

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
 Data File : BF078943.D
 Acq On : 5 May 2015 16:30
 Operator : TP/IZ
 Sample : G2032-08MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Quant Time: May 06 01:54:01 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	81310	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	341699	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	162974	20.00	ng	0.00
63) Phenanthrene-d10	12.96	188	312683	20.00	ng	0.00
75) Chrysene-d12	16.30	240	321359	20.00	ng	0.02
86) Perylene-d12	18.18	264	326521	20.00	ng	0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	604337	127.94	ng	0.01
7) Phenol-d6	6.90	99	802236	128.49	ng	0.00
23) Nitrobenzene-d5	8.04	82	438824	73.81	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	220566	125.10	ng	0.00
44) 2-Fluorobiphenyl	10.28	172	933796	79.83	ng	0.00
78) Terphenyl-d14	14.96	244	1087871	81.05	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	66071	32.17	ng	# 28
3) Pyridine	3.11	79	145973	24.29	ng	99
4) n-Nitrosodimethylamine	3.02	42	106274m	41.27	ng	
6) Aniline	6.95	93	153128	17.37	ng	99
8) 2-Chlorophenol	7.08	128	225279	42.05	ng	100
9) Benzaldehyde	6.81	77	15820	3.76	ng	100
10) Phenol	6.92	94	311163	42.96	ng	95
11) bis(2-Chloroethyl)ether	7.04	93	214800	40.45	ng	98
12) 1,3-Dichlorobenzene	7.28	146	231794	38.49	ng	97
13) 1,4-Dichlorobenzene	7.38	146	236361	38.14	ng	98
14) 1,2-Dichlorobenzene	7.56	146	229677	39.81	ng	98
15) Benzyl Alcohol	7.53	79	177593	38.32	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.71	45	329840	40.60	ng	100
17) 2-Methylphenol	7.68	107	182539	42.34	ng	94
18) Hexachloroethane	7.98	117	80969	37.93	ng	# 77
19) n-Nitroso-di-n-propylamine	7.87	70	167399	39.69	ng	# 82
20) 3+4-Methylphenols	7.86	107	239061	41.61	ng	94
22) Acetophenone	7.86	105	320847	41.56	ng	# 98
24) Nitrobenzene	8.07	77	228433	38.76	ng	97
25) Isophorone	8.36	82	422689	38.35	ng	99
26) 2-Nitrophenol	8.47	139	104053	42.66	ng	96
27) 2,4-Dimethylphenol	8.52	122	195917	40.14	ng	94
28) bis(2-Chloroethoxy)methane	8.65	93	269818	39.71	ng	99
29) 2,4-Dichlorophenol	8.75	162	180659	41.62	ng	96
30) 1,2,4-Trichlorobenzene	8.87	180	194057	40.70	ng	97
31) Naphthalene	8.96	128	658617	40.45	ng	99
32) Benzoic acid	8.58	122	30145	14.87	ng	92
33) 4-Chloroaniline	9.03	127	125501	18.22	ng	98
34) Hexachlorobutadiene	9.12	225	101509	36.97	ng	97
35) Caprolactam	9.45	113	54704	38.98	ng	95
36) 4-Chloro-3-methylphenol	9.63	107	202054	44.32	ng	91
37) 2-Methylnaphthalene	9.82	142	453168	40.17	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.02	216	179345	39.07	ng	# 100
40) Hexachlorocyclopentadiene	10.01	237	157018	68.03	ng	99

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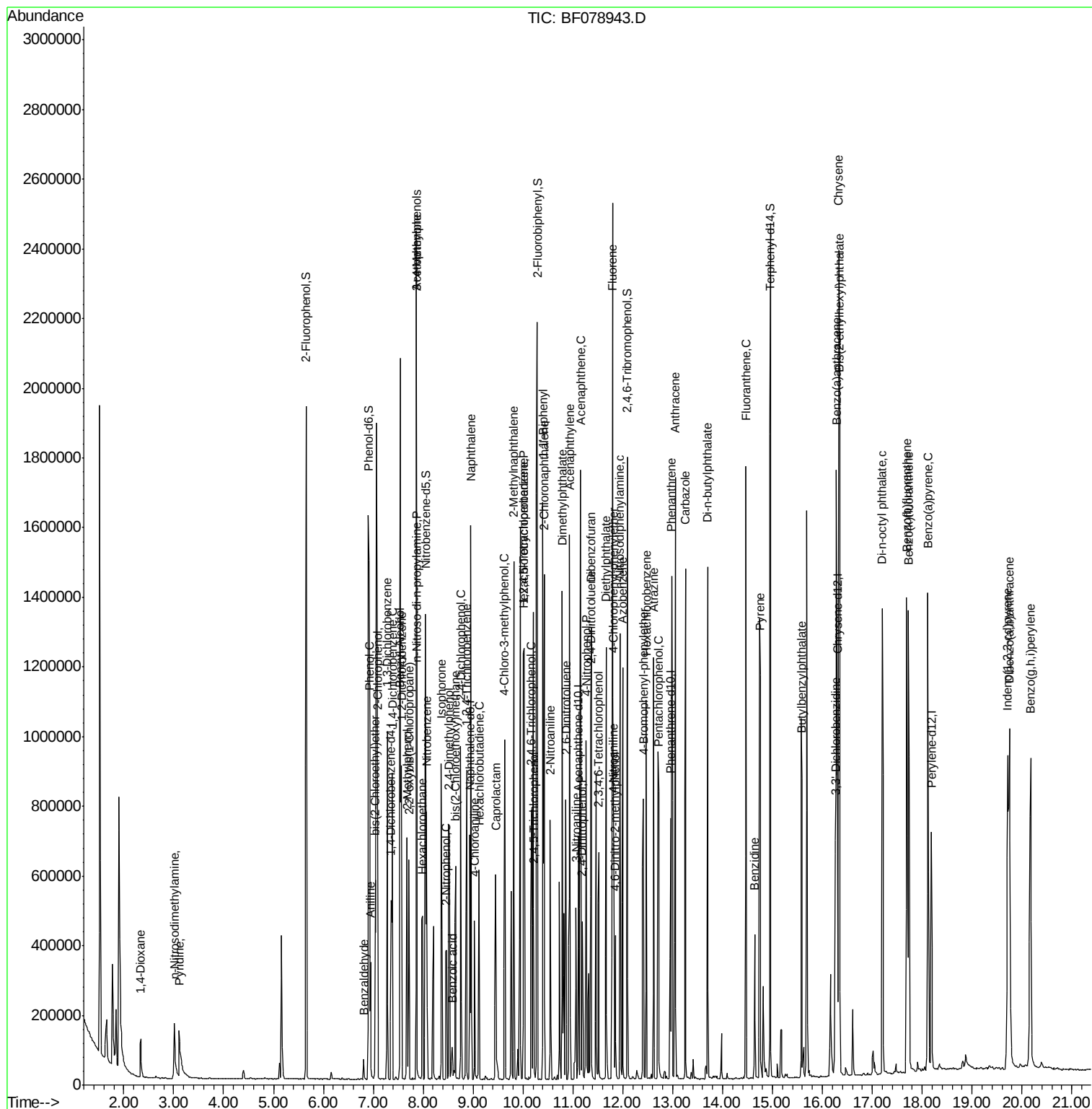
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	10.17	196	125816	39.87	nq	98
43) 2,4,5-Trichlorophenol	10.22	196	131821	41.32	nq	# 87
45) 1,1'-Biphenyl	10.40	154	532838	41.13	nq	100
46) 2-Chloronaphthalene	10.42	162	408869	40.46	nq	99
47) 2-Nitroaniline	10.55	65	121834	41.61	nq	98
48) Acenaphthylene	10.94	152	663848	40.01	nq	99
49) Dimethylphthalate	10.79	163	545483	45.61	nq	99
50) 2,6-Dinitrotoluene	10.86	165	95044	40.26	nq	98
51) Acenaphthene	11.15	154	395665	39.99	nq	98
52) 3-Nitroaniline	11.06	138	86956	29.49	nq	# 98
53) 2,4-Dinitrophenol	11.19	184	51593	61.44	nq	# 82
54) Dibenzofuran	11.37	168	598169	41.85	nq	97
55) 4-Nitrophenol	11.27	139	205274	87.96	nq	96
56) 2,4-Dinitrotoluene	11.36	165	134389	43.06	nq	# 67
57) Fluorene	11.79	166	483250	41.19	nq	99
58) 2,3,4,6-Tetrachlorophenol	11.52	232	106760	40.95	nq	# 100
59) Diethylphthalate	11.67	149	471406	39.78	nq	100
60) 4-Chlorophenyl-phenylether	11.81	204	205773	39.54	nq	95
61) 4-Nitroaniline	11.82	138	109114	36.99	nq	93
62) Azobenzene	12.00	77	496744	42.54	nq	96
64) 4,6-Dinitro-2-methylphenol	11.85	198	46077	38.48	nq	93
65) n-Nitrosodiphenylamine	11.94	169	400313	38.44	nq	98
66) 4-Bromophenyl-phenylether	12.41	248	132608	40.69	nq	93
67) Hexachlorobenzene	12.47	284	145106	38.95	nq	93
68) Atrazine	12.62	200	124659	41.17	nq	99
69) Pentachlorophenol	12.72	266	150729	70.09	nq	99
70) Phenanthrene	12.98	178	675113	38.59	nq	100
71) Anthracene	13.05	178	681315	39.70	nq	100
72) Carbazole	13.26	167	690722	42.23	nq	98
73) Di-n-butylphthalate	13.70	149	779031	39.71	nq	99
74) Fluoranthene	14.47	202	763333	41.88	nq	96
76) Benzidine	14.64	184	172306	19.89	nq	99
77) Pyrene	14.75	202	789518	42.63	nq	99
79) Butylbenzylphthalate	15.59	149	345551	42.69	nq	# 77
80) Benzo(a)anthracene	16.29	228	728242	41.38	nq	99
81) 3,3'-Dichlorobenzidine	16.26	252	211079	33.67	nq	100
82) Chrysene	16.33	228	674242	39.84	nq	99
83) Bis(2-ethylhexyl)phthalate	16.34	149	509588	41.56	nq	99
84) Di-n-octyl phthalate	17.20	149	869862	40.28	nq	# 100
85) Indeno(1,2,3-cd)pyrene	19.71	276	888303	41.19	nq	# 100
87) Benzo(b)fluoranthene	17.69	252	778832	43.58	nq	99
88) Benzo(k)fluoranthene	17.73	252	671784	38.83	nq	99
89) Benzo(a)pyrene	18.11	252	708492	43.05	nq	# 96
90) Dibenzo(a,h)anthracene	19.75	278	704333	40.27	nq	98
91) Benzo(g,h,i)perylene	20.17	276	736277	42.00	nq	99

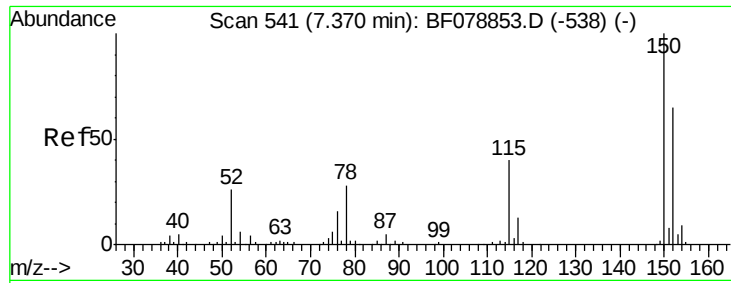
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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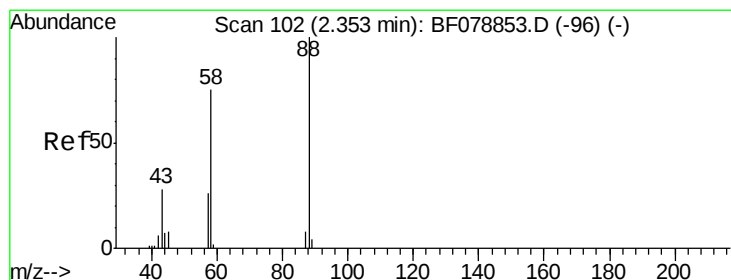
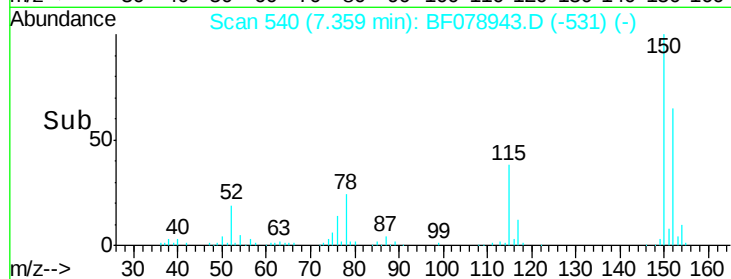
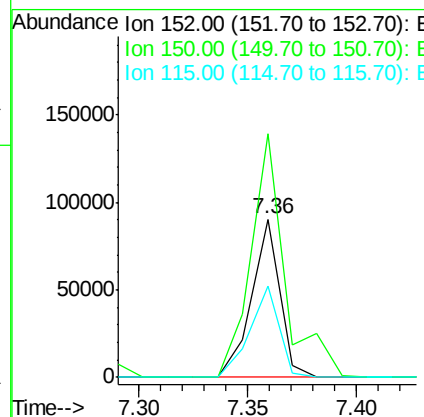
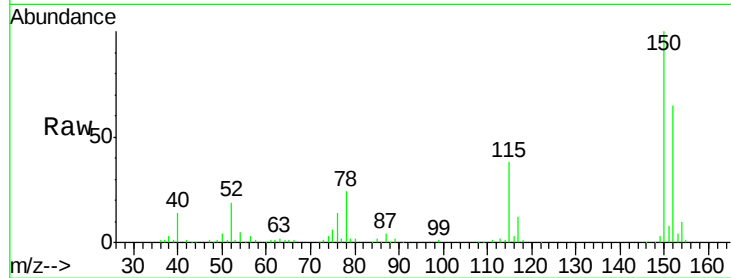




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.36 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

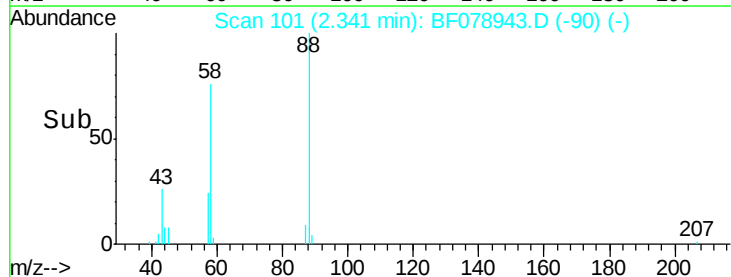
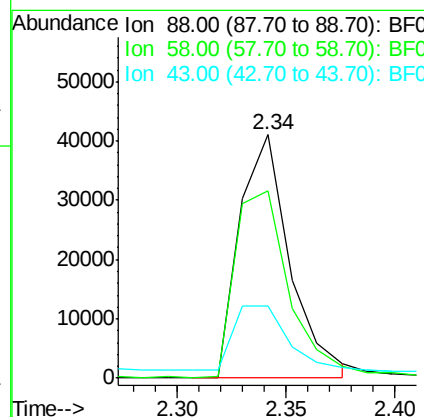
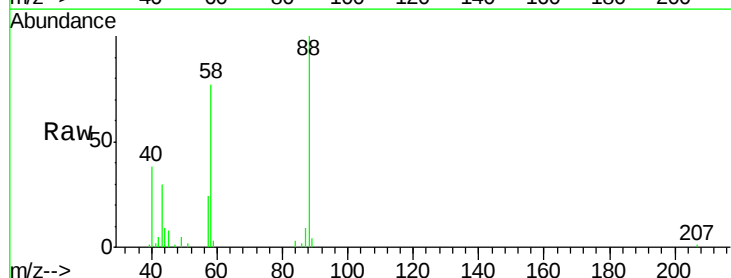
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

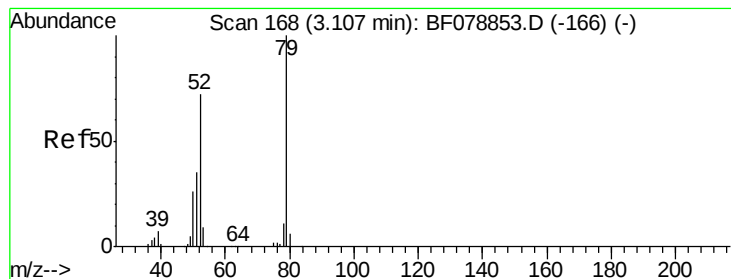
Tot Ion:152 Resp: 81310
 Ion Ratio Lower Upper
 152 100
 150 154.1 122.0 183.0
 115 57.8 46.3 69.5



#2
 1,4-Dioxane
 Concen: 32.17 ng
 RT: 2.34 min Scan# 101
 Delta R.T. 0.02 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion: 88 Resp: 66071
 Ion Ratio Lower Upper
 88 100
 58 83.4 0.0 0.0#
 43 27.8 3.3 4.9#





#3

Pvridine

Concen: 24.29 ng

RT: 3.11 min Scan# 168

Delta R.T. 0.03 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

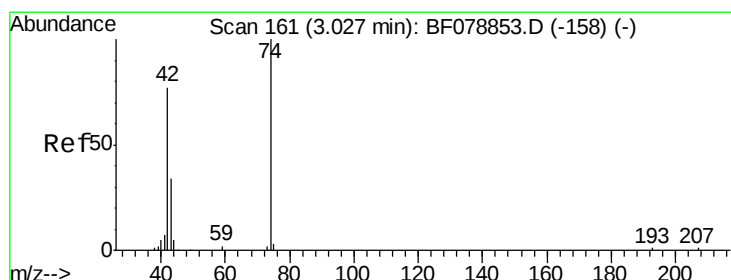
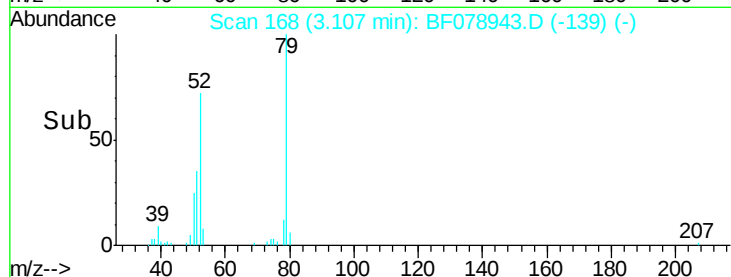
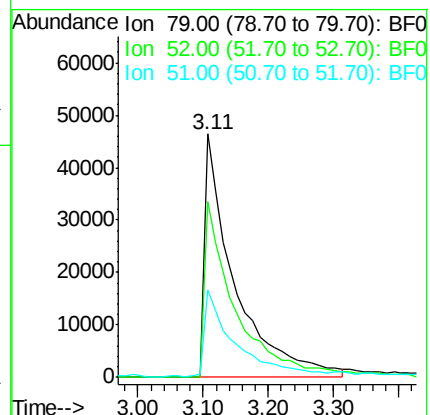
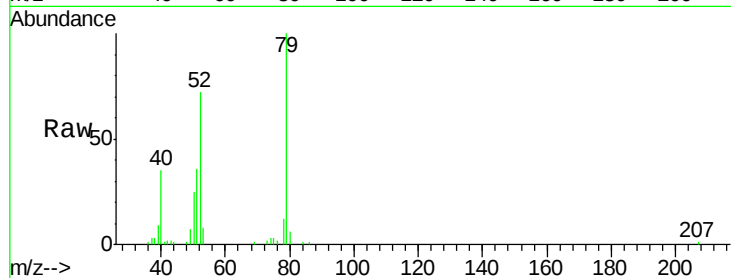
Tot Ion: 79 Resp: 145973

Ion Ratio Lower Upper

79 100

52 72.3 57.2 85.8

51 35.7 28.9 43.3



#4

n-Nitrosodimethylamine

Concen: 41.27 ng m

RT: 3.02 min Scan# 160

Delta R.T. 0.02 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

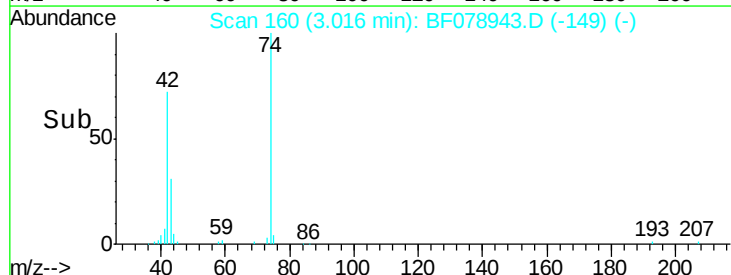
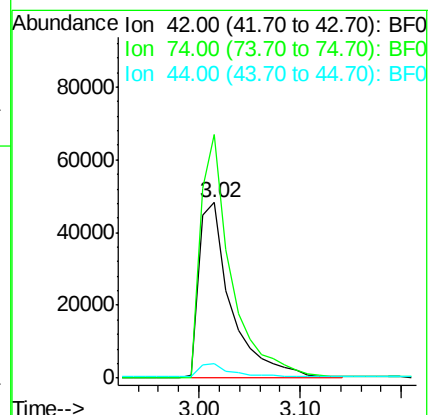
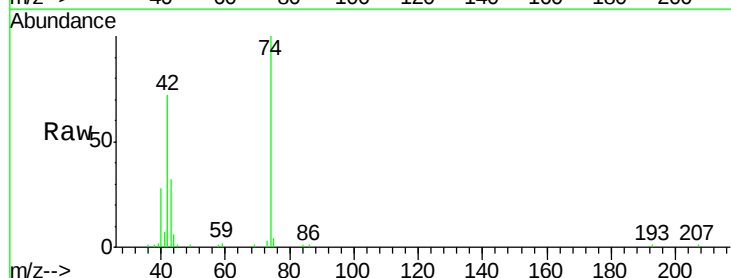
Tgt Ion: 42 Resp: 106274

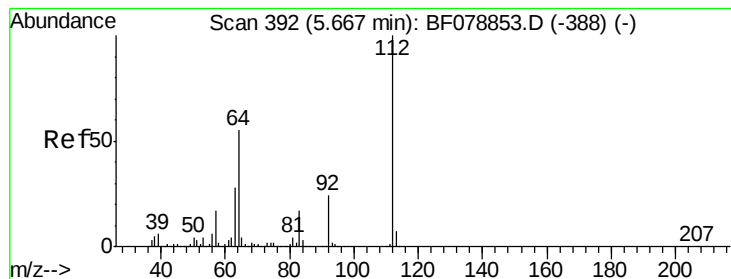
Ion Ratio Lower Upper

42 100

74 139.0 96.5 144.7

44 7.9 6.1 9.1





#5

2-Fluorophenol

Concen: 127.94 ng

RT: 5.66 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

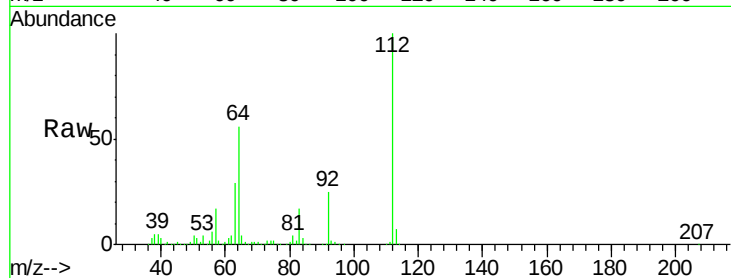
Tot Ion:112 Resp: 604337

Ion Ratio Lower Upper

112 100

64 55.7 53.5 80.3

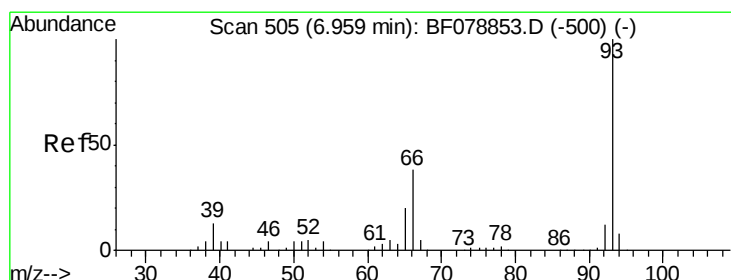
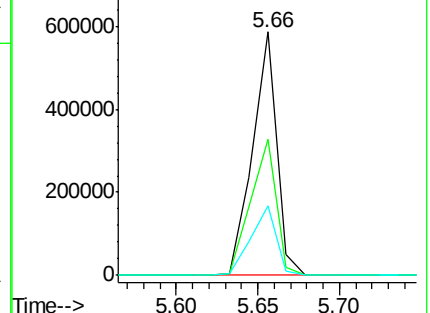
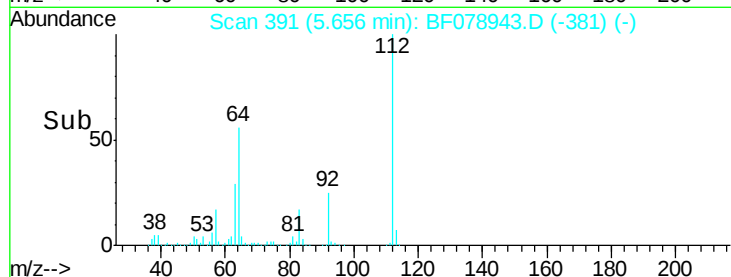
63 28.5 27.5 41.3



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: 17.37 ng

RT: 6.95 min Scan# 504

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

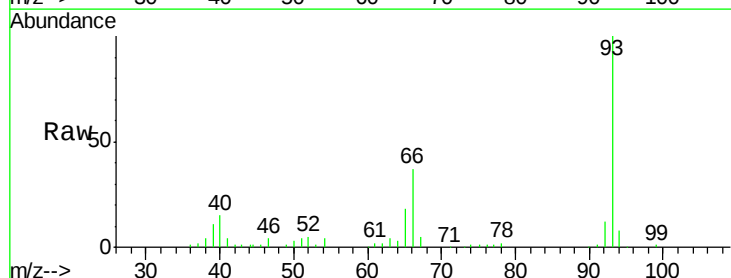
Tgt Ion: 93 Resp: 153128

Ion Ratio Lower Upper

93 100

66 36.6 29.7 44.5

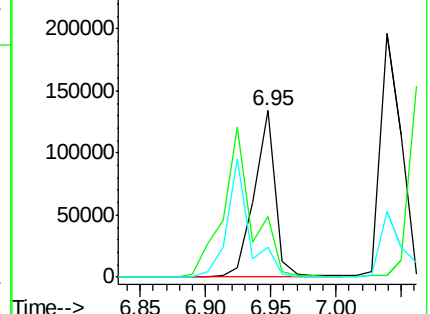
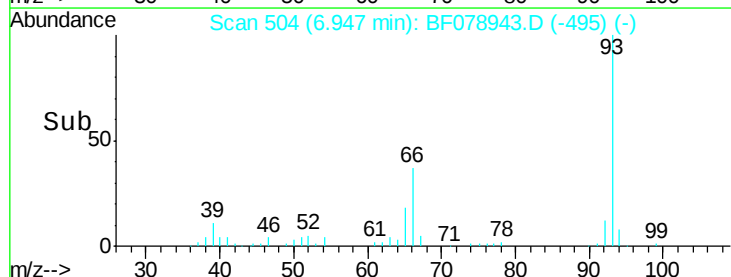
65 18.0 14.6 22.0



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: 128.49 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

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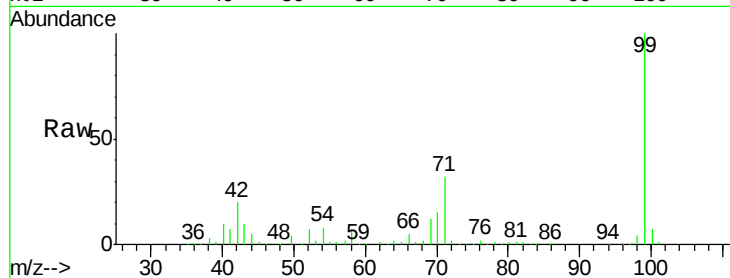
Tot Ion: 99 Resp: 802236

Ion Ratio Lower Upper

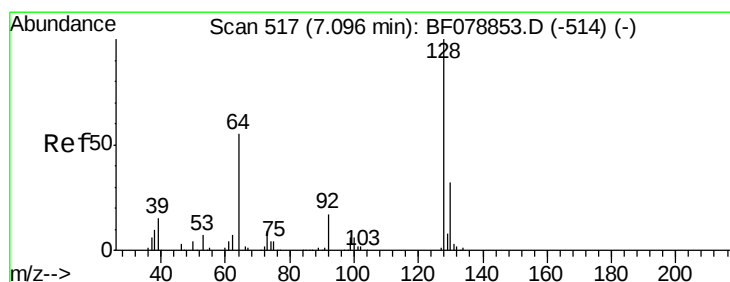
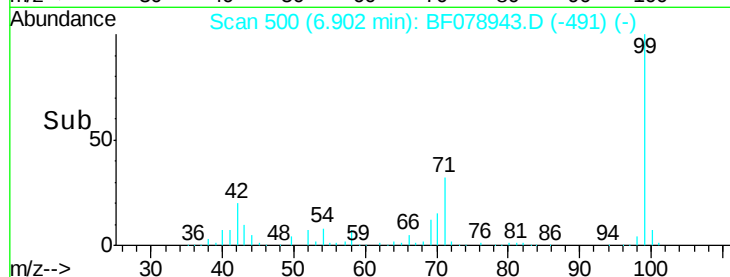
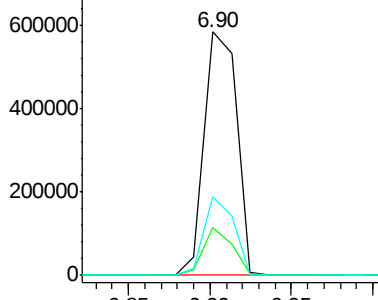
99 100

42 19.9 12.8 19.2#

71 32.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.05 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

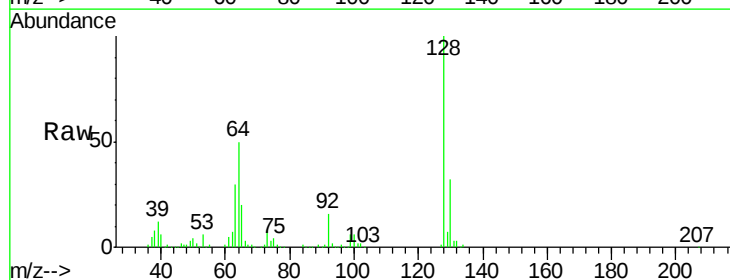
Tgt Ion: 128 Resp: 225279

Ion Ratio Lower Upper

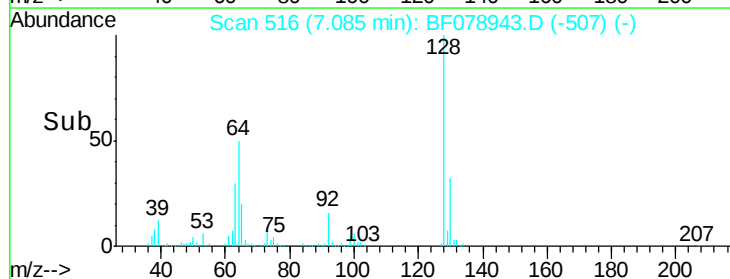
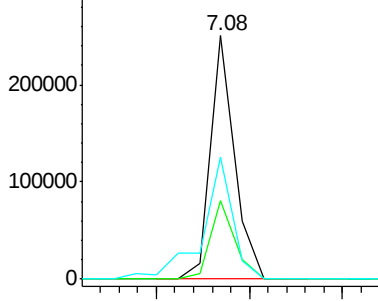
128 100

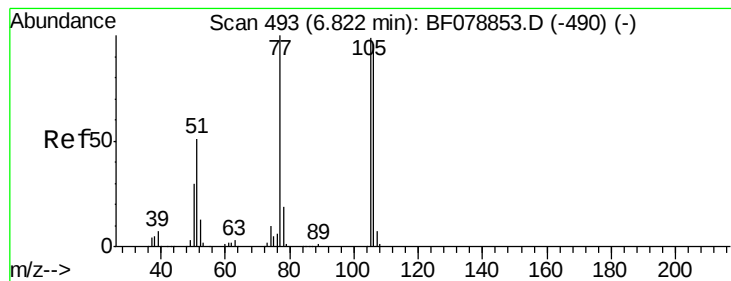
130 32.2 12.1 52.1

64 49.9 29.6 69.6



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: 3.76 ng

RT: 6.81 min Scan# 492

Delta R.T. -0.00 min

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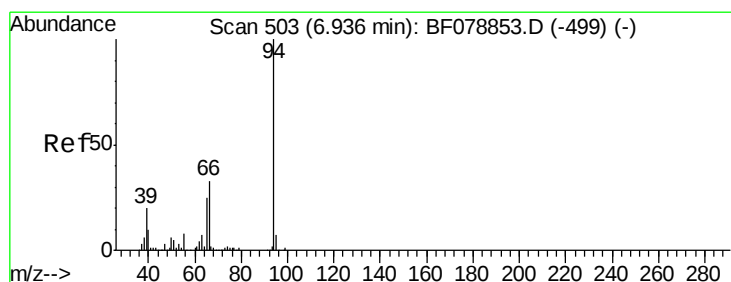
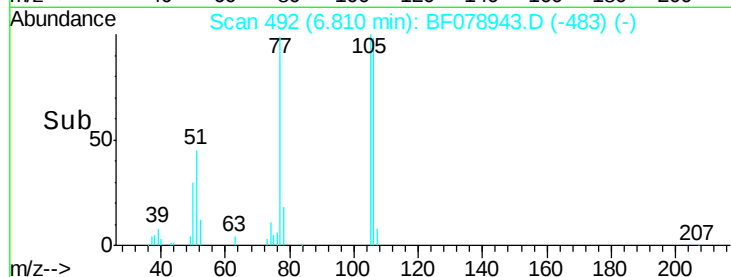
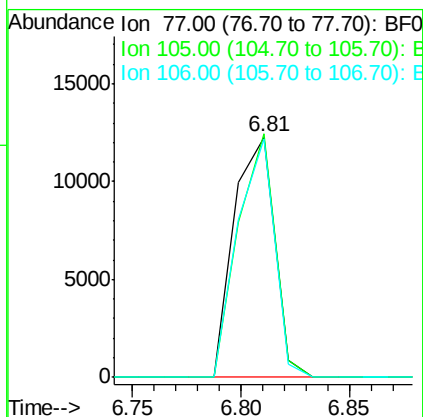
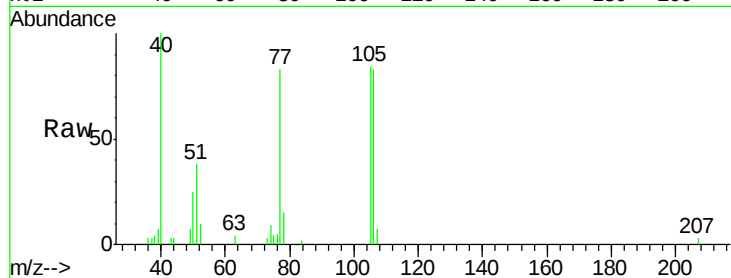
Tot Ion: 77 Resp: 15820

Ion Ratio Lower Upper

77 100

105 101.4 81.7 121.7

106 99.3 79.0 119.0



#10

Phenol

Concen: 42.96 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

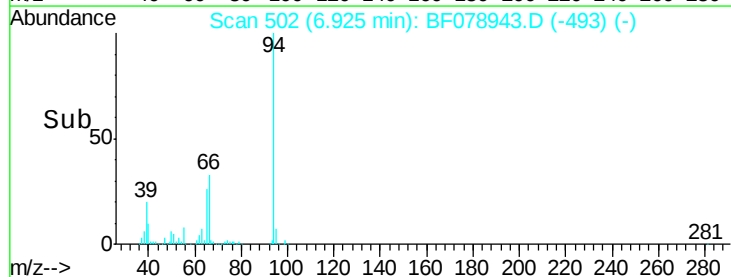
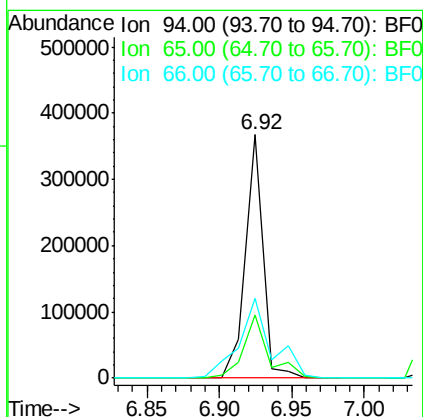
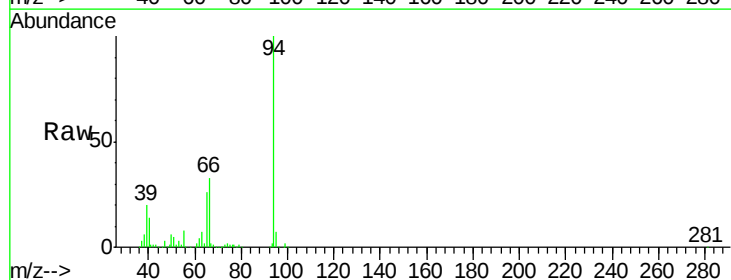
Tgt Ion: 94 Resp: 311163

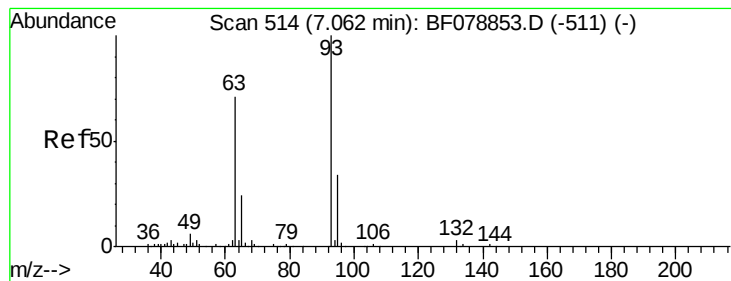
Ion Ratio Lower Upper

94 100

65 26.0 8.5 48.5

66 32.9 16.0 56.0

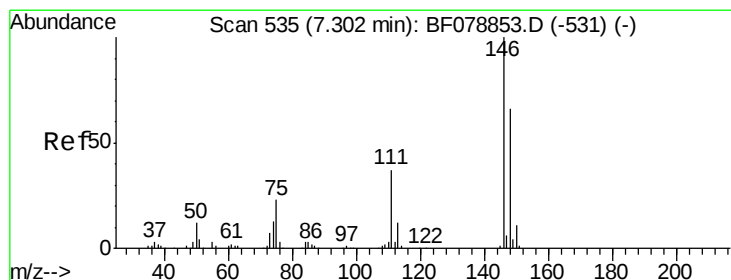
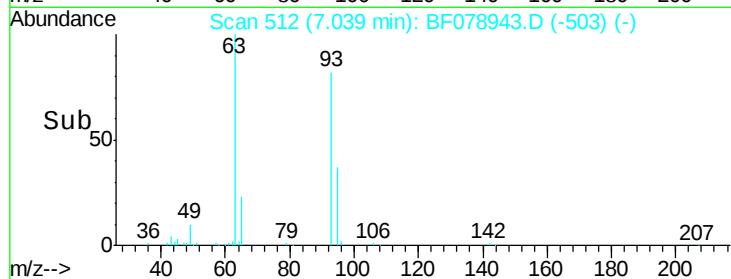
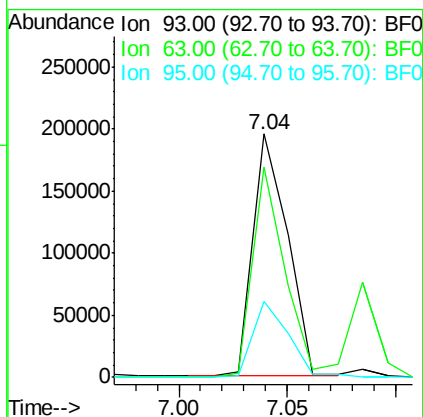
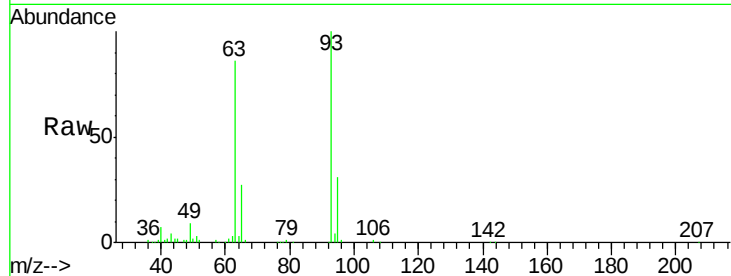




#11
bis(2-Chloroethyl)ether
Concen: 40.45 ng
RT: 7.04 min Scan# 512
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

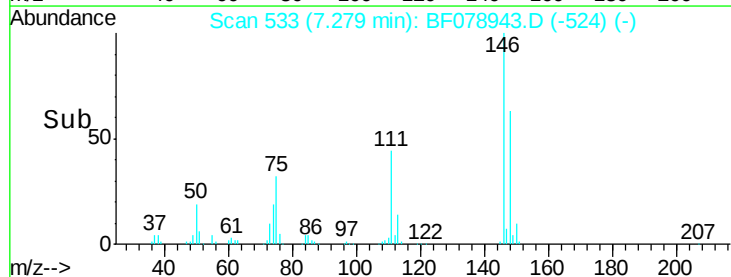
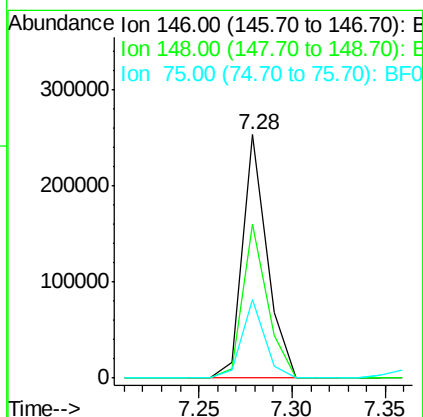
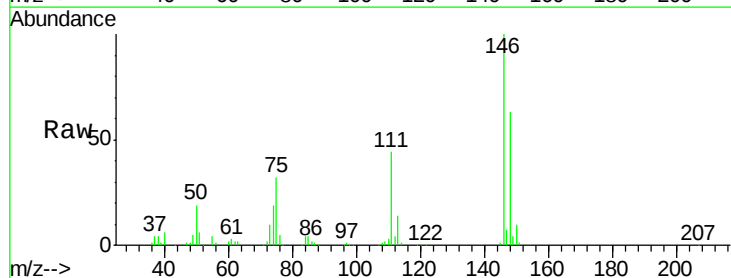
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion: 93 Resp: 214800
Ion Ratio Lower Upper
93 100
63 86.3 64.8 104.8
95 31.3 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 38.49 ng
RT: 7.28 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion: 146 Resp: 231794
Ion Ratio Lower Upper
146 100
148 63.2 50.2 75.2
75 32.5 29.2 43.8

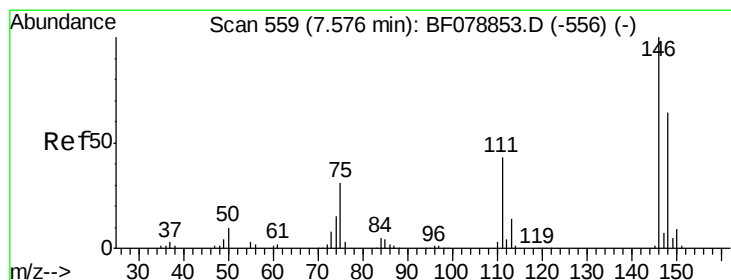
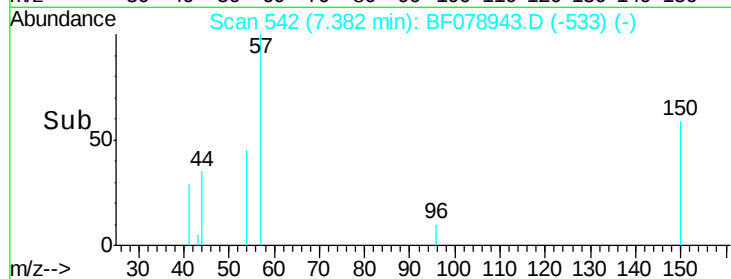
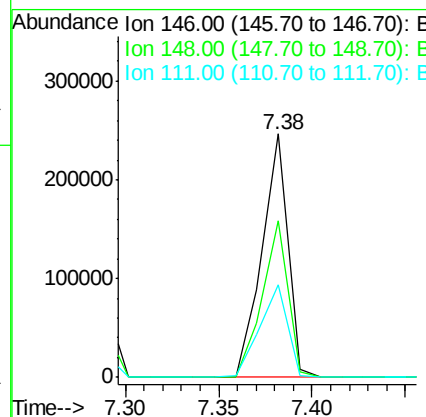
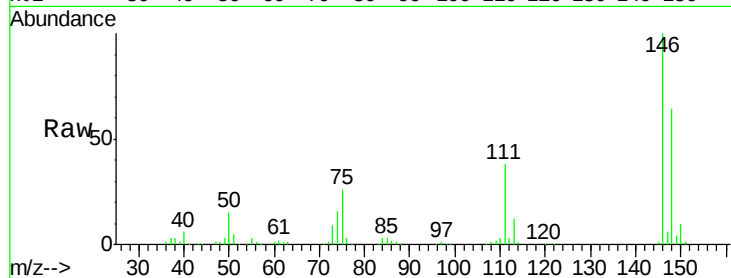




#13
 1,4-Dichlorobenzene
 Concen: 38.14 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

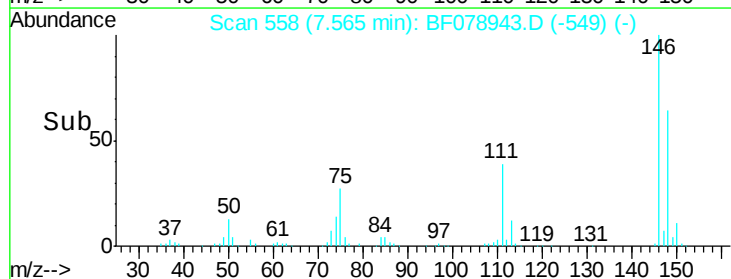
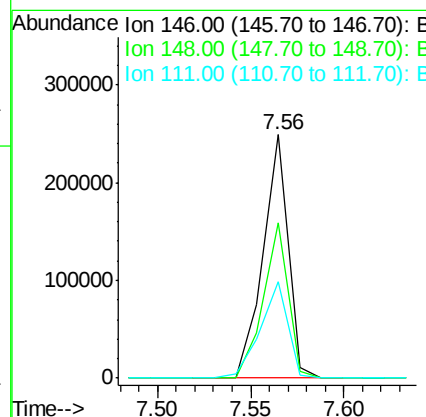
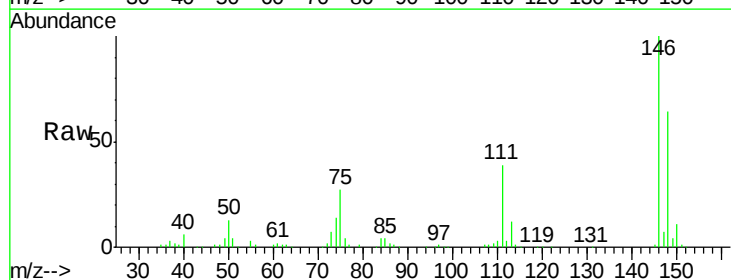
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion:146 Resp: 236361
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.8 79.2
 111 38.1 31.7 47.5



#14
 1,2-Dichlorobenzene
 Concen: 39.81 ng
 RT: 7.56 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:146 Resp: 229677
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.2 76.8
 111 39.3 33.3 49.9





#15

Benzyl Alcohol

Concen: 38.32 ng

RT: 7.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

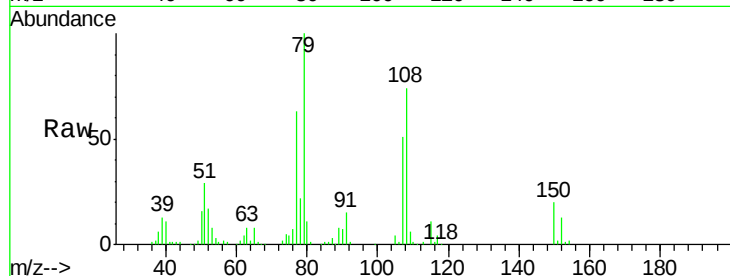
Tot Ion: 79 Resp: 177593

Ion Ratio Lower Upper

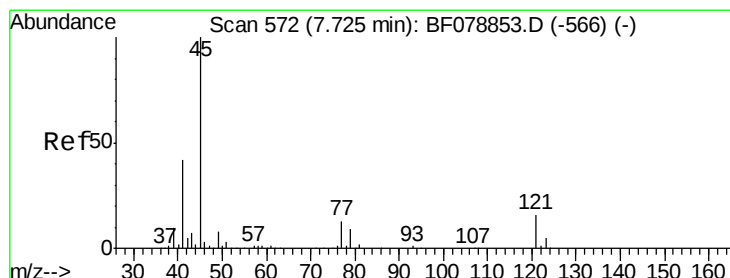
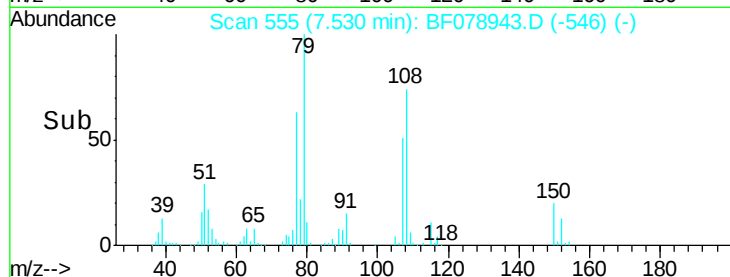
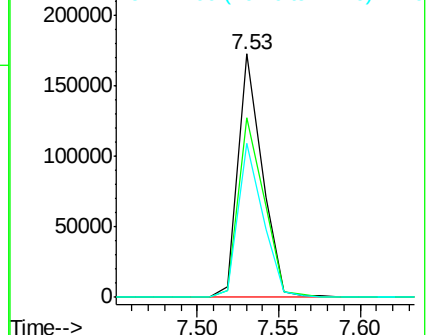
79 100

108 73.9 62.5 93.7

77 63.3 52.2 78.4



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: 40.60 ng

RT: 7.71 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

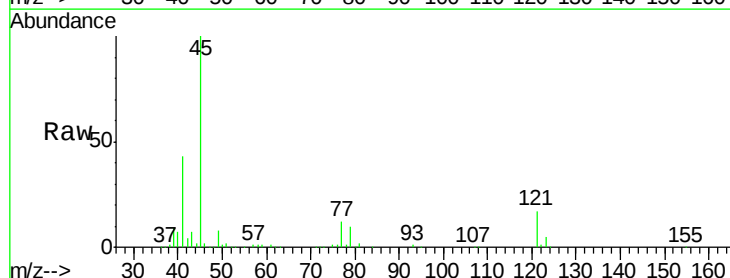
Tgt Ion: 45 Resp: 329840

Ion Ratio Lower Upper

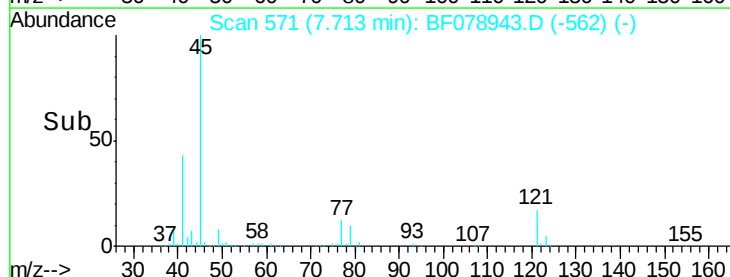
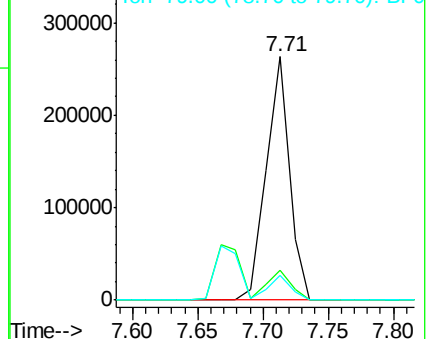
45 100

77 12.4 0.0 32.3

79 10.1 0.0 30.1



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

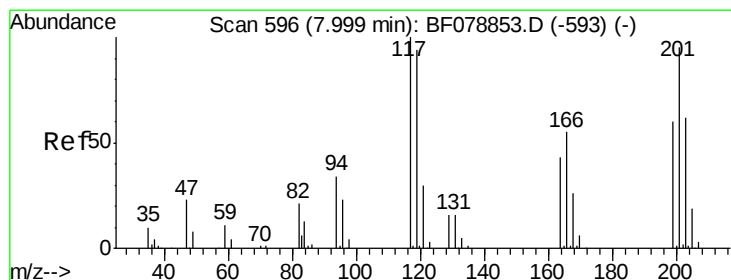
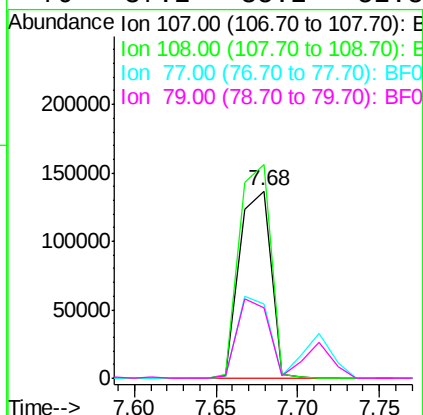
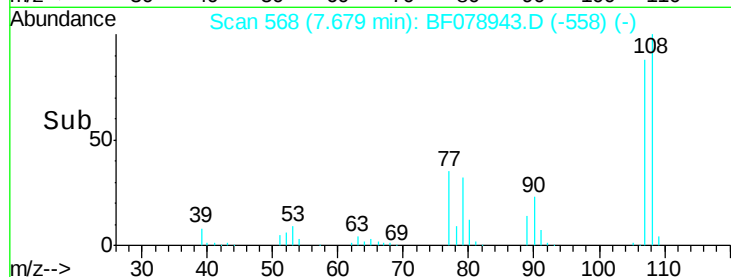
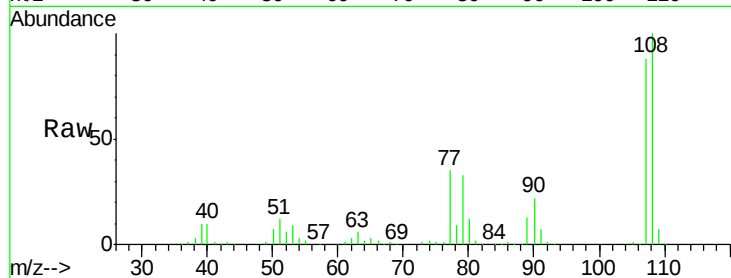




#17
2-Methylphenol
Concen: 42.34 ng
RT: 7.68 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

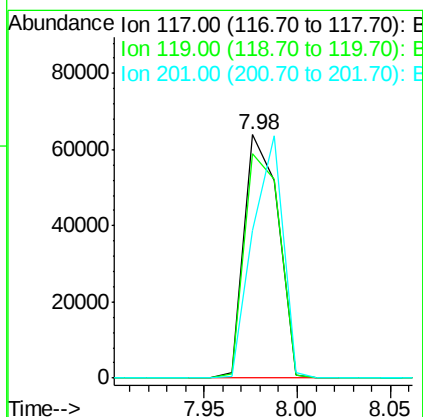
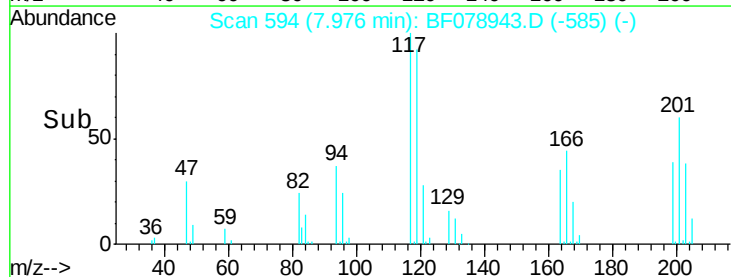
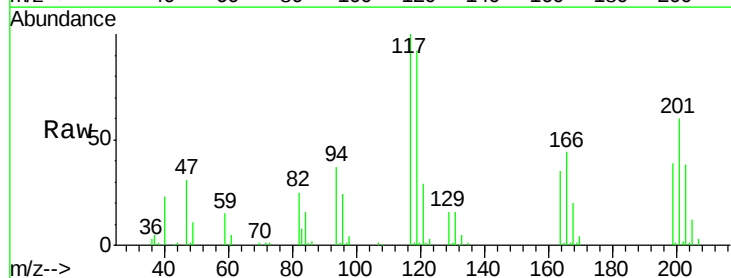
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

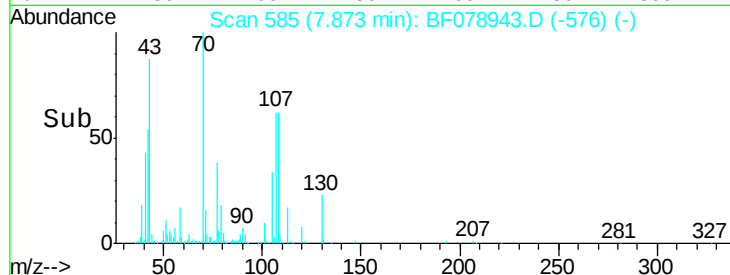
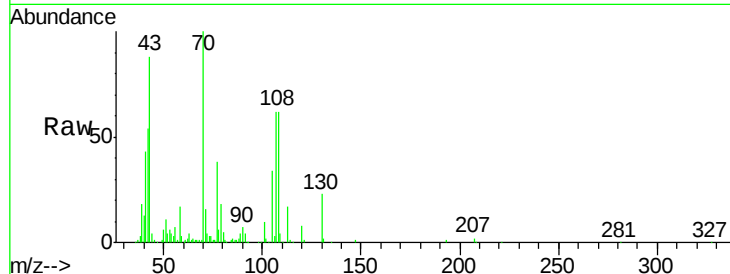
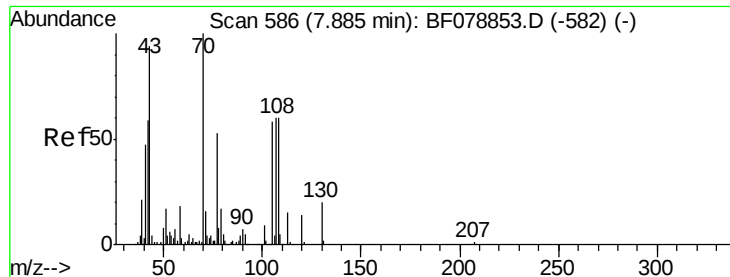
Tot Ion:	107	Resp:	182539
Ion	Ratio	Lower	Upper
107	100		
108	114.0	94.9	142.3
77	39.7	36.2	54.4
79	37.2	35.2	52.8



#18
Hexachloroethane
Concen: 37.93 ng
RT: 7.98 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:	117	Resp:	80969
Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.4	113.0
201	60.4	83.2	124.8#

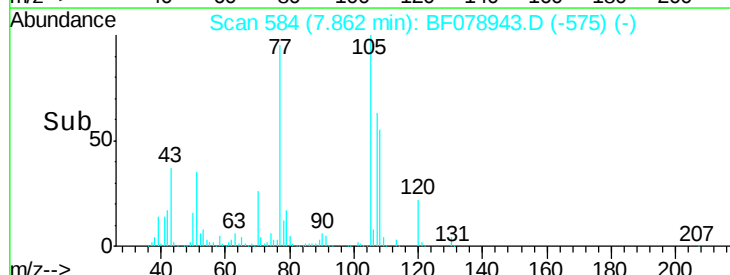
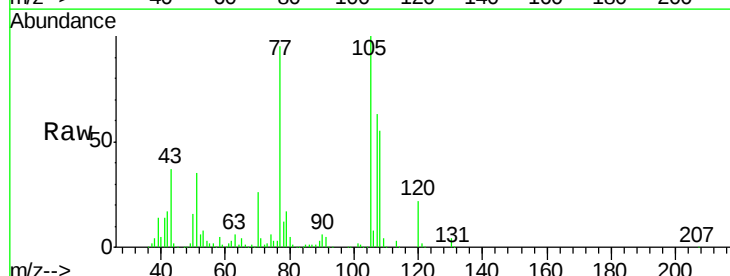
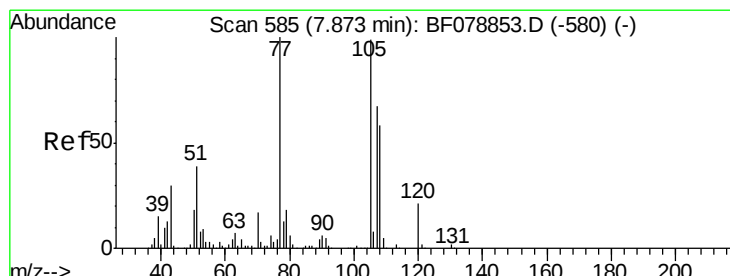
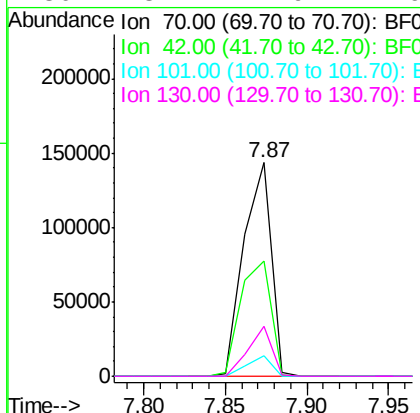




#19
n-Nitroso-di-n-propylamine
Concen: 39.69 ng
RT: 7.87 min Scan# 585
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

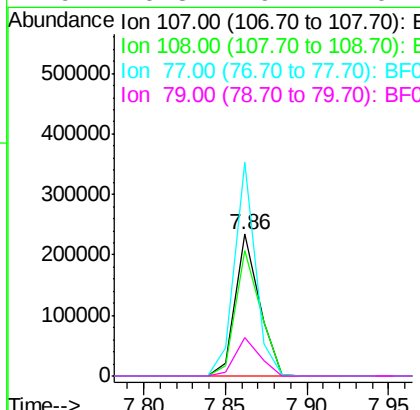
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion: 70 Resp: 167399
Ion Ratio Lower Upper
70 100
42 53.7 55.4 83.0#
101 9.6 6.6 10.0
130 23.2 11.9 17.9#



#20
3+4-Methylphenols
Concen: 41.61 ng
RT: 7.86 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:107 Resp: 239061
Ion Ratio Lower Upper
107 100
108 88.0 76.9 116.9
77 150.6 136.8 176.8
79 26.8 9.7 49.7

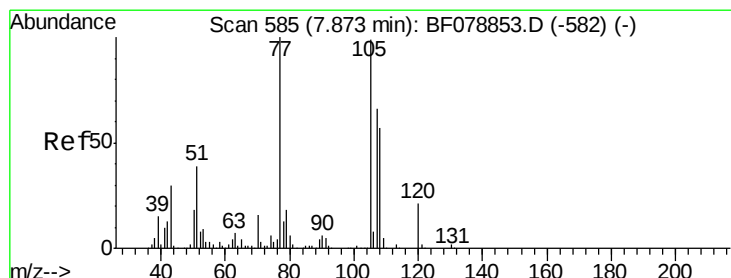
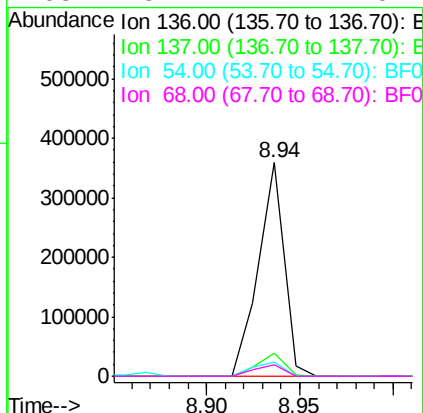
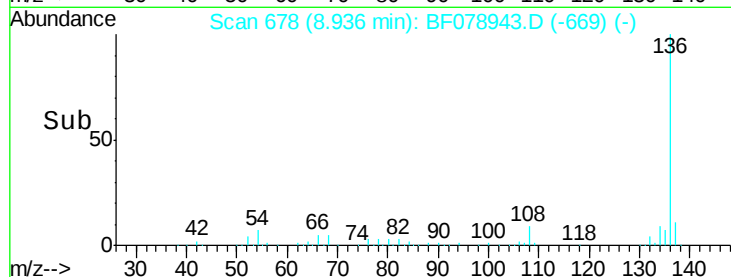
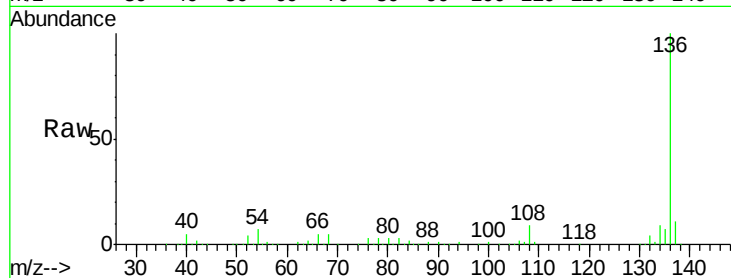




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.94 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

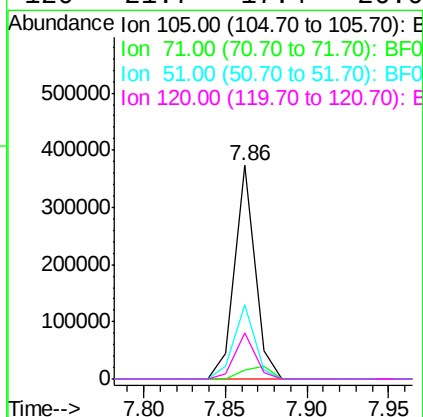
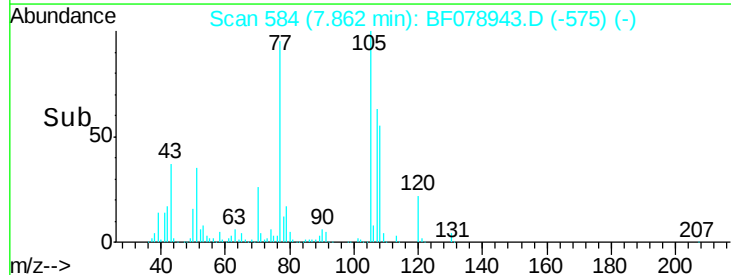
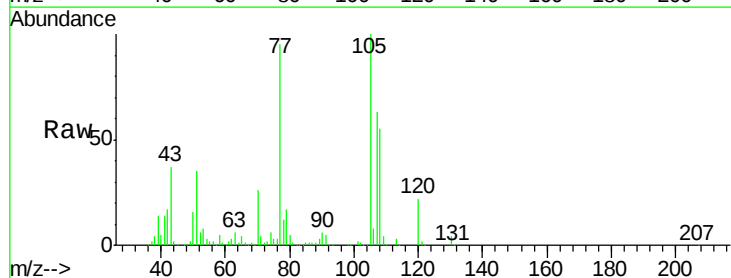
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

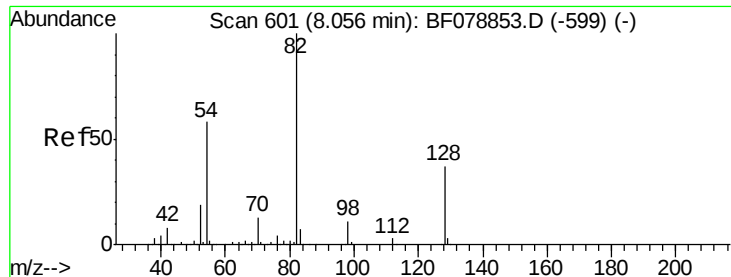
Tot Ion:136	Resp:	341699
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.7 13.1
54	6.8	5.8 8.8
68	5.2	4.2 6.4



#22
Acetophenone
Concen: 41.56 ng
RT: 7.86 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:105	Resp:	320847
Ion Ratio	Lower	Upper
105	100	
71	4.3	4.6 6.8#
51	34.8	26.7 40.1
120	21.7	17.4 26.0

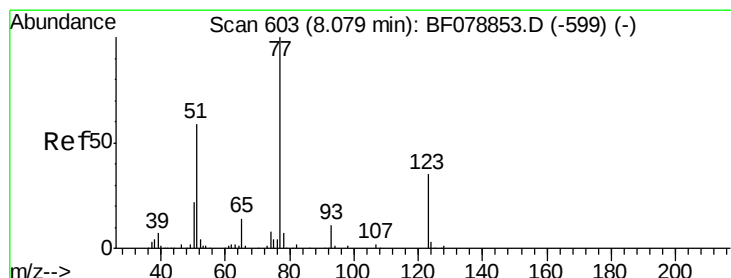
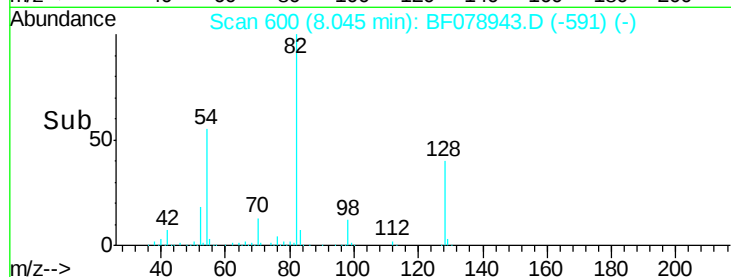
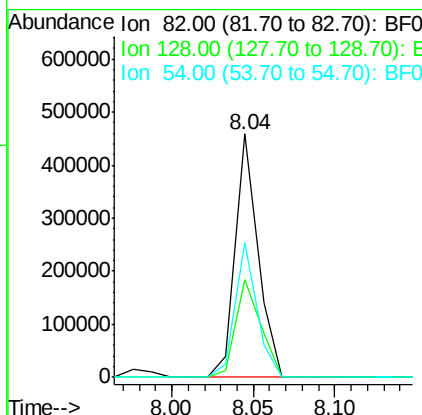
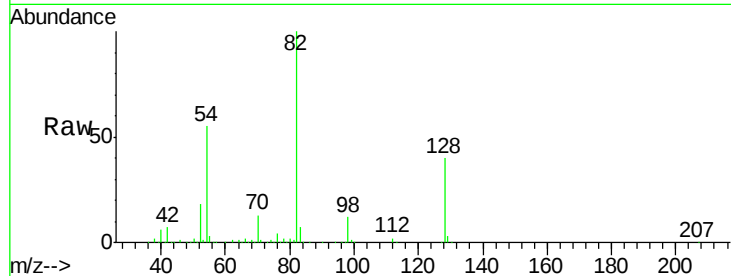




#23
 Nitrobenzene-d5
 Concen: 73.81 ng
 RT: 8.04 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

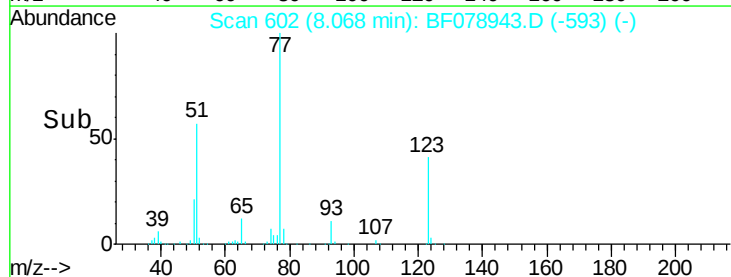
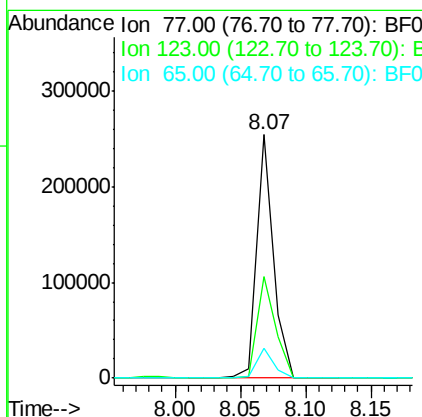
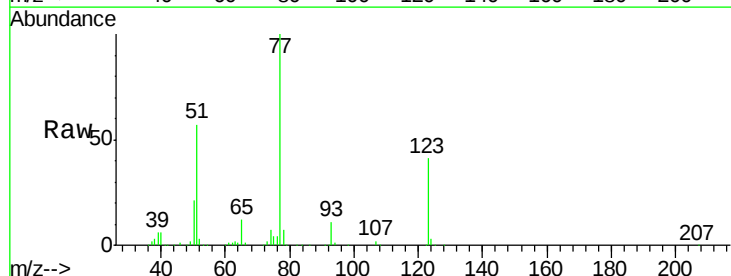
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

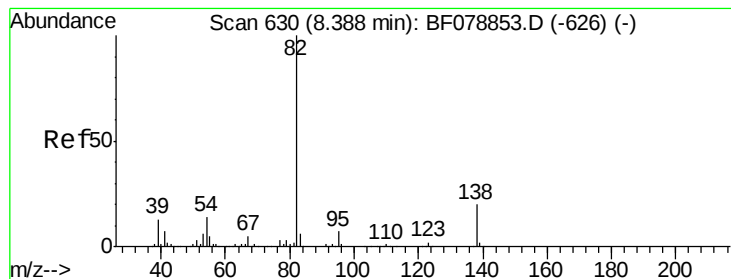
Tot Ion	82	Resp	438824
Ion Ratio	Lower	Upper	
82	100		
128	40.2	30.0	45.0
54	55.2	46.4	69.6



#24
 Nitrobenzene
 Concen: 38.76 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion	77	Resp	228433
Ion Ratio	Lower	Upper	
77	100		
123	41.5	31.8	47.8
65	12.5	10.6	15.8





#25

Isophorone

Concen: 38.35 ng

RT: 8.36 min Scan# 628

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

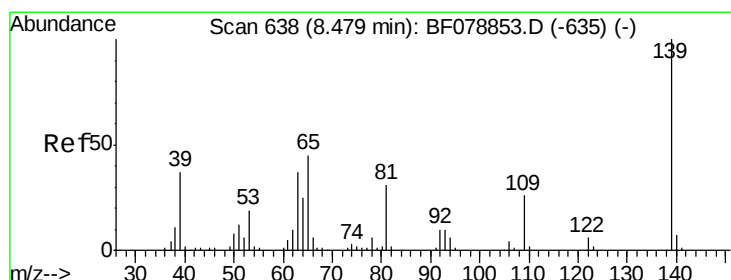
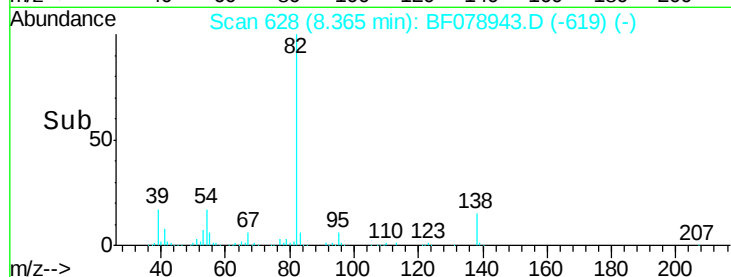
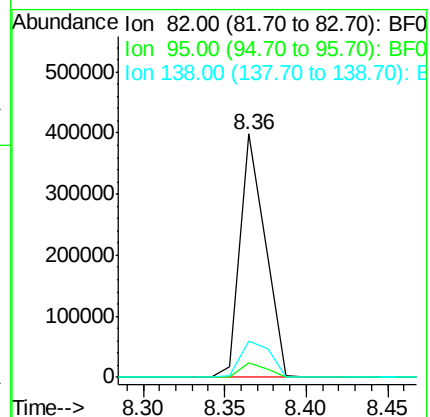
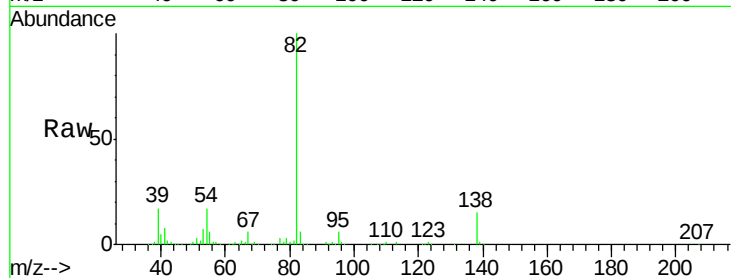
Tot Ion: 82 Resp: 422689

Ion Ratio Lower Upper

82 100

95 6.0 5.3 7.9

138 15.0 12.0 18.0



#26

2-Nitrophenol

Concen: 42.66 ng

RT: 8.47 min Scan# 637

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

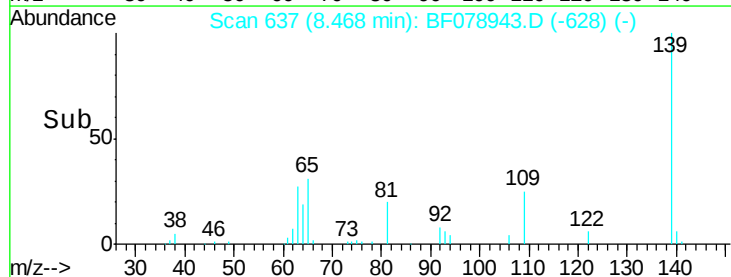
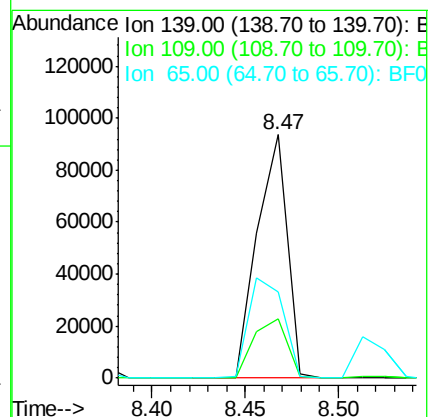
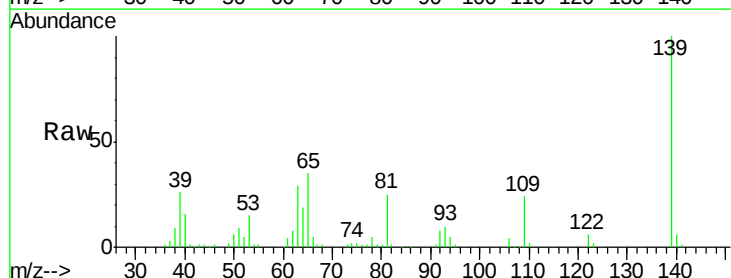
Tgt Ion: 139 Resp: 104053

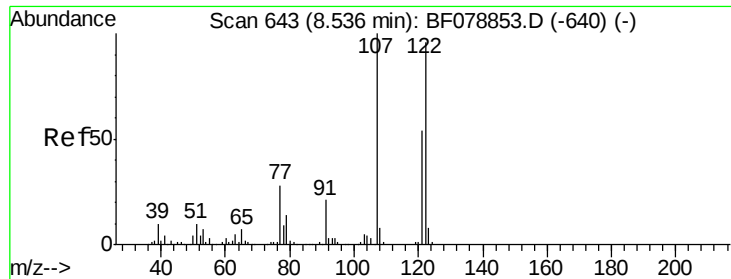
Ion Ratio Lower Upper

139 100

109 24.1 21.0 31.4

65 35.5 30.5 45.7





#27

2,4-Dimethylphenol

Concen: 40.14 ng

RT: 8.52 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

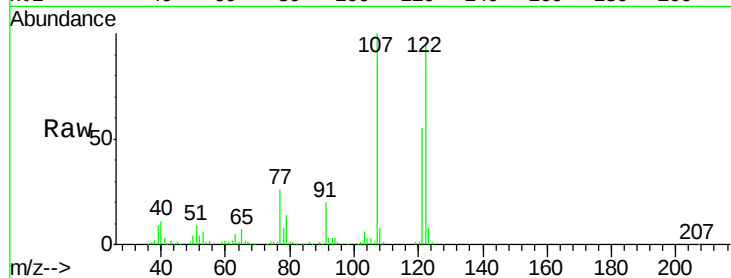
Tot Ion:122 Resp: 195917

Ion Ratio Lower Upper

122 100

107 104.0 90.6 135.8

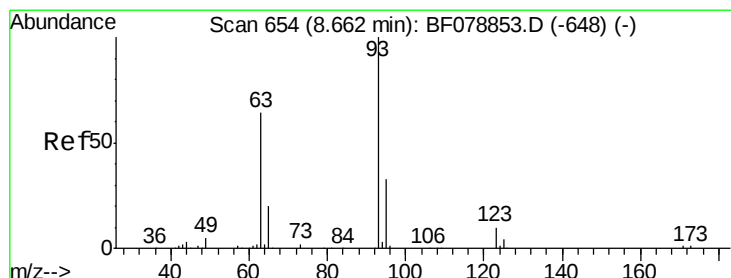
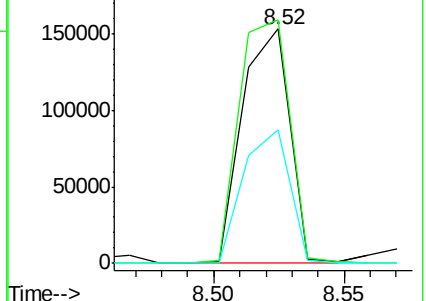
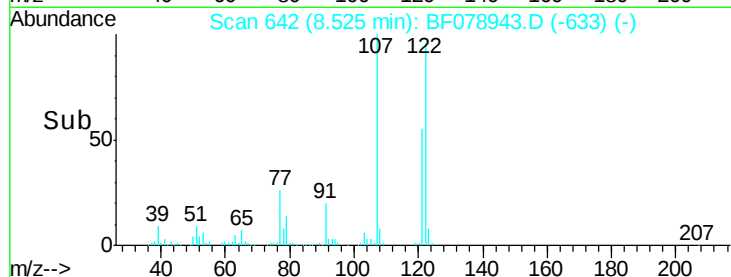
121 56.9 45.4 68.2



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: 39.71 ng

RT: 8.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

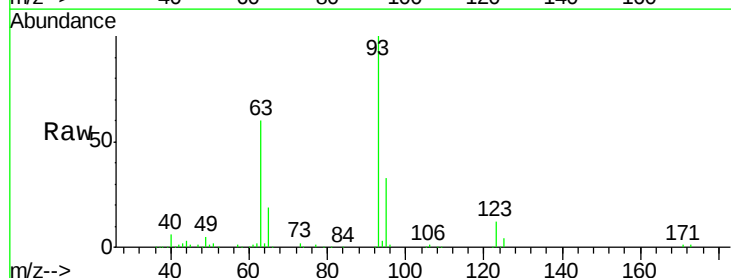
Tgt Ion: 93 Resp: 269818

Ion Ratio Lower Upper

93 100

95 33.2 26.7 40.1

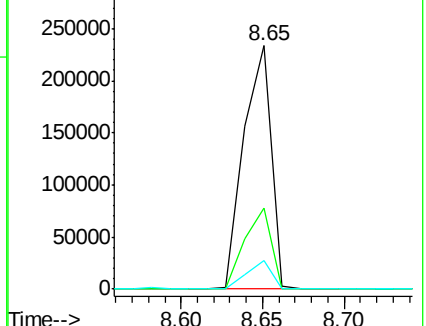
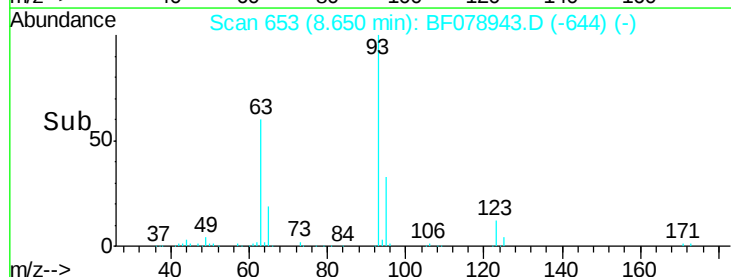
123 11.8 9.1 13.7

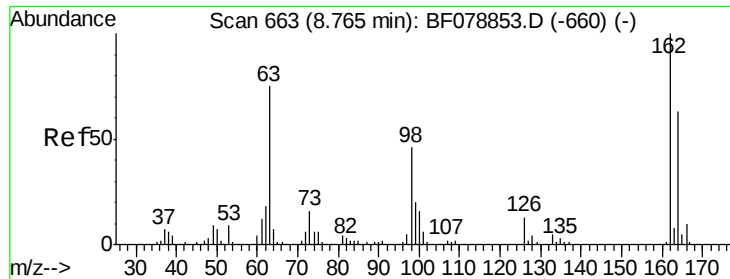


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

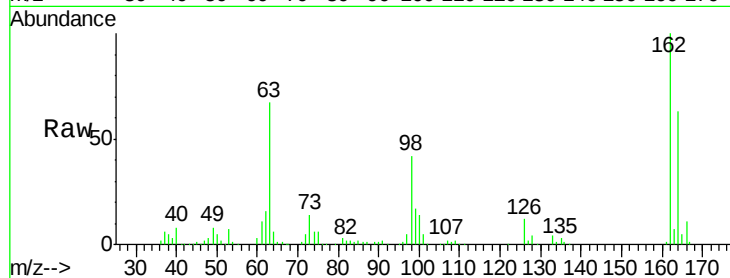




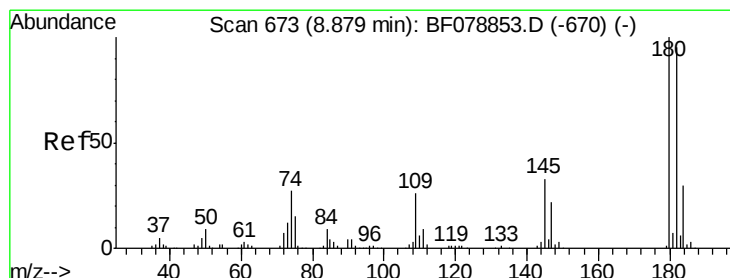
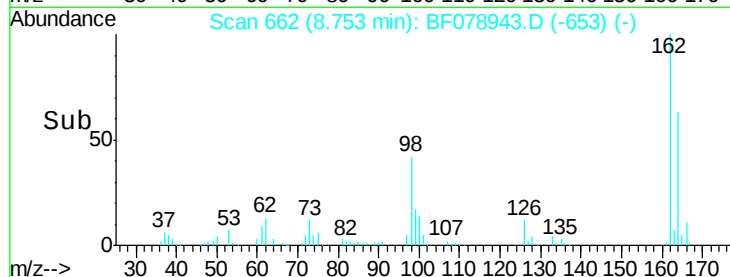
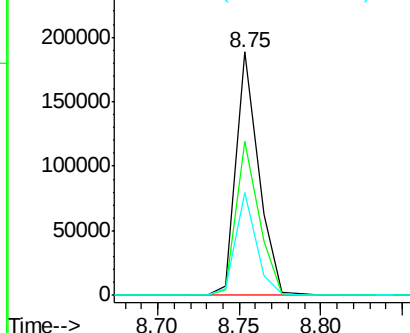
#29
 2,4-Dichlorophenol
 Concen: 41.62 ng
 RT: 8.75 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.6	83.6
98	42.4	16.5	56.5

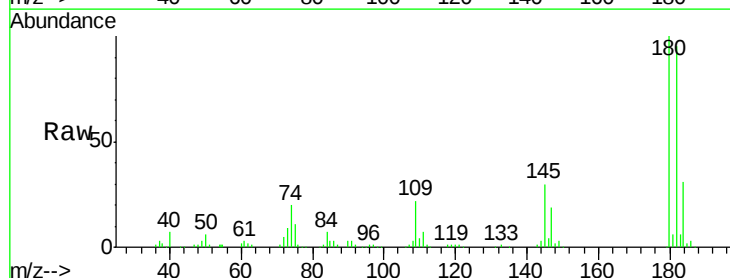


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

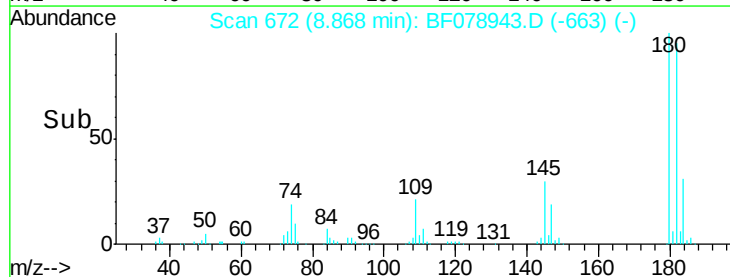
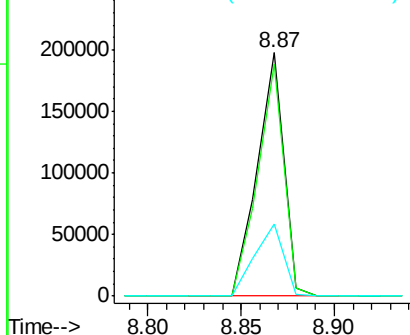


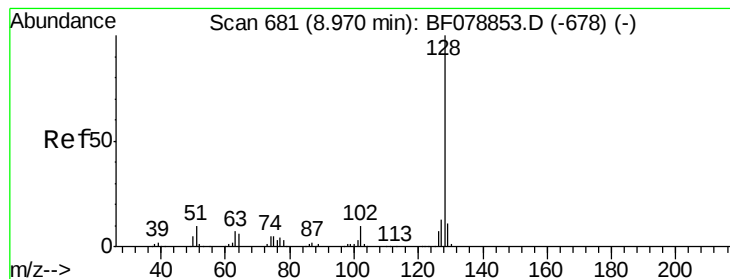
#30
 1,2,4-Trichlorobenzene
 Concen: 40.70 ng
 RT: 8.87 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.9	118.3
145	29.8	24.2	36.4



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





#31

Naphthalene

Concen: 40.45 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

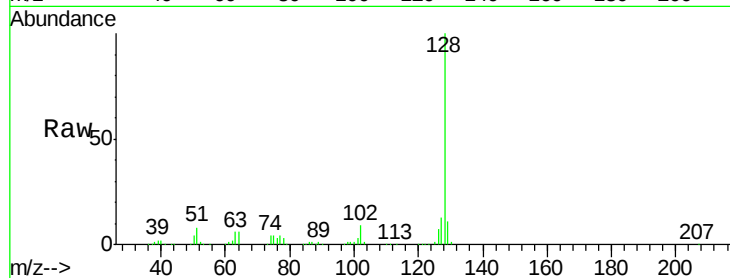
Tot Ion:128 Resp: 658617

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

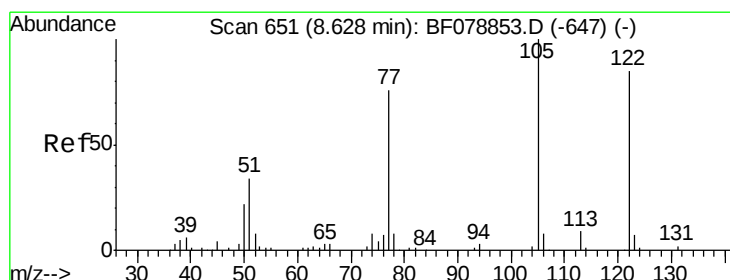
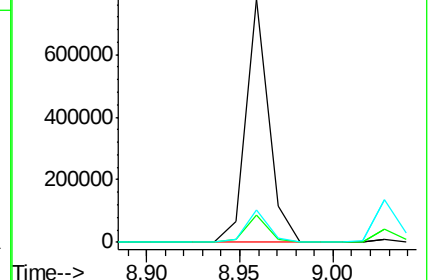
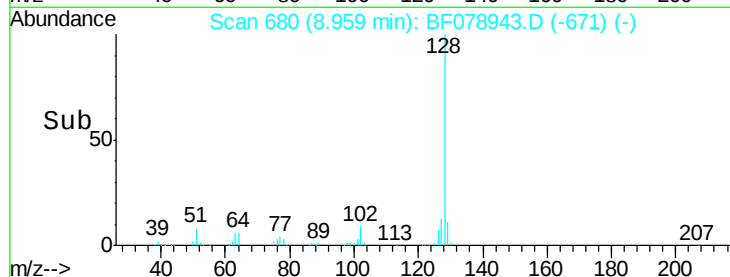
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.87 ng

RT: 8.58 min Scan# 647

Delta R.T. -0.03 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

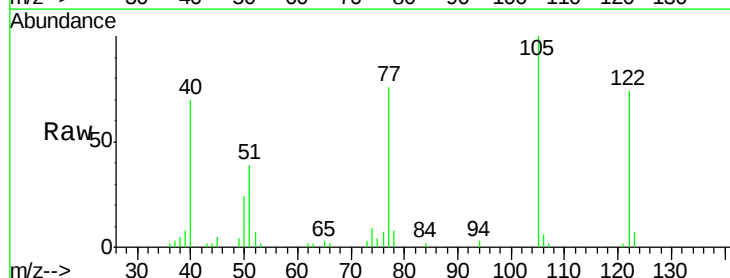
Tgt Ion:122 Resp: 30145

Ion Ratio Lower Upper

122 100

105 134.8 107.1 147.1

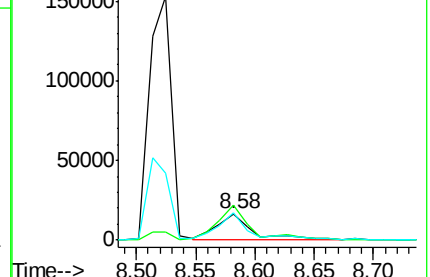
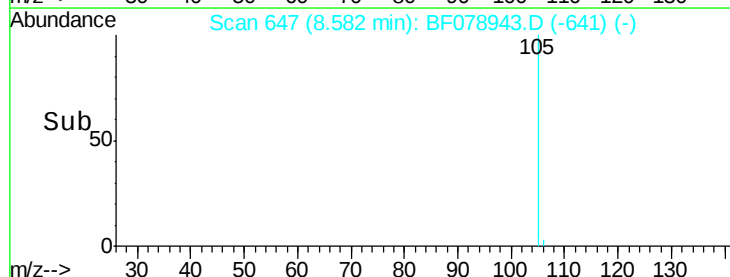
77 103.0 73.9 113.9



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

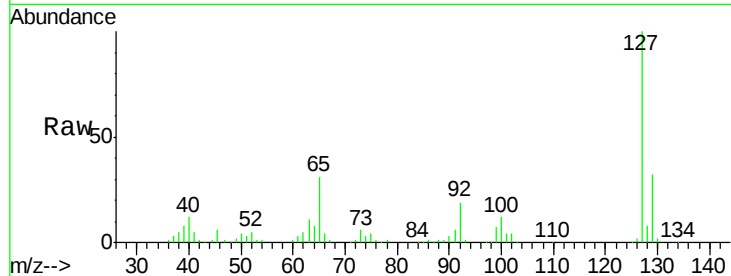




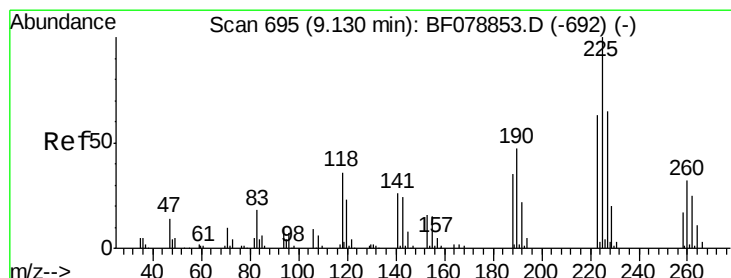
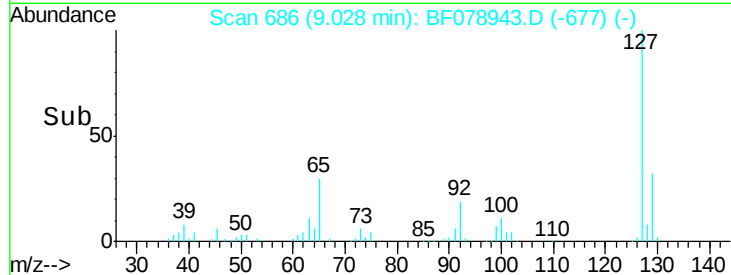
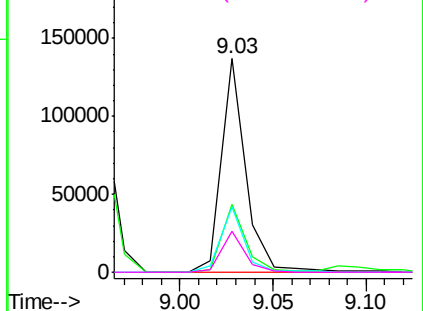
#33
 4-Chloroaniline
 Concen: 18.22 ng
 RT: 9.03 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion:	127	Resp:	125501
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.8
65	30.7	25.8	38.6
92	18.9	15.5	23.3

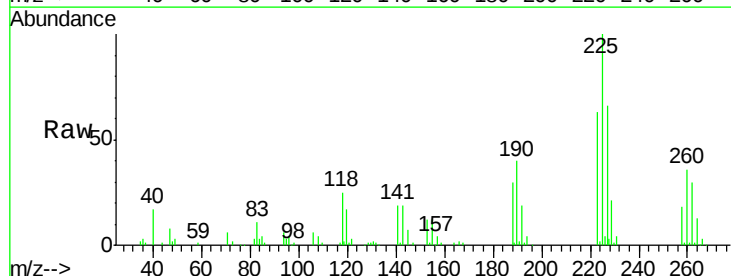


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

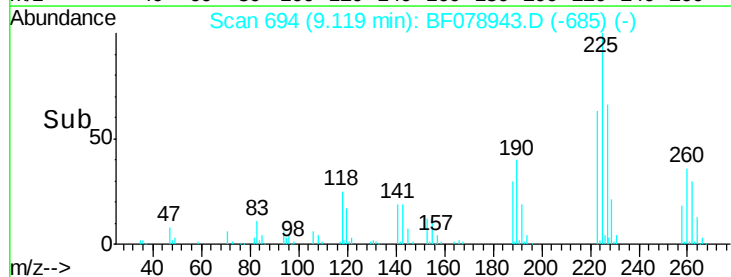
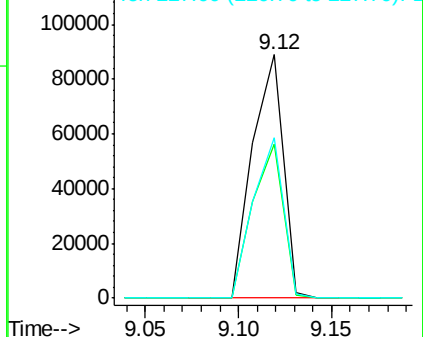


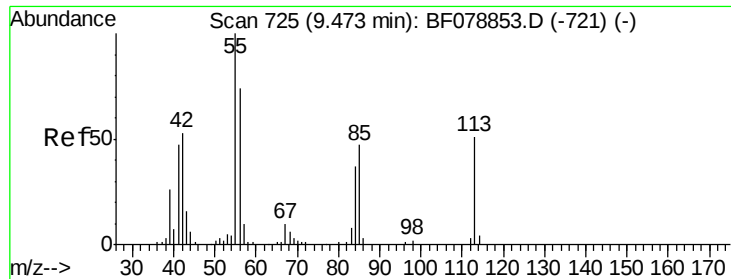
#34
 Hexachlorobutadiene
 Concen: 36.97 ng
 RT: 9.12 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:	225	Resp:	101509
Ion	Ratio	Lower	Upper
225	100		
223	63.3	48.2	72.4
227	65.6	51.4	77.0



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

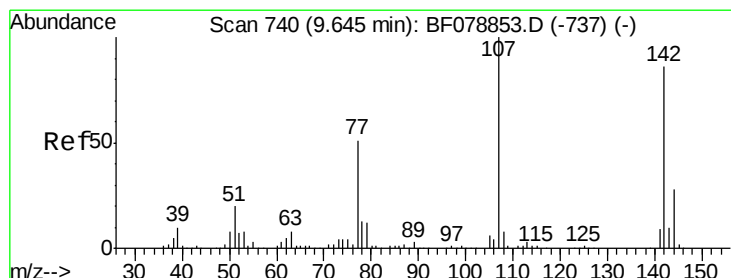
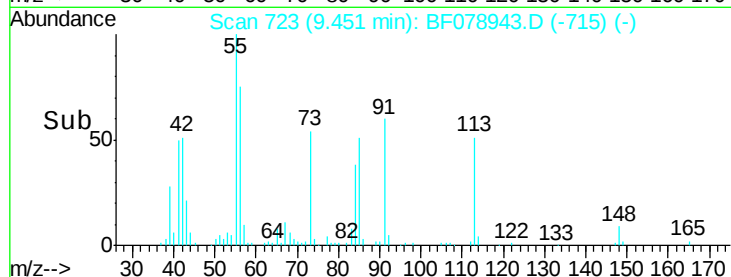
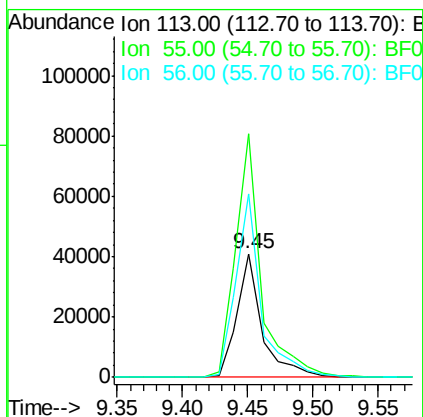
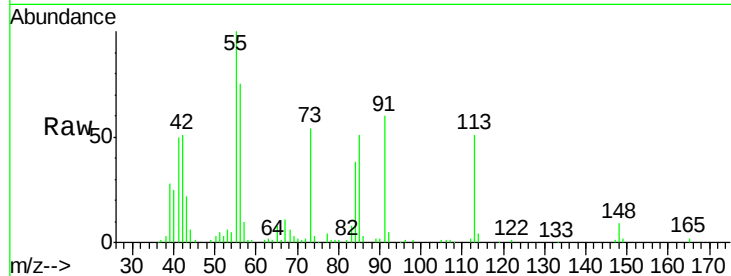




#35
 Caprolactam
 Concen: 38.98 ng
 RT: 9.45 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

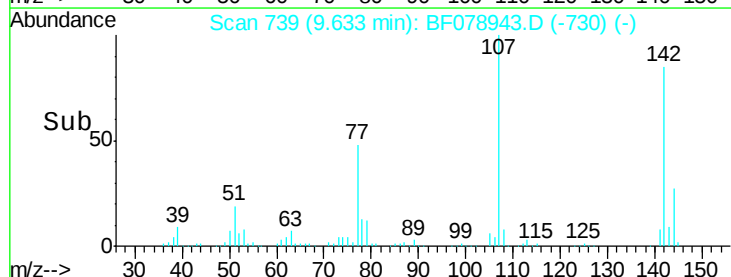
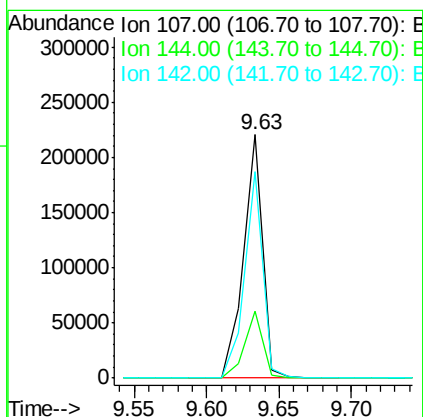
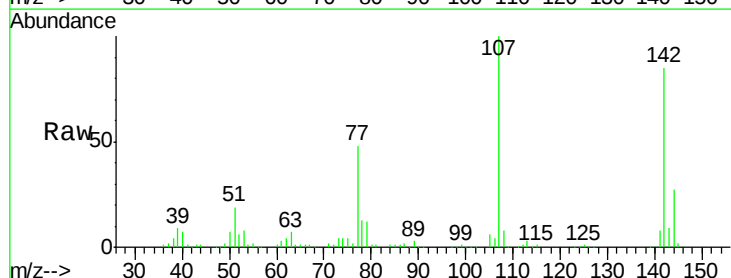
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

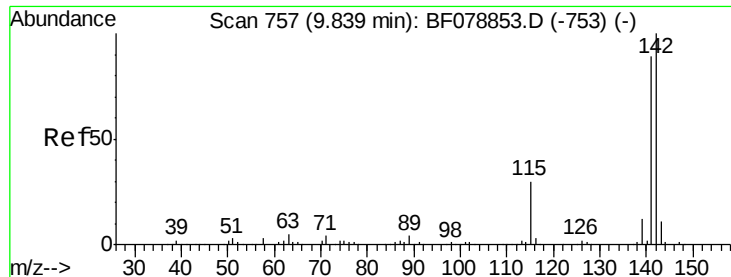
Tot Ion:113 Resp: 54704
 Ion Ratio Lower Upper
 113 100
 55 197.0 169.7 209.7
 56 148.4 122.5 162.5



#36
 4-Chloro-3-methylphenol
 Concen: 44.32 ng
 RT: 9.63 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:107 Resp: 202054
 Ion Ratio Lower Upper
 107 100
 144 27.4 19.8 29.6
 142 85.0 60.6 91.0

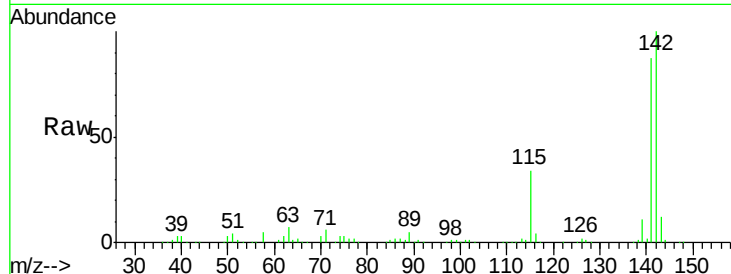




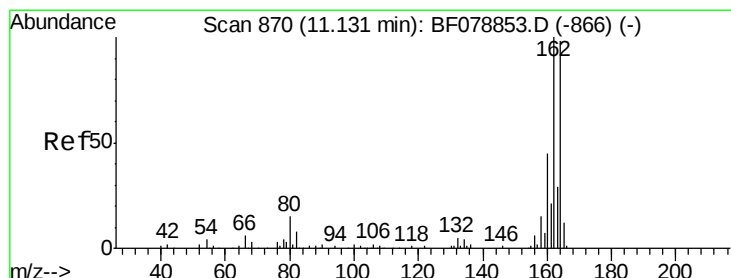
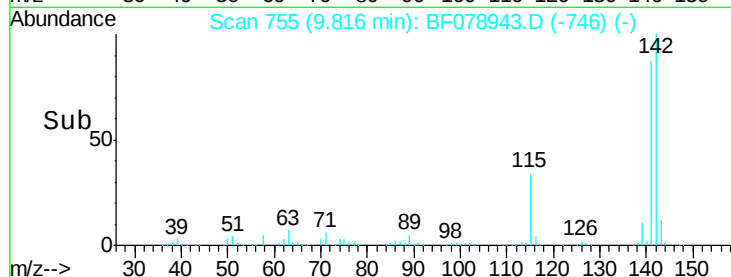
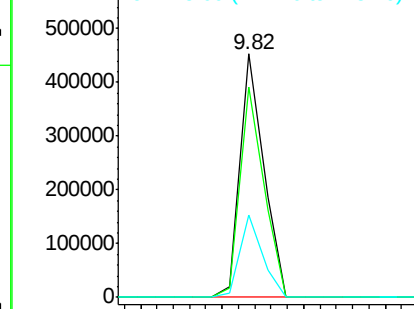
#37
2-Methylnaphthalene
Concen: 40.17 ng
RT: 9.82 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion:142 Resp: 453168
Ion Ratio Lower Upper
142 100
141 86.6 70.9 106.3
115 33.9 28.5 42.7

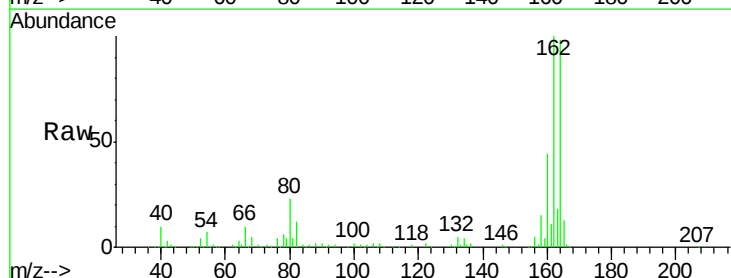


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

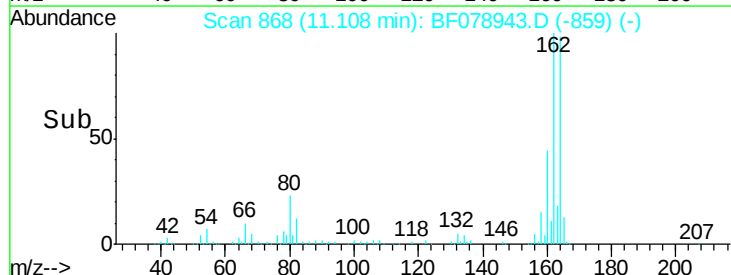
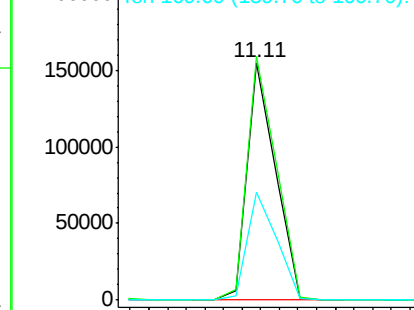


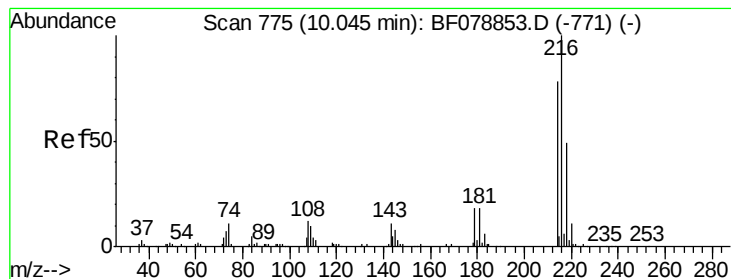
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:164 Resp: 162974
Ion Ratio Lower Upper
164 100
162 102.4 82.7 124.1
160 45.4 35.8 53.8



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: 39.07 ng

RT: 10.02 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

Tot Ion:216 Resp: 179345

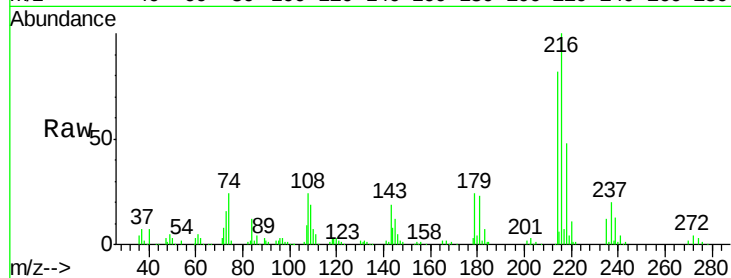
Ion Ratio Lower Upper

216 100

214 80.2 0.0 0.0#

179 22.3 0.0 0.0#

108 24.2 0.0 0.0#

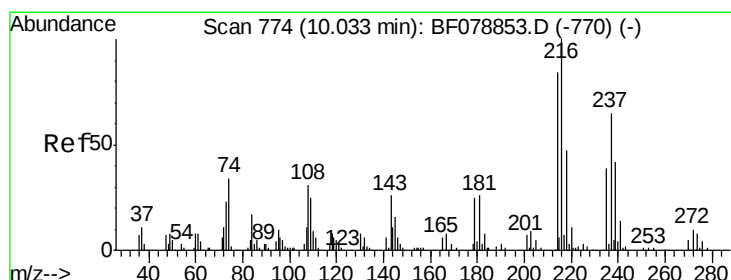
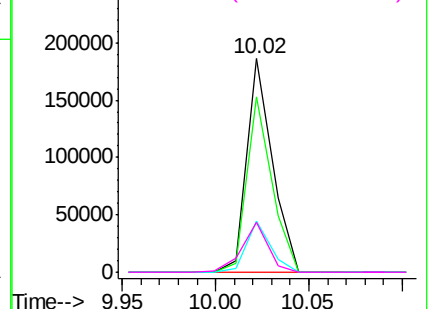
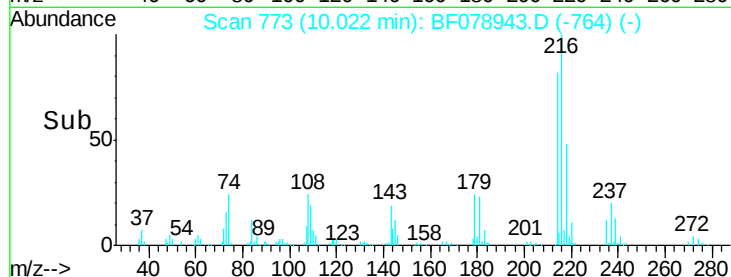


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 68.03 ng

RT: 10.01 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

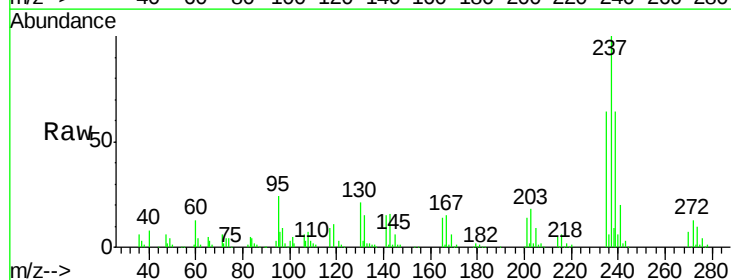
Tgt Ion:237 Resp: 157018

Ion Ratio Lower Upper

237 100

235 64.1 44.7 84.7

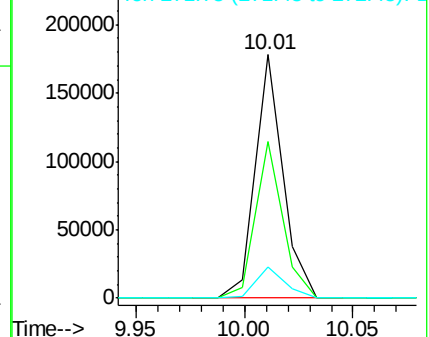
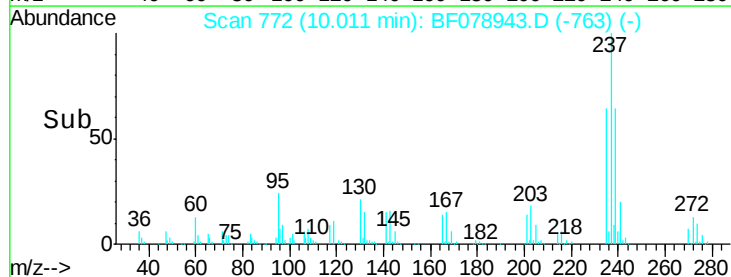
272 13.0 0.0 32.6

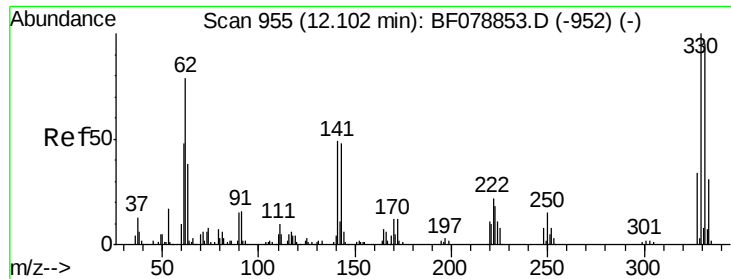


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

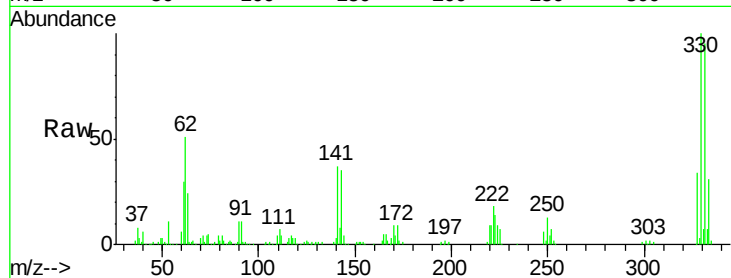




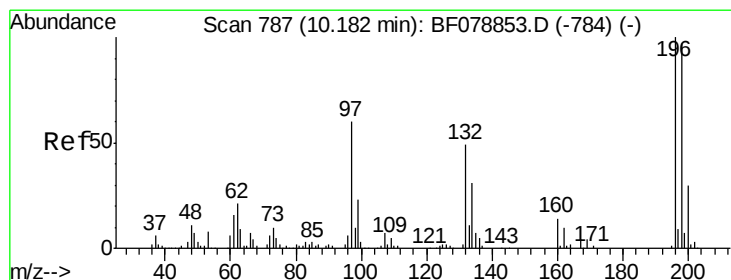
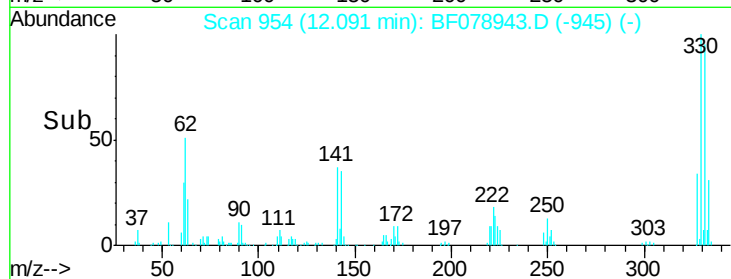
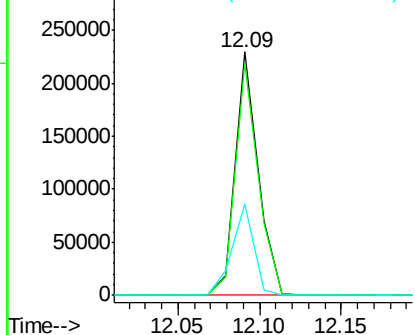
#41
 2,4,6-Tribromophenol
 Concen: 125.10 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion:330 Resp: 220566
 Ion Ratio Lower Upper
 330 100
 332 95.7 0.0 0.0#
 141 35.7 0.0 0.0#

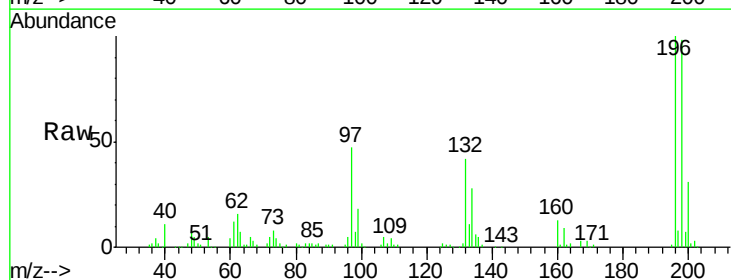


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

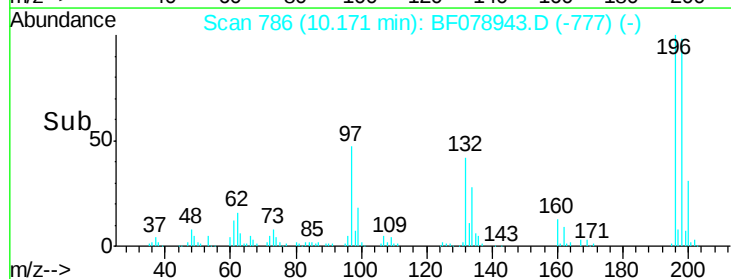
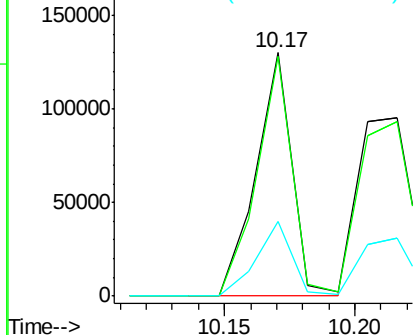


#42
 2,4,6-Trichlorophenol
 Concen: 39.87 ng
 RT: 10.17 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:196 Resp: 125816
 Ion Ratio Lower Upper
 196 100
 198 98.4 80.5 120.7
 200 30.9 24.9 37.3



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

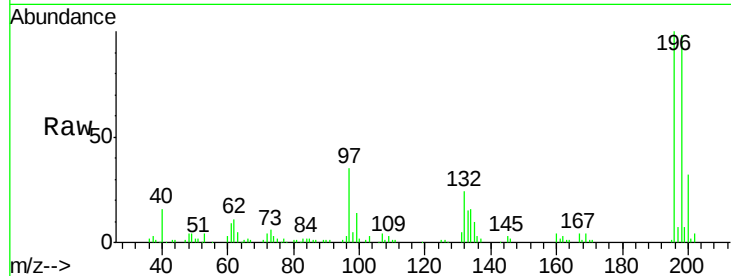




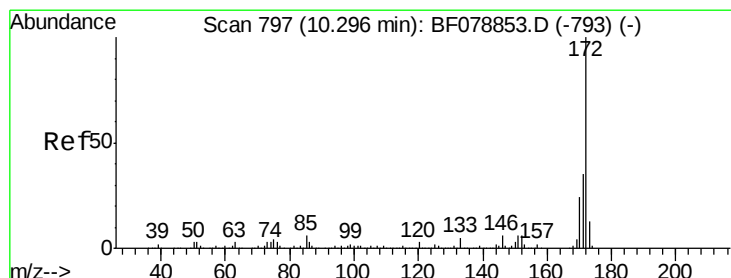
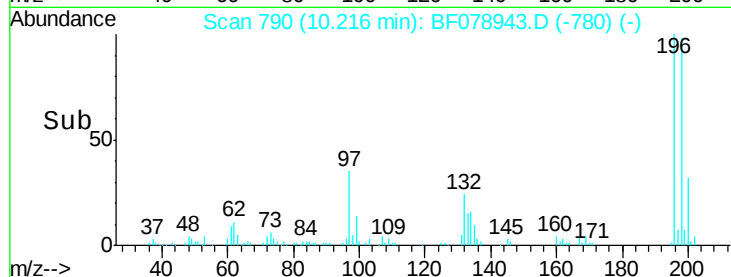
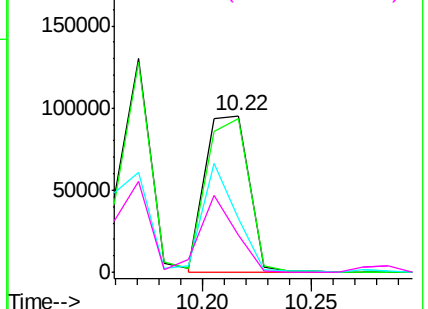
#43
 2,4,5-Trichlorophenol
 Concen: 41.32 ng
 RT: 10.22 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.1	79.8	119.6
97	34.6	46.0	69.0#
132	23.5	26.6	40.0#

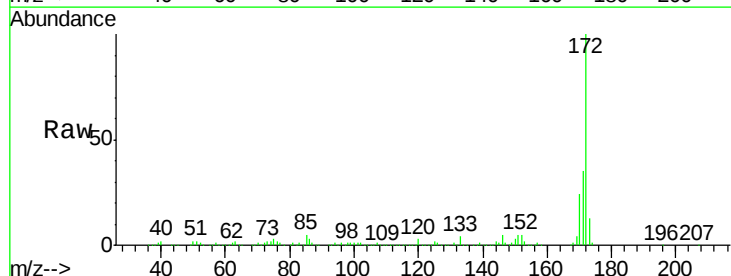


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

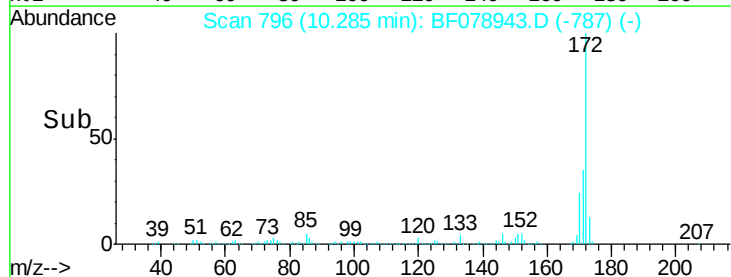
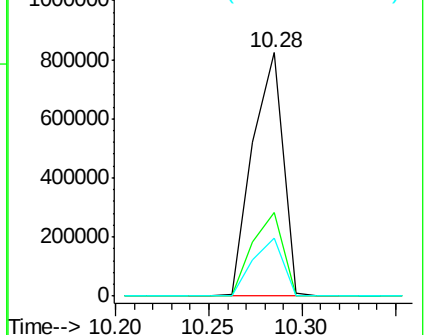


#44
 2-Fluorobiphenyl
 Concen: 79.83 ng
 RT: 10.28 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	23.8	19.4	29.0



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

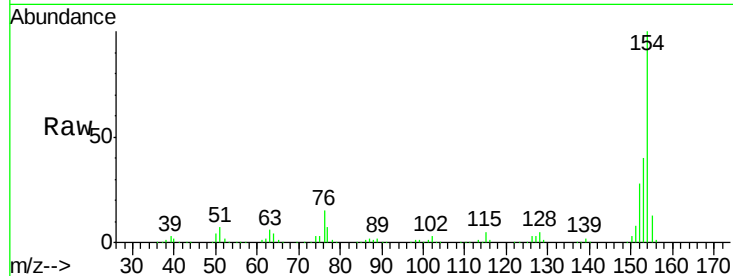




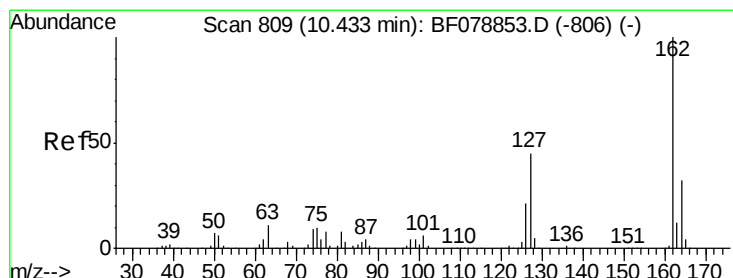
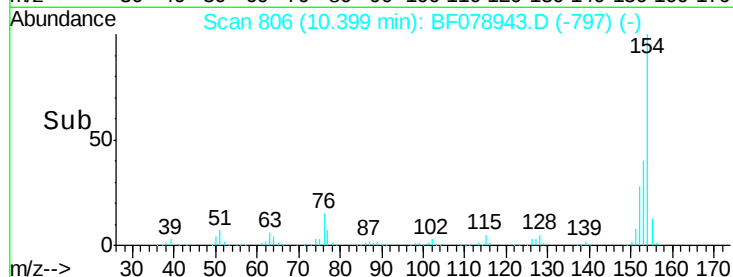
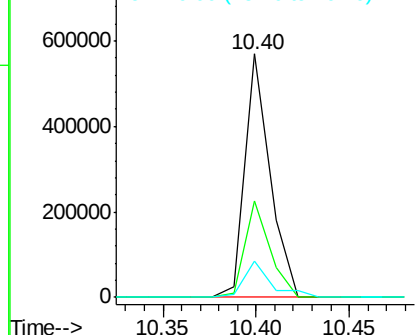
#45
1,1'-Biphenyl
Concen: 41.13 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion:154 Resp: 532838
Ion Ratio Lower Upper
154 100
153 39.7 19.9 59.9
76 14.7 0.0 35.0

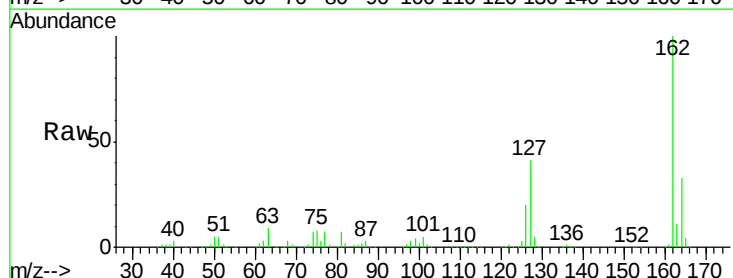


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

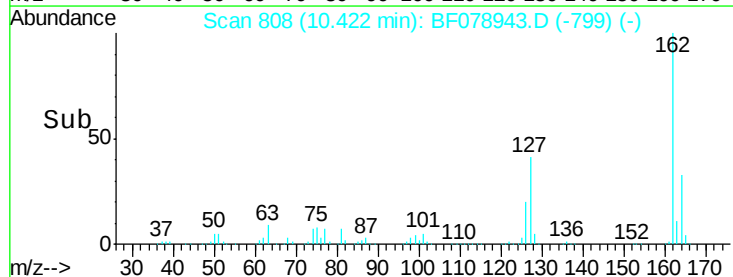
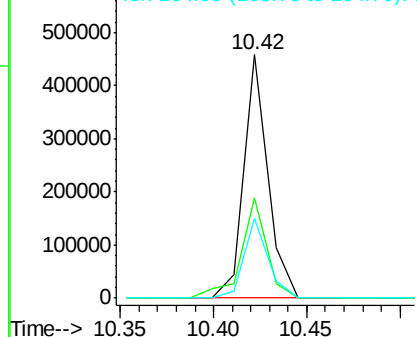


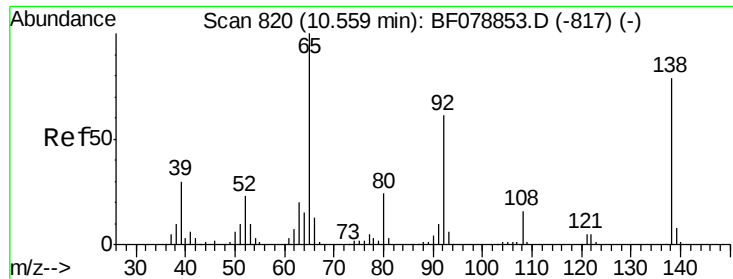
#46
2-Chloronaphthalene
Concen: 40.46 ng
RT: 10.42 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:162 Resp: 408869
Ion Ratio Lower Upper
162 100
127 41.3 33.9 50.9
164 32.7 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

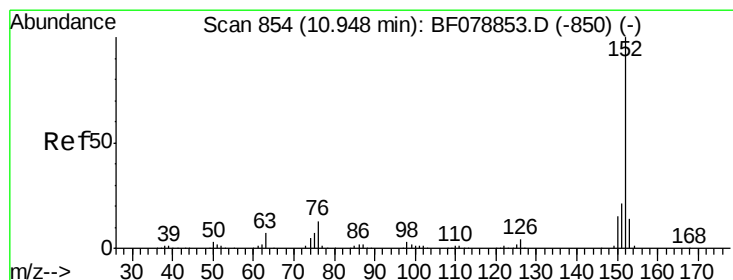
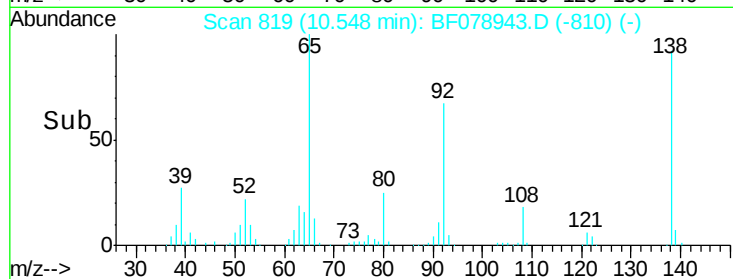
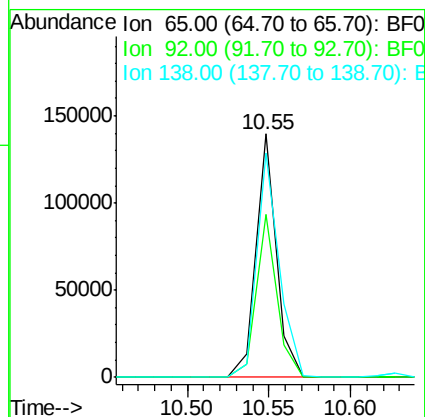
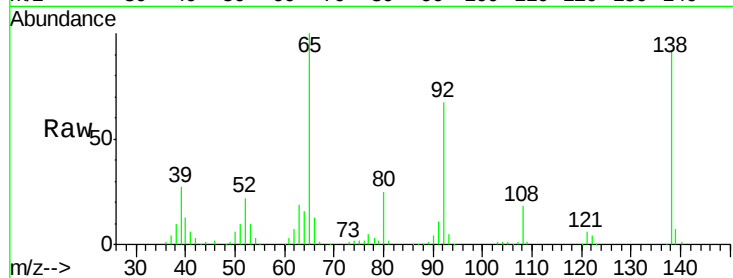




#47
2-Nitroaniline
Concen: 41.61 ng
RT: 10.55 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

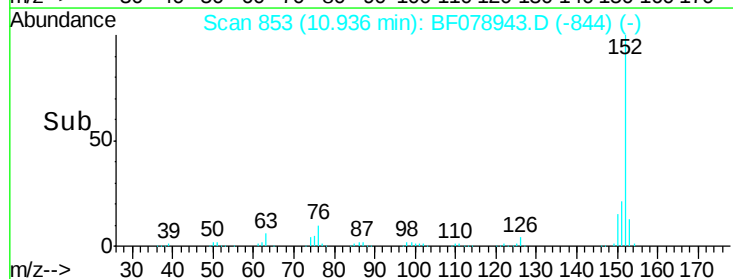
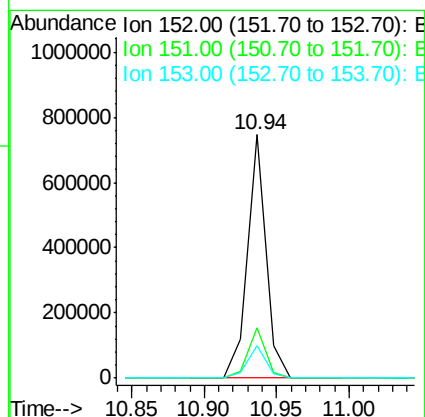
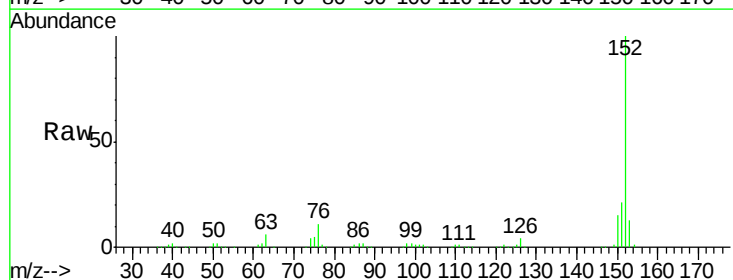
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

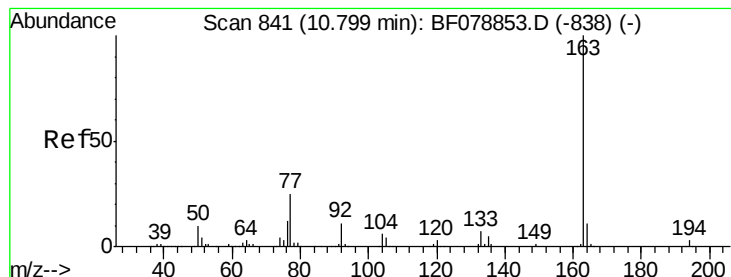
Tot Ion: 65 Resp: 121834
Ion Ratio Lower Upper
65 100
92 66.7 54.0 81.0
138 91.9 75.0 112.6



#48
Acenaphthylene
Concen: 40.01 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion: 152 Resp: 663848
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.4 10.9 16.3





#49

Dimethylphthalate

Concen: 45.61 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

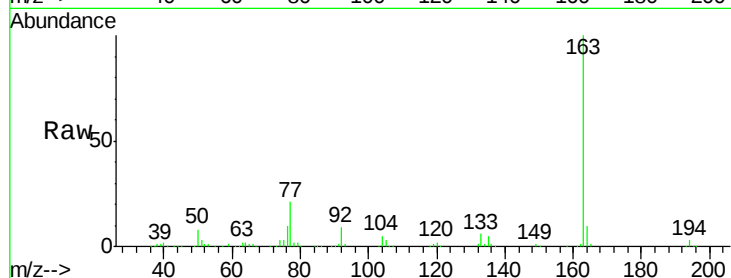
Tot Ion:163 Resp: 545483

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

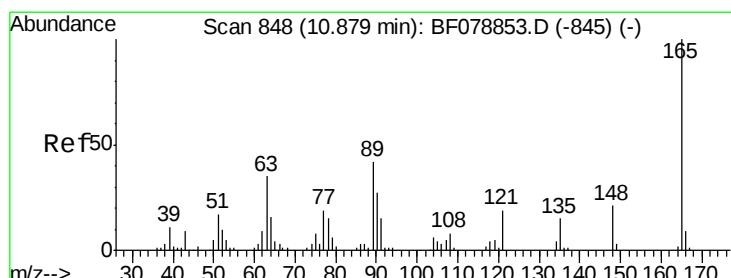
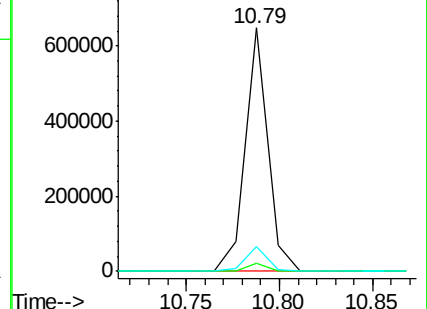
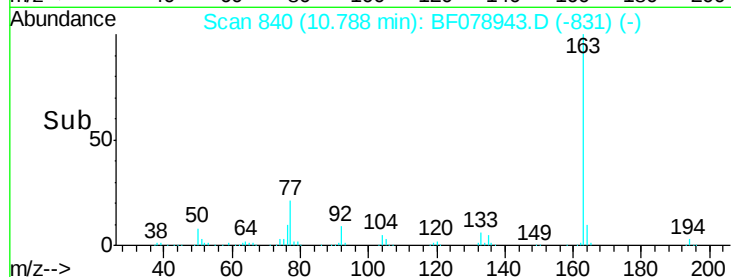
164 10.4 8.1 12.1



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: 40.26 ng

RT: 10.86 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

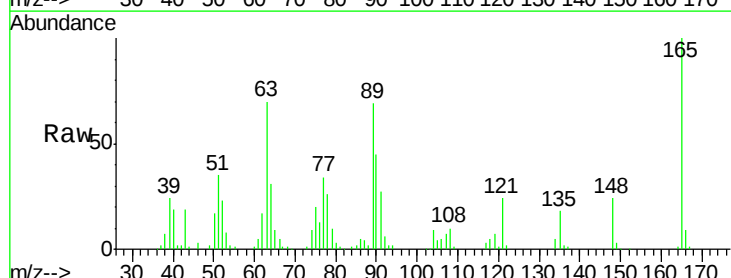
Tgt Ion:165 Resp: 95044

Ion Ratio Lower Upper

165 100

63 69.5 54.4 81.6

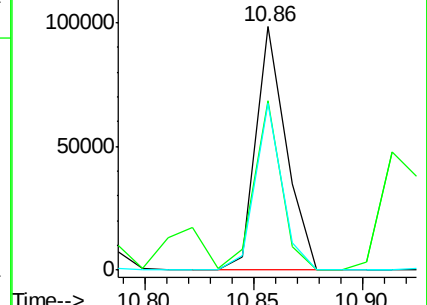
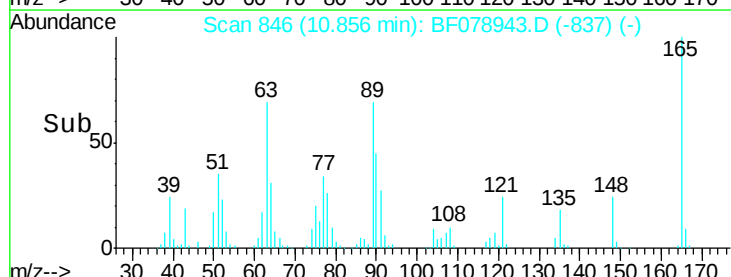
89 68.6 55.7 83.5

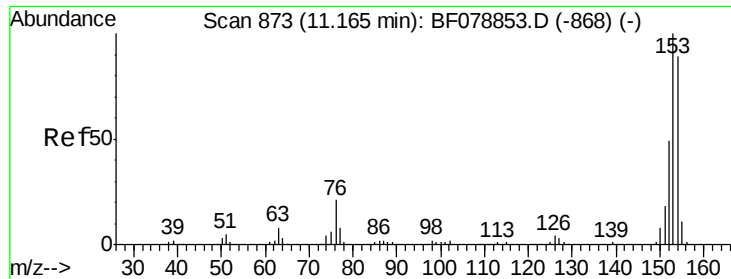


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 39.99 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

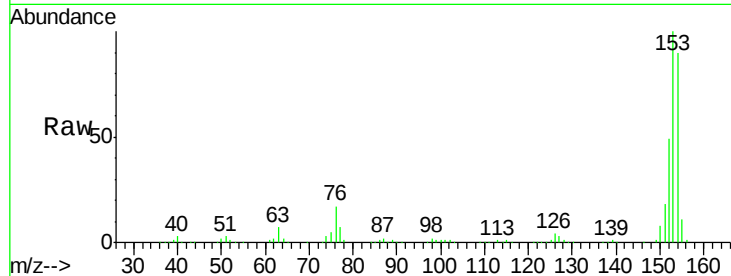
Tot Ion:154 Resp: 395665

Ion Ratio Lower Upper

154 100

153 111.1 91.5 137.3

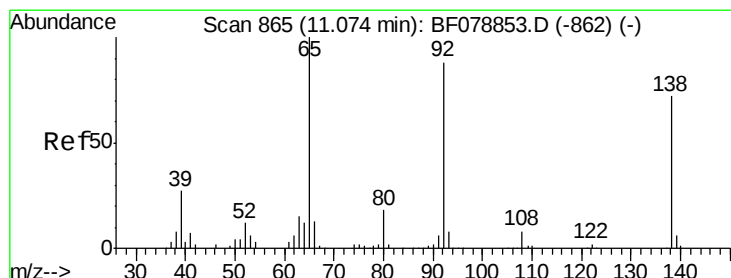
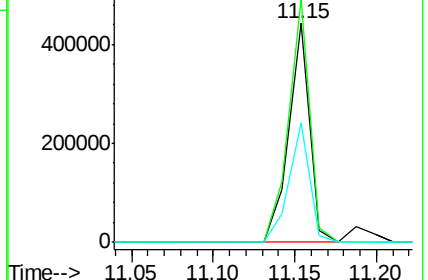
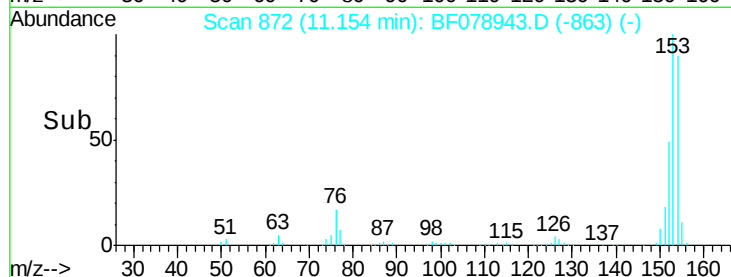
152 54.4 44.2 66.4



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: 29.49 ng

RT: 11.06 min Scan# 864

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

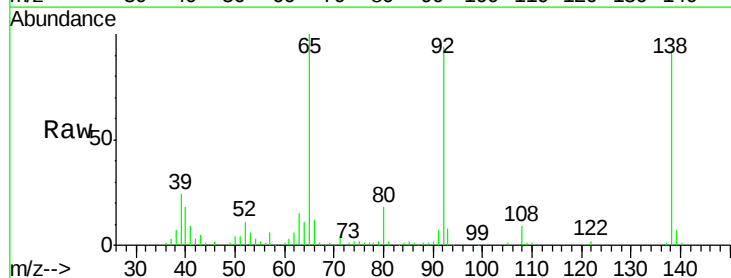
Tgt Ion:138 Resp: 86956

Ion Ratio Lower Upper

138 100

108 9.3 10.6 16.0#

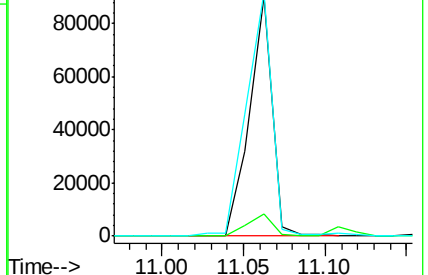
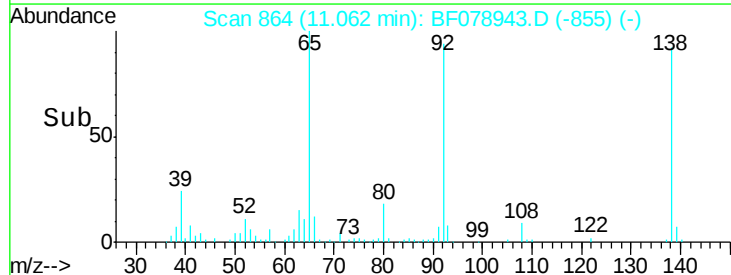
92 101.5 81.8 122.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

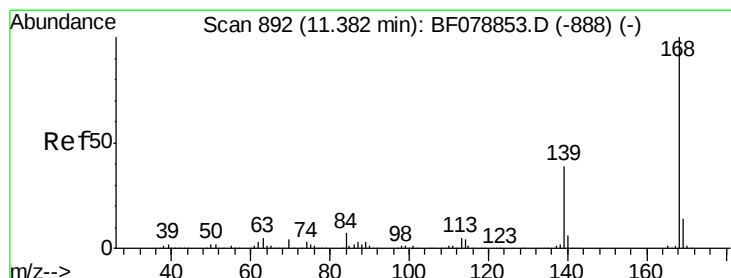
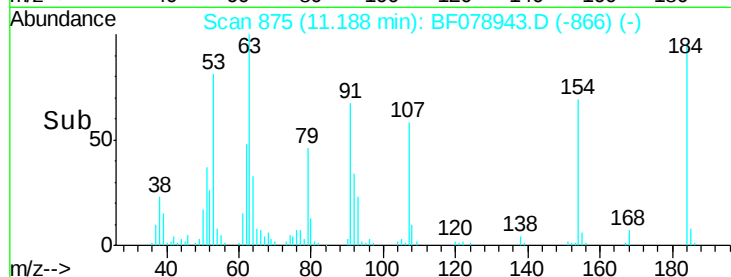
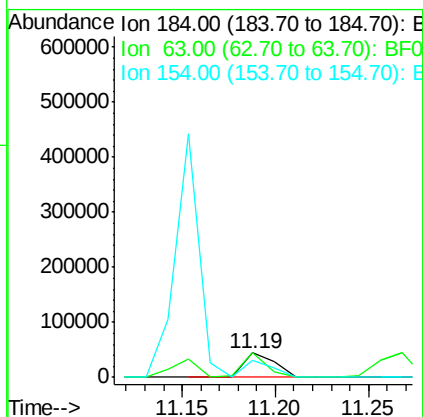
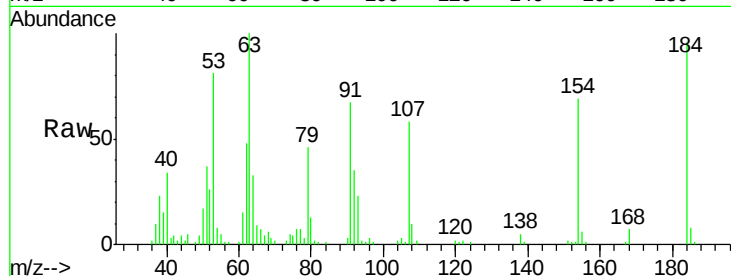




#53
2,4-Dinitrophenol
Concen: 61.44 ng
RT: 11.19 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

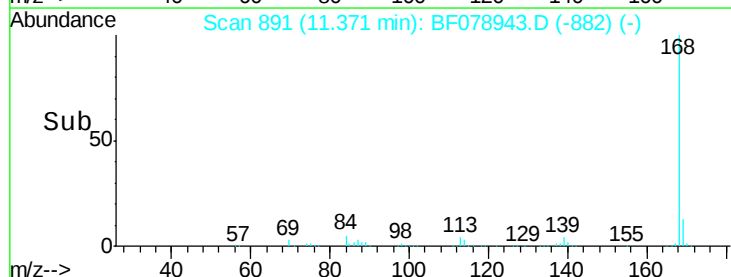
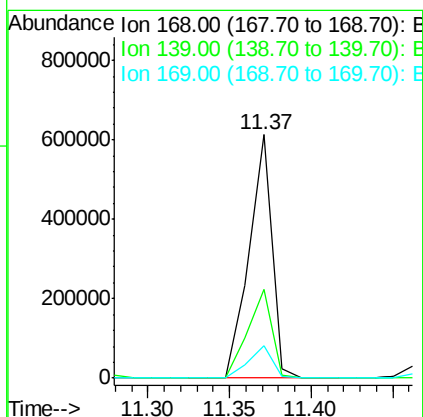
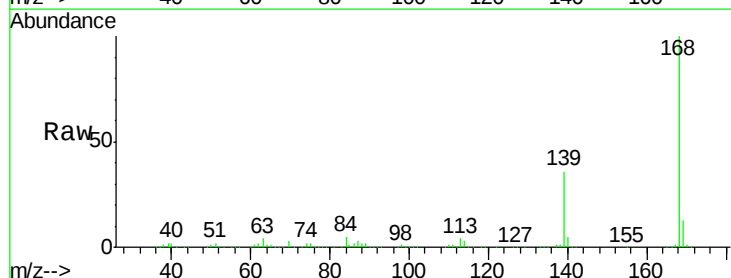
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

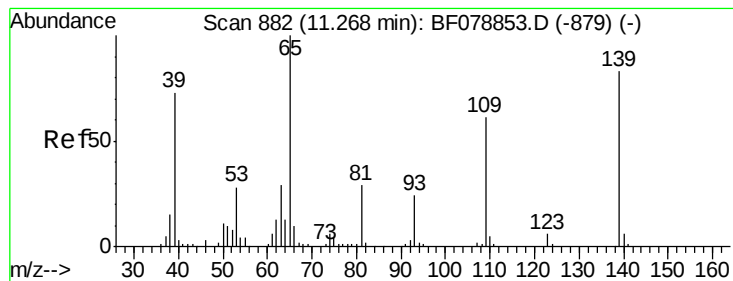
Tot Ion:184 Resp: 51593
Ion Ratio Lower Upper
184 100
63 104.1 63.3 94.9#
154 71.5 53.8 80.6



#54
Dibenzofuran
Concen: 41.85 ng
RT: 11.37 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:168 Resp: 598169
Ion Ratio Lower Upper
168 100
139 36.3 31.0 46.4
169 13.4 10.6 16.0





#55

4-Nitrophenol

Concen: 87.96 ng

RT: 11.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

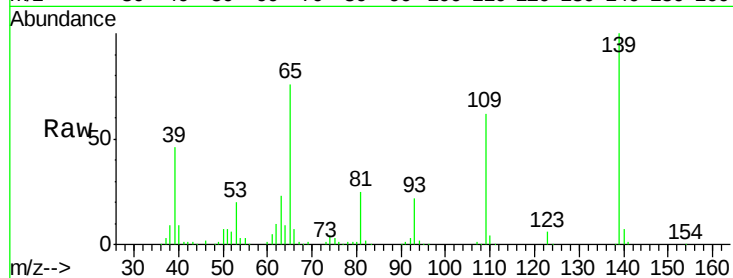
Tot Ion:139 Resp: 205274

Ion Ratio Lower Upper

139 100

109 62.3 47.6 87.6

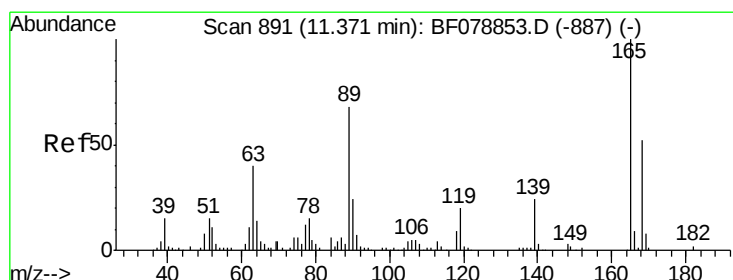
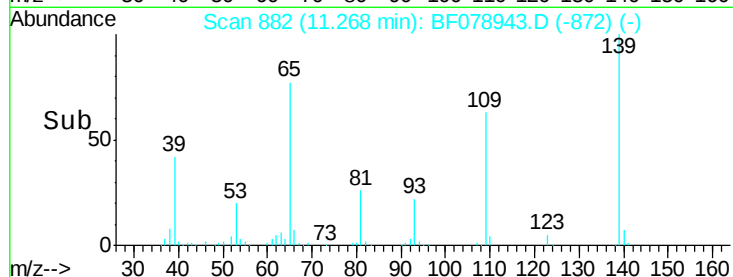
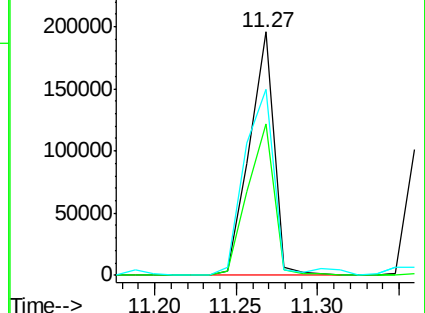
65 76.5 54.3 94.3



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: 43.06 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.01 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Tgt Ion:165 Resp: 134389

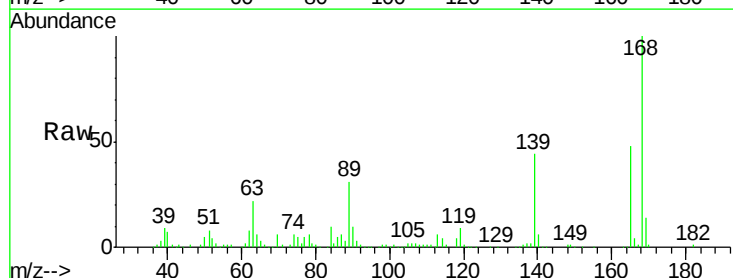
Ion Ratio Lower Upper

165 100

63 45.9 51.2 76.8#

89 63.7 82.7 124.1#

182 2.0 1.4 2.2

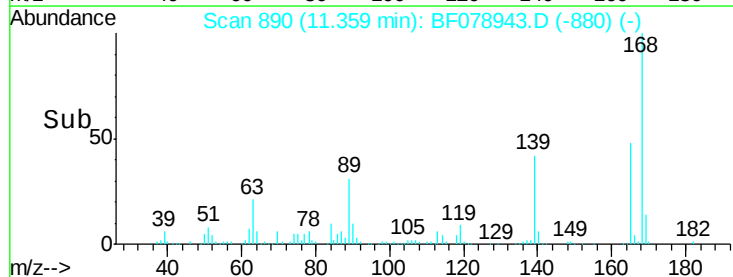
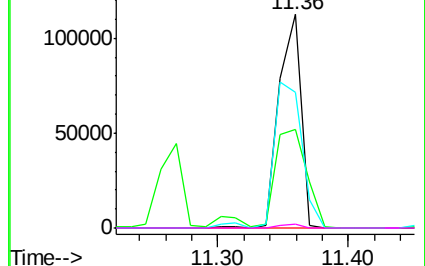


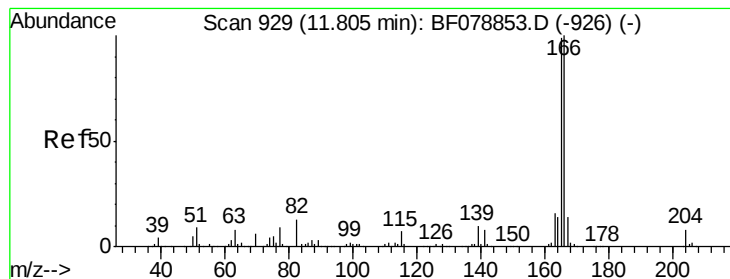
Abundance Ion 165.00 (164.70 to 165.70): E

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: 41.19 ng

RT: 11.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

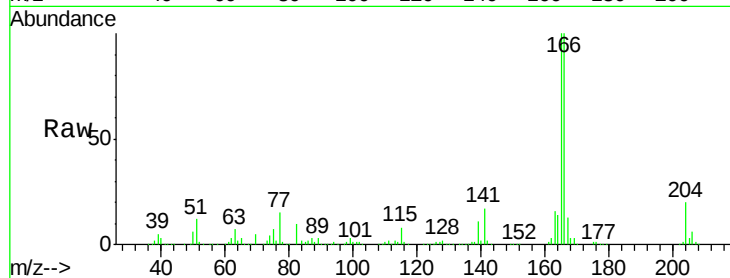
Tot Ion:166 Resp: 483250

Ion Ratio Lower Upper

166 100

165 99.5 78.5 117.7

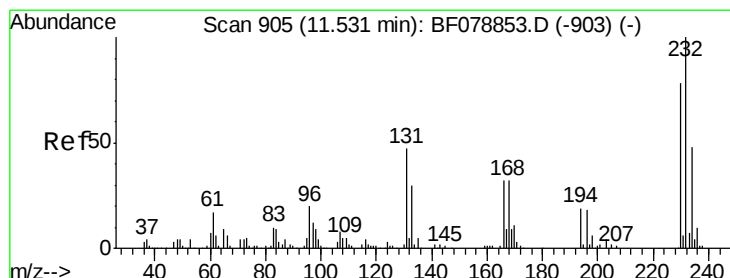
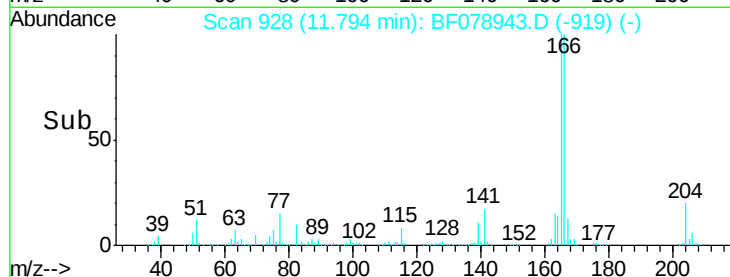
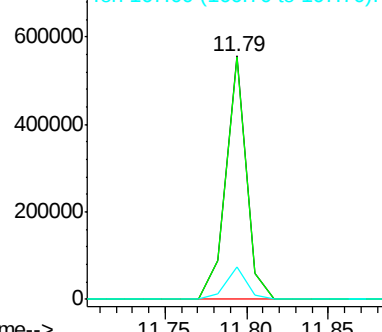
167 13.4 11.0 16.6



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: 40.95 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Tgt Ion:232 Resp: 106760

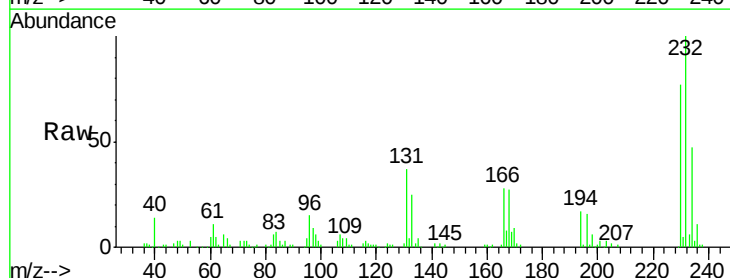
Ion Ratio Lower Upper

232 100

131 50.5 0.0 0.0#

130 2.3 0.0 0.0#

166 32.2 0.0 0.0#

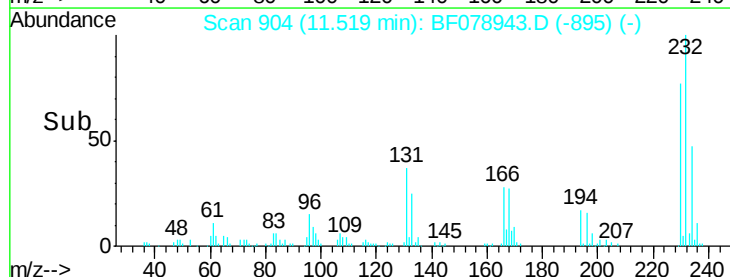
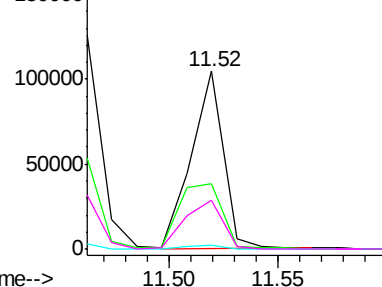


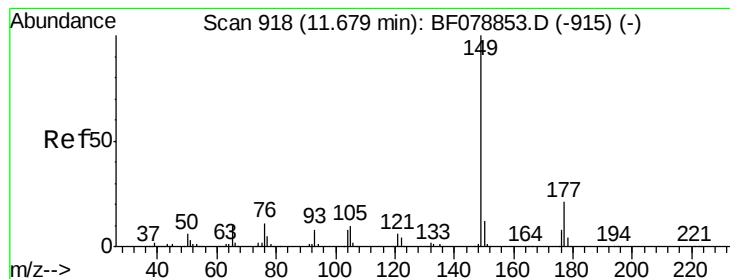
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 39.78 ng

RT: 11.67 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

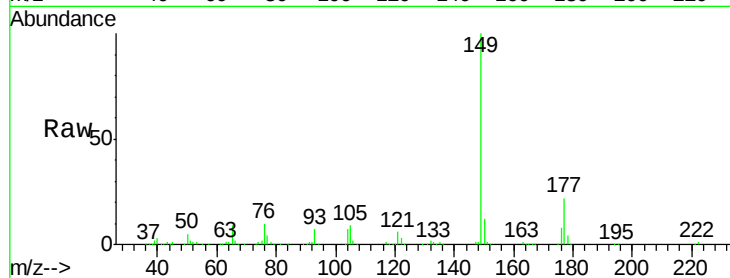
Tot Ion:149 Resp: 471406

Ion Ratio Lower Upper

149 100

177 21.7 17.5 26.3

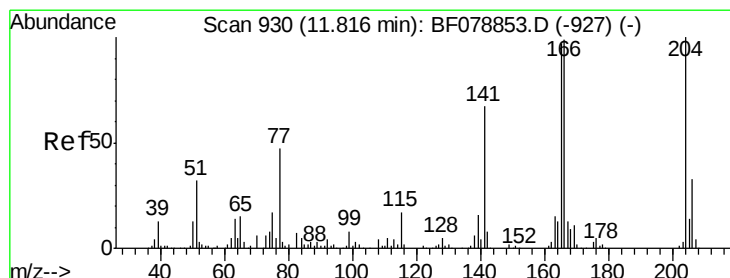
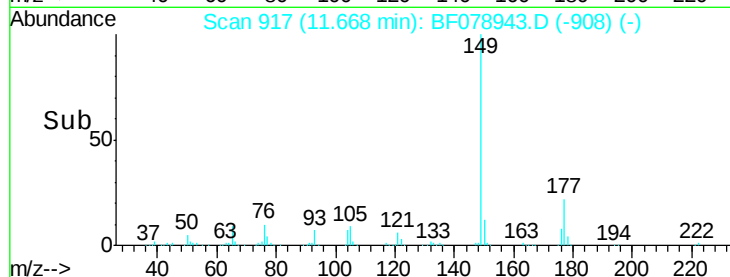
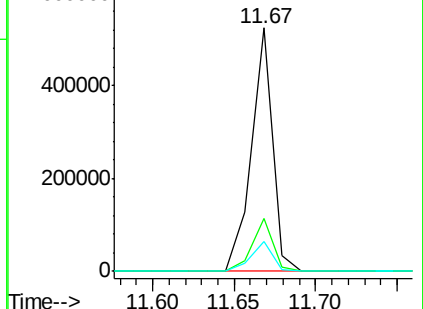
150 12.3 9.6 14.4



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: 39.54 ng

RT: 11.81 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

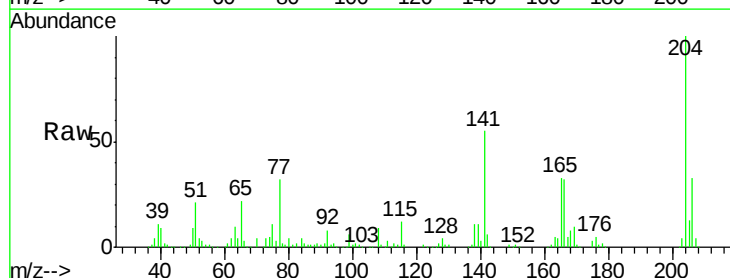
Tgt Ion:204 Resp: 205773

Ion Ratio Lower Upper

204 100

206 33.2 26.9 40.3

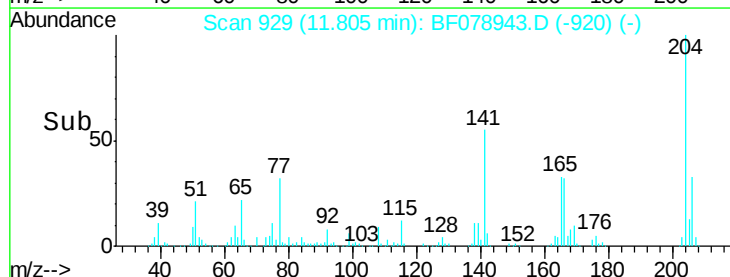
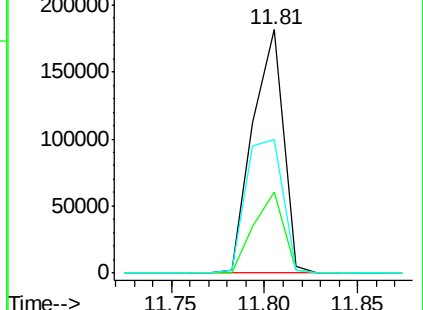
141 54.8 48.3 72.5



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

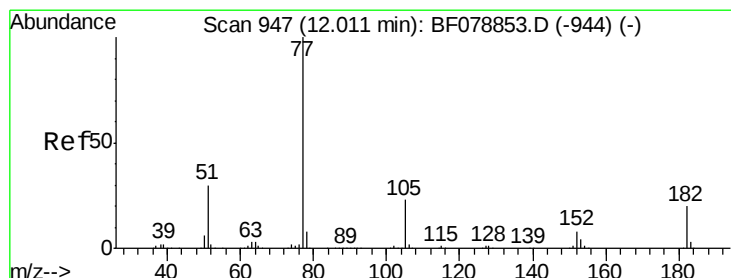
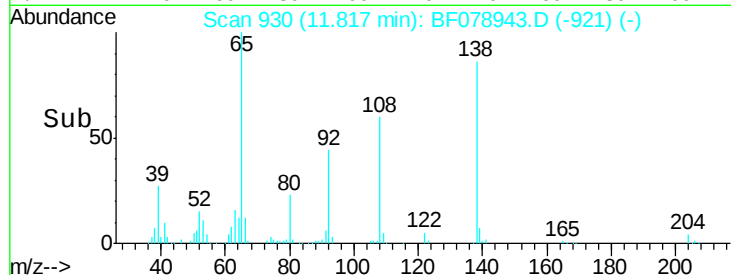
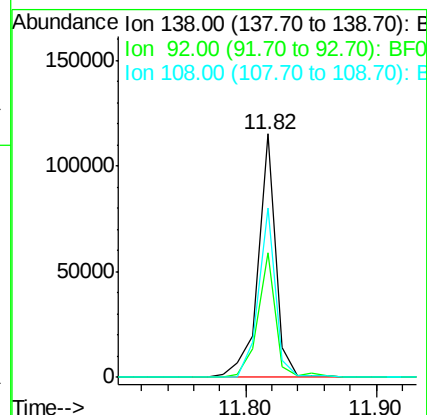
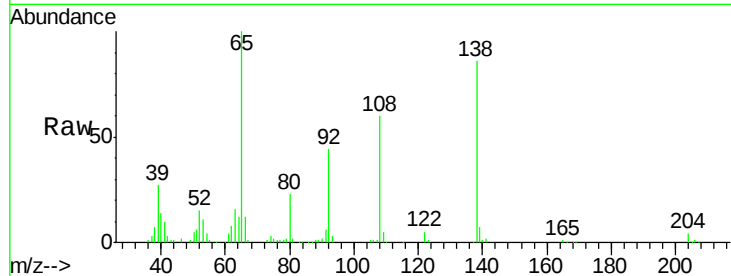




#61
4-Nitroaniline
Concen: 36.99 ng
RT: 11.82 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

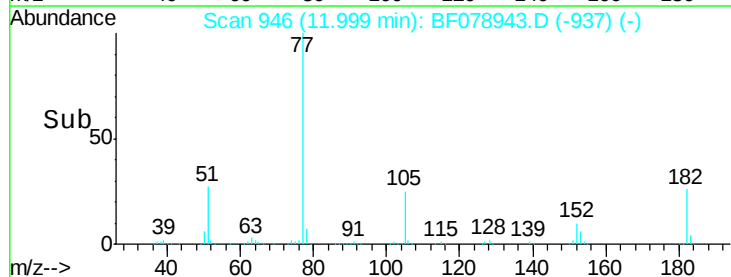
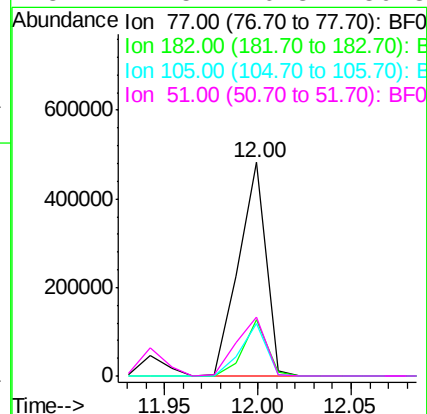
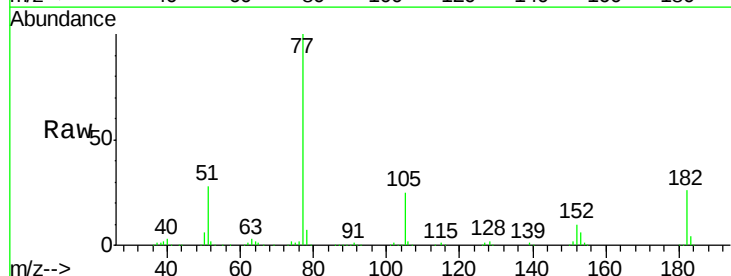
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

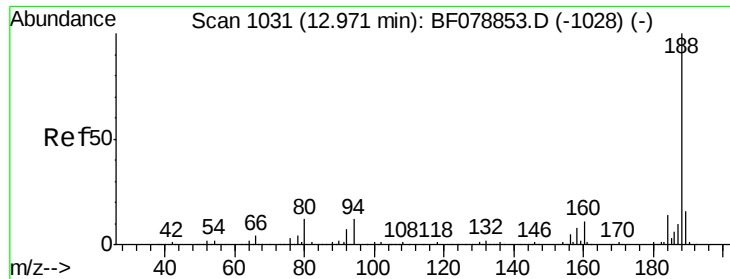
Tot Ion:138 Resp: 109114
Ion Ratio Lower Upper
138 100
92 51.3 28.0 68.0
108 69.3 56.3 96.3



#62
Azobenzene
Concen: 42.54 ng
RT: 12.00 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion: 77 Resp: 496744
Ion Ratio Lower Upper
77 100
182 26.3 3.8 43.8
105 24.8 3.9 43.9
51 27.5 10.8 50.8

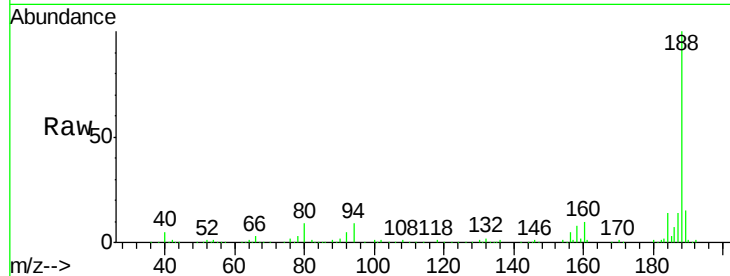




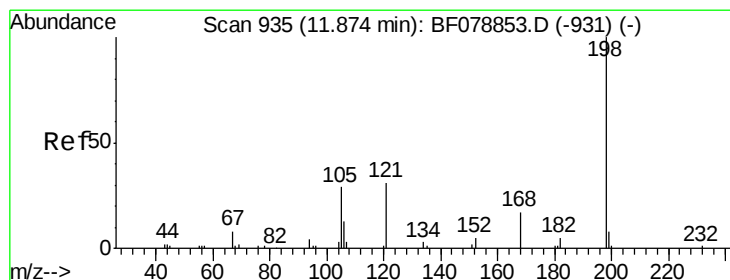
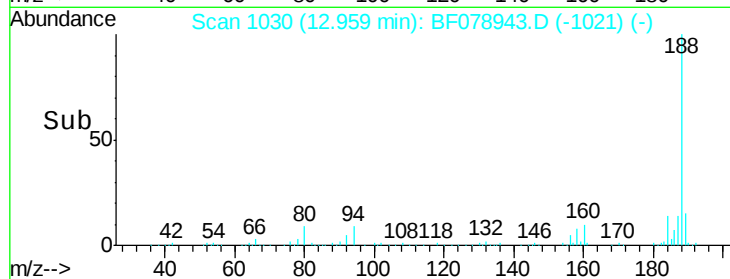
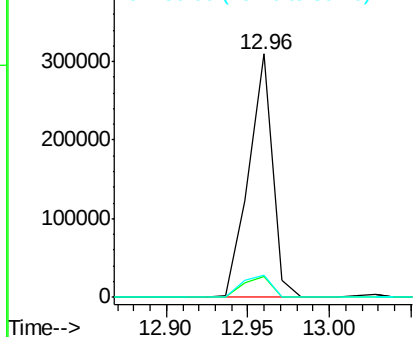
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.96 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.1	8.9	13.3

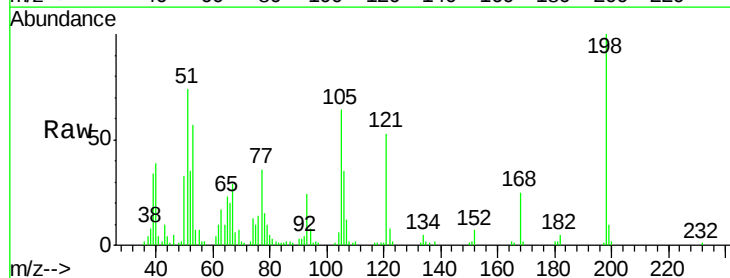


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

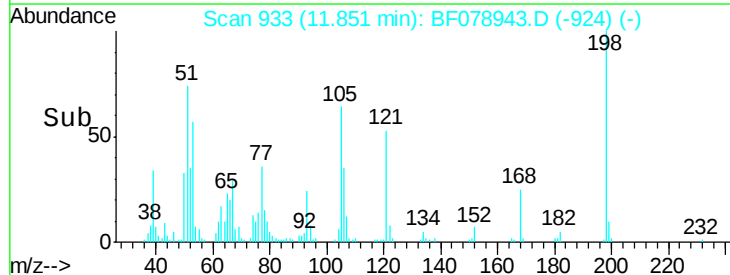
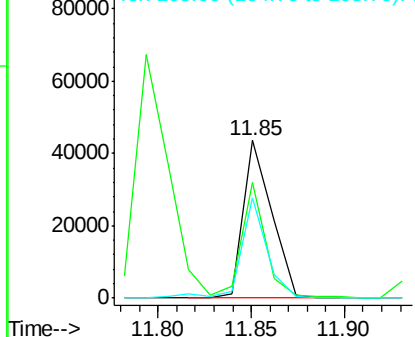


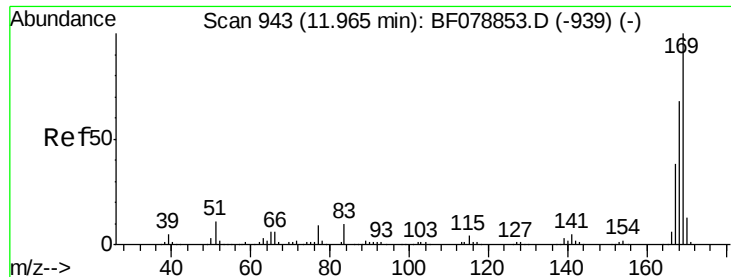
#64
4,6-Dinitro-2-methylphenol
Concen: 38.48 ng
RT: 11.85 min Scan# 933
Delta R.T. -0.00 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion	Ratio	Lower	Upper
198	100		
51	73.6	47.3	87.3
105	63.8	38.8	78.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

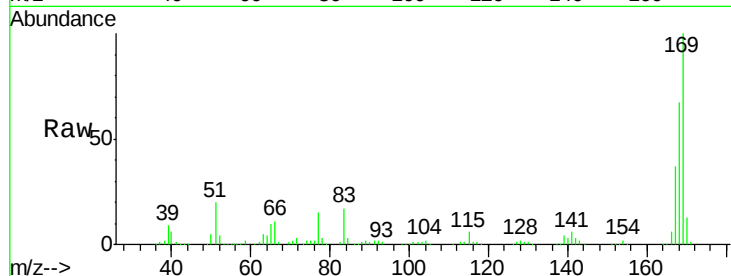




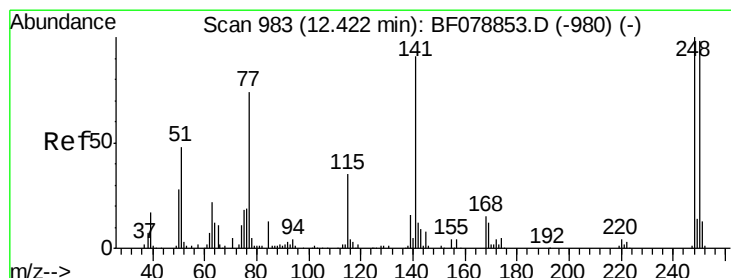
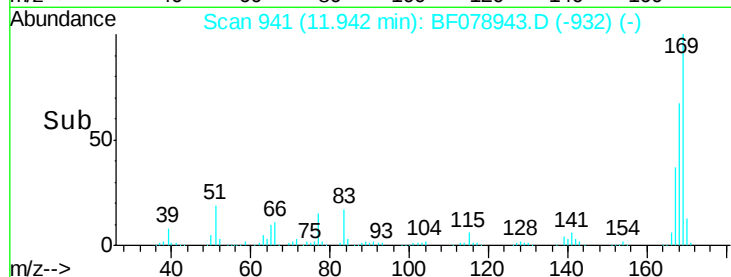
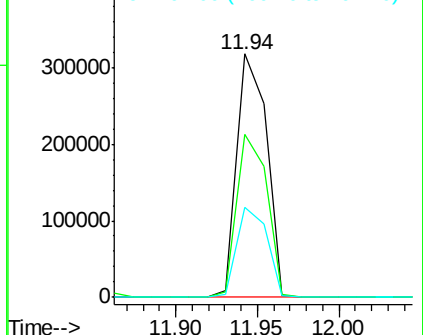
#65
 n-Nitrosodiphenylamine
 Concen: 38.44 ng
 RT: 11.94 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion:169 Resp: 400313
 Ion Ratio Lower Upper
 169 100
 168 66.9 54.6 82.0
 167 36.8 30.6 45.8

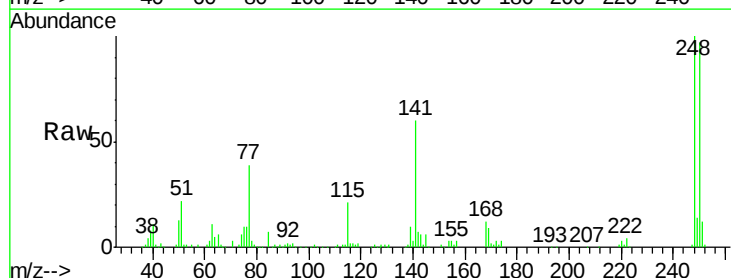


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

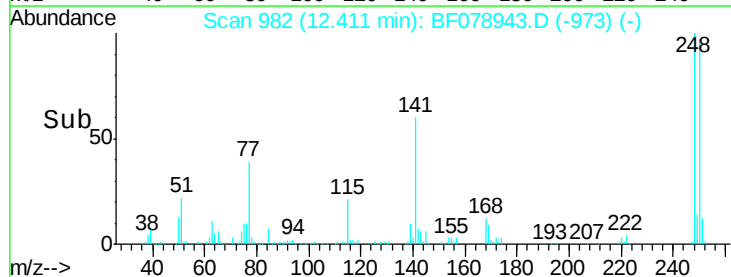
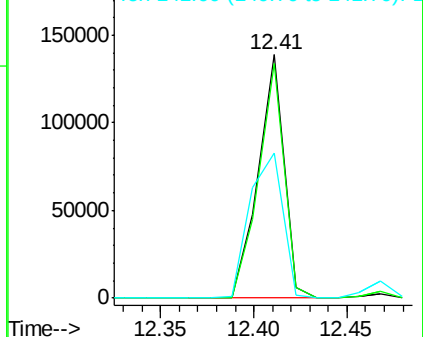


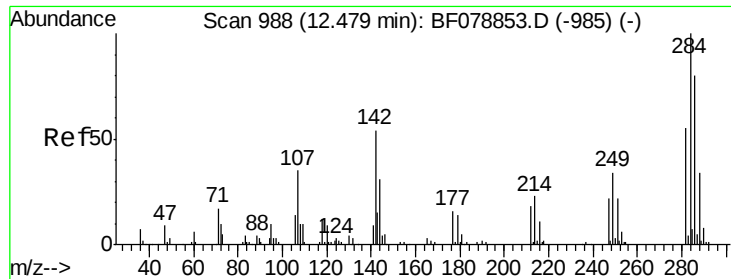
#66
 4-Bromophenyl-phenylether
 Concen: 40.69 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:248 Resp: 132608
 Ion Ratio Lower Upper
 248 100
 250 96.5 77.1 115.7
 141 59.8 58.8 88.2



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





#67

Hexachlorobenzene

Concen: 38.95 ng

RT: 12.47 min Scan# 987

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

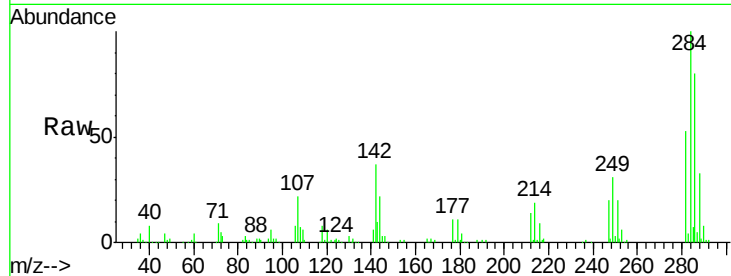
Tot Ion:284 Resp: 145106

Ion Ratio Lower Upper

284 100

142 36.6 35.2 52.8

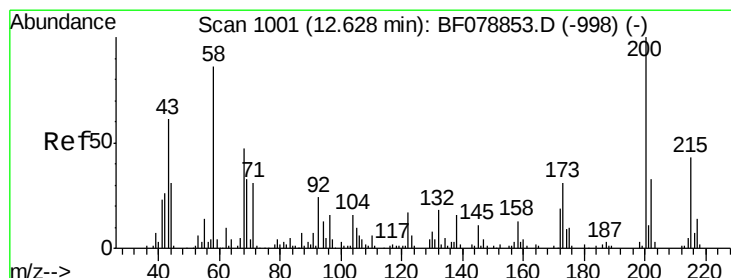
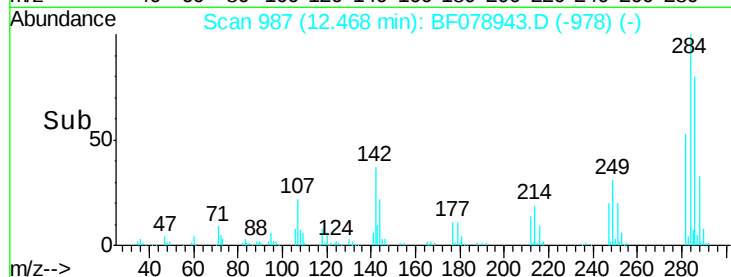
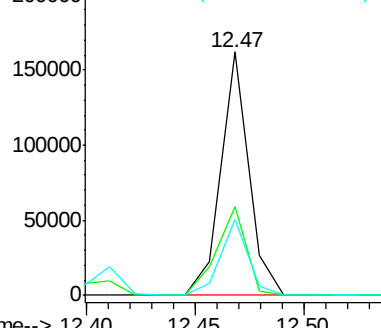
249 30.9 25.4 38.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 41.17 ng

RT: 12.62 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

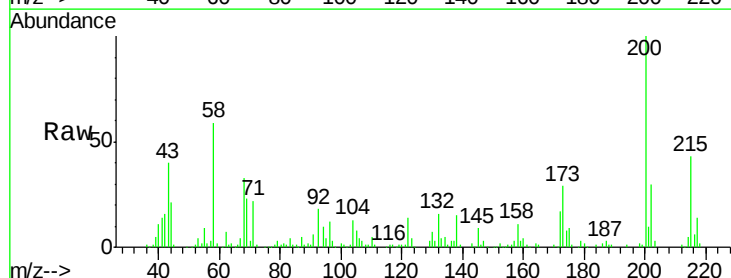
Tgt Ion:200 Resp: 124659

Ion Ratio Lower Upper

200 100

173 29.1 8.1 48.1

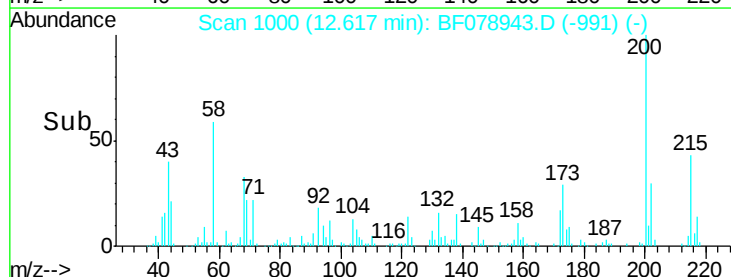
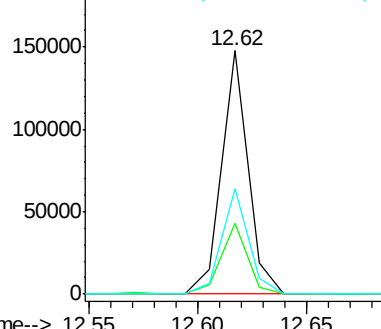
215 43.4 22.9 62.9

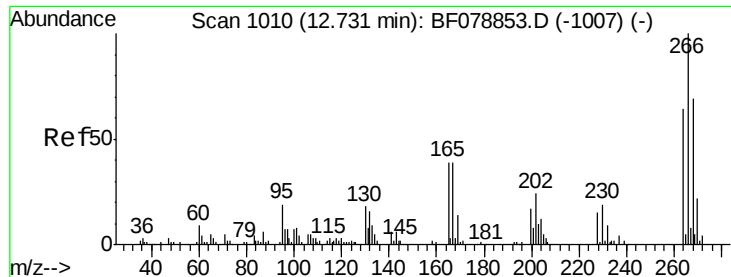


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

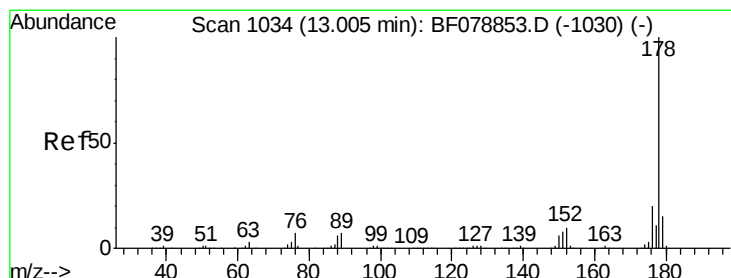
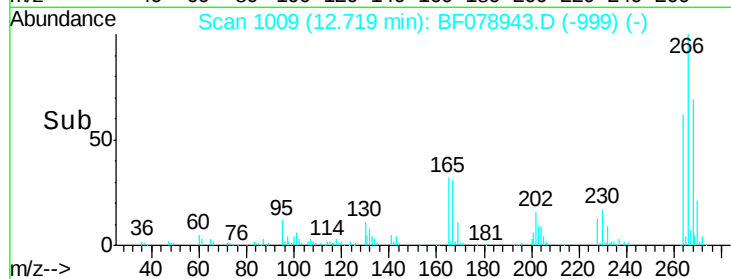
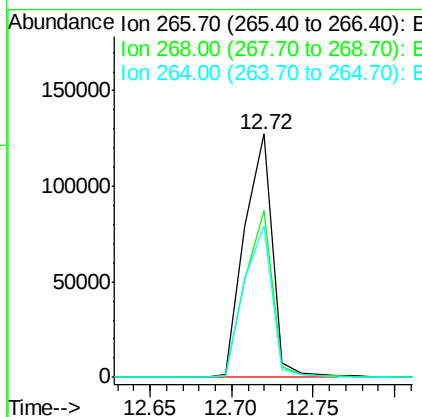
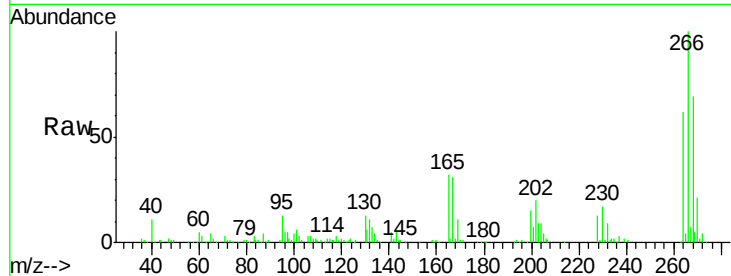




#69
 Pentachlorophenol
 Concen: 70.09 ng
 RT: 12.72 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

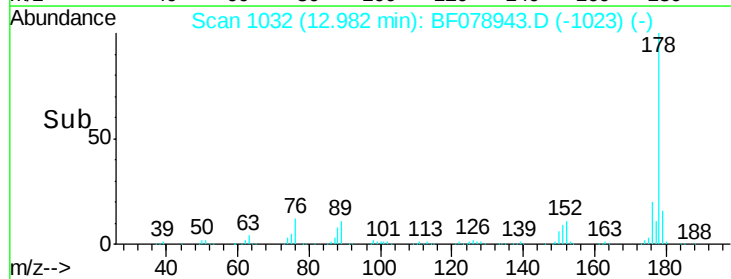
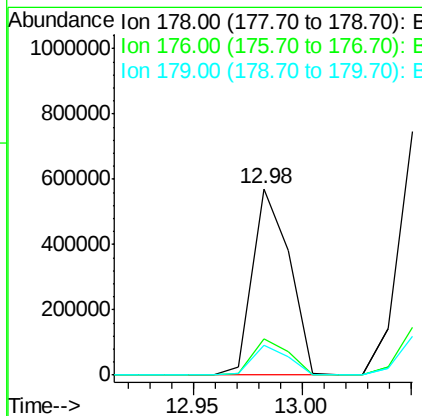
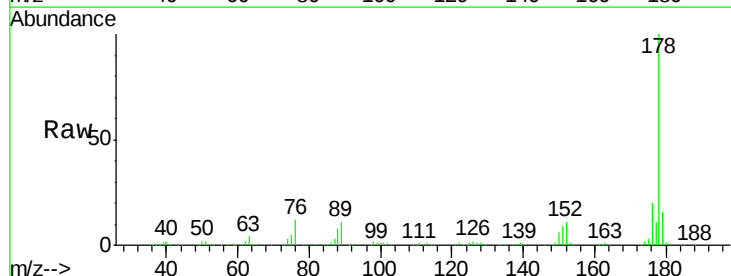
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

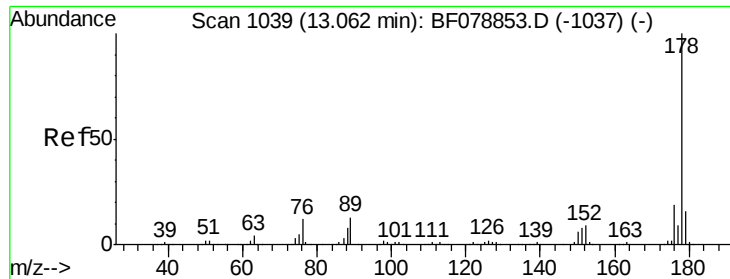
Tot Ion:266 Resp: 150729
 Ion Ratio Lower Upper
 266 100
 268 68.8 55.0 82.6
 264 62.1 48.2 72.2



#70
 Phenanthrene
 Concen: 38.59 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:178 Resp: 675113
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.8 12.5 18.7

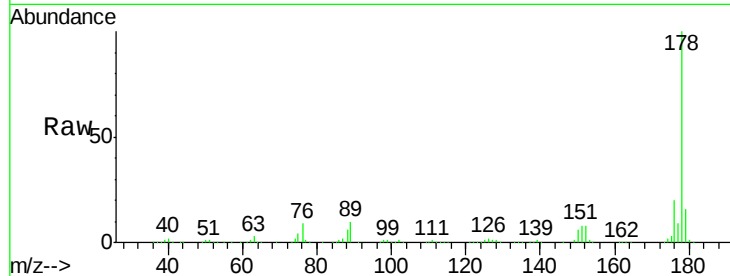




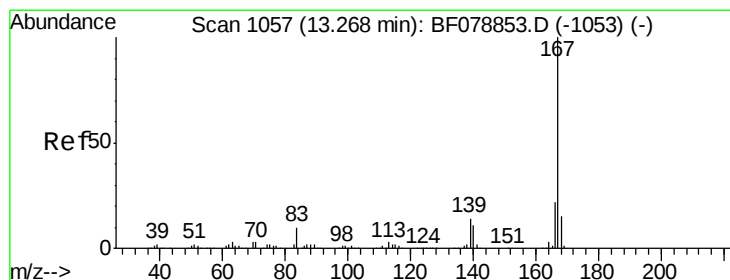
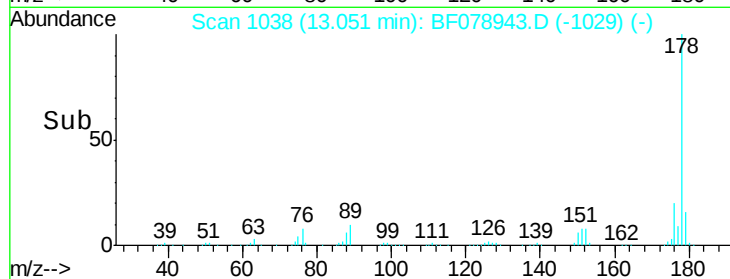
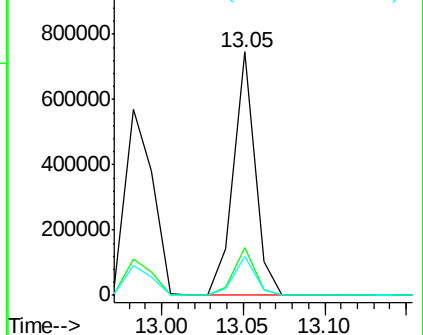
#71
 Anthracene
 Concen: 39.70 ng
 RT: 13.05 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

Tot Ion:178 Resp: 681315
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.9 12.7 19.1

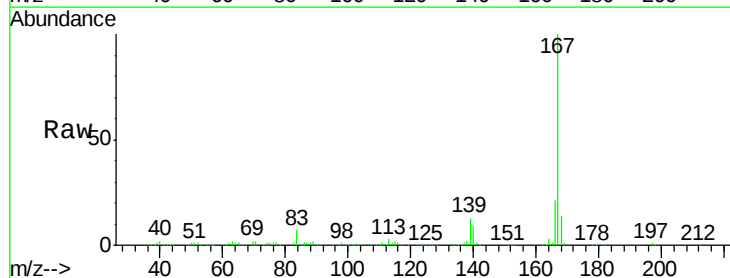


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

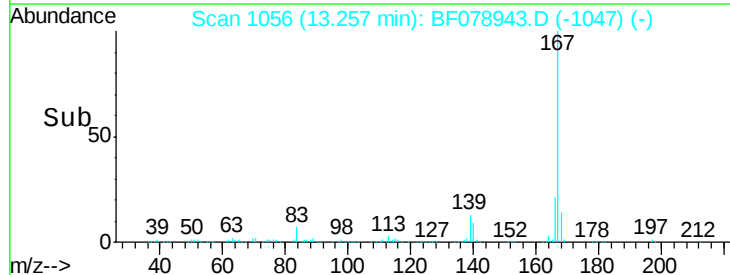
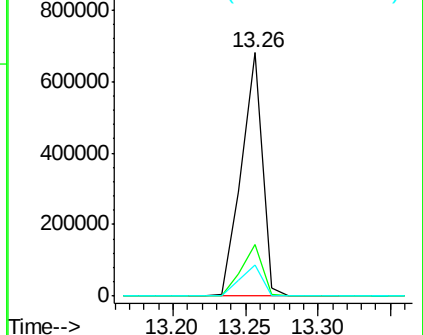


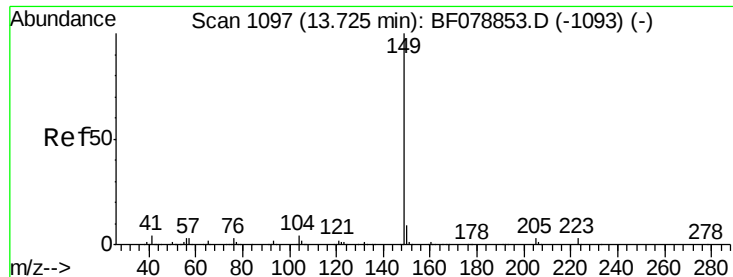
#72
 Carbazole
 Concen: 42.23 ng
 RT: 13.26 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:167 Resp: 690722
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.8
 139 12.6 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: 39.71 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

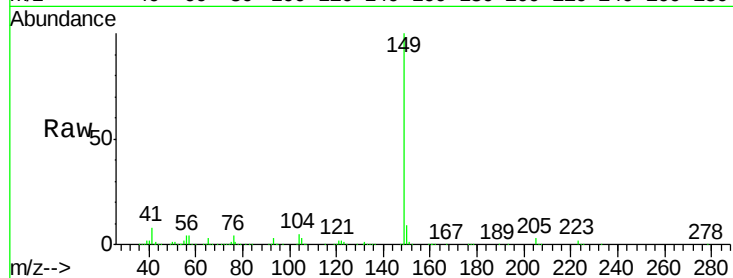
Tot Ion:149 Resp: 779031

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

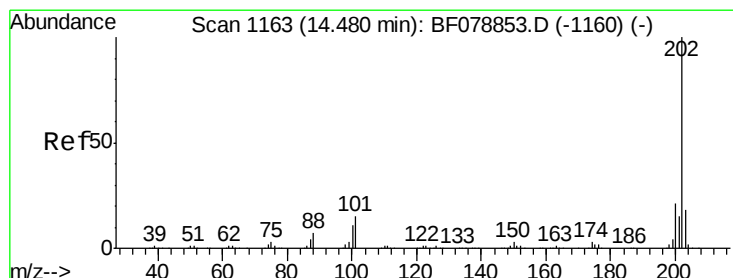
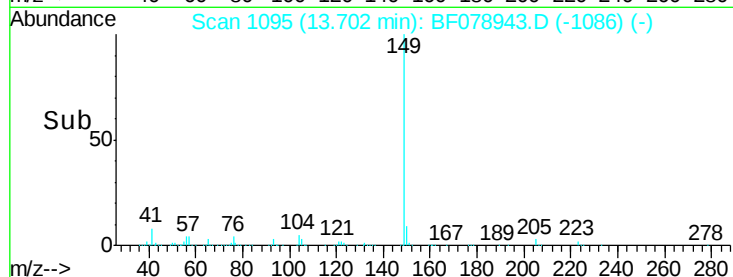
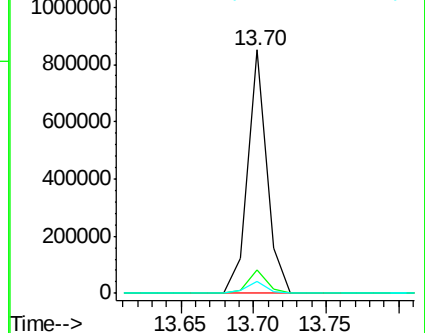
104 4.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.88 ng

RT: 14.47 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

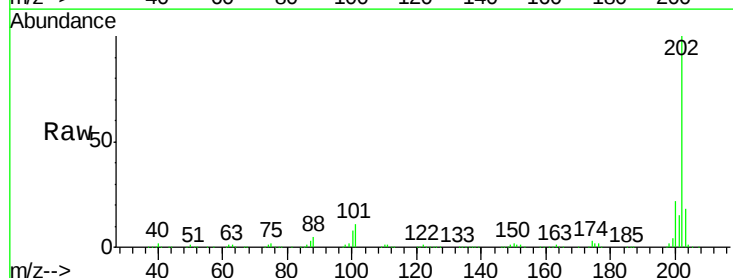
Tgt Ion:202 Resp: 763333

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.6

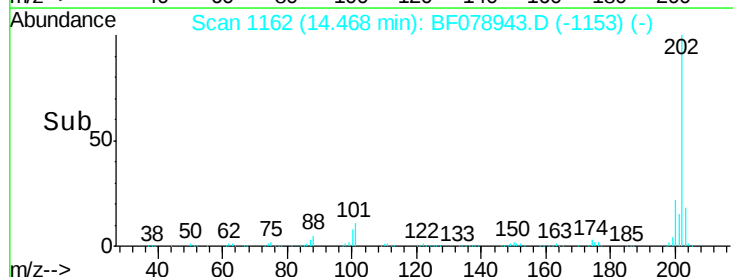
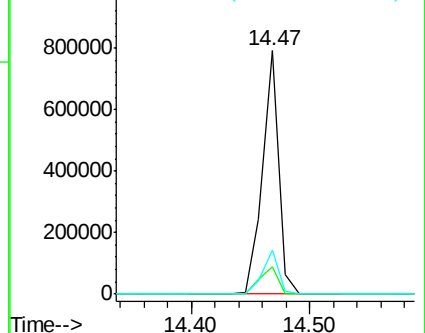
203 18.0 0.0 38.4

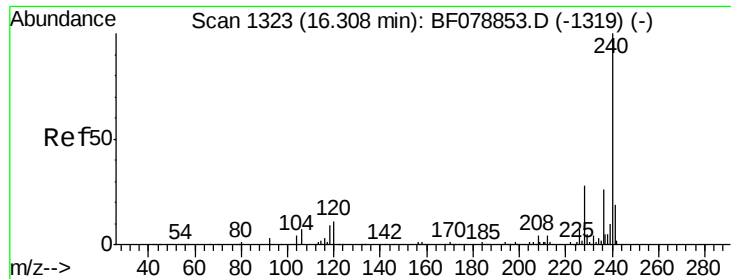


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.30 min Scan# 1322

Delta R.T. 0.02 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

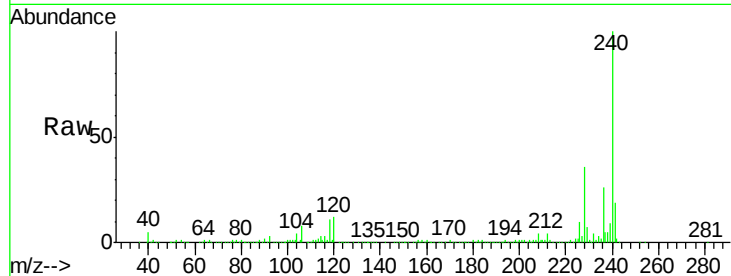
Tot Ion:240 Resp: 321359

Ion Ratio Lower Upper

240 100

120 11.6 9.7 14.5

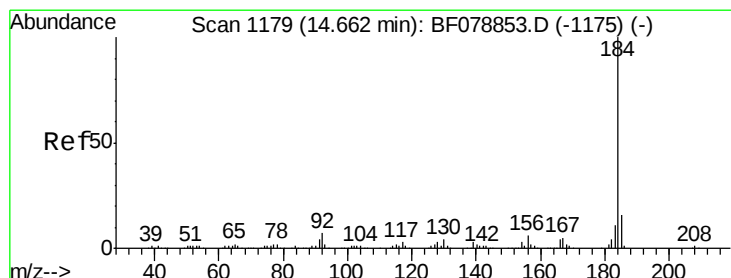
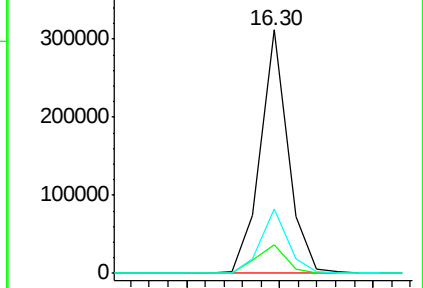
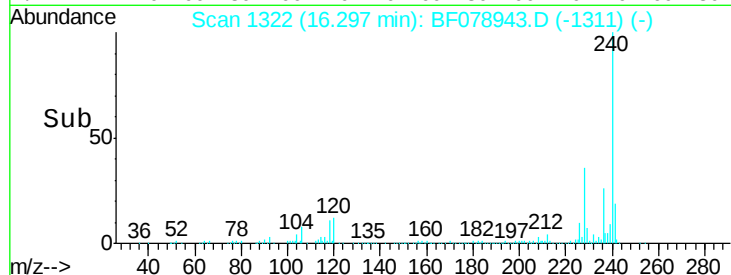
236 26.4 20.2 30.4



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: 19.89 ng

RT: 14.64 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

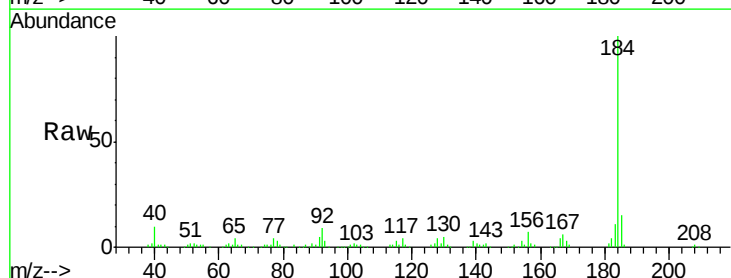
Tgt Ion:184 Resp: 172306

Ion Ratio Lower Upper

184 100

185 14.7 12.3 18.5

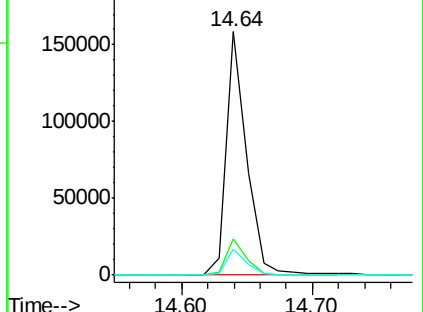
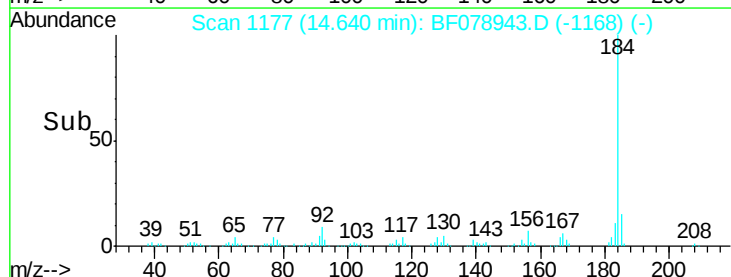
183 10.5 8.4 12.6

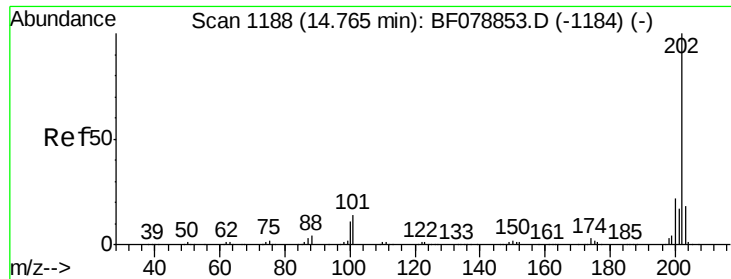


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

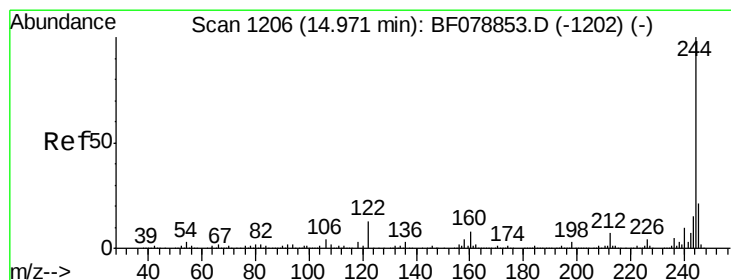
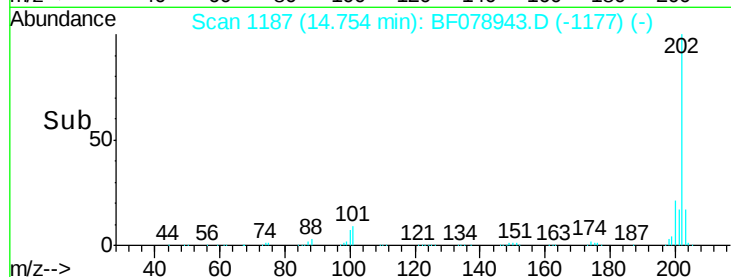
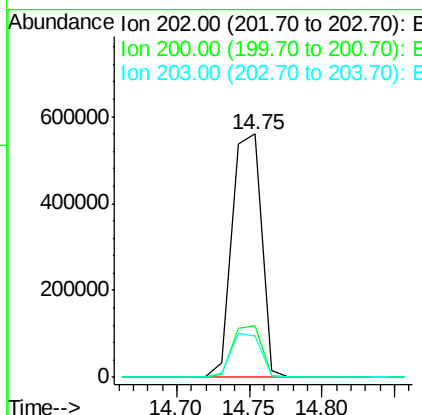
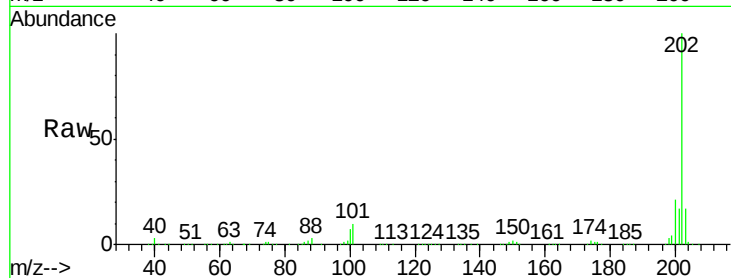




#77
Pvrene
Concen: 42.63 ng
RT: 14.75 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

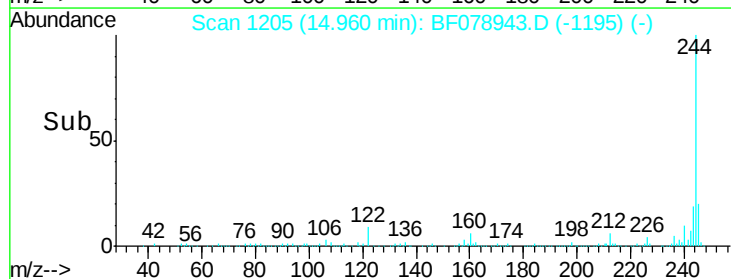
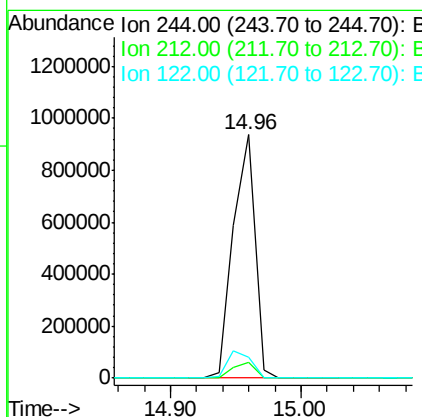
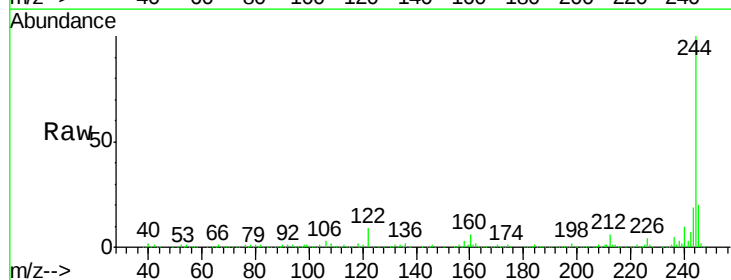
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	17.2	13.9	20.9



#78
Terphenyl-d14
Concen: 81.05 ng
RT: 14.96 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	8.6	10.3	15.5

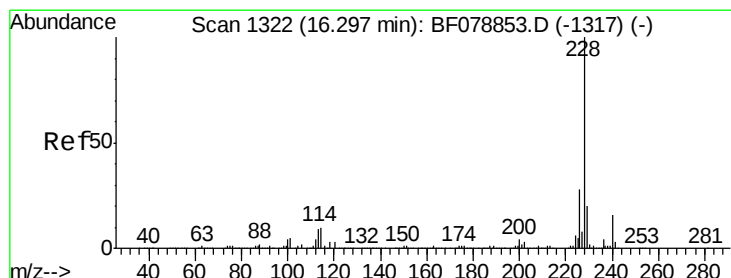
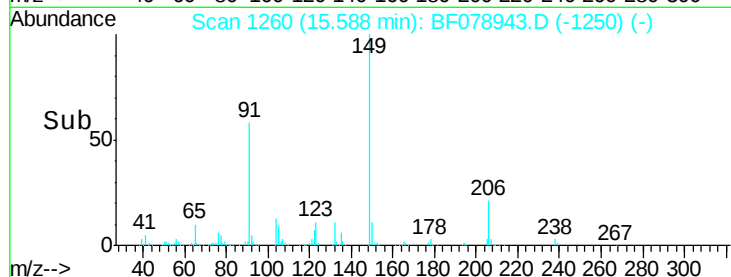
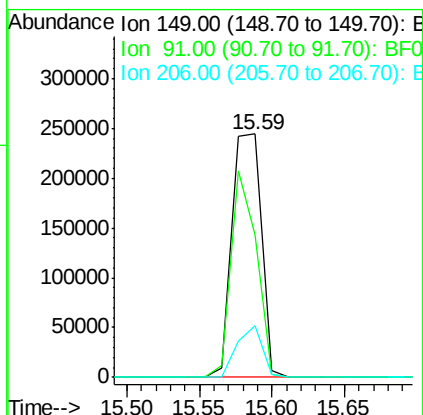
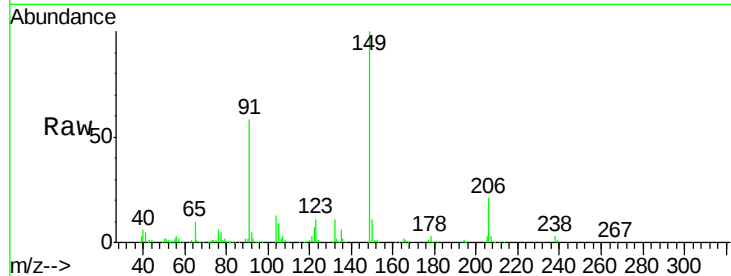




#79
Butylbenzylphthalate
Concen: 42.69 ng
RT: 15.59 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

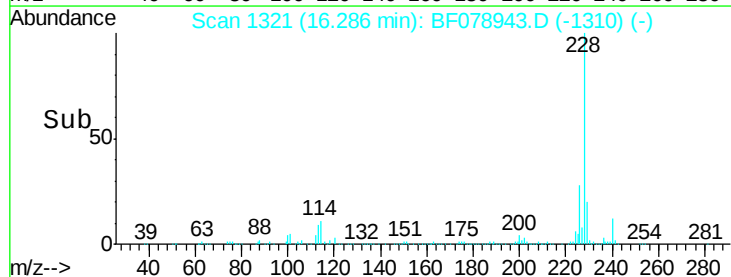
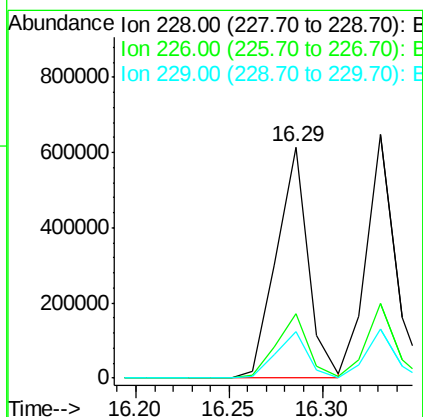
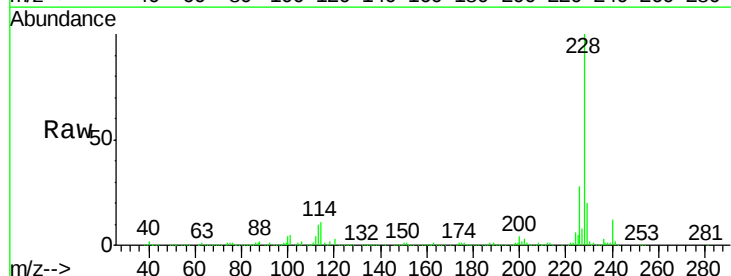
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

Tot Ion:149 Resp: 345551
Ion Ratio Lower Upper
149 100
91 58.4 64.6 97.0#
206 21.2 12.2 18.4#



#80
Benzo(a)anthracene
Concen: 41.38 ng
RT: 16.29 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:228 Resp: 728242
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 20.3 15.9 23.9

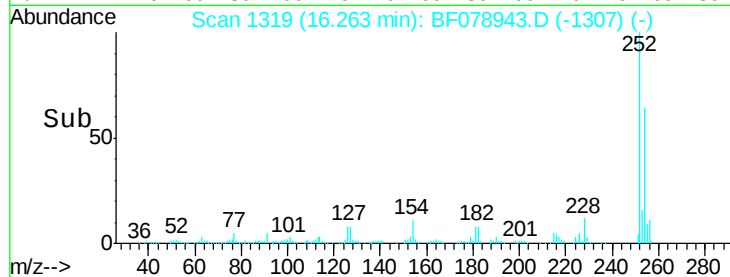
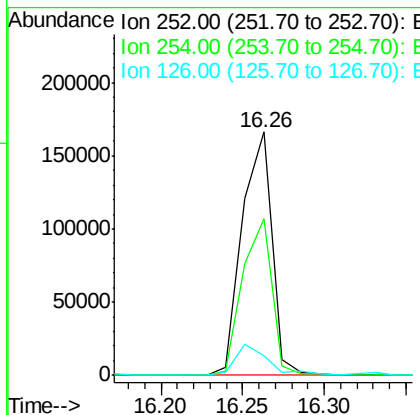
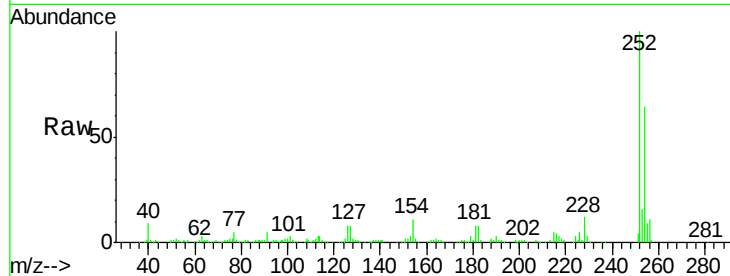




#81
 3,3'-Dichlorobenzidine
 Concen: 33.67 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. 0.03 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

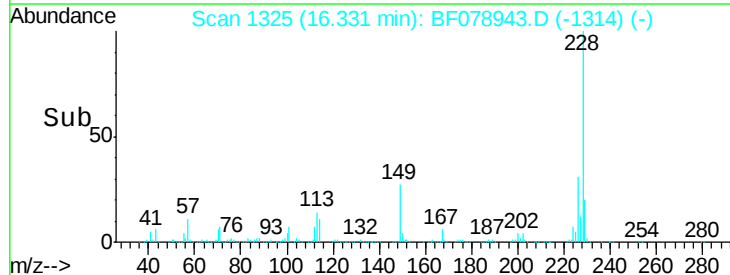
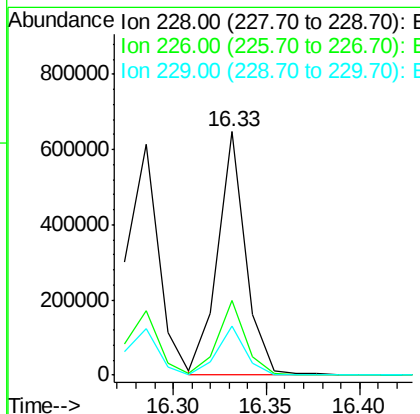
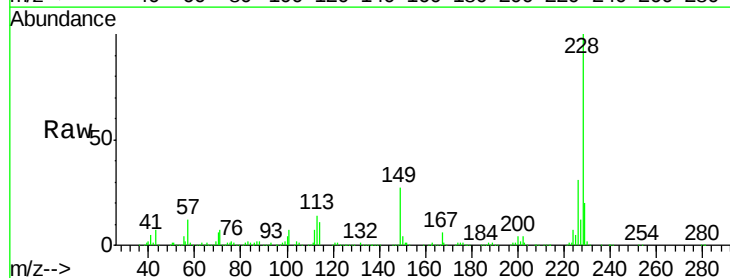
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

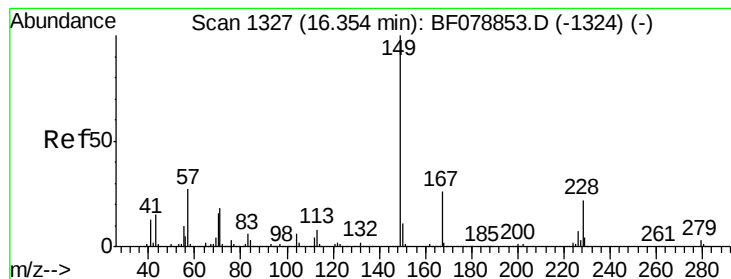
Tot Ion:252 Resp: 211079
 Ion Ratio Lower Upper
 252 100
 254 64.5 51.3 76.9
 126 8.2 6.6 10.0



#82
 Chrysene
 Concen: 39.84 ng
 RT: 16.33 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion:228 Resp: 674242
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.9 37.3
 229 20.2 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.56 ng

RT: 16.34 min Scan# 1326

Delta R.T. 0.03 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

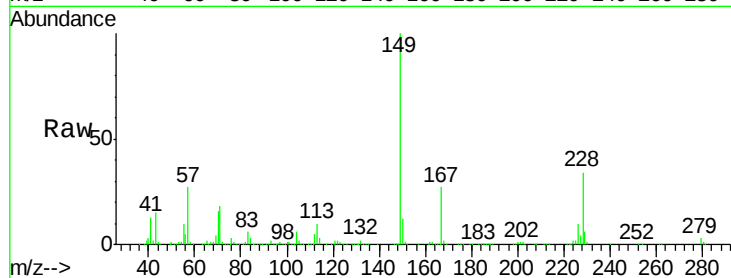
Tot Ion:149 Resp: 509588

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

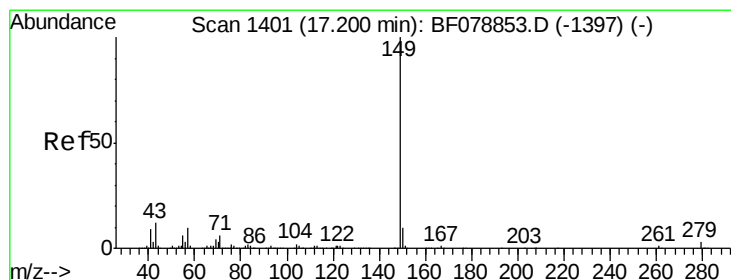
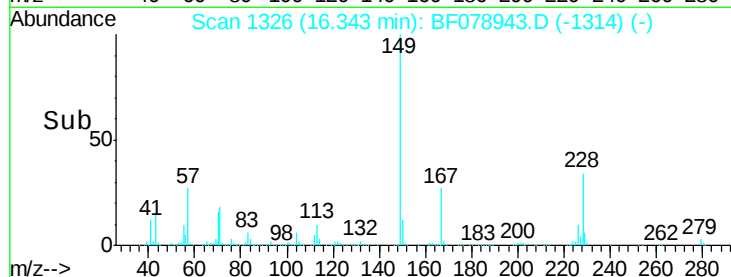
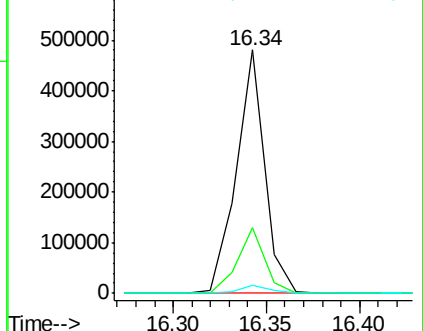
279 3.3 2.9 4.3



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: 40.28 ng

RT: 17.20 min Scan# 1401

Delta R.T. 0.06 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

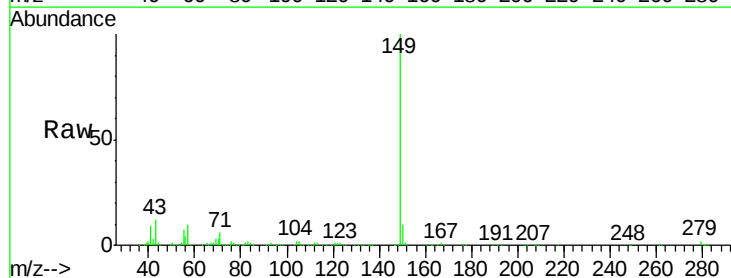
Tgt Ion:149 Resp: 869862

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

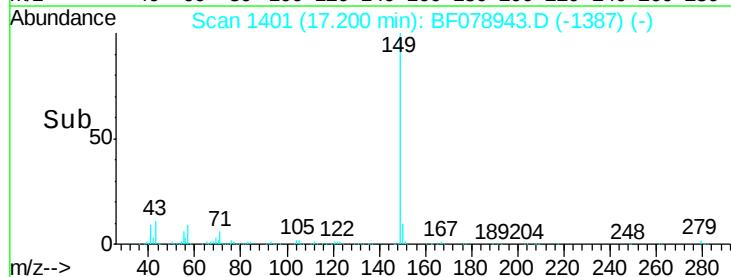
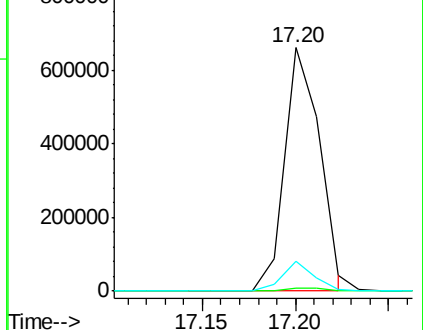
43 10.7 0.0 0.0#

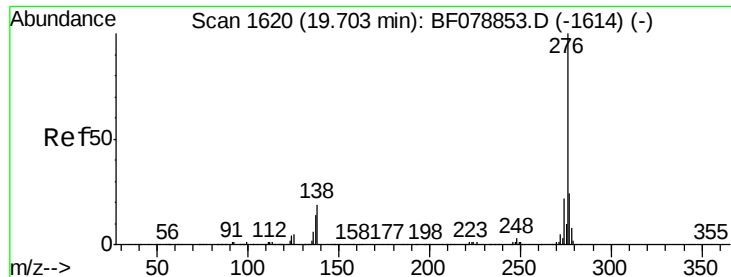


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

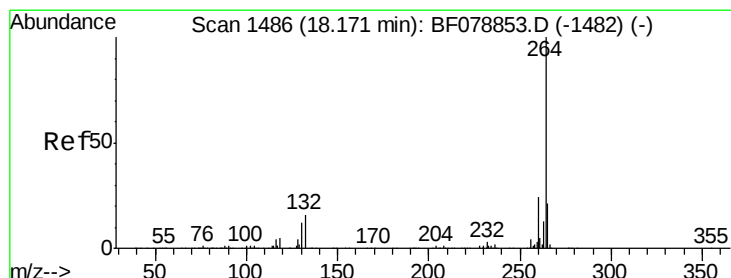
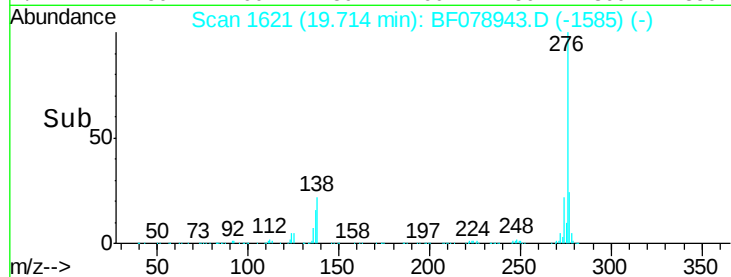
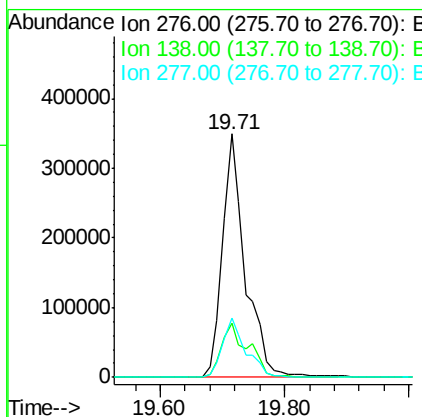
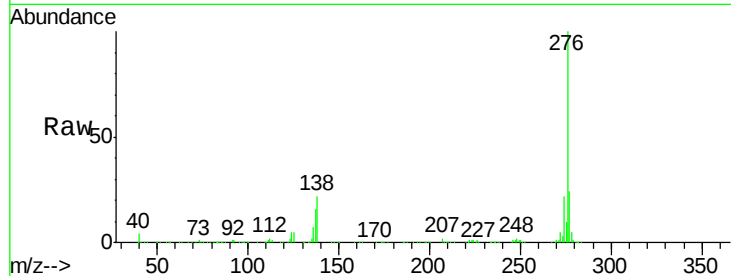




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.19 ng
 RT: 19.71 min Scan# 1621
 Delta R.T. 0.11 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

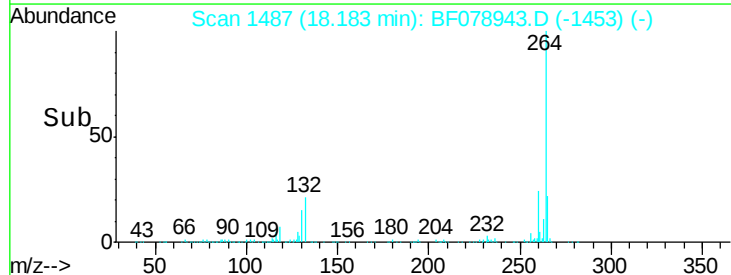
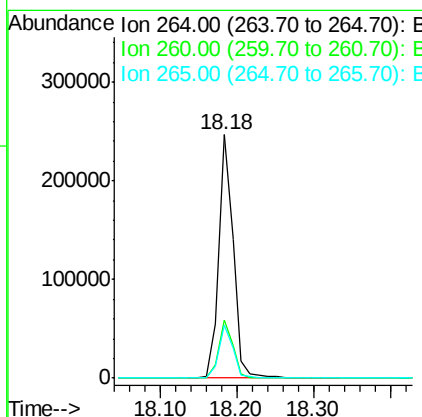
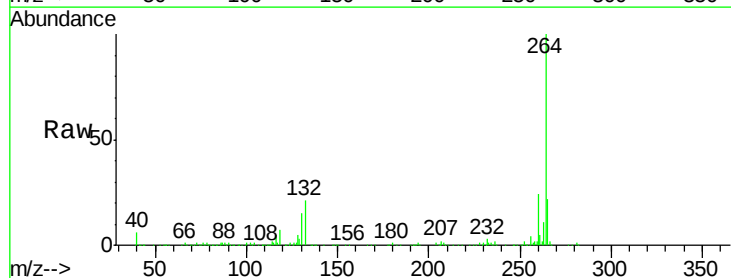
Instrument :
 BNA_F
 ClientSampleId :
 B4(5-7)MSD

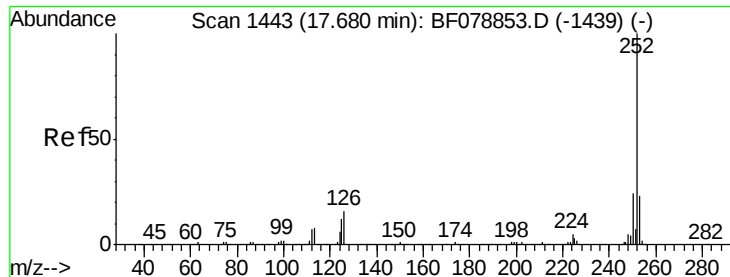
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	0.0	0.0#
277	25.2	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.18 min Scan# 1487
 Delta R.T. 0.09 min
 Lab File: BF078943.D
 Acq: 5 May 2015 16:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.8	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 43.58 ng

RT: 17.69 min Scan# 1444

Delta R.T. 0.08 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

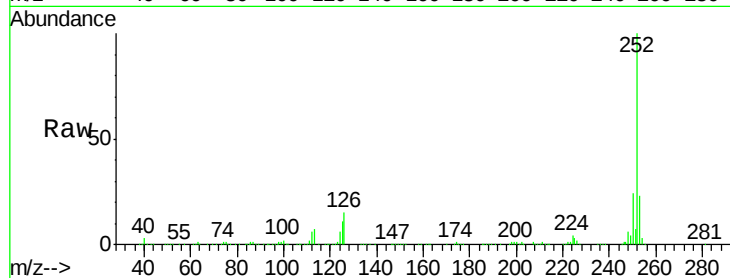
Tot Ion:252 Resp: 778832

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

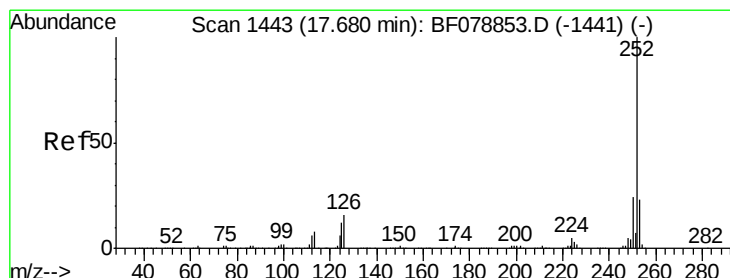
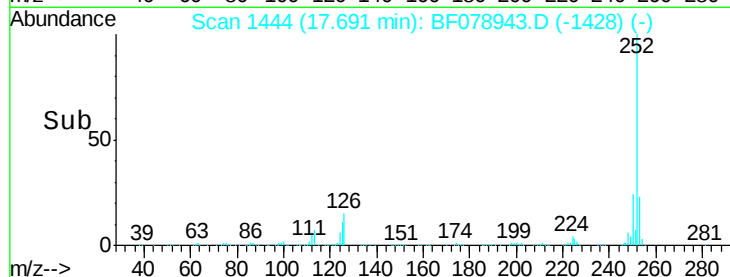
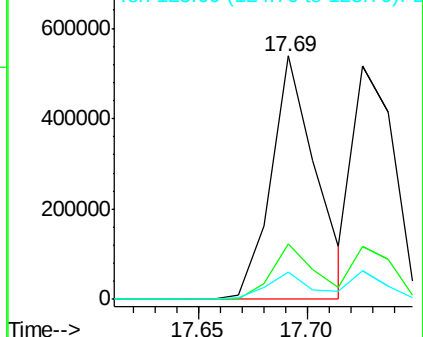
125 11.3 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 38.83 ng

RT: 17.73 min Scan# 1447

Delta R.T. 0.07 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

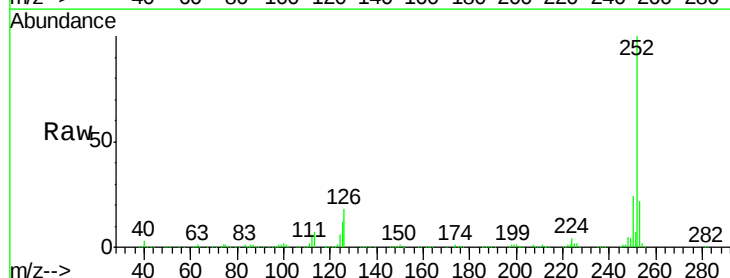
Tgt Ion:252 Resp: 671784

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

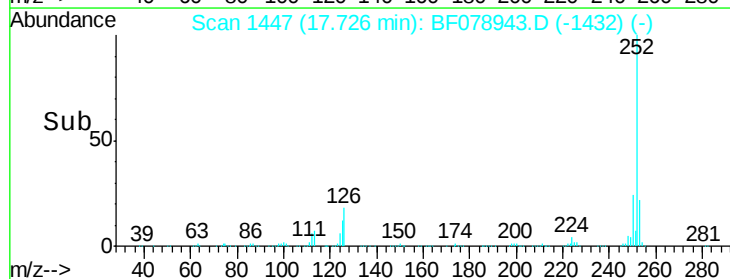
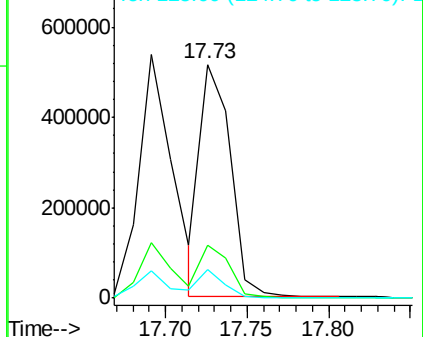
125 12.0 10.0 15.0

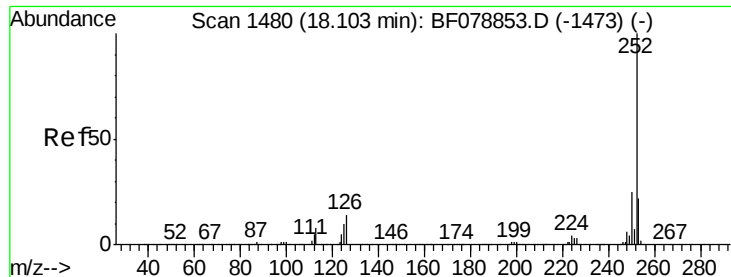


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

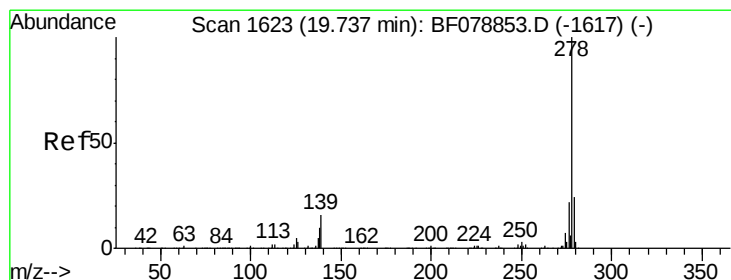
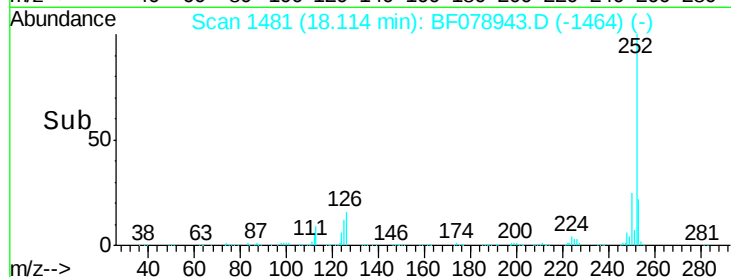
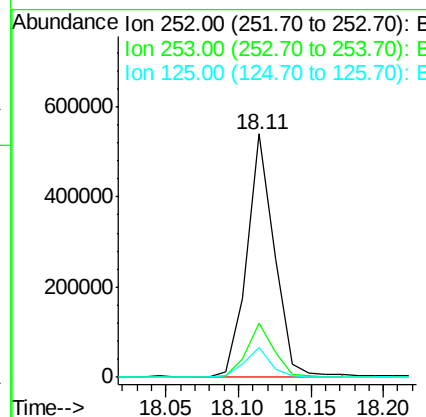
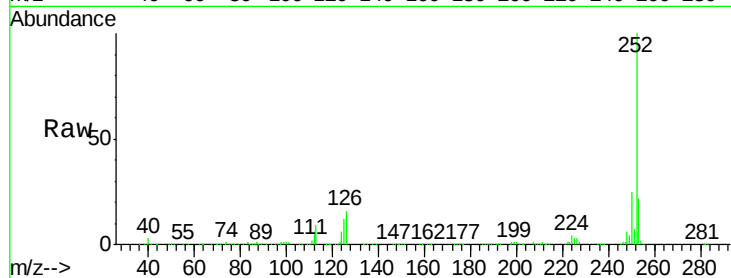




#89
Benzo(a)pyrene
Concen: 43.05 ng
RT: 18.11 min Scan# 1481
Delta R.T. 0.09 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

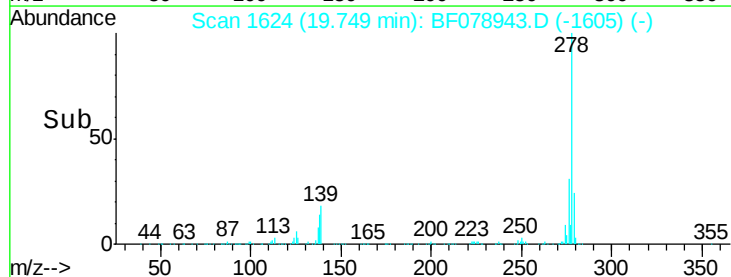
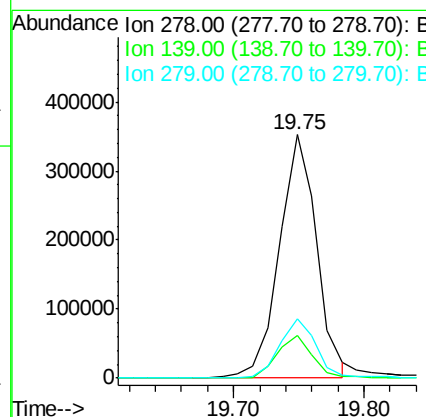
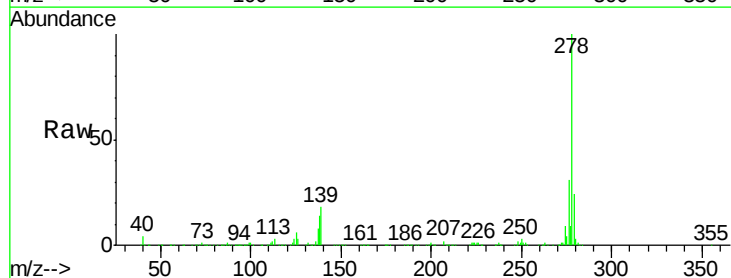
Instrument :
BNA_F
ClientSampleId :
B4(5-7)MSD

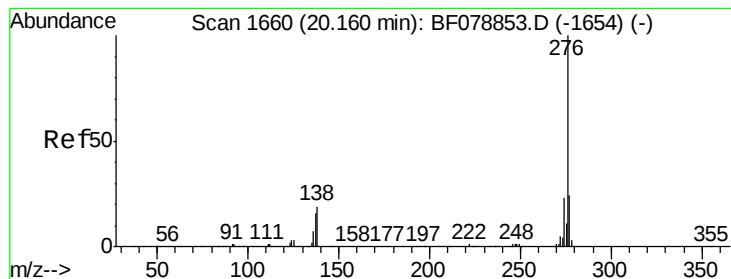
Tot Ion:252 Resp: 708492
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 12.1 7.0 10.6#



#90
Dibenzo(a,h)anthracene
Concen: 40.27 ng
RT: 19.75 min Scan# 1624
Delta R.T. 0.11 min
Lab File: BF078943.D
Acq: 5 May 2015 16:30

Tgt Ion:278 Resp: 704333
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 24.2 19.6 29.4





#91

Benzo(a,h,i)perylene

Concen: 42.00 ng

RT: 20.17 min Scan# 1661

Delta R.T. 0.11 min

Lab File: BF078943.D

Acq: 5 May 2015 16:30

Instrument :

BNA_F

ClientSampleId :

B4(5-7)MSD

Tot Ion: 276 Resp: 736277

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 22.4 17.4 26.0

