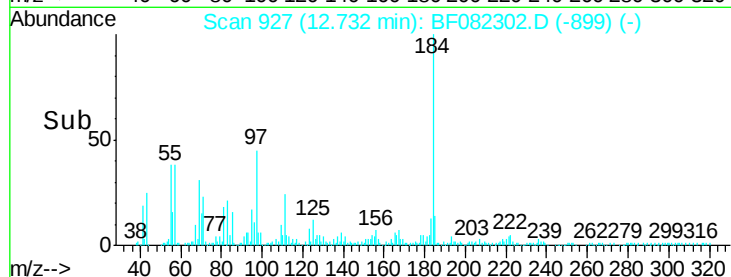
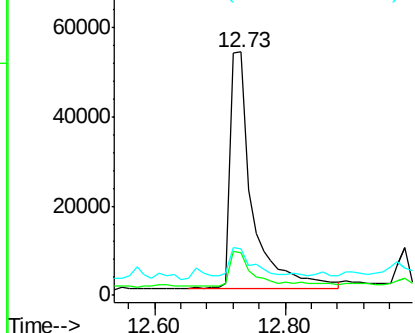
#76
Benzidine
Concen: 28.50 ng
RT: 12.73 min Scan# 927
Delta R.T. 0.02 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Instrument :
BNA_F
ClientSampleId :
LF-1MSD

Tot Ion:184 Resp: 124621
Ion Ratio Lower Upper
184 100
185 17.3 12.5 18.7
183 19.2 9.1 13.7#

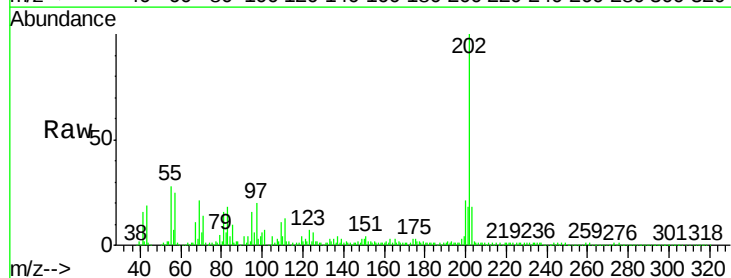


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

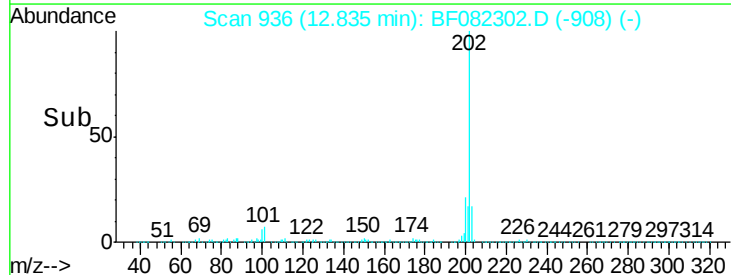
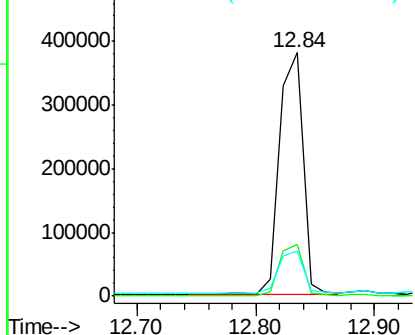


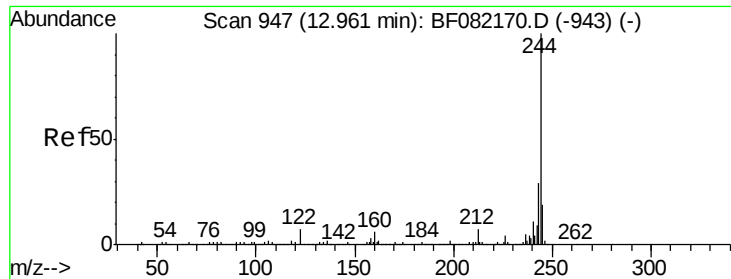
#77
Pyrene
Concen: 58.44 ng
RT: 12.84 min Scan# 936
Delta R.T. 0.02 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:202 Resp: 523343
Ion Ratio Lower Upper
202 100
200 21.2 17.9 26.9
203 18.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 123.23 ng

RT: 12.98 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

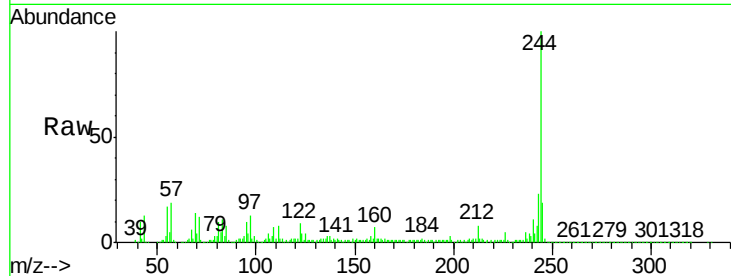
Tot Ion:244 Resp: 701747

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

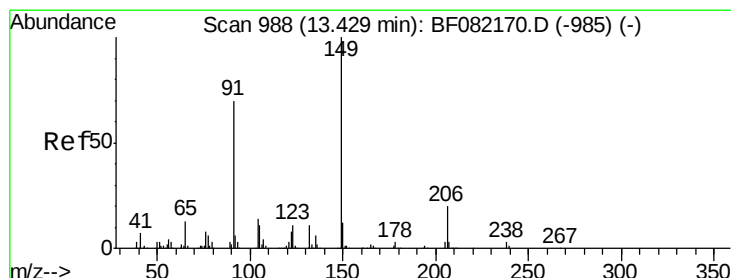
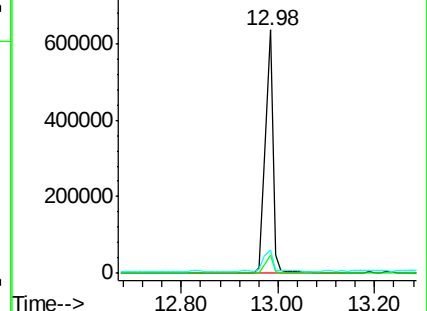
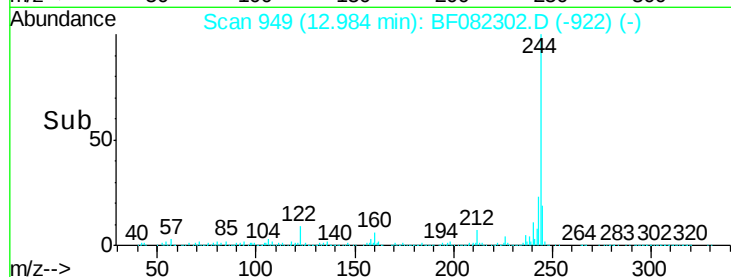
122 9.5 5.9 8.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 56.03 ng

RT: 13.49 min Scan# 993

Delta R.T. 0.02 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

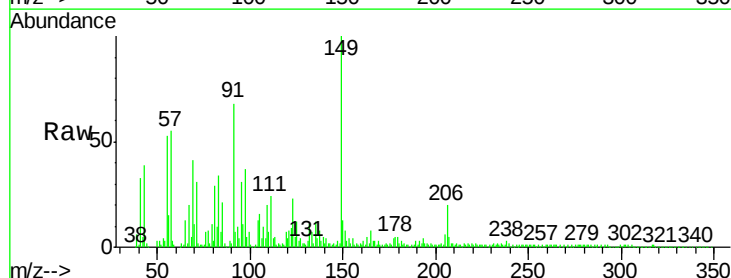
Tgt Ion:149 Resp: 229004

Ion Ratio Lower Upper

149 100

91 67.7 55.7 83.5

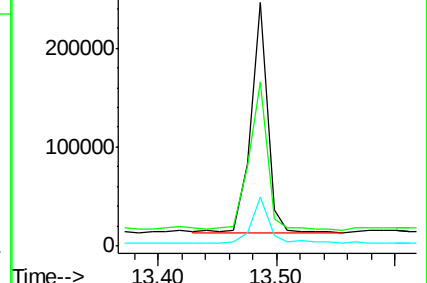
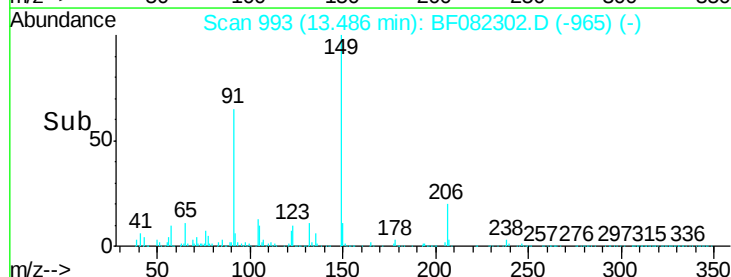
206 20.0 15.6 23.4

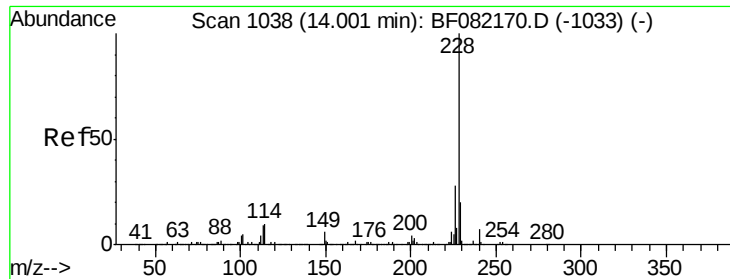


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 53.56 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

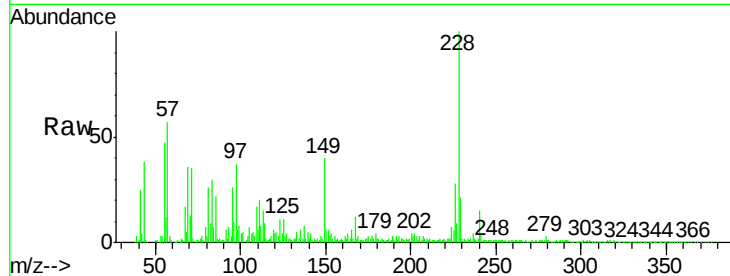
Tot Ion:228 Resp: 420550

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

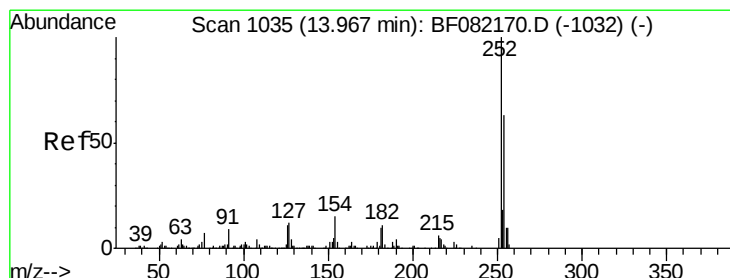
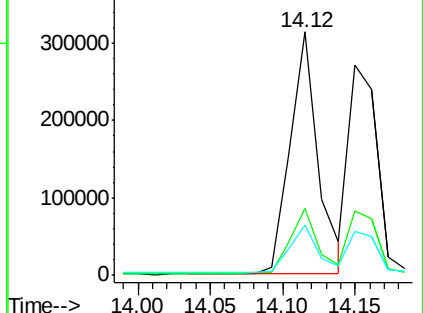
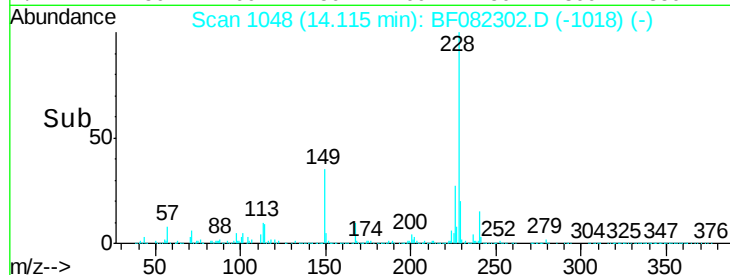
229 20.8 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 31.36 ng

RT: 14.08 min Scan# 1045

Delta R.T. 0.05 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

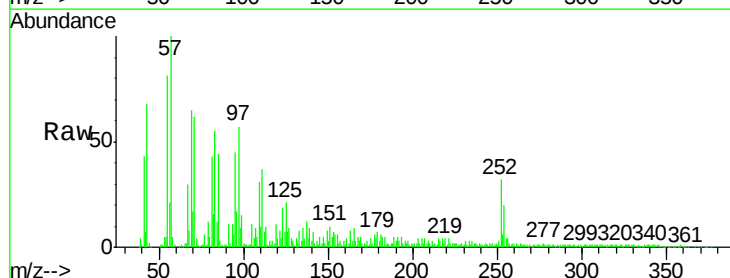
Tgt Ion:252 Resp: 93463

Ion Ratio Lower Upper

252 100

254 63.8 50.7 76.1

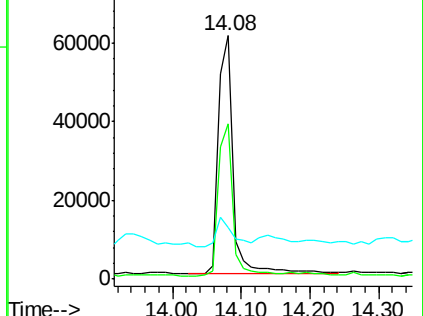
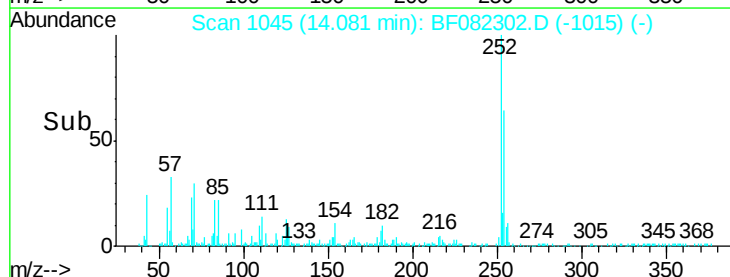
126 21.4 9.0 13.6#

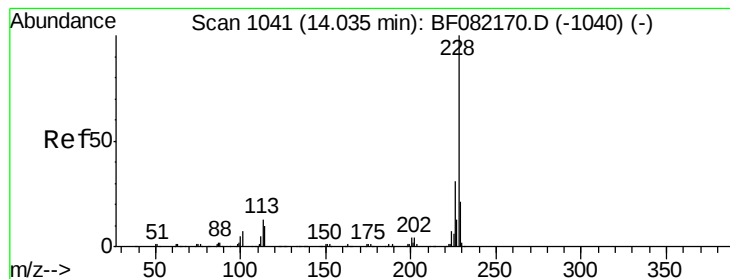


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 46.33 ng

RT: 14.15 min Scan# 1051

Delta R.T. 0.03 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

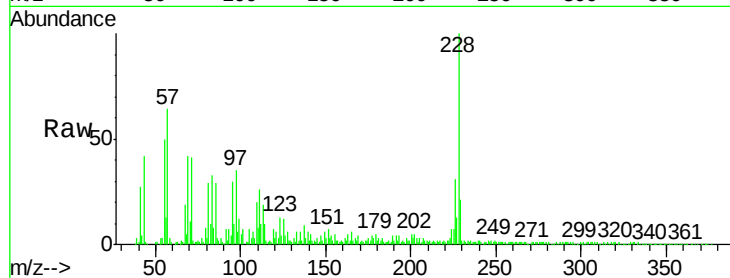
Tot Ion:228 Resp: 383251

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

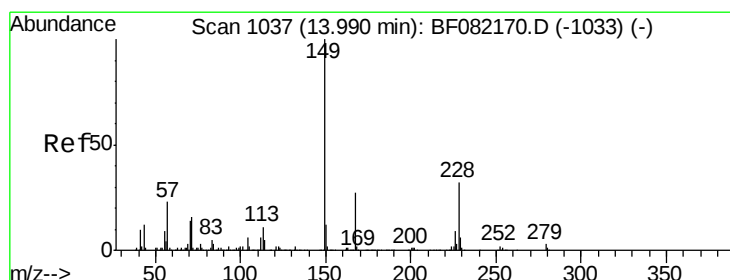
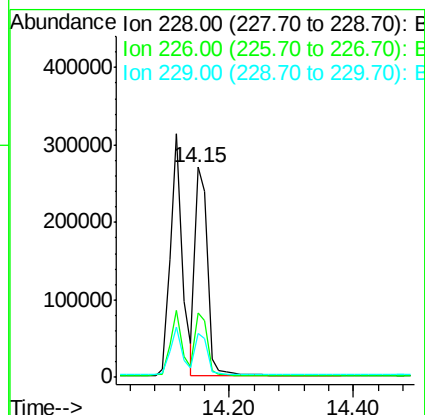
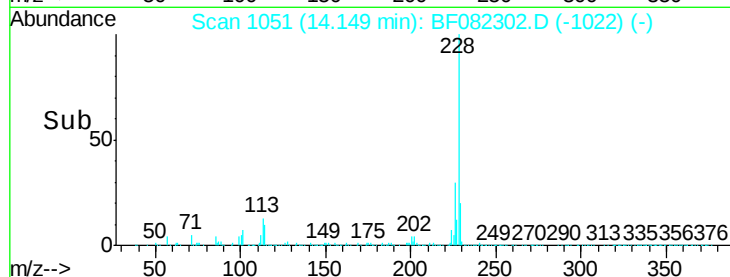
229 21.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 48.15 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.03 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

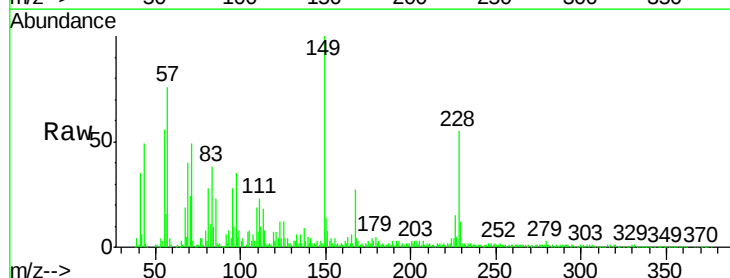
Tgt Ion:149 Resp: 280751

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

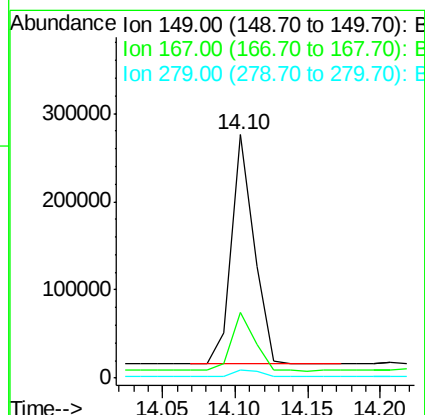
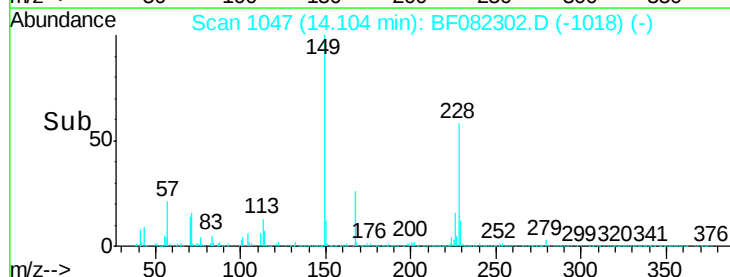
279 3.2 2.6 4.0

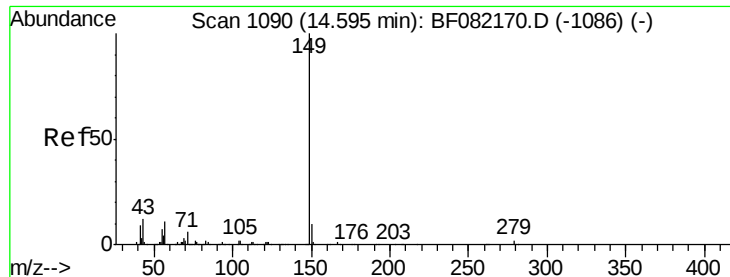


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 46.31 ng

RT: 14.82 min Scan# 1110

Delta R.T. 0.06 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

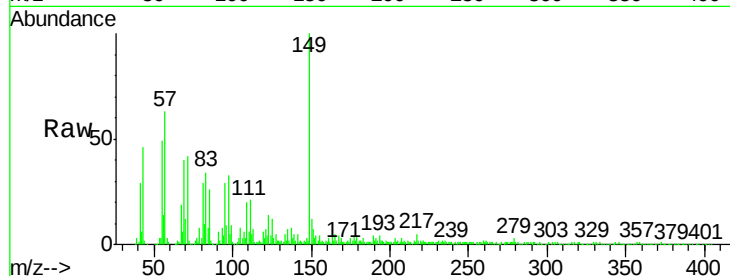
Tot Ion:149 Resp: 463757

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

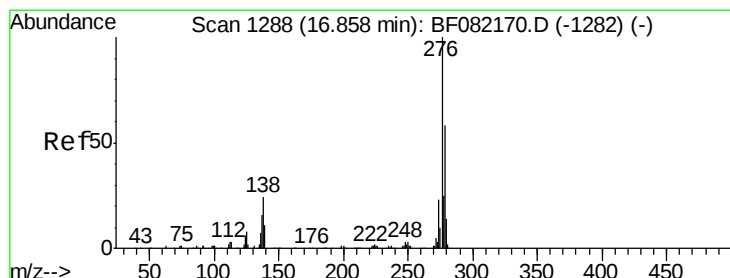
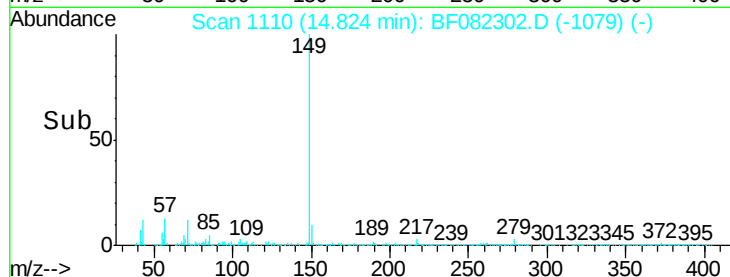
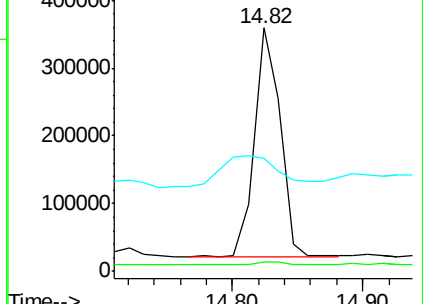
43 30.3 7.4 11.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 71.24 ng

RT: 17.25 min Scan# 1322

Delta R.T. 0.14 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

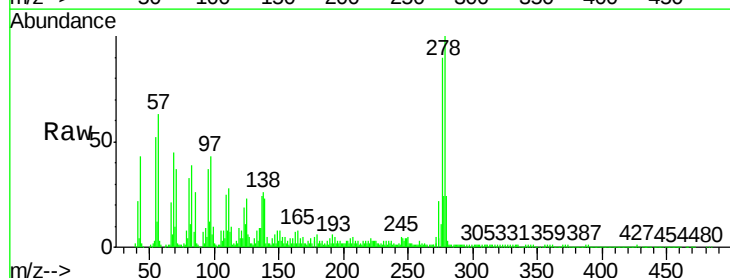
Tgt Ion:276 Resp: 468433

Ion Ratio Lower Upper

276 100

138 22.8 19.7 29.5

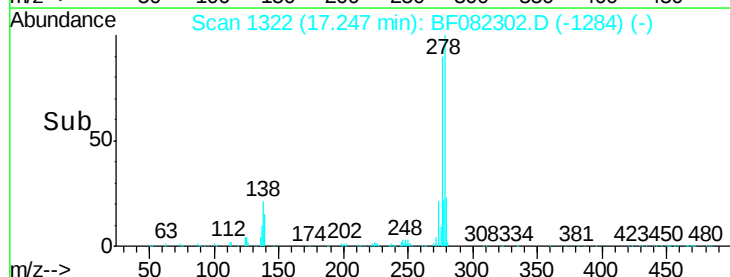
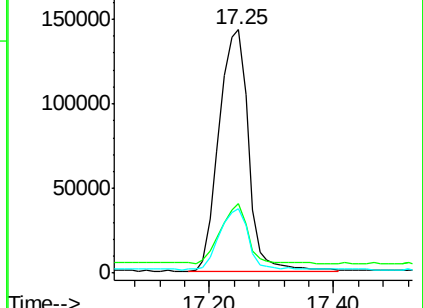
277 24.3 20.1 30.1

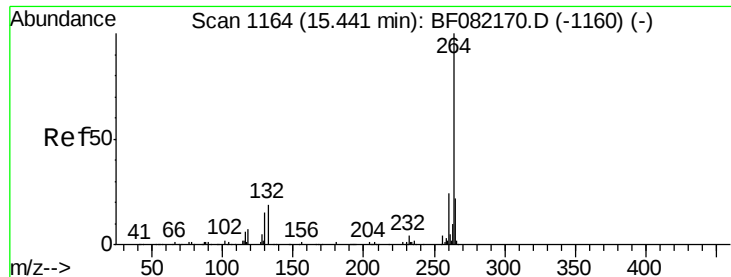


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

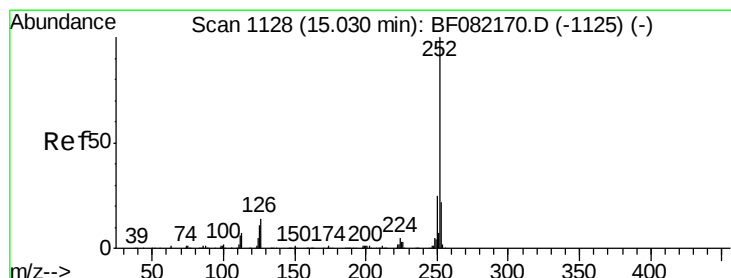
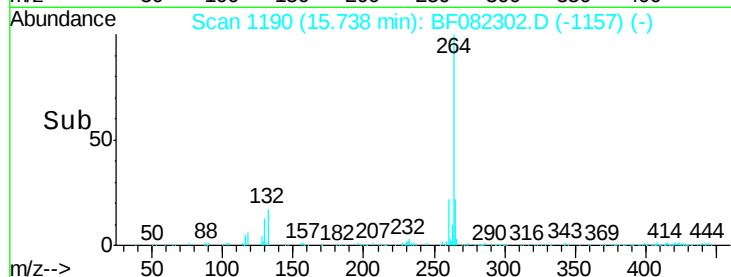
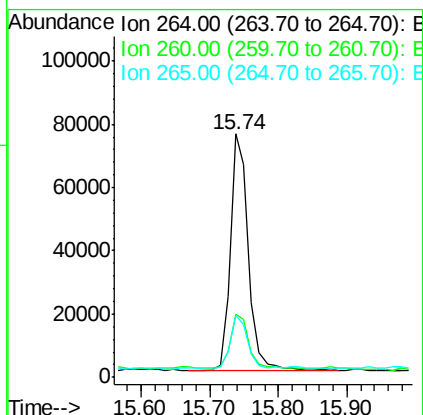
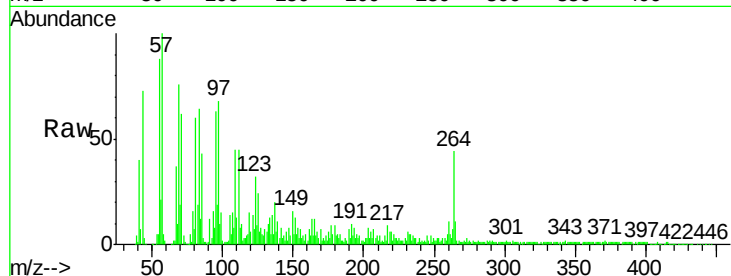




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.74 min Scan# 1190
Delta R.T. 0.08 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

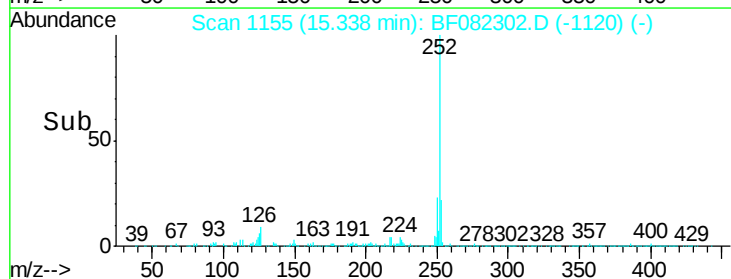
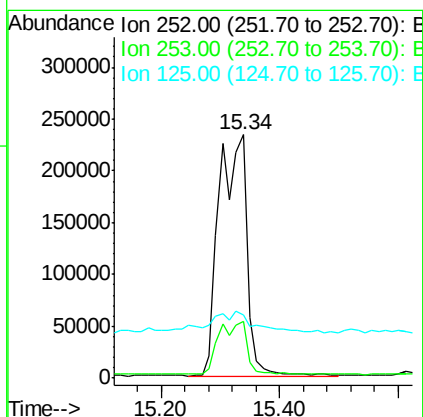
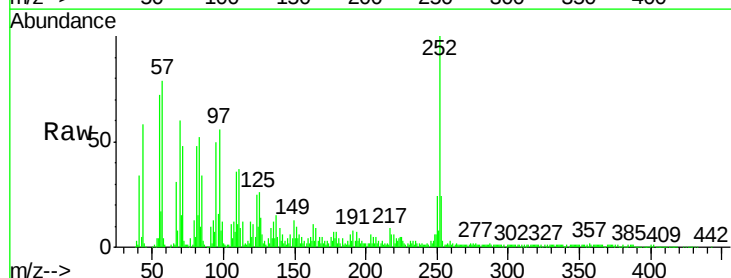
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

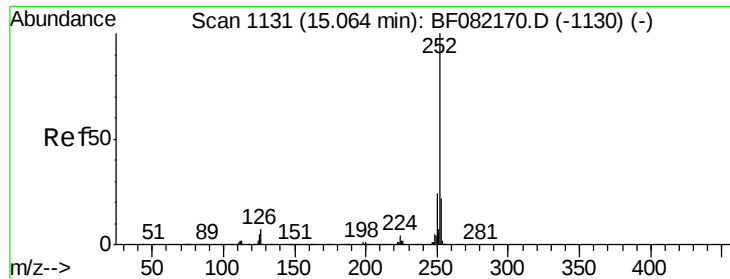
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.0	28.6
265	25.5	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 90.14 ng
RT: 15.34 min Scan# 1155
Delta R.T. 0.10 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	25.8	8.6	12.8

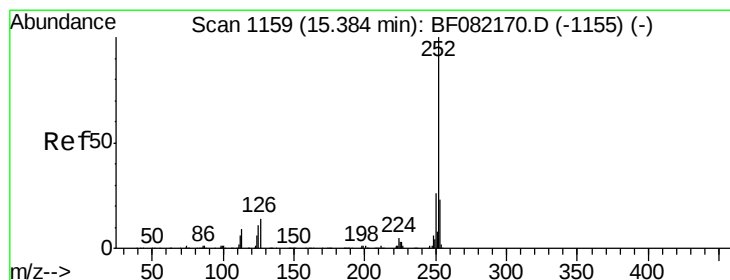
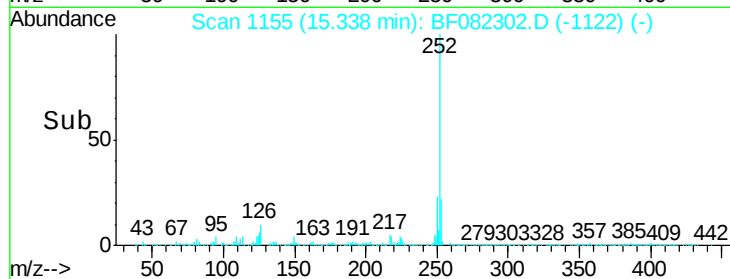
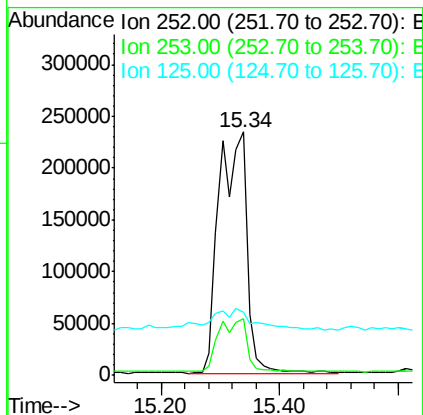
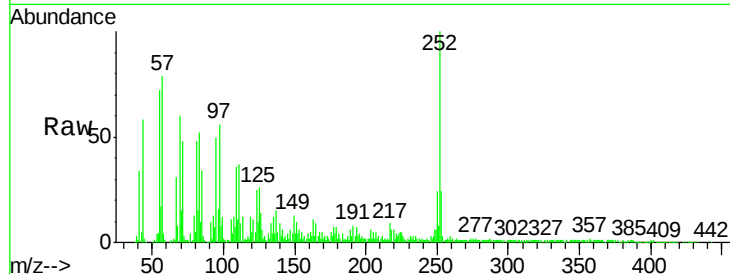




#88
Benzo(k)fluoranthene
Concen: 107.24 ng
RT: 15.34 min Scan# 1155
Delta R.T. 0.08 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

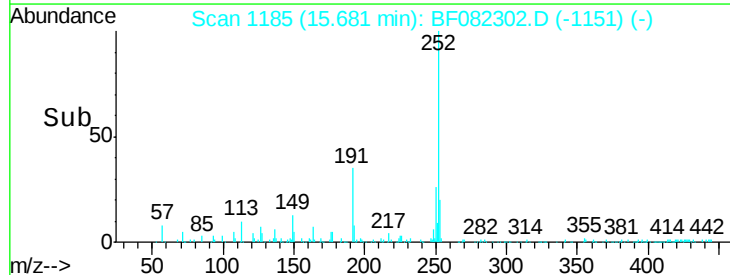
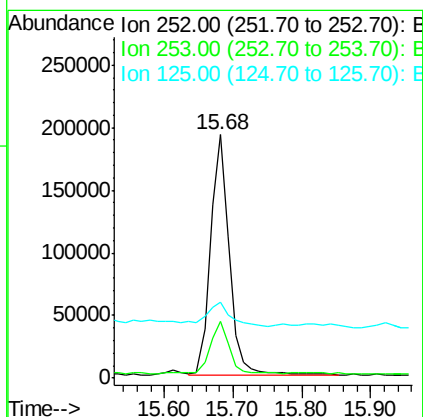
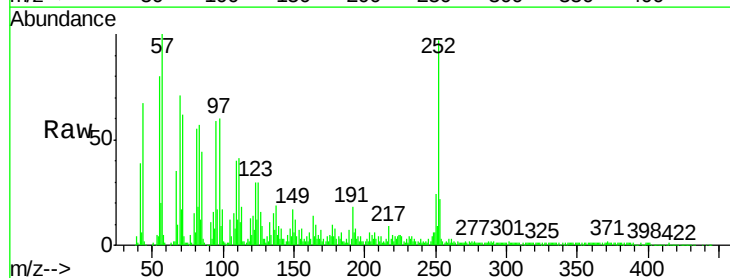
Instrument :
BNA_F
ClientSampleId :
LF-1MSD

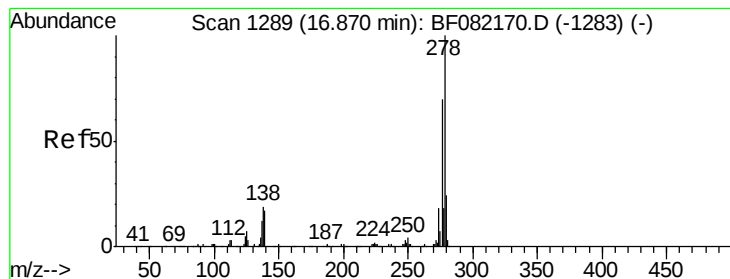
Tot Ion:252 Resp: 753216
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 25.8 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 50.88 ng
RT: 15.68 min Scan# 1185
Delta R.T. 0.09 min
Lab File: BF082302.D
Acq: 15 Oct 2015 11:50

Tgt Ion:252 Resp: 365355
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 31.1 8.9 13.3#





#90

Dibenzo(a,h)anthracene

Concen: 66.84 ng

RT: 17.25 min Scan# 1322

Delta R.T. 0.13 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

Instrument :

BNA_F

ClientSampleId :

LF-1MSD

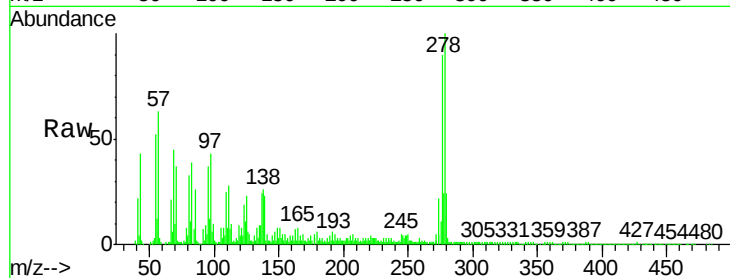
Tot Ion:278 Resp: 393361

Ion Ratio Lower Upper

278 100

139 23.1 13.3 19.9#

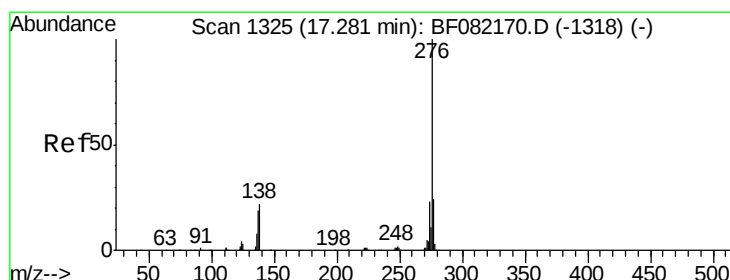
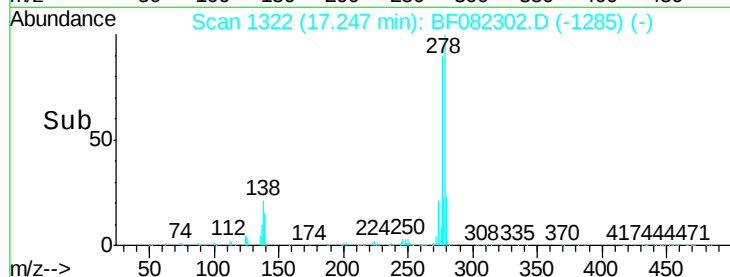
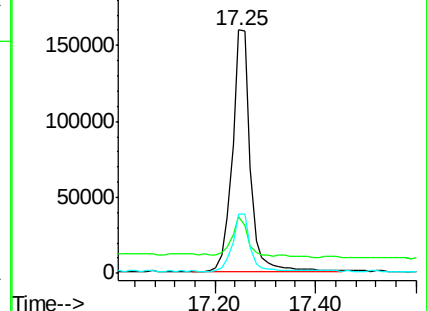
279 24.3 18.9 28.3



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: 68.66 ng

RT: 17.68 min Scan# 1360

Delta R.T. 0.14 min

Lab File: BF082302.D

Acq: 15 Oct 2015 11:50

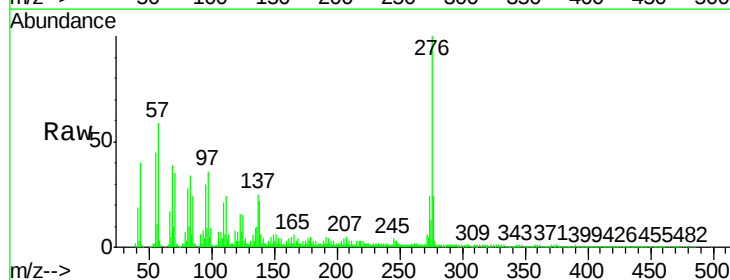
Tgt Ion:276 Resp: 392508

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 22.0 17.4 26.2



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

