

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100515\
 Data File : BF082066.D
 Acq On : 6 Oct 2015 2:01
 Operator : UM/IZ
 Sample : G3891-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-24)

Quant Time: Oct 06 03:07:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	106470	20.00	ng	0.01
21) Naphthalene-d8	8.18	136	328148	20.00	ng	0.01
38) Acenaphthene-d10	9.94	164	148458	20.00	ng	0.01
63) Phenanthrene-d10	11.43	188	248677	20.00	ng	0.01
75) Chrysene-d12	14.08	240	183813	20.00	ng	0.02
86) Perylene-d12	15.56	264	138282	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	666787	113.69	ng	0.02
7) Phenol-d6	6.53	99	848846	115.02	ng	0.01
23) Nitrobenzene-d5	7.45	82	457419	92.92	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	154682	102.88	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	726803	81.21	ng	0.01
78) Terphenyl-d14	13.02	244	586327	113.13	ng	0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.41	77	10977	2.27	ng	# 4
15) Benzyl Alcohol	7.04	79	24705	4.64	ng	# 45
18) Hexachloroethane	7.46	117	87638	35.04	ng	# 43
19) n-Nitroso-di-n-propylamine	7.31	70	28592	6.37	ng	# 46
20) 3+4-Methylphenols	7.30	107	14018	2.11	ng	# 1
22) Acetophenone	7.28	105	22761	3.39	ng	# 35
24) Nitrobenzene	7.46	77	12761	2.39	ng	# 54
25) Isophorone	7.70	82	40578	4.16	ng	# 1
26) 2-Nitrophenol	7.79	139	6956	2.71	ng	# 1
27) 2,4-Dimethylphenol	7.83	122	26149	5.79	ng	# 1
28) bis(2-Chloroethoxy)methane	7.97	93	35273	6.09	ng	# 1
31) Naphthalene	8.23	128	33203	2.28	ng	# 1
32) Benzoic acid	7.97	122	14114	11.77	ng	# 15
35) Caprolactam	8.61	113	76794	63.38	ng	# 12
36) 4-Chloro-3-methylphenol	8.71	107	27003	6.31	ng	# 16
49) Dimethylphthalate	9.66	163	153937	15.02	ng	# 94
50) 2,6-Dinitrotoluene	9.70	165	13355	6.00	ng	# 58
52) 3-Nitroaniline	9.89	138	12457	4.84	ng	# 40
53) 2,4-Dinitrophenol	10.00	184	440	Below Cal		# 1
55) 4-Nitrophenol	10.05	139	6205	3.34	ng	# 1
56) 2,4-Dinitrotoluene	10.14	165	5703	2.01	ng	# 70
57) Fluorene	10.48	166	4802	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.58	198	1641	2.93	ng	# 1
65) n-Nitrosodiphenylamine	10.85	169	21519	2.86	ng	92
70) Phenanthrene	11.45	178	71228	4.45	ng	# 85
73) Di-n-butylphthalate	11.99	149	14773	Below Cal		# 44
74) Fluoranthene	12.64	202	114529	8.60	ng	87
77) Pyrene	12.87	202	98451	8.97	ng	# 88
80) Benzo(a)anthracene	14.07	228	53070	5.36	ng	# 65
82) Chrysene	14.07	228	53070	4.99	ng	# 67
85) Indeno(1,2,3-cd)pyrene	16.98	276	28005	3.62	ng	# 81
87) Benzo(b)fluoranthene	15.12	252	81476	10.32	ng	# 57
88) Benzo(k)fluoranthene	15.12	252	81476	11.26	ng	# 54
89) Benzo(a)pyrene	15.49	252	37478	5.47	ng	# 51

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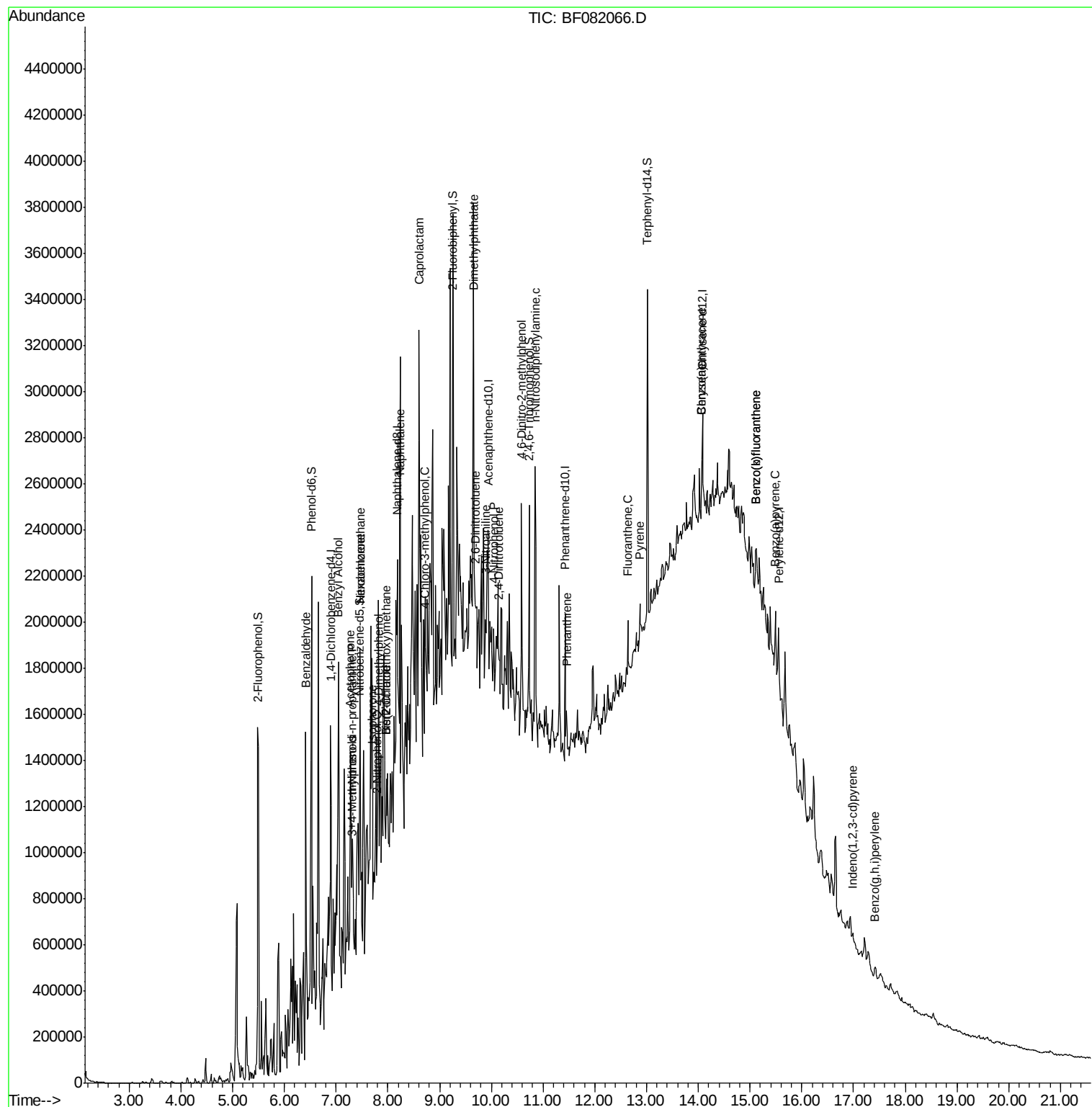
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	17.42	276	26695	4.53	ng	# 81

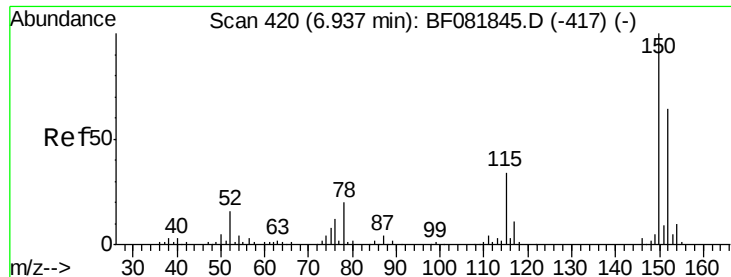
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Instrument :

BNA_F

ClientSampleId :

SS-8(0-24)

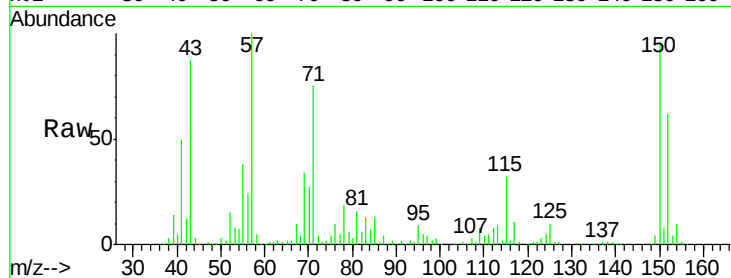
Tgt Ion:152 Resp: 106470

Ion Ratio Lower Upper

152 100

150 154.7 124.7 187.1

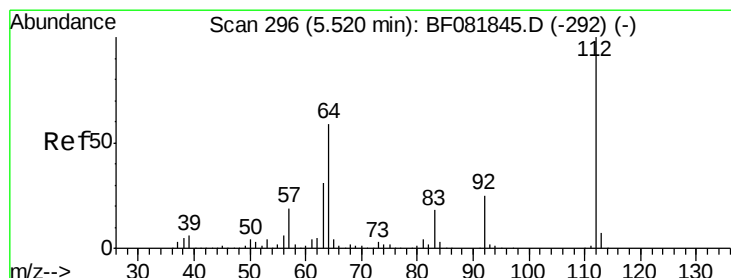
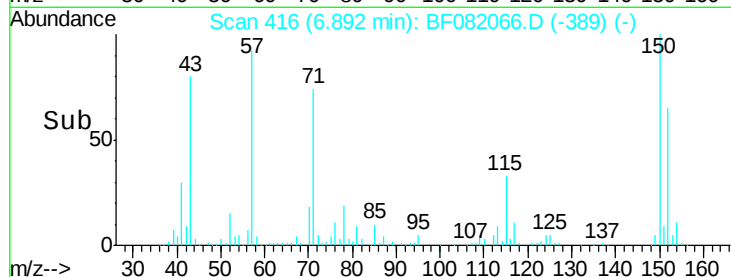
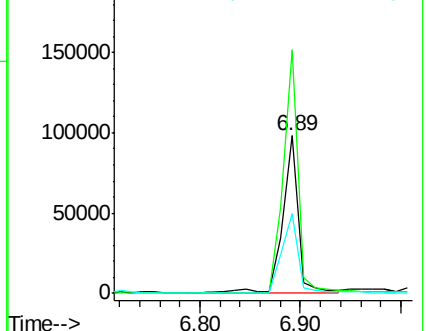
115 50.8 39.0 58.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.69 ng

RT: 5.50 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

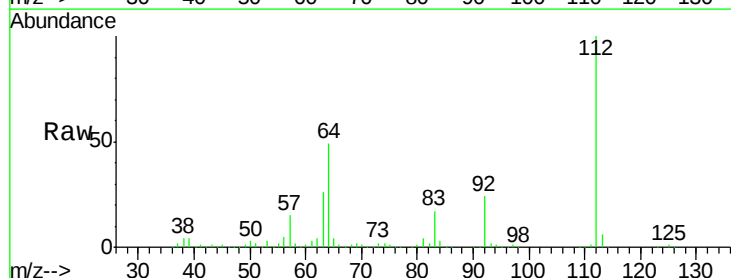
Tgt Ion:112 Resp: 666787

Ion Ratio Lower Upper

112 100

64 48.7 39.7 59.5

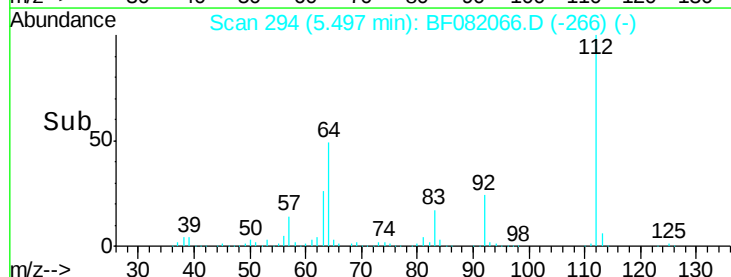
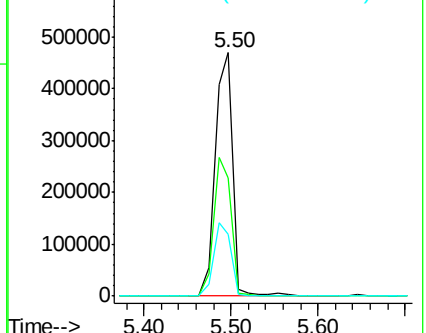
63 25.6 17.4 26.0

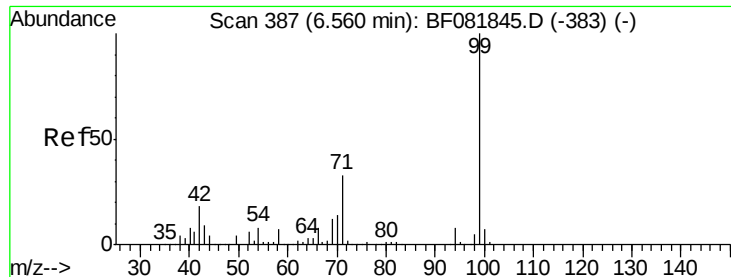


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.02 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Instrument :

BNA_F

ClientSampleId :

SS-8(0-24)

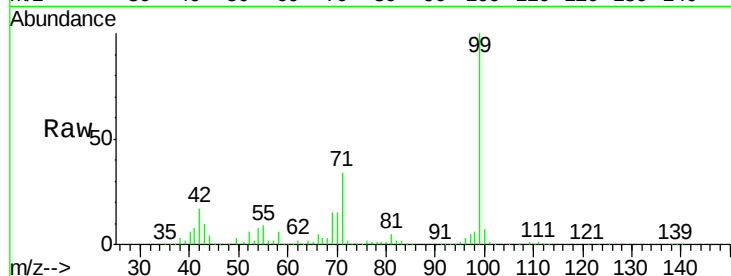
Tgt Ion: 99 Resp: 848846

Ion Ratio Lower Upper

99 100

42 16.7 13.7 20.5

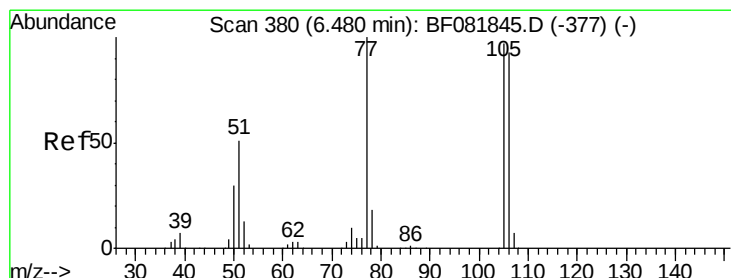
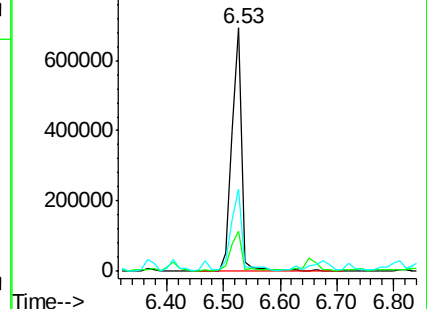
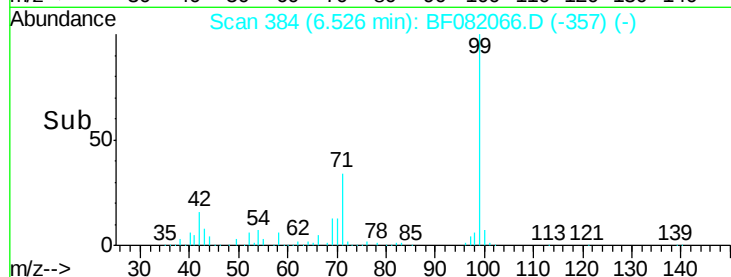
71 34.0 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.27 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

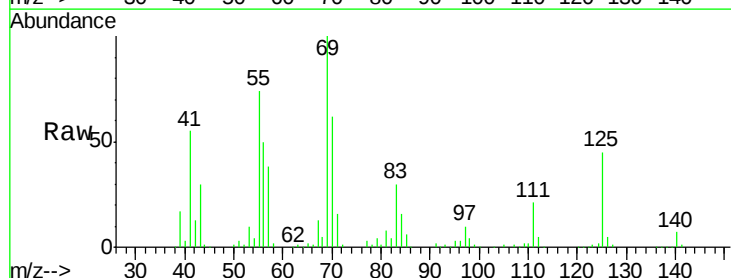
Tgt Ion: 77 Resp: 10977

Ion Ratio Lower Upper

77 100

105 25.1 91.6 131.6#

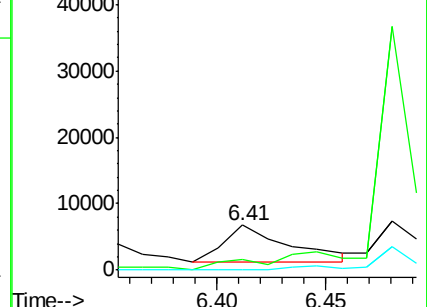
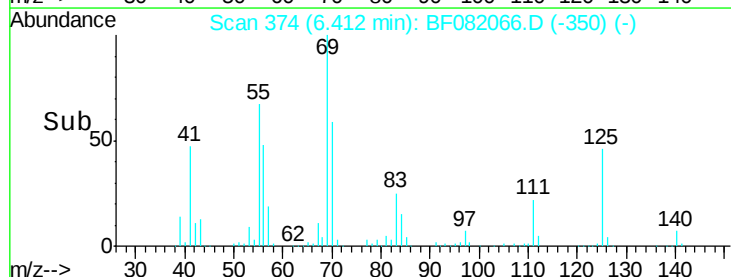
106 0.0 102.6 142.6#

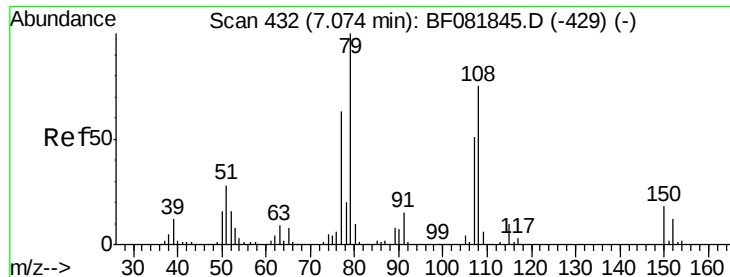


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

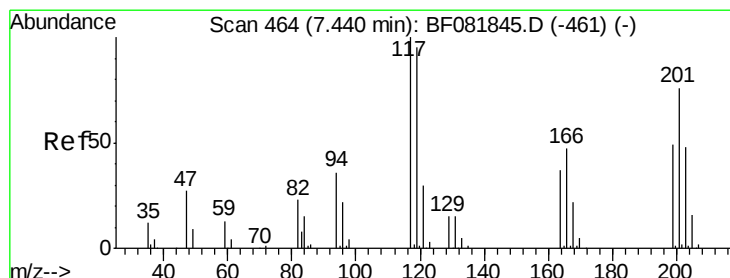
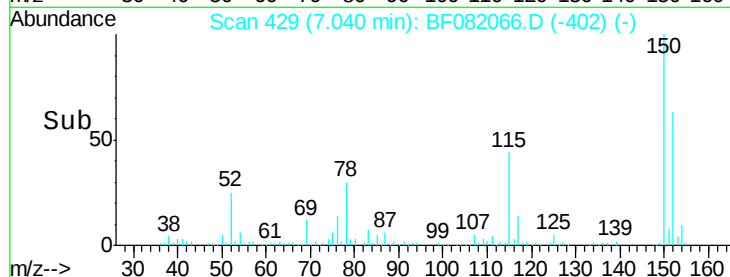
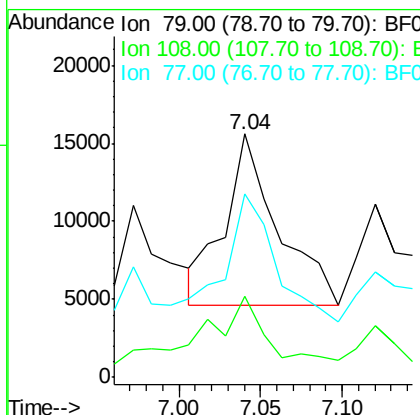
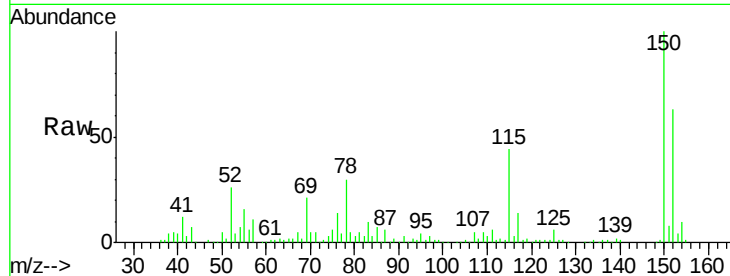




#15
Benzyl Alcohol
Concen: 4.64 ng
RT: 7.04 min Scan# 429
Delta R.T. 0.01 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

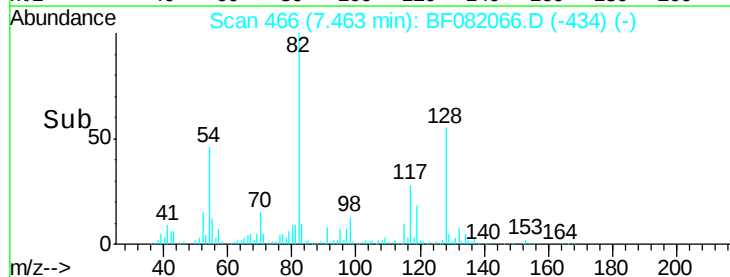
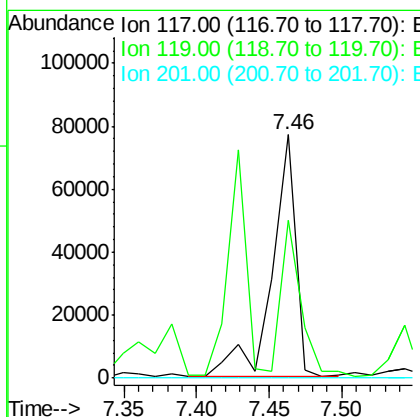
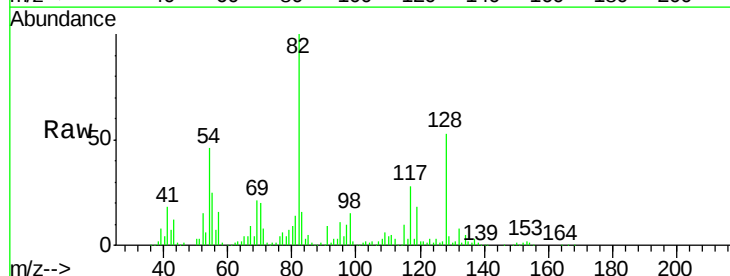
Instrument :
BNA_F
ClientSampleId :
SS-8(0-24)

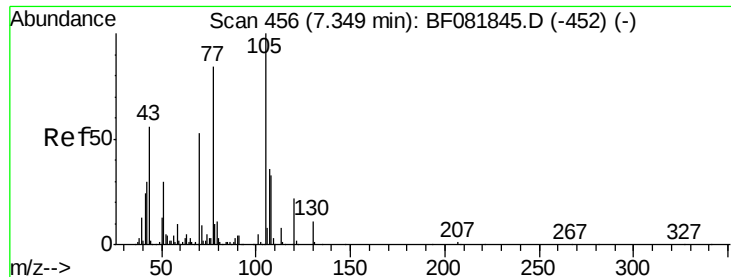
Tgt Ion: 79 Resp: 24705
Ion Ratio Lower Upper
79 100
108 33.2 88.6 132.8#
77 75.3 47.0 70.4#



#18
Hexachloroethane
Concen: 35.04 ng
RT: 7.46 min Scan# 466
Delta R.T. 0.07 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

Tgt Ion: 117 Resp: 87638
Ion Ratio Lower Upper
117 100
119 64.7 83.8 125.6#
201 0.0 55.1 82.7#

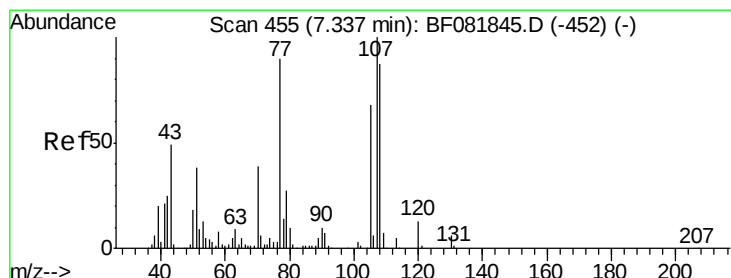
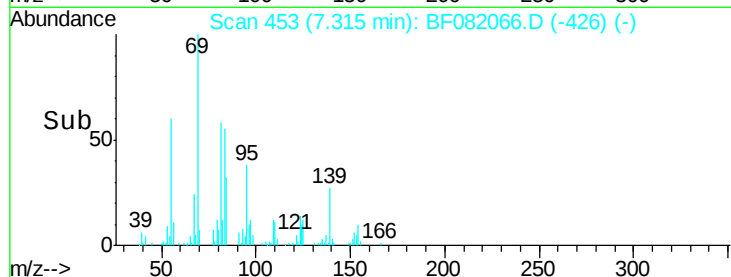
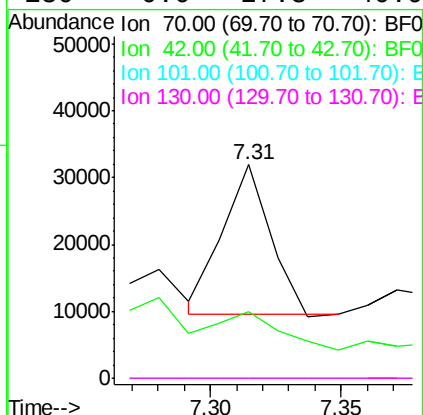
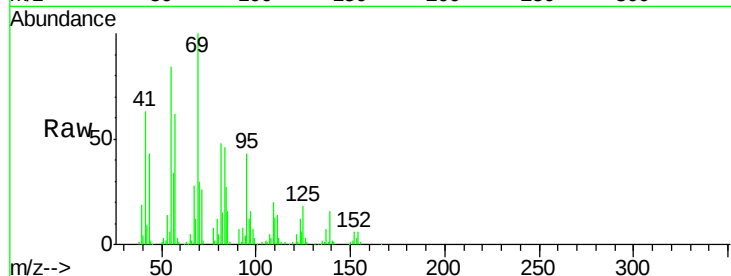




#19
n-Nitroso-di-n-propylamine
Concen: 6.37 ng
RT: 7.31 min Scan# 453
Delta R.T. 0.01 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

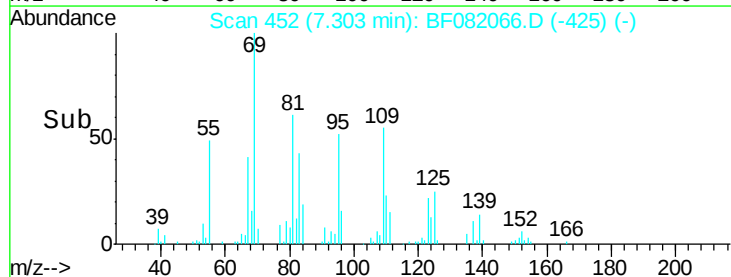
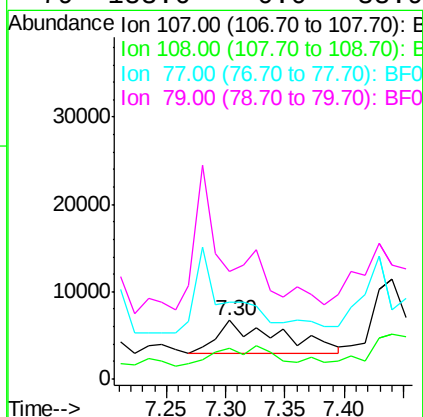
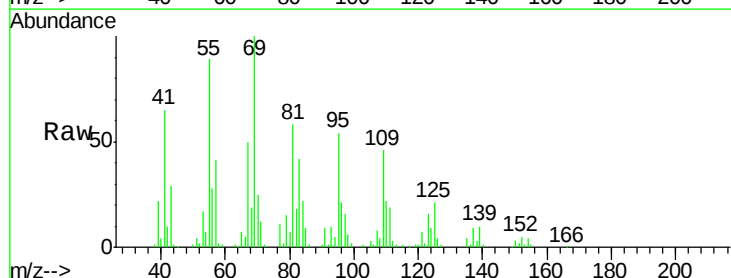
Instrument :
BNA_F
ClientSampleId :
SS-8(0-24)

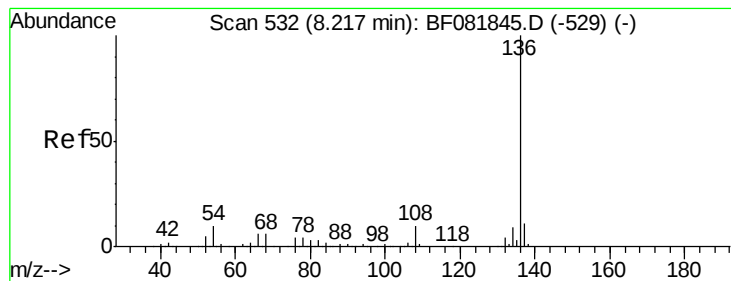
Tgt Ion	Ratio	Lower	Upper
70	100		
42	30.9	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#20
3+4-Methylphenols
Concen: 2.11 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.01 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	52.3	74.6	114.6#
77	131.2	0.7	40.7#
79	183.6	0.0	38.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 529

Delta R.T. 0.01 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Instrument :

BNA_F

ClientSampleId :

SS-8(0-24)

Tgt Ion:136 Resp: 328148

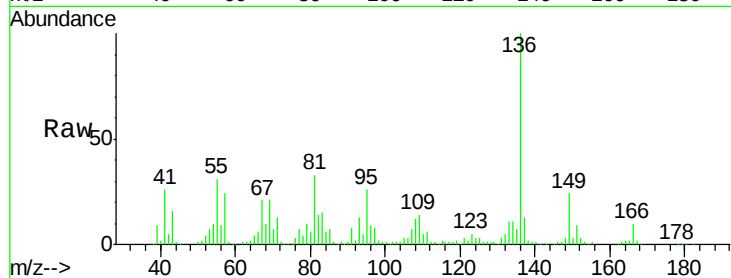
Ion Ratio Lower Upper

136 100

137 13.3 9.0 13.6

54 9.7 8.2 12.2

68 9.8 5.8 8.6#

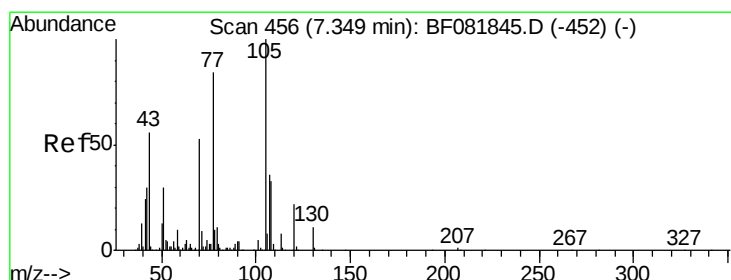
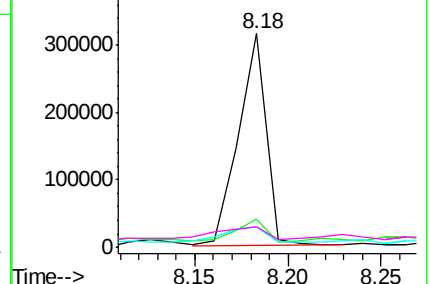
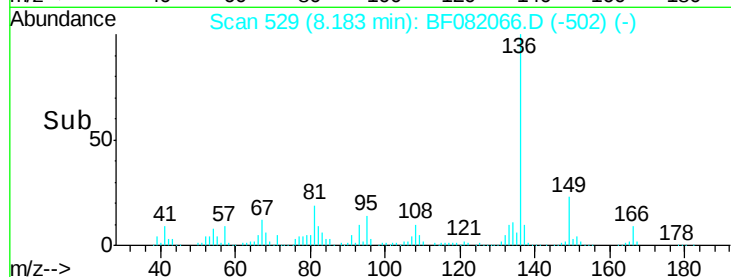


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.39 ng

RT: 7.28 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Tgt Ion:105 Resp: 22761

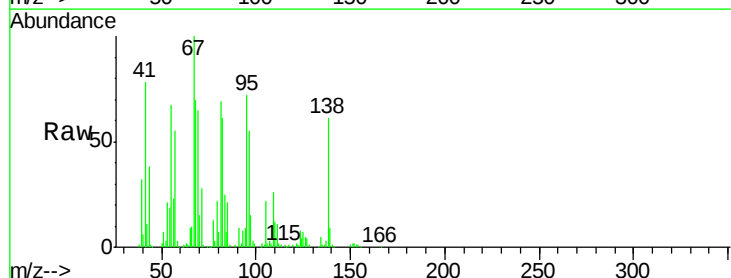
Ion Ratio Lower Upper

105 100

71 129.7 4.7 7.1#

51 29.8 22.0 33.0

120 0.0 30.1 45.1#

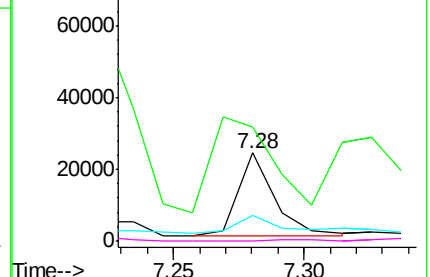
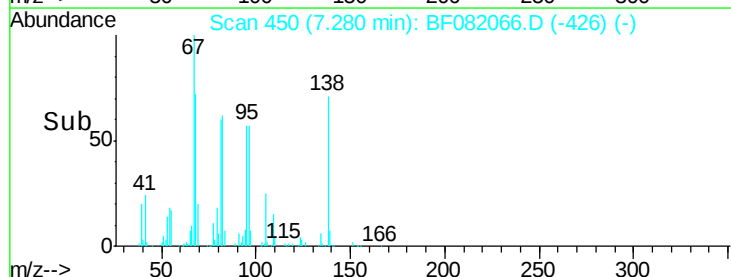


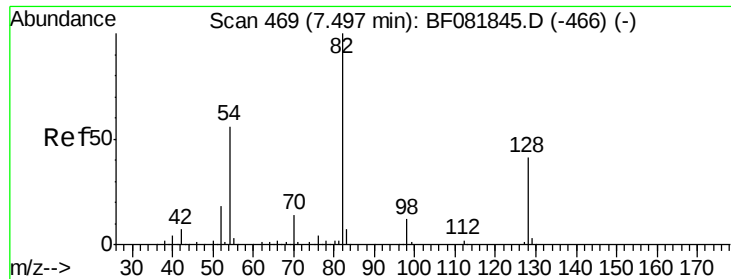
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

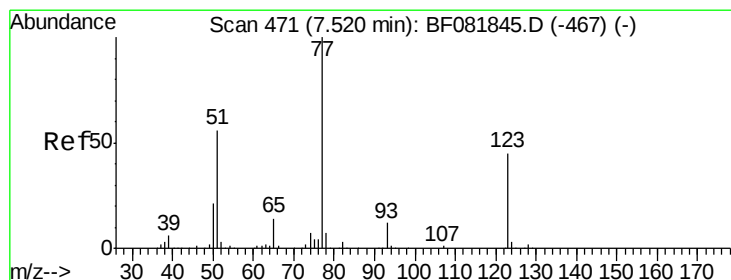
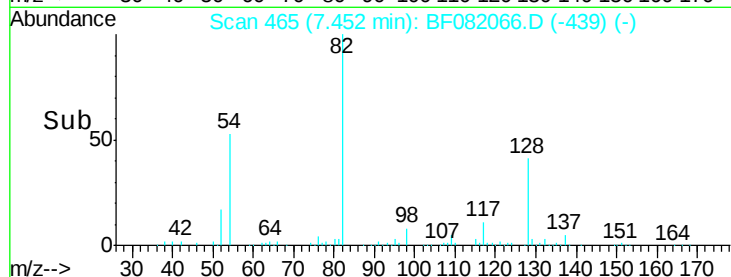
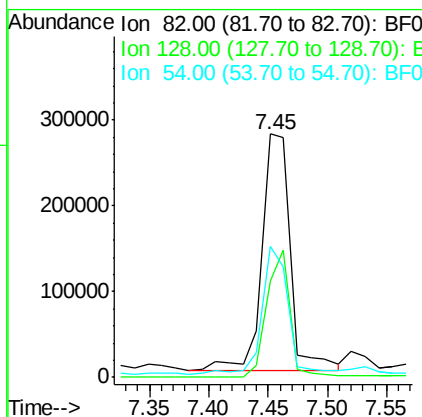
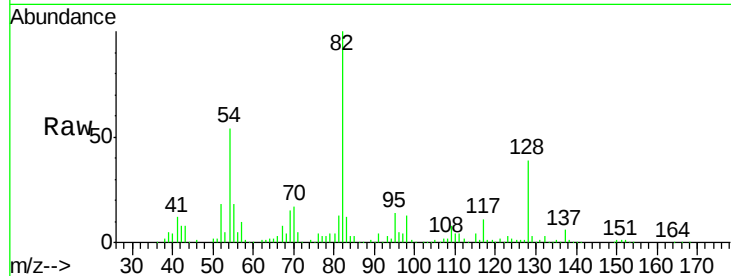




#23
 Nitrobenzene-d5
 Concen: 92.92 ng
 RT: 7.45 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

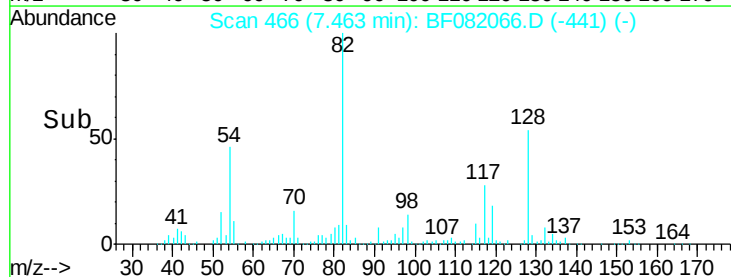
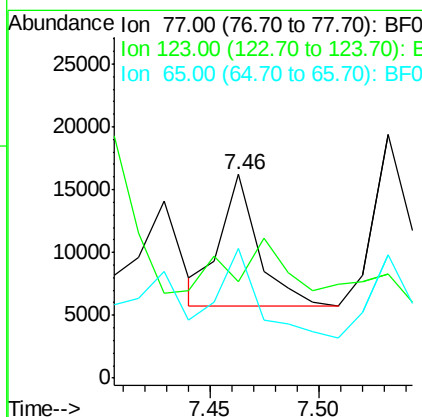
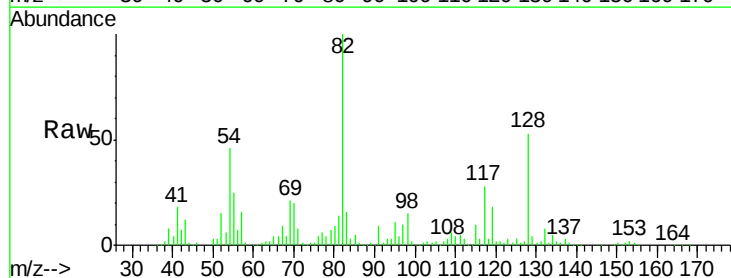
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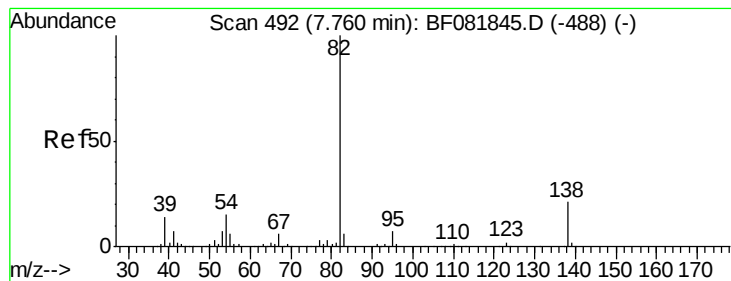
Tgt Ion: 82 Resp: 457419
 Ion Ratio Lower Upper
 82 100
 128 39.5 51.0 76.6#
 54 54.0 47.5 71.3



#24
 Nitrobenzene
 Concen: 2.39 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

Tgt Ion: 77 Resp: 12761
 Ion Ratio Lower Upper
 77 100
 123 47.2 59.8 89.8#
 65 63.6 10.2 15.4#





#25

Isophorone

Concen: 4.16 ng

RT: 7.70 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Instrument :

BNA_F

ClientSampleId :

SS-8(0-24)

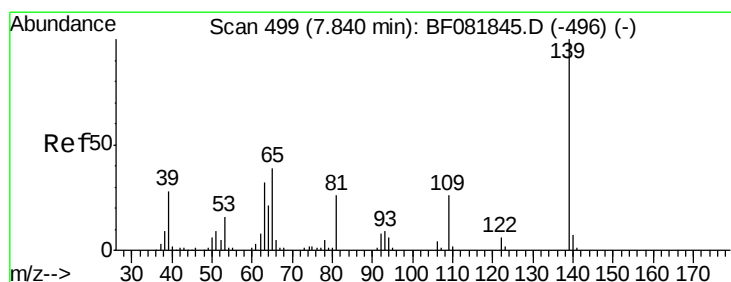
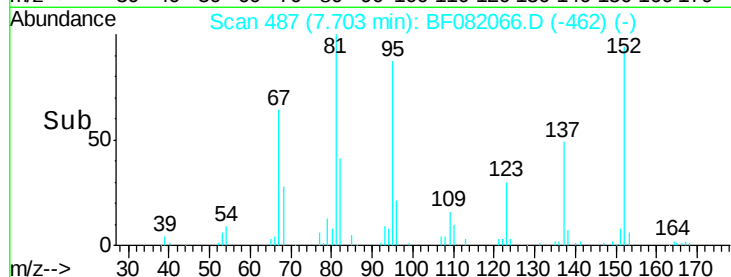
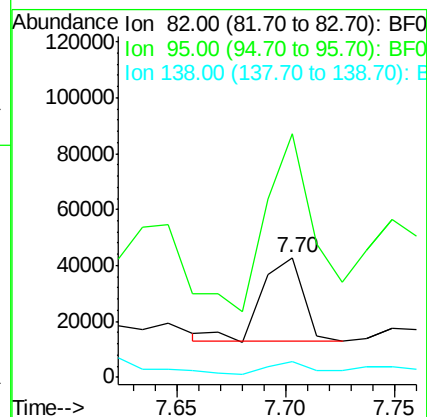
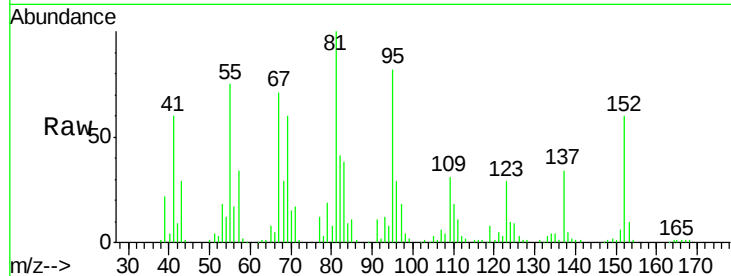
Tgt Ion: 82 Resp: 40578

Ion Ratio Lower Upper

82 100

95 203.0 4.0 6.0#

138 13.0 18.3 27.5#



#26

2-Nitrophenol

Concen: 2.71 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

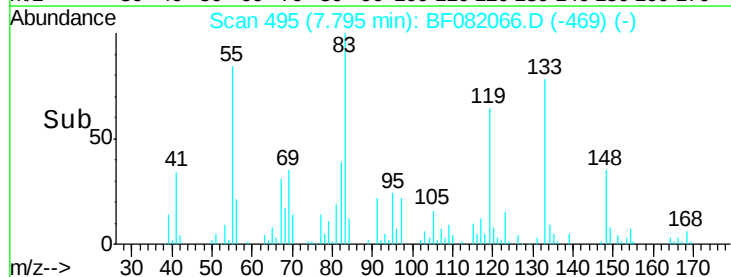
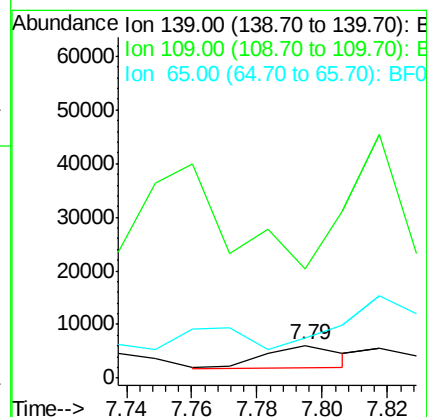
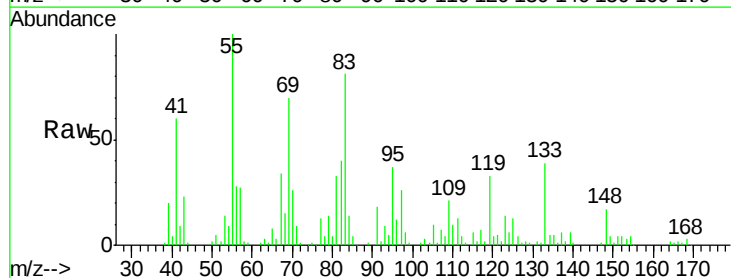
Tgt Ion: 139 Resp: 6956

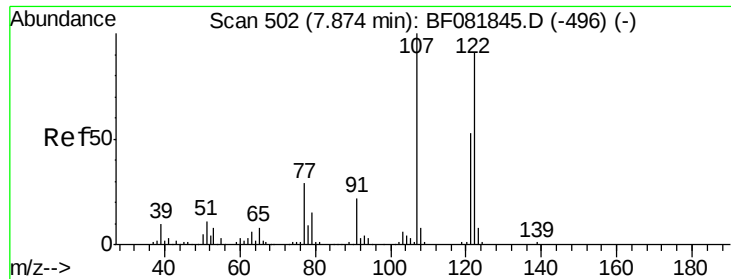
Ion Ratio Lower Upper

139 100

109 332.2 11.0 16.4#

65 121.3 24.7 37.1#

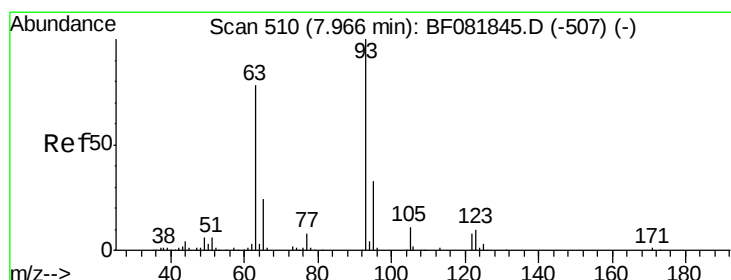
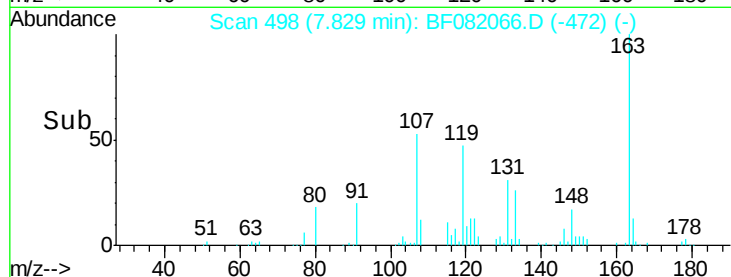
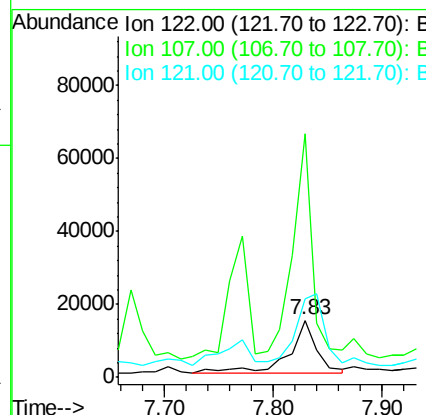
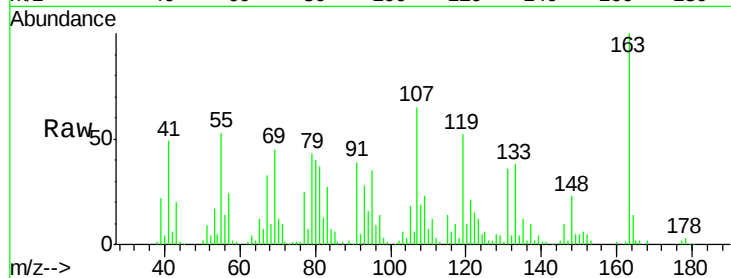




#27
2,4-Dimethylphenol
Concen: 5.79 ng
RT: 7.83 min Scan# 498
Delta R.T. -0.00 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

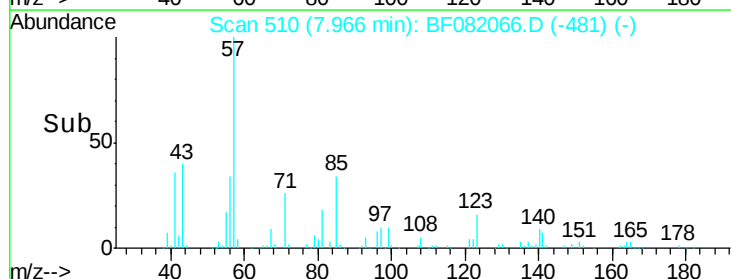
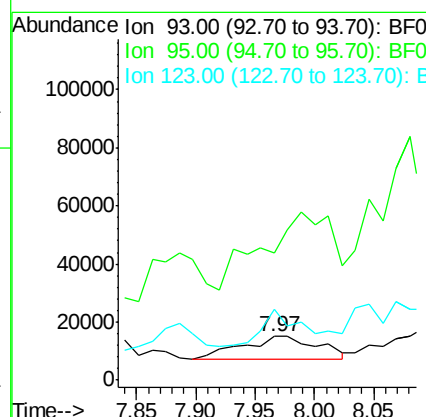
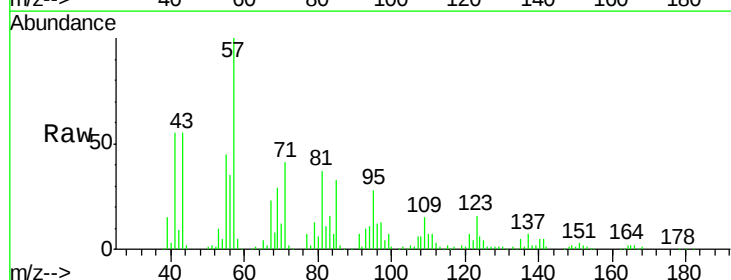
Instrument :
BNA_F
ClientSampleId :
SS-8(0-24)

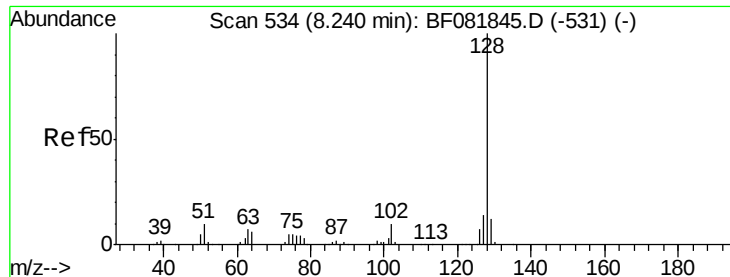
Tgt Ion: 122 Resp: 26149
Ion Ratio Lower Upper
122 100
107 426.7 71.8 107.6#
121 138.3 42.3 63.5#



#28
bis(2-Chloroethoxy)methane
Concen: 6.09 ng
RT: 7.97 min Scan# 510
Delta R.T. 0.03 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

Tgt Ion: 93 Resp: 35273
Ion Ratio Lower Upper
93 100
95 292.0 27.5 41.3#
123 163.4 13.7 20.5#

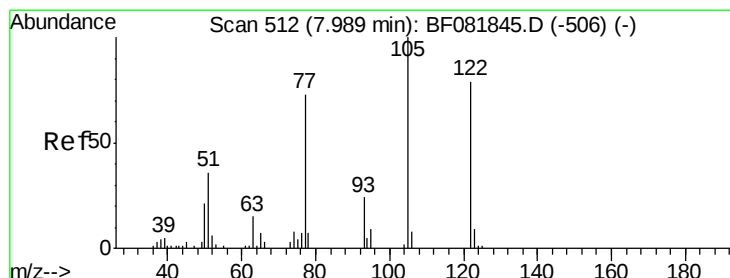
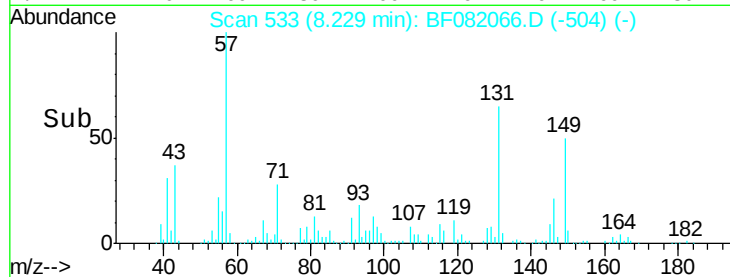
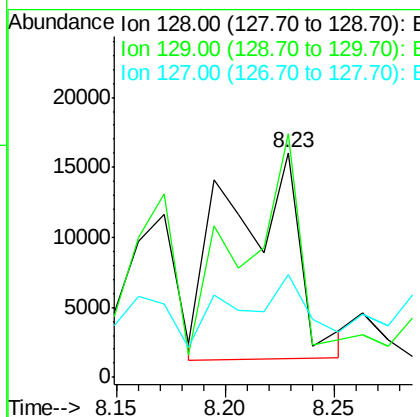
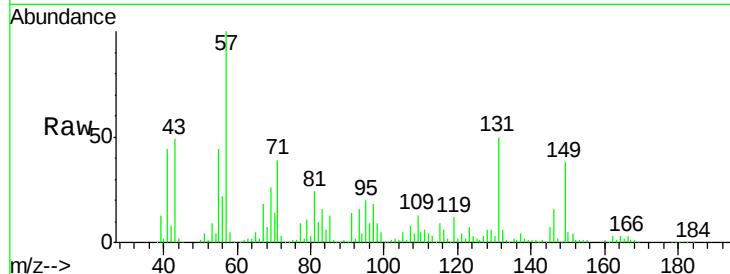




#31
Naphthalene
Concen: 2.28 ng
RT: 8.23 min Scan# 533
Delta R.T. 0.03 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

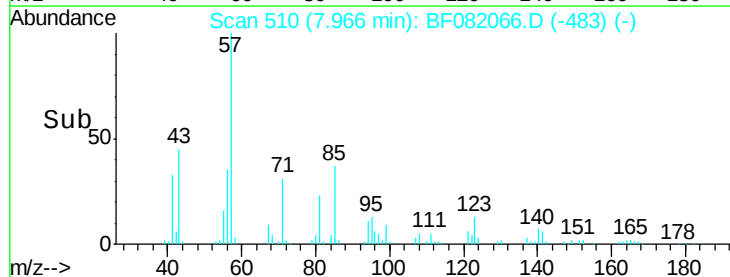
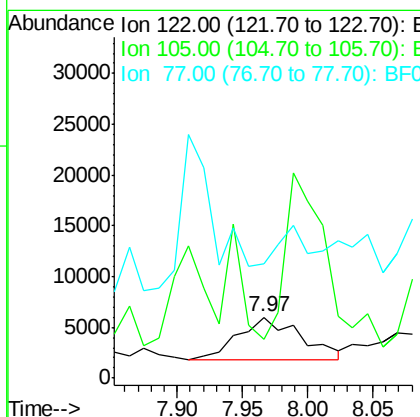
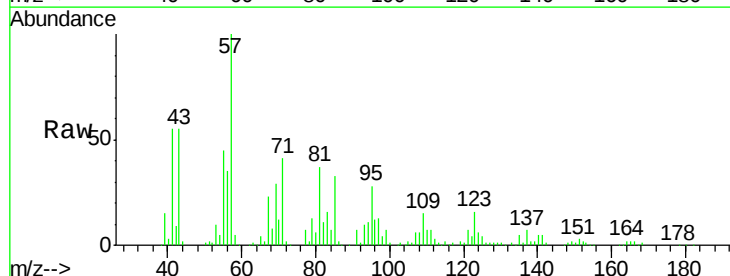
Instrument :
BNA_F
ClientSampleId :
SS-8(0-24)

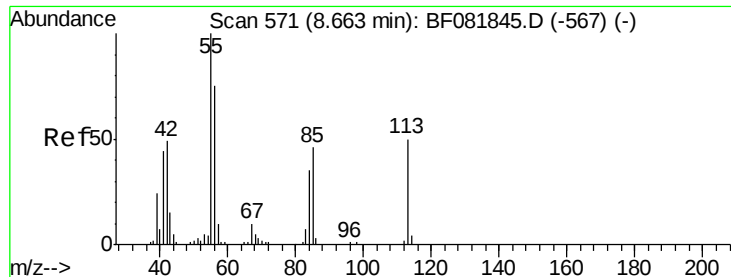
Tgt Ion:128 Resp: 33203
Ion Ratio Lower Upper
128 100
129 108.2 8.4 12.6#
127 45.7 9.9 14.9#



#32
Benzoic acid
Concen: 11.77 ng
RT: 7.97 min Scan# 510
Delta R.T. 0.01 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

Tgt Ion:122 Resp: 14114
Ion Ratio Lower Upper
122 100
105 63.4 76.1 116.1#
77 186.8 40.5 80.5#





#35

Caprolactam

Concen: 63.38 ng

RT: 8.61 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

Instrument :

BNA_F

ClientSampleId :

SS-8(0-24)

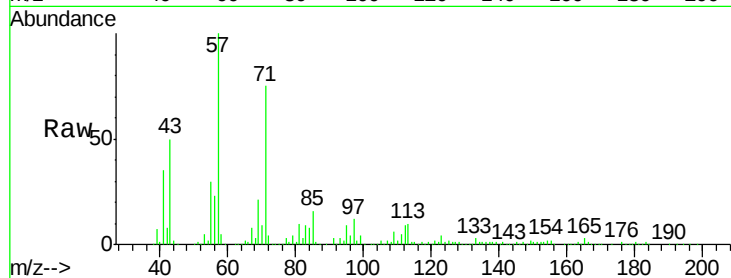
Tgt Ion:113 Resp: 76794

Ion Ratio Lower Upper

113 100

55 291.1 152.4 192.4#

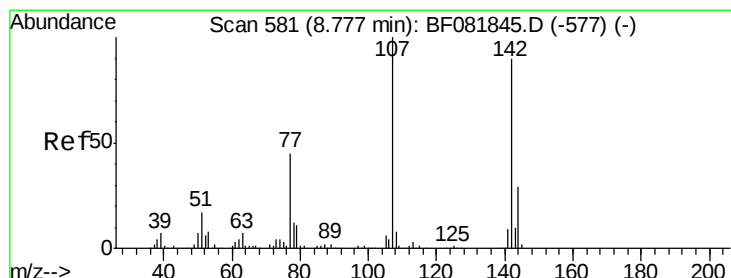
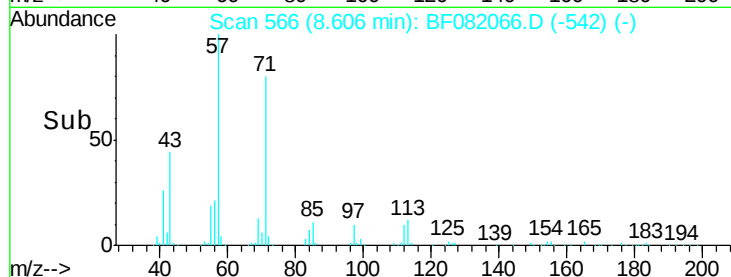
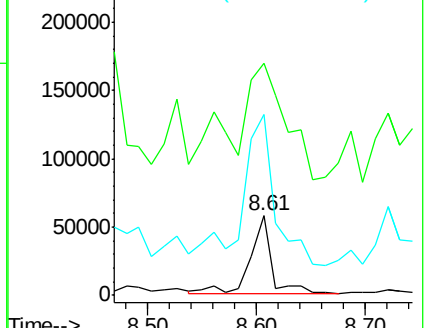
56 227.0 104.6 144.6#



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: 6.31 ng

RT: 8.71 min Scan# 575

Delta R.T. -0.02 min

Lab File: BF082066.D

Acq: 6 Oct 2015 2:01

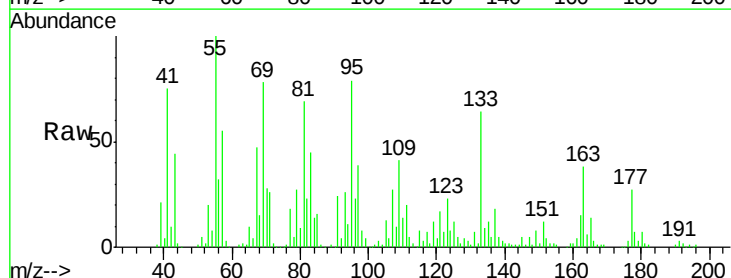
Tgt Ion:107 Resp: 27003

Ion Ratio Lower Upper

107 100

144 4.7 25.4 38.0#

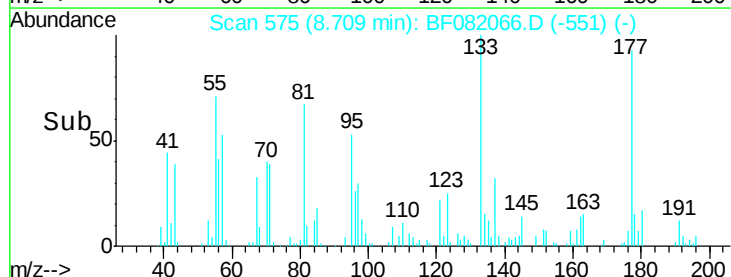
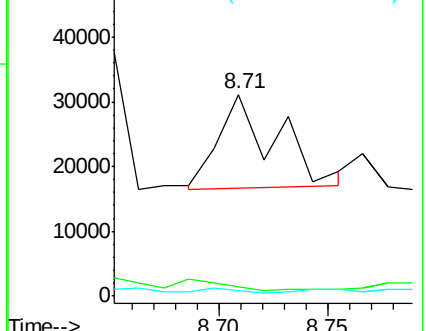
142 3.0 77.3 115.9#

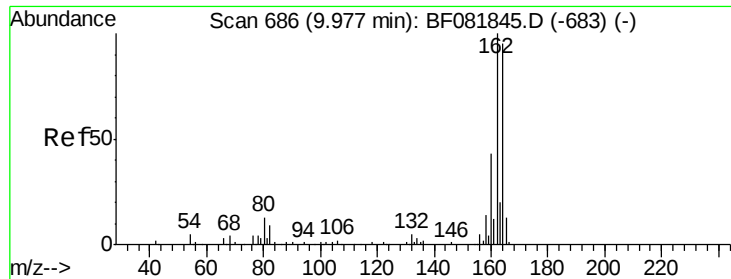


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

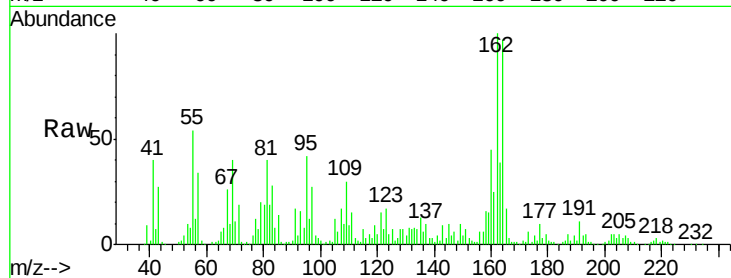




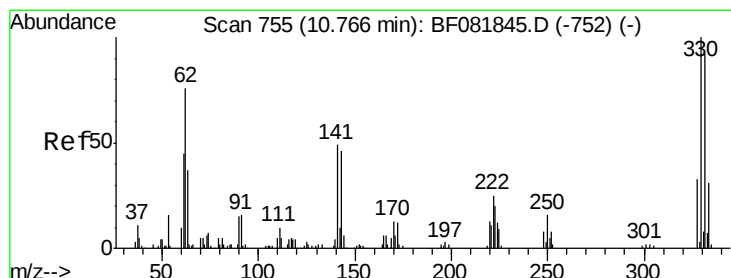
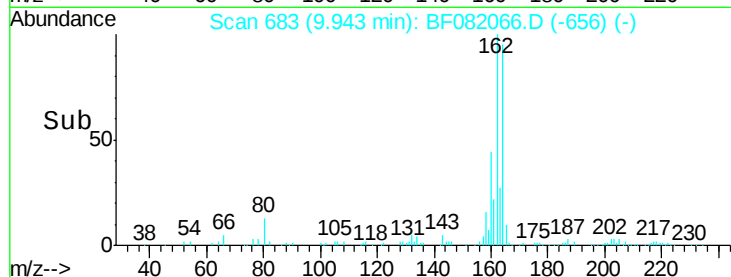
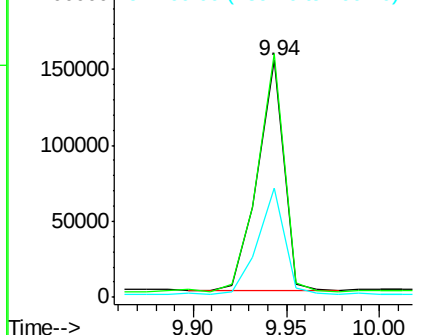
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-24)

Tgt Ion:164 Resp: 148458
 Ion Ratio Lower Upper
 164 100
 162 102.8 75.2 112.8
 160 46.2 31.5 47.3

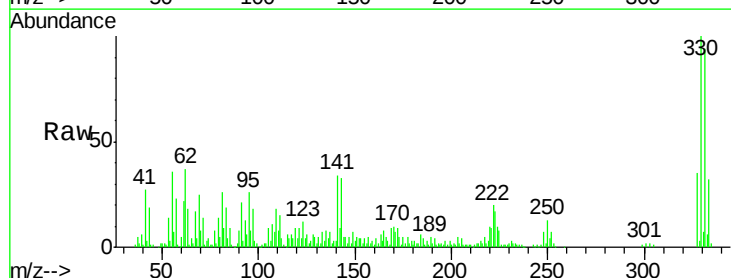


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

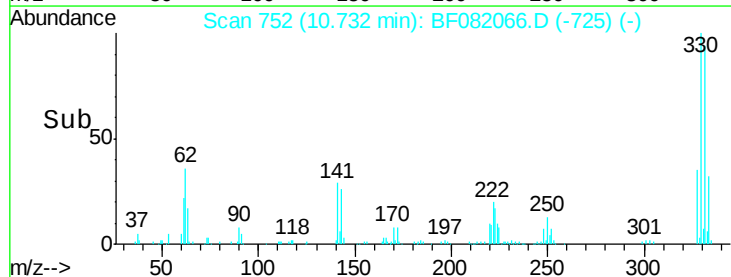
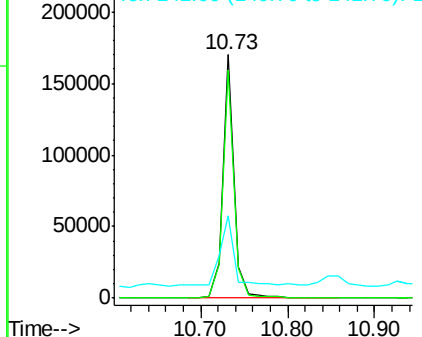


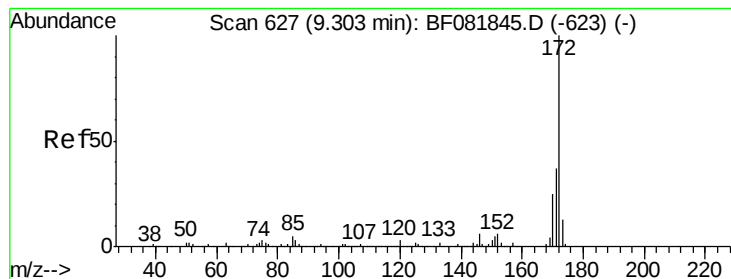
#41
 2,4,6-Tribromophenol
 Concen: 102.88 ng
 RT: 10.73 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

Tgt Ion:330 Resp: 154682
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 114.8
 141 41.5 29.7 44.5



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

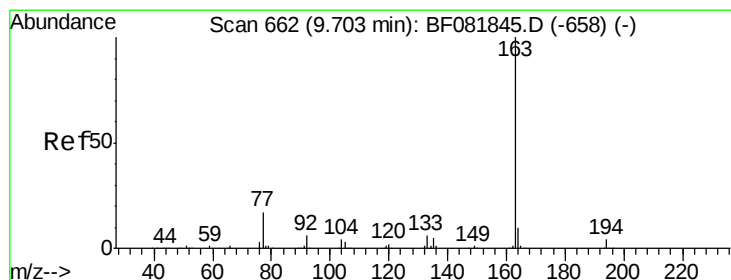
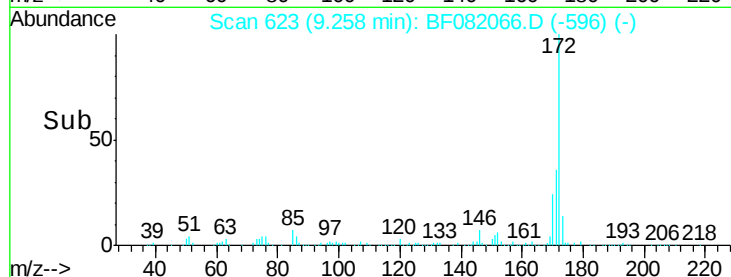
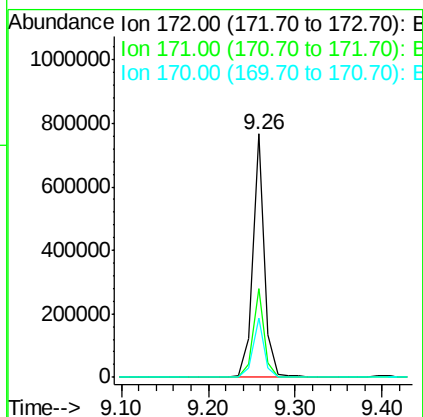
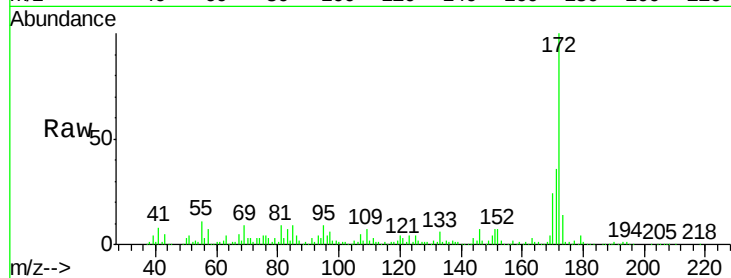




#44
2-Fluorobiphenyl
Concen: 81.21 ng
RT: 9.26 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

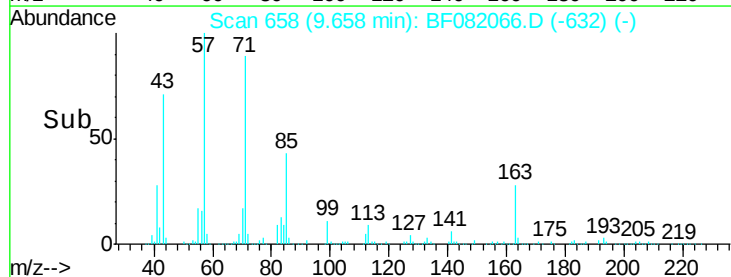
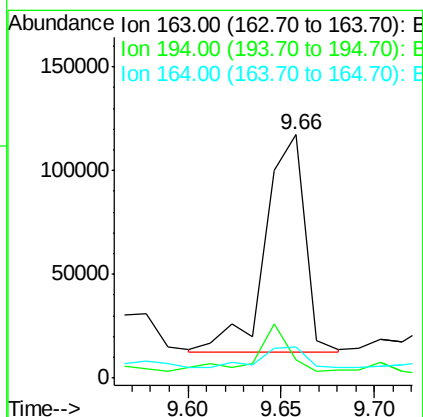
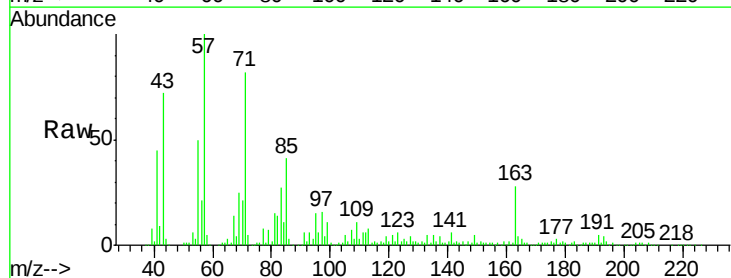
Instrument :
BNA_F
ClientSampleId :
SS-8(0-24)

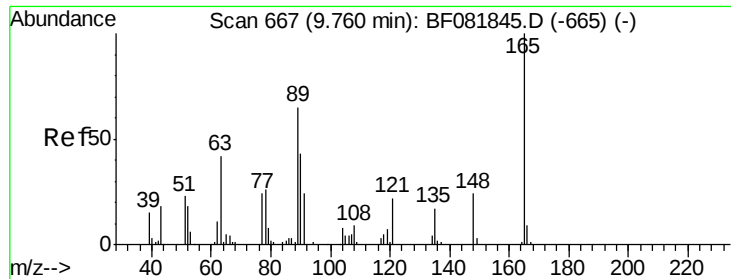
Tgt Ion:172 Resp: 726803
Ion Ratio Lower Upper
172 100
171 36.2 26.1 39.1
170 24.2 17.4 26.2



#49
Dimethylphthalate
Concen: 15.02 ng
RT: 9.66 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF082066.D
Acq: 6 Oct 2015 2:01

Tgt Ion:163 Resp: 153937
Ion Ratio Lower Upper
163 100
194 7.3 4.4 6.6#
164 12.9 8.3 12.5#

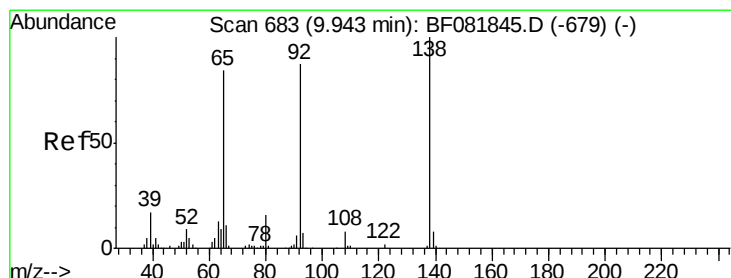
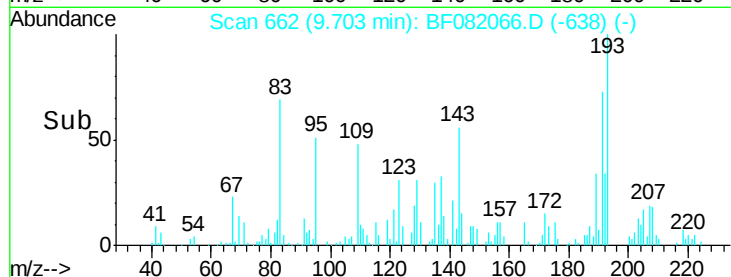
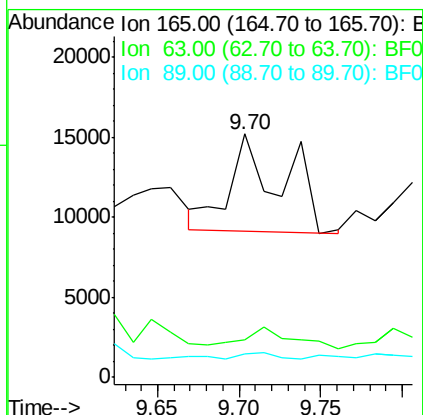
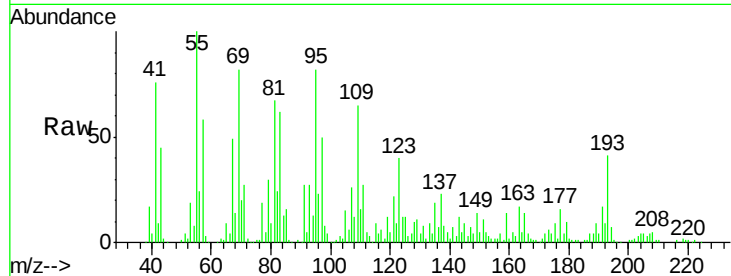




#50
 2,6-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.70 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-24)

Tgt Ion:165 Resp: 13355
 Ion Ratio Lower Upper
 165 100
 63 15.6 32.3 48.5#
 89 9.6 28.6 43.0#



#52
 3-Nitroaniline
 Concen: 4.84 ng
 RT: 9.89 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF082066.D
 Acq: 6 Oct 2015 2:01

Tgt Ion:138 Resp: 12457
 Ion Ratio Lower Upper
 138 100
 108 129.4 5.7 8.5#
 92 52.3 67.7 101.5#

