

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100715\
 Data File : BF082110.D
 Acq On : 7 Oct 2015 18:02
 Operator : UM/IZ
 Sample : G3888-03MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Quant Time: Oct 08 02:52:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 02:46:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	82073	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	323878	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	166048	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	317123	20.00	ng	0.00
75) Chrysene-d12	14.06	240	288427	20.00	ng	0.00
86) Perylene-d12	15.50	264	234824	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	558202	123.47	ng	0.02
7) Phenol-d6	6.51	99	685946	120.57	ng	0.01
23) Nitrobenzene-d5	7.45	82	486200	100.07	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	237062	140.97	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1004109	106.30	ng	0.00
78) Terphenyl-d14	13.00	244	1038453	140.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.58	88	72047	36.64	ng	# 74
3) Pyridine	3.31	79	124506	24.32	ng	# 81
4) n-Nitrosodimethylamine	3.25	42	83400	35.87	ng	# 90
6) Aniline	6.54	93	128357	16.79	ng	# 64
8) 2-Chlorophenol	6.66	128	236826	47.44	ng	# 98
9) Benzaldehyde	6.42	77	26011	6.98	ng	# 78
10) Phenol	6.53	94	280603	43.97	ng	# 77
11) bis(2-Chloroethyl)ether	6.62	93	245399	49.58	ng	# 95
12) 1,3-Dichlorobenzene	7.05	146	240674	40.81	ng	# 98
13) 1,4-Dichlorobenzene	7.05	146	246923	40.10	ng	# 98
14) 1,2-Dichlorobenzene	7.05	146	254396	46.36	ng	# 98
15) Benzyl Alcohol	7.02	79	187687	45.70	ng	# 74
16) 2,2'-oxybis(1-Chloropropan	7.15	45	326805	46.71	ng	# 80
17) 2-Methylphenol	7.13	107	188573	46.59	ng	# 86
18) Hexachloroethane	7.38	117	90313	46.85	ng	# 88
19) n-Nitroso-di-n-propylamine	7.29	70	156836	45.36	ng	# 78
20) 3+4-Methylphenols	7.29	107	229744	44.94	ng	# 56
22) Acetophenone	7.29	105	325442	49.15	ng	# 79
24) Nitrobenzene	7.46	77	238962	45.29	ng	# 68
25) Isophorone	7.70	82	468148	48.61	ng	# 92
26) 2-Nitrophenol	7.78	139	136561	53.92	ng	# 78
27) 2,4-Dimethylphenol	7.82	122	218373	49.02	ng	# 81
28) bis(2-Chloroethoxy)methane	7.92	93	285903	49.99	ng	# 94
29) 2,4-Dichlorophenol	8.02	162	234421	54.27	ng	# 99
30) 1,2,4-Trichlorobenzene	8.10	180	229160	47.52	ng	# 98
31) Naphthalene	8.18	128	685516	47.77	ng	# 97
32) Benzoic acid	7.91	122	44871	21.61	ng	# 72
33) 4-Chloroaniline	8.24	127	54515	8.78	ng	# 92
34) Hexachlorobutadiene	8.30	225	137966	48.37	ng	# 98
35) Caprolactam	8.61	113	28661	23.97	ng	# 87
36) 4-Chloro-3-methylphenol	8.72	107	215426	51.00	ng	# 82
37) 2-Methylnaphthalene	8.88	142	501678	51.21	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	228261	44.78	ng	# 99
40) Hexachlorocyclopentadiene	9.03	237	240439	91.59	ng	# 97

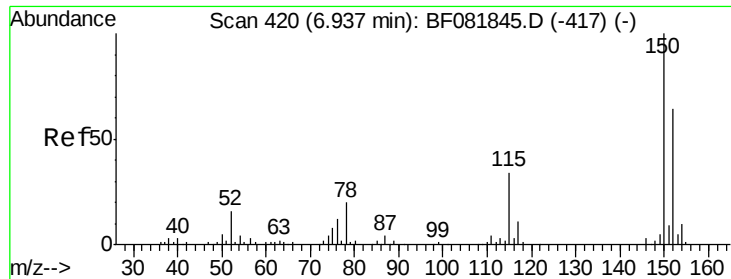
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	160951	46.05	nq	99
43) 2,4,5-Trichlorophenol	9.20	196	183628	51.09	nq	97
45) 1,1'-Biphenyl	9.34	154	581944	45.43	nq	94
46) 2-Chloronaphthalene	9.37	162	488127	48.53	nq	98
47) 2-Nitroaniline	9.46	65	139205	47.14	nq	# 70
48) Acenaphthylene	9.78	152	774982	48.14	nq	96
49) Dimethylphthalate	9.65	163	569257	49.67	nq	# 98
50) 2,6-Dinitrotoluene	9.71	165	136847	54.99	nq	94
51) Acenaphthene	9.95	154	493140	51.58	nq	90
52) 3-Nitroaniline	9.89	138	63329	22.00	nq	# 88
53) 2,4-Dinitrophenol	9.99	184	69497	65.57	nq	# 77
54) Dibenzofuran	10.13	168	672494	49.77	nq	# 88
55) 4-Nitrophenol	10.05	139	169876	81.67	nq	# 52
56) 2,4-Dinitrotoluene	10.11	165	167956	52.95	nq	# 79
57) Fluorene	10.47	166	532026	55.56	nq	93
58) 2,3,4,6-Tetrachlorophenol	10.24	232	149925	52.59	nq	95
59) Diethylphthalate	10.34	149	544396	50.85	nq	98
60) 4-Chlorophenyl-phenylether	10.46	204	240930	48.71	nq	# 79
61) 4-Nitroaniline	10.50	138	139591	48.36	nq	# 58
62) Azobenzene	10.62	77	537006	51.40	nq	89
64) 4,6-Dinitro-2-methylphenol	10.53	198	66450	46.52	nq	# 62
65) n-Nitrosodiphenylamine	10.58	169	468225	48.80	nq	91
66) 4-Bromophenyl-phenylether	10.95	248	167773	52.47	nq	# 91
67) Hexachlorobenzene	11.02	284	182057	50.45	nq	# 79
68) Atrazine	11.11	200	152912	51.36	nq	83
69) Pentachlorophenol	11.21	266	188780	91.81	nq	100
70) Phenanthrene	11.43	178	801915	52.84	nq	96
71) Anthracene	11.49	178	894599	55.50	nq	97
72) Carbazole	11.65	167	827141	56.70	nq	96
73) Di-n-butylphthalate	11.97	149	860431	58.31	nq	# 98
74) Fluoranthene	12.62	202	872813	51.38	nq	92
76) Benzidine	12.76	184	88550	10.19	nq	96
77) Pyrene	12.85	202	906684	52.62	nq	96
79) Butylbenzylphthalate	13.46	149	392729	60.57	nq	# 82
80) Benzo(a)anthracene	14.05	228	807695	52.00	nq	97
81) 3,3'-Dichlorobenzidine	14.00	252	130055	24.79	nq	# 94
82) Chrysene	14.08	228	843158	Below	Cal	94
83) Bis(2-ethylhexyl)phthalate	14.02	149	503565	61.91	nq	# 93
84) Di-n-octyl phthalate	14.64	149	856843	64.74	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.93	276	622089	51.20	nq	# 87
87) Benzo(b)fluoranthene	15.11	252	1400062	104.43	nq	# 87
88) Benzo(k)fluoranthene	15.11	252	1401273	114.04	nq	# 87
89) Benzo(a)pyrene	15.44	252	655473	56.36	nq	# 85
90) Dibenzo(a,h)anthracene	16.95	278	513567	52.63	nq	# 78
91) Benzo(g,h,i)perylene	17.36	276	514063	51.41	nq	# 77

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

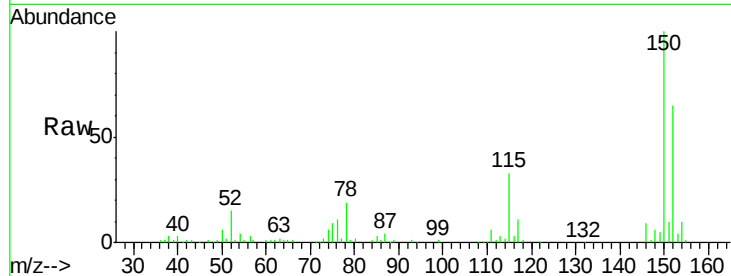


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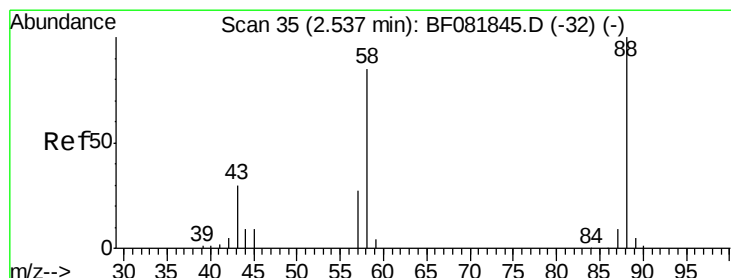
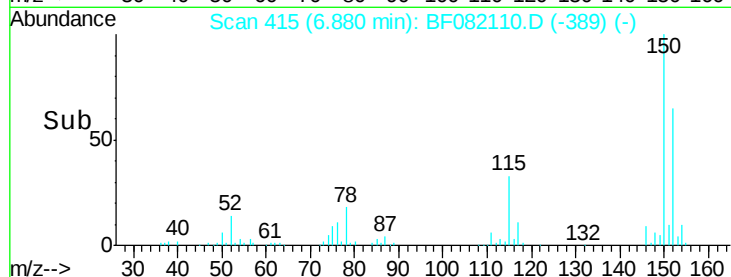
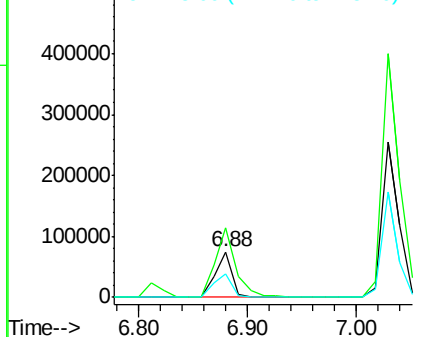
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion:152 Resp: 82073
Ion Ratio Lower Upper
152 100
150 153.4 124.7 187.1
115 50.2 39.0 58.4



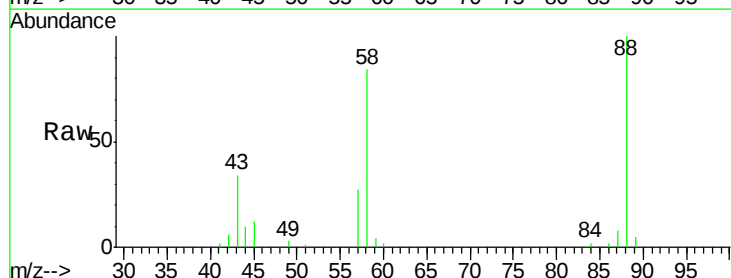
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



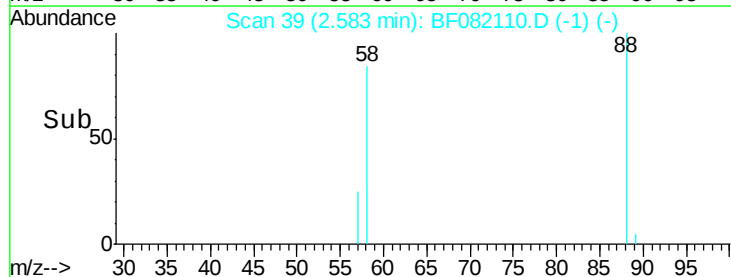
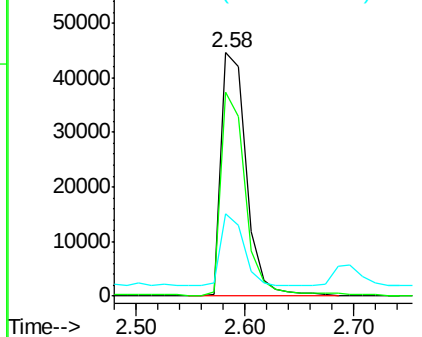
#2

1,4-Dioxane
Concen: 36.64 ng
RT: 2.58 min Scan# 39
Delta R.T. 0.14 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion: 88 Resp: 72047
Ion Ratio Lower Upper
88 100
58 82.3 77.7 116.5
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 24.32 ng

RT: 3.31 min Scan# 103

Delta R.T. 0.14 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

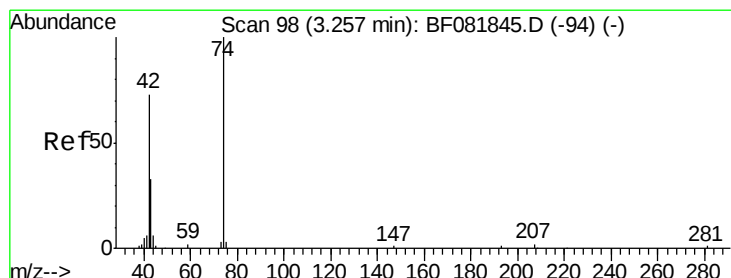
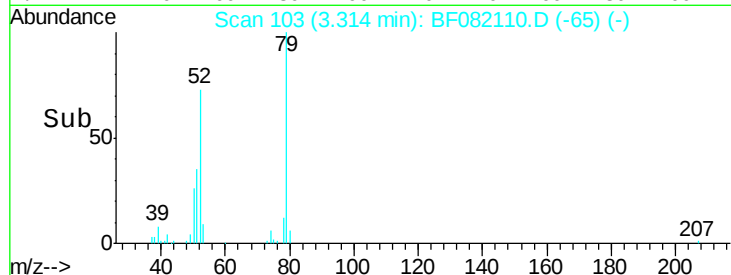
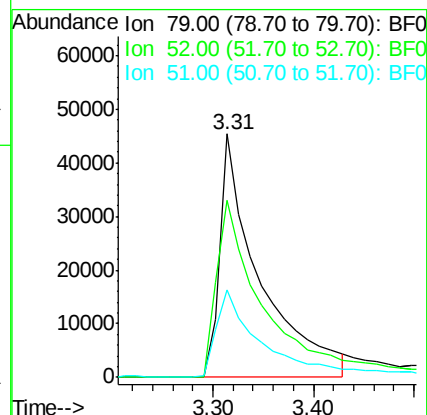
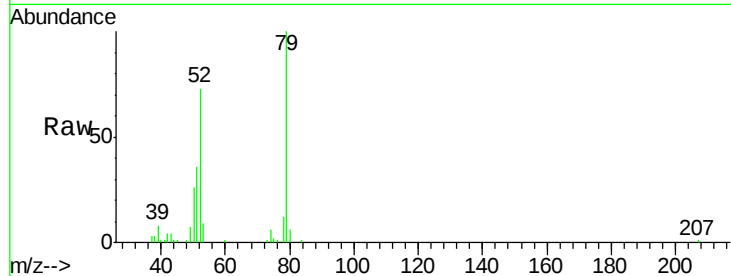
Tot Ion: 79 Resp: 124506

Ion Ratio Lower Upper

79 100

52 73.0 76.8 115.2#

51 36.1 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 35.87 ng

RT: 3.25 min Scan# 97

Delta R.T. 0.10 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

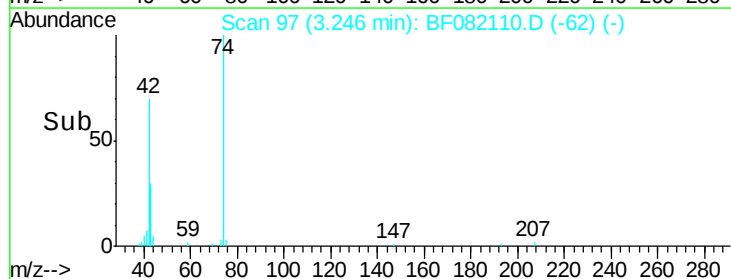
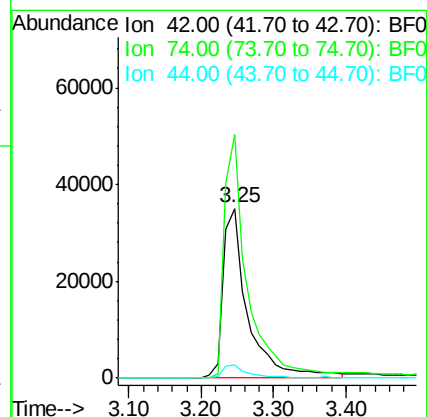
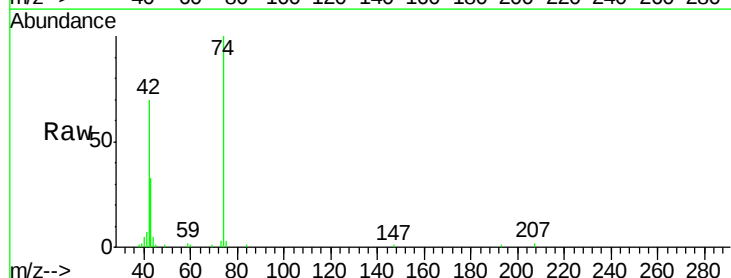
Tgt Ion: 42 Resp: 83400

Ion Ratio Lower Upper

42 100

74 143.6 105.0 157.6

44 7.6 6.6 10.0





#5

2-Fluorophenol

Concen: 123.47 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.02 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

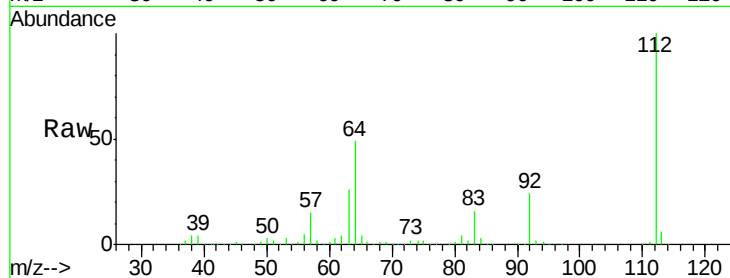
Tot Ion:112 Resp: 558202

Ion Ratio Lower Upper

112 100

64 49.5 39.7 59.5

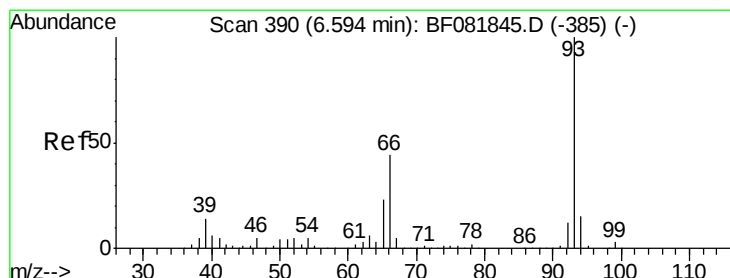
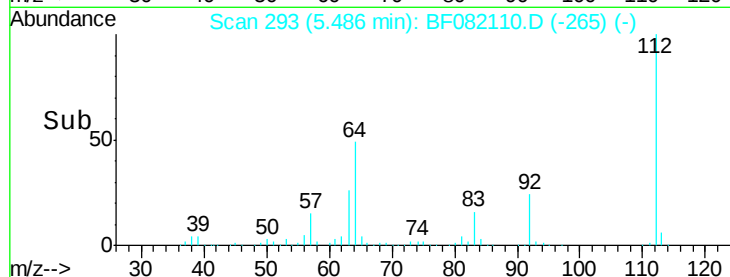
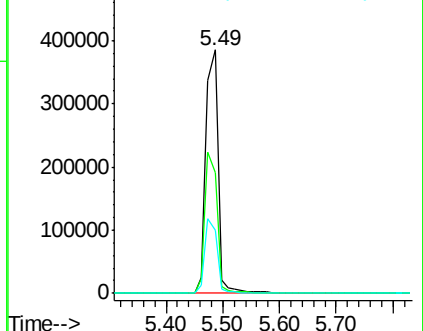
63 25.7 17.4 26.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 16.79 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

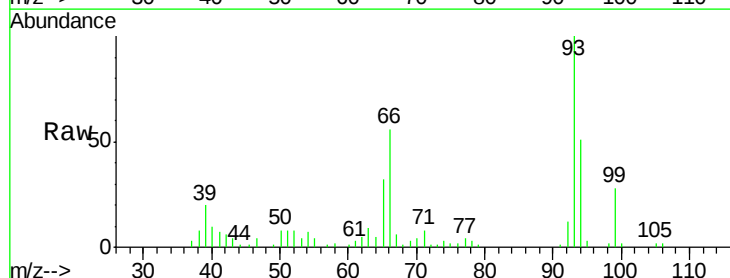
Tgt Ion: 93 Resp: 128357

Ion Ratio Lower Upper

93 100

66 56.2 27.2 40.8#

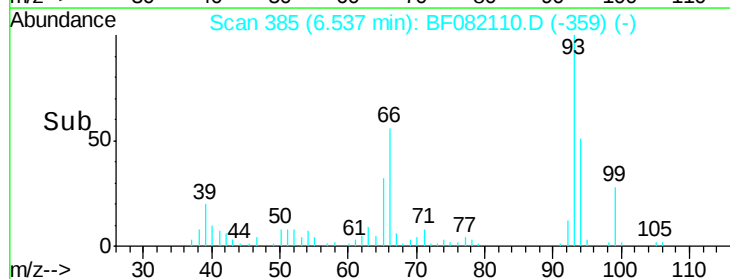
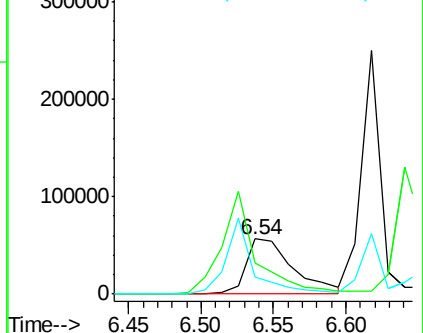
65 31.9 14.7 22.1#

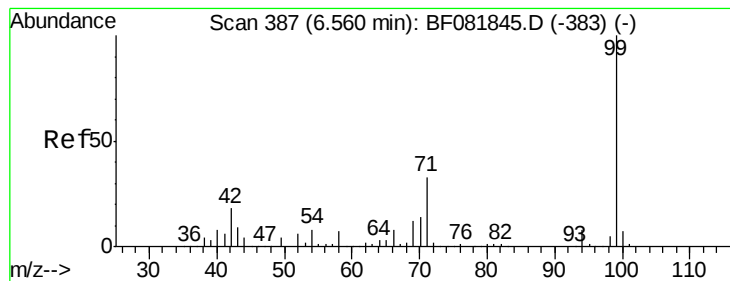


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.57 ng

RT: 6.51 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

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ClientSampleId :

WC093015MSD

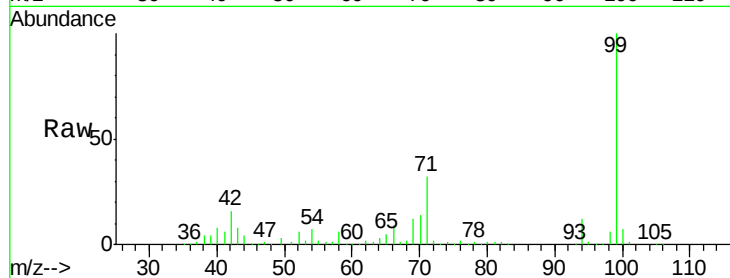
Tot Ion: 99 Resp: 685946

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

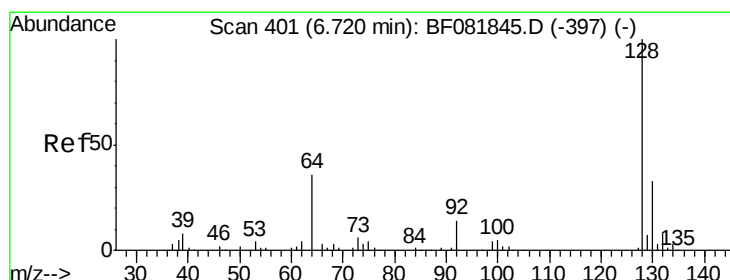
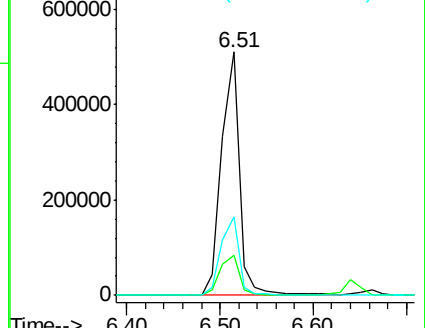
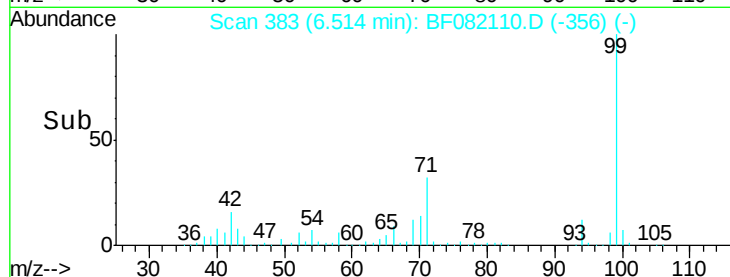
71 32.2 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 47.44 ng

RT: 6.66 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

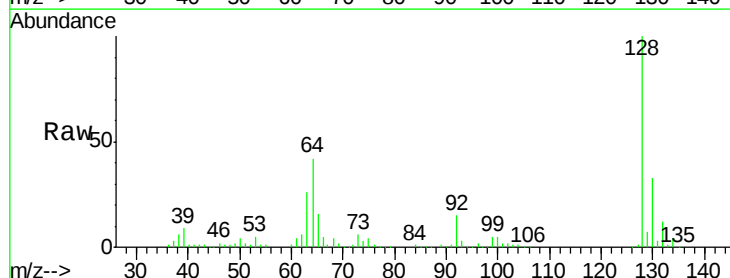
Tgt Ion:128 Resp: 236826

Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

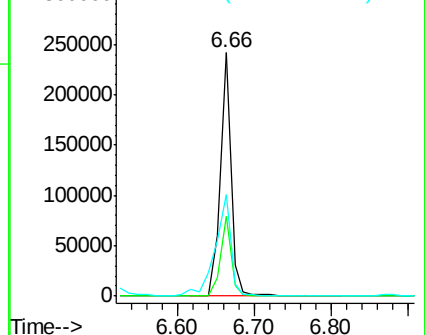
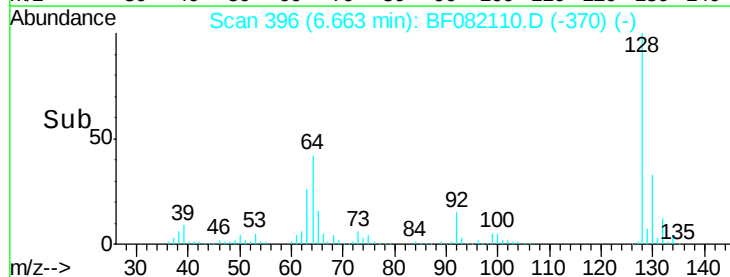
64 41.9 20.5 60.5

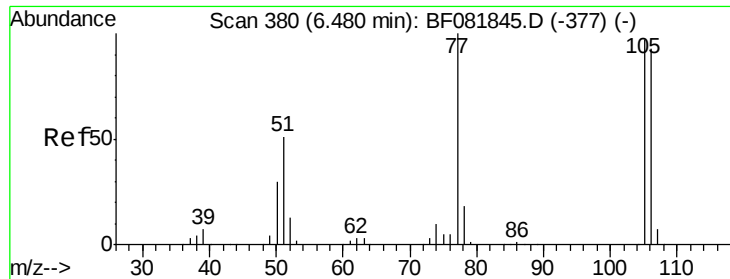


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 6.98 ng

RT: 6.42 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

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WC093015MSD

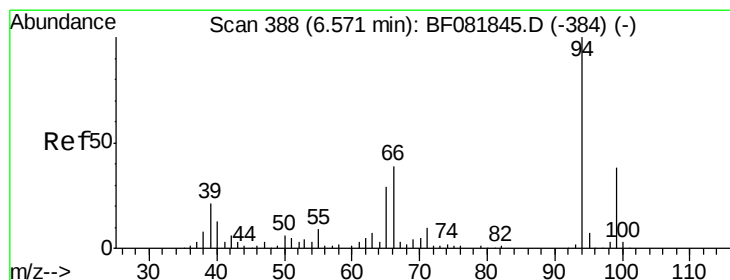
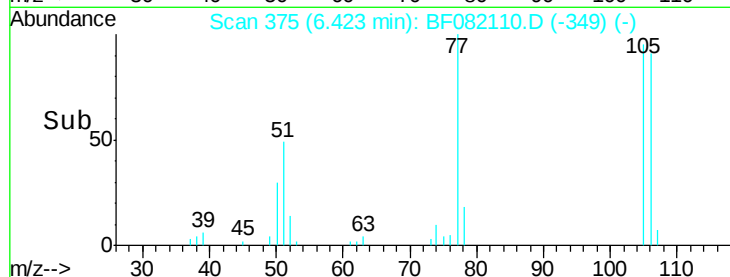
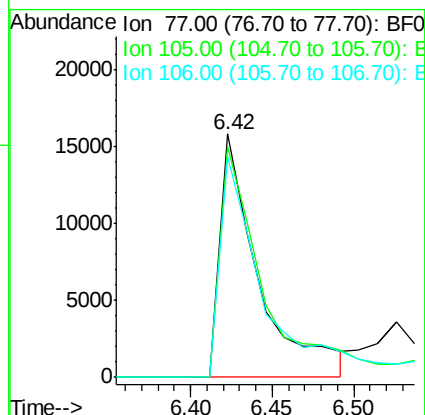
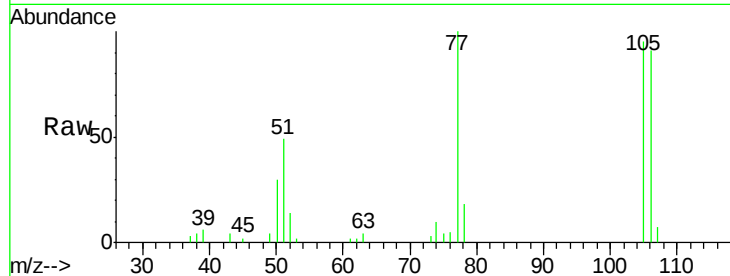
Tot Ion: 77 Resp: 26011

Ion Ratio Lower Upper

77 100

105 94.7 91.6 131.6

106 90.5 102.6 142.6#



#10

Phenol

Concen: 43.97 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

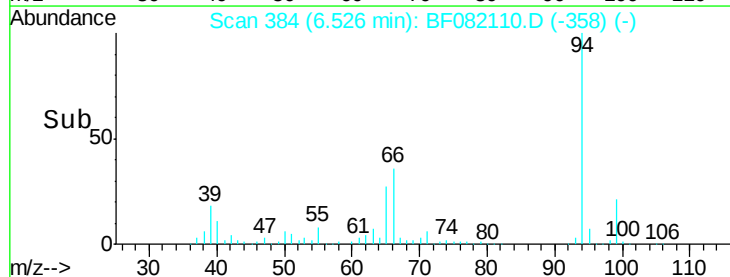
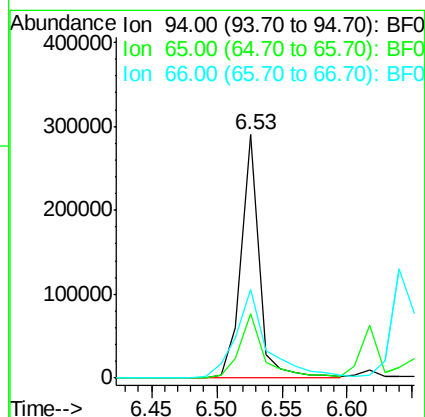
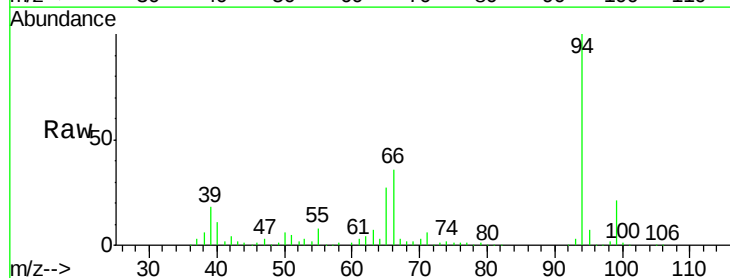
Tgt Ion: 94 Resp: 280603

Ion Ratio Lower Upper

94 100

65 26.7 0.7 40.7

66 36.4 0.8 40.8

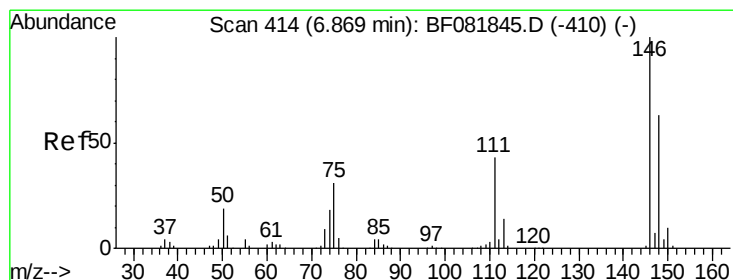
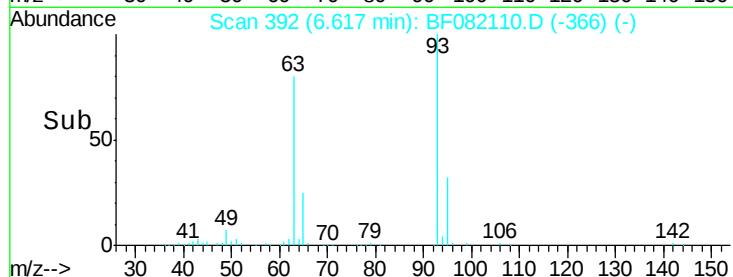
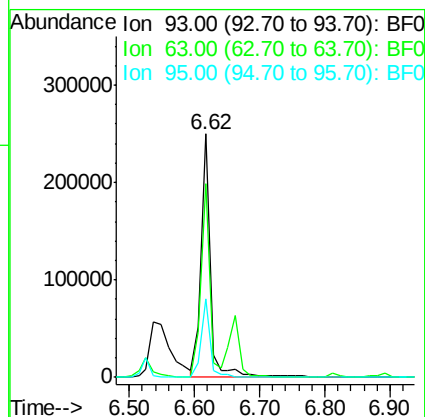
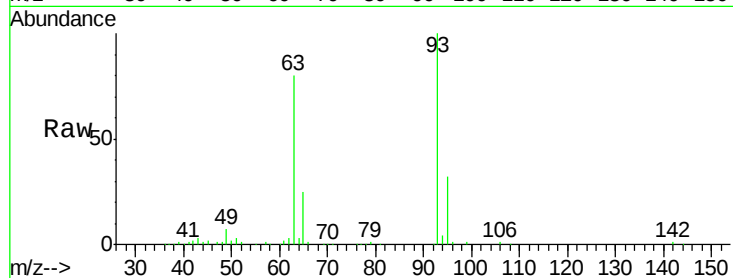




#11
bis(2-Chloroethyl)ether
Concen: 49.58 ng
RT: 6.62 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

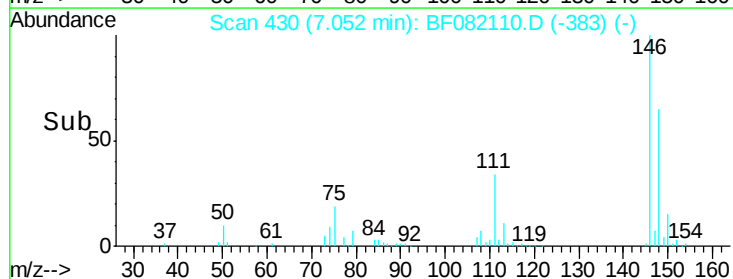
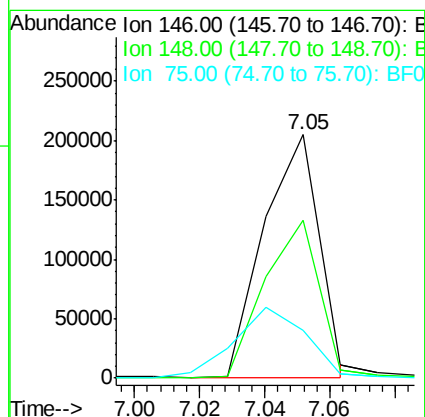
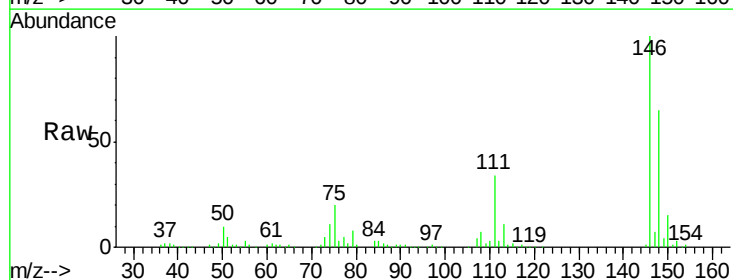
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

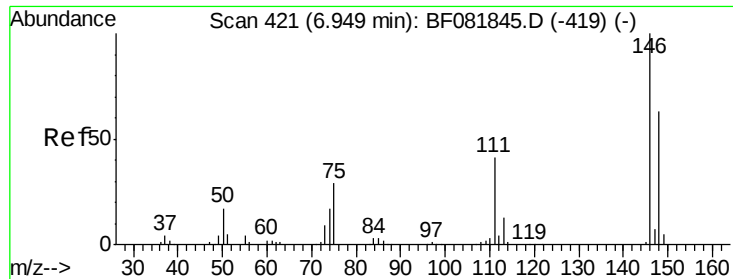
Tot Ion: 93 Resp: 245399
Ion Ratio Lower Upper
93 100
63 79.8 65.6 105.6
95 32.5 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 40.81 ng
RT: 7.05 min Scan# 430
Delta R.T. 0.24 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion: 146 Resp: 240674
Ion Ratio Lower Upper
146 100
148 65.0 51.0 76.4
75 19.7 15.0 22.6

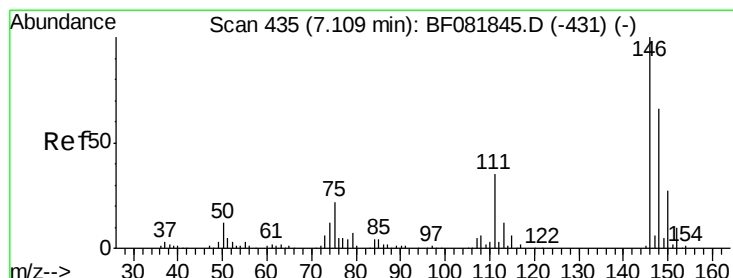
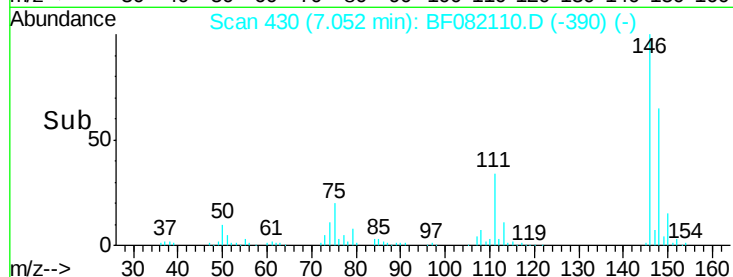
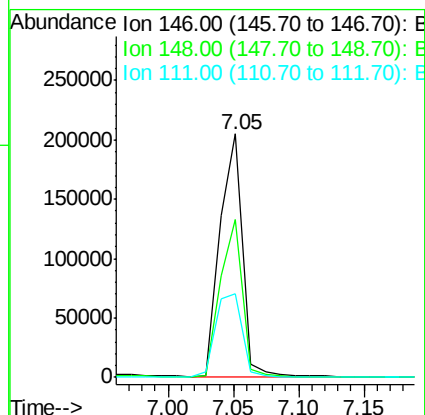
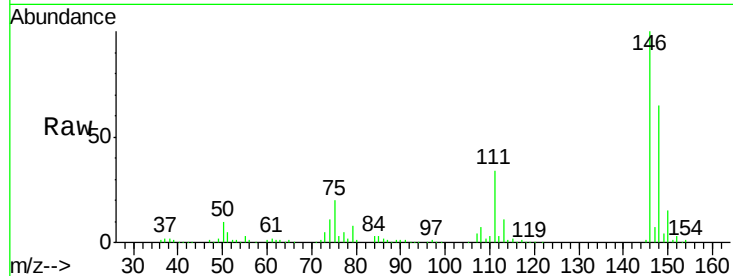




#13
 1,4-Dichlorobenzene
 Concen: 40.10 ng
 RT: 7.05 min Scan# 430
 Delta R.T. 0.16 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

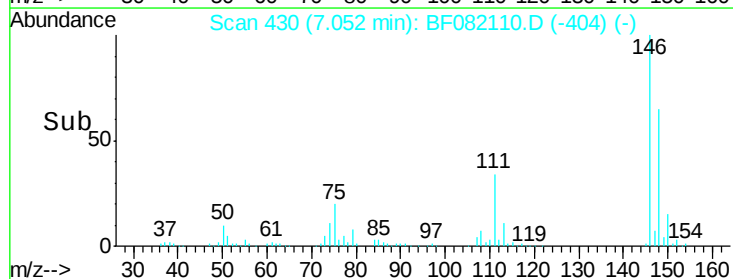
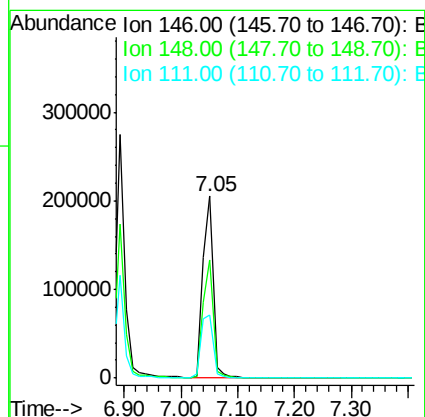
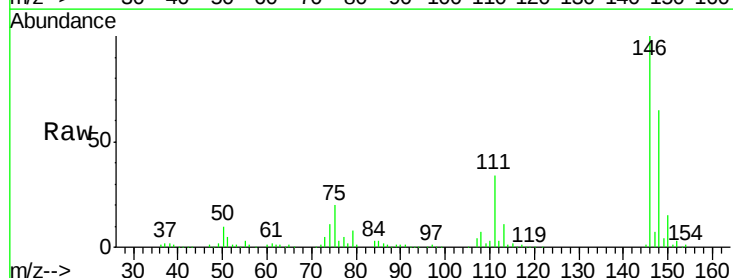
Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

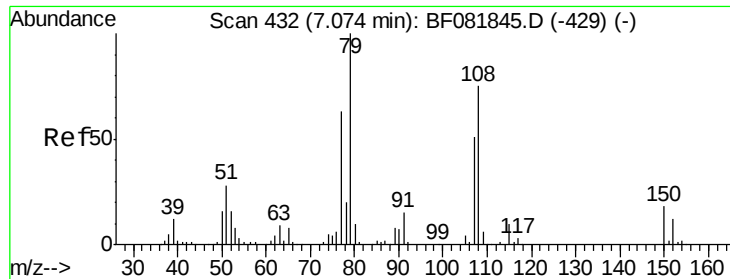
Tot Ion:146 Resp: 246923
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.8 77.6
 111 34.5 24.9 37.3



#14
 1,2-Dichlorobenzene
 Concen: 46.36 ng
 RT: 7.05 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:146 Resp: 254396
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.7 79.1
 111 34.5 28.8 43.2

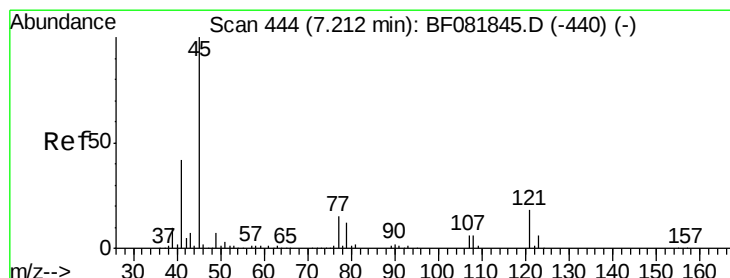
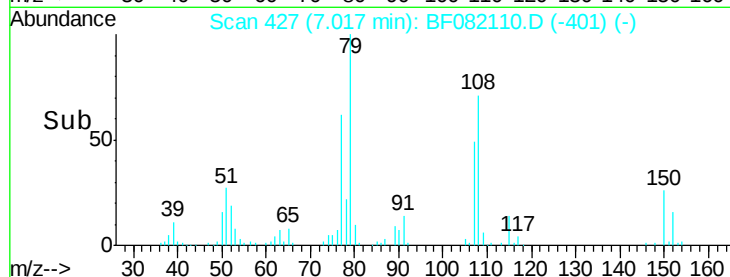
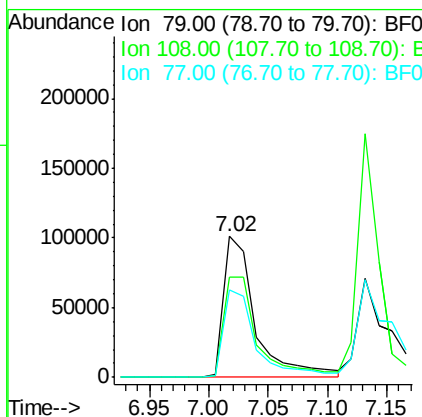
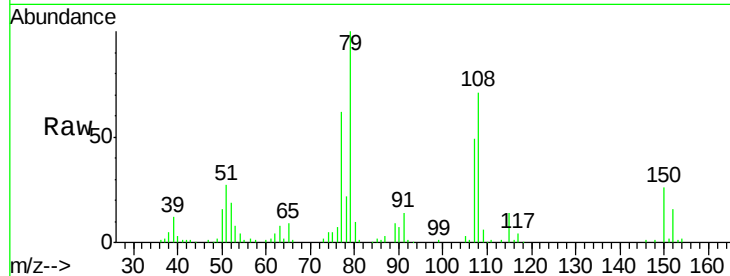




#15
Benzyl Alcohol
Concen: 45.70 ng
RT: 7.02 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

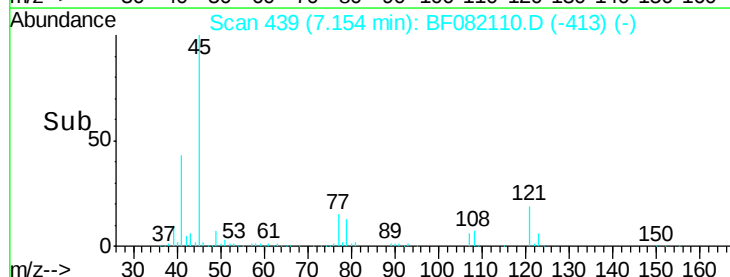
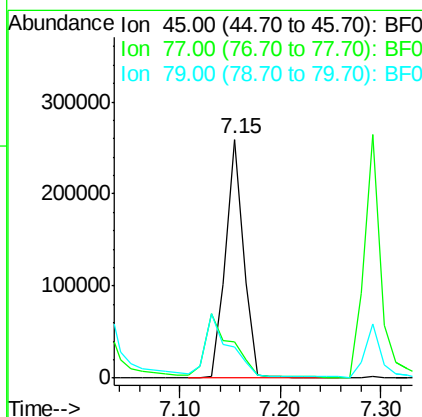
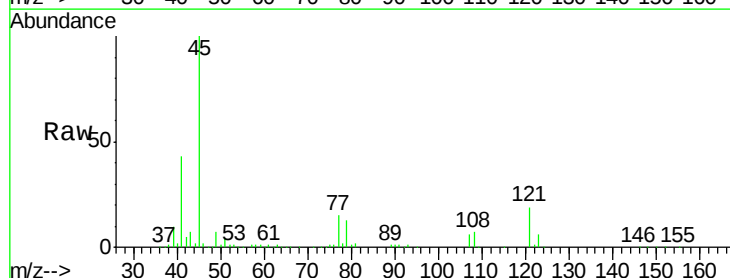
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion: 79 Resp: 187687
Ion Ratio Lower Upper
79 100
108 71.0 88.6 132.8#
77 61.7 47.0 70.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.71 ng
RT: 7.15 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion: 45 Resp: 326805
Ion Ratio Lower Upper
45 100
77 15.4 0.0 28.1
79 12.9 0.0 26.0





#17

2-Methylphenol

Concen: 46.59 ng

RT: 7.13 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

Tot Ion:107 Resp: 188573

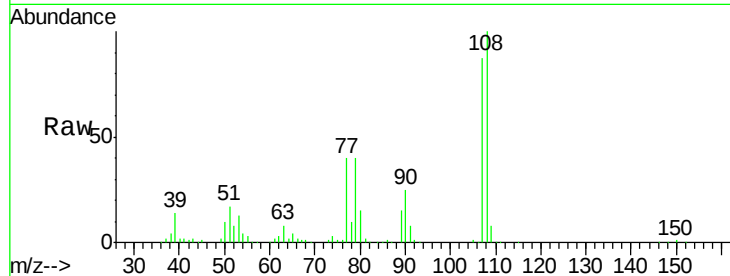
Ion Ratio Lower Upper

107 100

108 115.5 96.6 145.0

77 46.7 23.3 34.9#

79 46.7 22.0 33.0#

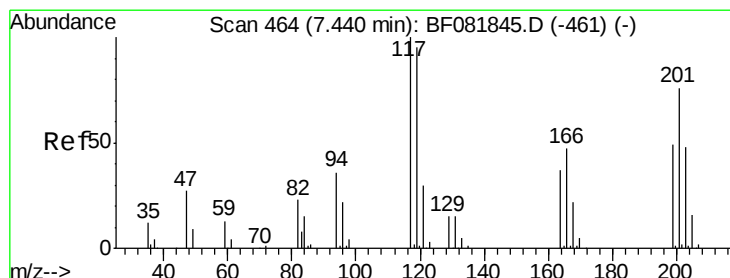
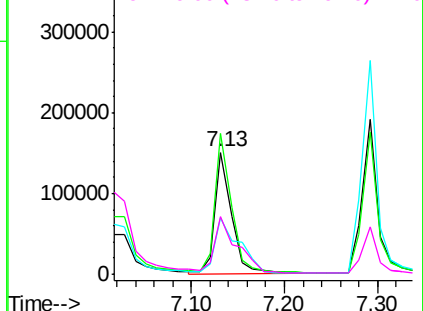
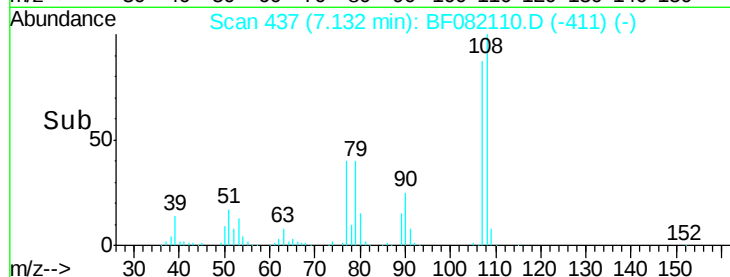


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 46.85 ng

RT: 7.38 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

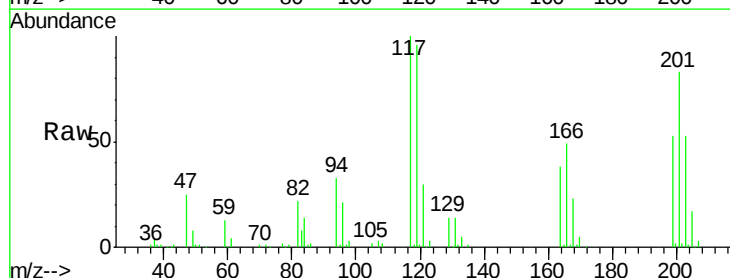
Tgt Ion:117 Resp: 90313

Ion Ratio Lower Upper

117 100

119 96.0 83.8 125.6

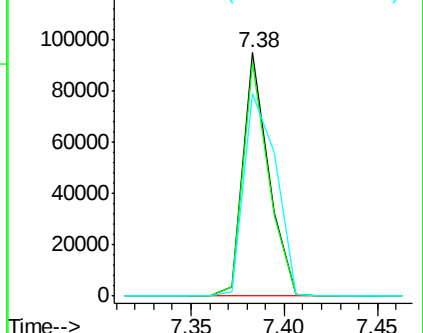
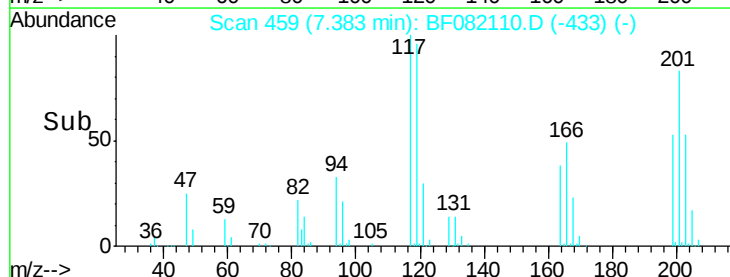
201 83.4 55.1 82.7#

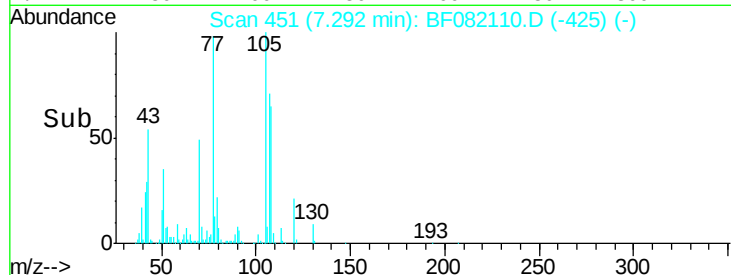
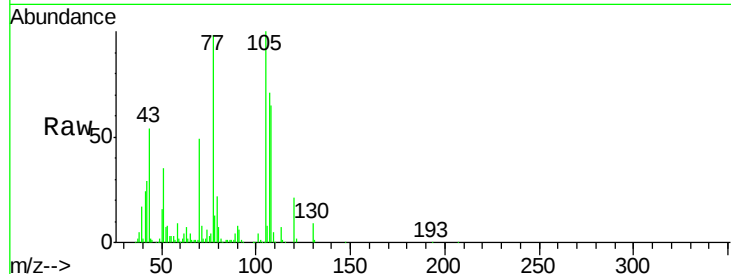


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

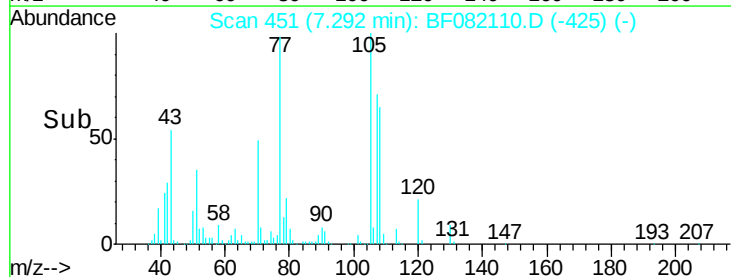
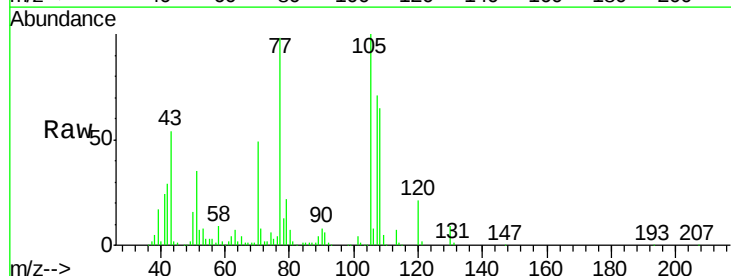
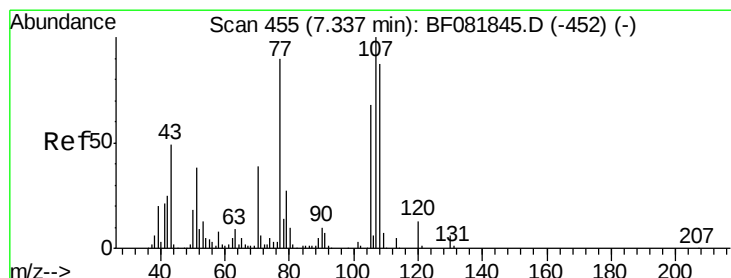
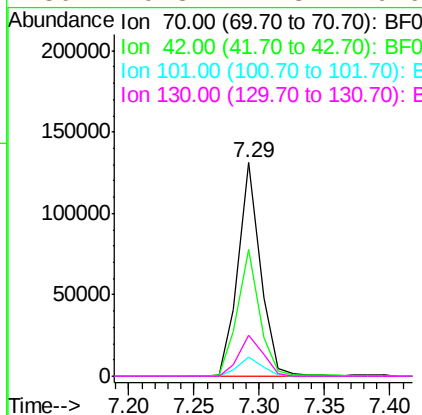




#19
n-Nitroso-di-n-propylamine
Concen: 45.36 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

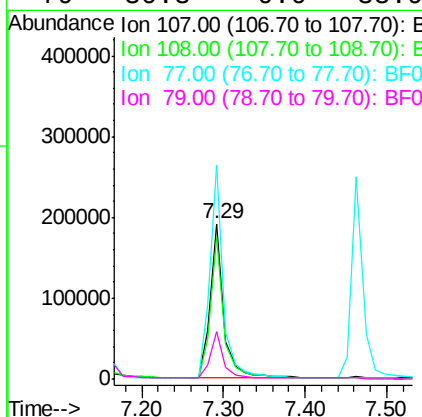
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

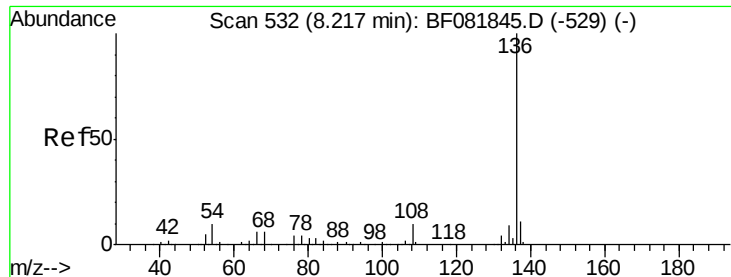
Tot Ion:	70	Resp:	156836
Ion	Ratio	Lower	Upper
70	100		
42	59.3	63.8	95.6#
101	9.2	9.2	13.8
130	19.3	27.3	40.9#



#20
3+4-Methylphenols
Concen: 44.94 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:	107	Resp:	229744
Ion	Ratio	Lower	Upper
107	100		
108	91.7	74.6	114.6
77	137.3	0.7	40.7#
79	30.3	0.0	38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

Tot Ion:136 Resp: 323878

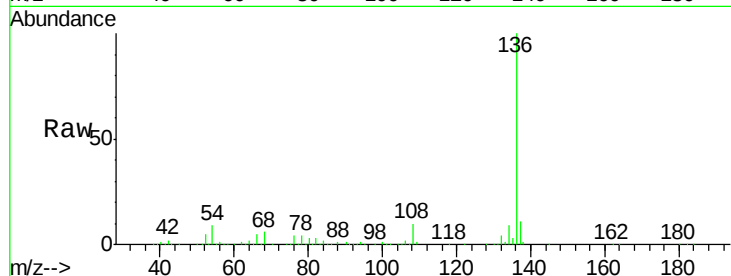
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 8.8 8.2 12.2

68 5.8 5.8 8.6

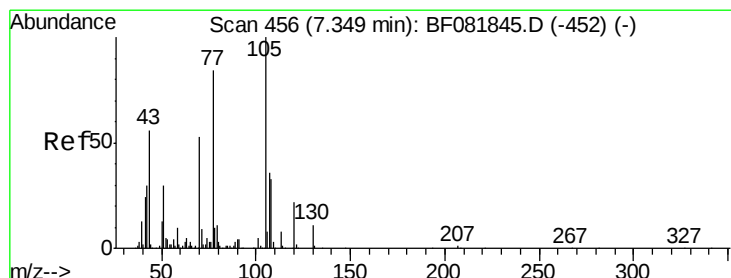
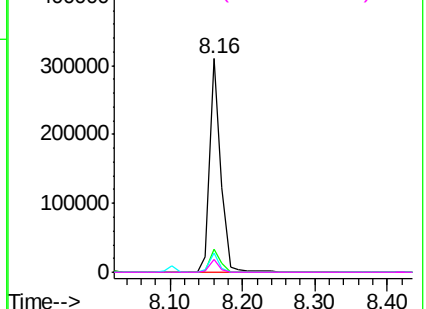
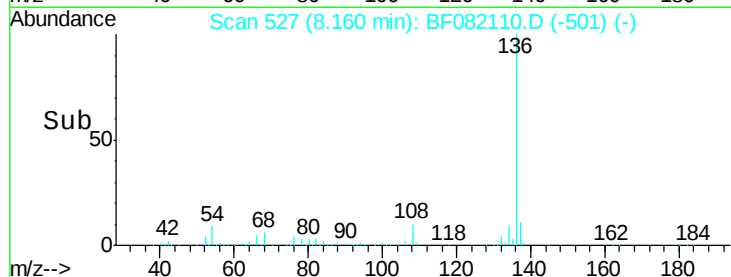


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 49.15 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Tgt Ion:105 Resp: 325442

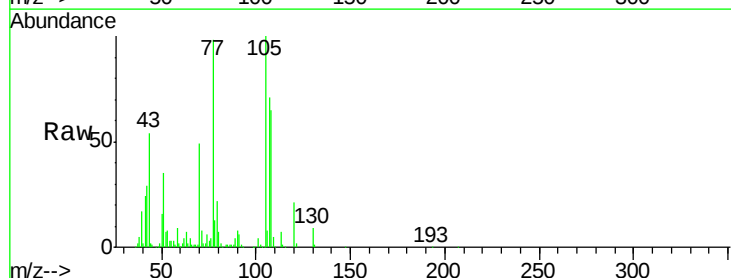
Ion Ratio Lower Upper

105 100

71 8.0 4.7 7.1#

51 35.1 22.0 33.0#

120 20.8 30.1 45.1#

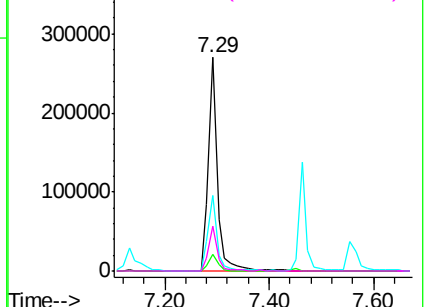
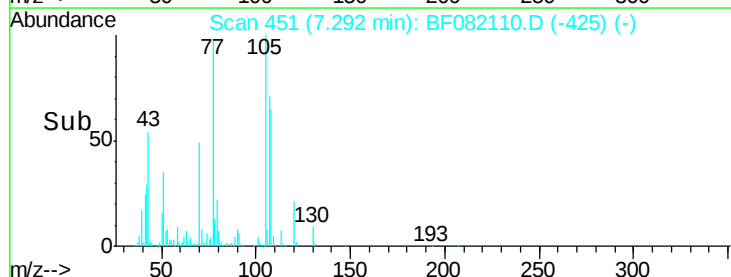


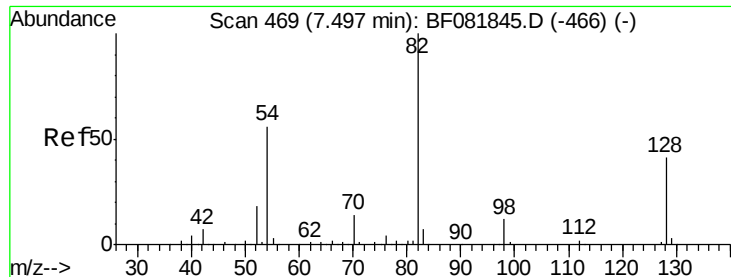
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

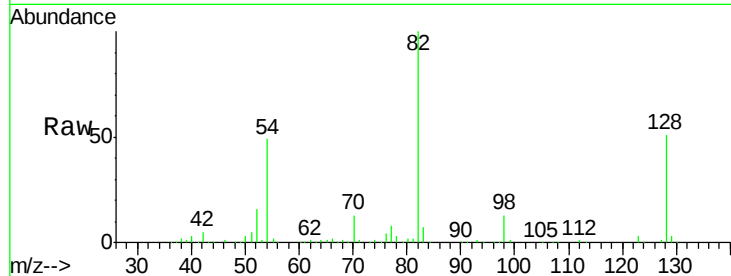




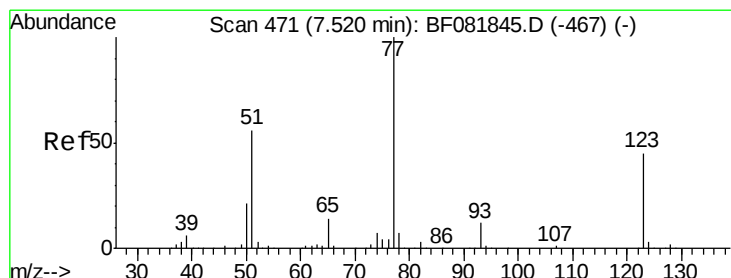
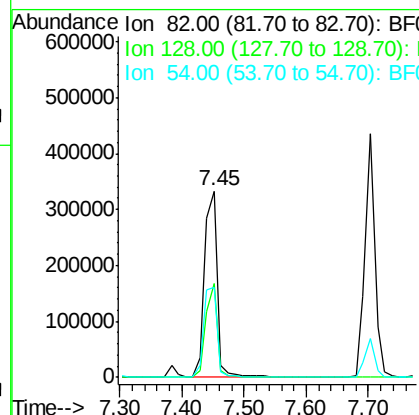
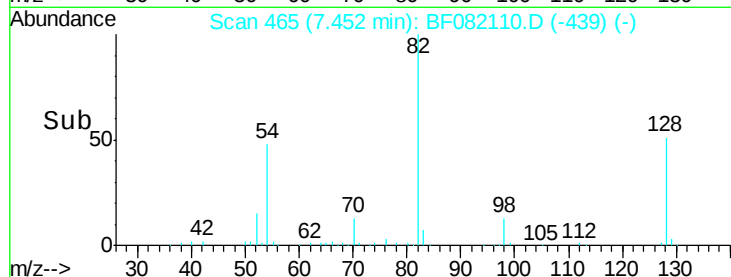
#23
 Nitrobenzene-d5
 Concen: 100.07 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion: 82 Resp: 486200
 Ion Ratio Lower Upper
 82 100
 128 50.6 51.0 76.6#
 54 48.7 47.5 71.3

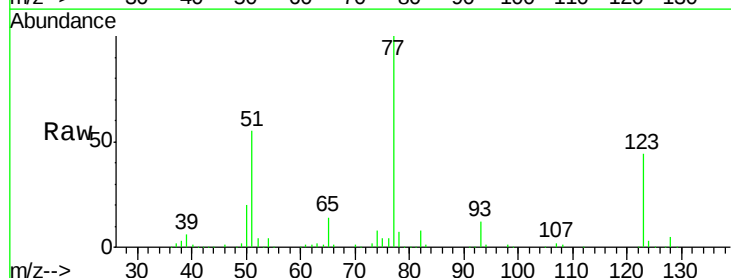


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

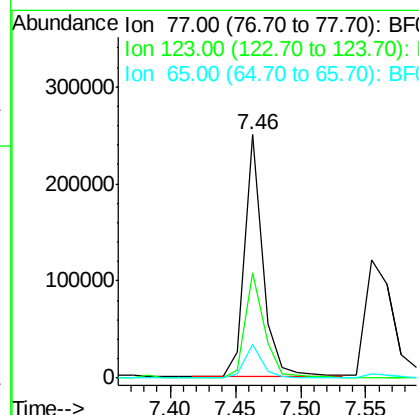
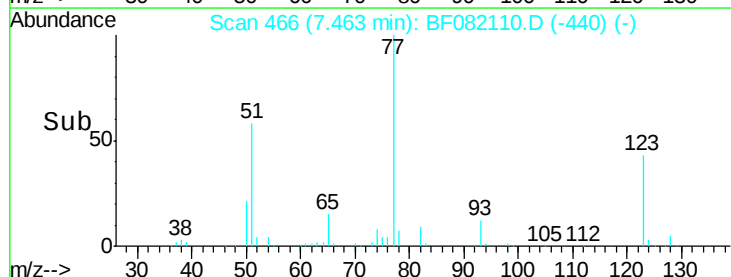


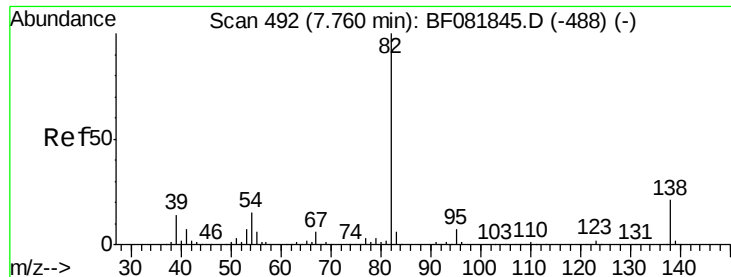
#24
 Nitrobenzene
 Concen: 45.29 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion: 77 Resp: 238962
 Ion Ratio Lower Upper
 77 100
 123 43.5 59.8 89.8#
 65 13.7 10.2 15.4



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





#25

Isophorone

Concen: 48.61 ng

RT: 7.70 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

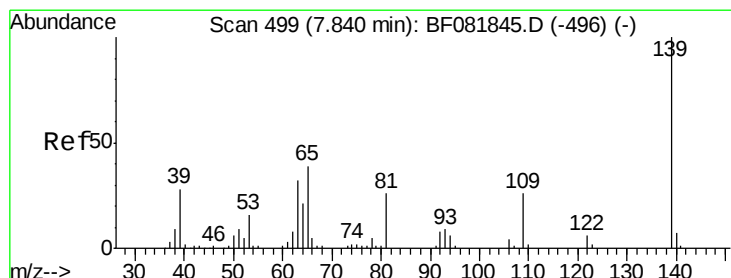
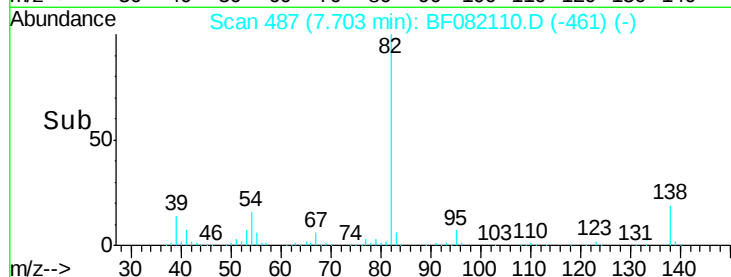
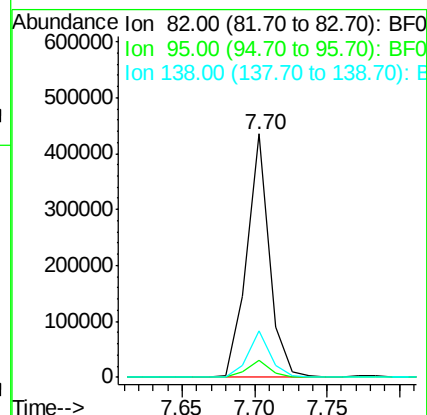
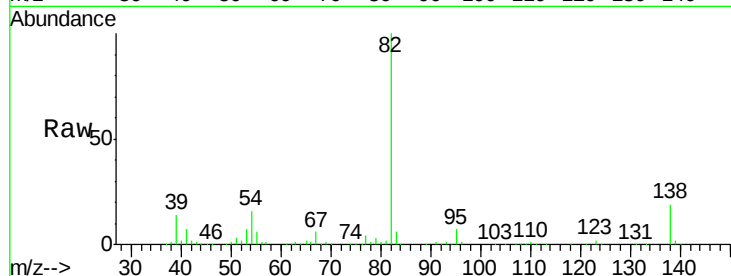
Tot Ion: 82 Resp: 468148

Ion Ratio Lower Upper

82 100

95 6.9 4.0 6.0#

138 19.0 18.3 27.5



#26

2-Nitrophenol

Concen: 53.92 ng

RT: 7.78 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

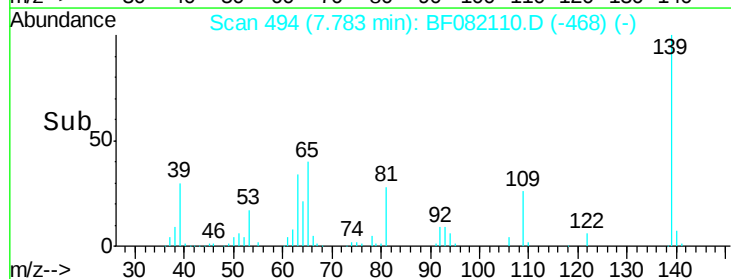
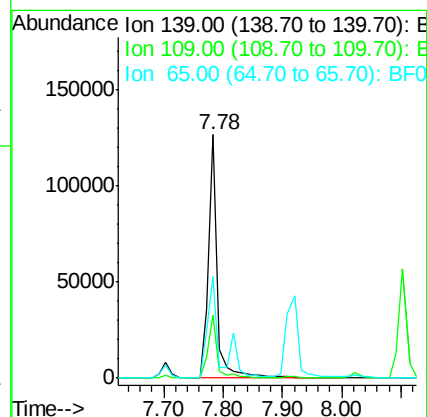
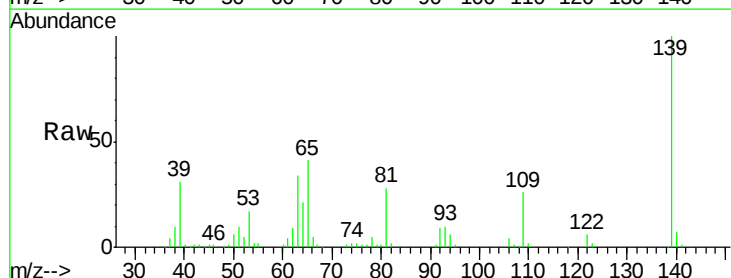
Tgt Ion: 139 Resp: 136561

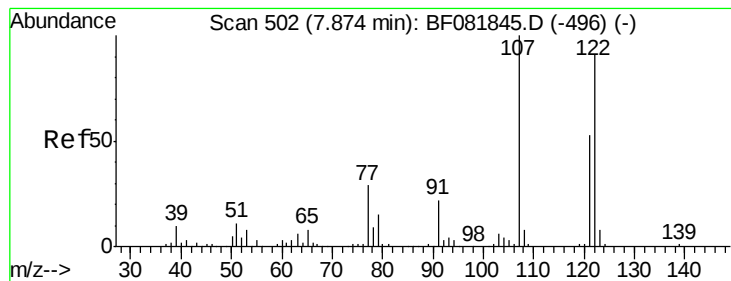
Ion Ratio Lower Upper

139 100

109 25.7 11.0 16.4#

65 41.5 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 49.02 ng

RT: 7.82 min Scan# 497

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

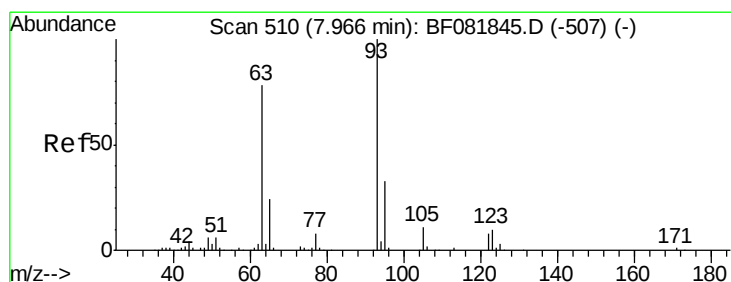
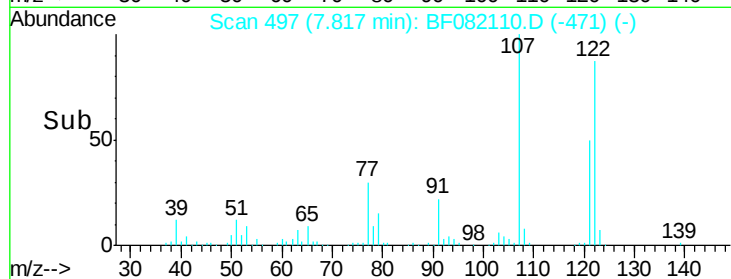
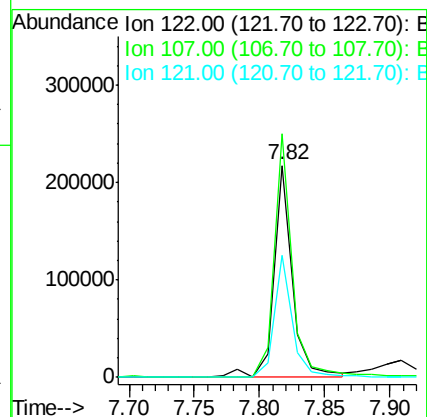
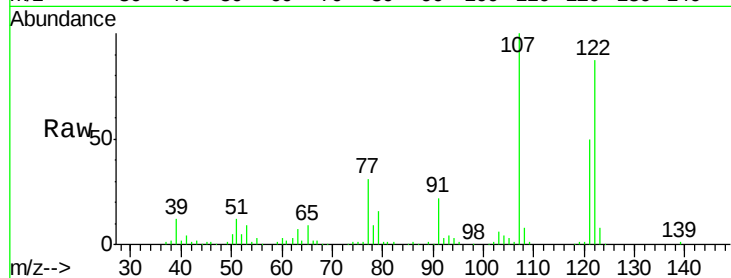
Tot Ion:122 Resp: 218373

Ion Ratio Lower Upper

122 100

107 114.9 71.8 107.6#

121 57.4 42.3 63.5



#28

bis(2-Chloroethoxy)methane

Concen: 49.99 ng

RT: 7.92 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

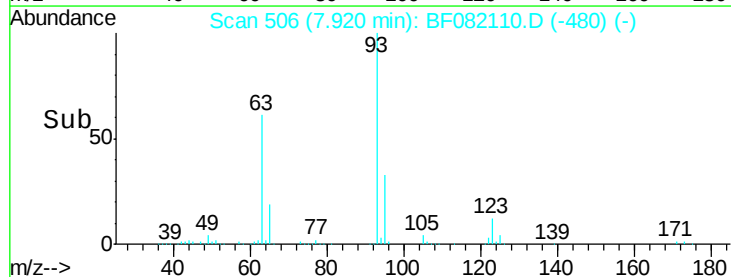
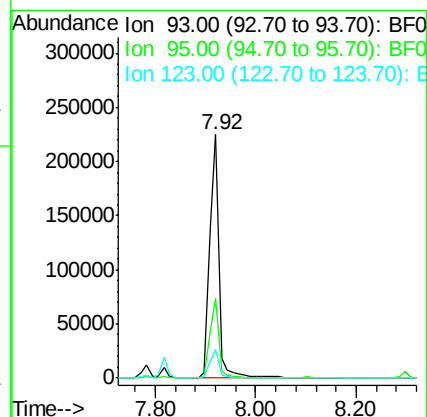
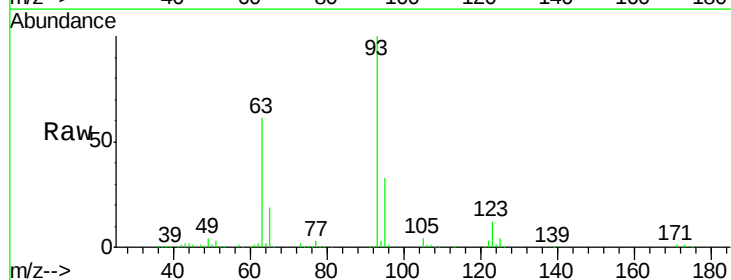
Tgt Ion: 93 Resp: 285903

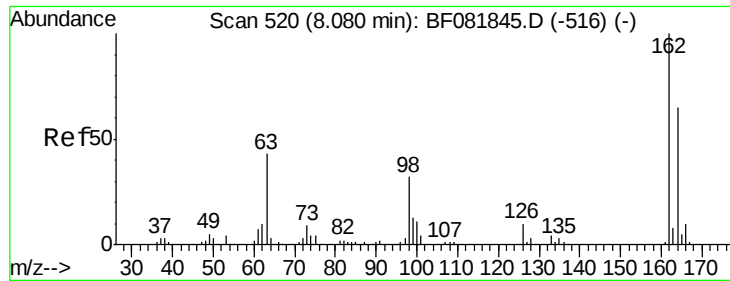
Ion Ratio Lower Upper

93 100

95 33.0 27.5 41.3

123 12.0 13.7 20.5#

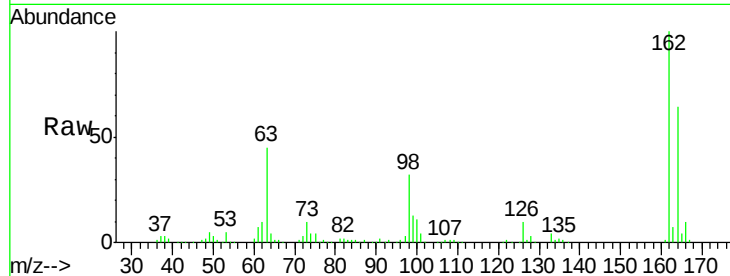




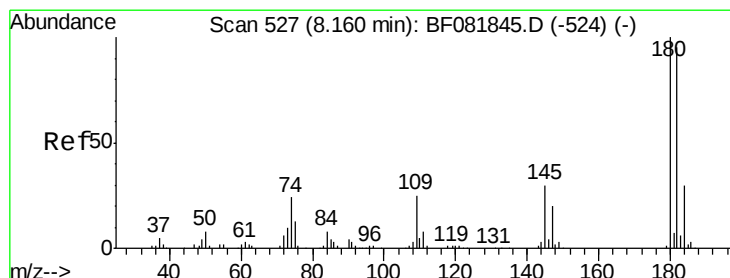
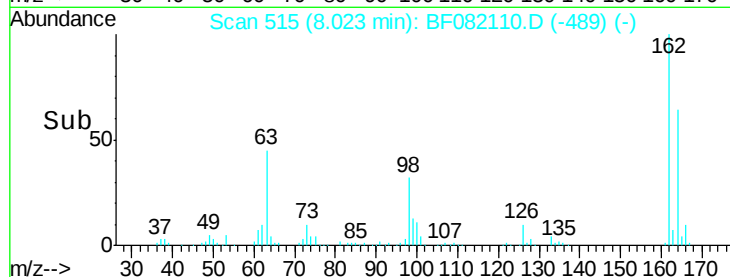
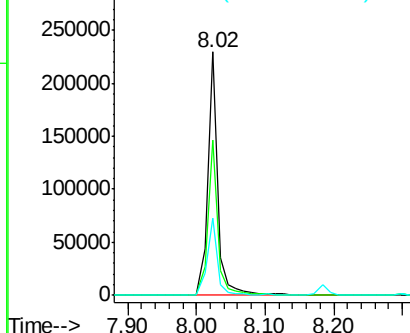
#29
2,4-Dichlorophenol
Concen: 54.27 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.9	84.9
98	31.9	13.0	53.0

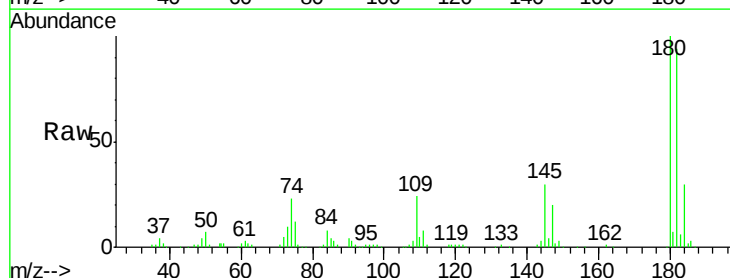


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

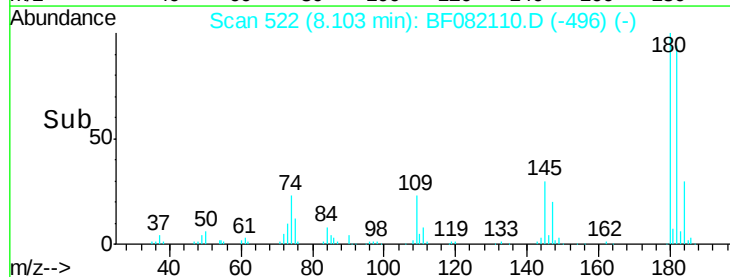
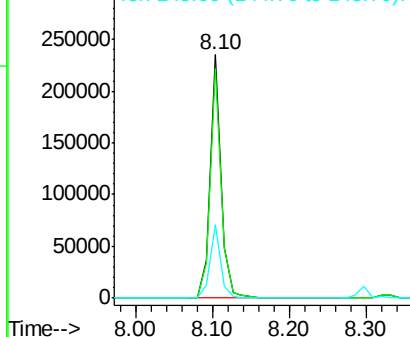


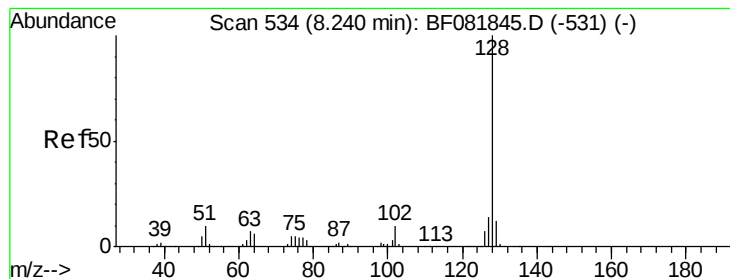
#30
1,2,4-Trichlorobenzene
Concen: 47.52 ng
RT: 8.10 min Scan# 522
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.1	115.7
145	30.4	23.3	34.9



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: 47.77 ng

RT: 8.18 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

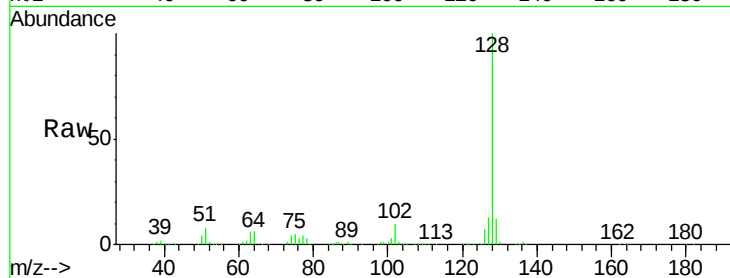
Tot Ion:128 Resp: 685516

Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

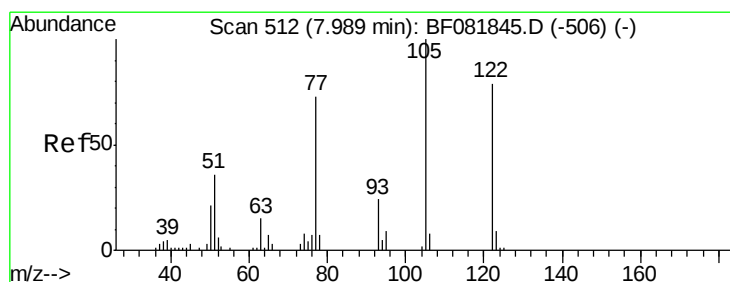
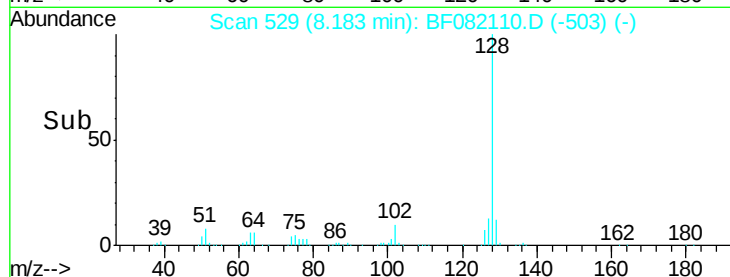
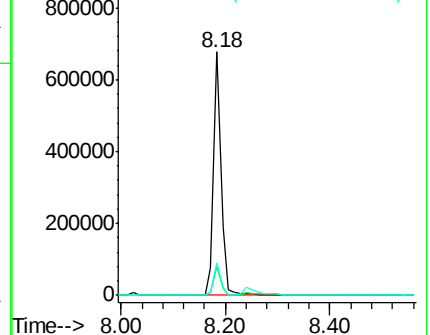
127 13.3 9.9 14.9



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: 21.61 ng

RT: 7.91 min Scan# 505

Delta R.T. -0.03 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

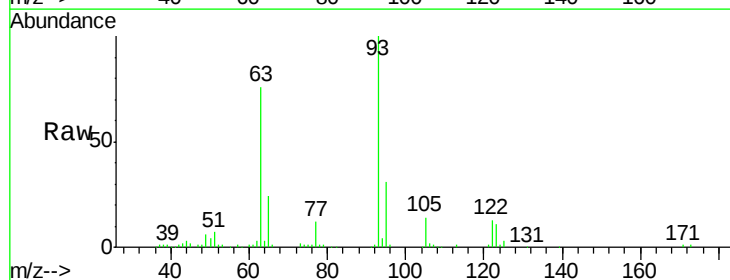
Tgt Ion:122 Resp: 44871

Ion Ratio Lower Upper

122 100

105 114.5 76.1 116.1

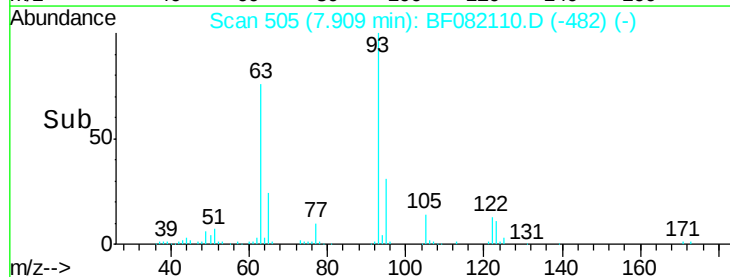
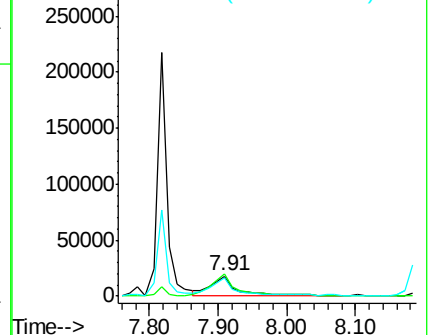
77 92.9 40.5 80.5#

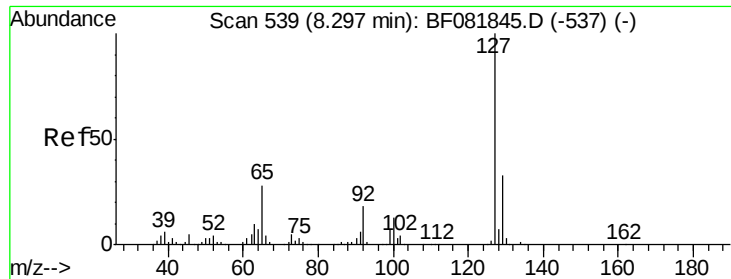


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

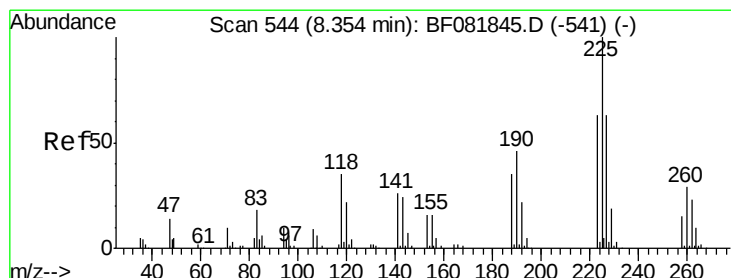
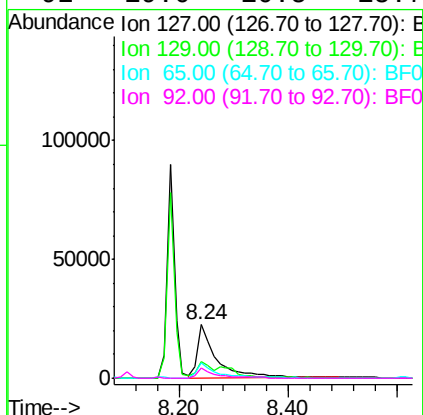
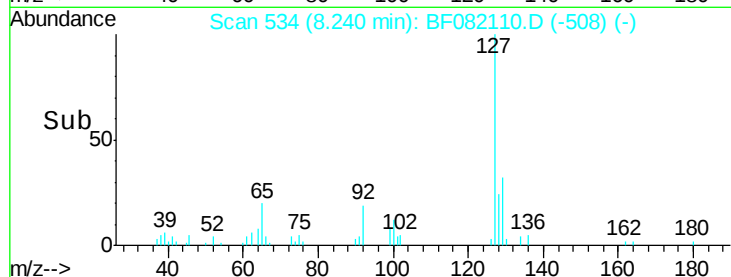
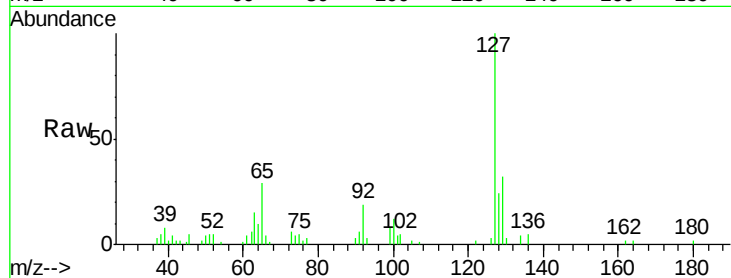




#33
4-Chloroaniline
Concen: 8.78 ng
RT: 8.24 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

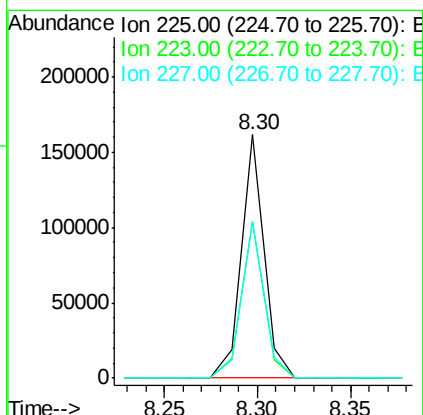
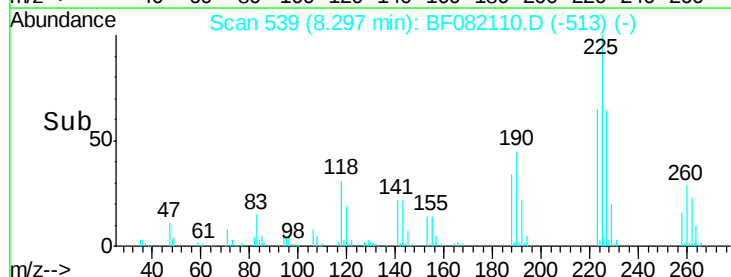
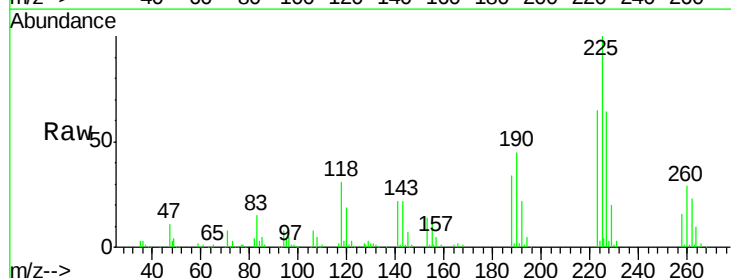
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

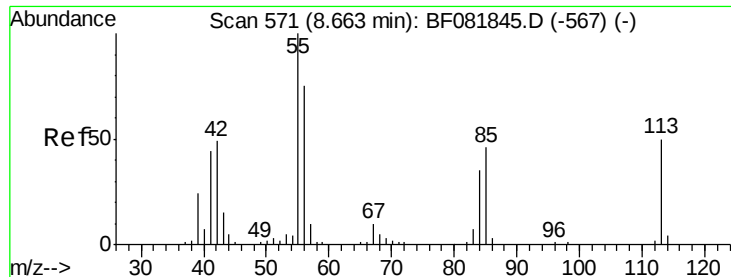
Tot Ion:	127	Resp:	54515
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.2	17.9	26.9
92	19.0	10.5	15.7



#34
Hexachlorobutadiene
Concen: 48.37 ng
RT: 8.30 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:	225	Resp:	137966
Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.2	75.2
227	64.1	52.2	78.2





#35

Caprolactam

Concen: 23.97 ng

RT: 8.61 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

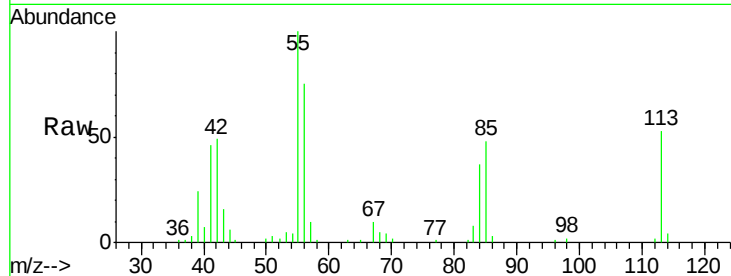
Tot Ion:113 Resp: 28661

Ion Ratio Lower Upper

113 100

55 189.7 152.4 192.4

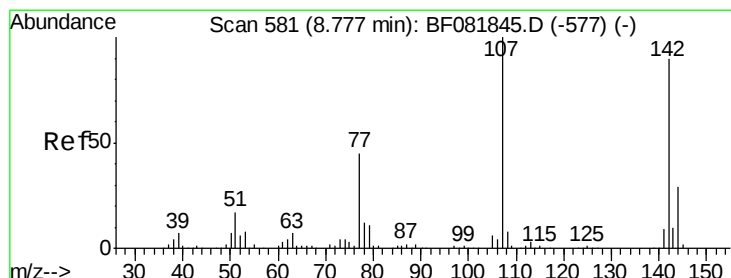
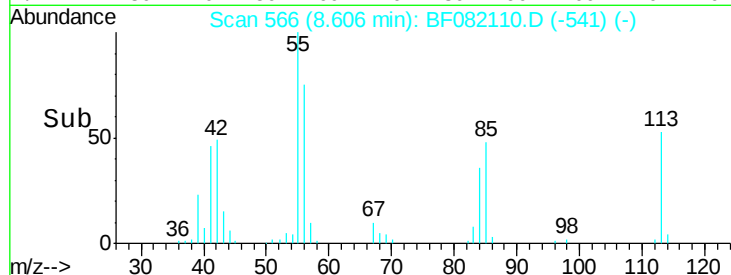
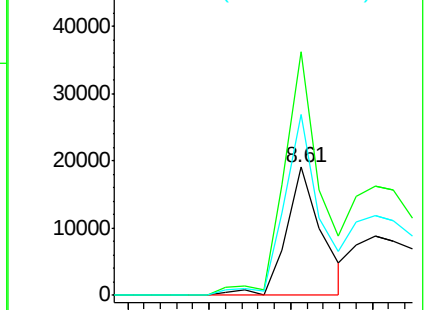
56 141.4 104.6 144.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 51.00 ng

RT: 8.72 min Scan# 576

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

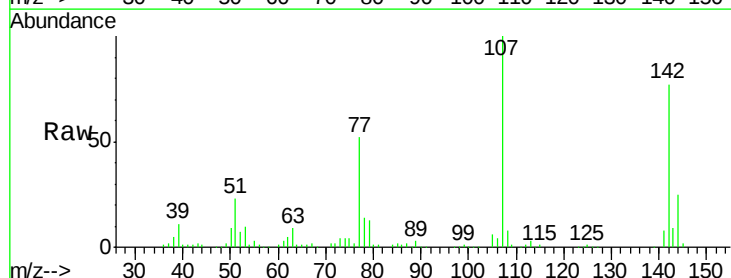
Tgt Ion:107 Resp: 215426

Ion Ratio Lower Upper

107 100

144 25.5 25.4 38.0

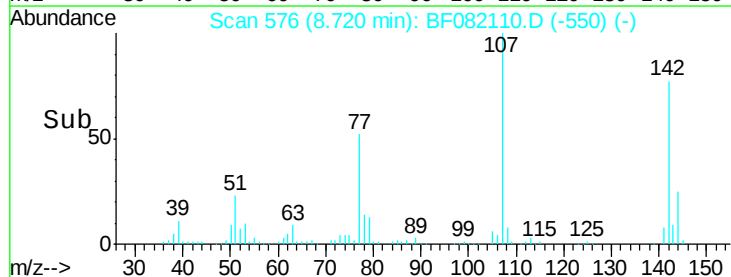
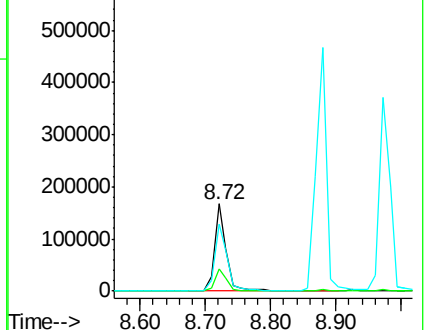
142 77.4 77.3 115.9

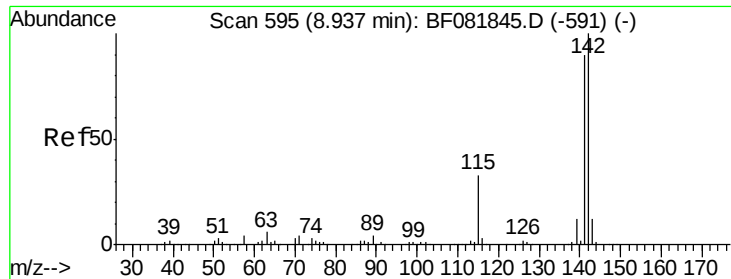


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

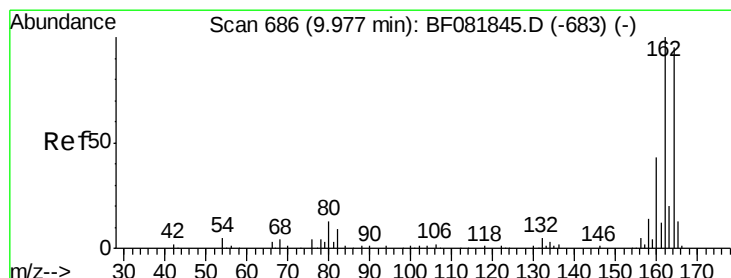
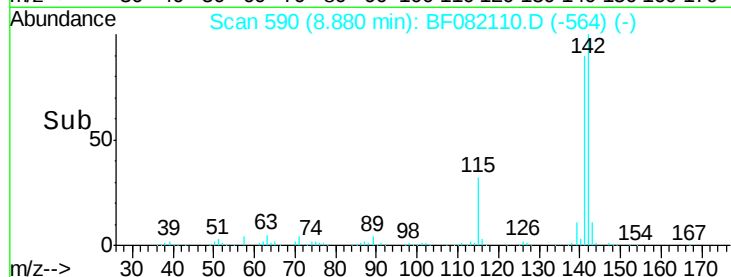
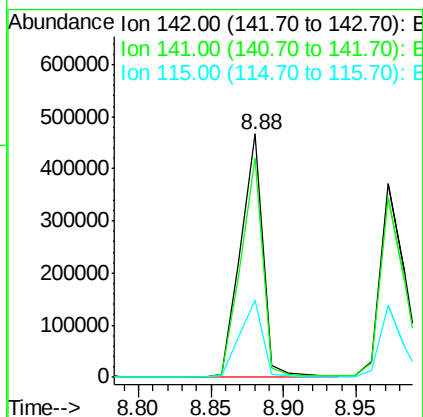
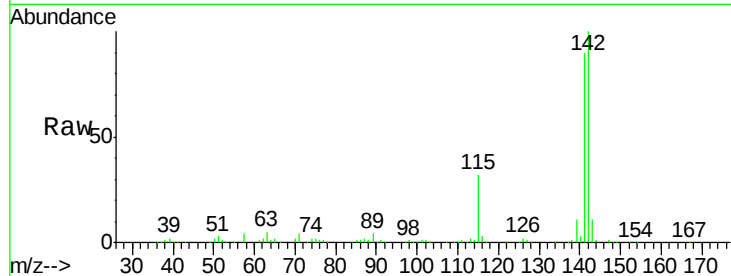




#37
2-Methylnaphthalene
Concen: 51.21 ng
RT: 8.88 min Scan# 590
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

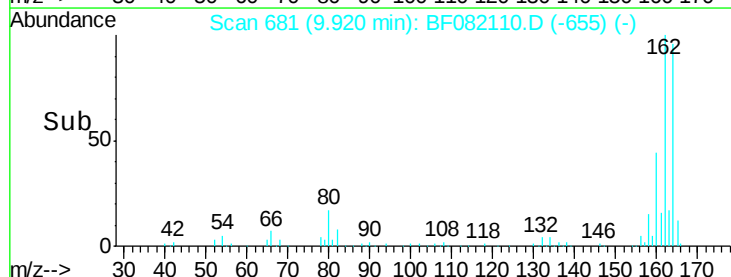
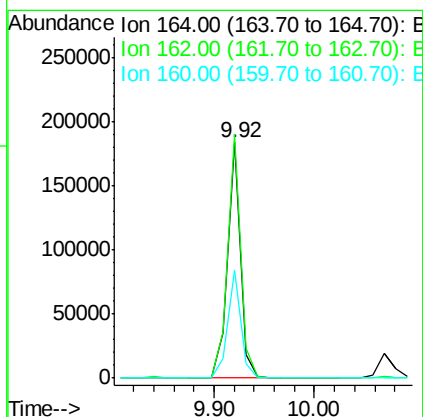
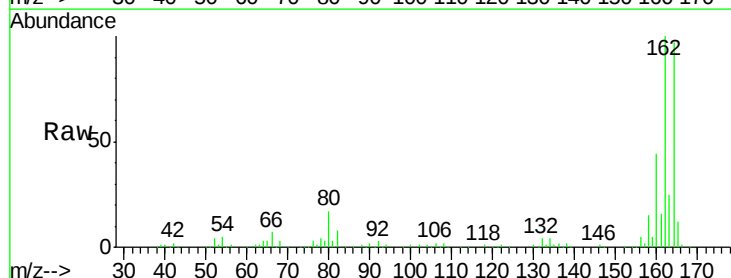
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion:142 Resp: 501678
Ion Ratio Lower Upper
142 100
141 89.9 67.5 101.3
115 31.6 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:164 Resp: 166048
Ion Ratio Lower Upper
164 100
162 103.4 75.2 112.8
160 45.8 31.5 47.3

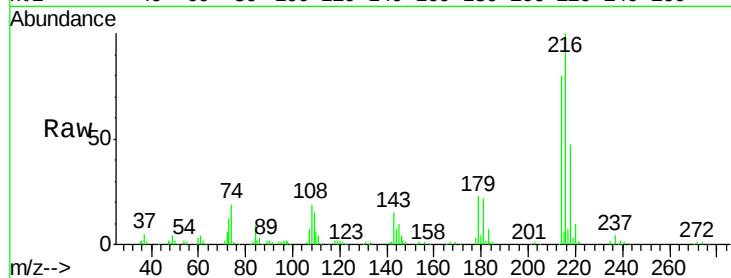




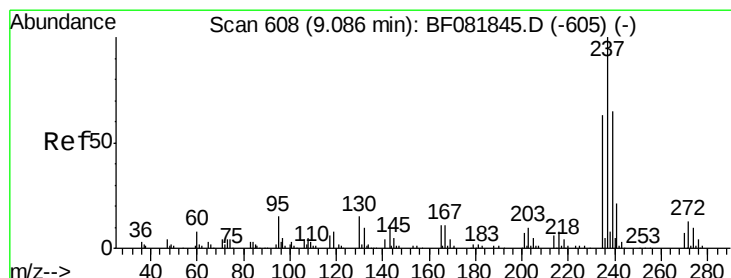
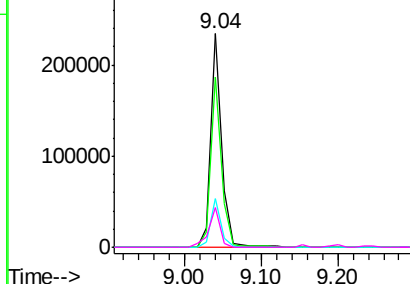
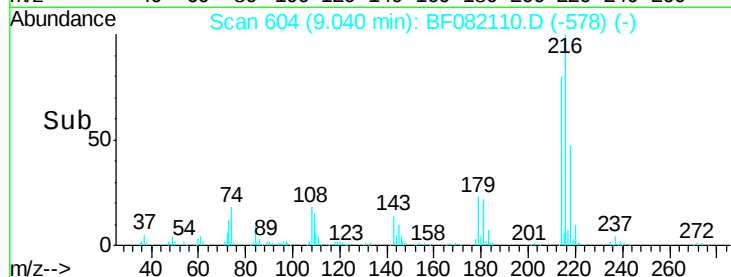
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.78 ng
 RT: 9.04 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:	216	Resp:	228261
Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	21.4	16.6	24.8
108	19.7	16.3	24.5

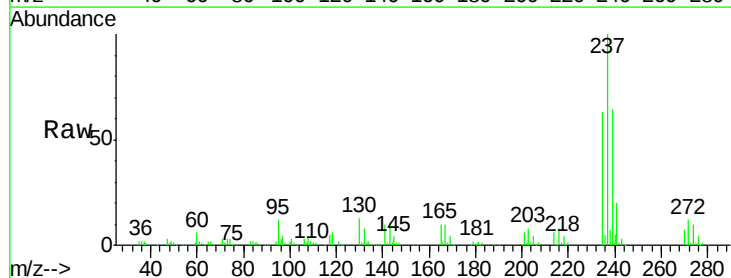


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

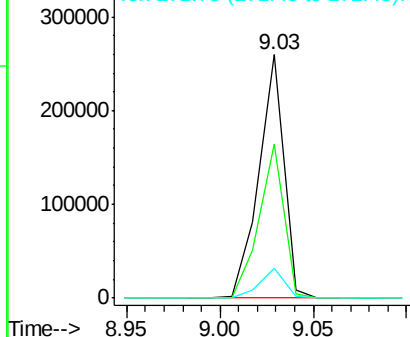
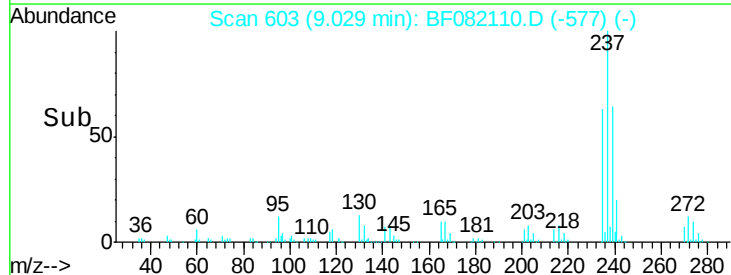


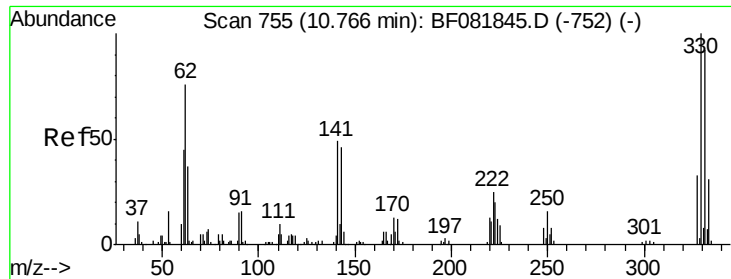
#40
 Hexachlorocyclopentadiene
 Concen: 91.59 ng
 RT: 9.03 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:	237	Resp:	240439
Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.0	82.0
272	12.4	0.0	36.1



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

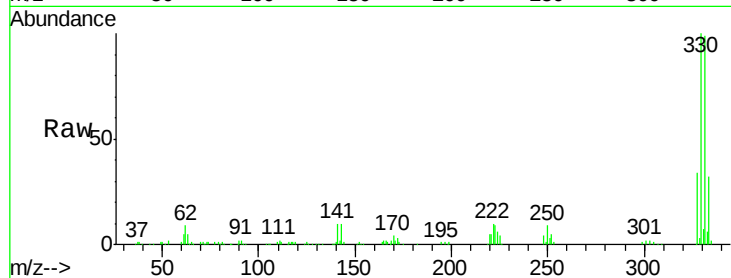




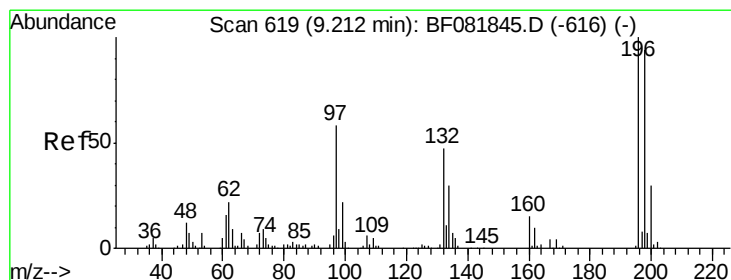
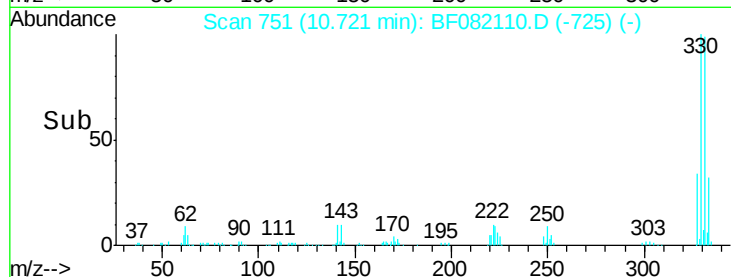
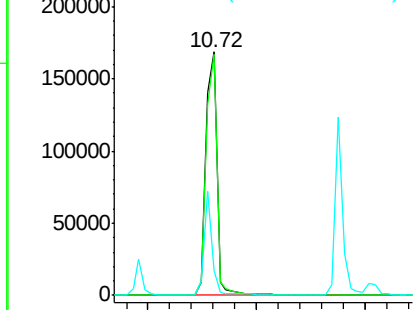
#41
 2,4,6-Tribromophenol
 Concen: 140.97 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:330 Resp: 237062
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 30.5 29.7 44.5

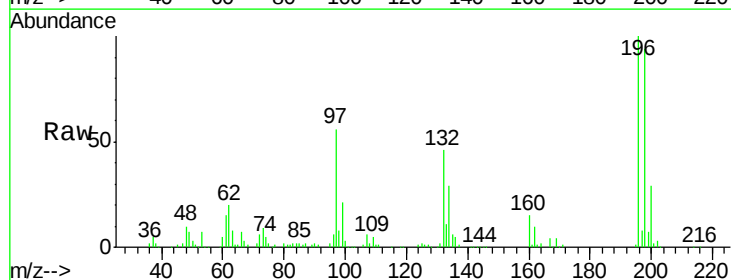


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

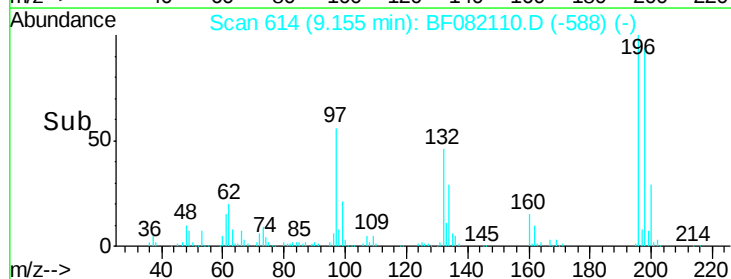
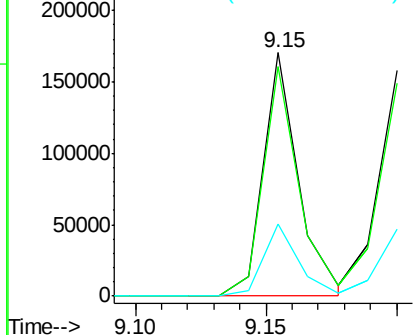


#42
 2,4,6-Trichlorophenol
 Concen: 46.05 ng
 RT: 9.15 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:196 Resp: 160951
 Ion Ratio Lower Upper
 196 100
 198 94.0 75.7 113.5
 200 29.5 23.9 35.9



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

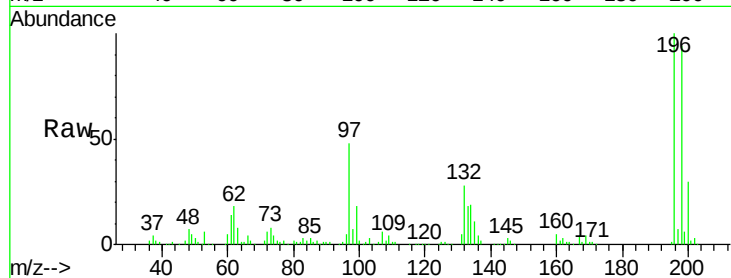




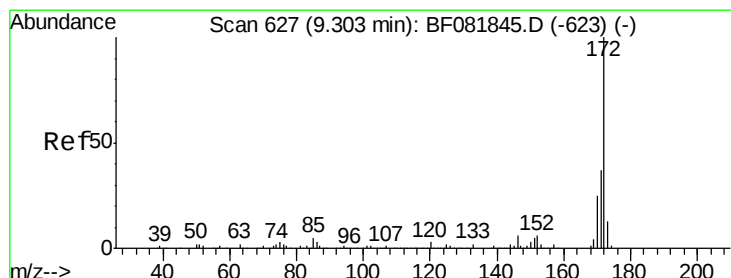
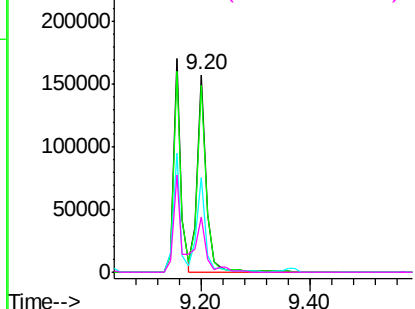
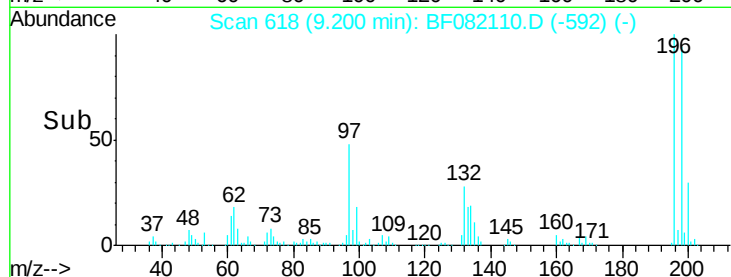
#43
 2,4,5-Trichlorophenol
 Concen: 51.09 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:	196	Resp:	183628
Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.0
97	47.6	33.3	49.9
132	27.9	24.6	37.0

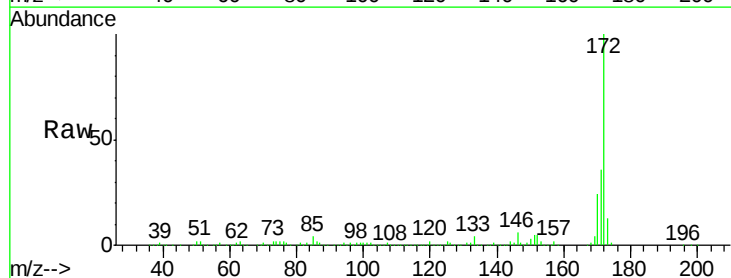


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

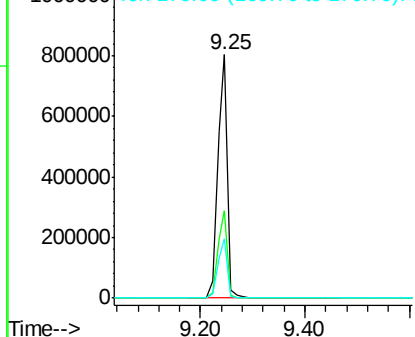
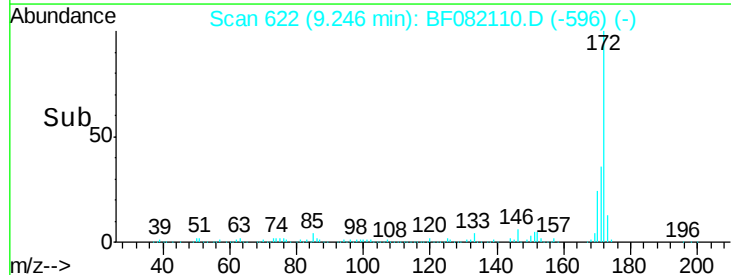


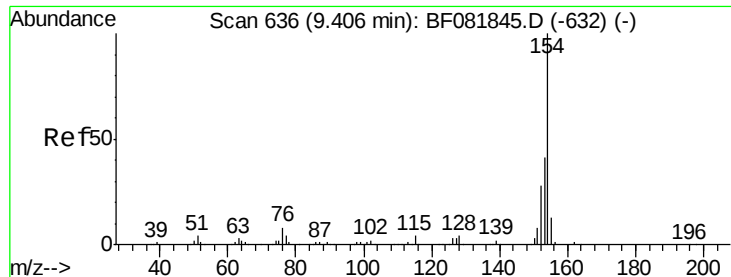
#44
 2-Fluorobiphenyl
 Concen: 106.30 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:	172	Resp:	1004109
Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	24.2	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

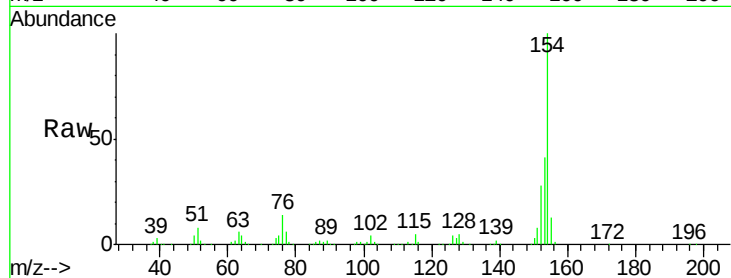




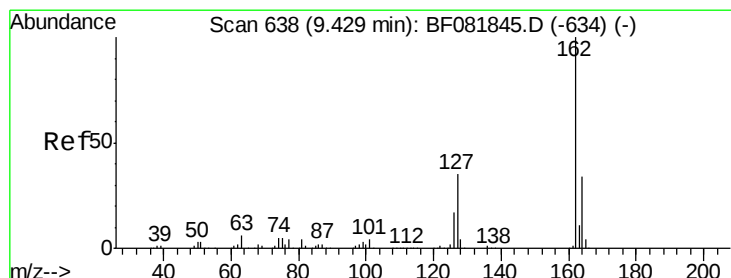
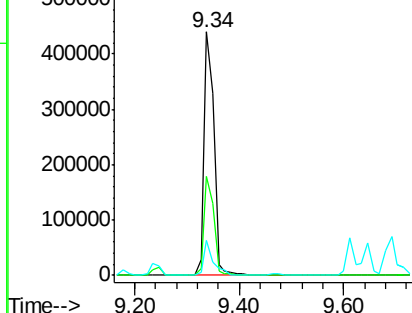
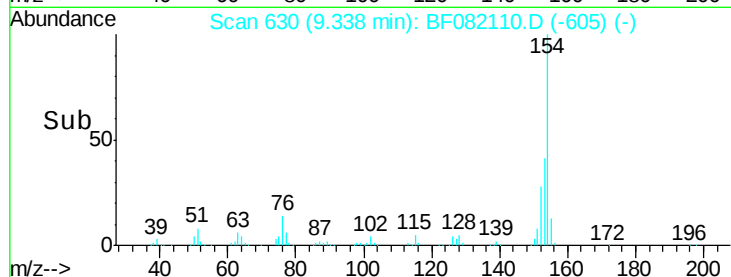
#45
 1,1'-Biphenyl
 Concen: 45.43 ng
 RT: 9.34 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:154 Resp: 581944
 Ion Ratio Lower Upper
 154 100
 153 40.7 17.1 57.1
 76 14.4 0.0 31.6

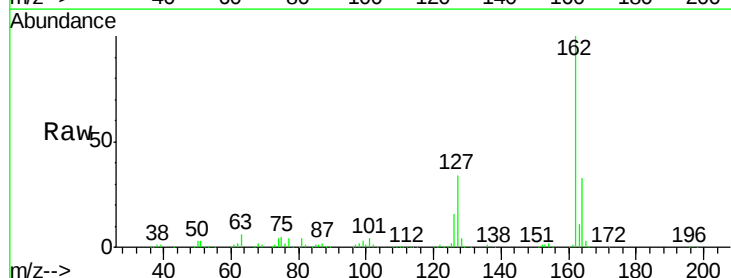


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

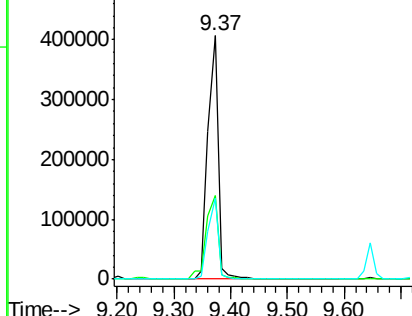
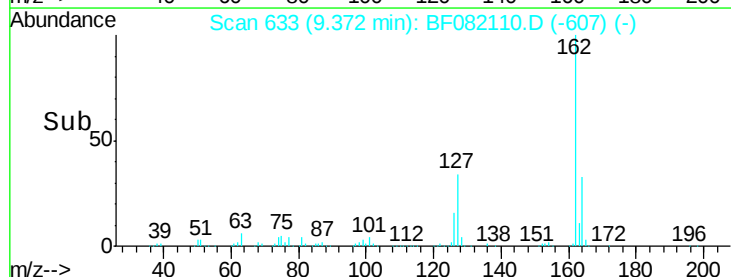


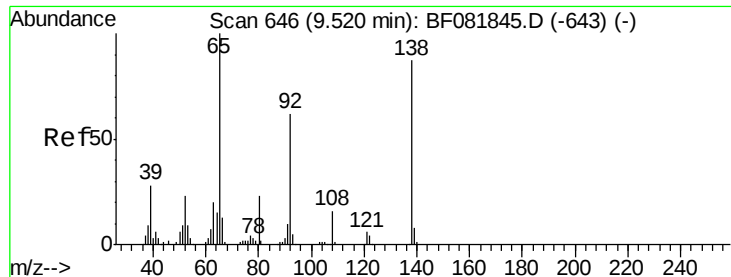
#46
 2-Chloronaphthalene
 Concen: 48.53 ng
 RT: 9.37 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:162 Resp: 488127
 Ion Ratio Lower Upper
 162 100
 127 34.1 27.6 41.4
 164 33.4 25.4 38.2



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

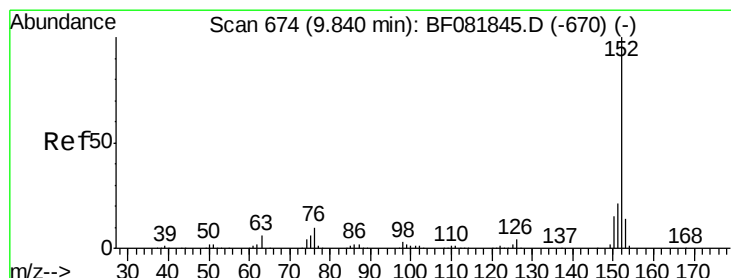
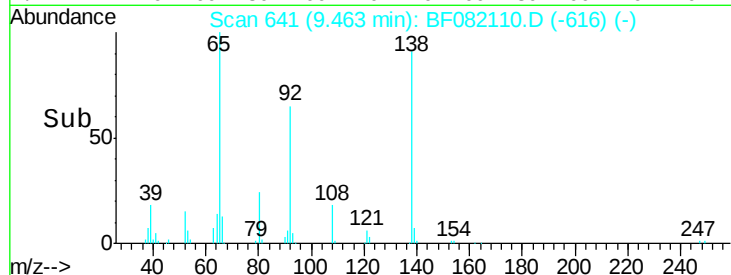
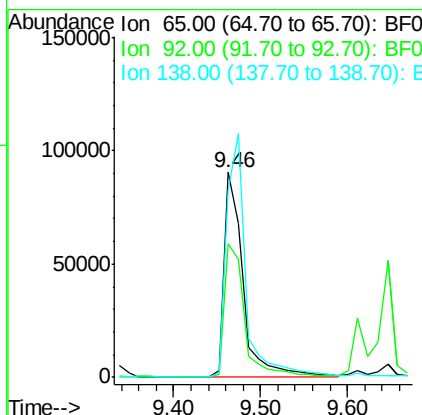
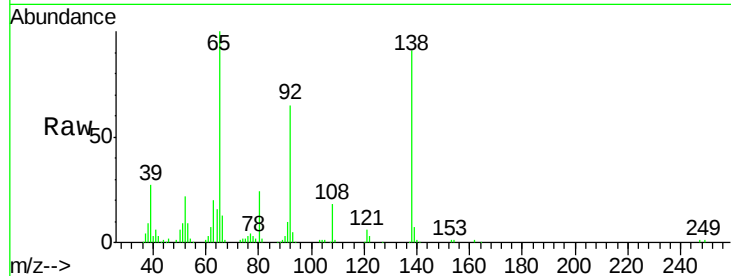




#47
2-Nitroaniline
Concen: 47.14 ng
RT: 9.46 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

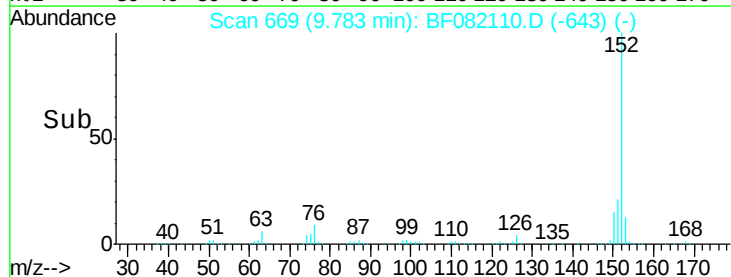
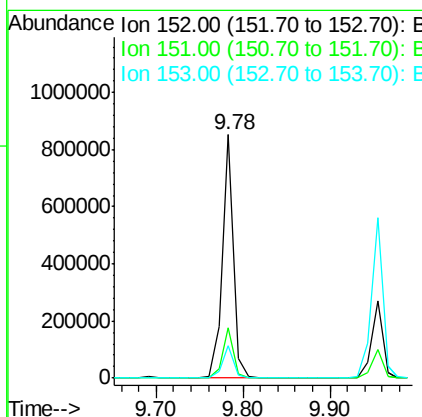
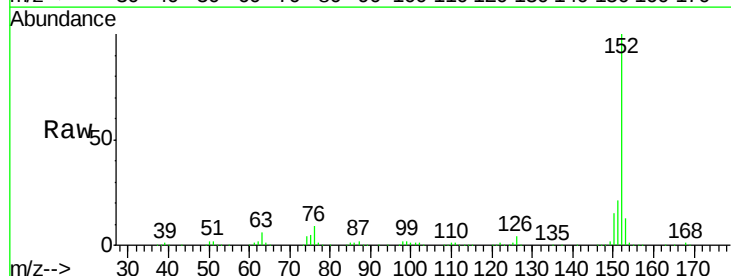
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

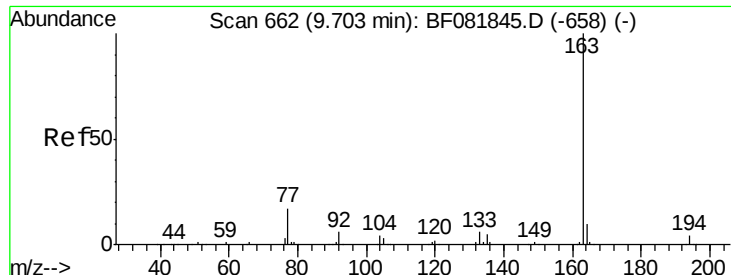
Tot Ion: 65 Resp: 139205
Ion Ratio Lower Upper
65 100
92 65.3 55.4 83.0
138 91.4 115.5 173.3#



#48
Acenaphthylene
Concen: 48.14 ng
RT: 9.78 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion: 152 Resp: 774982
Ion Ratio Lower Upper
152 100
151 20.6 14.6 22.0
153 13.5 10.3 15.5

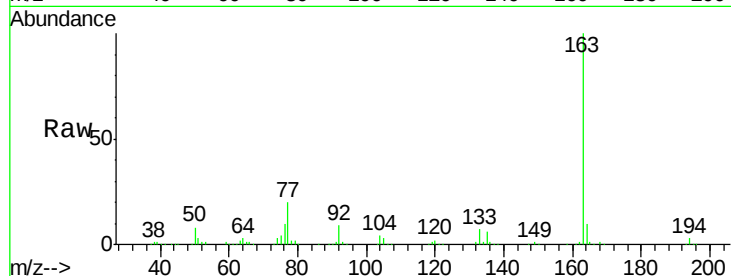




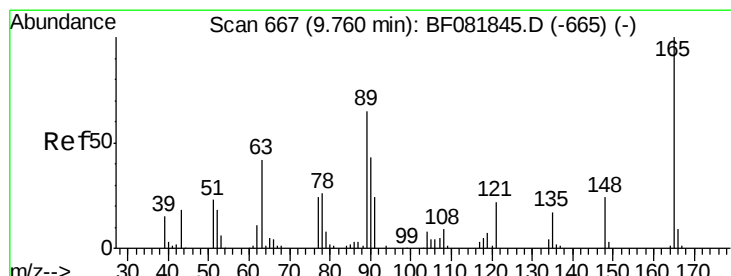
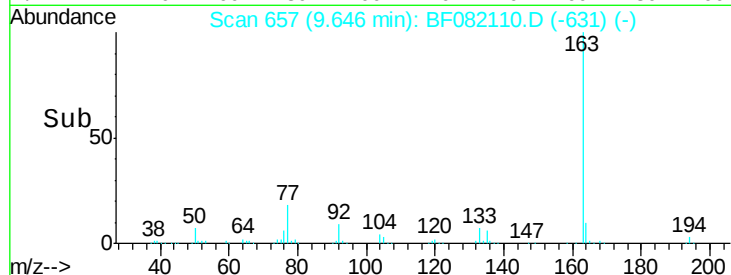
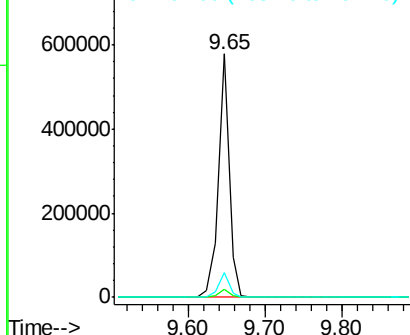
#49
Dimethylphthalate
Concen: 49.67 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion:163 Resp: 569257
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 10.4 8.3 12.5

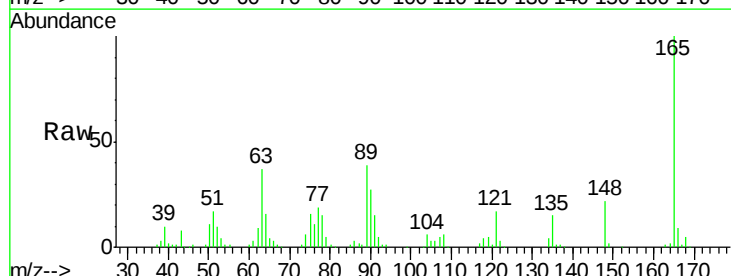


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

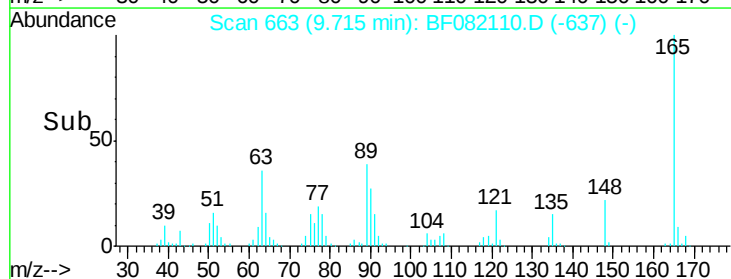
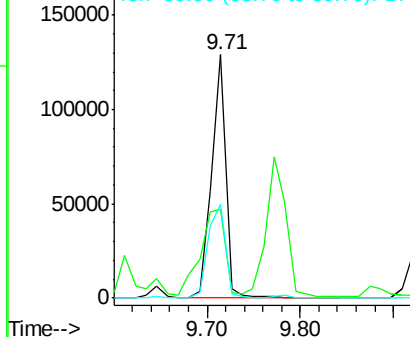


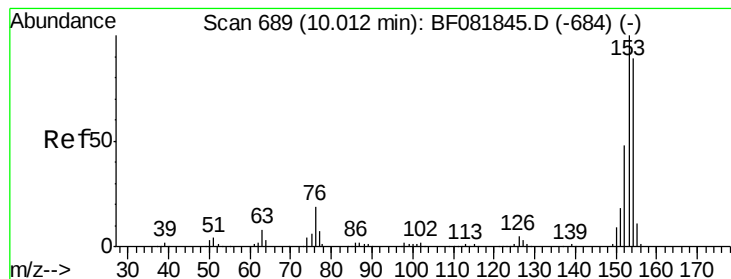
#50
2,6-Dinitrotoluene
Concen: 54.99 ng
RT: 9.71 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:165 Resp: 136847
Ion Ratio Lower Upper
165 100
63 36.5 32.3 48.5
89 38.5 28.6 43.0



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: 51.58 ng

RT: 9.95 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

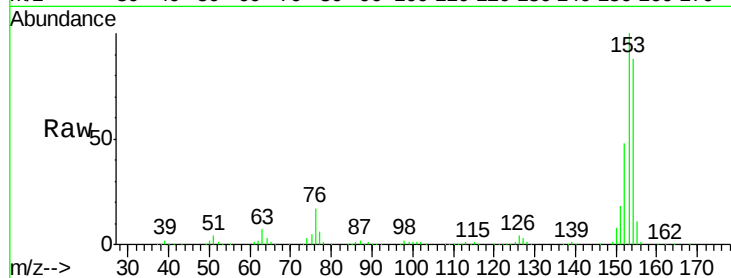
Tot Ion:154 Resp: 493140

Ion Ratio Lower Upper

154 100

153 113.1 82.1 123.1

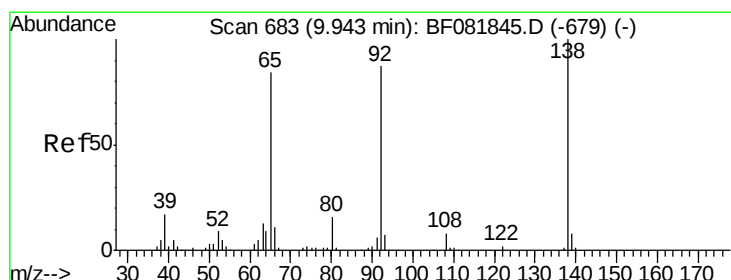
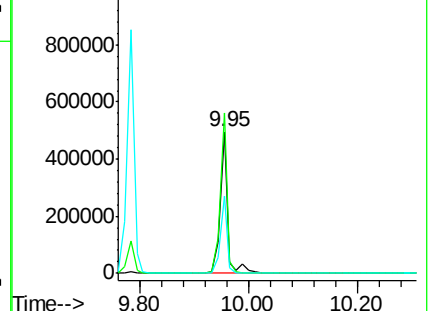
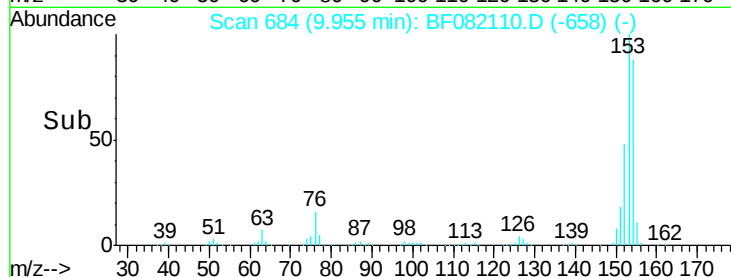
152 54.6 37.9 56.9



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: 22.00 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

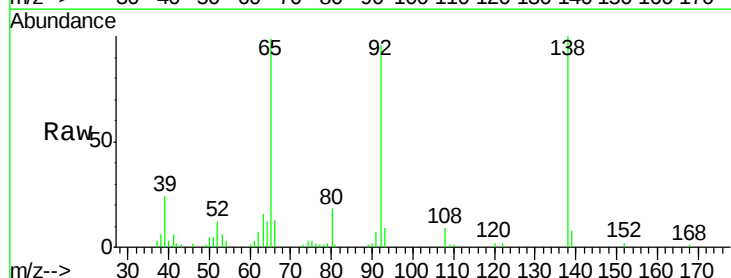
Tgt Ion:138 Resp: 63329

Ion Ratio Lower Upper

138 100

108 9.1 5.7 8.5#

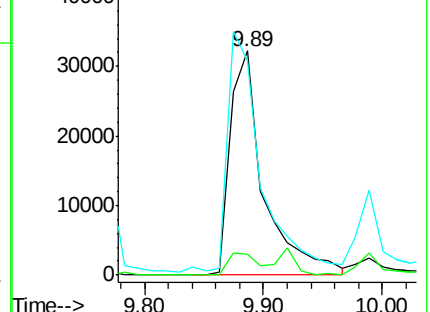
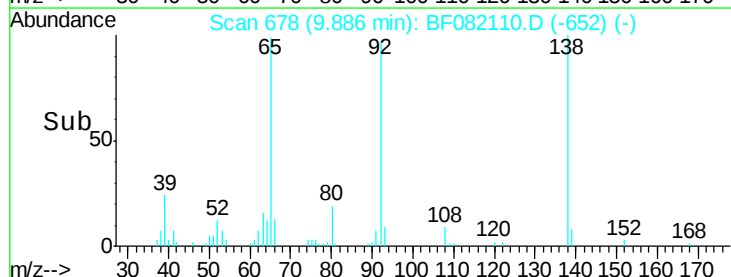
92 95.6 67.7 101.5



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

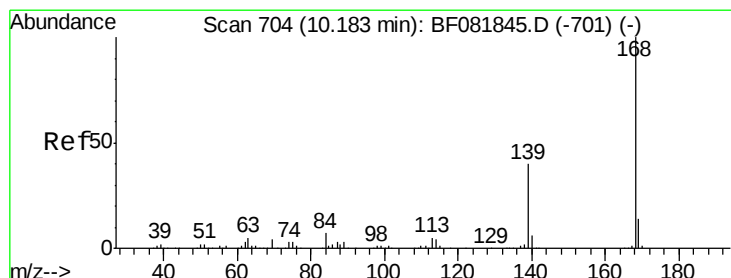
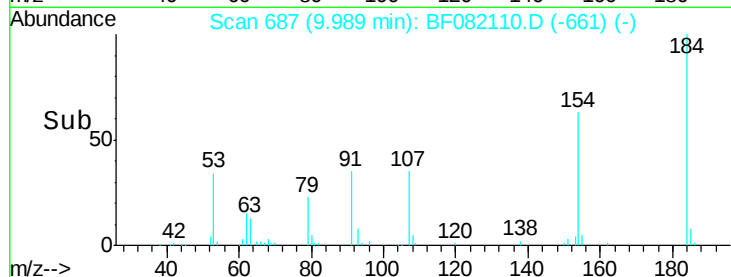
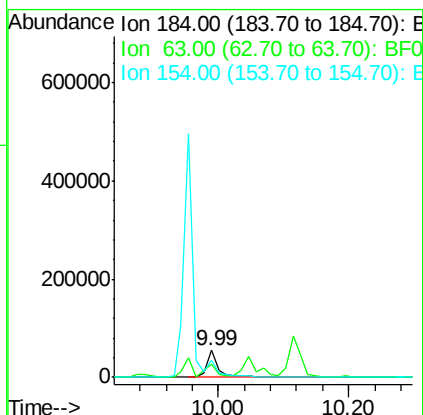
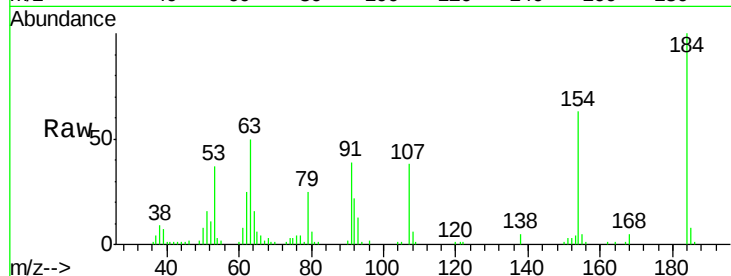




#53
2,4-Dinitrophenol
Concen: 65.57 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

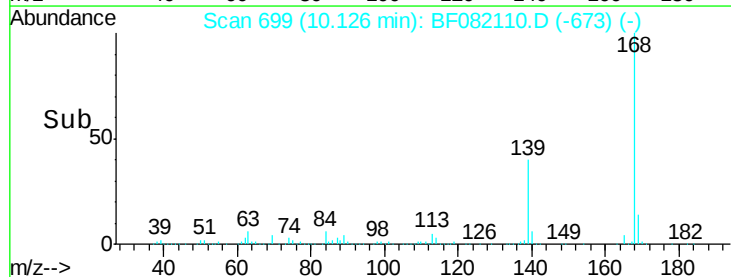
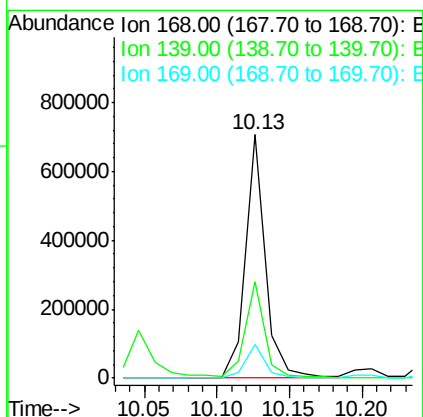
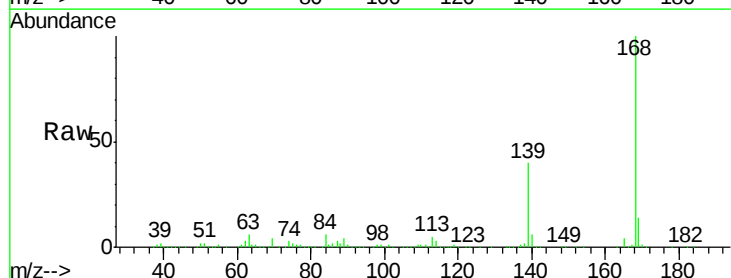
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

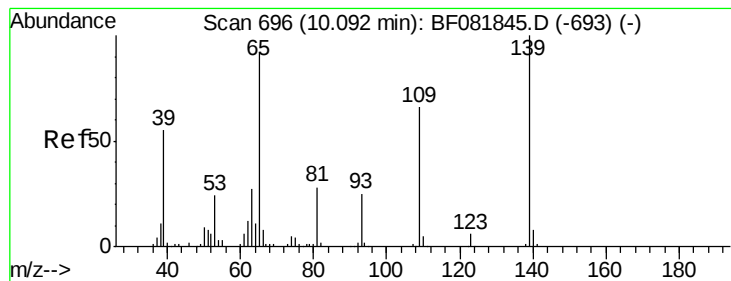
Tot Ion:184 Resp: 69497
Ion Ratio Lower Upper
184 100
63 50.3 35.4 53.2
154 63.4 32.2 48.4#



#54
Dibenzofuran
Concen: 49.77 ng
RT: 10.13 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:168 Resp: 672494
Ion Ratio Lower Upper
168 100
139 39.6 24.2 36.2#
169 13.7 10.6 15.8





#55

4-Nitrophenol

Concen: 81.67 ng

RT: 10.05 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

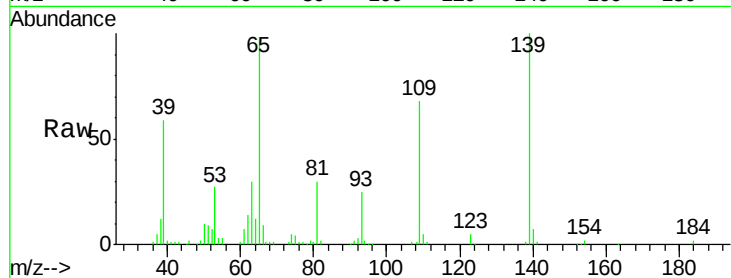
Tot Ion:139 Resp: 169876

Ion Ratio Lower Upper

139 100

109 68.0 12.7 52.7#

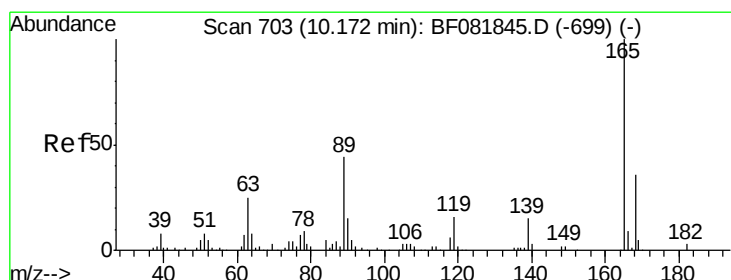
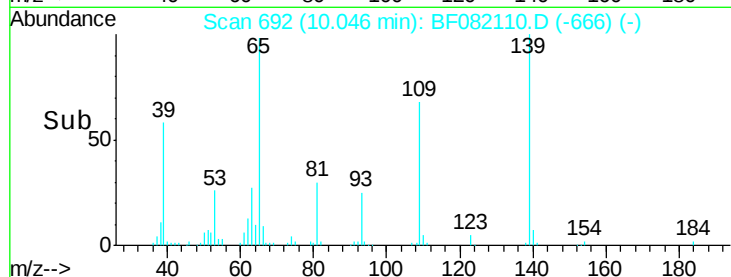
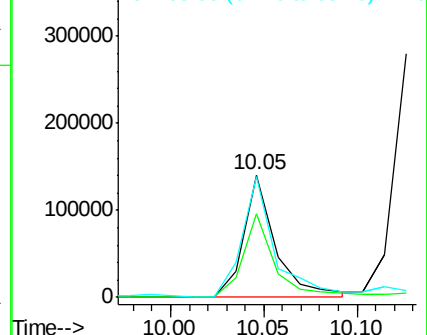
65 98.5 45.9 85.9#



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: 52.95 ng

RT: 10.11 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Tgt Ion:165 Resp: 167956

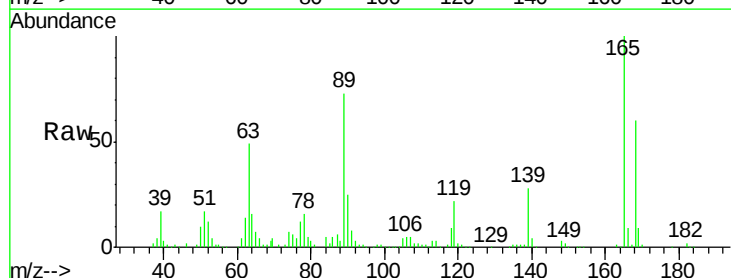
Ion Ratio Lower Upper

165 100

63 48.8 29.8 44.6#

89 72.6 44.5 66.7#

182 2.4 3.0 4.4#

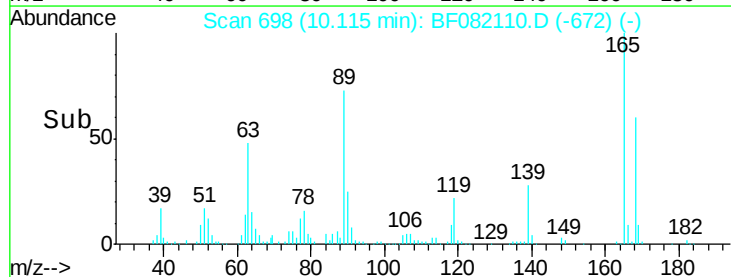
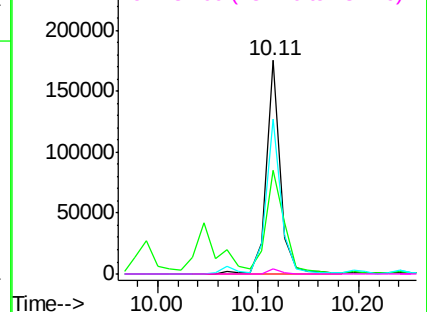


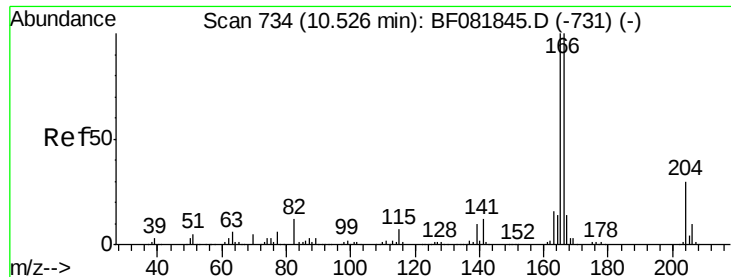
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 55.56 ng

RT: 10.47 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

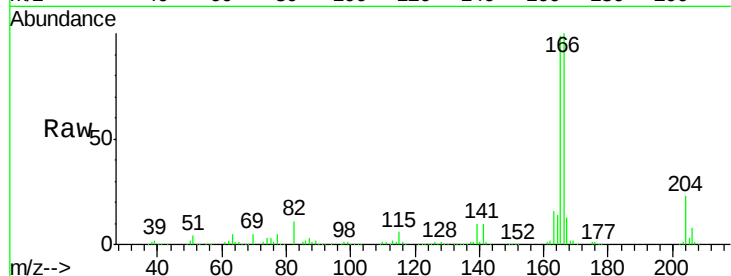
Tot Ion:166 Resp: 532026

Ion Ratio Lower Upper

166 100

165 98.9 72.6 109.0

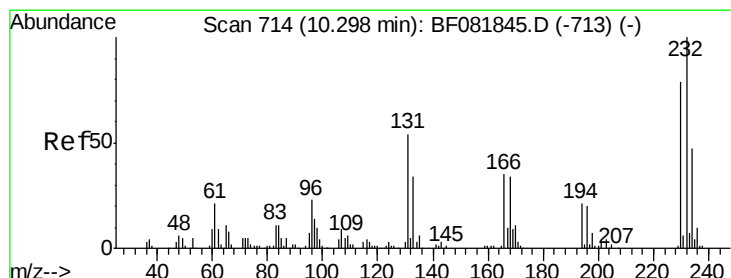
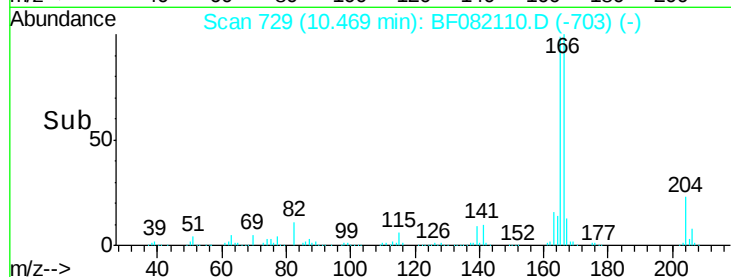
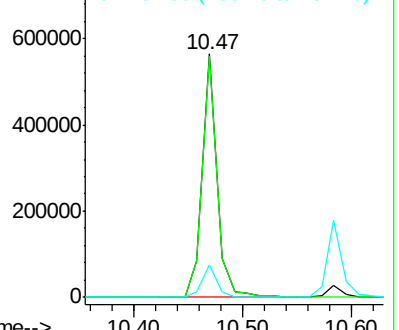
167 13.5 10.6 16.0



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: 52.59 ng

RT: 10.24 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Tgt Ion:232 Resp: 149925

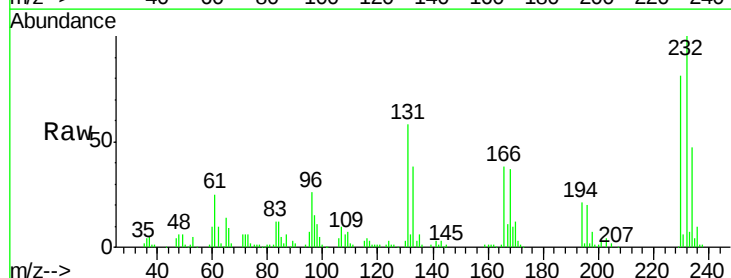
Ion Ratio Lower Upper

232 100

131 43.6 38.5 57.7

130 1.9 1.8 2.6

166 29.6 25.0 37.6

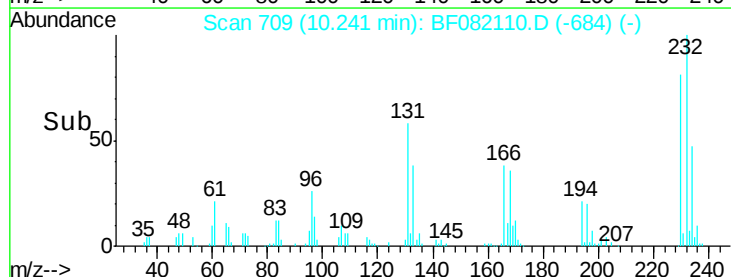
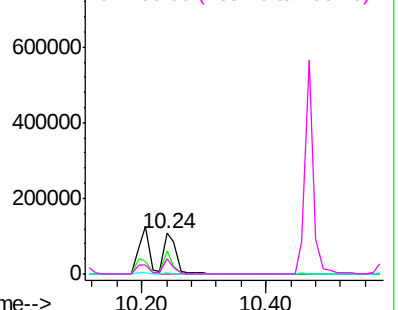


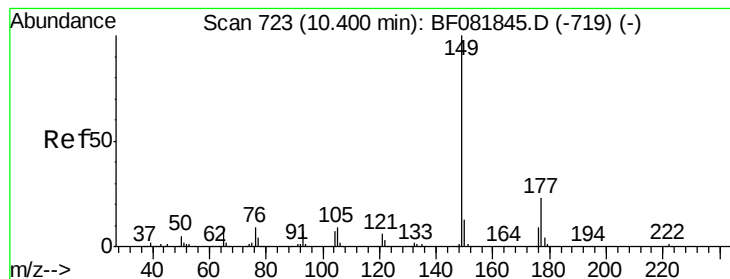
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 50.85 ng

RT: 10.34 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

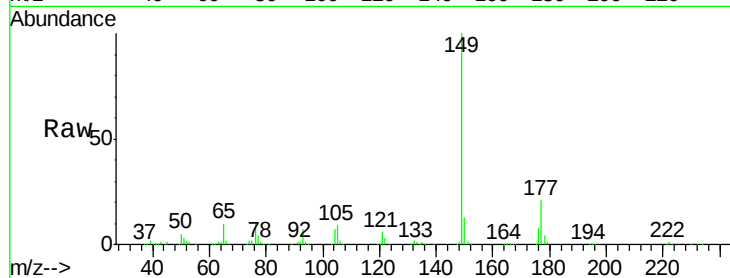
Tot Ion:149 Resp: 544396

Ion Ratio Lower Upper

149 100

177 21.5 17.5 26.3

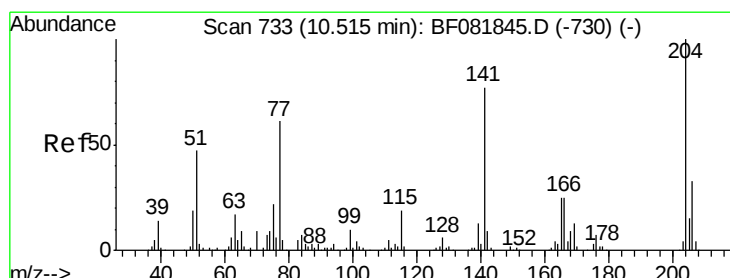
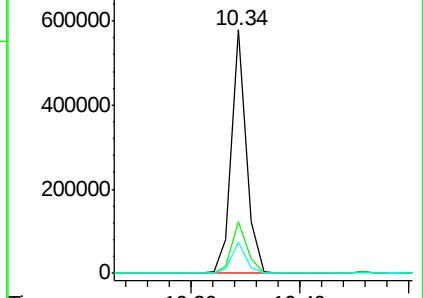
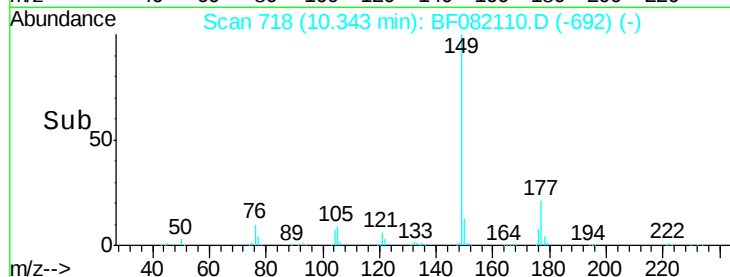
150 12.9 9.4 14.2



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: 48.71 ng

RT: 10.46 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

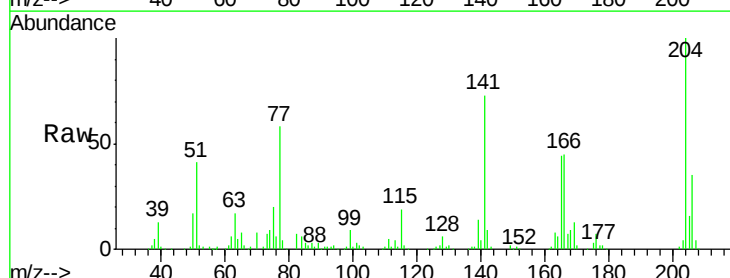
Tgt Ion:204 Resp: 240930

Ion Ratio Lower Upper

204 100

206 34.8 24.8 37.2

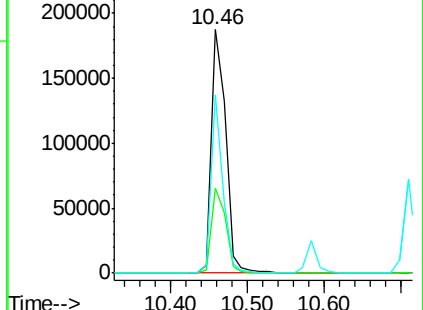
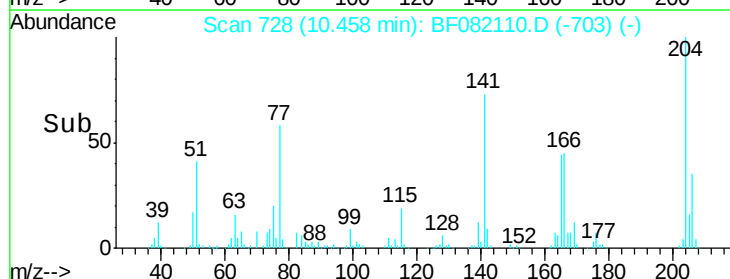
141 73.3 42.2 63.4#

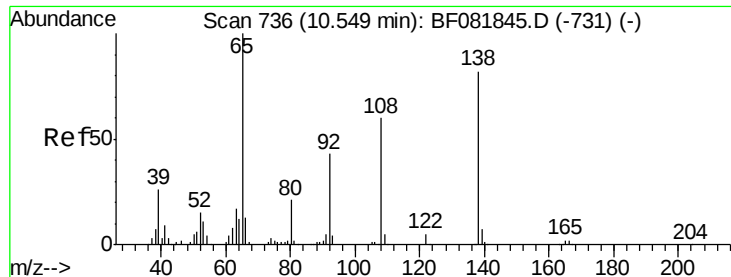


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

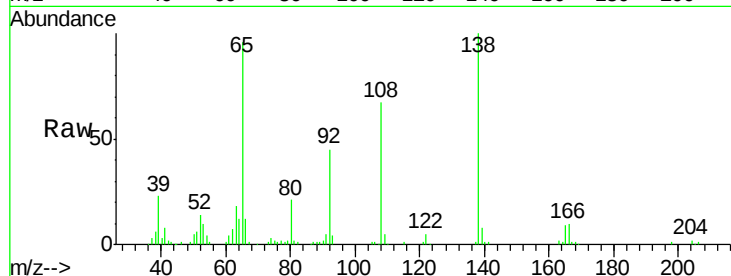




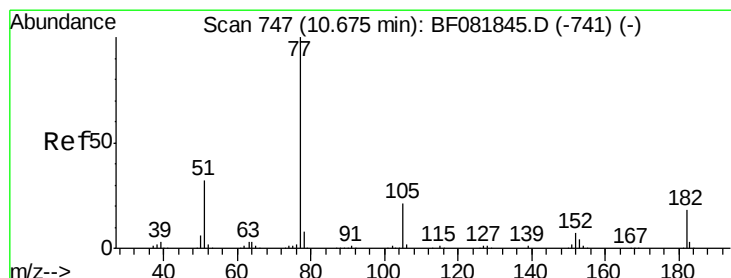
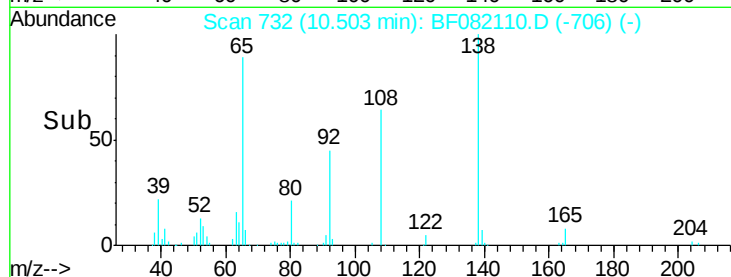
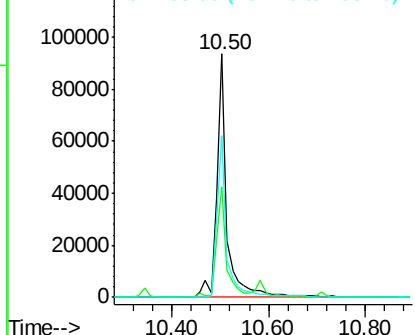
#61
4-Nitroaniline
Concen: 48.36 ng
RT: 10.50 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Instrument :
BNA_F
ClientSampleId :
WC093015MSD

Tot Ion:138 Resp: 139591
Ion Ratio Lower Upper
138 100
92 45.4 12.6 52.6
108 66.6 12.4 52.4#

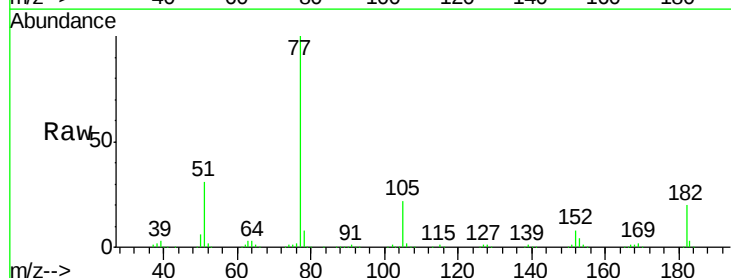


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

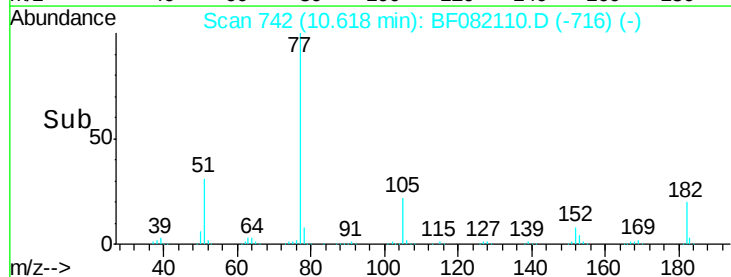
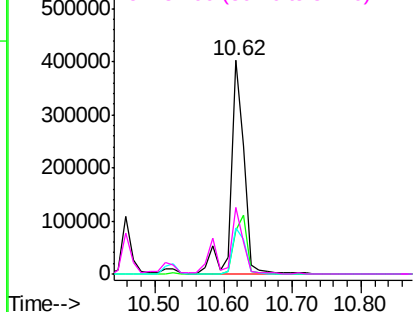


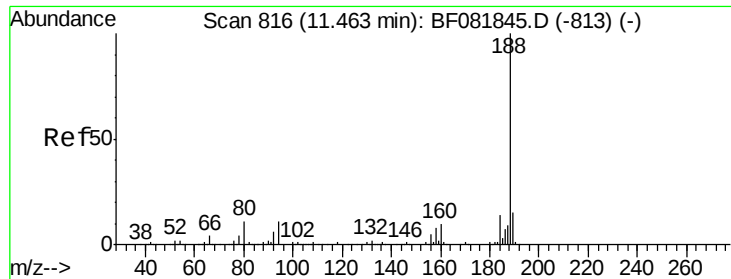
#62
Azobenzene
Concen: 51.40 ng
RT: 10.62 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion: 77 Resp: 537006
Ion Ratio Lower Upper
77 100
182 20.3 15.1 55.1
105 21.7 3.4 43.4
51 31.2 12.0 52.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

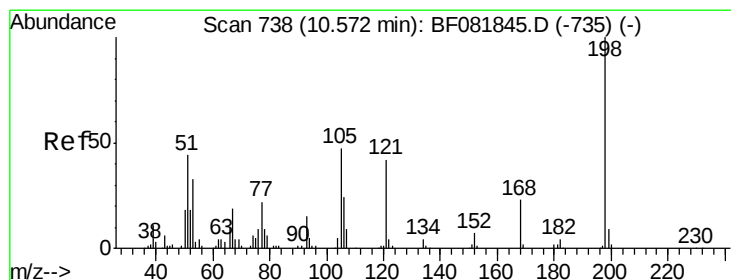
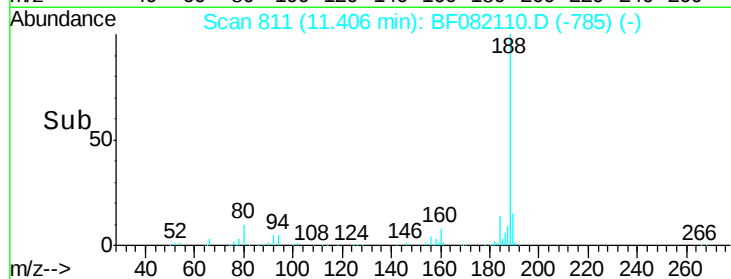
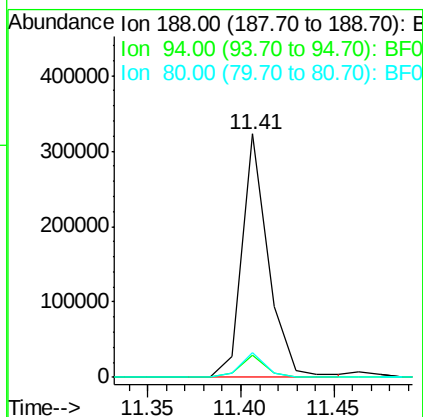
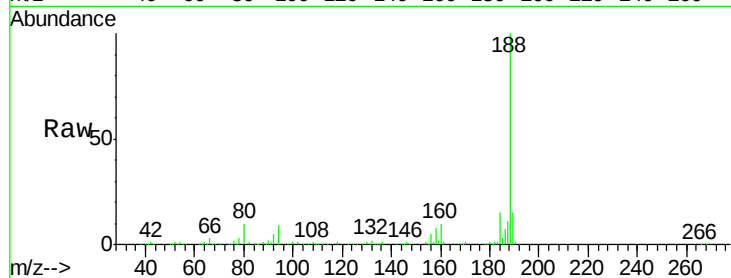




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

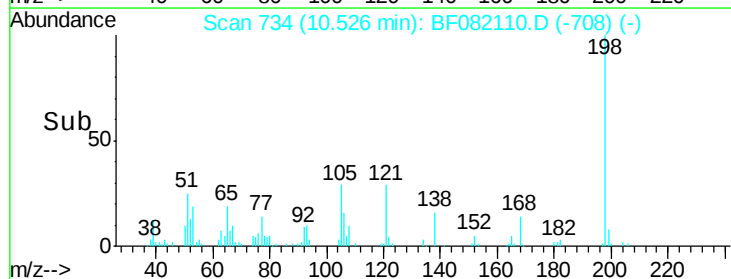
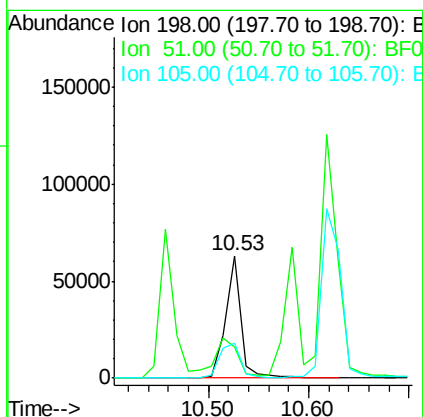
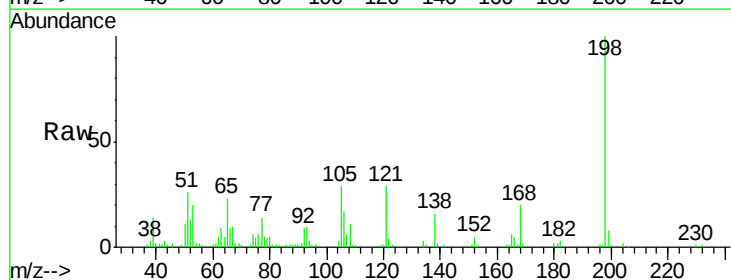
Instrument :
BNA_F
ClientSampleId :
WC093015MSD

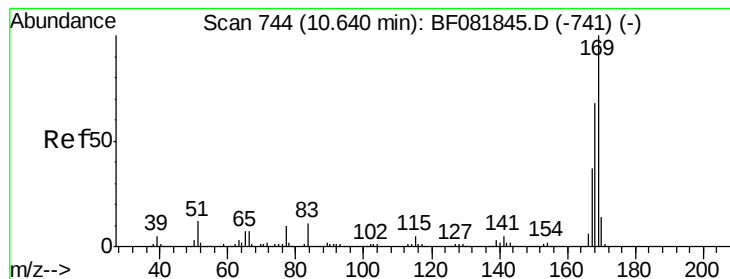
Tot Ion:188 Resp: 317123
Ion Ratio Lower Upper
188 100
94 9.3 11.1 16.7#
80 10.0 11.0 16.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 46.52 ng
RT: 10.53 min Scan# 734
Delta R.T. -0.00 min
Lab File: BF082110.D
Acq: 7 Oct 2015 18:02

Tgt Ion:198 Resp: 66450
Ion Ratio Lower Upper
198 100
51 25.5 39.6 79.6#
105 29.1 28.5 68.5





#65

n-Nitrosodiphenylamine

Concen: 48.80 ng

RT: 10.58 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

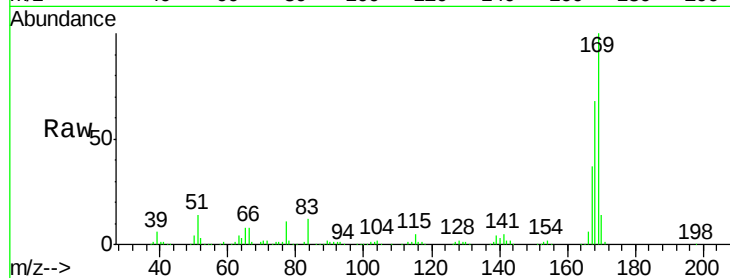
Tot Ion:169 Resp: 468225

Ion Ratio Lower Upper

169 100

168 67.9 48.9 73.3

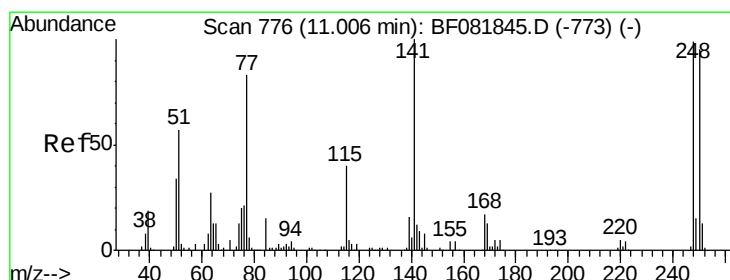
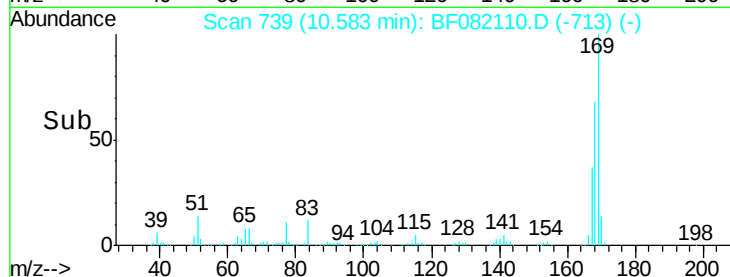
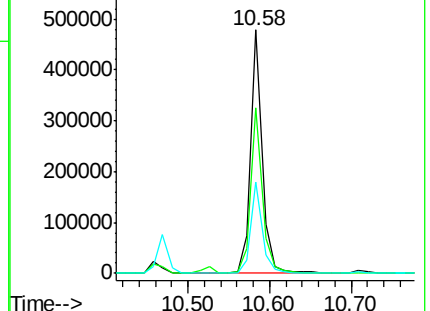
167 37.3 26.2 39.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 52.47 ng

RT: 10.95 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

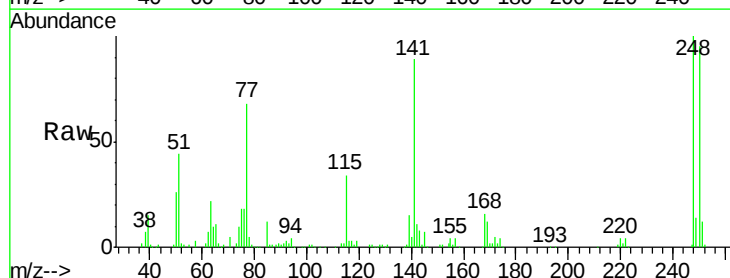
Tgt Ion:248 Resp: 167773

Ion Ratio Lower Upper

248 100

250 95.2 78.5 117.7

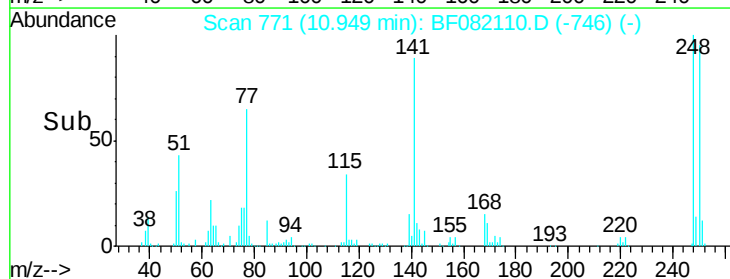
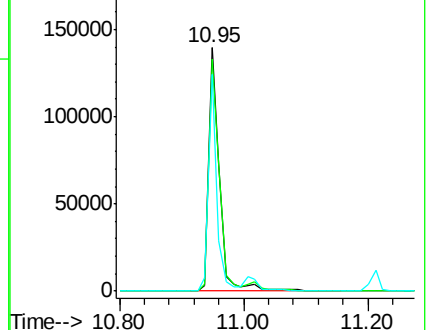
141 88.8 59.0 88.6#

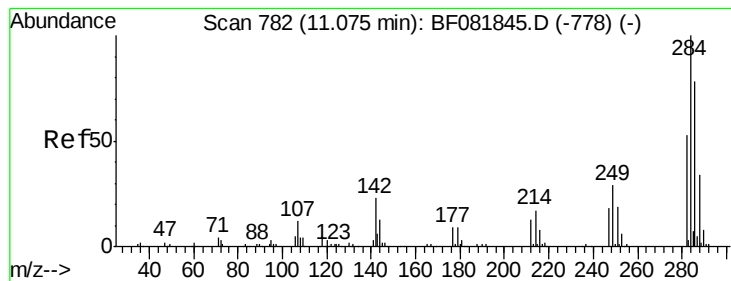


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.45 ng

RT: 11.02 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

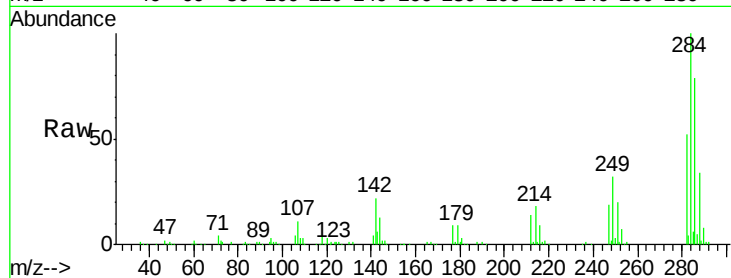
Tot Ion:284 Resp: 182057

Ion Ratio Lower Upper

284 100

142 21.8 29.5 44.3#

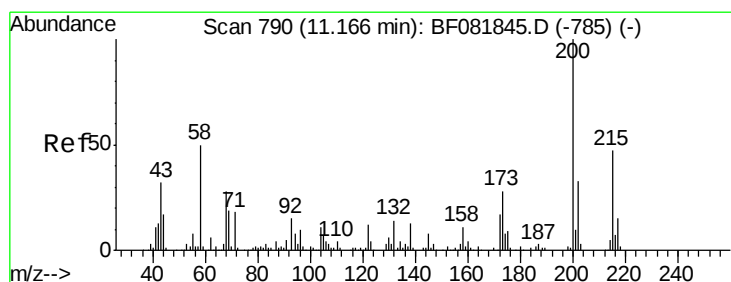
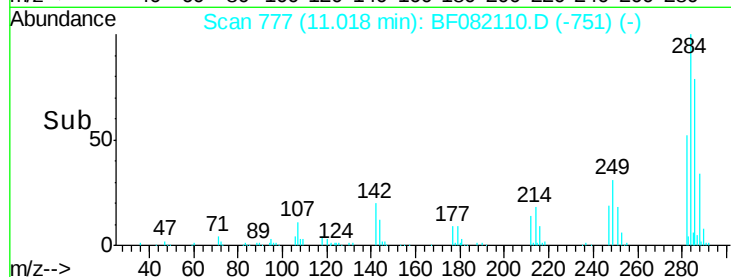
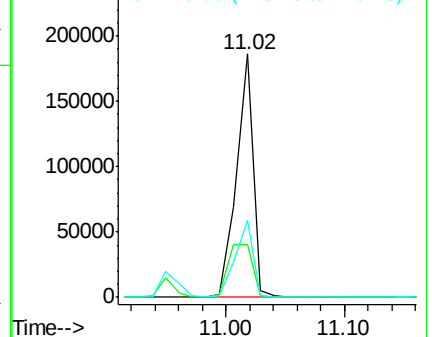
249 31.9 19.5 29.3#



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: 51.36 ng

RT: 11.11 min Scan# 785

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

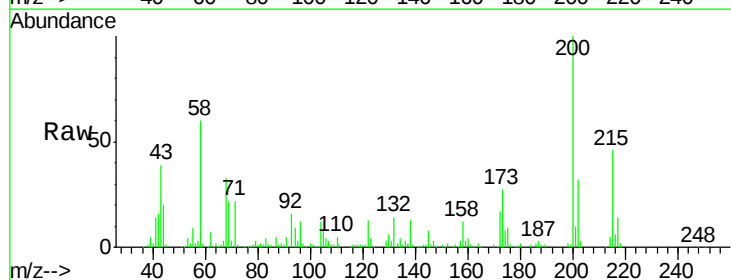
Tgt Ion:200 Resp: 152912

Ion Ratio Lower Upper

200 100

173 27.4 13.2 53.2

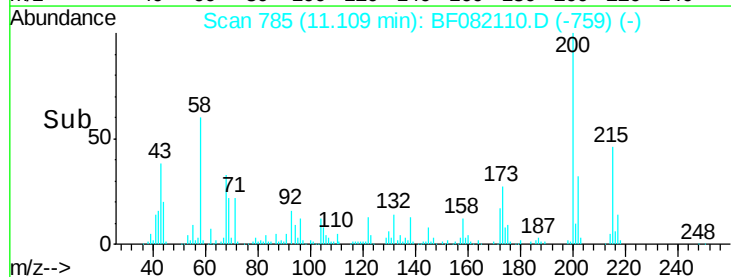
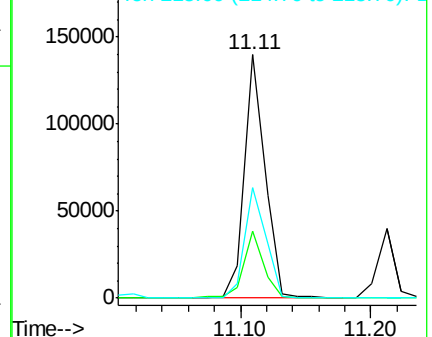
215 45.5 41.8 81.8

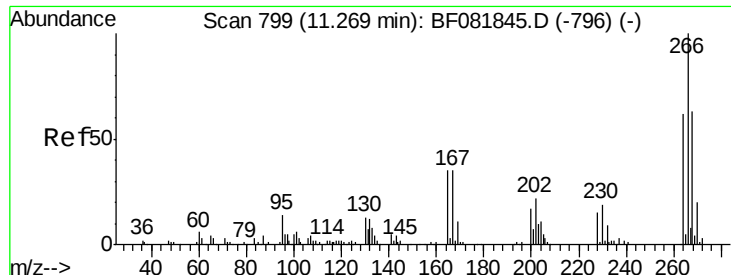


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

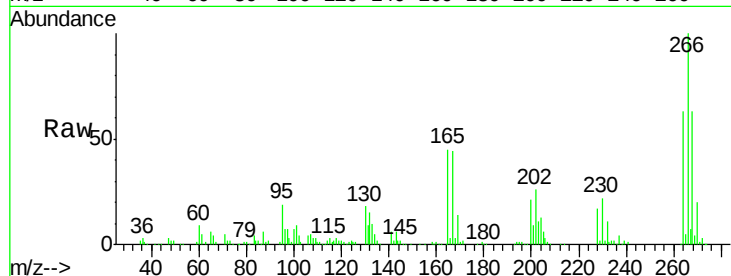




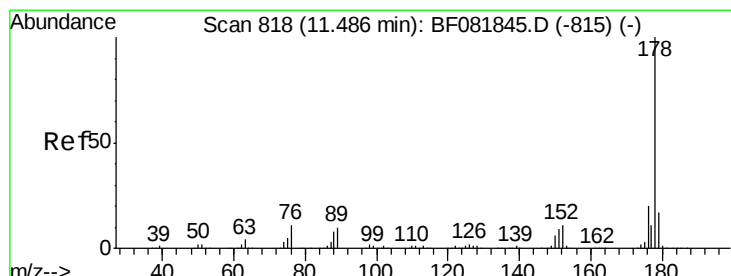
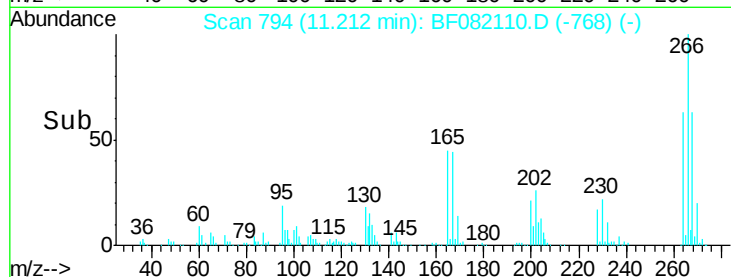
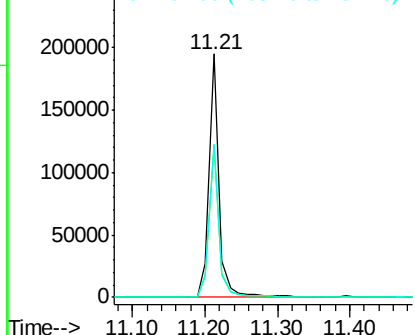
#69
 Pentachlorophenol
 Concen: 91.81 ng
 RT: 11.21 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:266 Resp: 188780
 Ion Ratio Lower Upper
 266 100
 268 62.5 49.8 74.6
 264 62.6 50.2 75.2

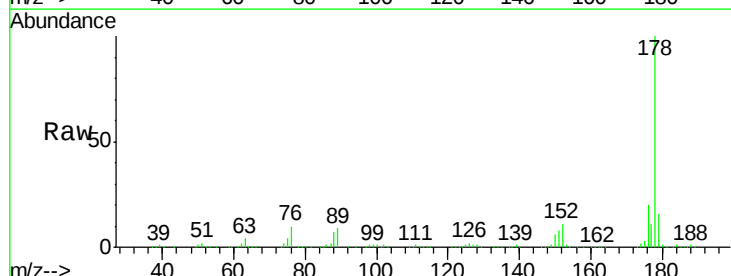


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

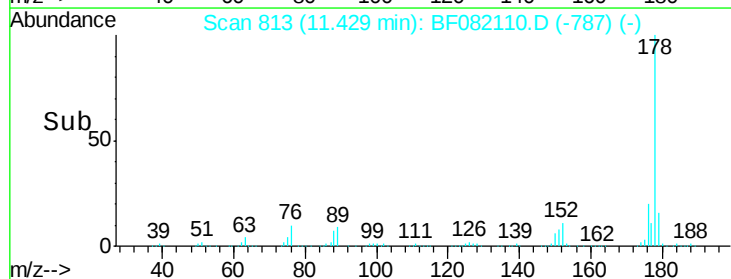
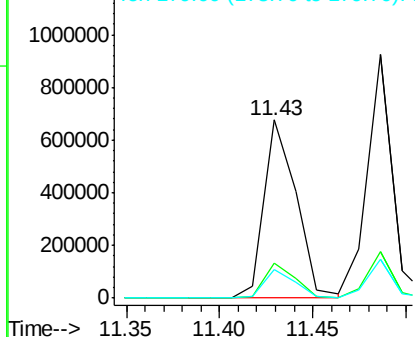


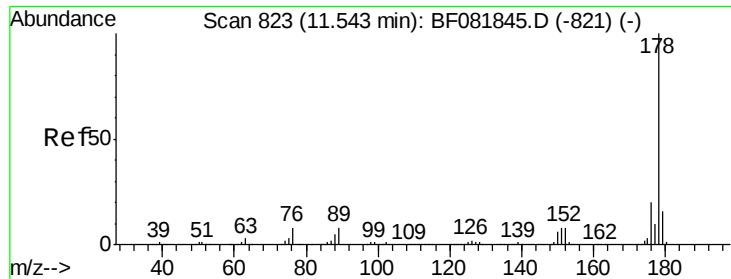
#70
 Phenanthrene
 Concen: 52.84 ng
 RT: 11.43 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:178 Resp: 801915
 Ion Ratio Lower Upper
 178 100
 176 19.9 13.8 20.8
 179 16.1 12.2 18.2



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

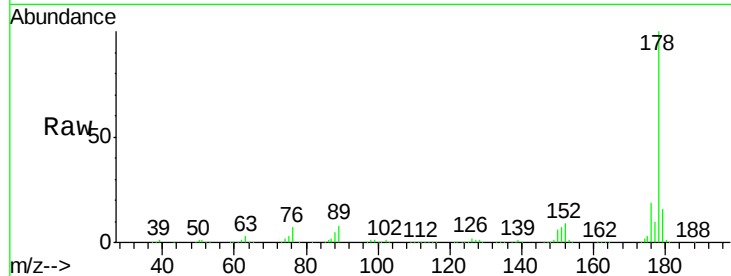




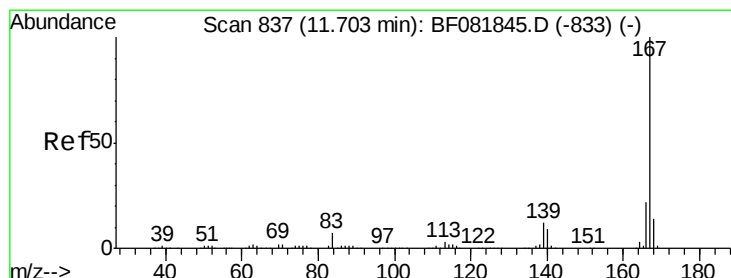
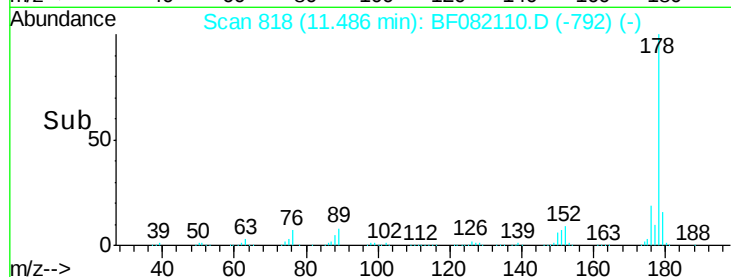
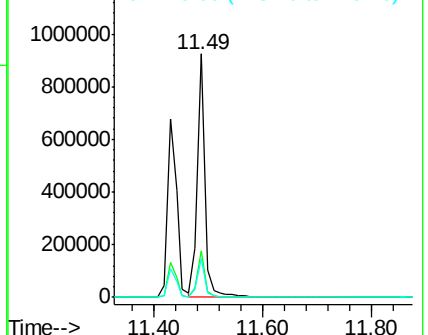
#71
 Anthracene
 Concen: 55.50 ng
 RT: 11.49 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:178 Resp: 894599
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.1 21.1
 179 16.0 12.2 18.2

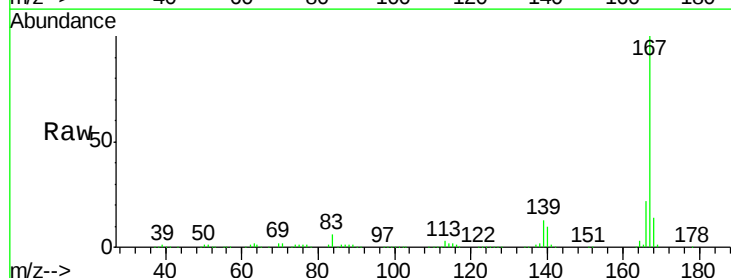


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

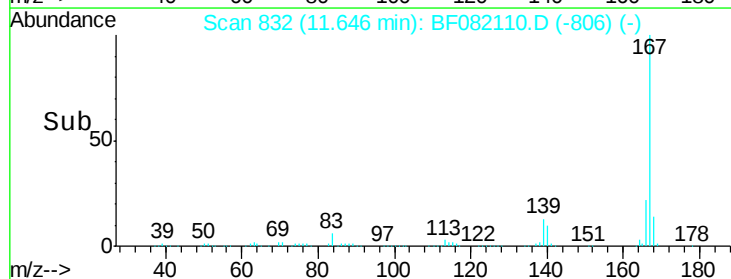
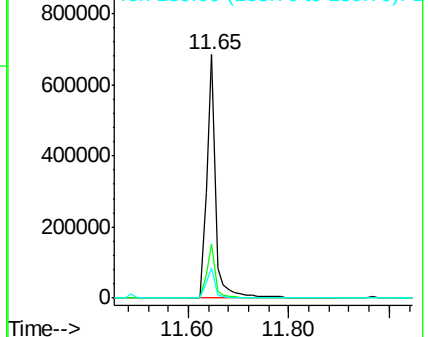


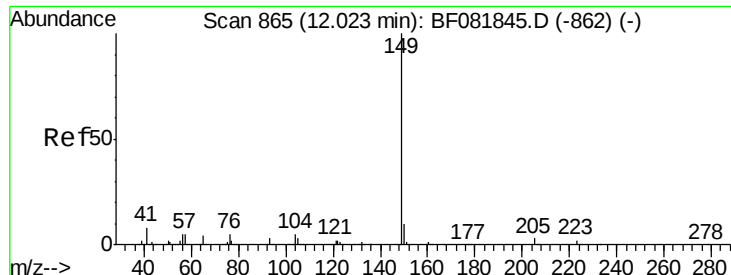
#72
 Carbazole
 Concen: 56.70 ng
 RT: 11.65 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:167 Resp: 827141
 Ion Ratio Lower Upper
 167 100
 166 22.1 15.7 23.5
 139 12.5 9.5 14.3



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: 58.31 ng

RT: 11.97 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

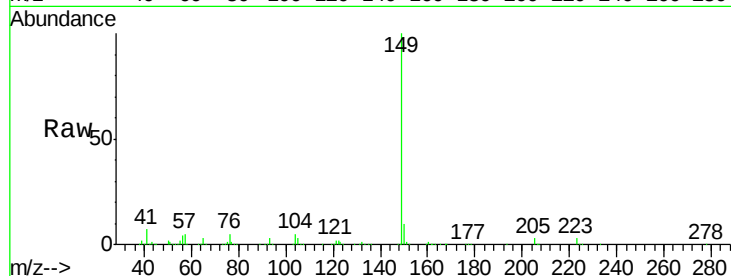
Tot Ion:149 Resp: 860431

Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.2

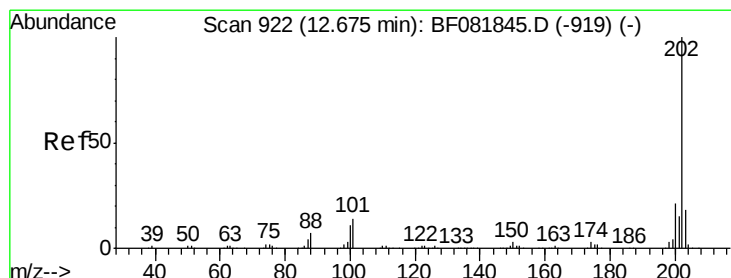
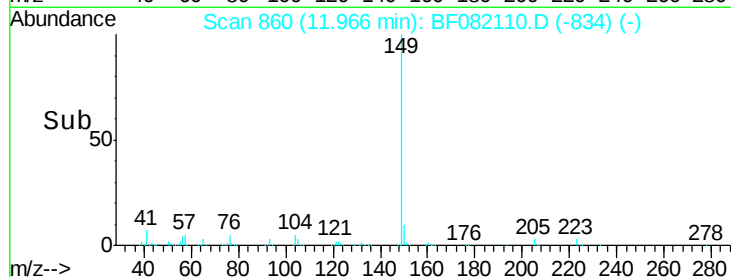
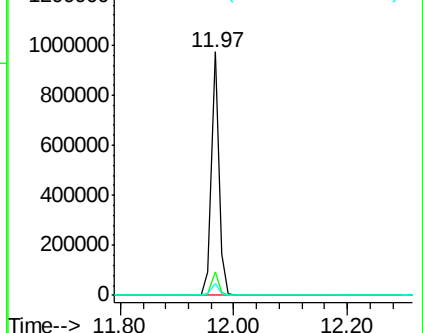
104 4.9 2.4 3.6#



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: 51.38 ng

RT: 12.62 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

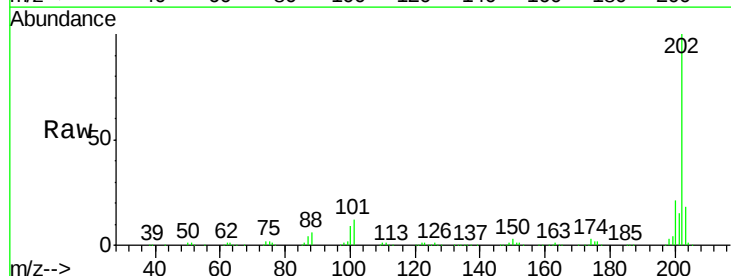
Tgt Ion:202 Resp: 872813

Ion Ratio Lower Upper

202 100

101 12.0 0.0 38.3

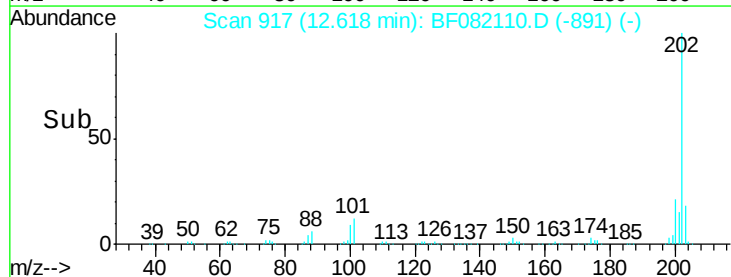
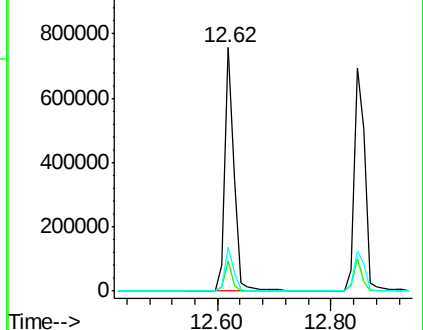
203 18.2 0.0 37.3

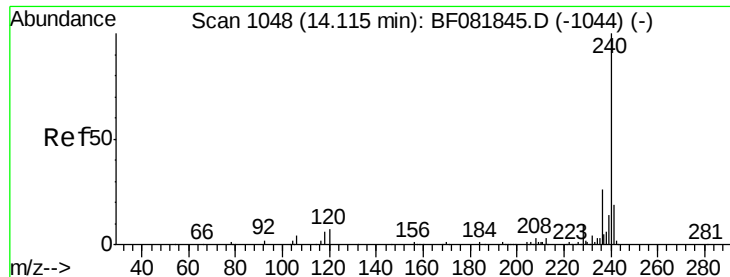


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.06 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

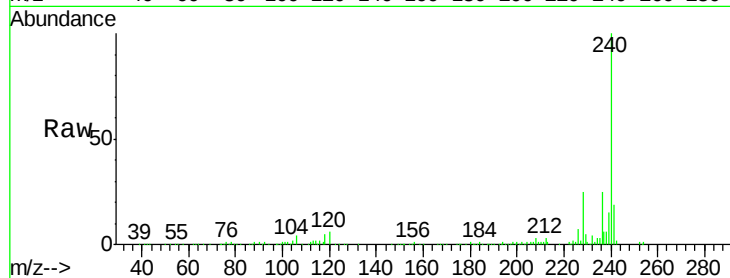
Tot Ion:240 Resp: 288427

Ion Ratio Lower Upper

240 100

120 5.8 16.2 24.2#

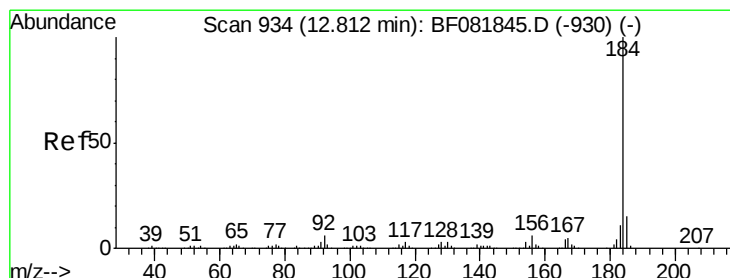
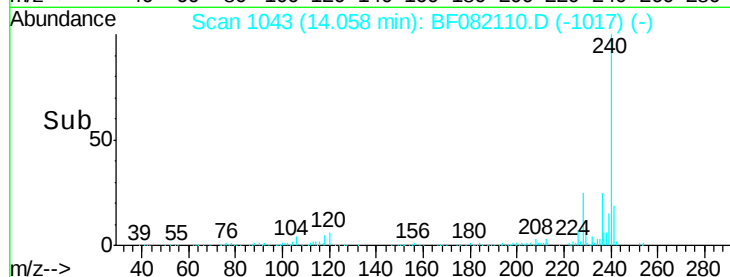
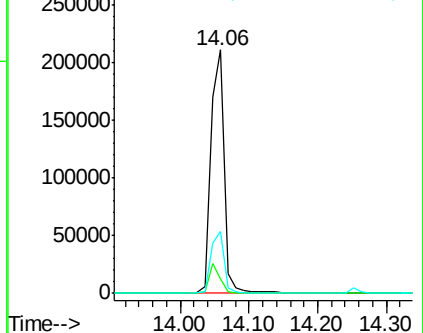
236 25.5 18.4 27.6



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: 10.19 ng

RT: 12.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

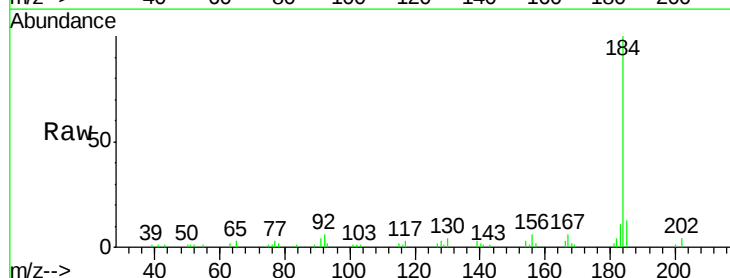
Tgt Ion:184 Resp: 88550

Ion Ratio Lower Upper

184 100

185 13.1 11.8 17.6

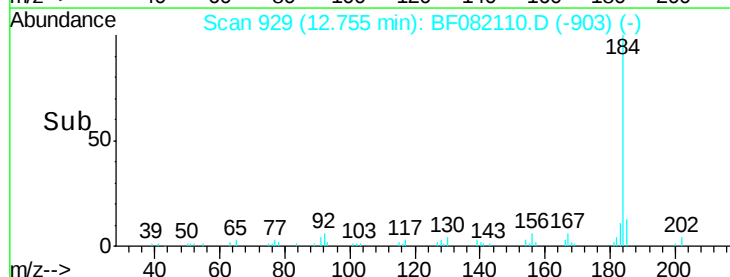
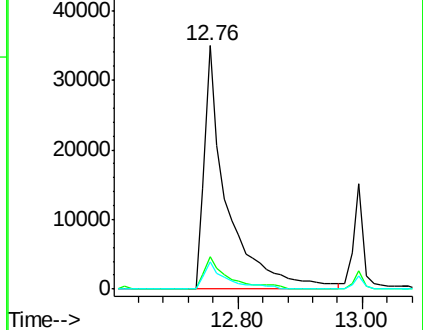
183 11.1 7.6 11.4

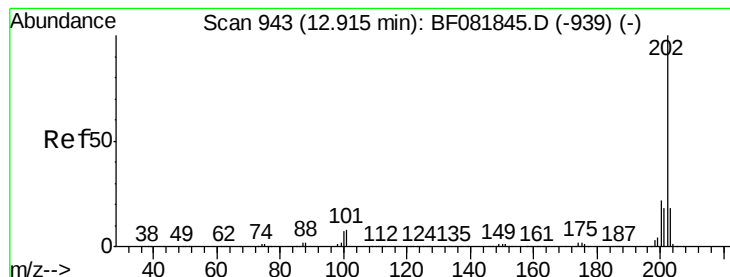


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 52.62 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

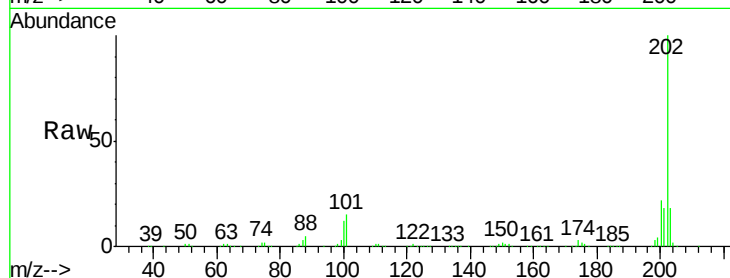
Tot Ion:202 Resp: 906684

Ion Ratio Lower Upper

202 100

200 21.9 15.0 22.4

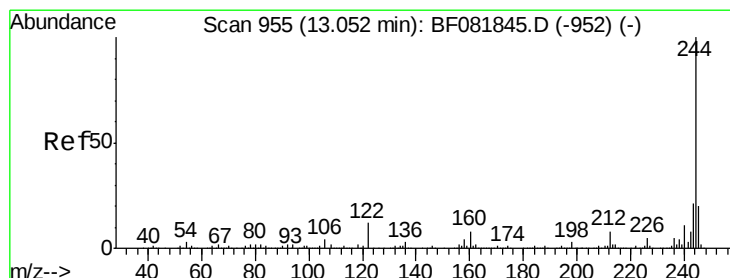
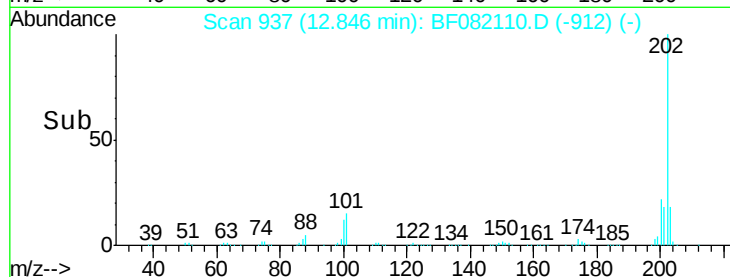
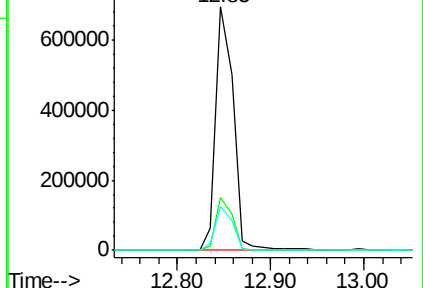
203 18.1 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 140.92 ng

RT: 13.00 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

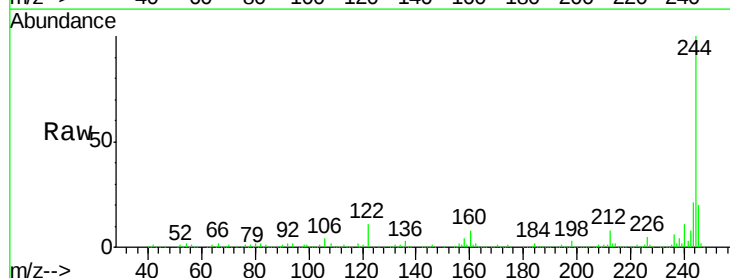
Tgt Ion:244 Resp: 1038453

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

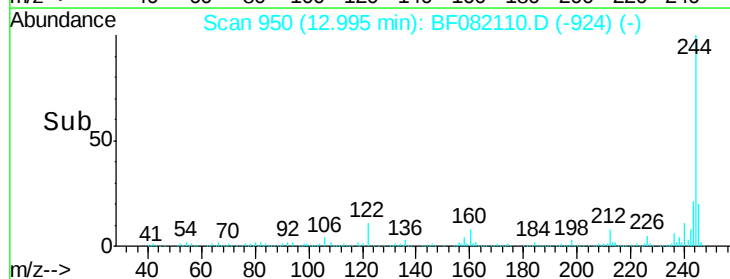
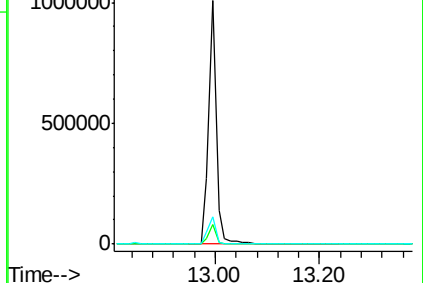
122 11.1 17.4 26.2#

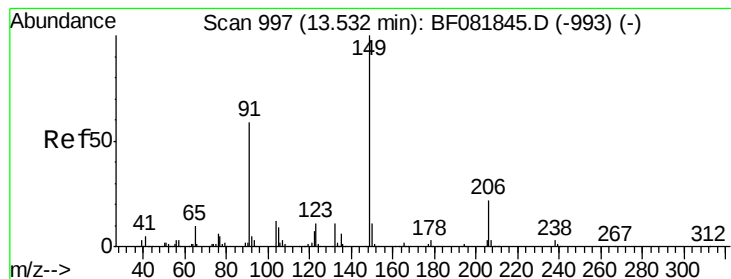


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 60.57 ng

RT: 13.46 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

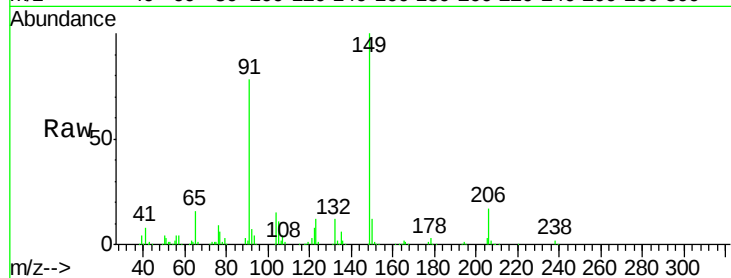
Tot Ion:149 Resp: 392729

Ion Ratio Lower Upper

149 100

91 77.8 48.6 72.8#

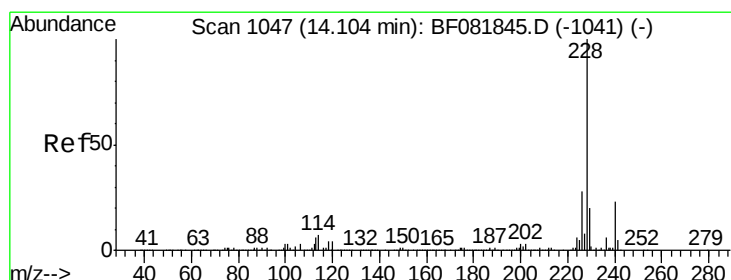
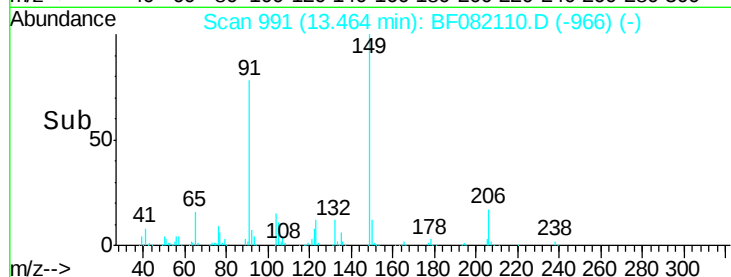
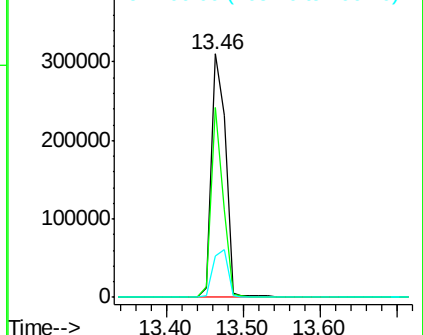
206 16.8 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 52.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

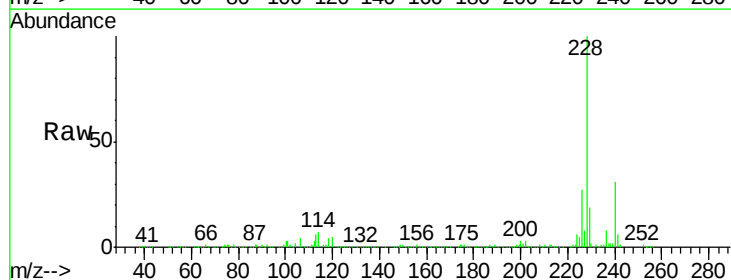
Tgt Ion:228 Resp: 807695

Ion Ratio Lower Upper

228 100

226 27.5 20.0 30.0

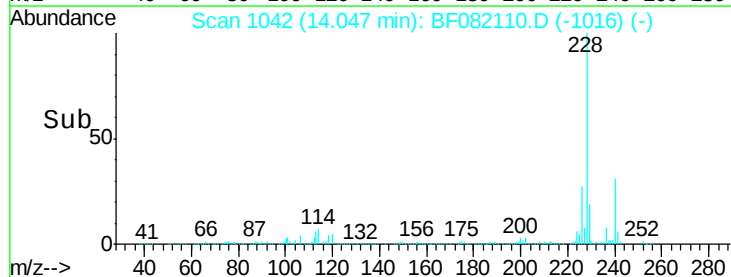
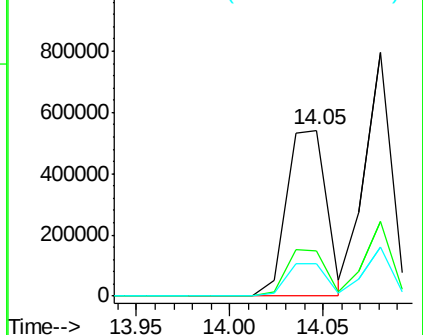
229 19.5 15.4 23.2

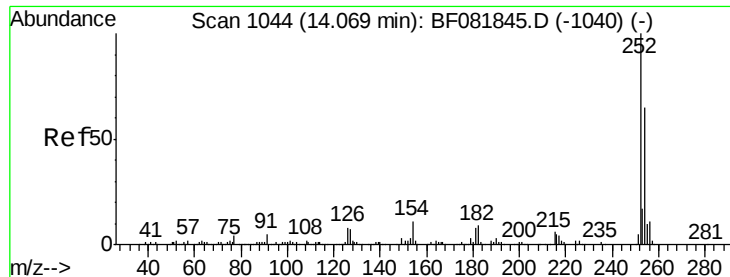


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

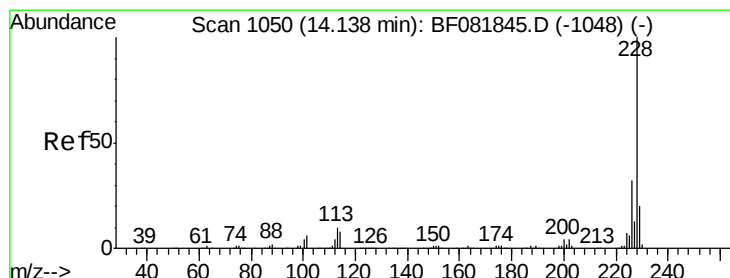
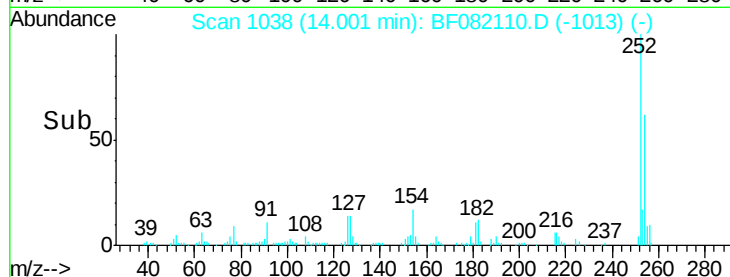
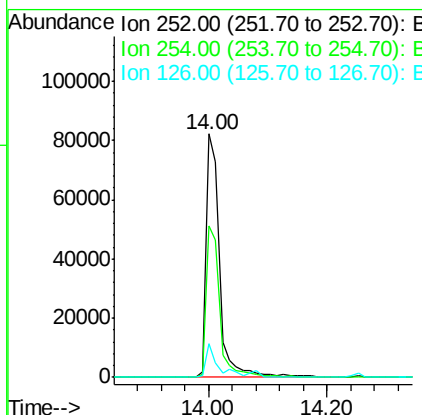
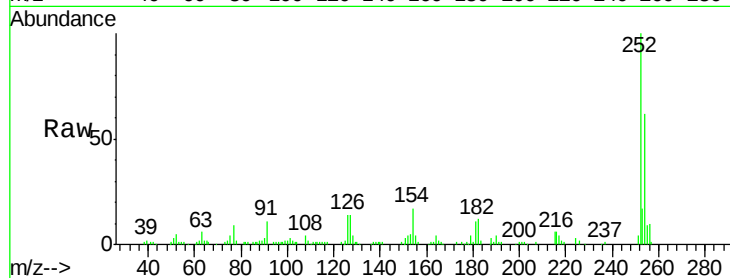




#81
 3,3'-Dichlorobenzidine
 Concen: 24.79 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

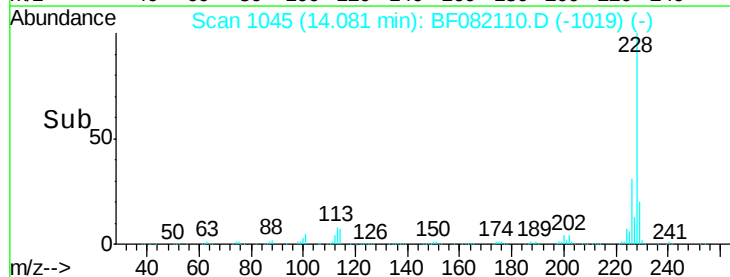
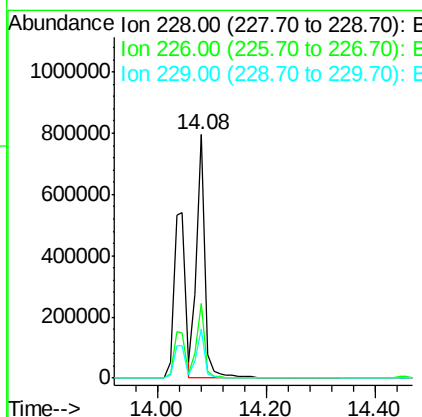
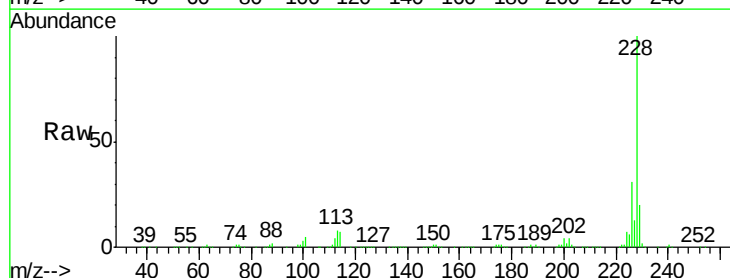
Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.4	77.2
126	14.0	16.4	24.6#



#82
 Chrysene
 Concen: Below Cal
 RT: 14.08 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.0	31.4
229	20.1	15.6	23.4

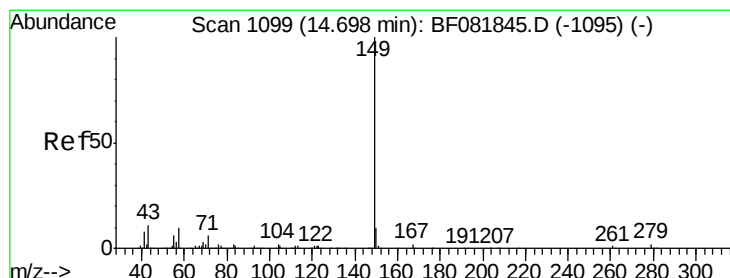
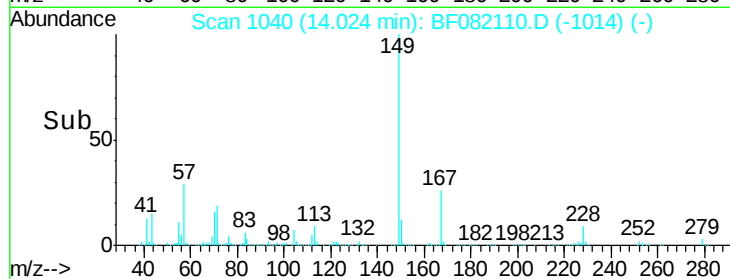
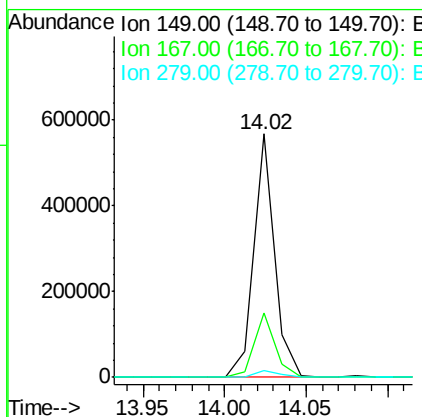
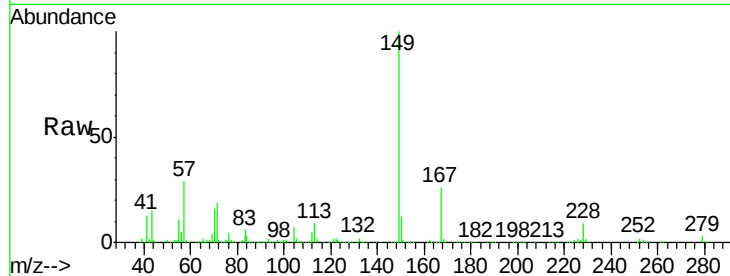




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 61.91 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

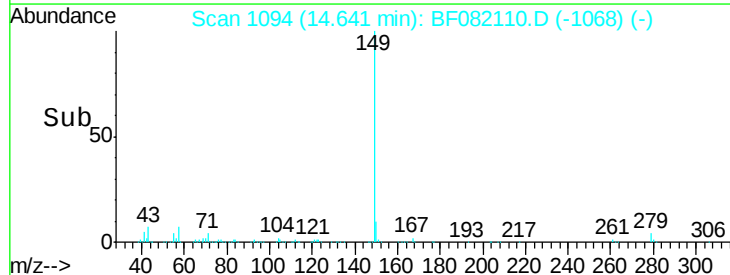
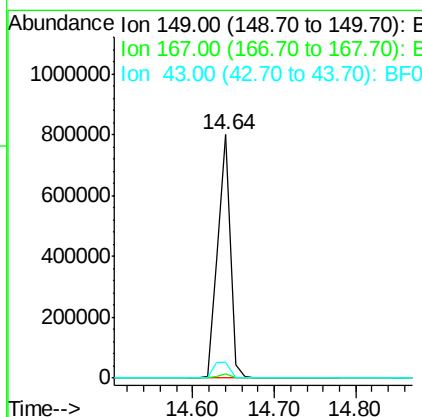
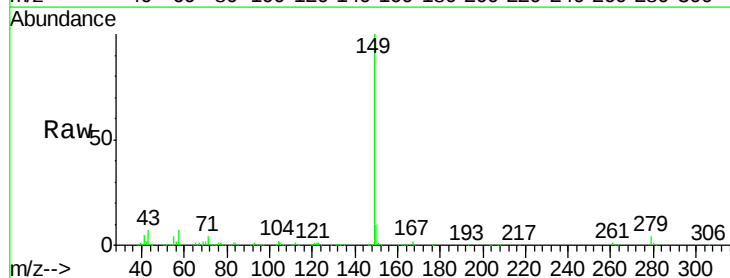
Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion:149 Resp: 503565
 Ion Ratio Lower Upper
 149 100
 167 26.4 24.2 36.2
 279 2.7 3.8 5.6#



#84
 Di-n-octyl phthalate
 Concen: 64.74 ng
 RT: 14.64 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:149 Resp: 856843
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.0 1.6
 43 8.7 10.2 15.2#

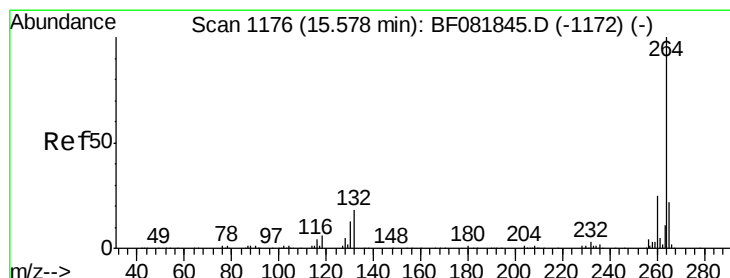
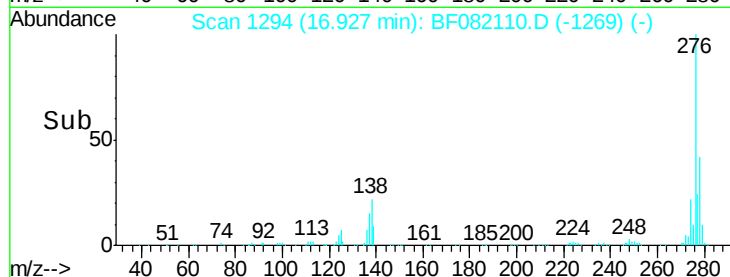
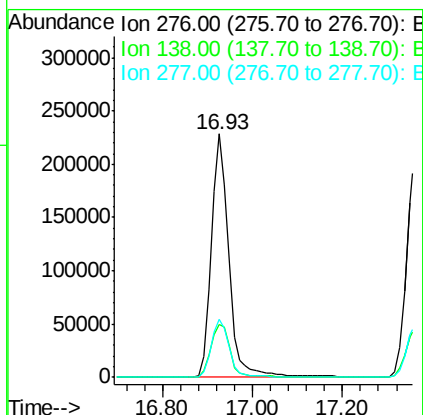
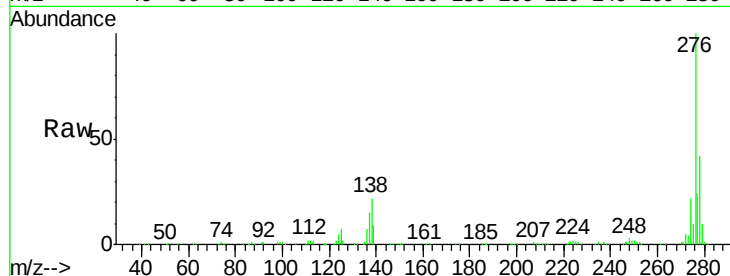




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 51.20 ng
 RT: 16.93 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

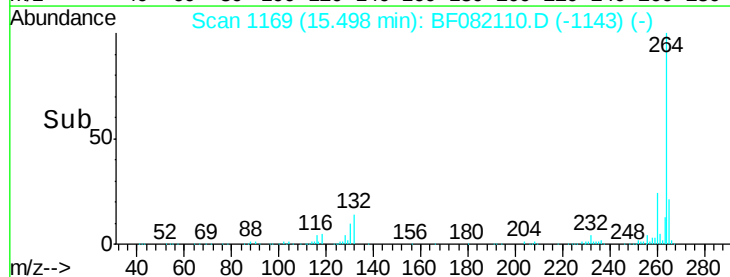
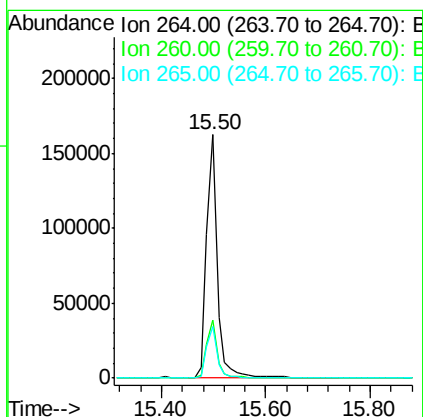
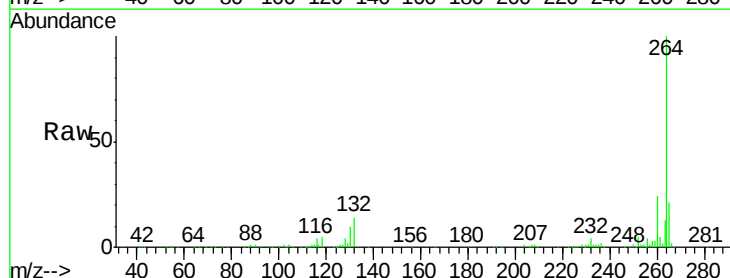
Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

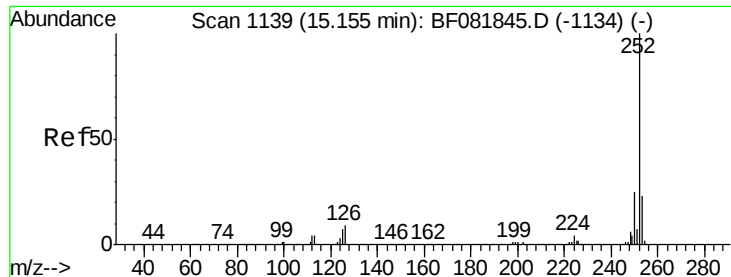
Tot Ion:276 Resp: 622089
 Ion Ratio Lower Upper
 276 100
 138 24.4 25.7 38.5#
 277 24.9 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Tgt Ion:264 Resp: 234824
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 21.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 104.43 ng

RT: 15.11 min Scan# 1135

Delta R.T. 0.02 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

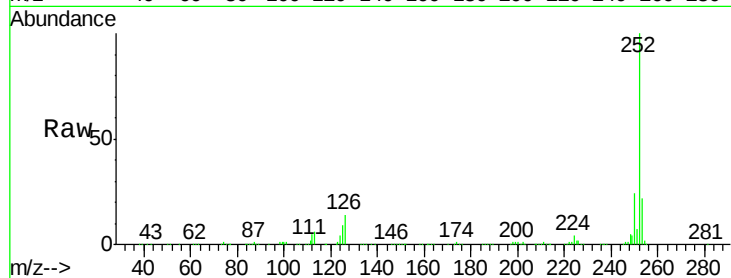
Tot Ion:252 Resp: 1400062

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

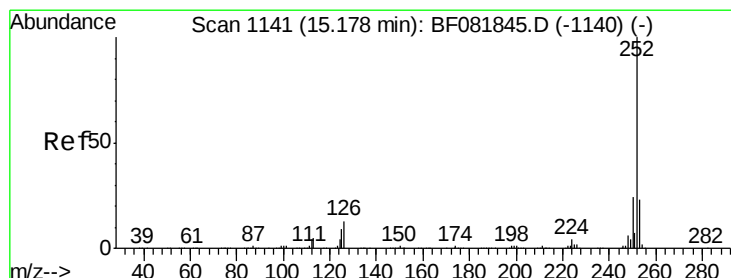
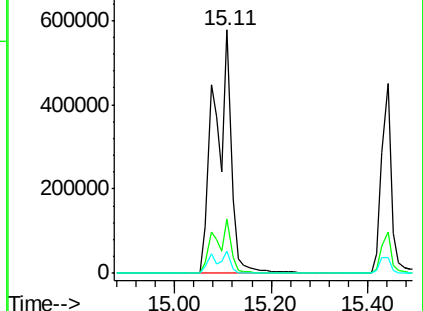
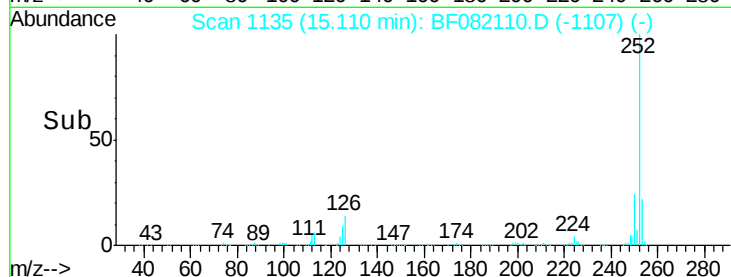
125 9.1 17.1 25.7#



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: 114.04 ng

RT: 15.11 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

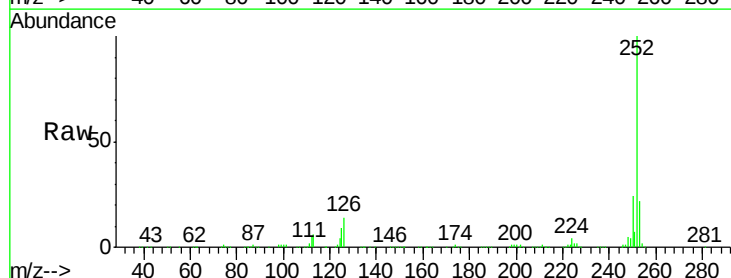
Tgt Ion:252 Resp: 1401273

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

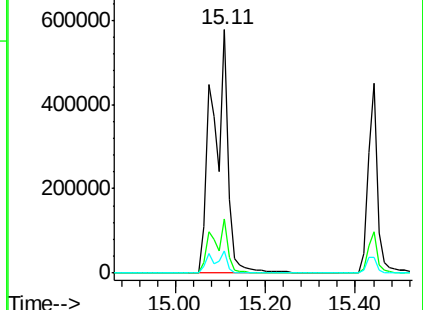
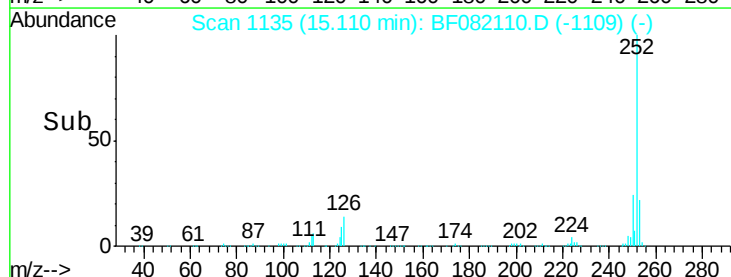
125 9.1 16.0 24.0#



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: 56.36 ng

RT: 15.44 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

Instrument :

BNA_F

ClientSampleId :

WC093015MSD

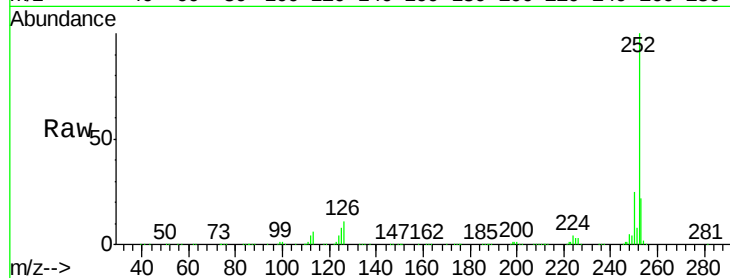
Tot Ion:252 Resp: 655473

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

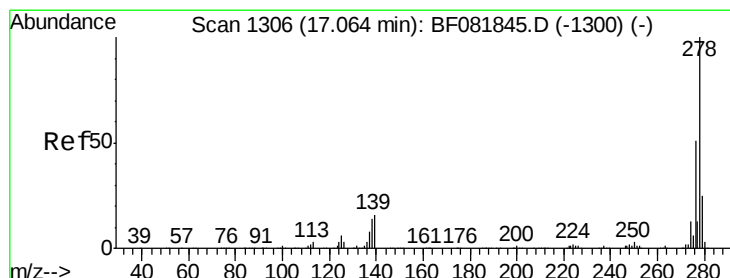
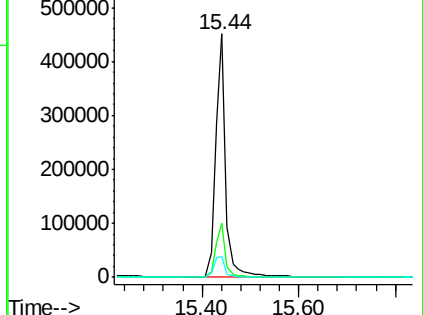
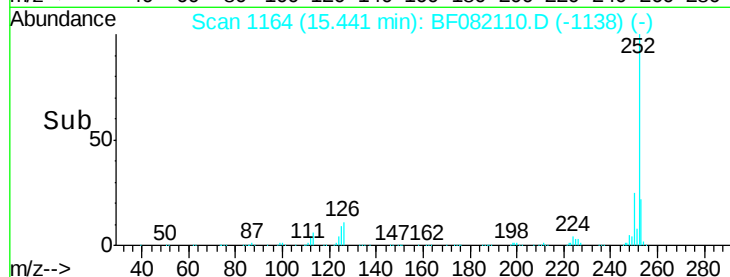
125 8.5 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 52.63 ng

RT: 16.95 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF082110.D

Acq: 7 Oct 2015 18:02

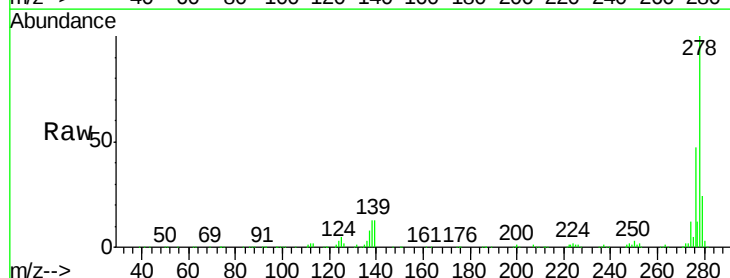
Tgt Ion:278 Resp: 513567

Ion Ratio Lower Upper

278 100

139 13.4 26.3 39.5#

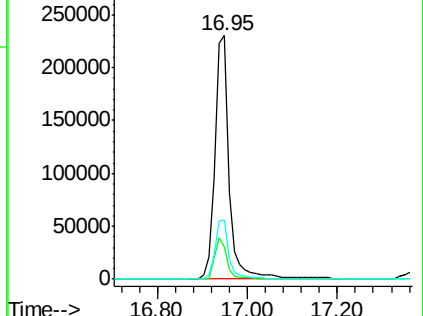
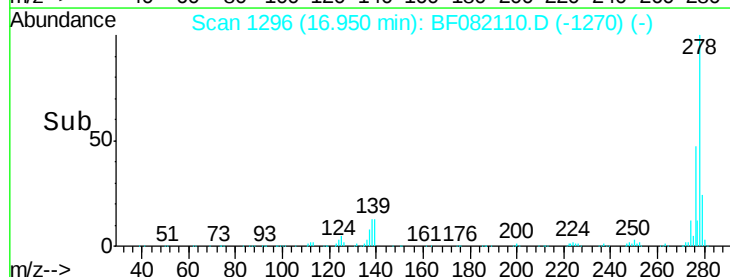
279 24.2 18.2 27.4

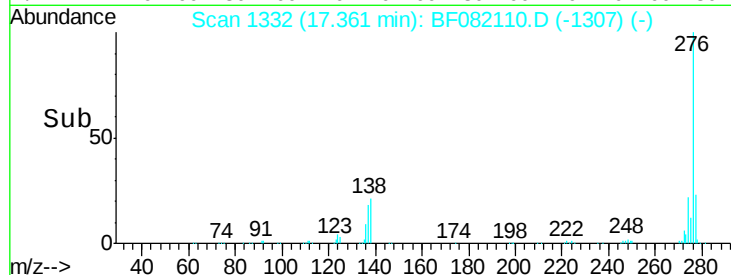
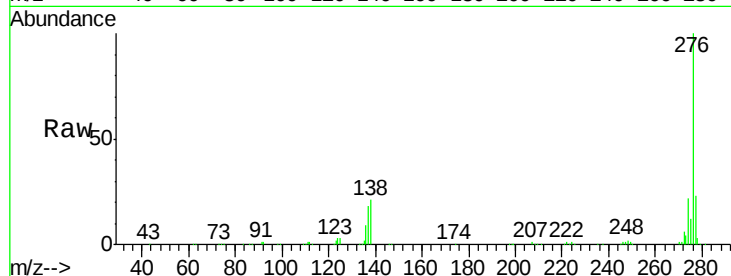


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 51.41 ng
 RT: 17.36 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF082110.D
 Acq: 7 Oct 2015 18:02

Instrument :
 BNA_F
 ClientSampleId :
 WC093015MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.8	26.6
138	21.4	34.6	51.8#

