

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081815\
 Data File : BF081075.D
 Acq On : 19 Aug 2015 9:33
 Operator : UM/IZ
 Sample : G3282-09MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Quant Time: Aug 19 13:03:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	65598	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	278673	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	126612	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	250111	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	151243	20.00	ng	-0.01
86) Perylene-d12	15.07	264	129610	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	563288	129.16	ng	0.00
7) Phenol-d6	6.26	99	815089	143.24	ng	0.00
23) Nitrobenzene-d5	7.19	82	523979	85.89	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	151986	138.48	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	695898	72.02	ng	-0.02
78) Terphenyl-d14	12.70	244	665598	94.35	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.09	88	71807	34.94	ng	95
3) Pyridine	2.71	79	227753	39.26	ng	84
4) n-Nitrosodimethylamine	2.67	42	132566	41.05	ng	# 79
6) Aniline	6.27	93	77736	9.40	ng	# 1
8) 2-Chlorophenol	6.40	128	208273	43.63	ng	# 81
9) Benzaldehyde	6.15	77	140978	38.43	ng	94
10) Phenol	6.28	94	284467	42.33	ng	# 65
11) bis(2-Chloroethyl)ether	6.35	93	354887	68.82	ng	93
12) 1,3-Dichlorobenzene	6.55	146	212762	41.48	ng	95
13) 1,4-Dichlorobenzene	6.63	146	212450	41.83	ng	98
14) 1,2-Dichlorobenzene	6.78	146	182024	38.29	ng	99
15) Benzyl Alcohol	6.76	79	191705	41.64	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.90	45	406406	40.11	ng	97
17) 2-Methylphenol	6.89	107	186910	45.63	ng	96
18) Hexachloroethane	7.12	117	80996	39.47	ng	97
19) n-Nitroso-di-n-propylamine	7.04	70	178838	45.37	ng	92
20) 3+4-Methylphenols	7.04	107	220254	42.37	ng	# 65
22) Acetophenone	7.03	105	314042	42.92	ng	# 88
24) Nitrobenzene	7.20	77	237837	37.29	ng	96
25) Isophorone	7.44	82	446319	39.23	ng	99
26) 2-Nitrophenol	7.52	139	122198	46.07	ng	# 71
27) 2,4-Dimethylphenol	7.56	122	164403	35.03	ng	96
28) bis(2-Chloroethoxy)methane	7.67	93	288981	43.00	ng	98
29) 2,4-Dichlorophenol	7.76	162	157619	39.90	ng	# 87
30) 1,2,4-Trichlorobenzene	7.84	180	169079	38.51	ng	97
31) Naphthalene	7.92	128	641020	41.27	ng	99
32) Benzoic acid	7.63	122	7141	2.71	ng	96
33) 4-Chloroaniline	7.99	127	96476	14.72	ng	# 91
34) Hexachlorobutadiene	8.04	225	96849	39.00	ng	98
36) 4-Chloro-3-methylphenol	8.47	107	201318	42.76	ng	98
37) 2-Methylnaphthalene	8.60	142	364857	37.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	175005	42.84	ng	98
40) Hexachlorocyclopentadiene	8.76	237	135754	64.21	ng	99
42) 2,4,6-Trichlorophenol	8.89	196	126099	43.69	ng	99

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081815\
 Data File : BF081075.D
 Acq On : 19 Aug 2015 9:33
 Operator : UM/IZ
 Sample : G3282-09MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

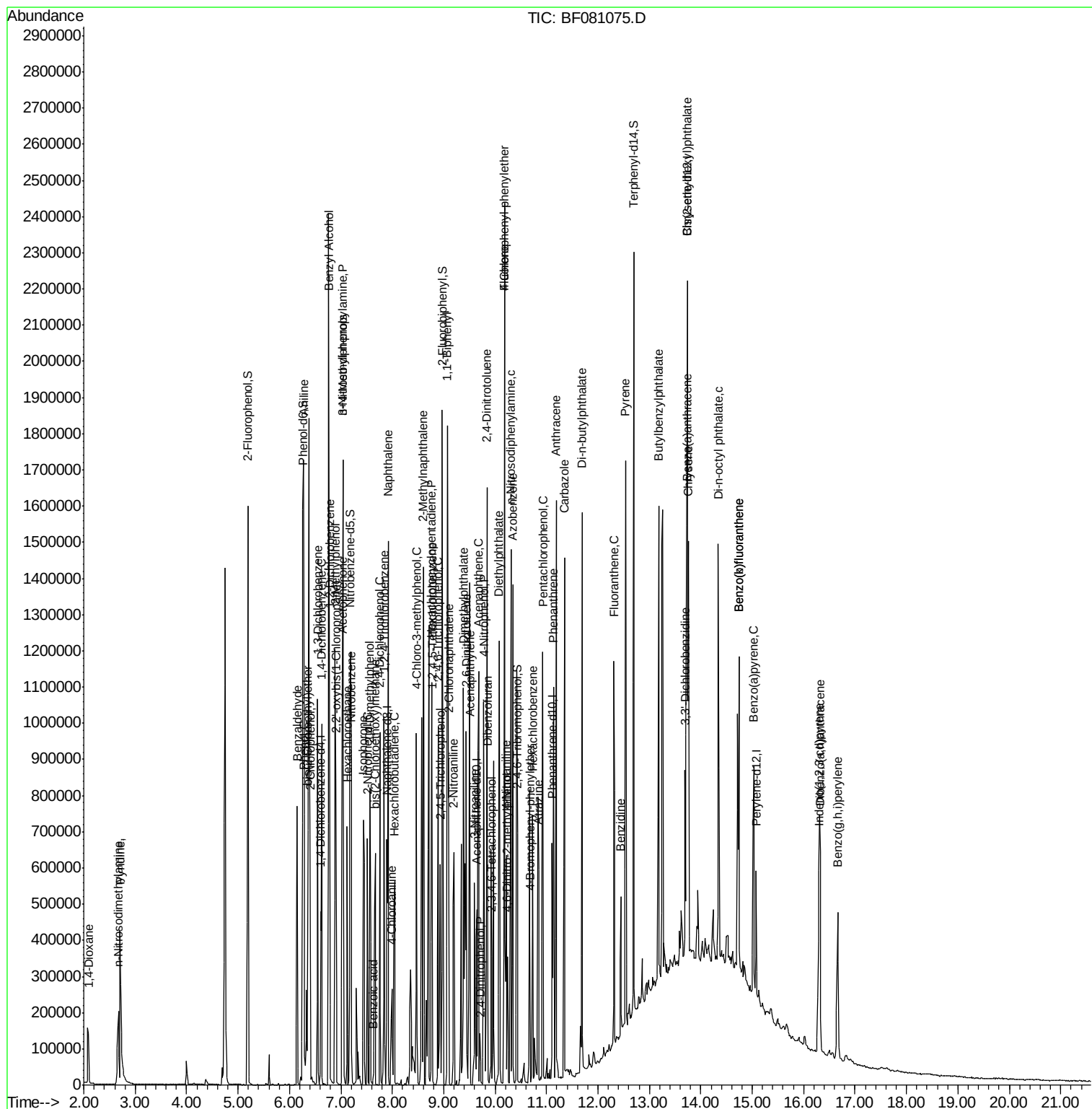
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

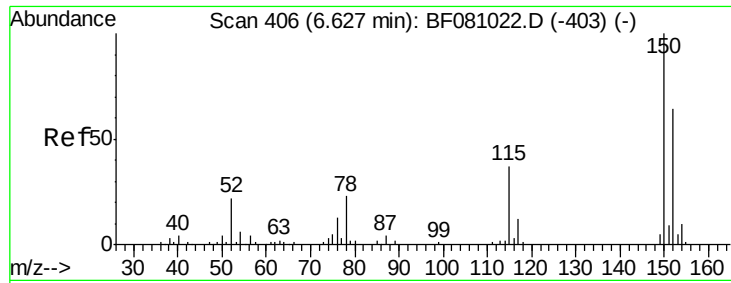
Quant Time: Aug 19 13:03:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.94	196	125816	43.62	ng	95
45) 1,1'-Biphenyl	9.07	154	503871	45.18	ng	97
46) 2-Chloronaphthalene	9.10	162	361590	40.36	ng	99
47) 2-Nitroaniline	9.20	65	161053	43.93	ng	# 64
48) Acenaphthylene	9.51	152	590223	36.83	ng	99
49) Dimethylphthalate	9.38	163	535481	51.35	ng	99
50) 2,6-Dinitrotoluene	9.44	165	80994	36.18	ng	# 63
51) Acenaphthene	9.68	154	362732	37.80	ng	99
52) 3-Nitroaniline	9.60	138	70086	25.02	ng	99
53) 2,4-Dinitrophenol	9.71	184	16375	17.68	ng	# 48
54) Dibenzofuran	9.85	168	504050	39.20	ng	98
55) 4-Nitrophenol	9.78	139	150671	76.57	ng	# 81
56) 2,4-Dinitrotoluene	9.84	165	110347	37.19	ng	# 66
57) Fluorene	10.18	166	351418	35.53	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.93	232	89321	40.01	ng	96
59) Diethylphthalate	10.08	149	430662	39.02	ng	98
60) 4-Chlorophenyl-phenylether	10.18	204	166920	39.88	ng	98
61) 4-Nitroaniline	10.22	138	96012	33.53	ng	92
62) Azobenzene	10.34	77	554098	43.57	ng	97
64) 4,6-Dinitro-2-methylphenol	10.24	198	35521	23.78	ng	87
65) n-Nitrosodiphenylamine	10.31	169	378071	42.35	ng	100
66) 4-Bromophenyl-phenylether	10.67	248	103297	42.04	ng	98
67) Hexachlorobenzene	10.73	284	109870	44.15	ng	96
68) Atrazine	10.84	200	124245	49.95	ng	94
69) Pentachlorophenol	10.92	266	110542	74.04	ng	99
70) Phenanthrene	11.13	178	549926	37.10	ng	99
71) Anthracene	11.19	178	561148	38.90	ng	100
72) Carbazole	11.35	167	603739	43.47	ng	100
73) Di-n-butylphthalate	11.69	149	714231	42.50	ng	98
74) Fluoranthene	12.31	202	574709	35.93	ng	92
76) Benzidine	12.45	184	165063	28.89	ng	99
77) Pyrene	12.54	202	529428	43.06	ng	99
79) Butylbenzylphthalate	13.18	149	307375	58.16	ng	# 78
80) Benzo(a)anthracene	13.73	228	413878	40.80	ng	100
81) 3,3'-Dichlorobenzidine	13.69	252	92050	28.02	ng	99
82) Chrysene	13.76	228	403250	44.11	ng	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	381861	56.41	ng	# 97
84) Di-n-octyl phthalate	14.34	149	590049	57.35	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.30	276	376167	58.61	ng	# 94
87) Benzo(b)fluoranthene	14.74	252	656137	71.57	ng	96
88) Benzo(k)fluoranthene	14.74	252	656137	76.81	ng	98
89) Benzo(a)pyrene	15.03	252	333940	41.80	ng	97
90) Dibenzo(a,h)anthracene	16.32	278	316411	50.83	ng	99
91) Benzo(g,h,i)perylene	16.66	276	311829	49.38	ng	# 89

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

Quant Time: Aug 19 13:03:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:57:25 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

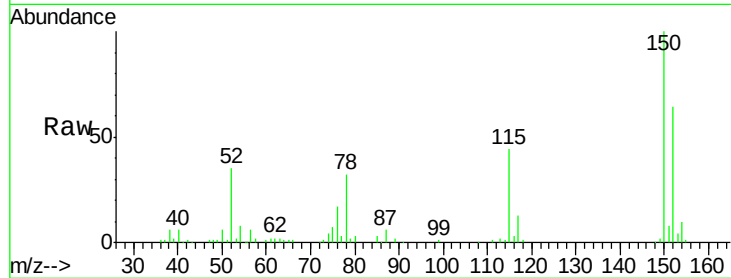
Tgt Ion:152 Resp: 65598

Ion Ratio Lower Upper

152 100

150 155.8 123.8 185.6

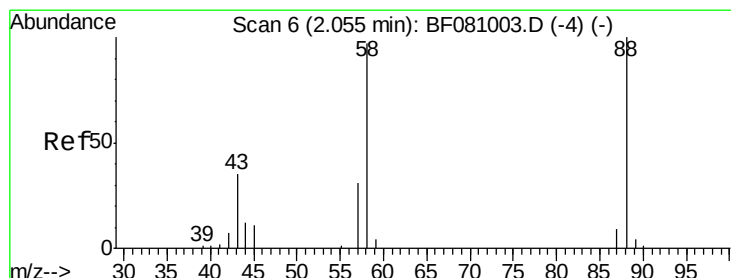
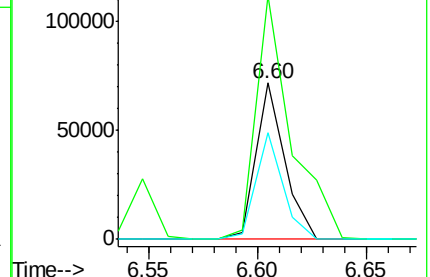
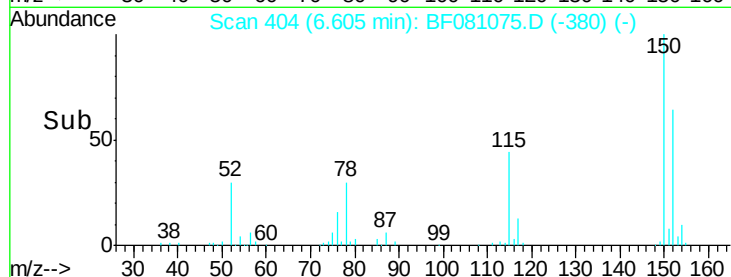
115 68.4 52.1 78.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.94 ng

RT: 2.09 min Scan# 9

Delta R.T. 0.03 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

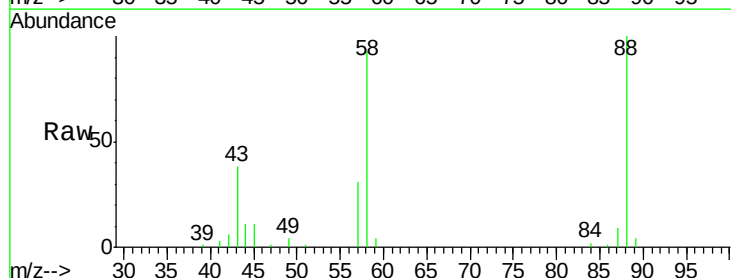
Tgt Ion: 88 Resp: 71807

Ion Ratio Lower Upper

88 100

58 101.8 83.7 125.5

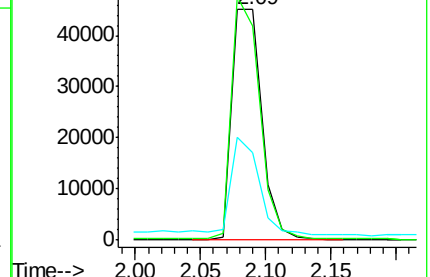
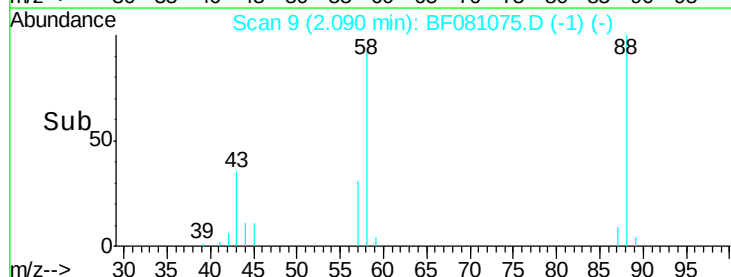
43 40.4 37.5 56.3

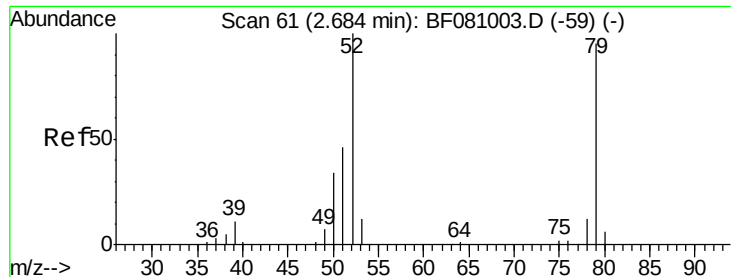


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 39.26 ng

RT: 2.71 min Scan# 63

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

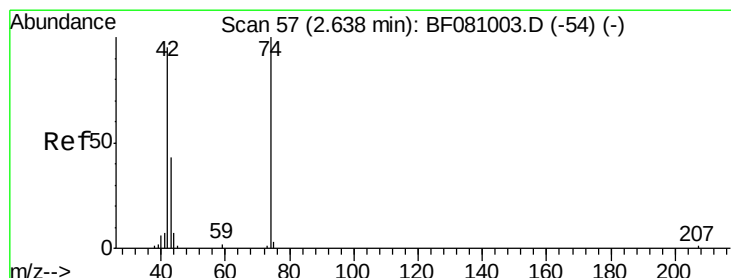
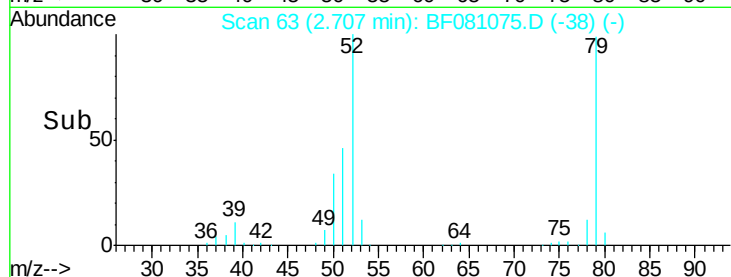
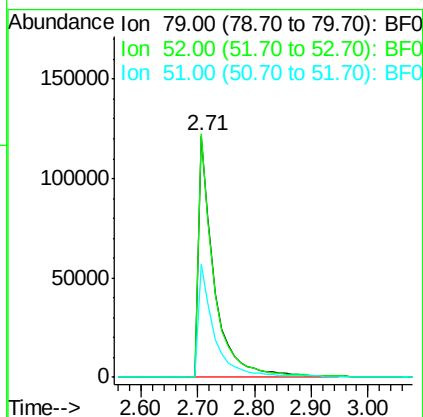
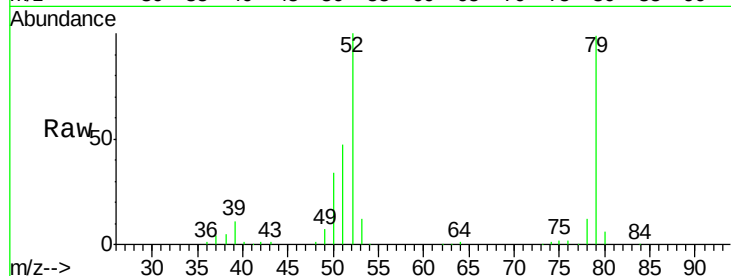
Tgt Ion: 79 Resp: 227753

Ion Ratio Lower Upper

79 100

52 101.0 95.1 142.7

51 47.1 46.6 70.0



#4

n-Nitrosodimethylamine

Concen: 41.05 ng

RT: 2.67 min Scan# 60

Delta R.T. 0.05 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

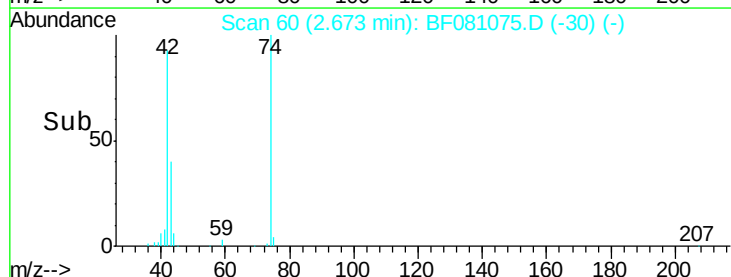
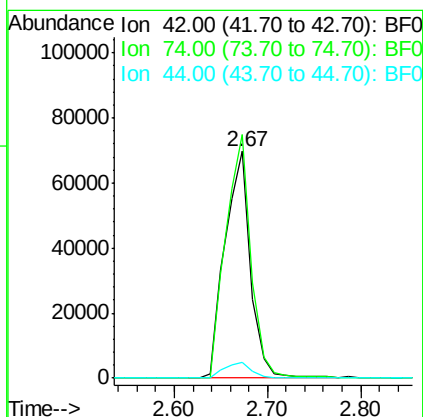
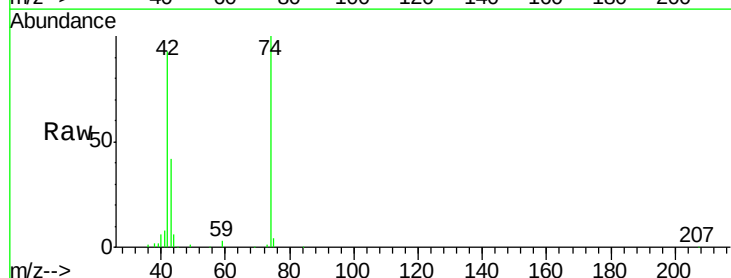
Tgt Ion: 42 Resp: 132566

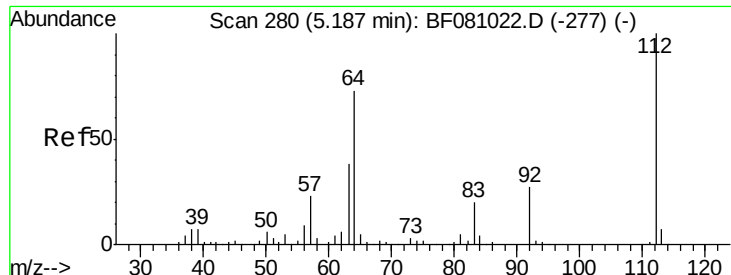
Ion Ratio Lower Upper

42 100

74 107.5 69.3 103.9#

44 7.0 5.5 8.3





#5

2-Fluorophenol

Concen: 129.16 ng

RT: 5.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

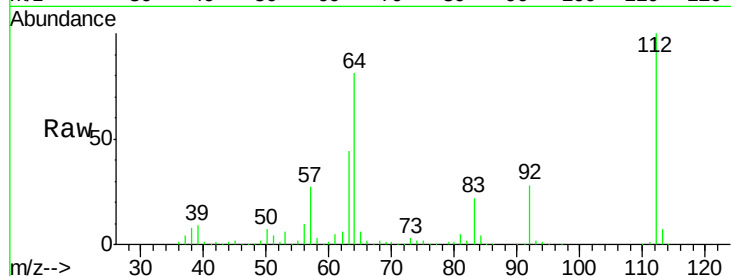
Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

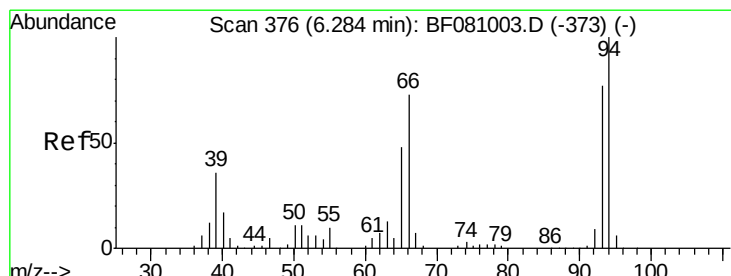
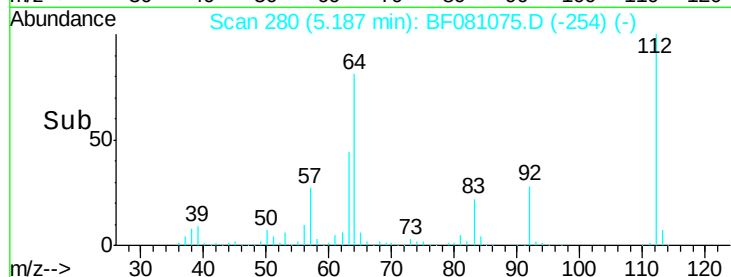
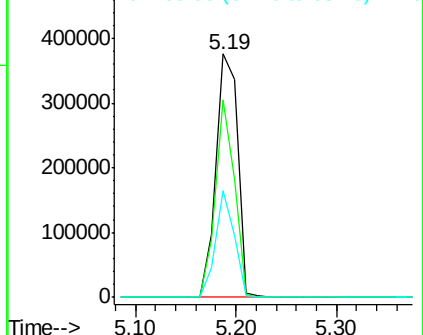
Tgt Ion:	112	Resp:	563288
Ion	Ratio	Lower	Upper
112	100		
64	80.9	66.9	100.3
63	43.6	38.1	57.1



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: 9.40 ng

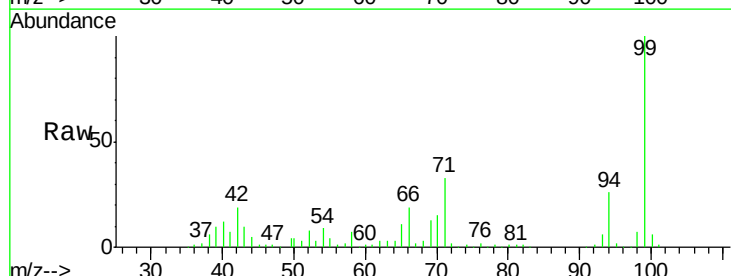
RT: 6.27 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

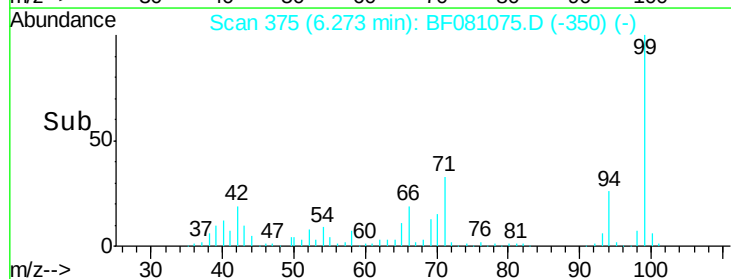
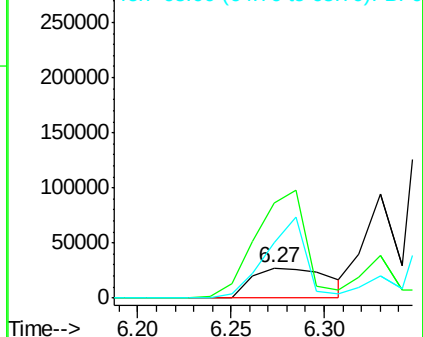
Tgt Ion:	93	Resp:	77736
Ion	Ratio	Lower	Upper
93	100		
66	313.1	35.6	53.4#
65	185.1	18.7	28.1#

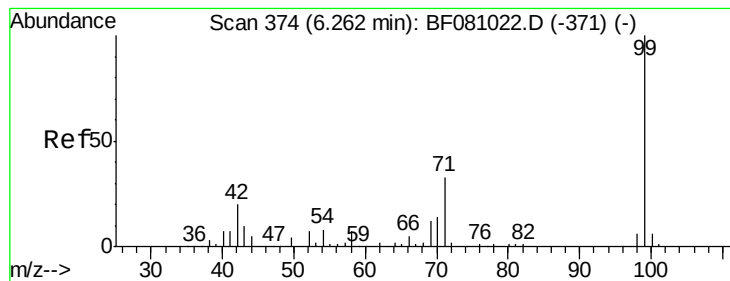


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.24 ng

RT: 6.26 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

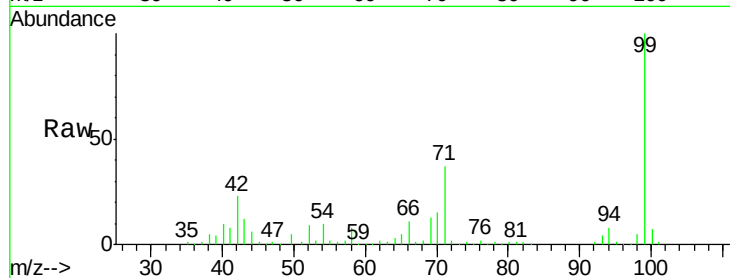
Tgt Ion: 99 Resp: 815089

Ion Ratio Lower Upper

99 100

42 23.4 19.6 29.4

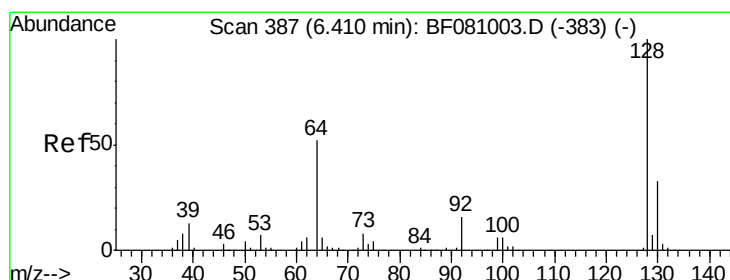
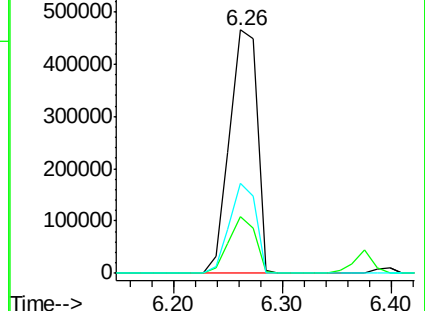
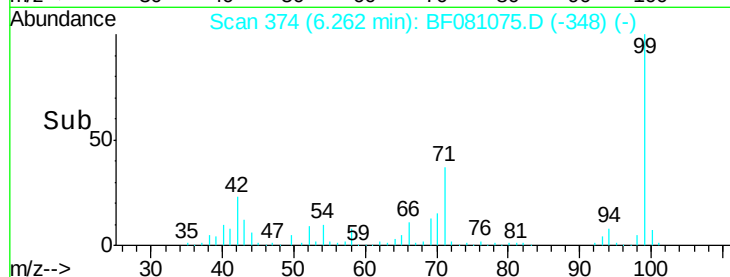
71 36.8 31.2 46.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.63 ng

RT: 6.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

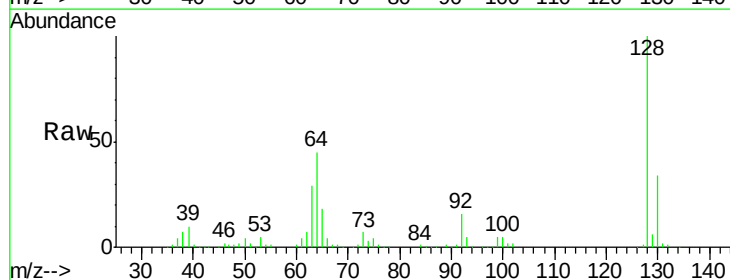
Tgt Ion: 128 Resp: 208273

Ion Ratio Lower Upper

128 100

130 33.5 12.5 52.5

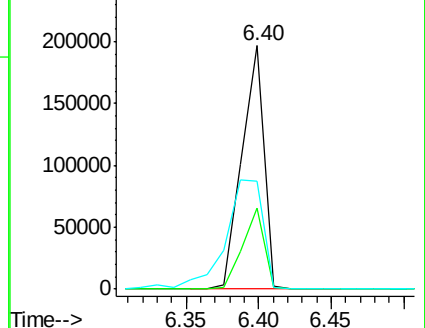
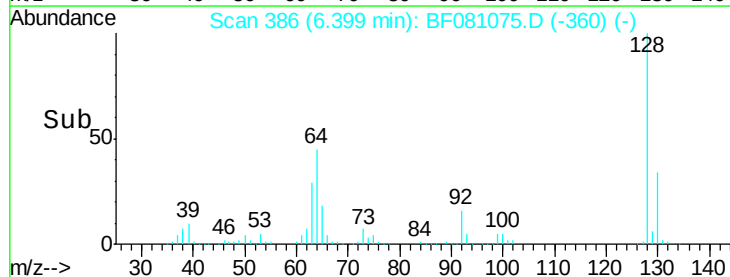
64 44.6 46.8 86.8#

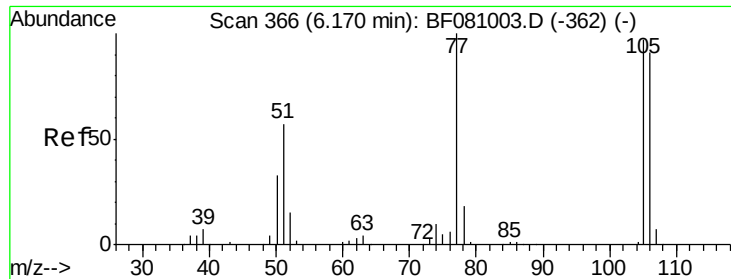


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 38.43 ng

RT: 6.15 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

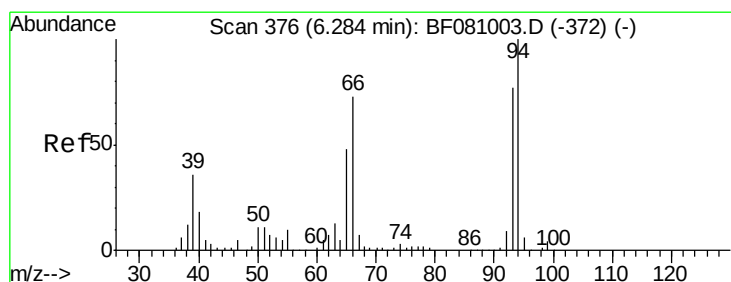
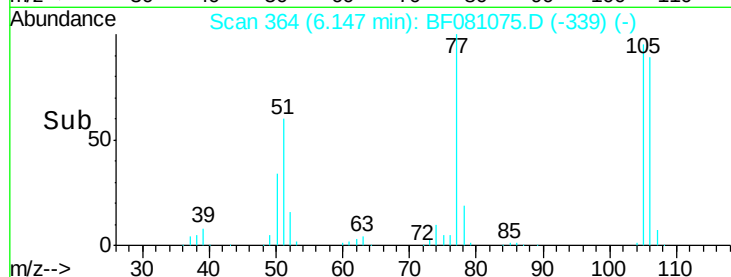
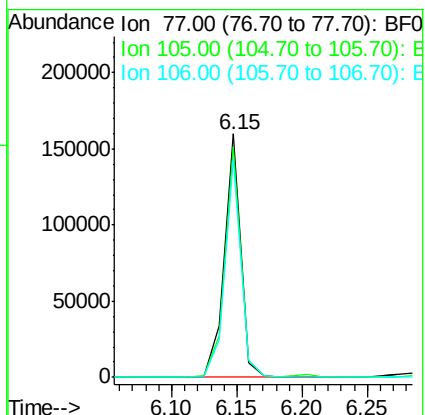
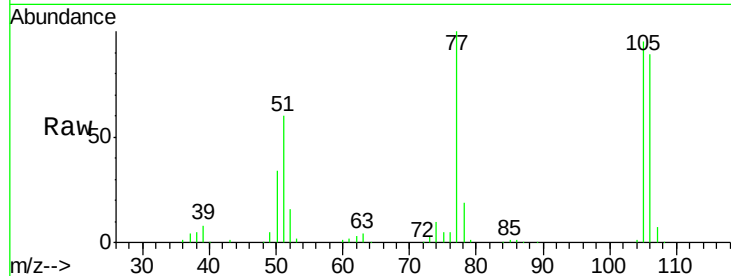
Tgt Ion: 77 Resp: 140978

Ion Ratio Lower Upper

77 100

105 94.9 69.6 109.6

106 89.4 64.0 104.0



#10

Phenol

Concen: 42.33 ng

RT: 6.28 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

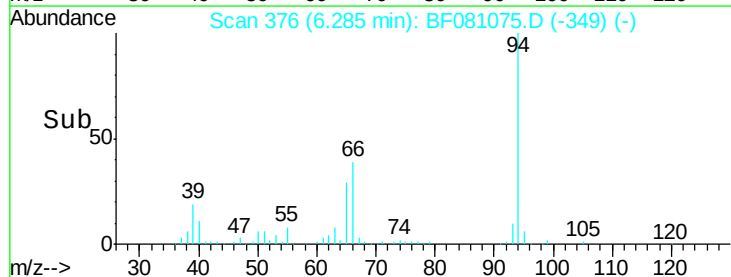
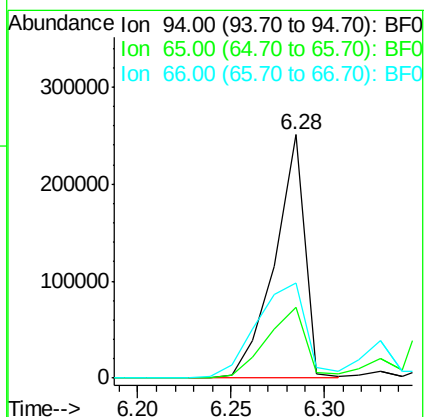
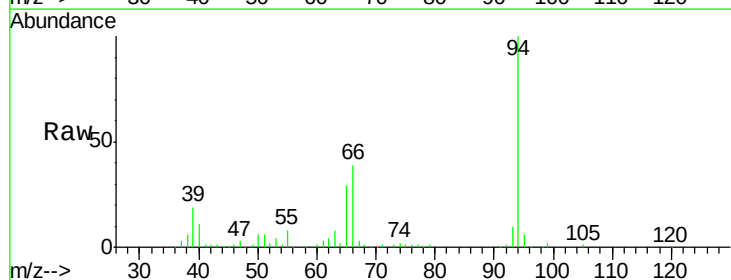
Tgt Ion: 94 Resp: 284467

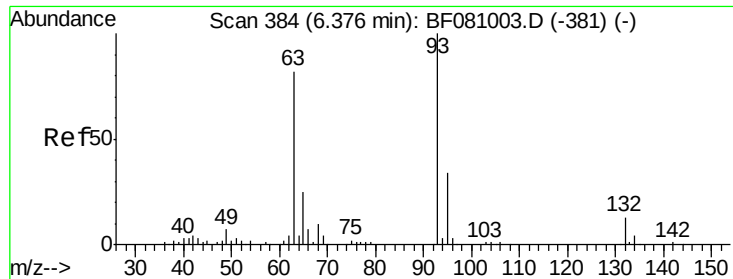
Ion Ratio Lower Upper

94 100

65 29.3 28.4 68.4

66 39.1 52.3 92.3#

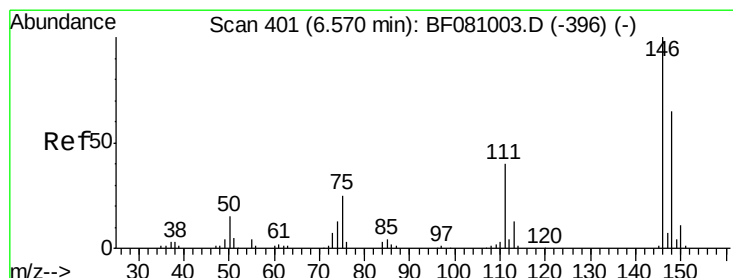
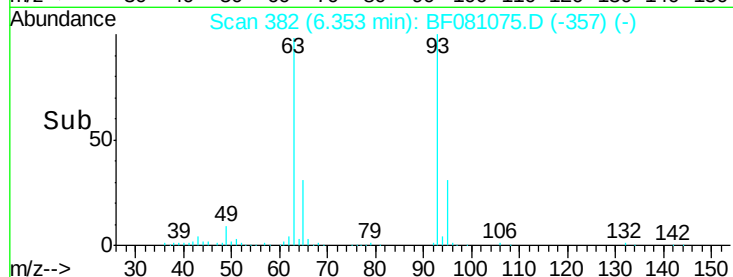
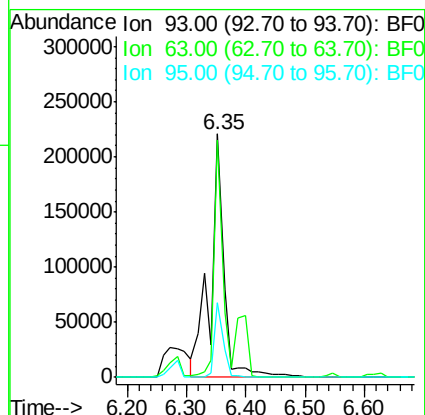
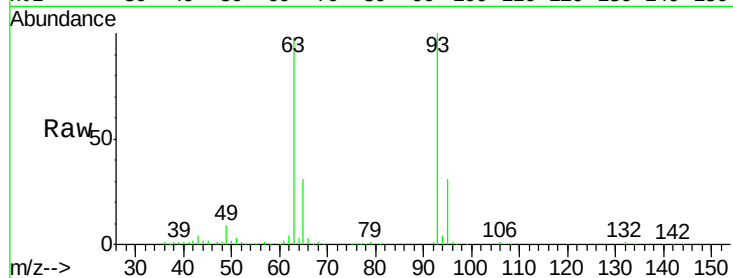




#11
bis(2-Chloroethyl)ether
Concen: 68.82 ng
RT: 6.35 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

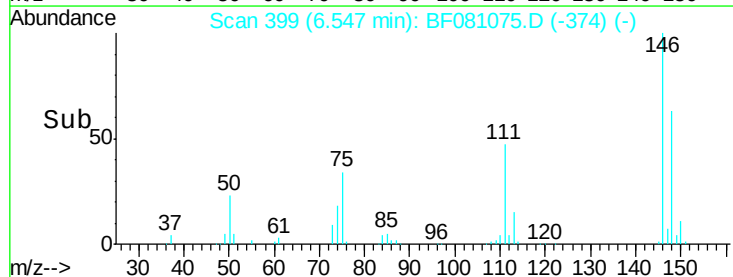
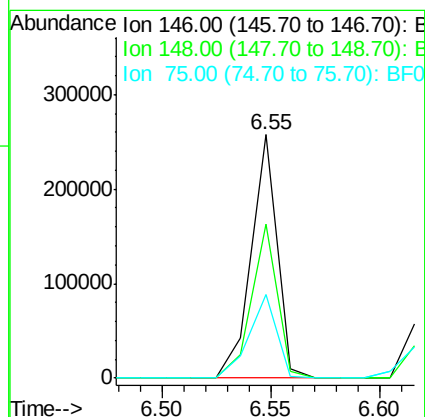
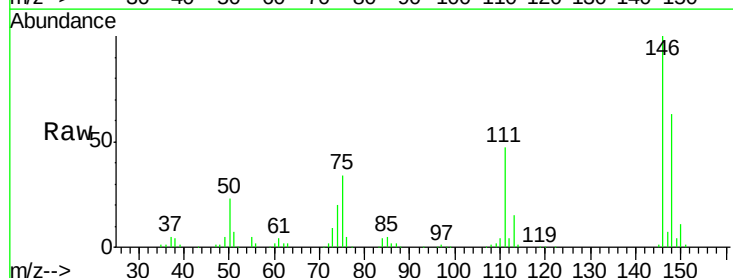
Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

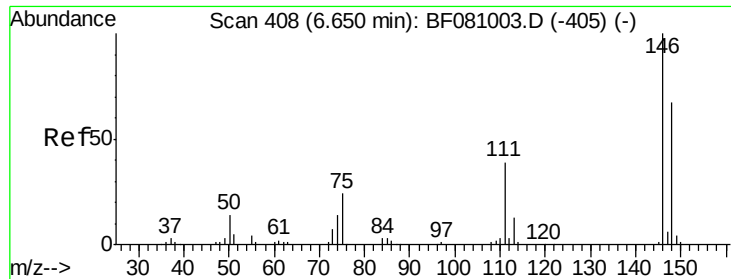
Tgt Ion: 93 Resp: 354887
Ion Ratio Lower Upper
93 100
63 97.6 69.6 109.6
95 30.6 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 41.48 ng
RT: 6.55 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion: 146 Resp: 212762
Ion Ratio Lower Upper
146 100
148 63.2 53.3 79.9
75 34.4 25.0 37.6

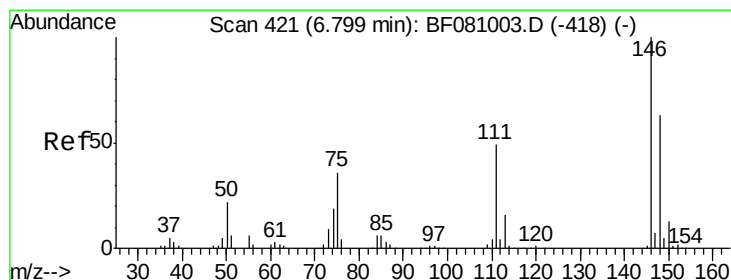
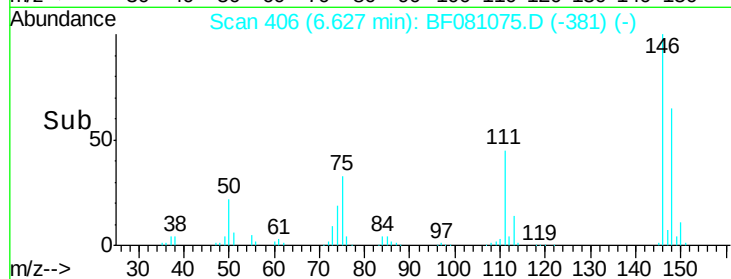
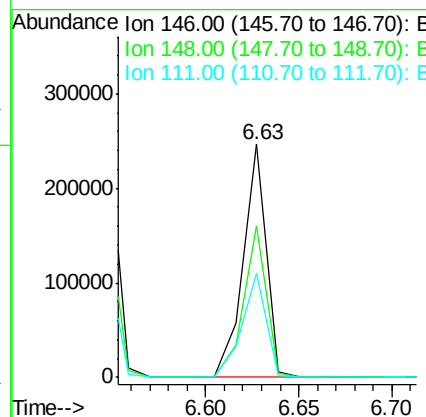
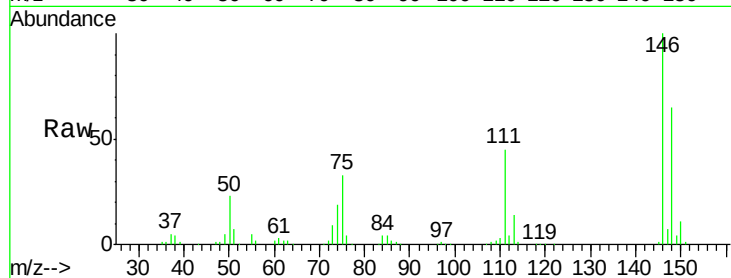




#13
 1,4-Dichlorobenzene
 Concen: 41.83 ng
 RT: 6.63 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

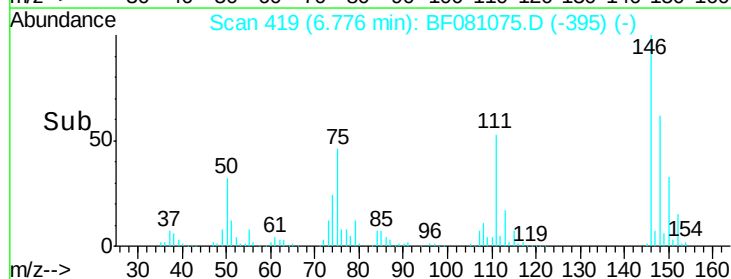
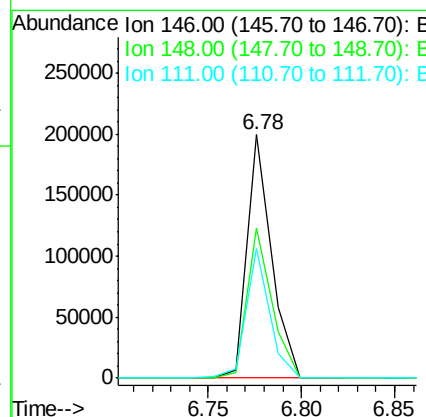
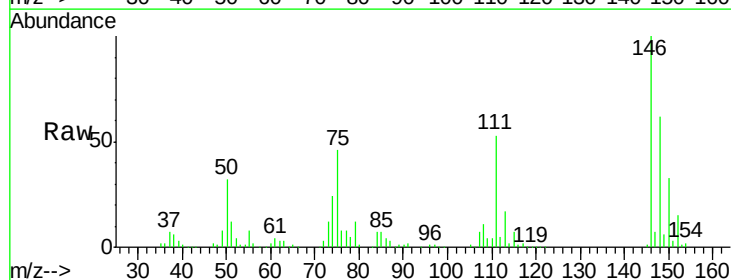
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

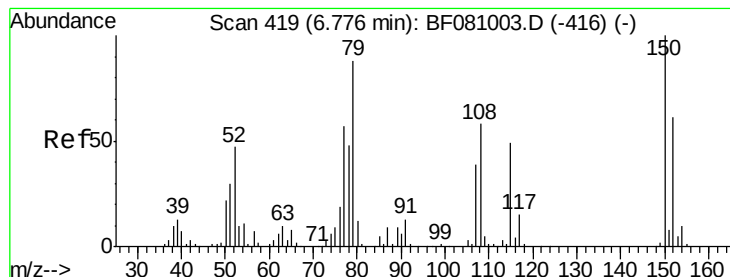
Tgt Ion:146 Resp: 212450
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.3 78.5
 111 44.8 34.4 51.6



#14
 1,2-Dichlorobenzene
 Concen: 38.29 ng
 RT: 6.78 min Scan# 419
 Delta R.T. -0.02 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:146 Resp: 182024
 Ion Ratio Lower Upper
 146 100
 148 61.9 48.7 73.1
 111 53.3 42.3 63.5





#15

Benzyl Alcohol

Concen: 41.64 ng

RT: 6.76 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

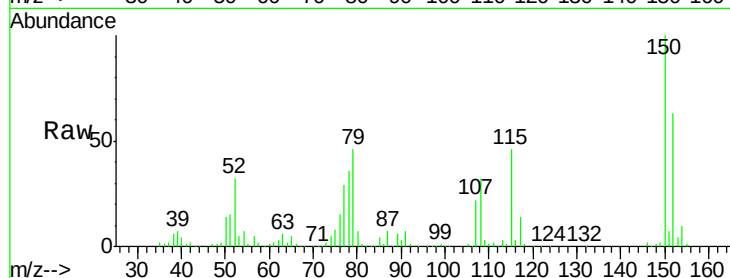
Tgt Ion: 79 Resp: 191705

Ion Ratio Lower Upper

79 100

108 68.8 49.4 74.2

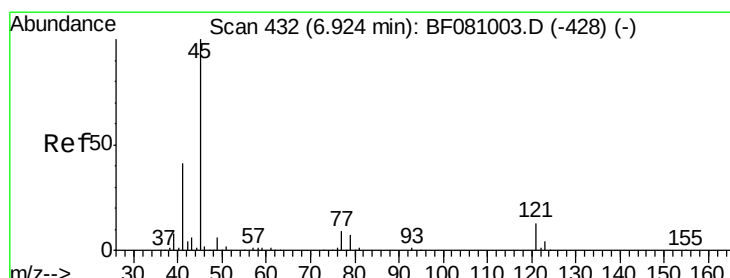
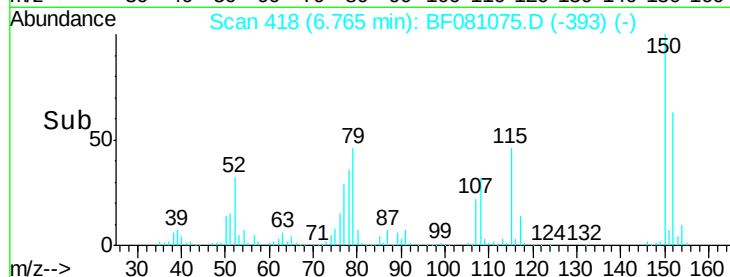
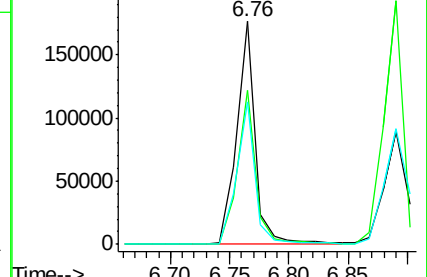
77 63.7 51.4 77.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.11 ng

RT: 6.90 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

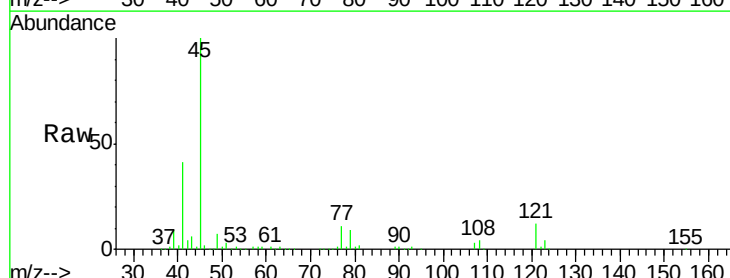
Tgt Ion: 45 Resp: 406406

Ion Ratio Lower Upper

45 100

77 11.3 0.0 30.2

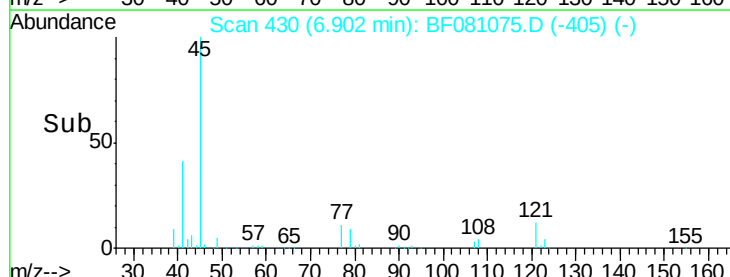
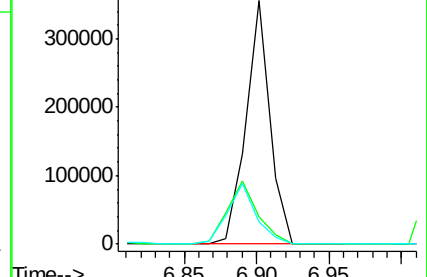
79 9.0 0.0 28.0

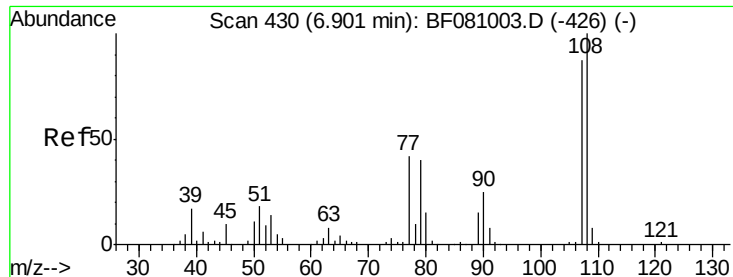


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

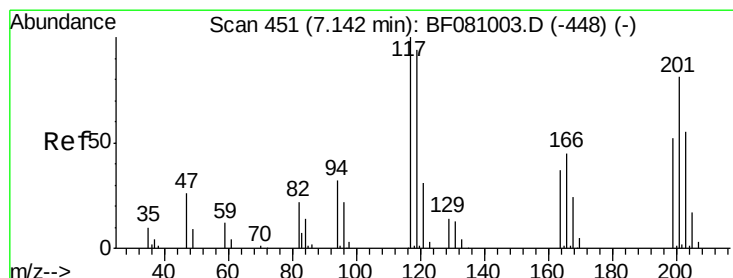
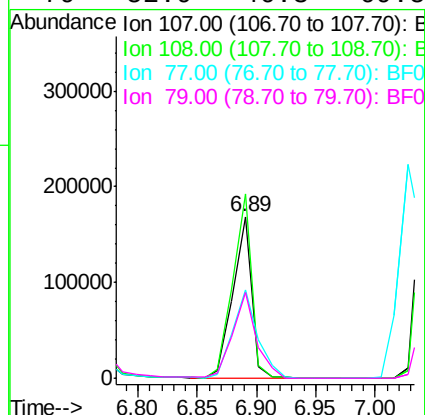
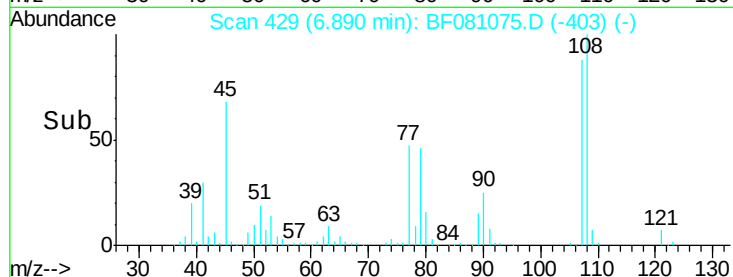
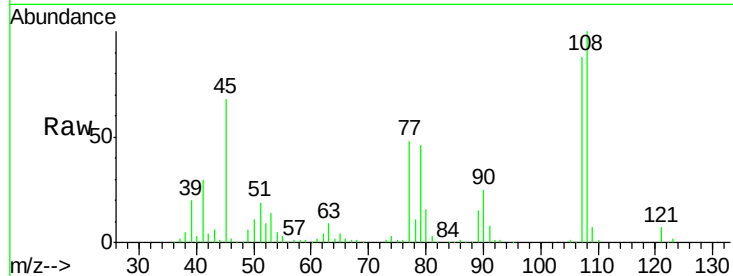




#17
2-Methylphenol
Concen: 45.63 ng
RT: 6.89 min Scan# 429
Delta R.T. 0.00 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

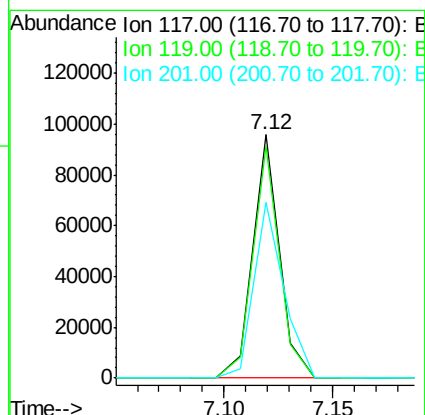
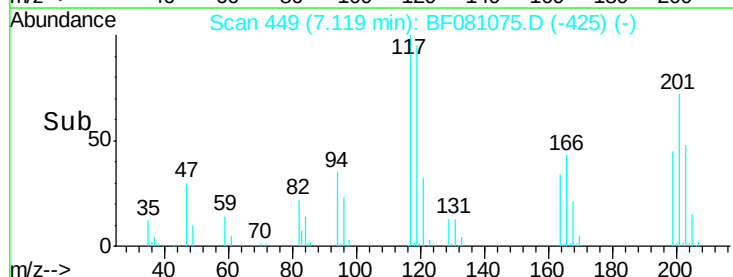
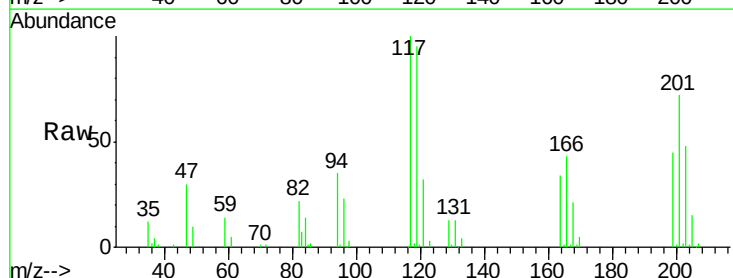
Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

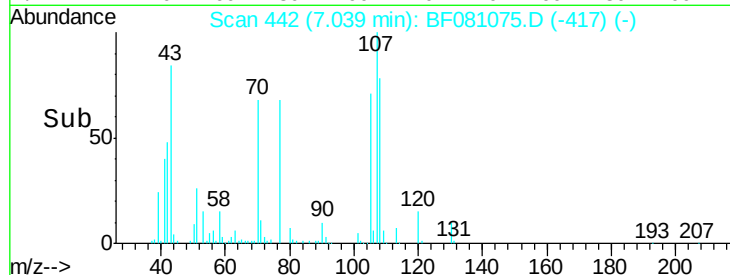
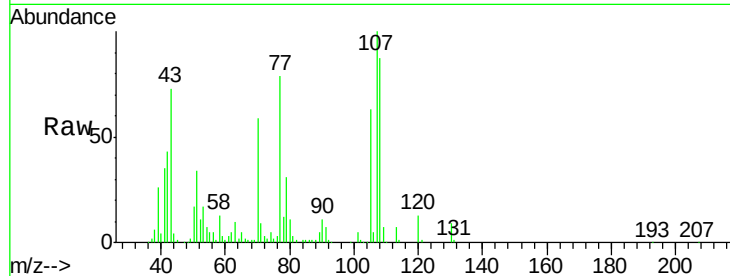
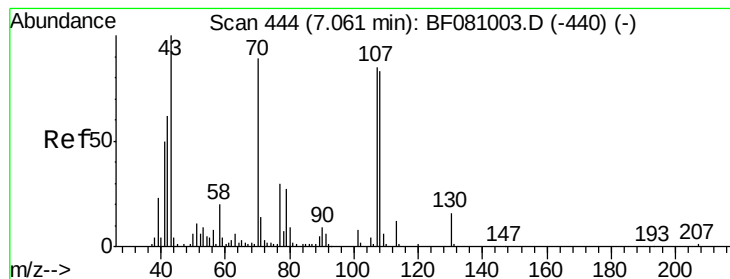
Tgt Ion:107 Resp: 186910
Ion Ratio Lower Upper
107 100
108 114.2 90.4 135.6
77 54.3 46.5 69.7
79 52.9 46.3 69.5



#18
Hexachloroethane
Concen: 39.47 ng
RT: 7.12 min Scan# 449
Delta R.T. -0.02 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion:117 Resp: 80996
Ion Ratio Lower Upper
117 100
119 95.2 77.9 116.9
201 72.3 61.3 91.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.37 ng

RT: 7.04 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

Tgt Ion: 70 Resp: 178838

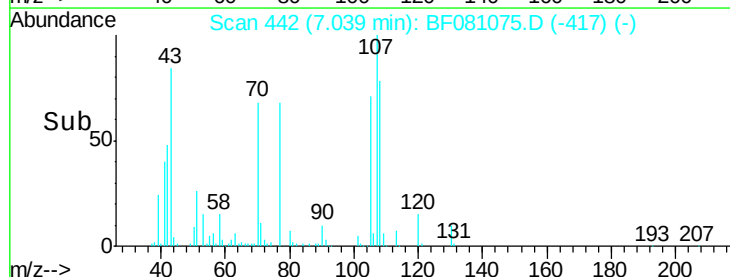
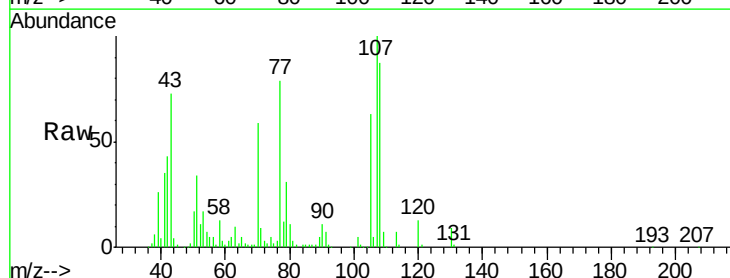
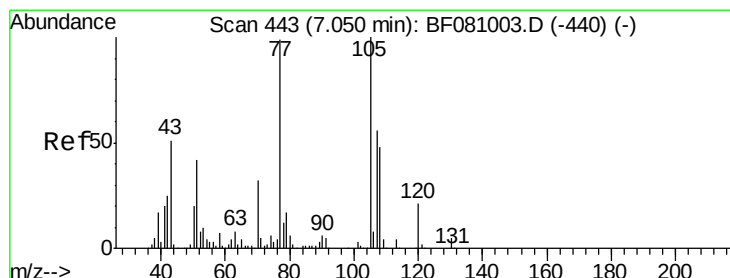
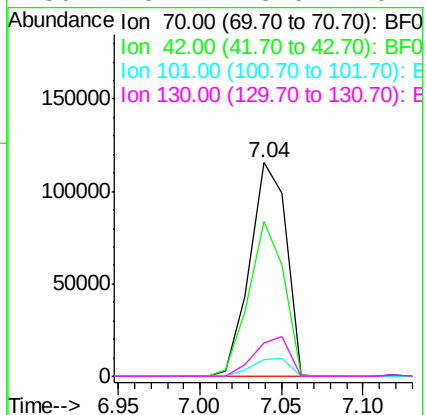
Ion Ratio Lower Upper

70 100

42 72.8 65.0 97.4

101 8.0 7.4 11.2

130 15.4 13.0 19.4



#20

3+4-Methylphenols

Concen: 42.37 ng

RT: 7.04 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Tgt Ion: 107 Resp: 220254

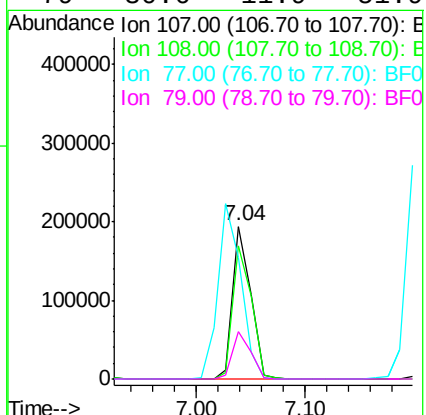
Ion Ratio Lower Upper

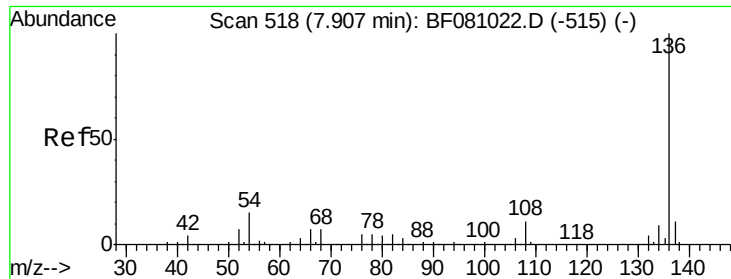
107 100

108 87.0 66.1 106.1

77 79.4 139.3 179.3#

79 30.6 11.9 51.9

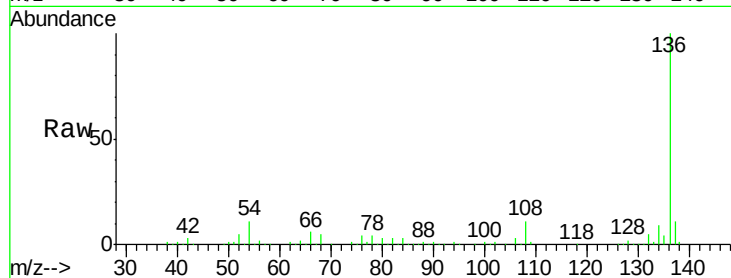




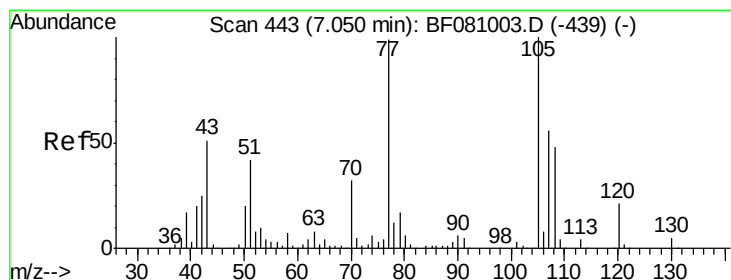
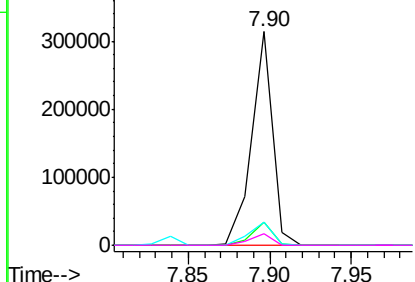
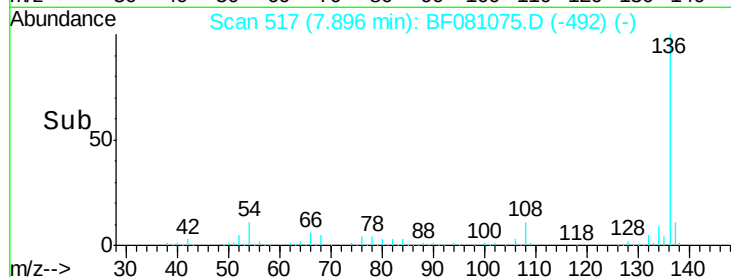
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

Tgt Ion:	136	Resp:	278673
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.2
54	10.7	7.7	11.5
68	5.5	3.4	5.2#

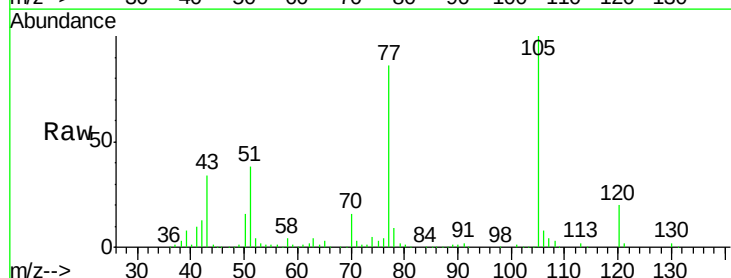


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

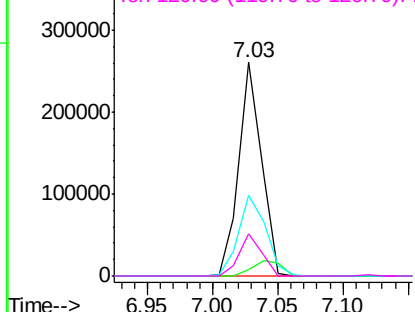
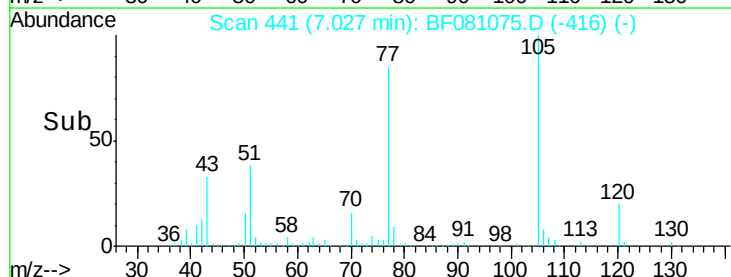


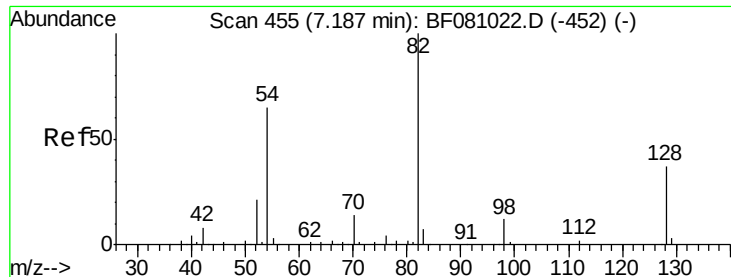
#22
Acetophenone
Concen: 42.92 ng
RT: 7.03 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion:	105	Resp:	314042
Ion Ratio	Lower	Upper	
105	100		
71	2.7	3.0	4.6#
51	37.8	39.8	59.8#
120	19.7	15.8	23.8



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

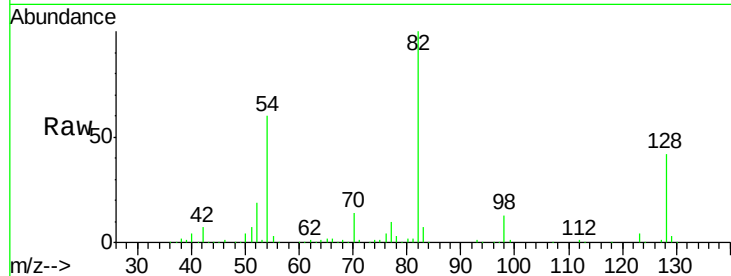




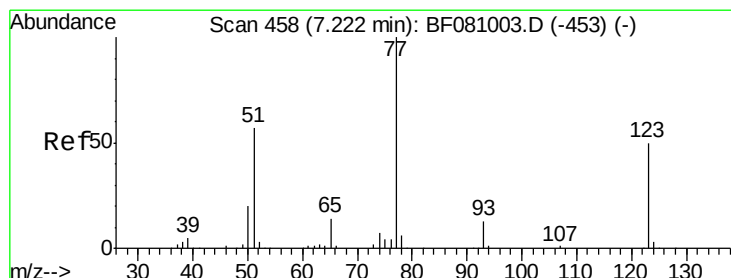
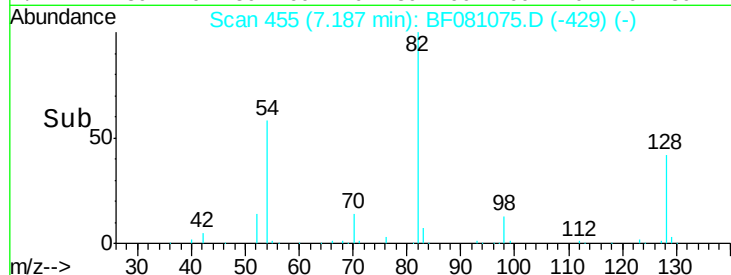
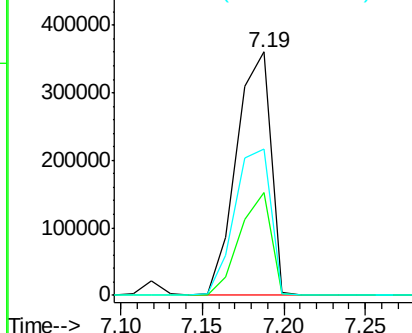
#23
Nitrobenzene-d5
Concen: 85.89 ng
RT: 7.19 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	28.6	42.8
54	60.3	55.1	82.7

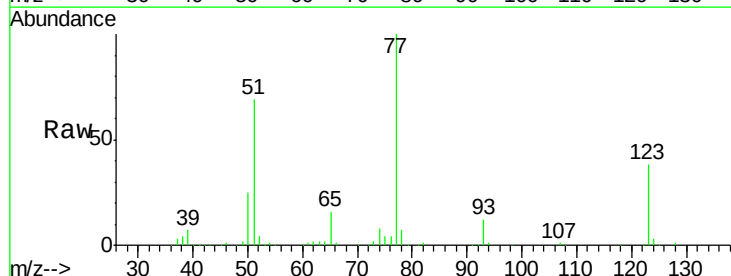


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

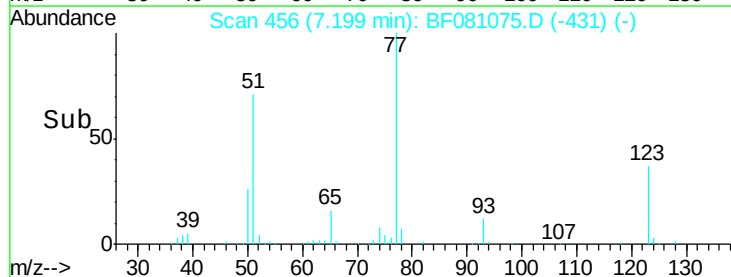
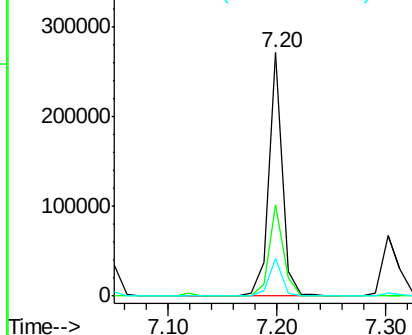


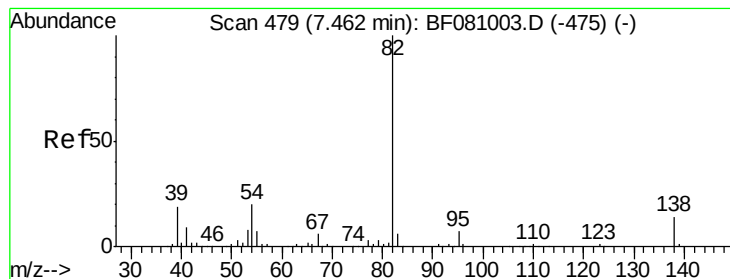
#24
Nitrobenzene
Concen: 37.29 ng
RT: 7.20 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.6	32.9	49.3
65	15.6	12.5	18.7



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: 39.23 ng

RT: 7.44 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

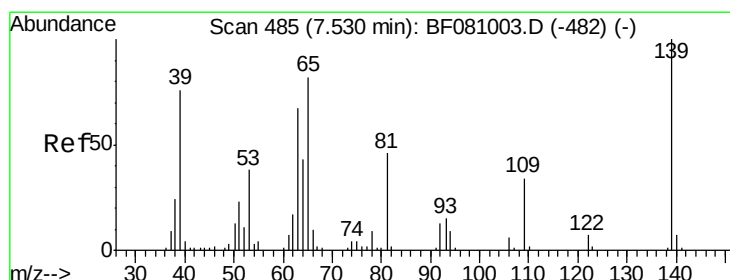
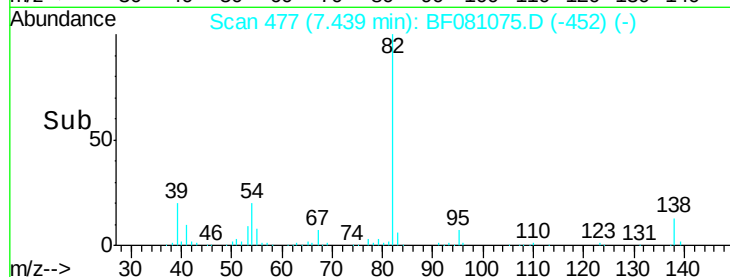
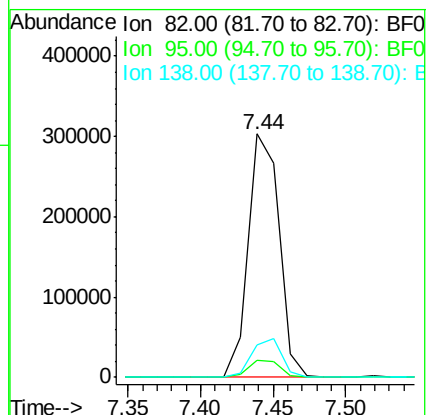
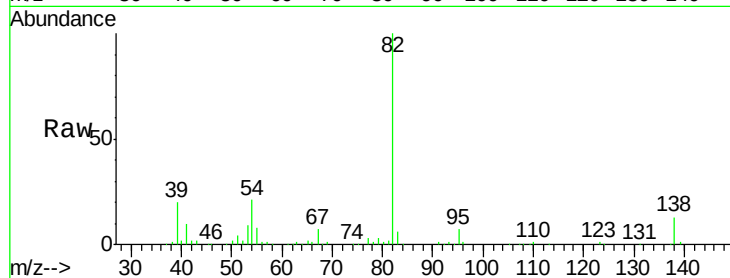
Tgt Ion: 82 Resp: 446319

Ion Ratio Lower Upper

82 100

95 6.9 6.2 9.2

138 13.2 10.5 15.7



#26

2-Nitrophenol

Concen: 46.07 ng

RT: 7.52 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

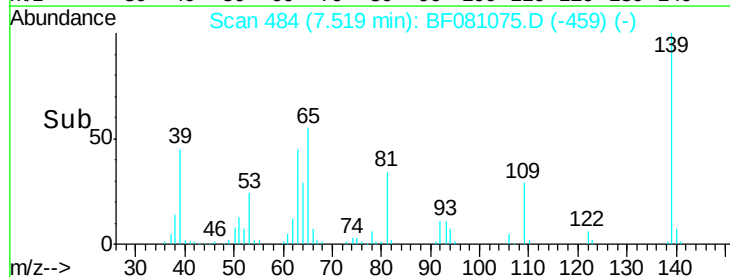
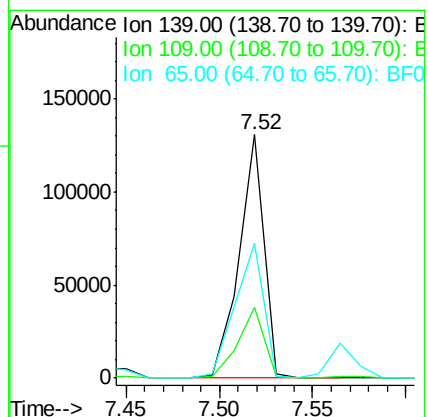
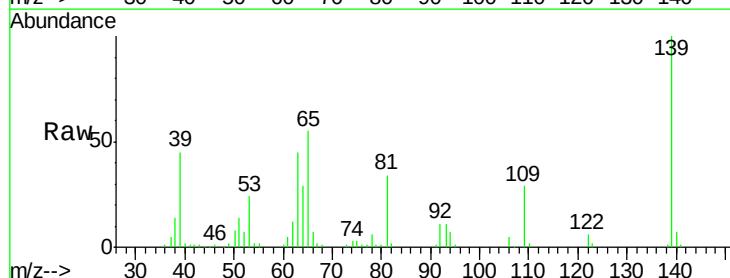
Tgt Ion: 139 Resp: 122198

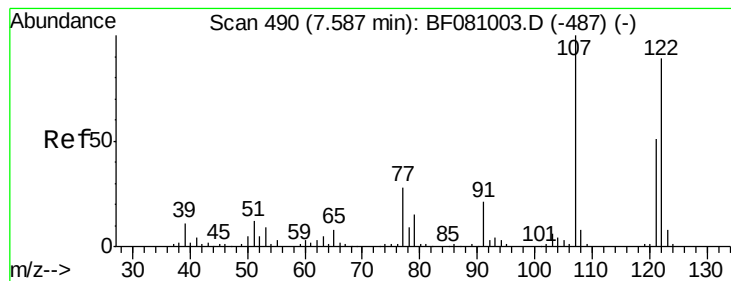
Ion Ratio Lower Upper

139 100

109 29.3 32.1 48.1#

65 55.3 69.9 104.9#





#27

2,4-Dimethylphenol

Concen: 35.03 ng

RT: 7.56 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

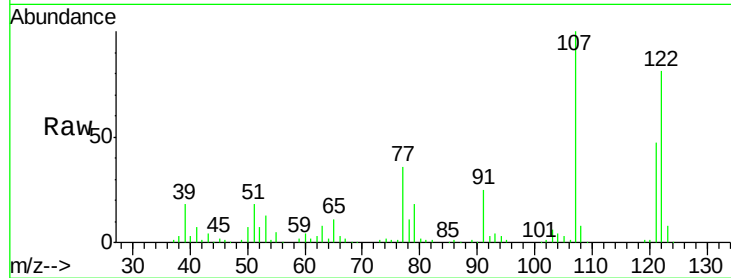
Tgt Ion:122 Resp: 164403

Ion Ratio Lower Upper

122 100

107 123.3 103.8 155.6

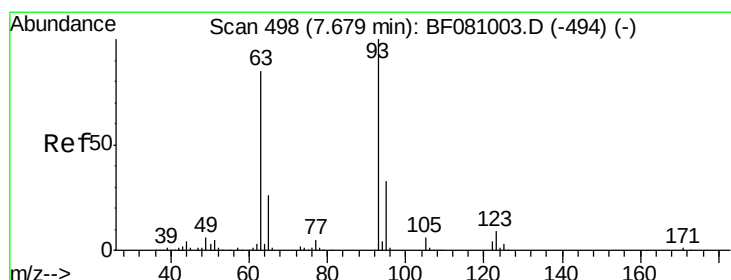
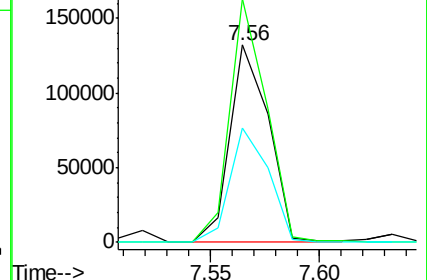
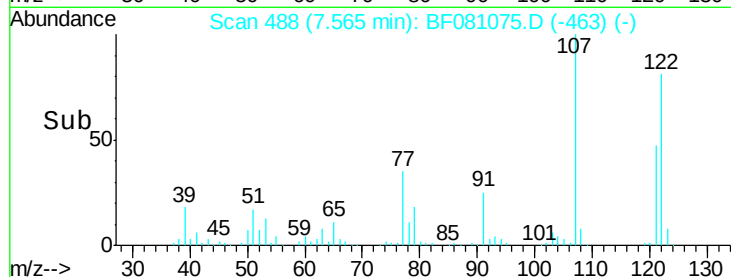
121 58.0 47.0 70.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.00 ng

RT: 7.67 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

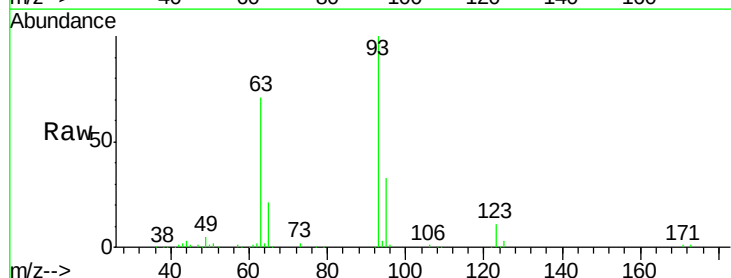
Tgt Ion: 93 Resp: 288981

Ion Ratio Lower Upper

93 100

95 33.2 25.8 38.8

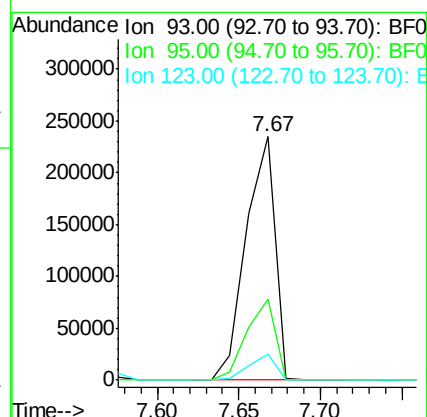
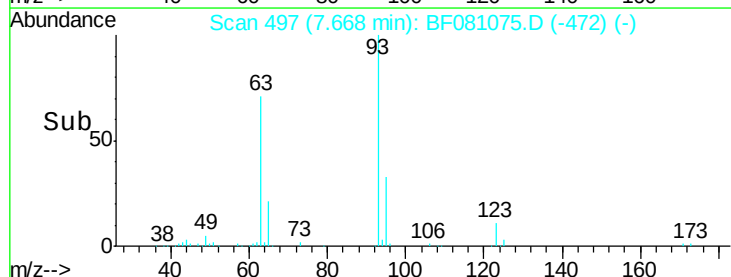
123 10.5 7.4 11.0

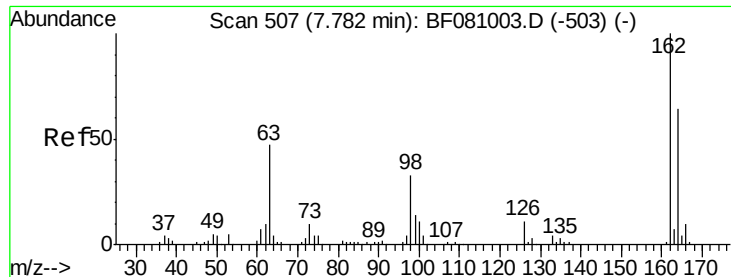


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

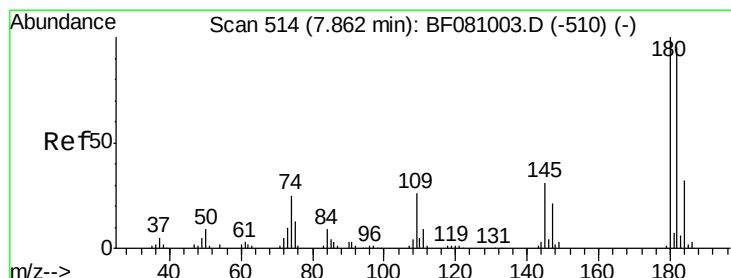
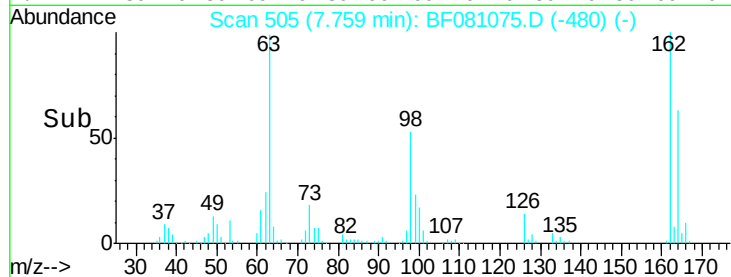
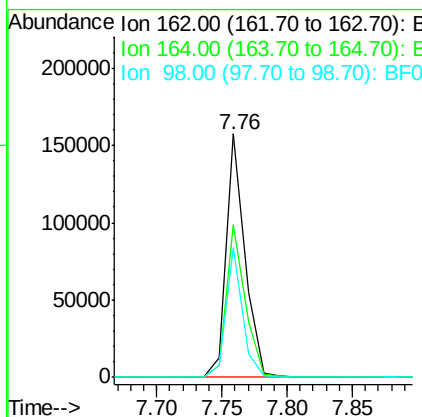
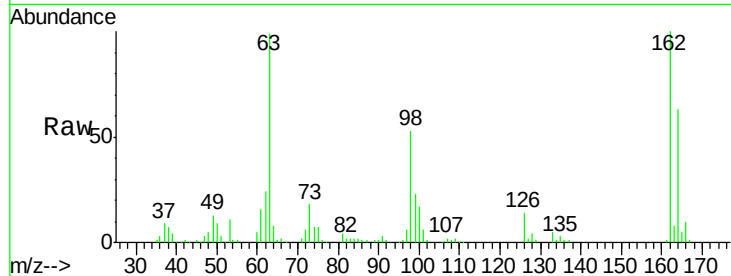




#29
 2,4-Dichlorophenol
 Concen: 39.90 ng
 RT: 7.76 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

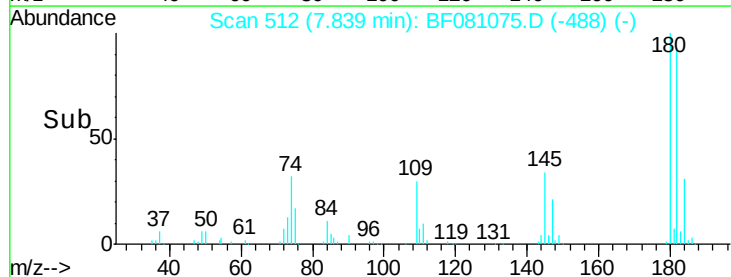
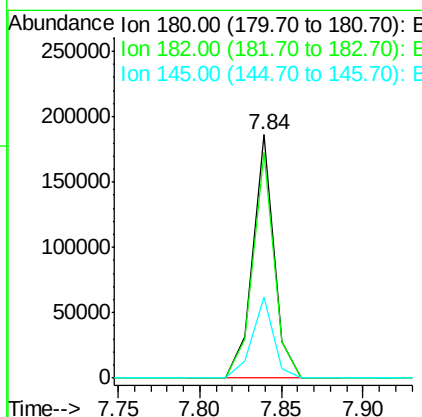
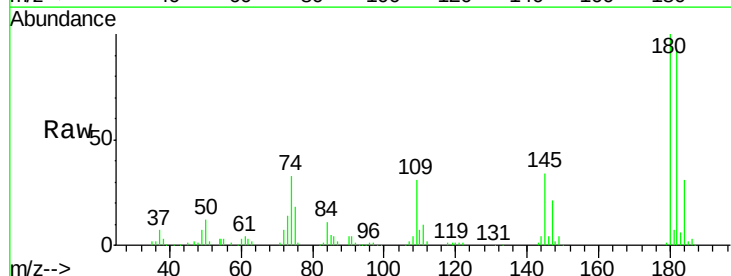
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

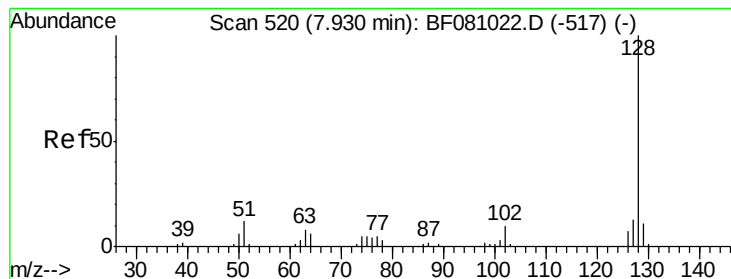
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.2	83.2
98	53.4	12.3	52.3



#30
 1,2,4-Trichlorobenzene
 Concen: 38.51 ng
 RT: 7.84 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.4	114.6
145	33.5	25.4	38.2





#31

Naphthalene

Concen: 41.27 ng

RT: 7.92 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

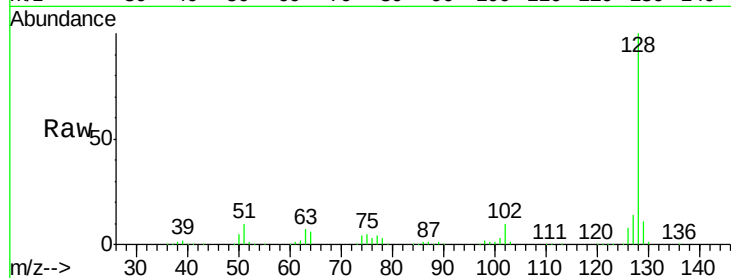
Tgt Ion:128 Resp: 641020

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

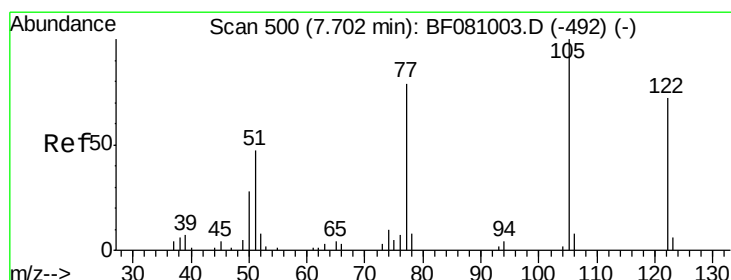
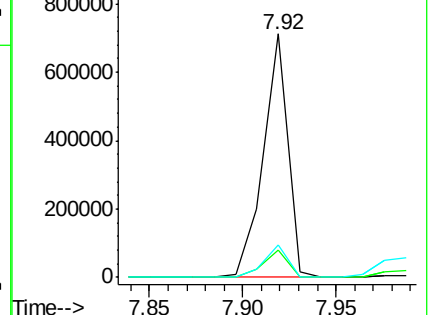
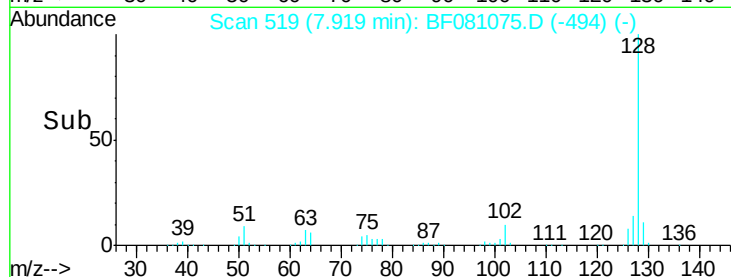
127 13.6 10.6 16.0



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: 2.71 ng

RT: 7.63 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

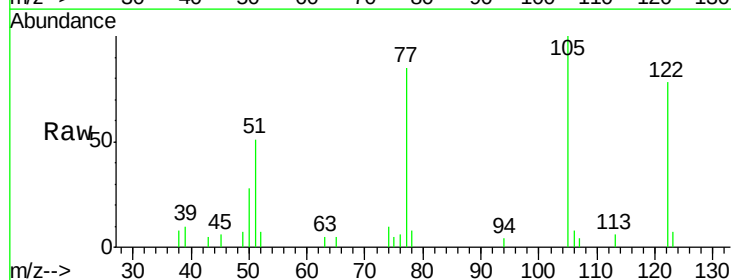
Tgt Ion:122 Resp: 7141

Ion Ratio Lower Upper

122 100

105 128.6 113.8 153.8

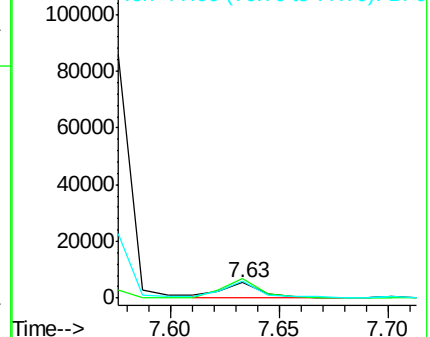
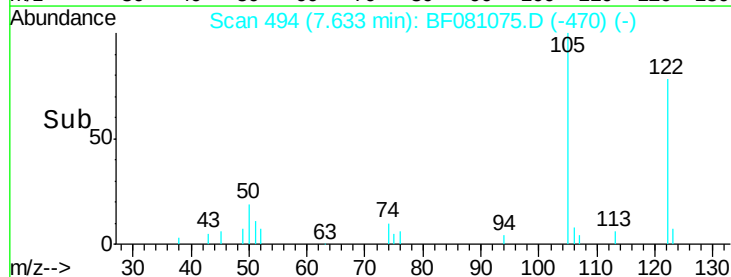
77 109.6 93.8 133.8

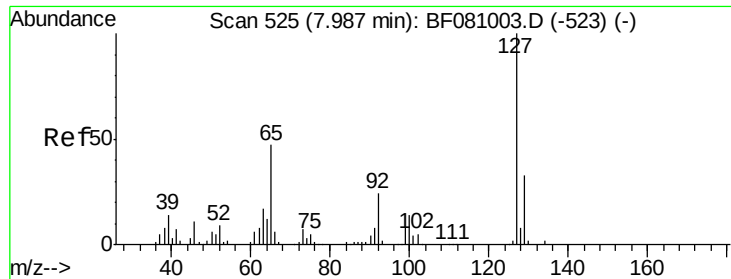


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

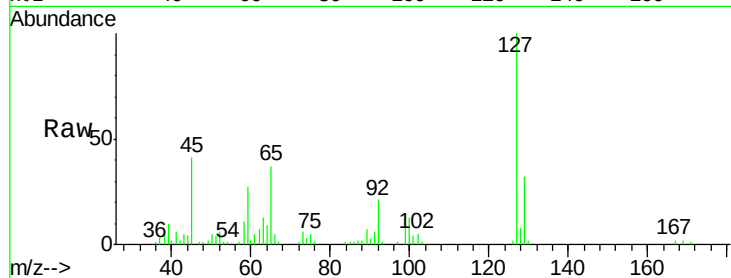




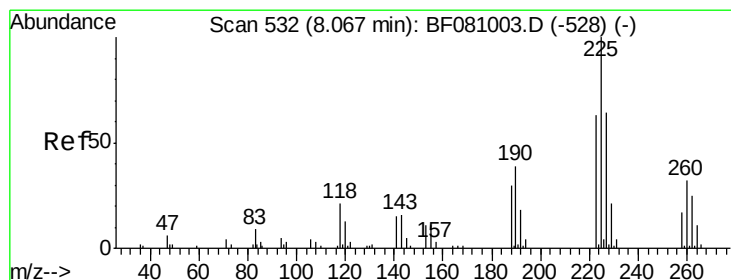
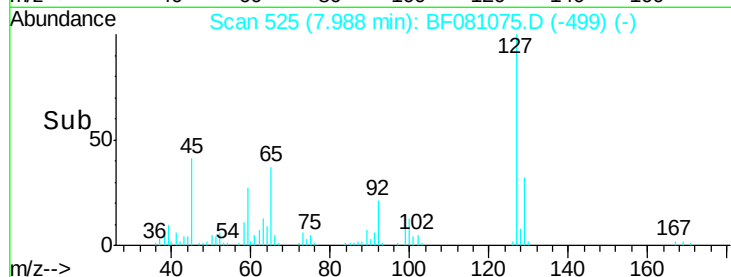
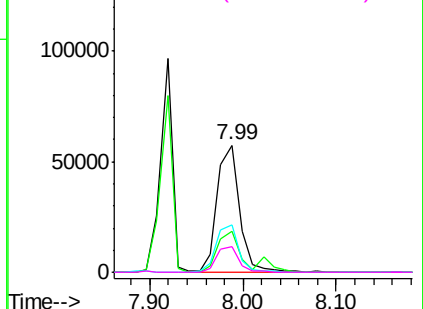
#33
 4-Chloroaniline
 Concen: 14.72 ng
 RT: 7.99 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion:	127	Resp:	96476
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.2	37.8
65	37.0	37.8	56.6#
92	20.6	19.5	29.3

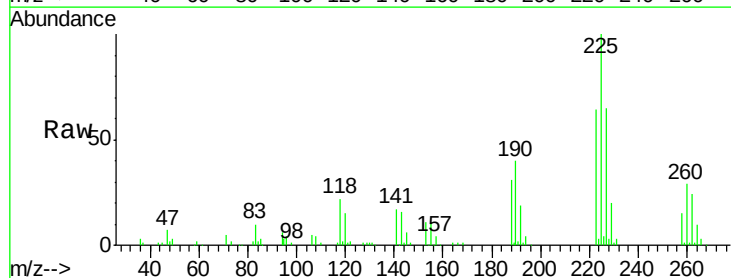


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

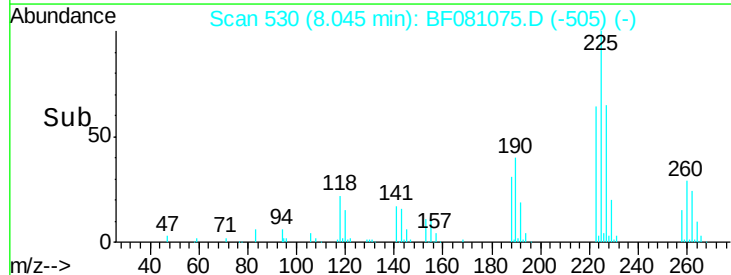
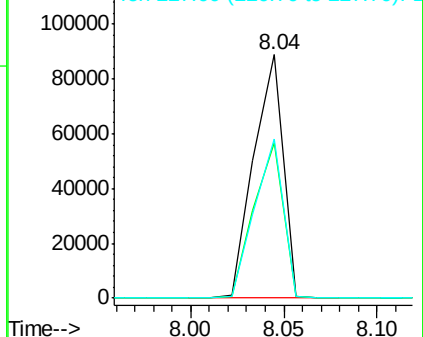


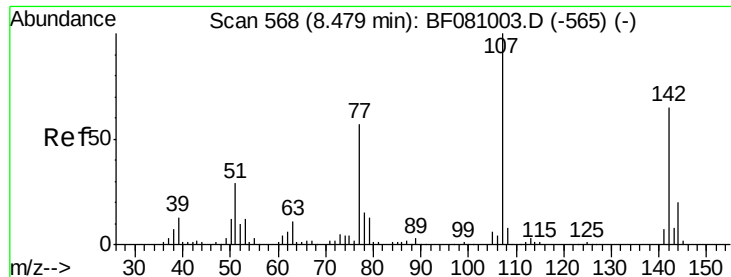
#34
 Hexachlorobutadiene
 Concen: 39.00 ng
 RT: 8.04 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:	225	Resp:	96849
Ion	Ratio	Lower	Upper
225	100		
223	63.5	52.6	79.0
227	65.4	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#36

4-Chloro-3-methylphenol

Concen: 42.76 ng

RT: 8.47 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

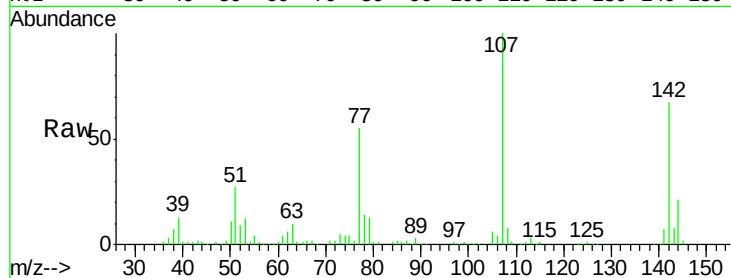
Tgt Ion:107 Resp: 201318

Ion Ratio Lower Upper

107 100

144 21.3 17.2 25.8

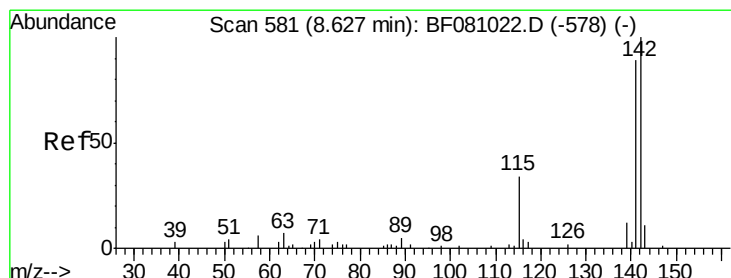
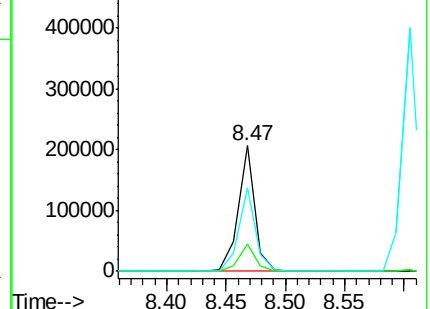
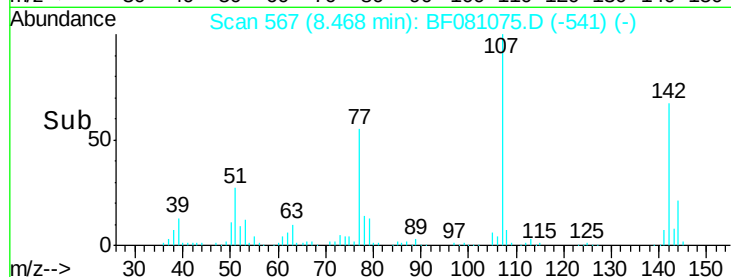
142 66.7 54.9 82.3



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: 37.18 ng

RT: 8.60 min Scan# 579

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

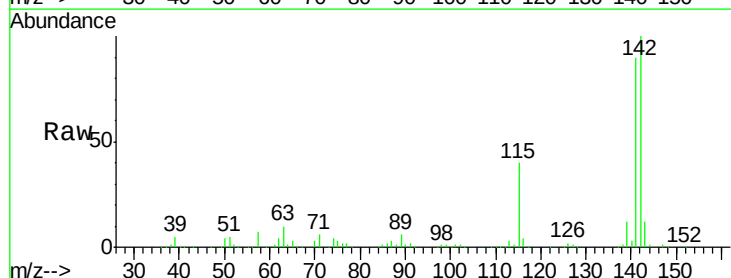
Tgt Ion:142 Resp: 364857

Ion Ratio Lower Upper

142 100

141 89.8 71.4 107.2

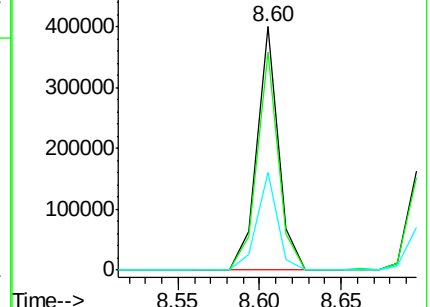
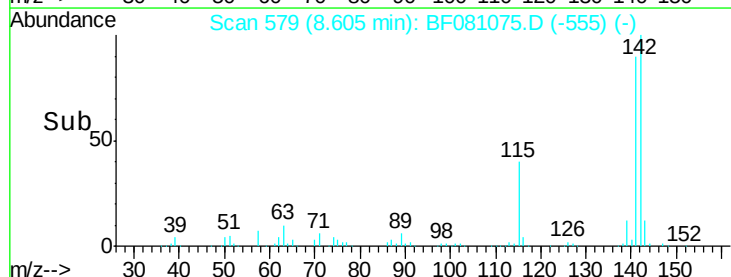
115 40.3 33.4 50.0

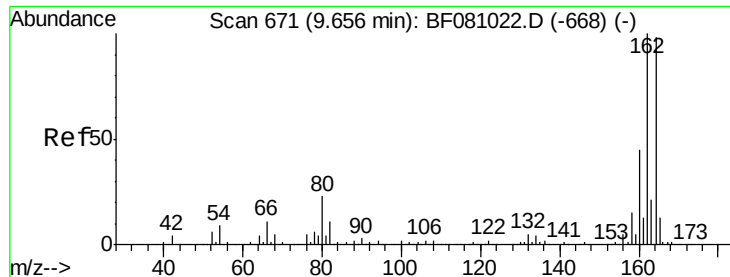


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

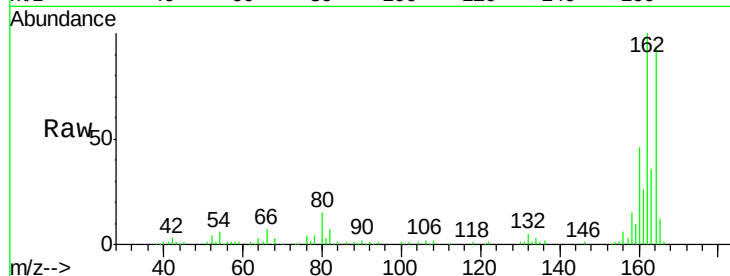
Tgt Ion:164 Resp: 126612

Ion Ratio Lower Upper

164 100

162 106.2 83.8 125.8

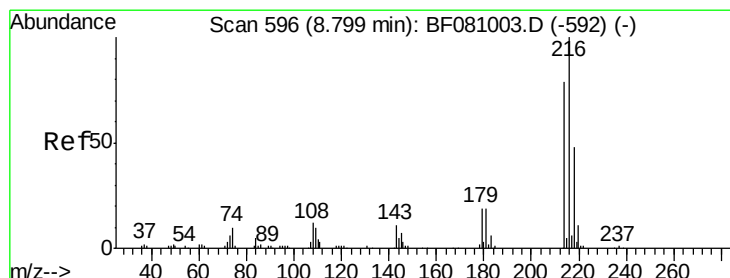
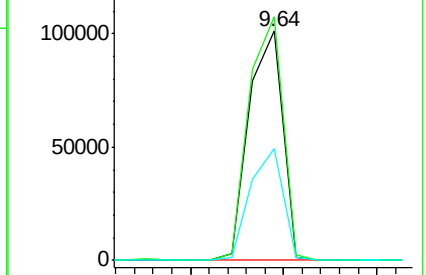
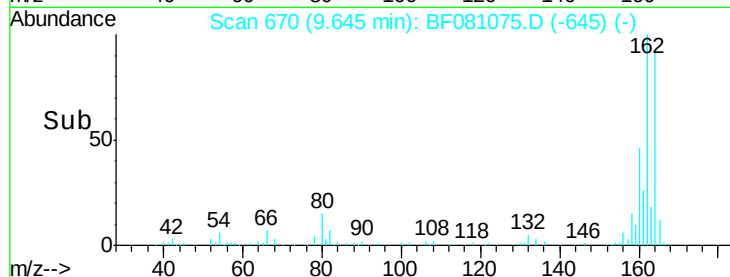
160 48.6 39.8 59.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.84 ng

RT: 8.78 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Tgt Ion:216 Resp: 175005

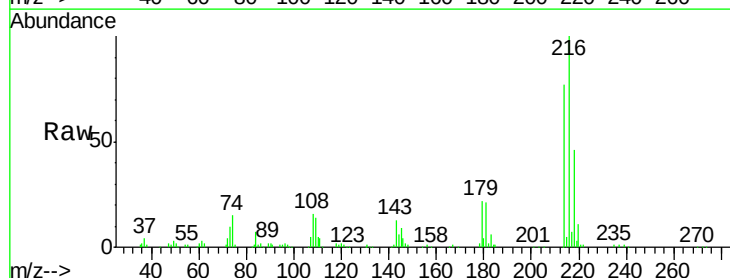
Ion Ratio Lower Upper

216 100

214 78.3 63.8 95.8

179 22.5 17.8 26.8

108 21.9 16.2 24.2

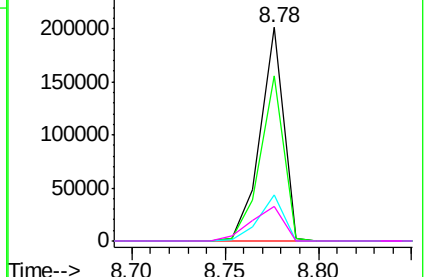
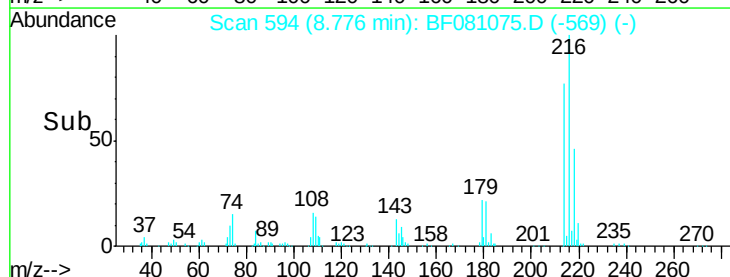


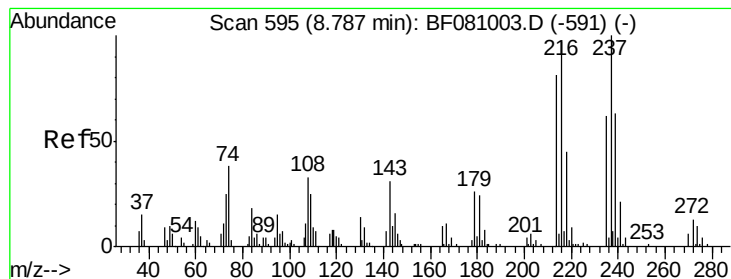
Abundance Ion 216.00 (215.70 to 216.70): E

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: 64.21 ng

RT: 8.76 min Scan# 593

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

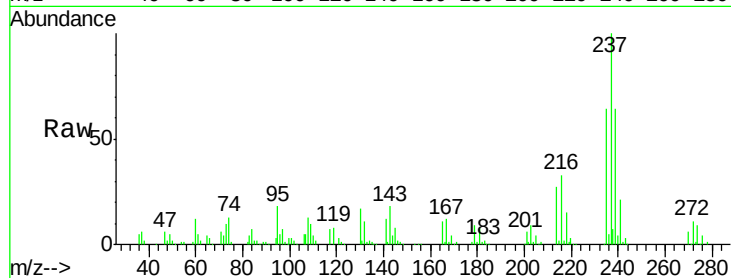
Tgt Ion: 237 Resp: 135754

Ion Ratio Lower Upper

237 100

235 63.9 43.6 83.6

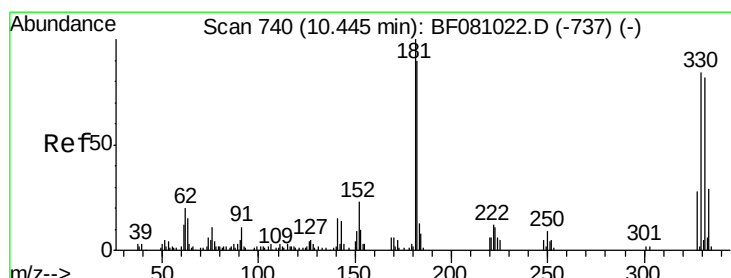
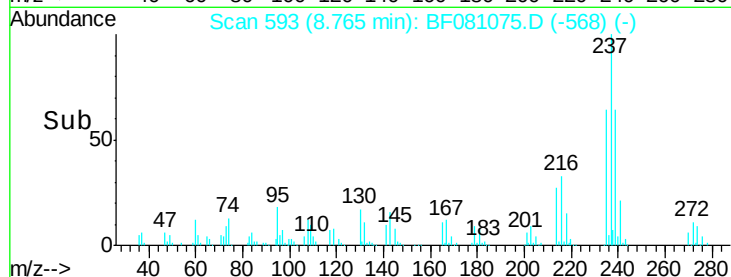
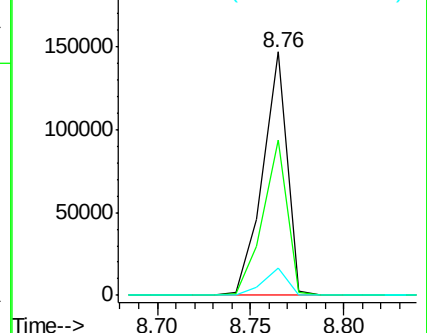
272 11.1 0.0 32.2



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: 138.48 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

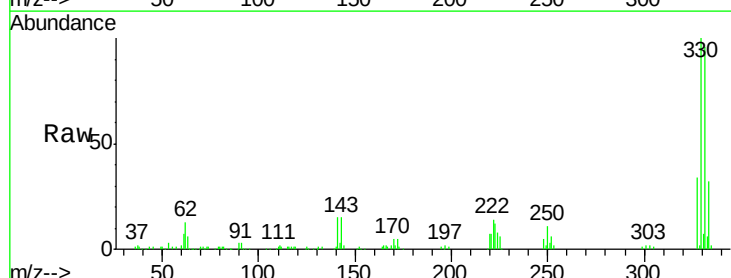
Tgt Ion: 330 Resp: 151986

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

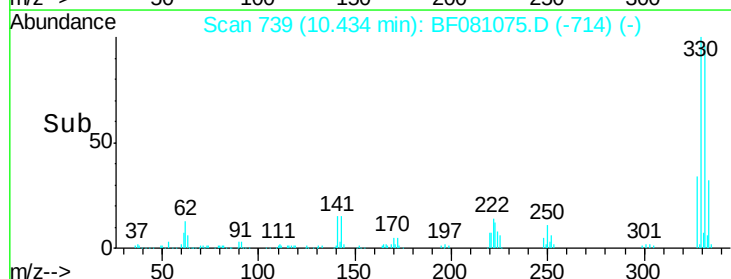
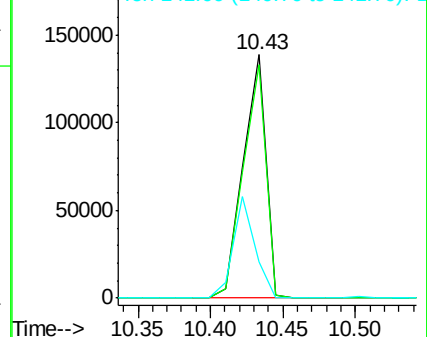
141 40.2 44.9 67.3#

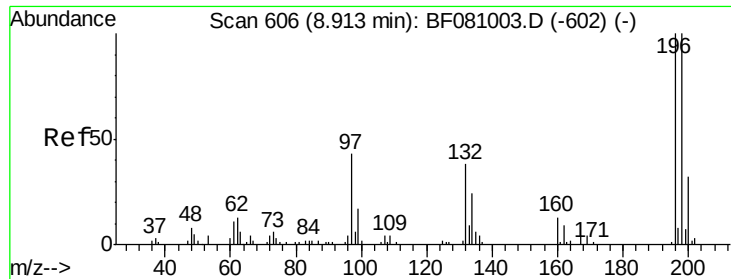


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

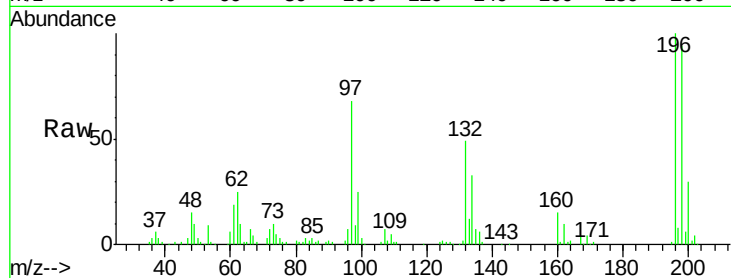




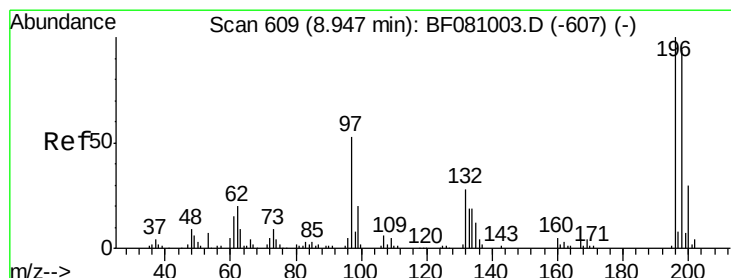
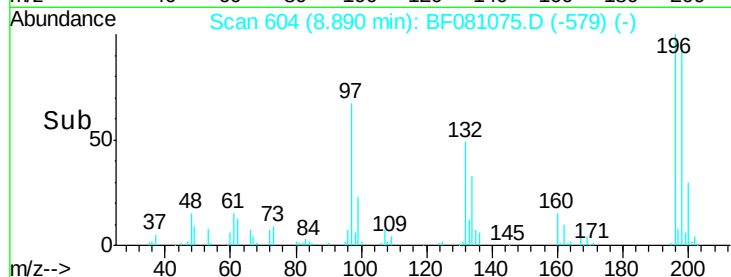
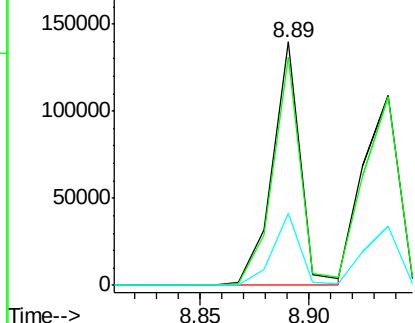
#42
 2,4,6-Trichlorophenol
 Concen: 43.69 ng
 RT: 8.89 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion:196 Resp: 126099
 Ion Ratio Lower Upper
 196 100
 198 93.9 74.6 111.8
 200 29.6 22.7 34.1



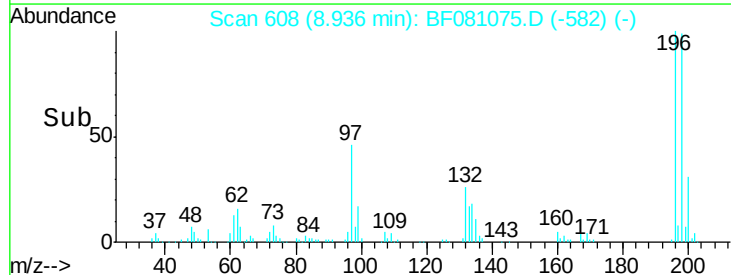
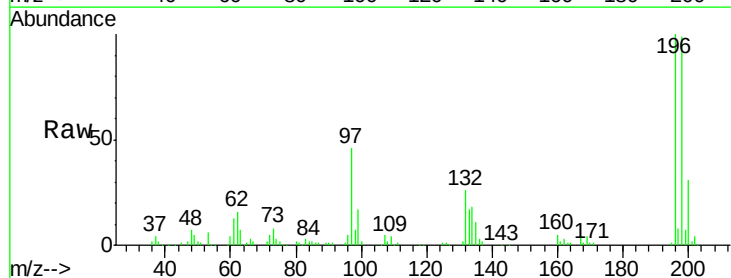
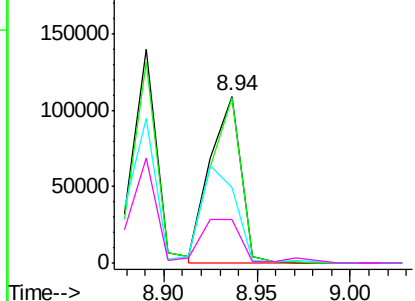
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

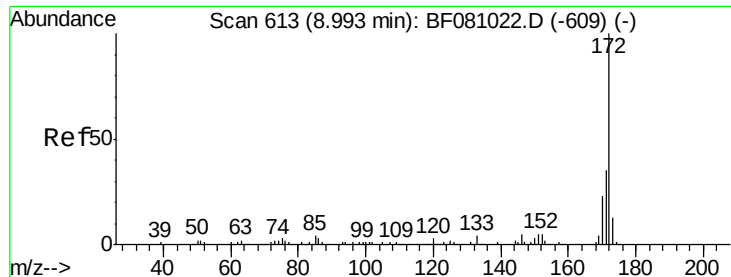


#43
 2,4,5-Trichlorophenol
 Concen: 43.62 ng
 RT: 8.94 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:196 Resp: 125816
 Ion Ratio Lower Upper
 196 100
 198 99.3 78.3 117.5
 97 45.6 42.7 64.1
 132 26.4 23.3 34.9

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: 72.02 ng

RT: 8.97 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

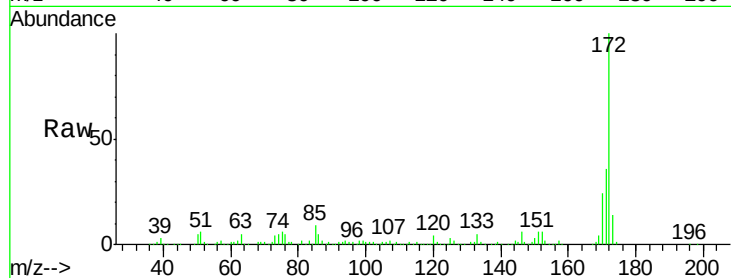
Tgt Ion:172 Resp: 695898

Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

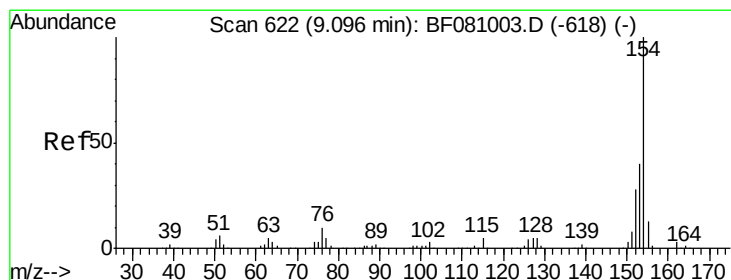
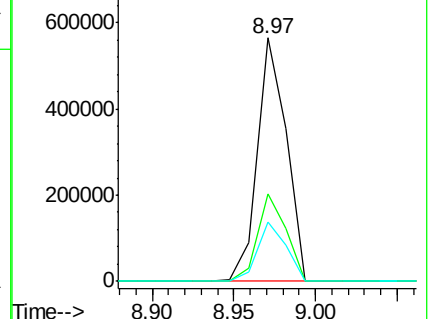
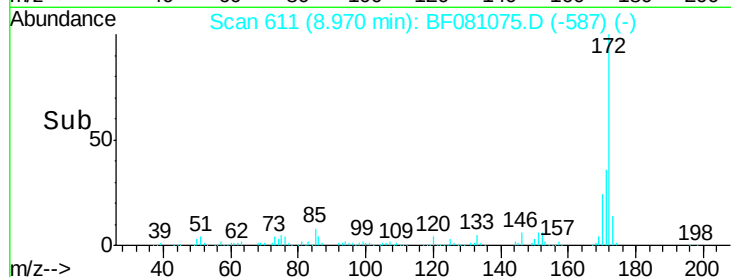
170 24.4 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 45.18 ng

RT: 9.07 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

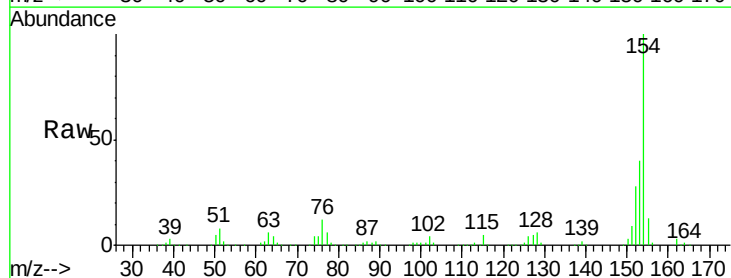
Tgt Ion:154 Resp: 503871

Ion Ratio Lower Upper

154 100

153 40.4 19.5 59.5

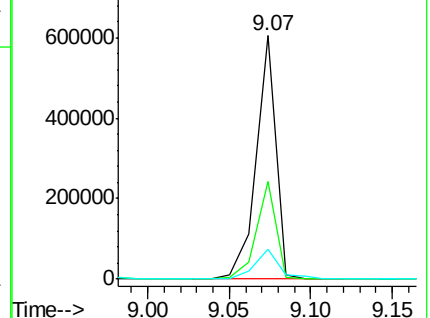
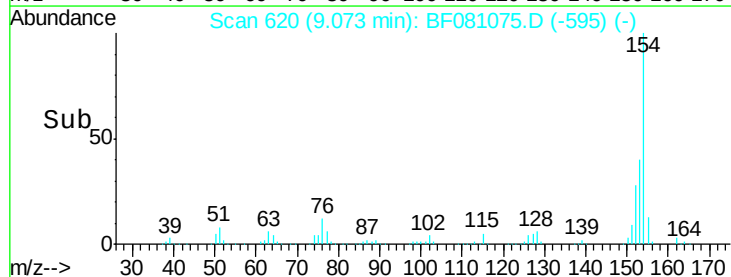
76 12.2 0.0 29.3

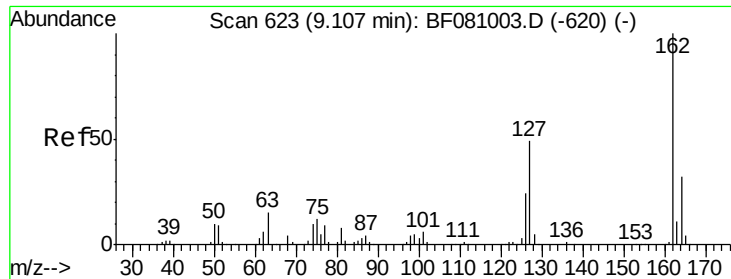


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

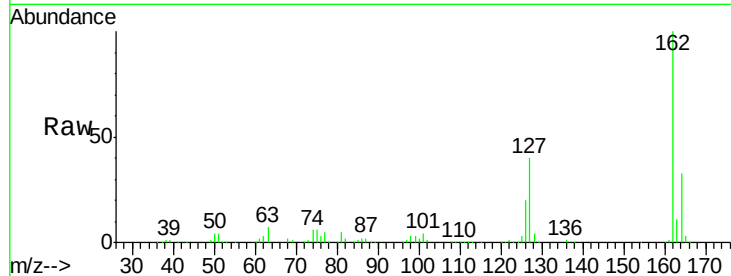




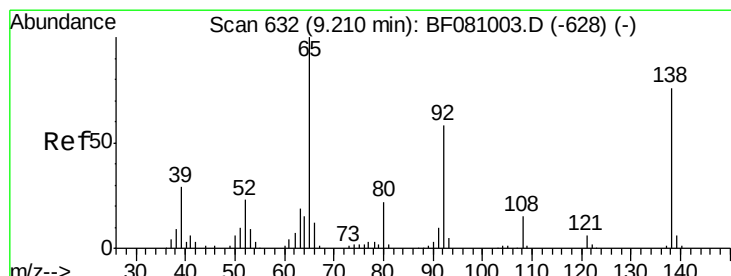
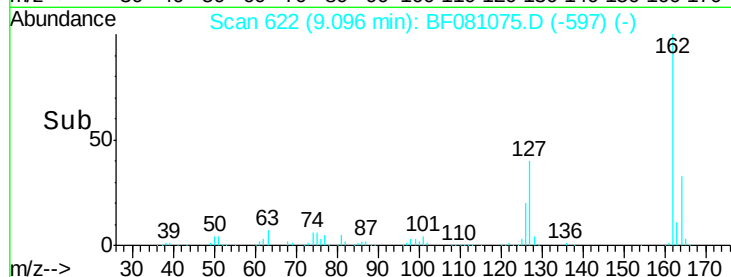
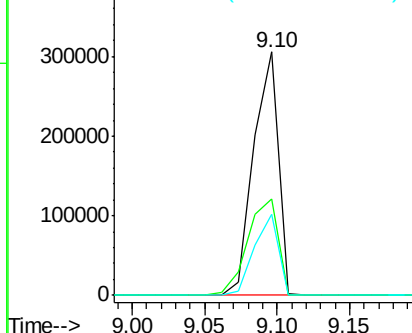
#46
 2-Chloronaphthalene
 Concen: 40.36 ng
 RT: 9.10 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.7	31.3	46.9
164	33.2	26.3	39.5

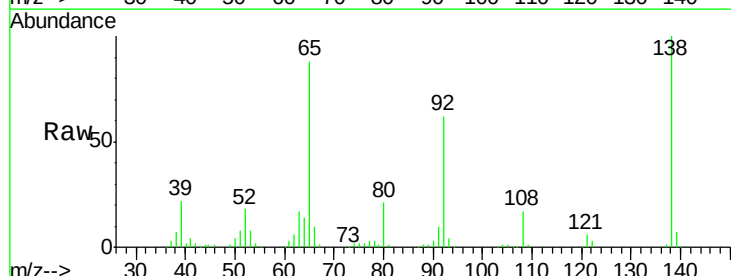


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

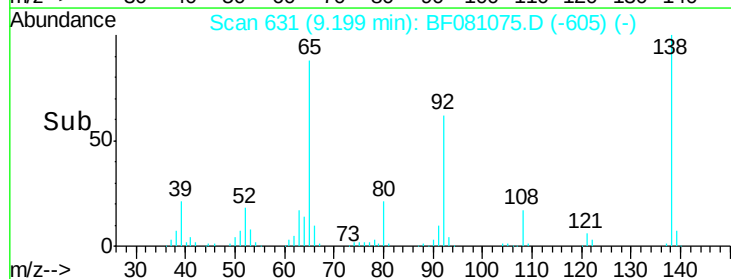
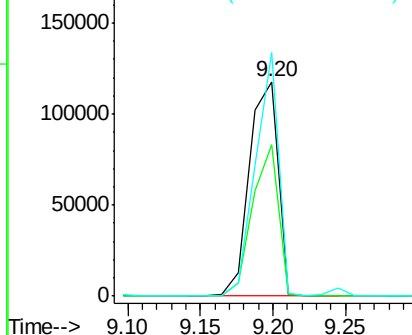


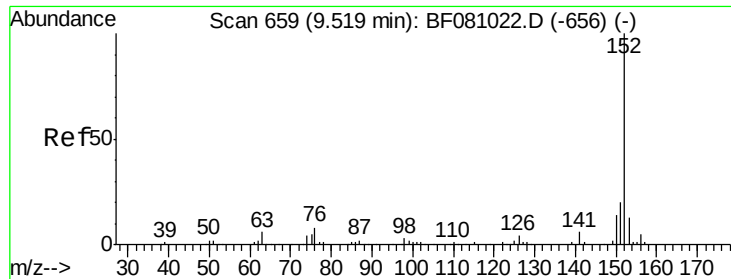
#47
 2-Nitroaniline
 Concen: 43.93 ng
 RT: 9.20 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.4	45.6	68.4#
138	113.7	57.9	86.9#



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: 36.83 ng

RT: 9.51 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

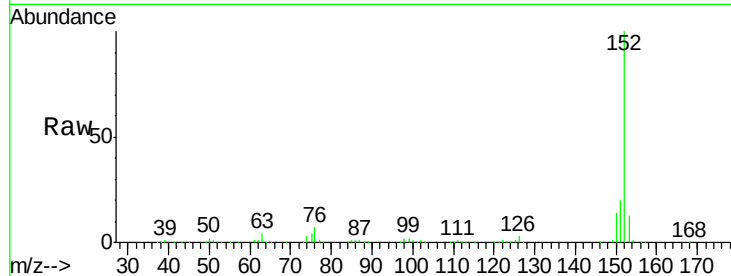
Tgt Ion:152 Resp: 590223

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

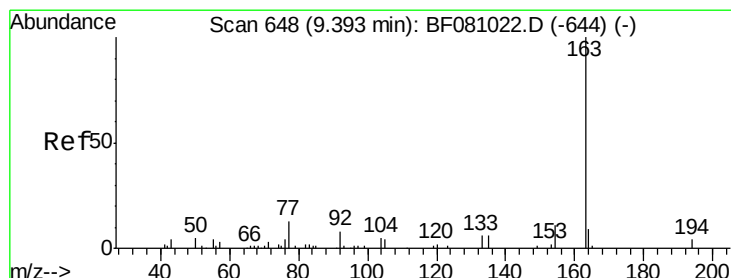
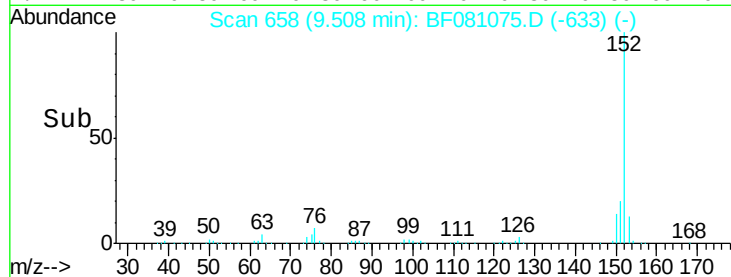
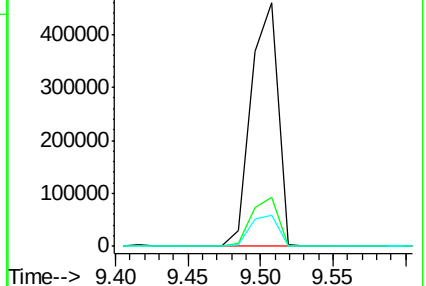
153 12.6 9.8 14.6



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: 51.35 ng

RT: 9.38 min Scan# 647

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

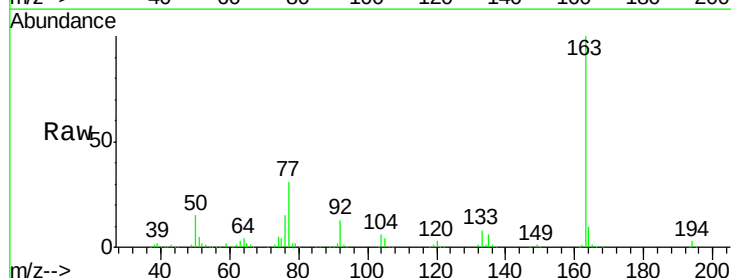
Tgt Ion:163 Resp: 535481

Ion Ratio Lower Upper

163 100

194 3.0 2.5 3.7

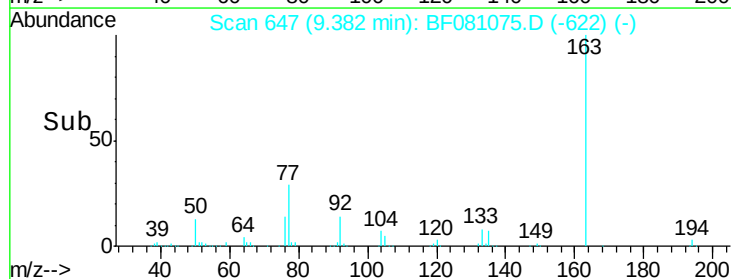
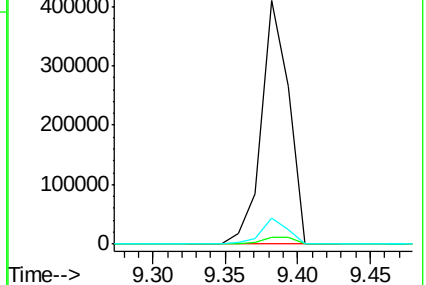
164 10.4 8.1 12.1

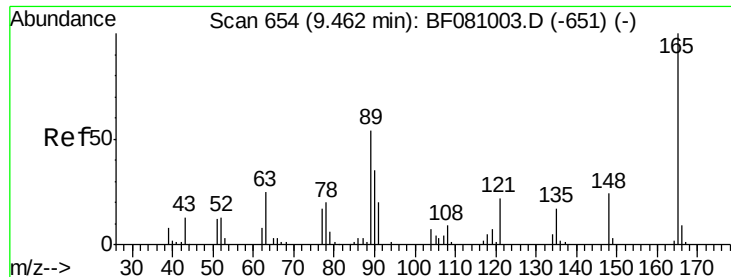


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

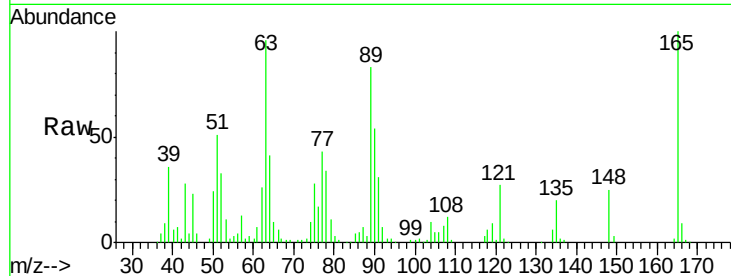




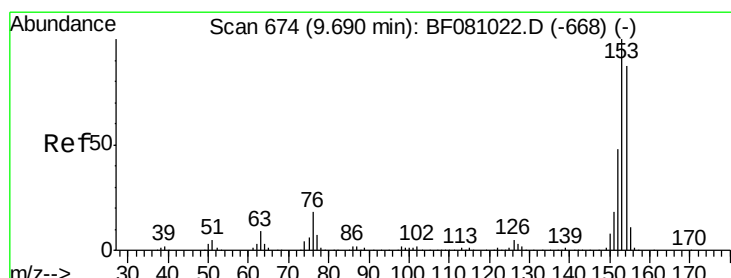
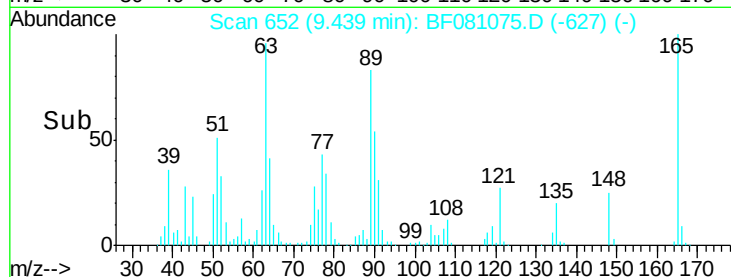
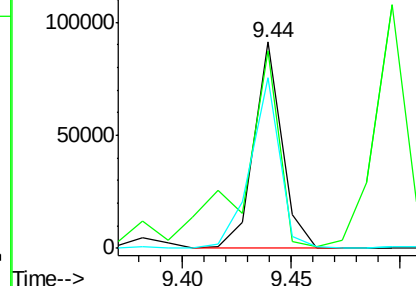
#50
 2,6-Dinitrotoluene
 Concen: 36.18 ng
 RT: 9.44 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	95.7	49.5	74.3#
89	82.6	47.6	71.4#

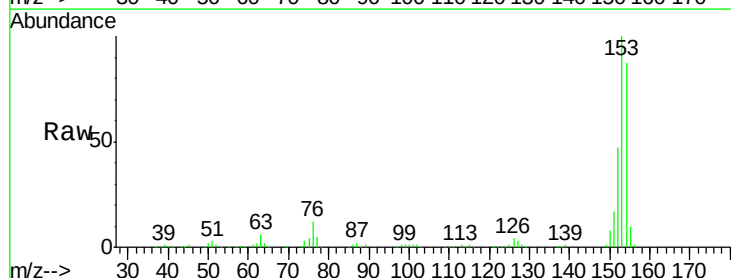


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

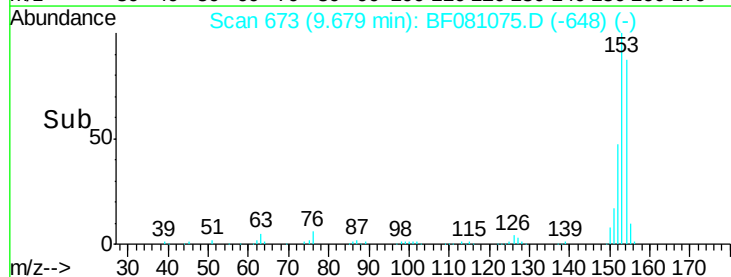
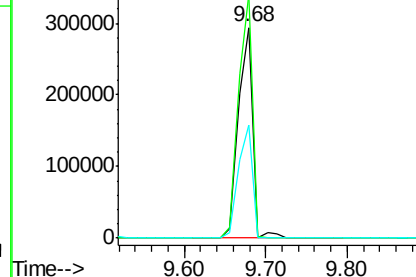


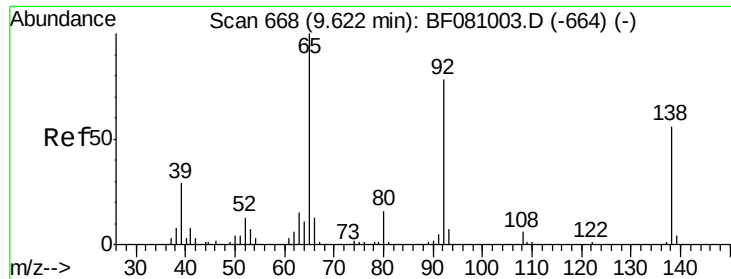
#51
 Acenaphthene
 Concen: 37.80 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	91.4	137.2
152	53.8	43.7	65.5



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

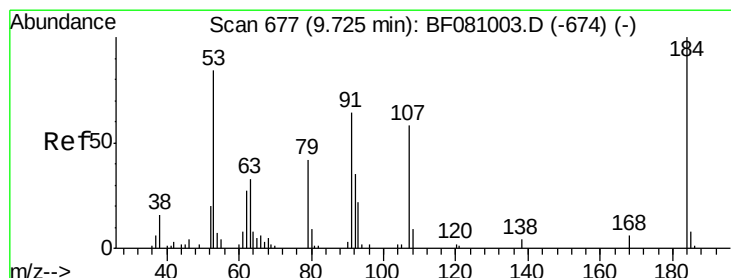
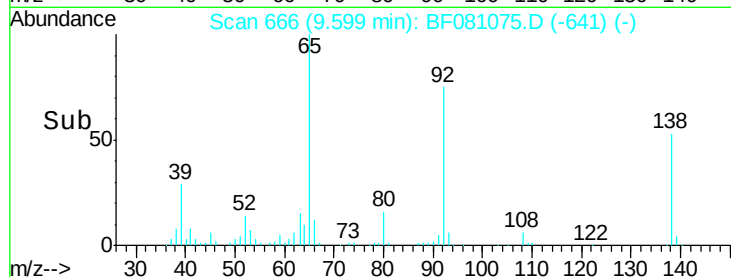
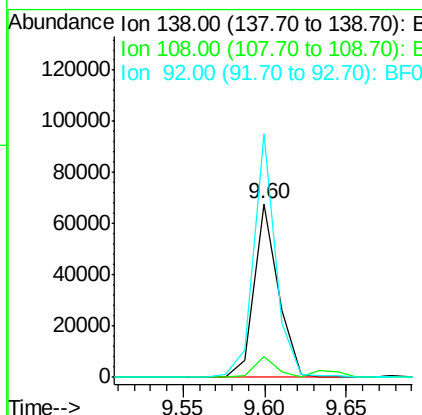
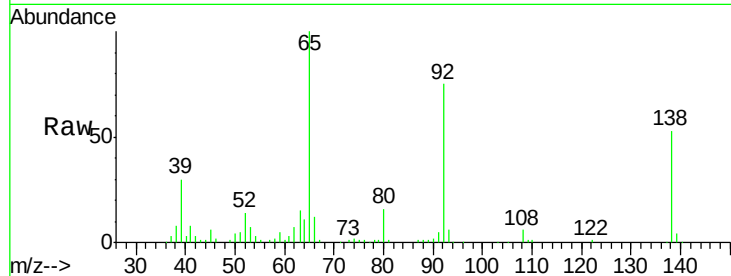




#52
 3-Nitroaniline
 Concen: 25.02 ng
 RT: 9.60 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

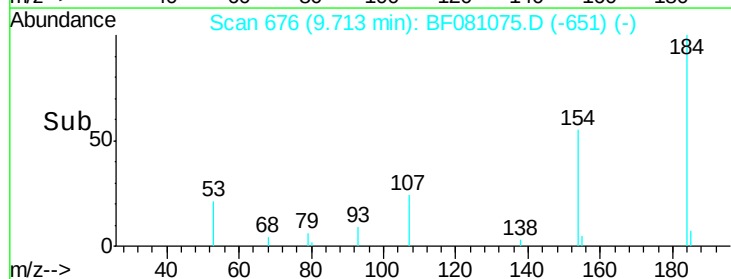
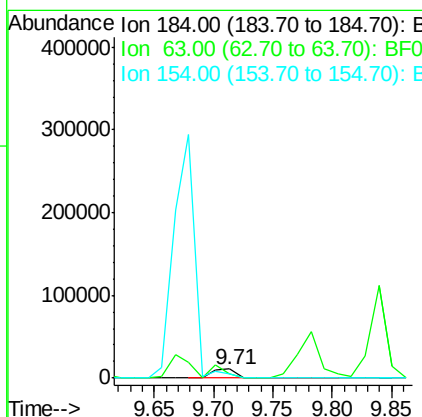
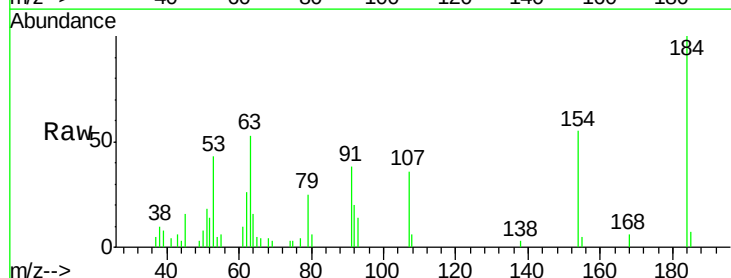
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

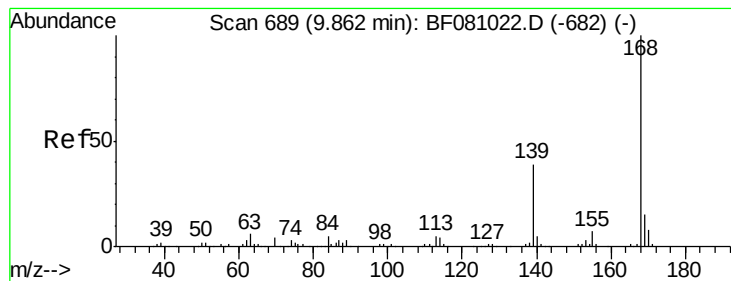
Tgt Ion:138 Resp: 70086
 Ion Ratio Lower Upper
 138 100
 108 11.8 9.4 14.2
 92 140.5 113.2 169.8



#53
 2,4-Dinitrophenol
 Concen: 17.68 ng
 RT: 9.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:184 Resp: 16375
 Ion Ratio Lower Upper
 184 100
 63 52.9 101.7 152.5#
 154 55.3 67.4 101.0#





#54

Dibenzofuran

Concen: 39.20 ng

RT: 9.85 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

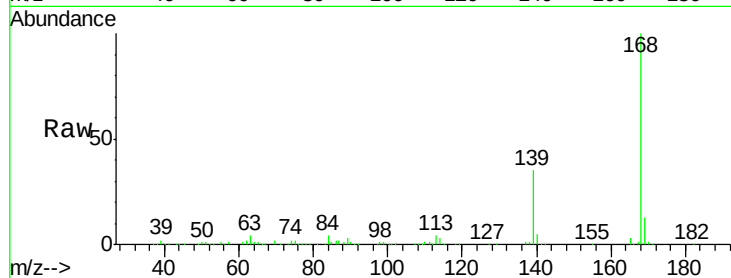
Tgt Ion:168 Resp: 504050

Ion Ratio Lower Upper

168 100

139 35.0 29.3 43.9

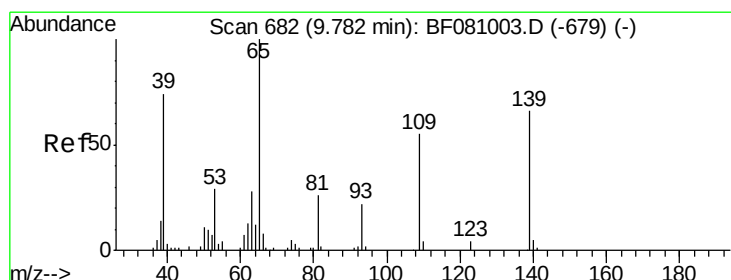
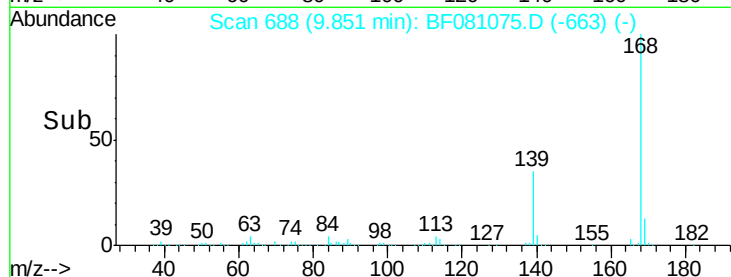
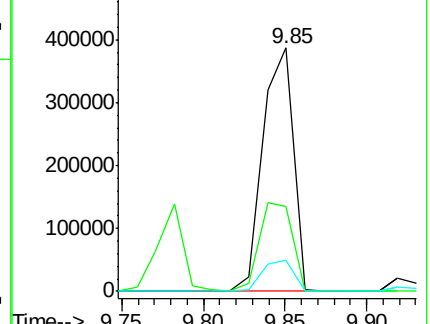
169 12.8 10.3 15.5



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: 76.57 ng

RT: 9.78 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

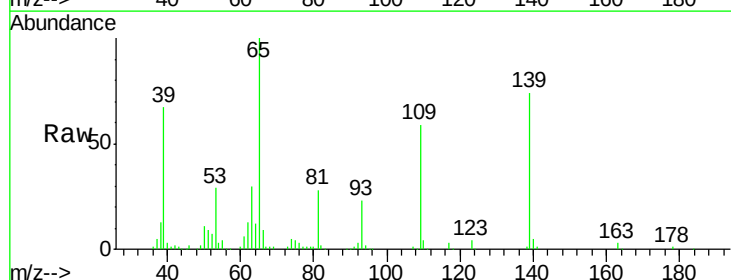
Tgt Ion:139 Resp: 150671

Ion Ratio Lower Upper

139 100

109 79.7 80.0 120.0#

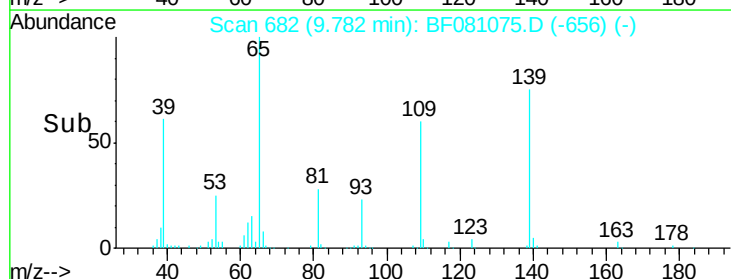
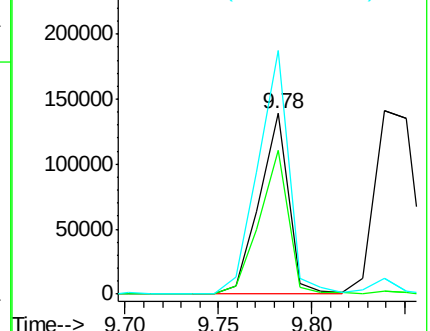
65 134.8 138.3 178.3#

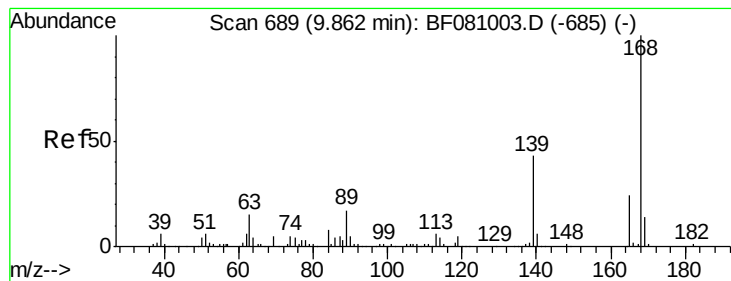


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

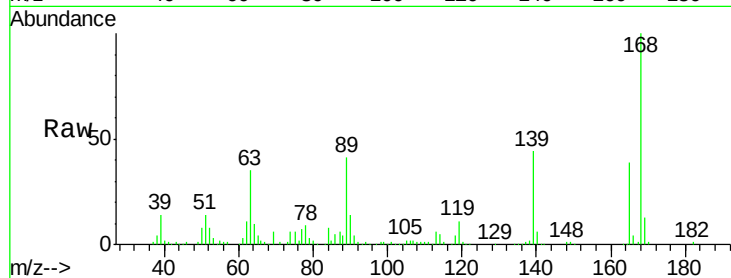




#56
2,4-Dinitrotoluene
Concen: 37.19 ng
RT: 9.84 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	90.1	52.2	78.4#
89	106.3	60.1	90.1#
182	1.9	1.8	2.6



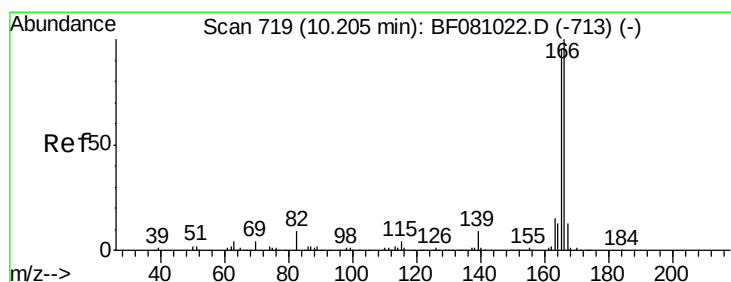
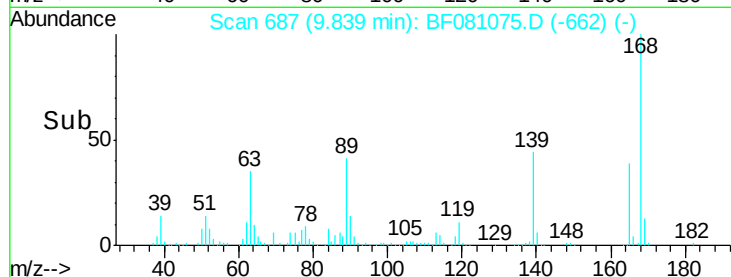
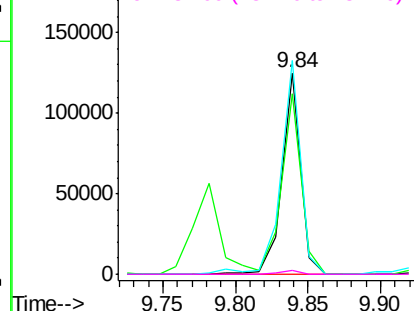
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

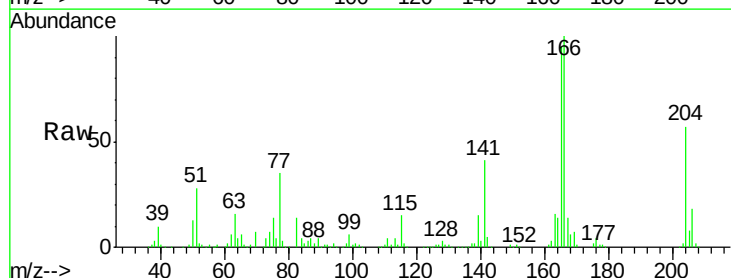
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 35.53 ng
RT: 10.18 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.4	75.8	113.8
167	14.4	11.3	16.9

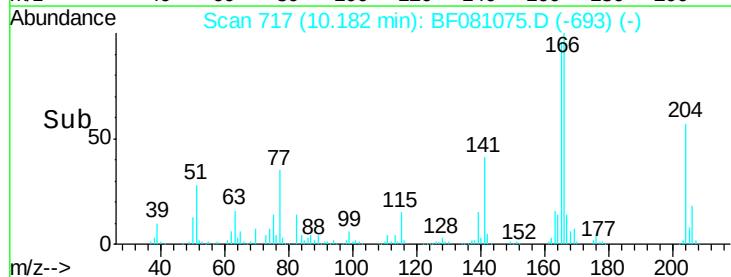
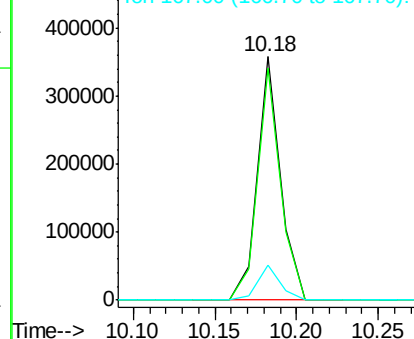


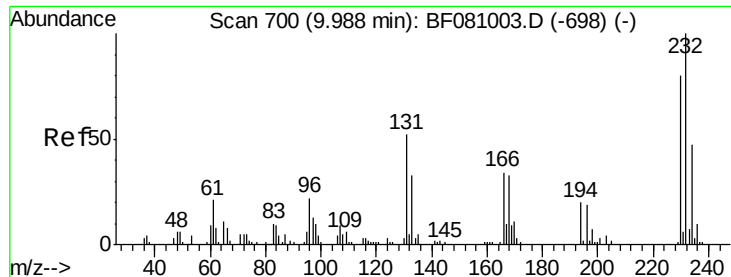
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

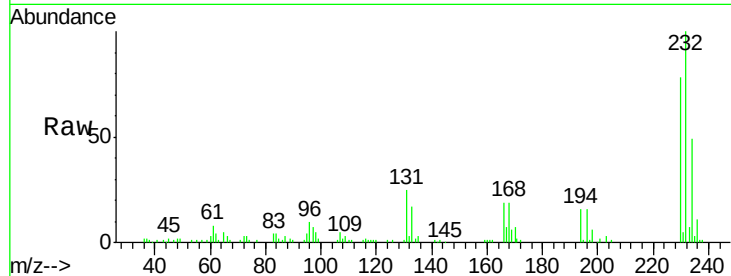




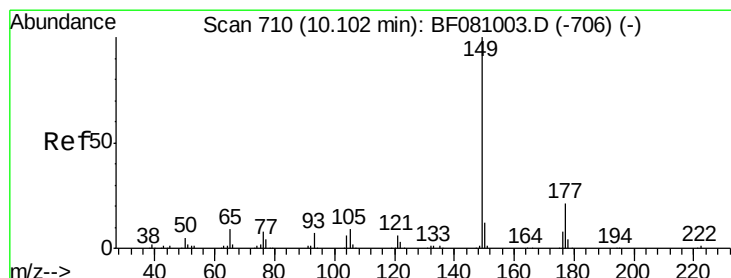
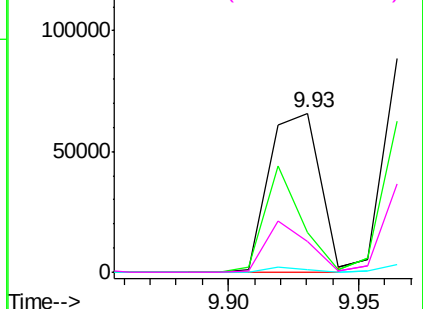
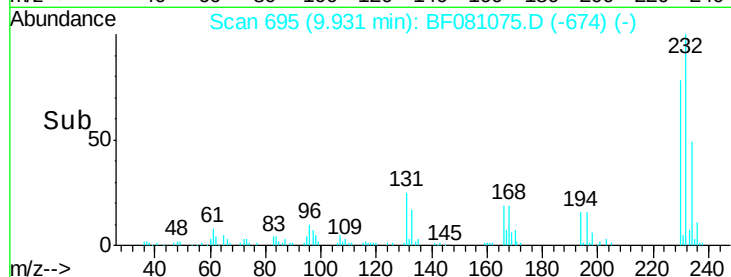
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 40.01 ng
 RT: 9.93 min Scan# 695
 Delta R.T. -0.06 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion:	232	Resp:	89321
Ion	Ratio	Lower	Upper
232	100		
131	48.7	42.2	63.4
130	2.4	2.1	3.1
166	26.9	22.4	33.6

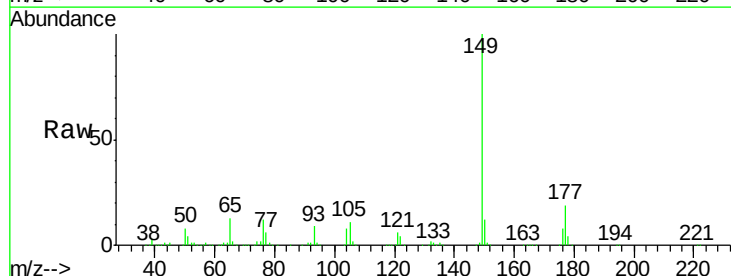


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

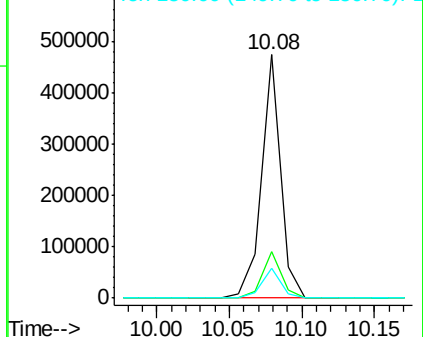
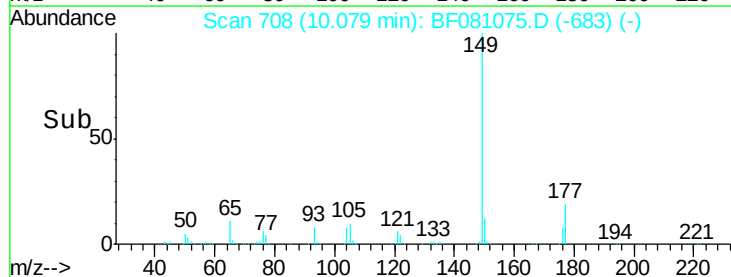


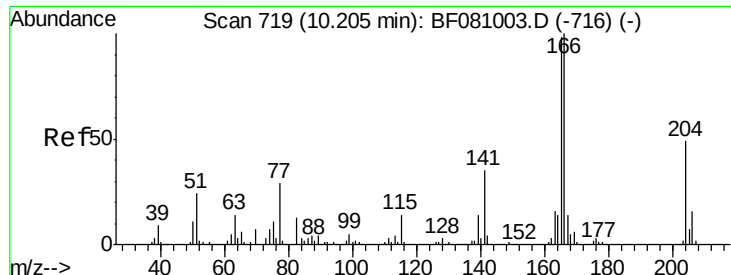
#59
 Diethylphthalate
 Concen: 39.02 ng
 RT: 10.08 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:	149	Resp:	430662
Ion	Ratio	Lower	Upper
149	100		
177	19.0	14.1	21.1
150	12.5	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

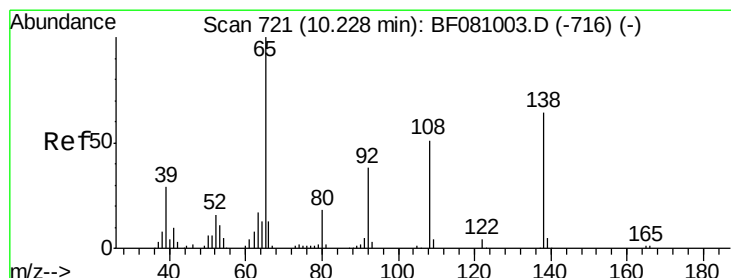
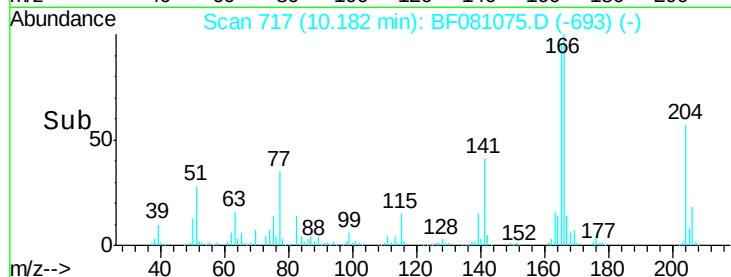
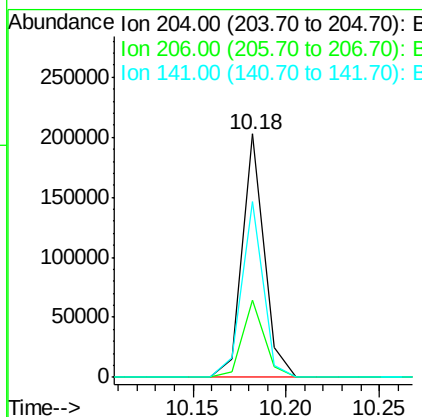
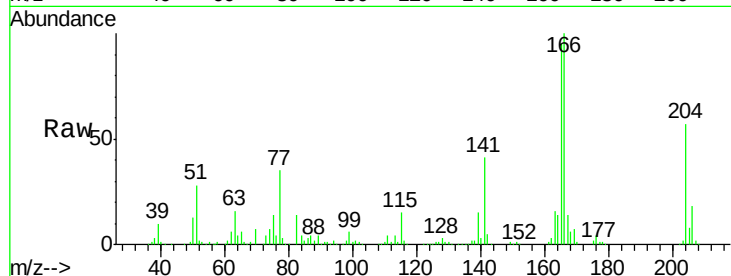




#60
 4-Chlorophenyl-phenylether
 Concen: 39.88 ng
 RT: 10.18 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

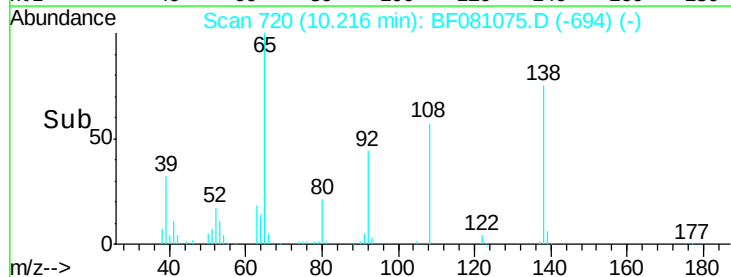
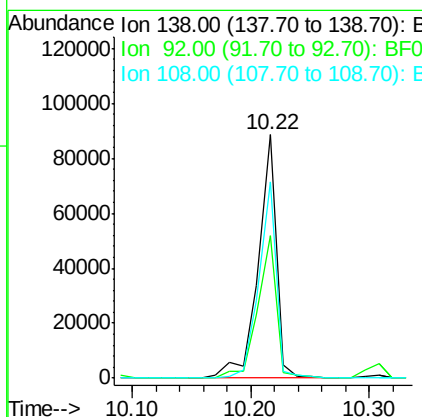
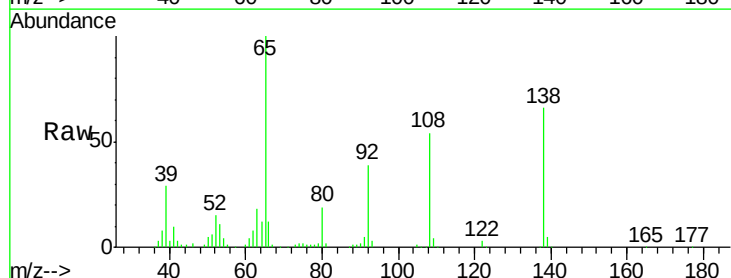
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

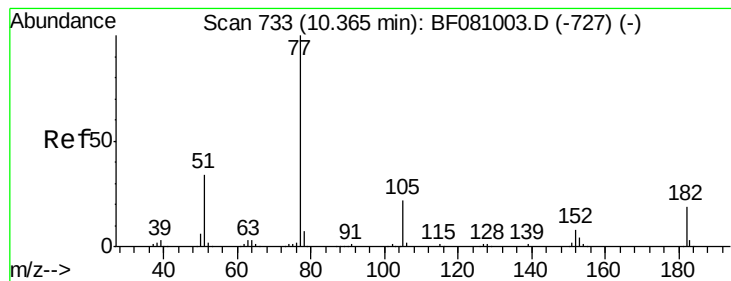
Tgt Ion: 204 Resp: 166920
 Ion Ratio Lower Upper
 204 100
 206 31.6 26.2 39.2
 141 72.4 59.6 89.4



#61
 4-Nitroaniline
 Concen: 33.53 ng
 RT: 10.22 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion: 138 Resp: 96012
 Ion Ratio Lower Upper
 138 100
 92 58.8 34.7 74.7
 108 80.7 68.9 108.9





#62

Azobenzene

Concen: 43.57 ng

RT: 10.34 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

Tgt Ion: 77 Resp: 554098

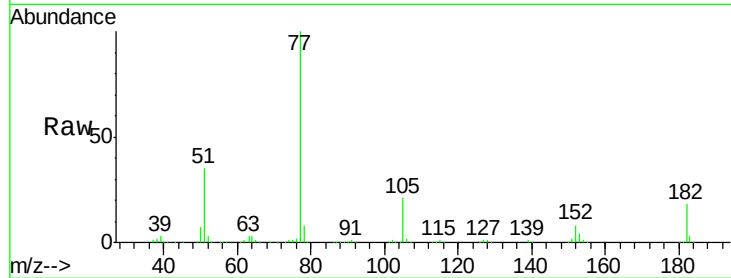
Ion Ratio Lower Upper

77 100

182 18.0 0.0 39.0

105 21.5 0.2 40.2

51 35.3 18.0 58.0

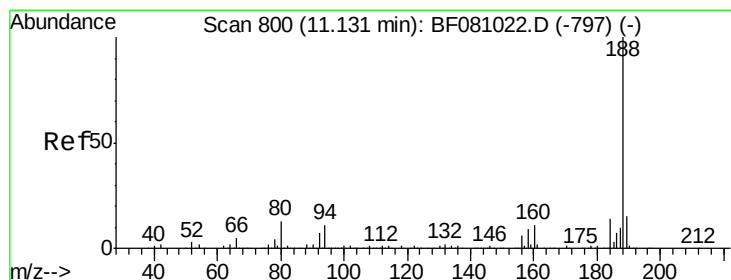
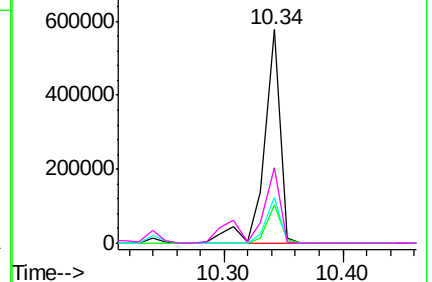
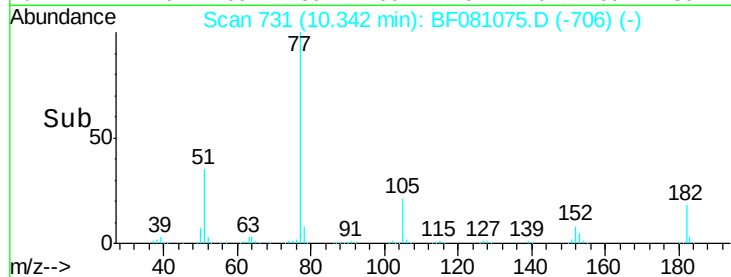


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.11 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

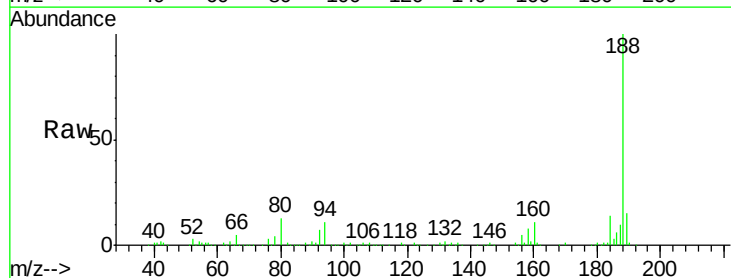
Tgt Ion: 188 Resp: 250111

Ion Ratio Lower Upper

188 100

94 11.1 8.2 12.2

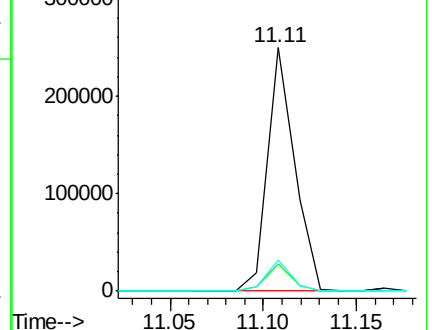
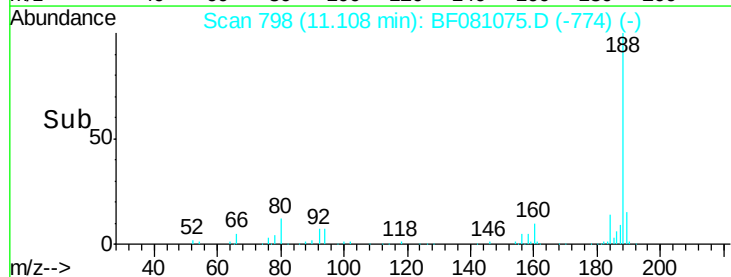
80 12.8 9.5 14.3

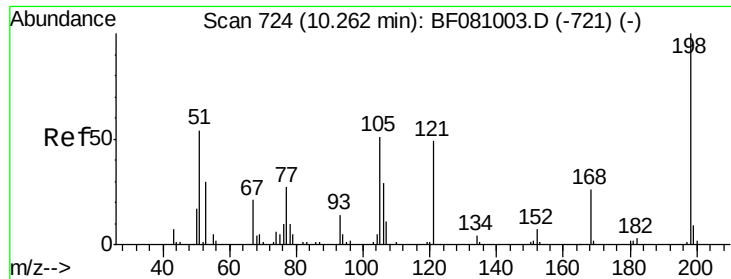


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

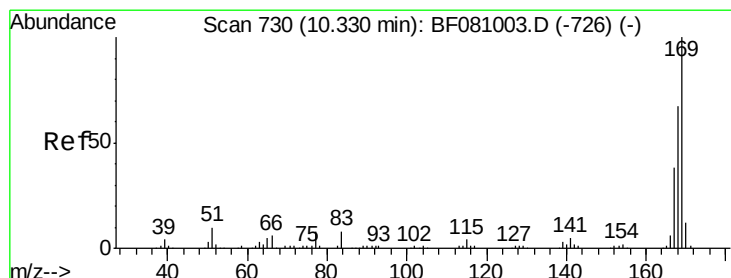
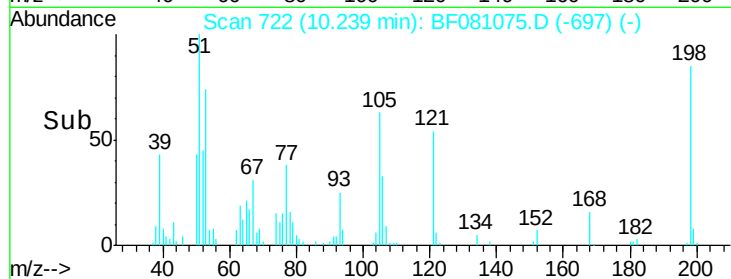
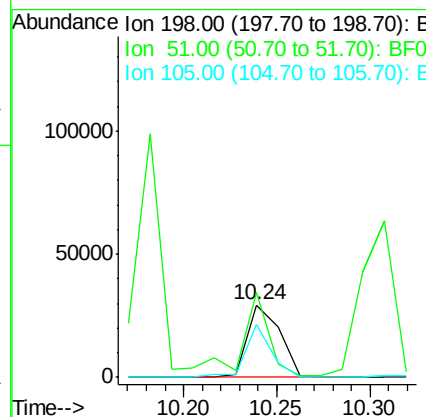
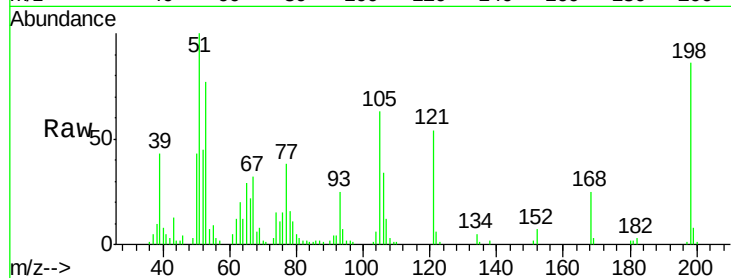




#64
 4,6-Dinitro-2-methylphenol
 Concen: 23.78 ng
 RT: 10.24 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

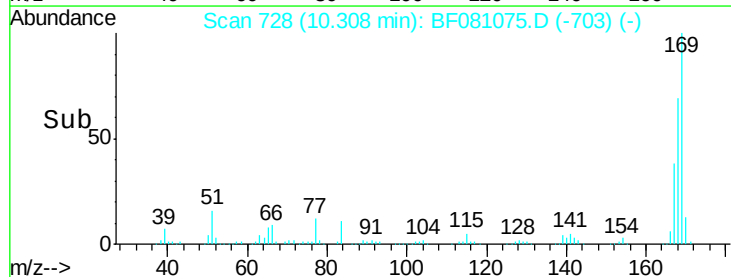
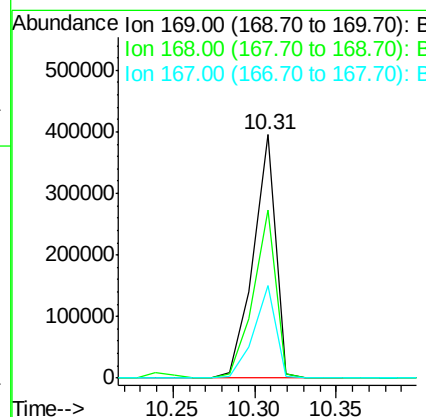
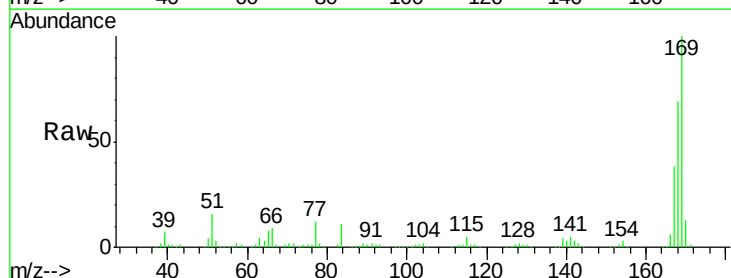
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

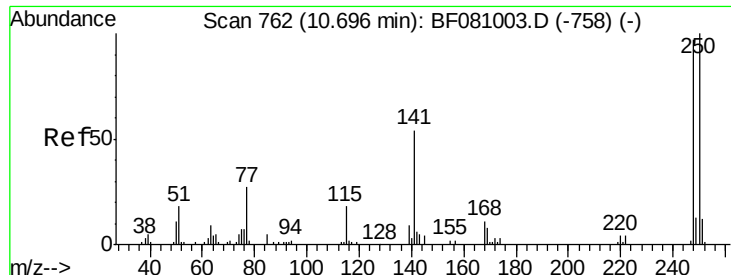
Tgt Ion:198 Resp: 35521
 Ion Ratio Lower Upper
 198 100
 51 116.0 79.7 119.7
 105 72.6 47.0 87.0



#65
 n-Nitrosodiphenylamine
 Concen: 42.35 ng
 RT: 10.31 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:169 Resp: 378071
 Ion Ratio Lower Upper
 169 100
 168 69.0 55.3 82.9
 167 38.2 30.8 46.2

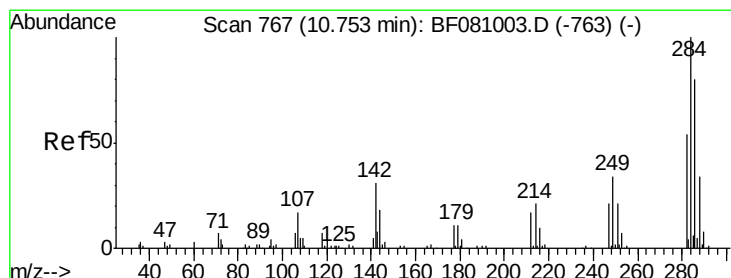
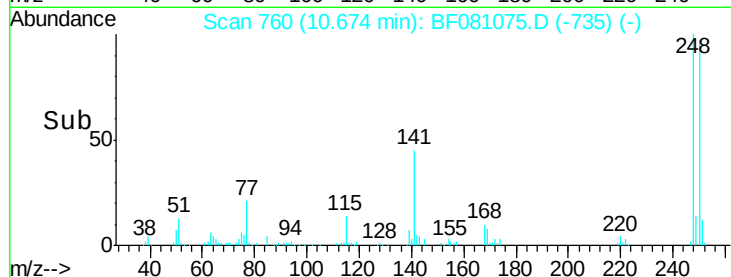
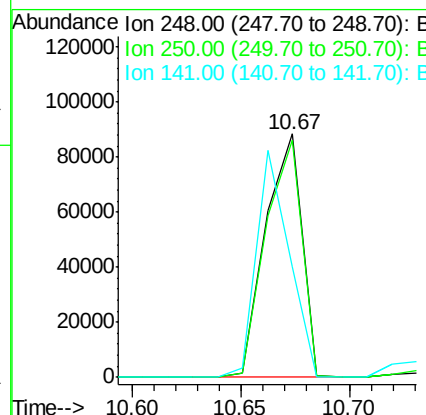
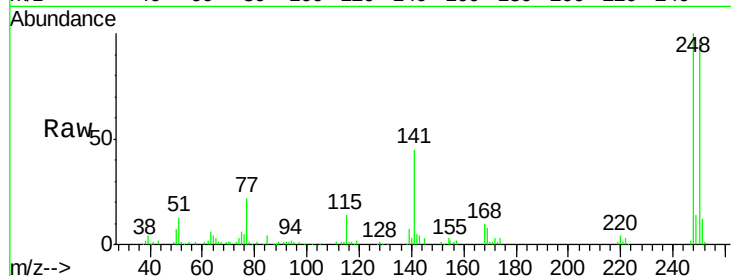




#66
 4-Bromophenyl-phenylether
 Concen: 42.04 ng
 RT: 10.67 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

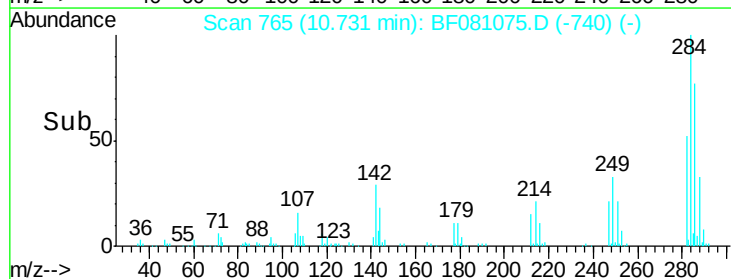
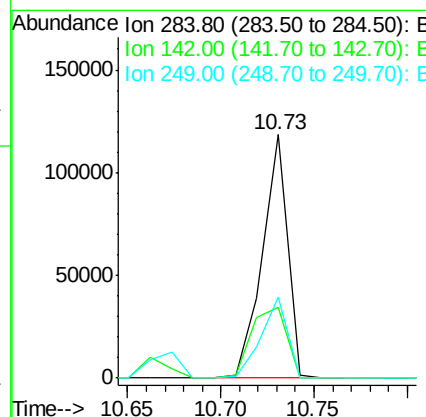
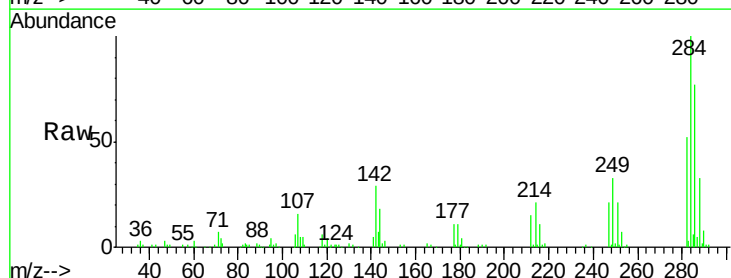
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

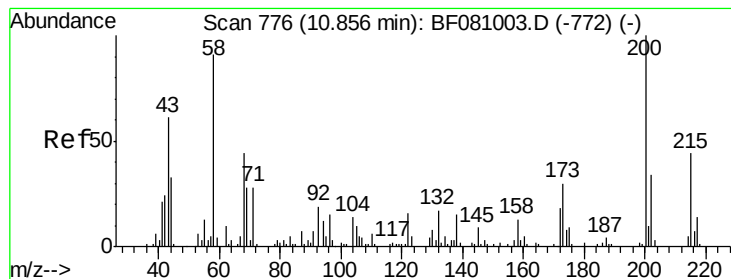
Tgt Ion:248 Resp: 103297
 Ion Ratio Lower Upper
 248 100
 250 97.2 77.8 116.6
 141 45.2 39.8 59.6



#67
 Hexachlorobenzene
 Concen: 44.15 ng
 RT: 10.73 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion:284 Resp: 109870
 Ion Ratio Lower Upper
 284 100
 142 29.0 25.4 38.0
 249 33.2 28.5 42.7





#68

Atrazine

Concen: 49.95 ng

RT: 10.84 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

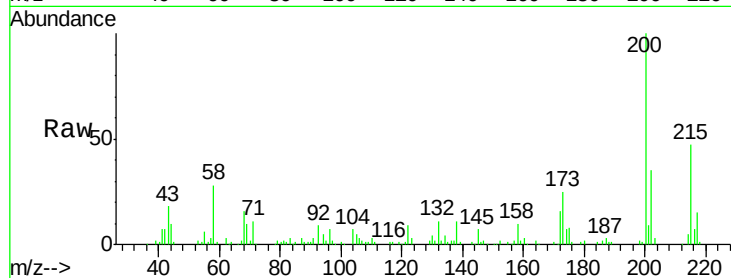
Tgt Ion:200 Resp: 124245

Ion Ratio Lower Upper

200 100

173 25.1 8.1 48.1

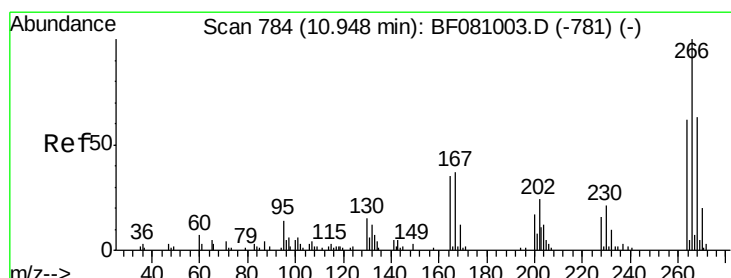
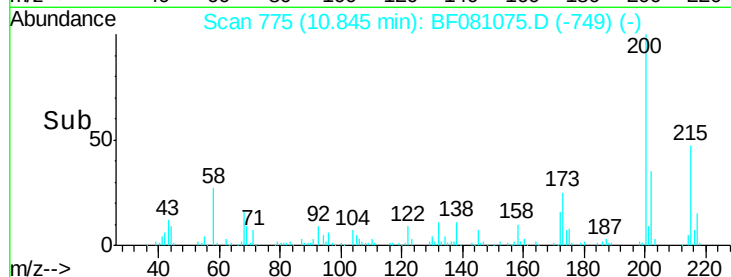
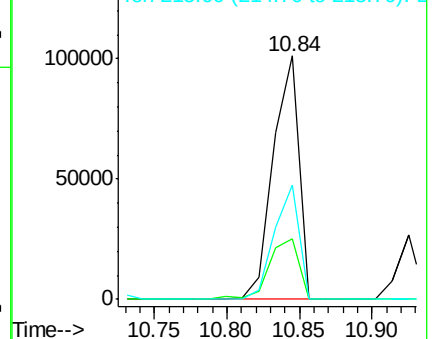
215 47.0 23.3 63.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 74.04 ng

RT: 10.92 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

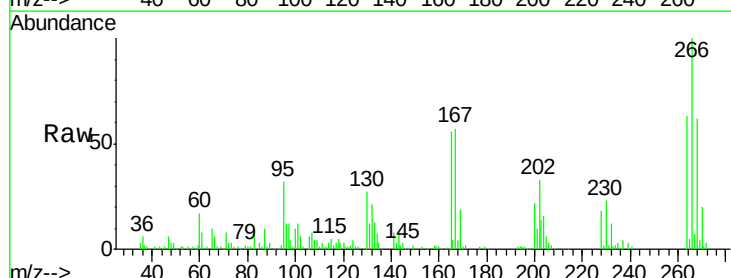
Tgt Ion:266 Resp: 110542

Ion Ratio Lower Upper

266 100

268 62.0 51.2 76.8

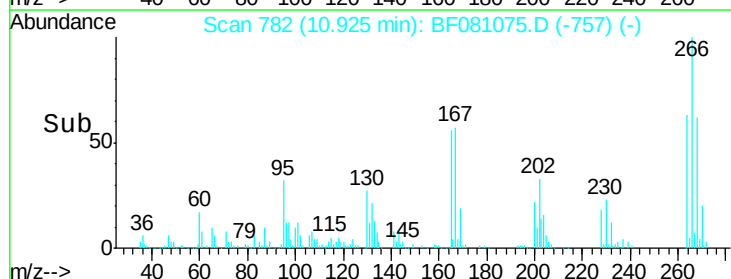
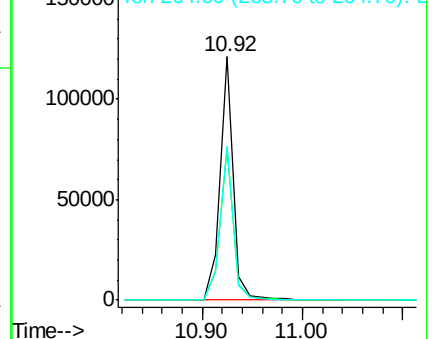
264 63.4 50.6 75.8

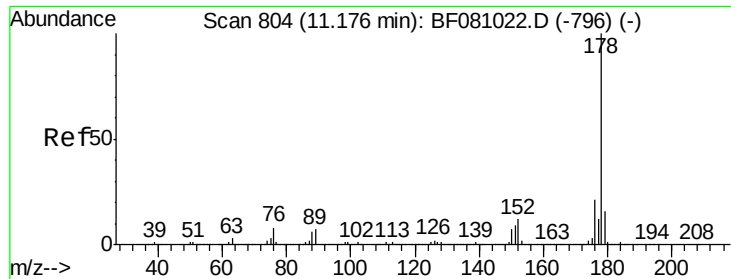


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

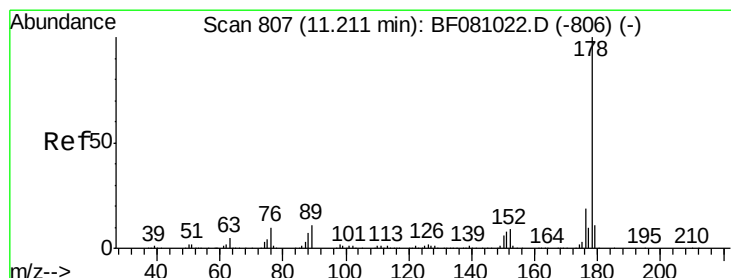
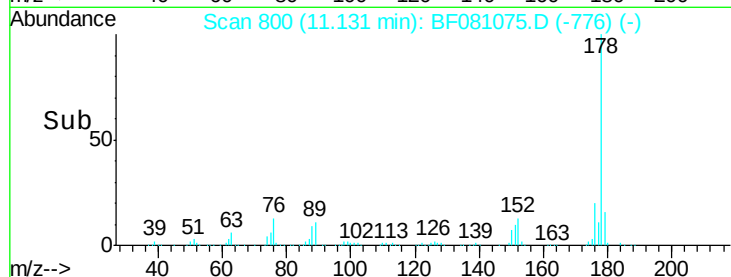
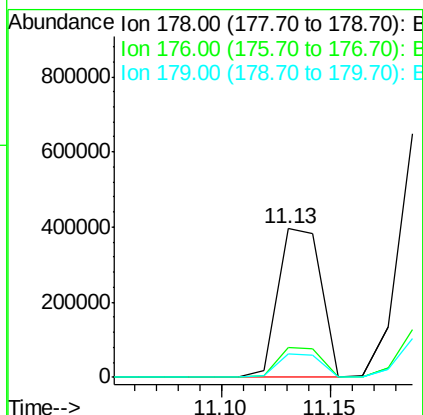
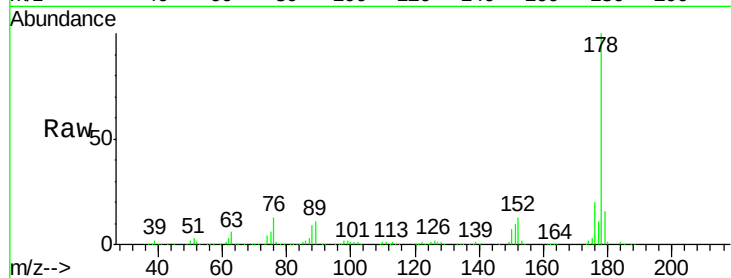




#70
Phenanthrene
Concen: 37.10 ng
RT: 11.13 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

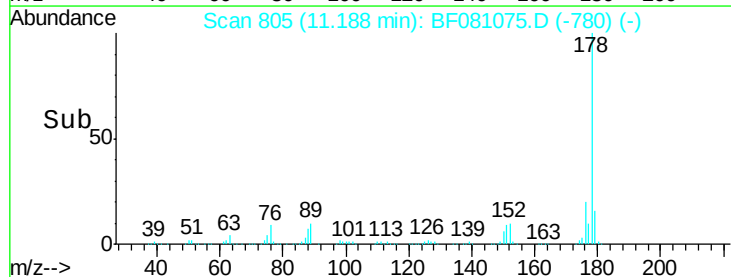
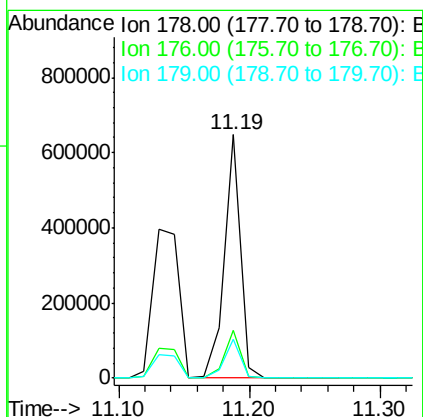
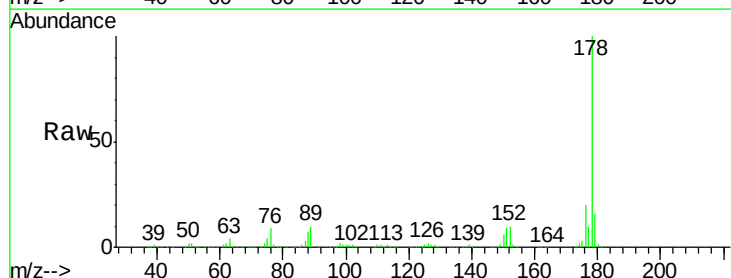
Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

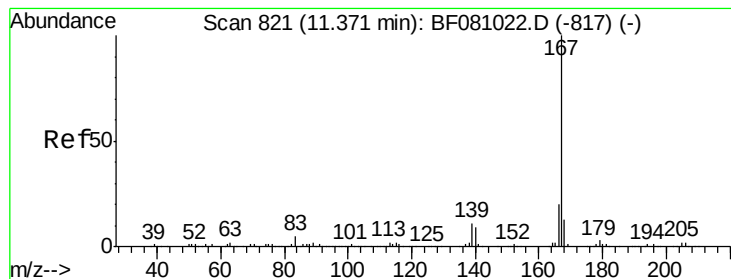
Tgt Ion:178 Resp: 549926
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.2 18.2



#71
Anthracene
Concen: 38.90 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion:178 Resp: 561148
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.7 19.1





#72

Carbazole

Concen: 43.47 ng

RT: 11.35 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

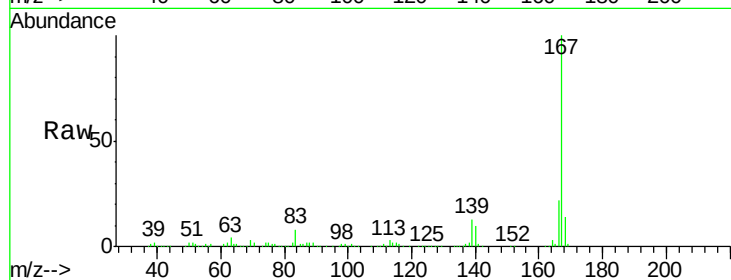
Tgt Ion:167 Resp: 603739

Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

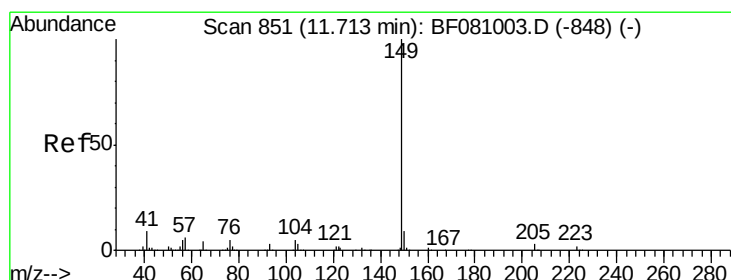
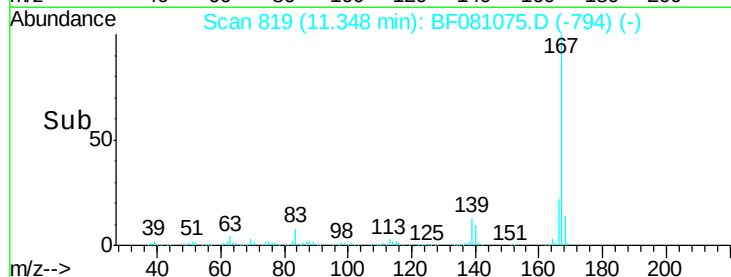
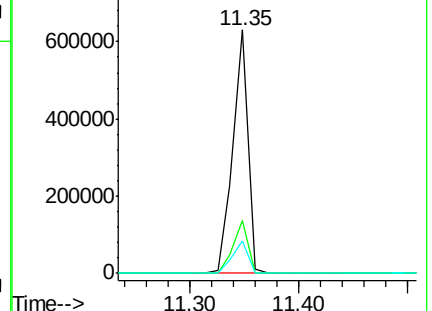
139 13.5 10.6 16.0



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: 42.50 ng

RT: 11.69 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

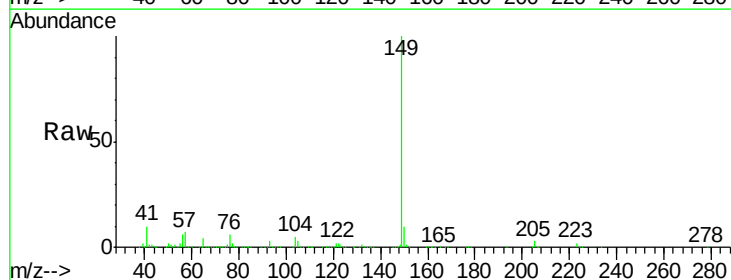
Tgt Ion:149 Resp: 714231

Ion Ratio Lower Upper

149 100

150 9.6 7.1 10.7

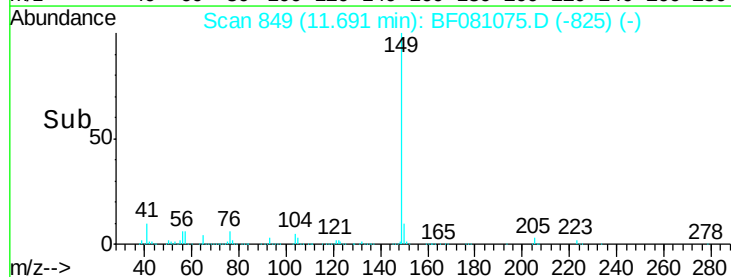
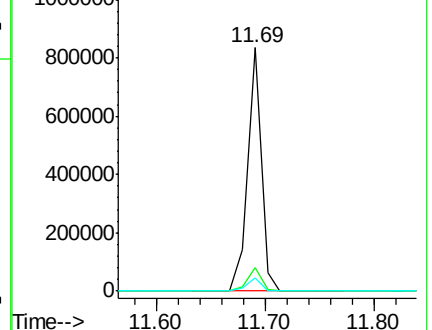
104 5.3 3.9 5.9

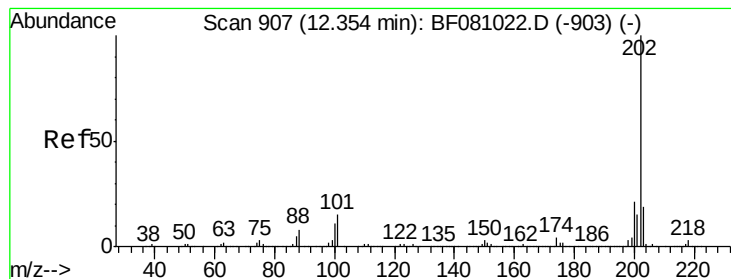


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

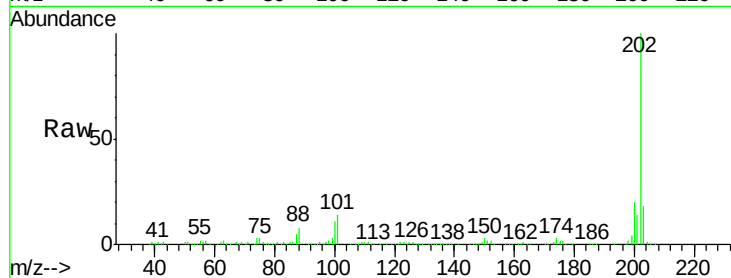




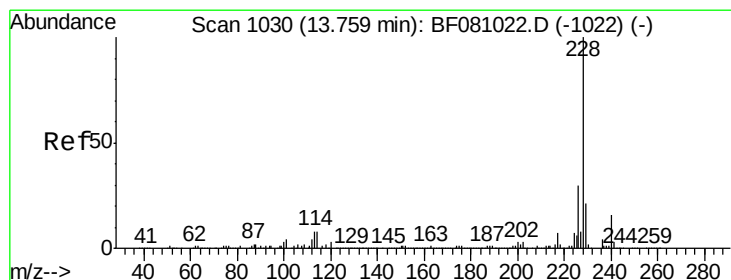
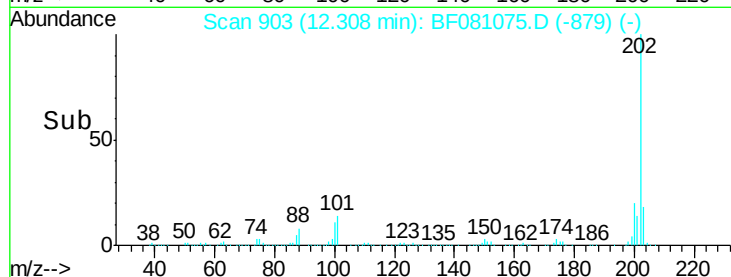
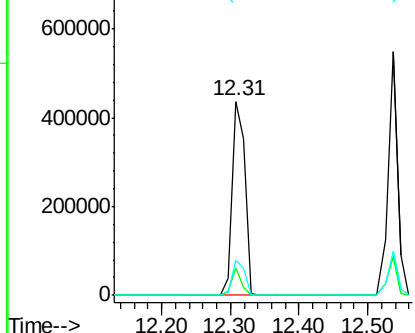
#74
 Fluoranthene
 Concen: 35.93 ng
 RT: 12.31 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	24.8
203	17.8	0.0	36.9

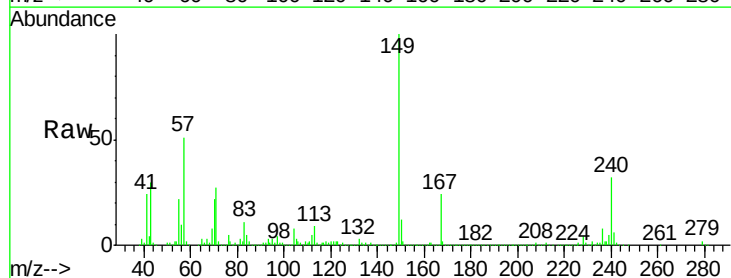


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

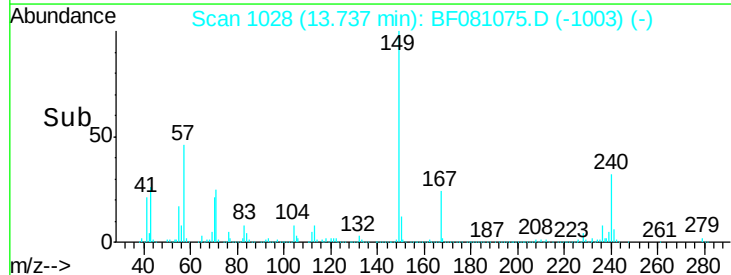
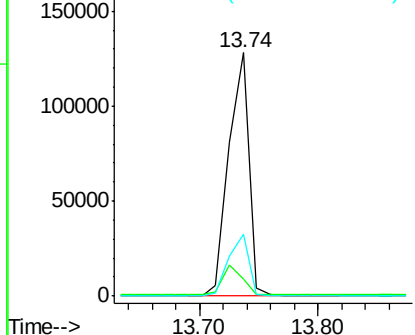


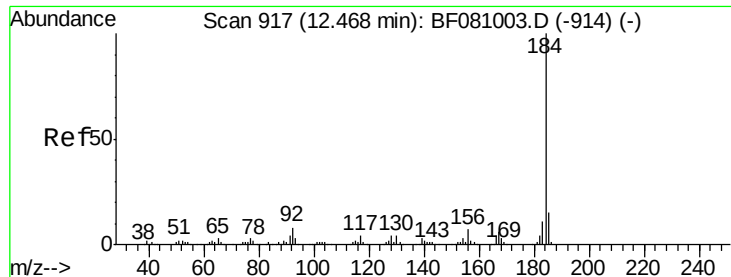
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.6	8.4
236	25.6	20.6	30.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 28.89 ng

RT: 12.45 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

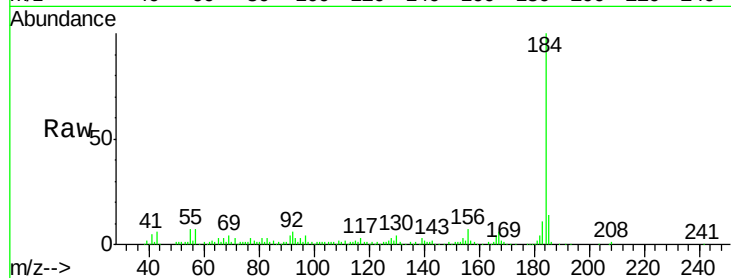
Tgt Ion:184 Resp: 165063

Ion Ratio Lower Upper

184 100

185 14.1 12.0 18.0

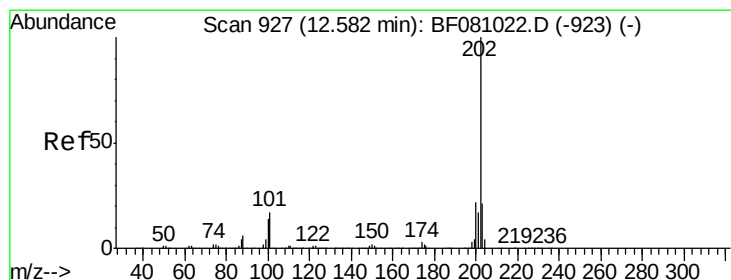
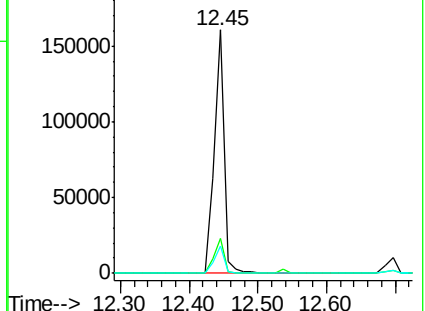
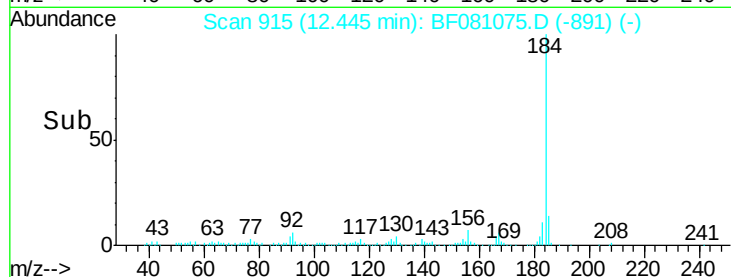
183 11.0 8.9 13.3



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: 43.06 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

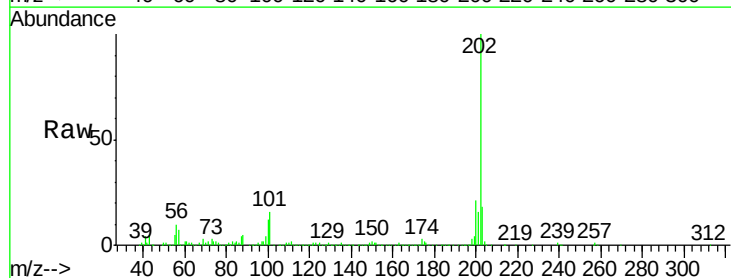
Tgt Ion:202 Resp: 529428

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

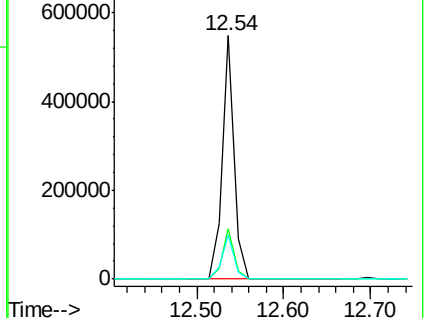
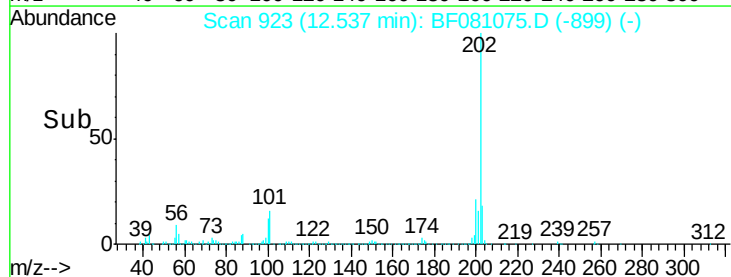
203 17.9 14.1 21.1

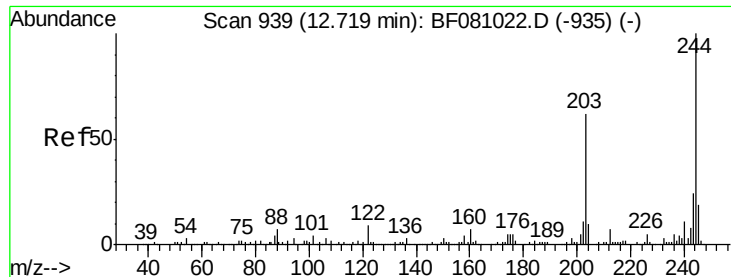


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

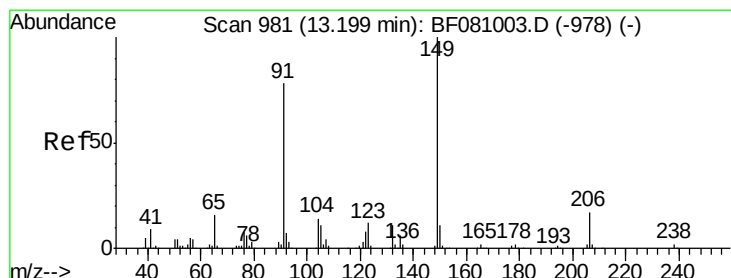
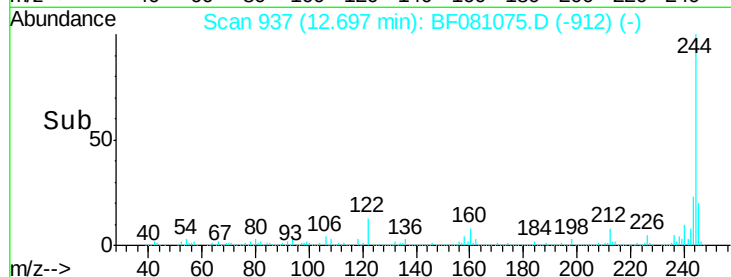
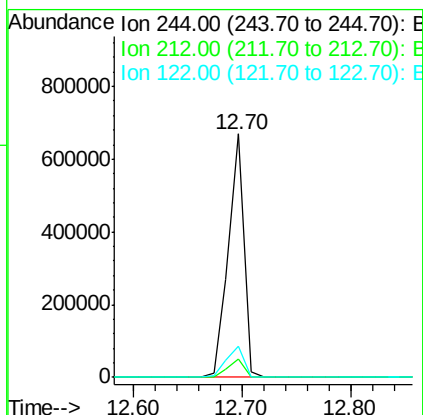
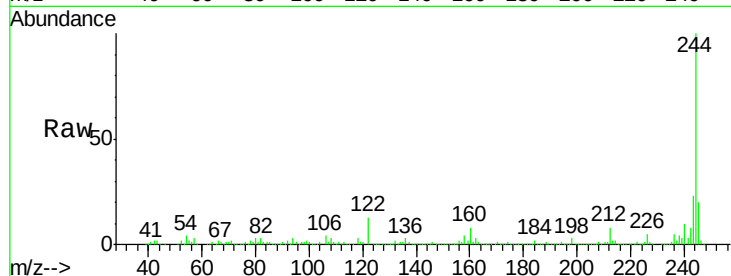




#78
 Terphenyl-d14
 Concen: 94.35 ng
 RT: 12.70 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

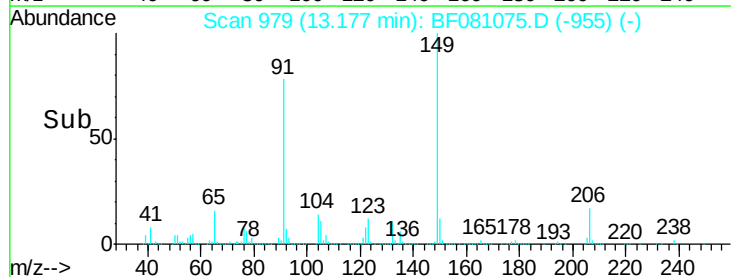
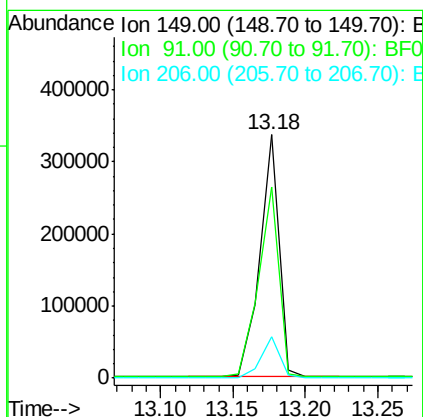
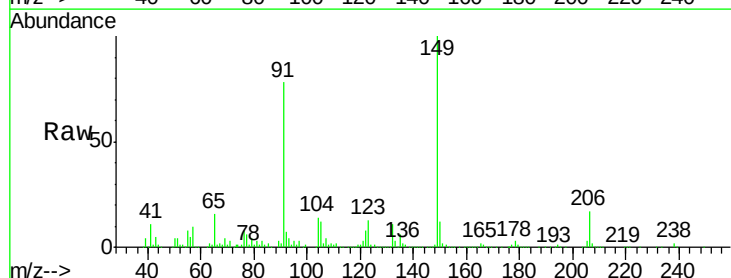
Instrument :
 BNA_F
 ClientSampleId :
 SB04-4.0-5.0-081115MSD

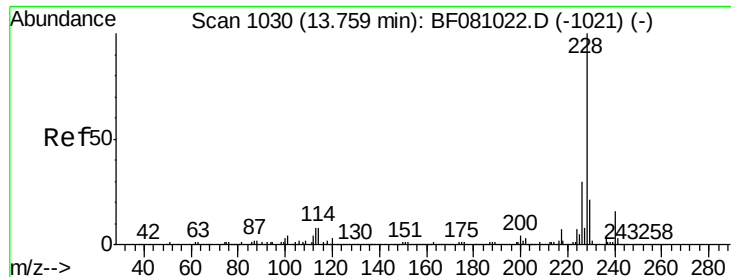
Tgt Ion: 244 Resp: 665598
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 12.8 8.2 12.4#



#79
 Butylbenzylphthalate
 Concen: 58.16 ng
 RT: 13.18 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF081075.D
 Acq: 19 Aug 2015 9:33

Tgt Ion: 149 Resp: 307375
 Ion Ratio Lower Upper
 149 100
 91 78.5 46.9 70.3#
 206 17.0 17.0 25.4#





#80

Benzo(a)anthracene

Concen: 40.80 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

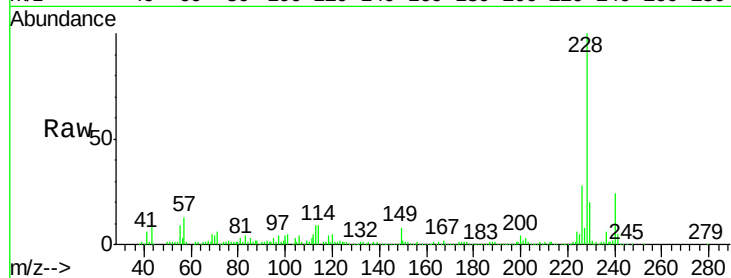
Tgt Ion: 228 Resp: 413878

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

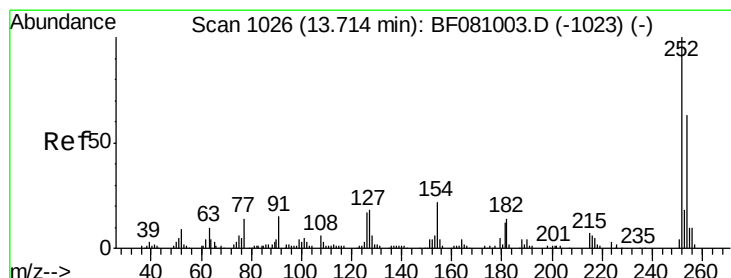
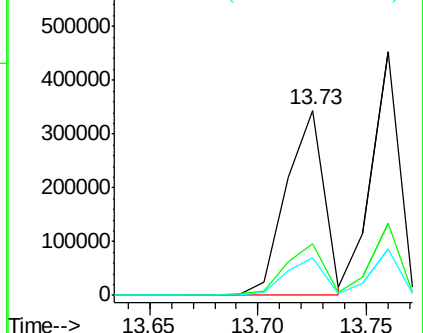
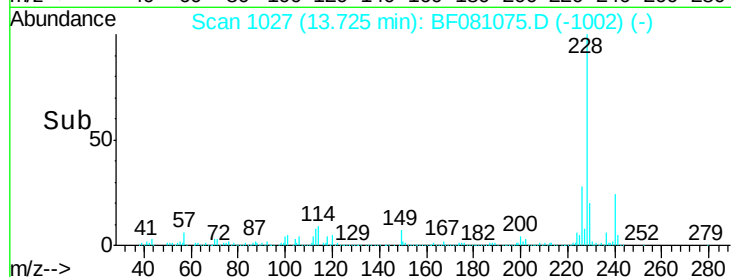
229 20.3 15.9 23.9



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: 28.02 ng

RT: 13.69 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

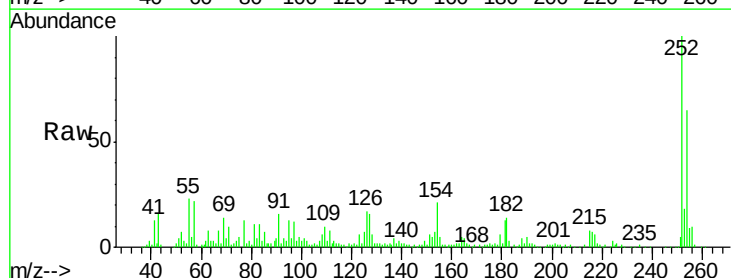
Tgt Ion: 252 Resp: 92050

Ion Ratio Lower Upper

252 100

254 65.3 51.5 77.3

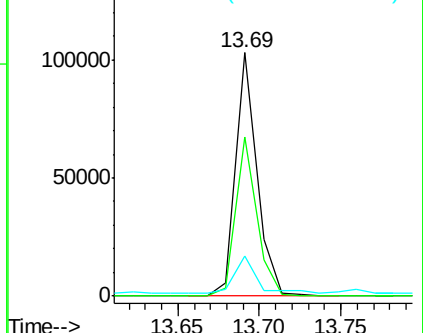
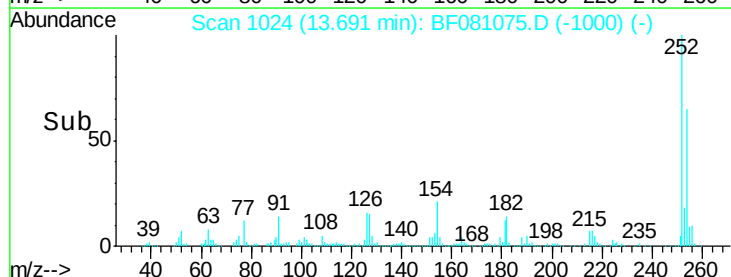
126 16.6 12.5 18.7

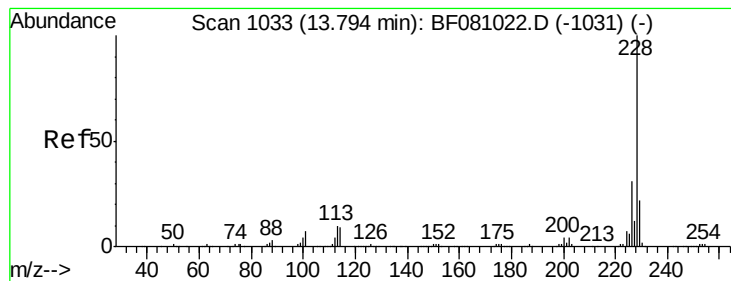


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 44.11 ng

RT: 13.76 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

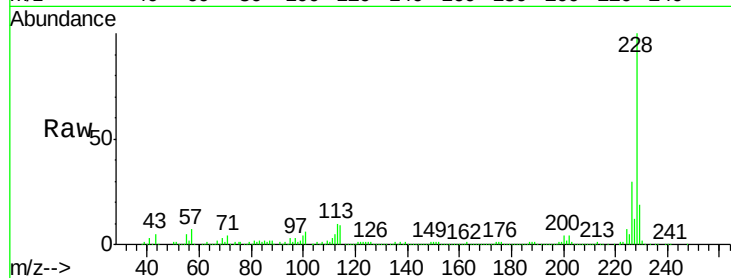
BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

Tgt Ion: 228 Resp: 403250

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.3	16.0	24.0

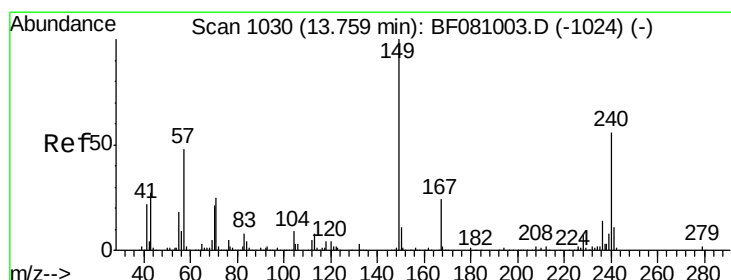
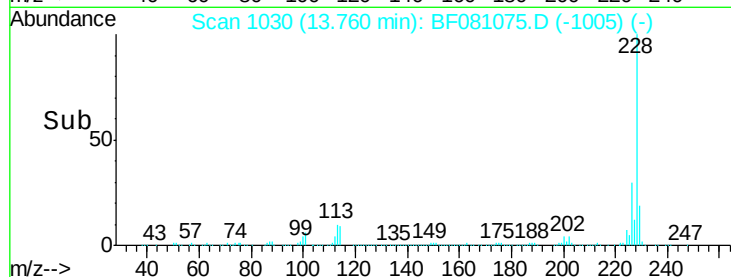
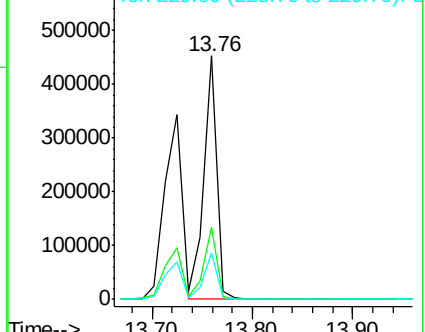


Abundance

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: 56.41 ng

RT: 13.74 min Scan# 1028

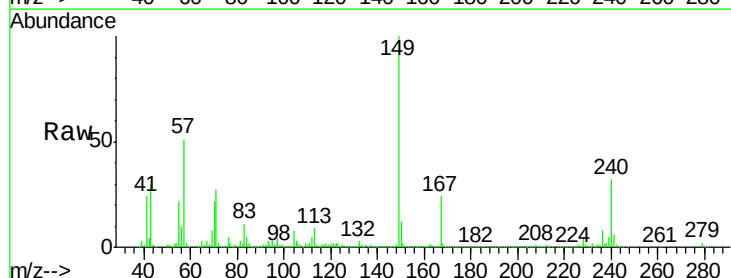
Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Tgt Ion: 149 Resp: 381861

Ion	Ratio	Lower	Upper
149	100		
167	24.4	20.7	31.1
279	1.6	2.2	3.4

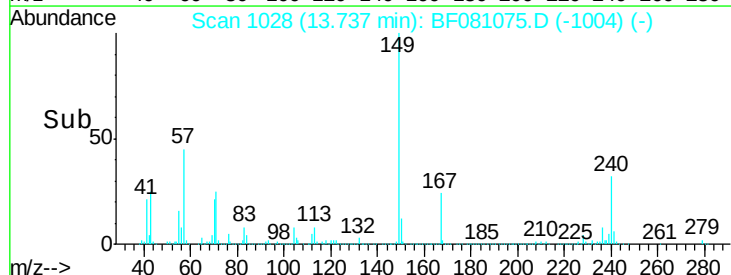
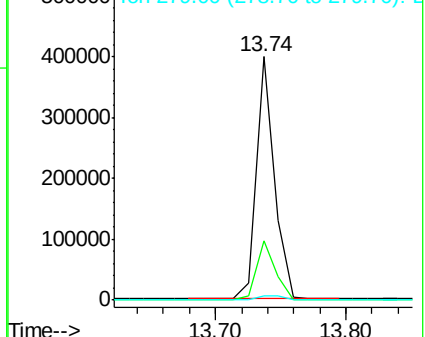


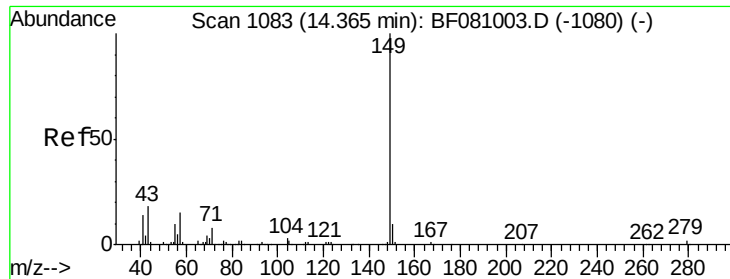
Abundance

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: 57.35 ng

RT: 14.34 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

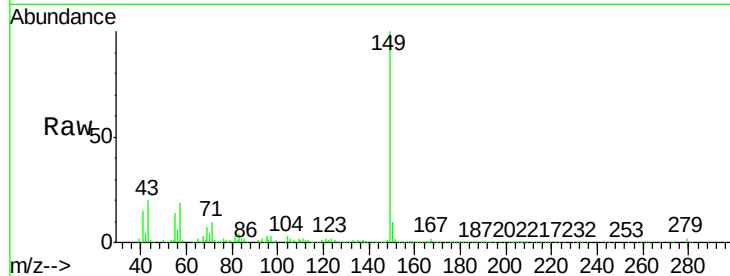
Tgt Ion:149 Resp: 590049

Ion Ratio Lower Upper

149 100

167 1.8 1.1 1.7#

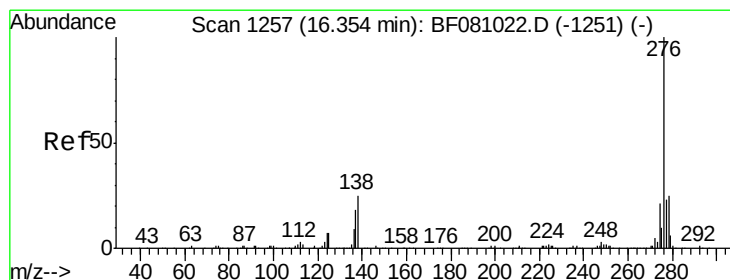
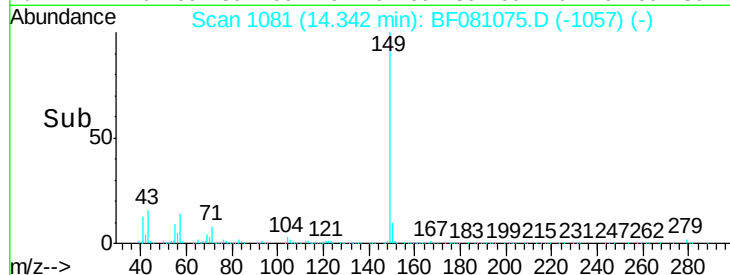
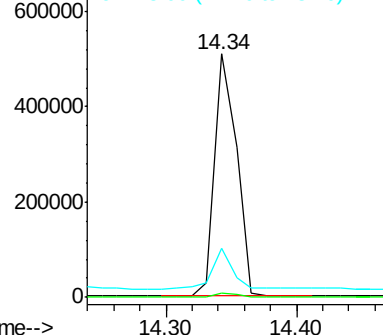
43 15.4 11.6 17.4



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: 58.61 ng

RT: 16.30 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

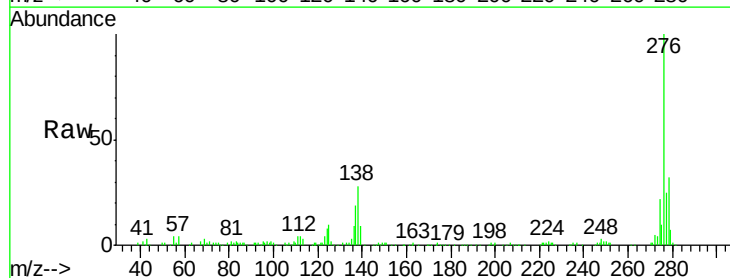
Tgt Ion:276 Resp: 376167

Ion Ratio Lower Upper

276 100

138 29.6 18.6 28.0#

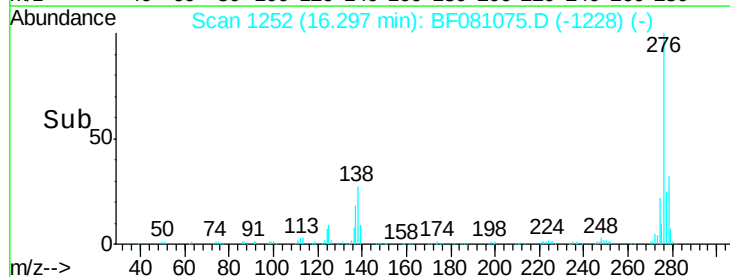
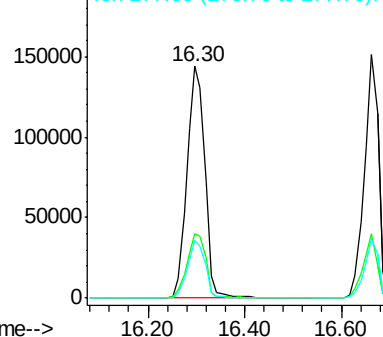
277 24.7 19.8 29.8

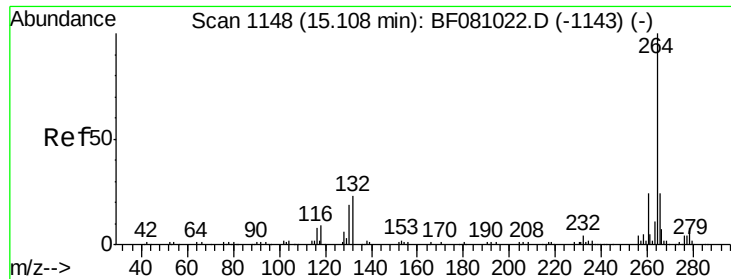


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

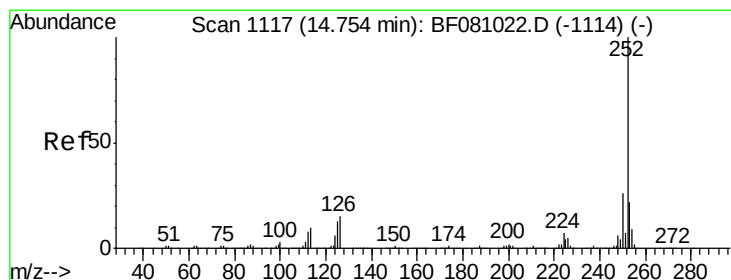
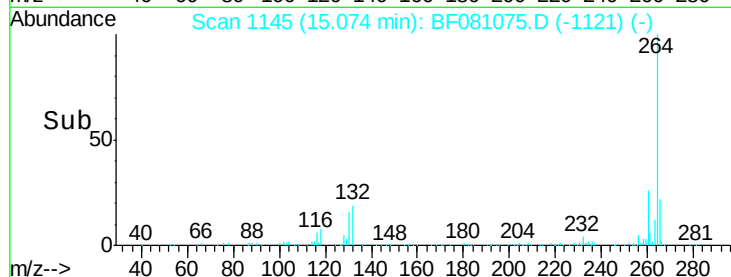
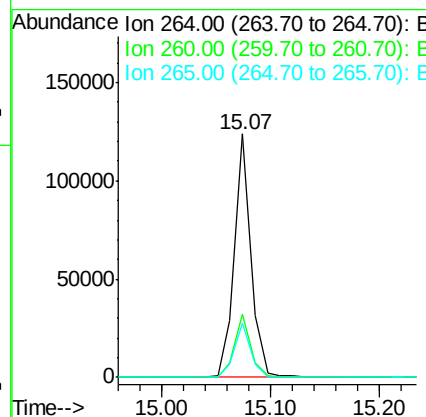
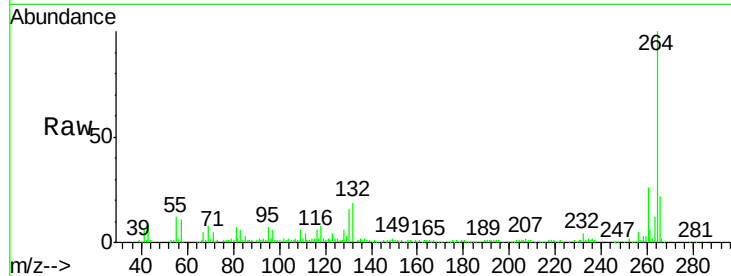




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

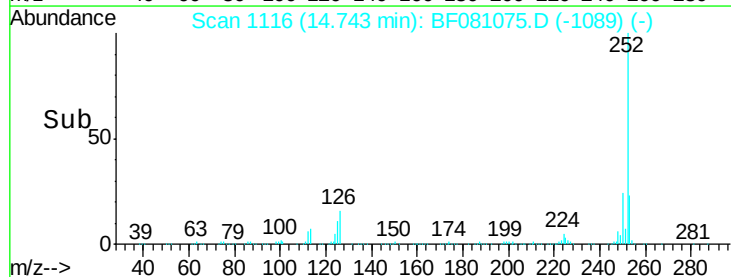
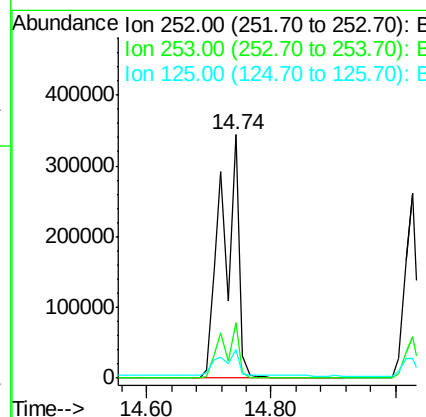
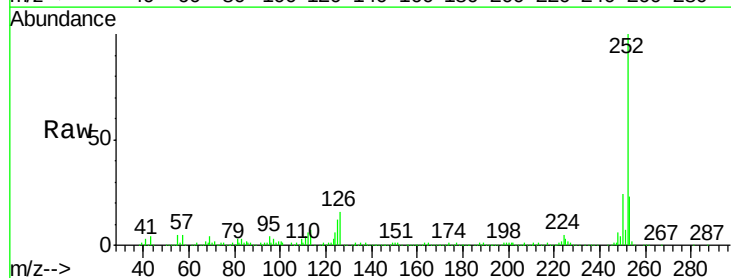
Instrument :
BNA_F
ClientSampleId :
SB04-4.0-5.0-081115MSD

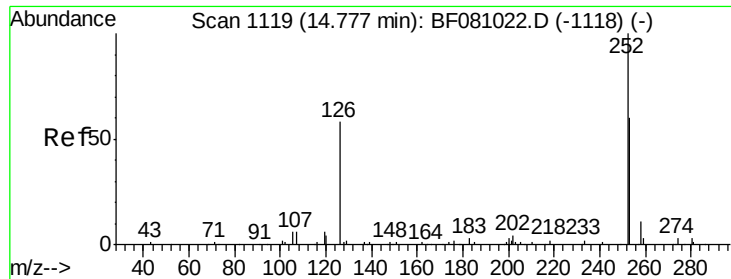
Tgt Ion: 264 Resp: 129610
Ion Ratio Lower Upper
264 100
260 25.8 19.6 29.4
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 71.57 ng
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081075.D
Acq: 19 Aug 2015 9:33

Tgt Ion: 252 Resp: 656137
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 11.9 8.0 12.0





#88

Benzo(k)fluoranthene

Concen: 76.81 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

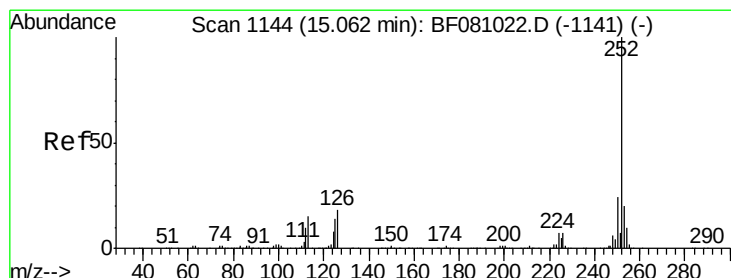
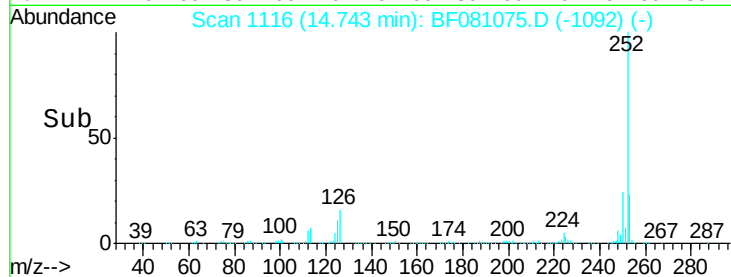
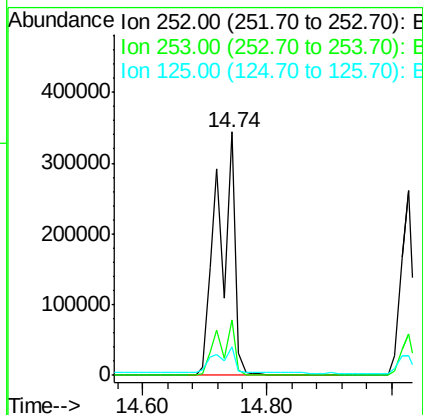
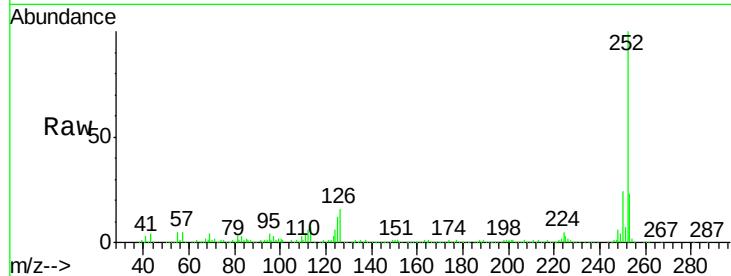
Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

Tgt Ion:	252	Resp:	656137
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	11.9	10.3	15.5



#89

Benzo(a)pyrene

Concen: 41.80 ng

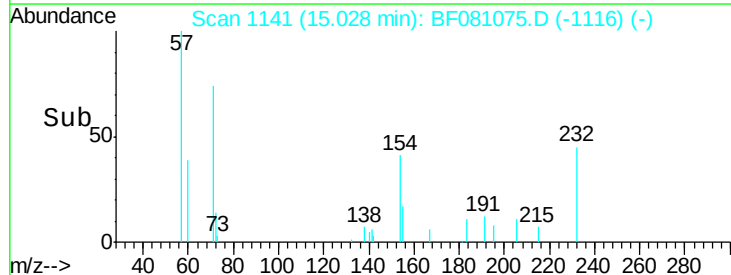
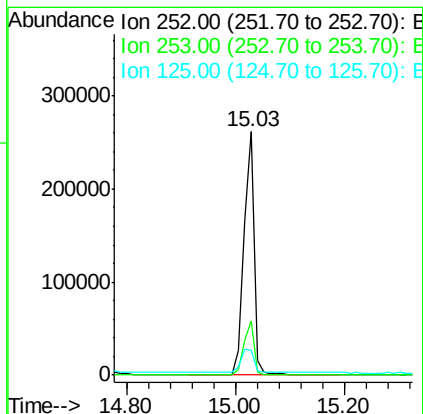
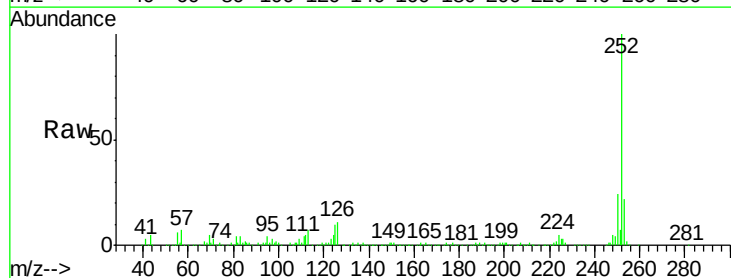
RT: 15.03 min Scan# 1141

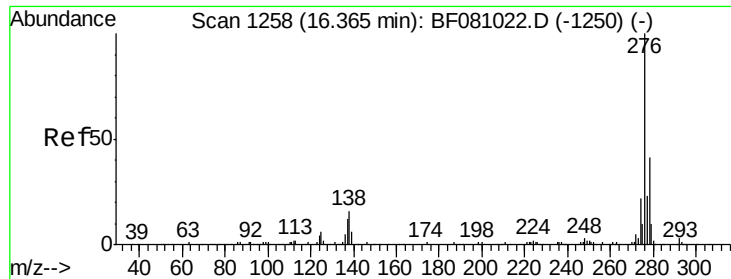
Delta R.T. -0.01 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Tgt Ion:	252	Resp:	333940
Ion Ratio	Lower	Upper	
252	100		
253	22.3	16.6	25.0
125	10.3	7.8	11.8





#90

Dibenzo(a,h)anthracene

Concen: 50.83 ng

RT: 16.32 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

Instrument :

BNA_F

ClientSampleId :

SB04-4.0-5.0-081115MSD

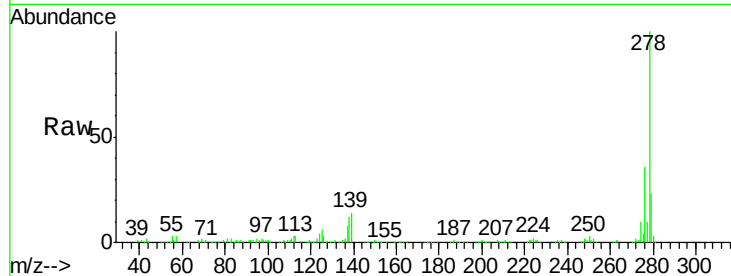
Tgt Ion:278 Resp: 316411

Ion Ratio Lower Upper

278 100

139 14.2 10.8 16.2

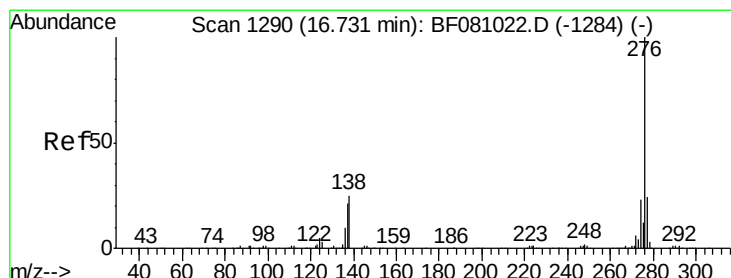
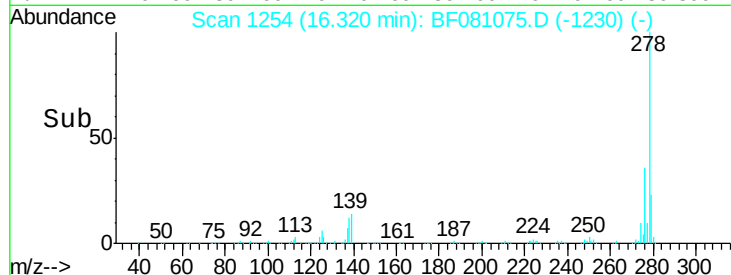
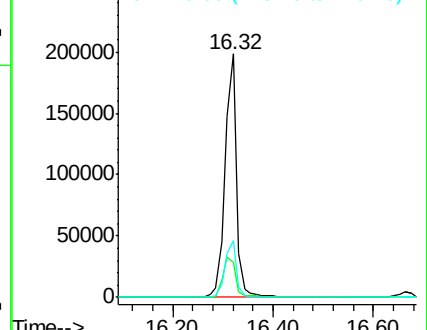
279 23.2 19.0 28.6



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: 49.38 ng

RT: 16.66 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF081075.D

Acq: 19 Aug 2015 9:33

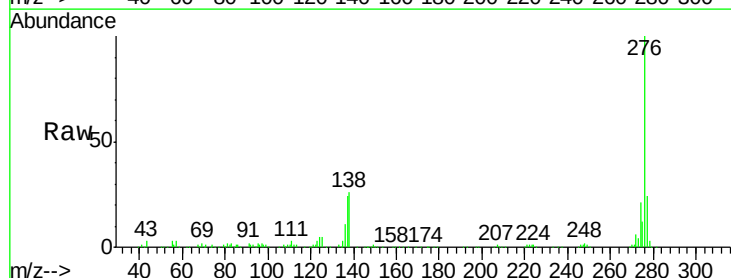
Tgt Ion:276 Resp: 311829

Ion Ratio Lower Upper

276 100

277 24.1 18.2 27.2

138 26.4 13.7 20.5#



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

