

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086377.D
 Acq On : 23 Apr 2016 8:16
 Operator : UM/SJ
 Sample : H2634-11MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Quant Time: Apr 25 00:44:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	175765	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	723898	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	357767	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	657204	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	395059	20.00	ng	0.00
86) Perylene-d12	15.41	264	376783	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	677964	66.61	ng	0.01
7) Phenol-d6	6.48	99	637223	46.05	ng	0.00
23) Nitrobenzene-d5	7.41	82	1020190	83.48	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	375478	115.94	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1687935	80.51	ng	0.00
78) Terphenyl-d14	12.95	244	1366791	85.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	83126	14.77	ng	98
3) Pyridine	3.20	79	196510	14.65	ng	98
4) n-Nitrosodimethylamine	3.12	42	86658	17.03	ng	94
6) Aniline	6.50	93	358539	21.23	ng	96
8) 2-Chlorophenol	6.62	128	430759	34.66	ng	100
9) Benzaldehyde	6.38	77	91721	10.91	ng	91
10) Phenol	6.49	94	264767	16.21	ng	99
11) bis(2-Chloroethyl)ether	6.58	93	491720	34.57	ng	97
12) 1,3-Dichlorobenzene	6.78	146	484752	36.58	ng	97
13) 1,4-Dichlorobenzene	6.86	146	500248	34.37	ng	98
14) 1,2-Dichlorobenzene	7.01	146	488699	36.95	ng	98
15) Benzyl Alcohol	6.99	79	268881	32.74	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	650241	34.87	ng	100
17) 2-Methylphenol	7.10	107	315734	31.01	ng	98
18) Hexachloroethane	7.36	117	201178	41.03	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	345414	41.77	ng	100
20) 3+4-Methylphenols	7.25	107	300558	27.85	ng	# 68
22) Acetophenone	7.25	105	658603	43.37	ng	93
24) Nitrobenzene	7.42	77	488194	37.24	ng	96
25) Isophorone	7.66	82	934188	39.01	ng	99
26) 2-Nitrophenol	7.74	139	277322	42.82	ng	98
27) 2,4-Dimethylphenol	7.79	122	437658	39.46	ng	97
28) bis(2-Chloroethoxy)methane	7.88	93	600845	44.93	ng	98
29) 2,4-Dichlorophenol	7.98	162	407264	44.43	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	405903	40.76	ng	97
31) Naphthalene	8.14	128	1457106	39.51	ng	98
32) Benzoic acid	7.87	122	82230	11.60	ng	# 75
33) 4-Chloroaniline	8.20	127	221716	15.43	ng	98
34) Hexachlorobutadiene	8.27	225	202938	40.81	ng	99
35) Caprolactam	8.62	113	29366	8.93	ng	92
36) 4-Chloro-3-methylphenol	8.68	107	436278	40.04	ng	97
37) 2-Methylnaphthalene	8.84	142	946610	44.51	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	361756	39.08	ng	99
40) Hexachlorocyclopentadiene	8.99	237	301566	66.70	ng	95

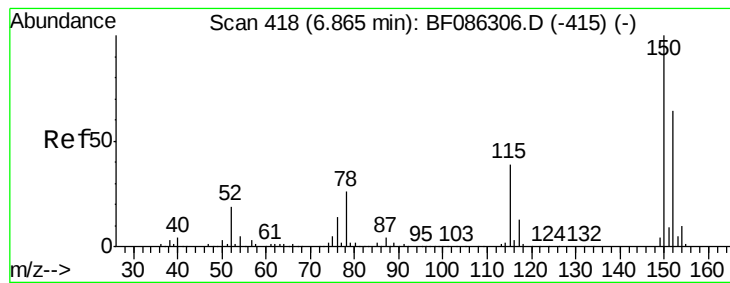
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	270353	44.55	ng	99
43) 2,4,5-Trichlorophenol	9.16	196	305223	40.85	ng	97
45) 1,1'-Biphenyl	9.31	154	1131050	40.75	ng	99
46) 2-Chloronaphthalene	9.33	162	909838	41.41	ng	98
47) 2-Nitroaniline	9.42	65	305363	44.64	ng	97
48) Acenaphthylene	9.74	152	1481012	41.58	ng	100
49) Dimethylphthalate	9.61	163	1035849	40.08	ng	99
50) 2,6-Dinitrotoluene	9.66	165	235596	42.20	ng	97
51) Acenaphthene	9.92	154	956449	43.71	ng	99
52) 3-Nitroaniline	9.84	138	145428	20.81	ng	99
53) 2,4-Dinitrophenol	9.94	184	170603	58.78	ng	93
54) Dibenzofuran	10.09	168	1268857	45.15	ng	99
55) 4-Nitrophenol	10.00	139	175706	35.93	ng	81
56) 2,4-Dinitrotoluene	10.08	165	324843	43.82	ng	# 69
57) Fluorene	10.43	166	964627	41.89	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.20	232	248233	45.45	ng	99
59) Diethylphthalate	10.30	149	1006630	40.67	ng	99
60) 4-Chlorophenyl-phenylether	10.42	204	392010	38.93	ng	98
61) 4-Nitroaniline	10.45	138	281157	39.30	ng	95
62) Azobenzene	10.58	77	1086190	42.32	ng	97
64) 4,6-Dinitro-2-methylphenol	10.48	198	148229	36.91	ng	97
65) n-Nitrosodiphenylamine	10.54	169	892536	44.04	ng	100
66) 4-Bromophenyl-phenylether	10.91	248	277957	43.19	ng	93
67) Hexachlorobenzene	10.97	284	280264	40.82	ng	# 57
68) Atrazine	11.08	200	269136	43.01	ng	97
69) Pentachlorophenol	11.17	266	326800	81.05	ng	97
70) Phenanthrene	11.39	178	1421581	43.05	ng	100
71) Anthracene	11.44	178	1482397	39.18	ng	100
72) Carbazole	11.60	167	1500478	42.22	ng	99
73) Di-n-butylphthalate	11.93	149	1549162	41.44	ng	99
74) Fluoranthene	12.57	202	1334529	37.47	ng	98
76) Benzidine	12.71	184	84873	5.24	ng	# 90
77) Pyrene	12.80	202	1328800	48.23	ng	99
79) Butylbenzylphthalate	13.43	149	628004	48.93	ng	97
80) Benzo(a)anthracene	13.99	228	929856	45.34	ng	100
81) 3,3'-Dichlorobenzidine	13.95	252	90040	6.37	ng	99
82) Chrysene	14.02	228	927899	40.16	ng	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	684278	47.61	ng	99
84) Di-n-octyl phthalate	14.59	149	1186523	43.00	ng	100
85) Indeno(1,2,3-cd)pyrene	16.80	276	1044310	50.84	ng	98
87) Benzo(h)fluoranthene	15.04	252	1826134	88.30	ng	98
88) Benzo(k)fluoranthene	15.04	252	1828284	90.07	ng	98
89) Benzo(a)pyrene	15.36	252	885935	43.42	ng	97
90) Dibenzo(a,h)anthracene	16.81	278	867211	51.53	ng	99
91) Benzo(g,h,i)perylene	17.21	276	907115	52.21	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

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MW-11MSD

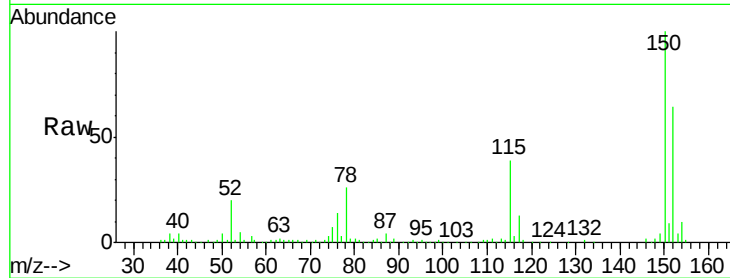
Tgt Ion: 152 Resp: 175765

Ion Ratio Lower Upper

152 100

150 156.1 125.8 188.6

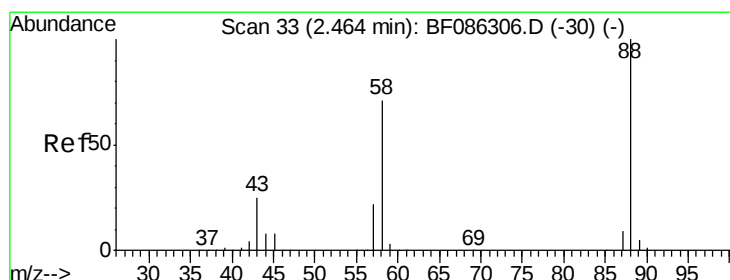
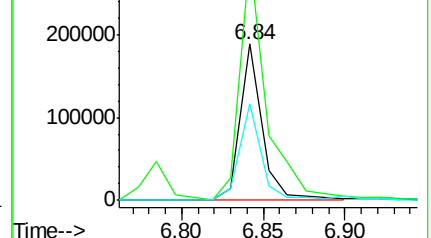
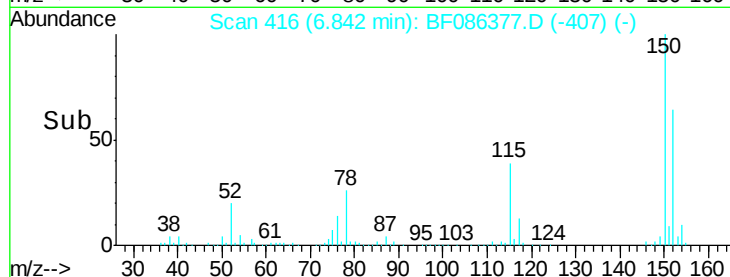
115 61.5 51.5 77.3



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: 14.77 ng

RT: 2.45 min Scan# 32

Delta R.T. 0.05 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

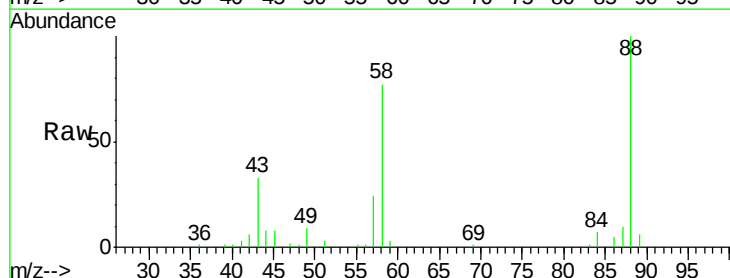
Tgt Ion: 88 Resp: 83126

Ion Ratio Lower Upper

88 100

58 72.9 59.6 89.4

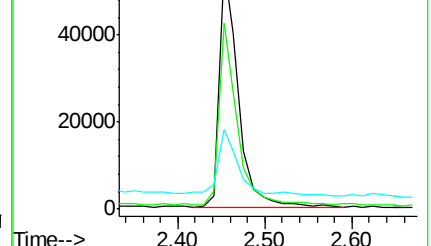
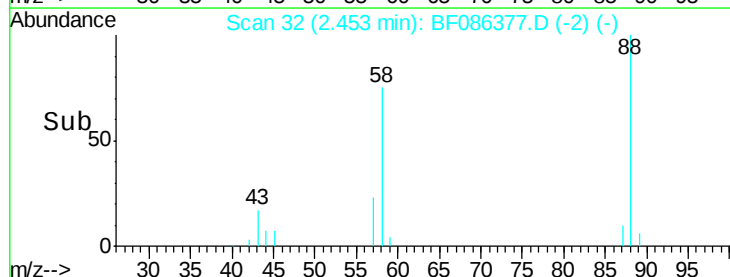
43 25.8 21.8 32.6

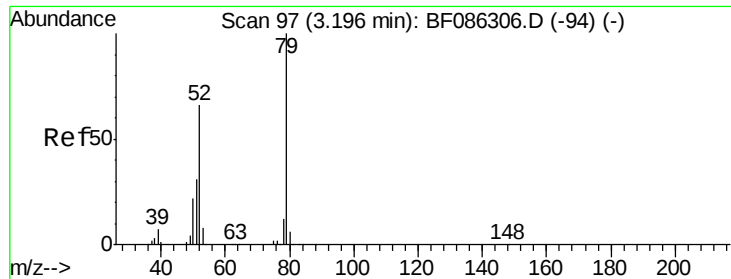


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 14.65 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.07 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

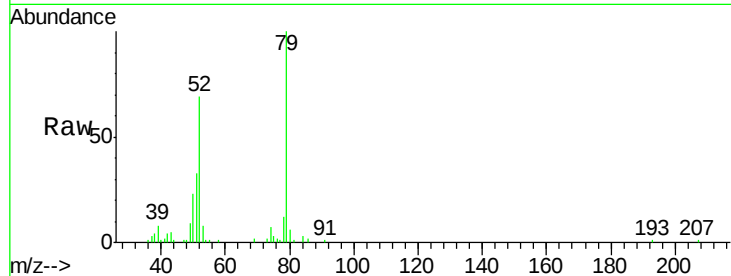
Tgt Ion: 79 Resp: 196510

Ion Ratio Lower Upper

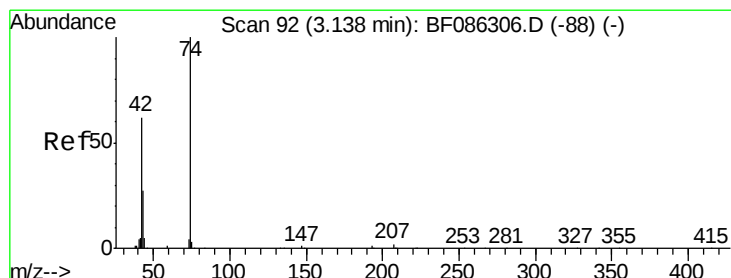
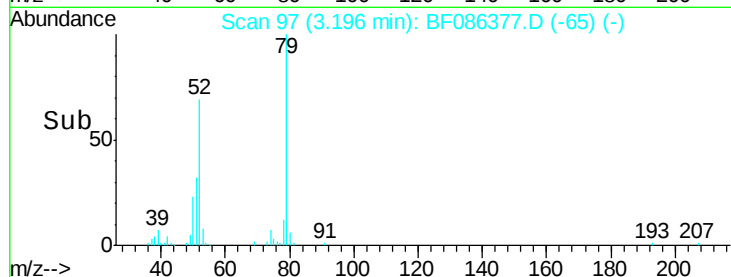
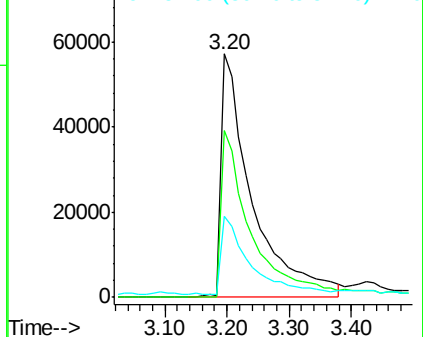
79 100

52 68.6 55.9 83.9

51 33.1 28.1 42.1



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 17.03 ng

RT: 3.12 min Scan# 90

Delta R.T. 0.05 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

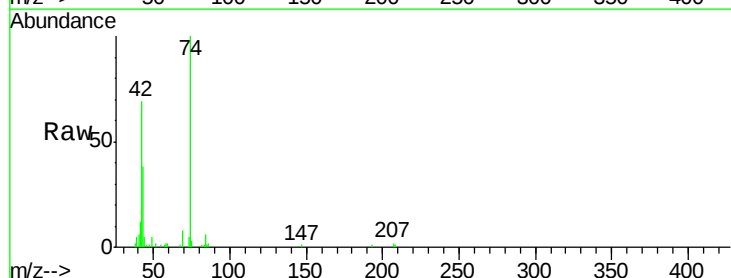
Tgt Ion: 42 Resp: 86658

Ion Ratio Lower Upper

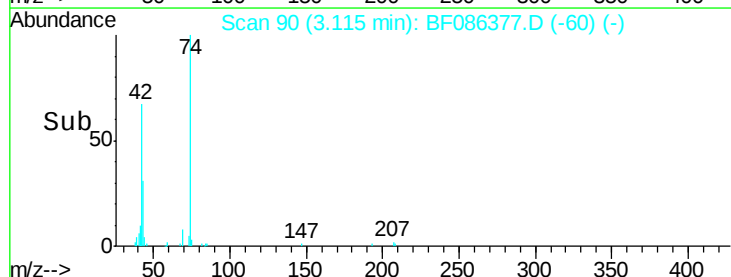
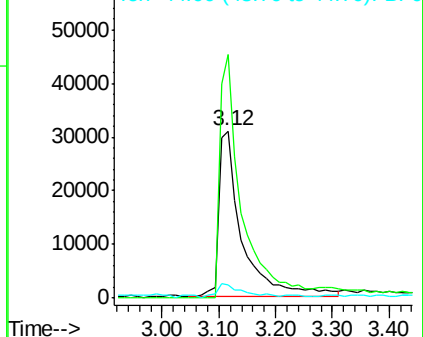
42 100

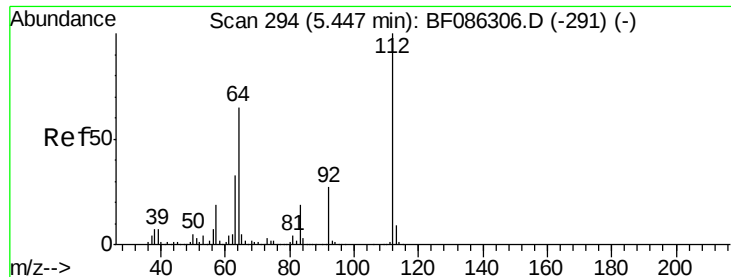
74 146.0 123.4 185.0

44 7.7 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 66.61 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

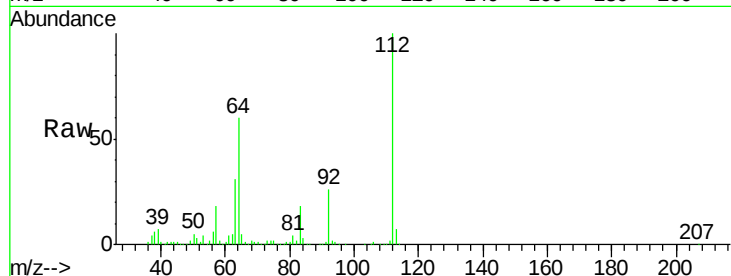
Tgt Ion: 112 Resp: 677964

Ion Ratio Lower Upper

112 100

64 60.5 52.1 78.1

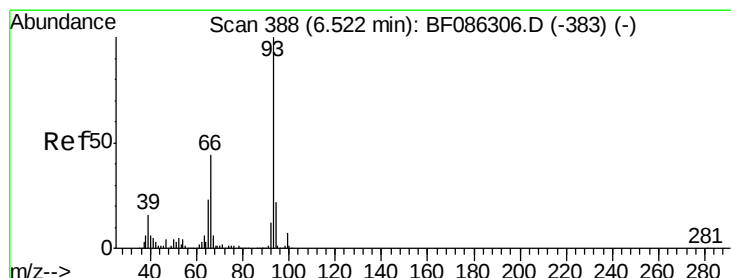
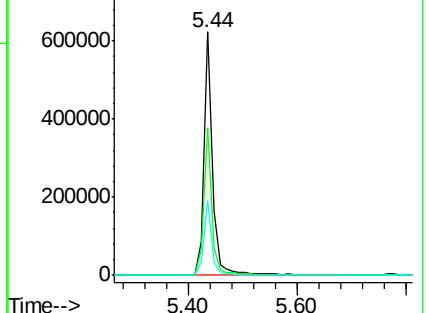
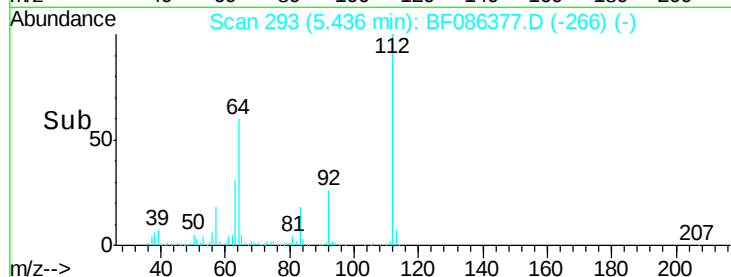
63 30.6 25.7 38.5



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: 21.23 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

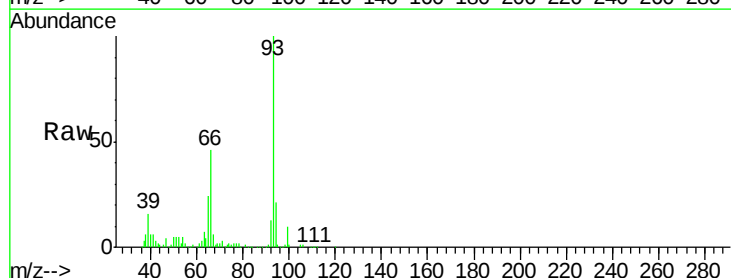
Tgt Ion: 93 Resp: 358539

Ion Ratio Lower Upper

93 100

66 45.7 39.0 58.6

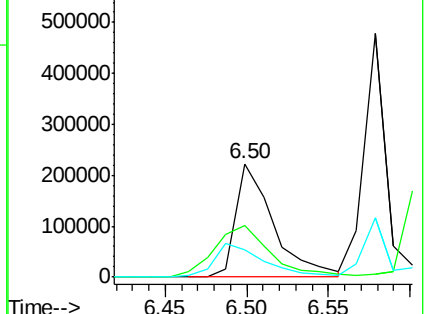
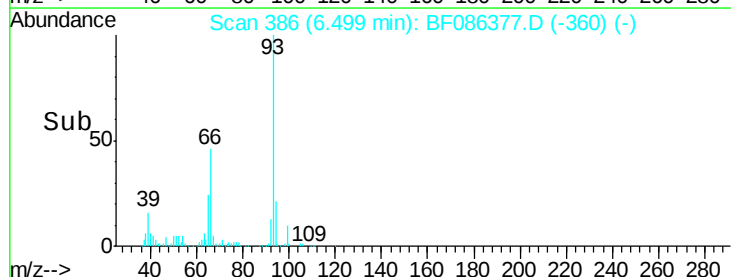
65 23.7 20.6 31.0

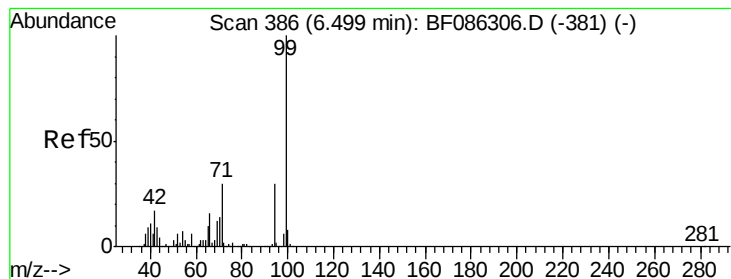


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 46.05 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF086377.D

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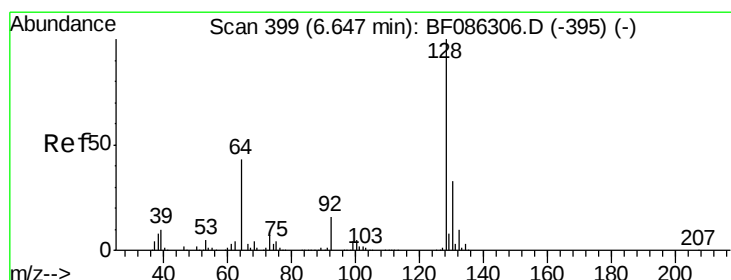
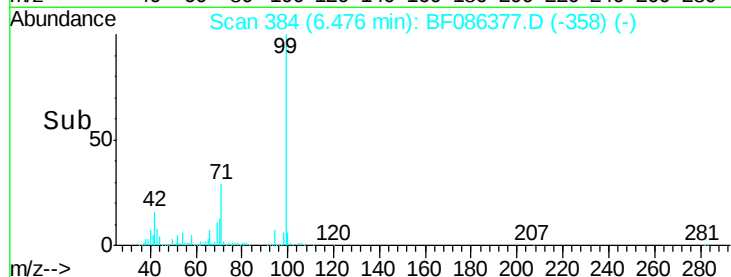
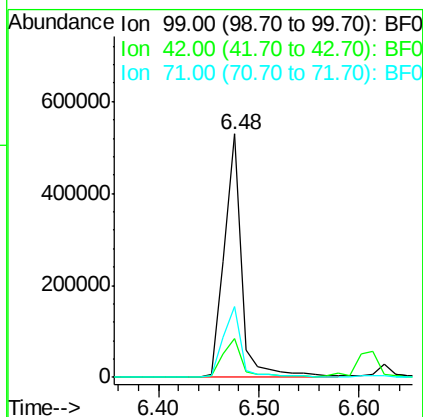
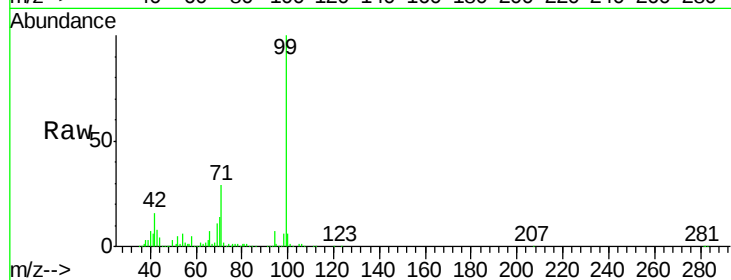
Tgt Ion: 99 Resp: 637223

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

71 29.2 24.6 36.8



#8

2-Chlorophenol

Concen: 34.66 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

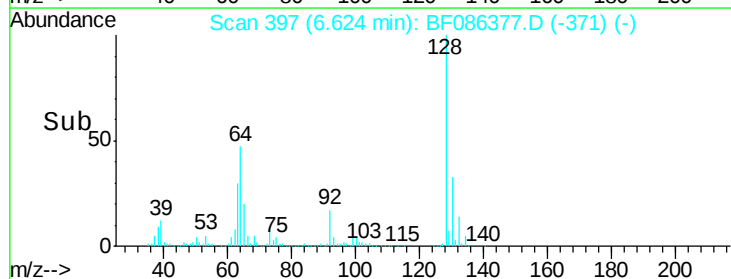
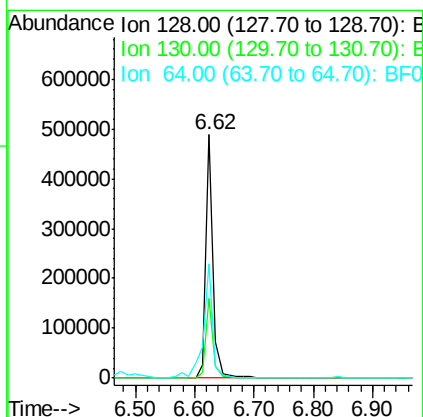
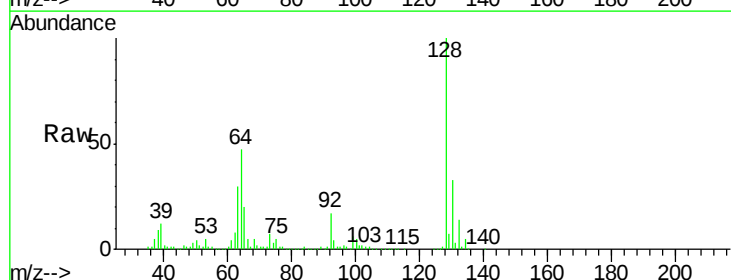
Tgt Ion: 128 Resp: 430759

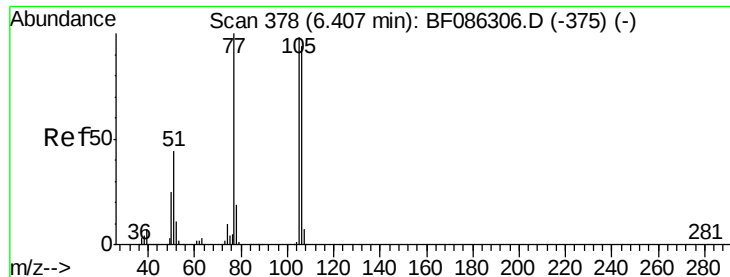
Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

64 47.2 27.3 67.3





#9

Benzaldehyde

Concen: 10.91 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF086377.D

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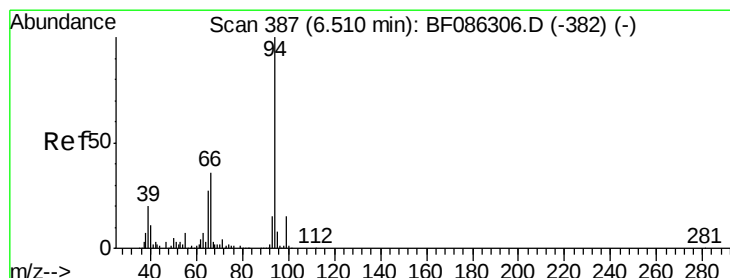
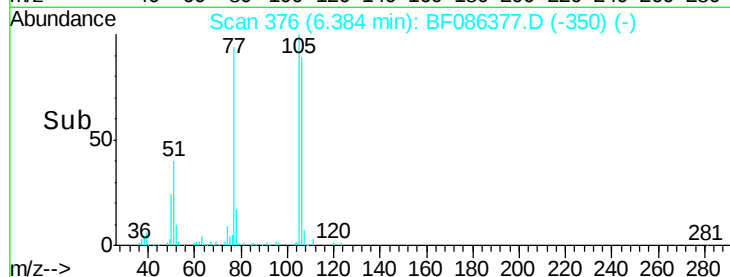
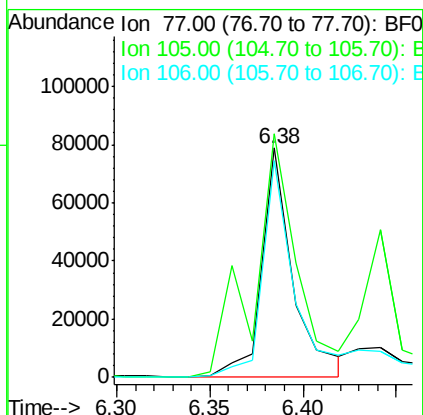
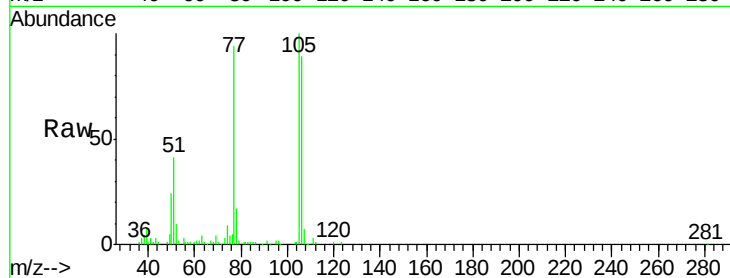
Tgt Ion: 77 Resp: 91721

Ion Ratio Lower Upper

77 100

105 106.2 72.7 112.7

106 94.6 70.8 110.8



#10

Phenol

Concen: 16.21 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

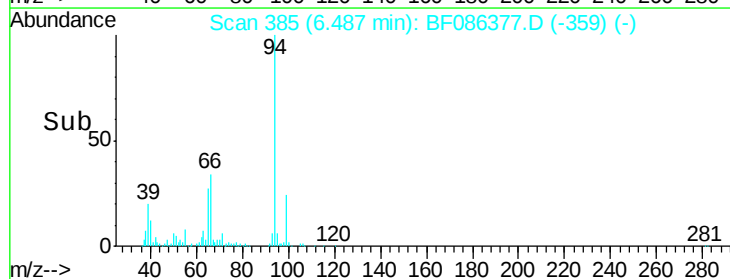
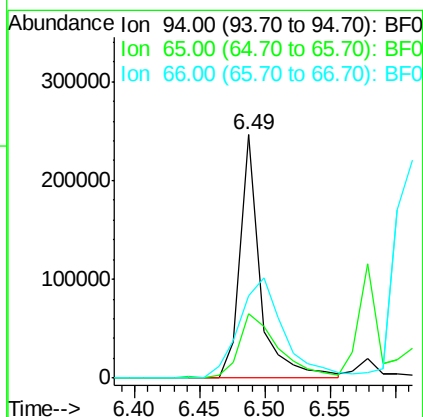
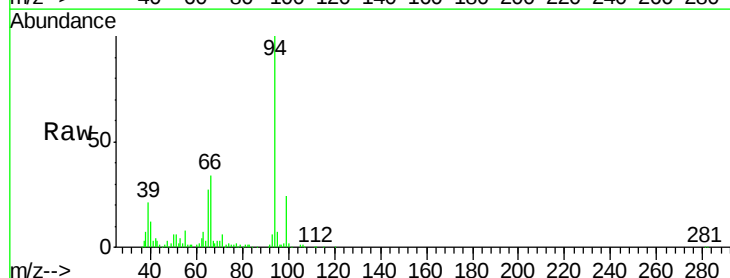
Tgt Ion: 94 Resp: 264767

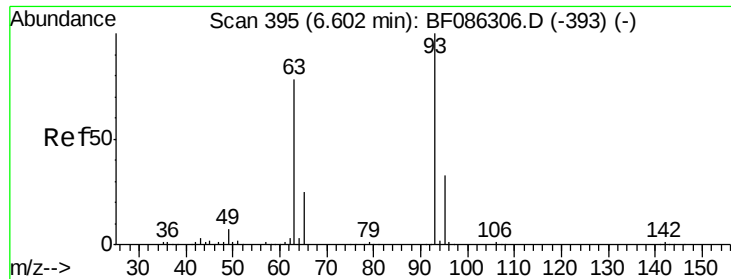
Ion Ratio Lower Upper

94 100

65 26.6 7.2 47.2

66 34.1 14.9 54.9

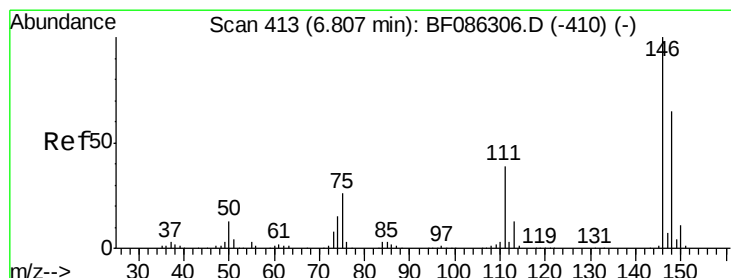
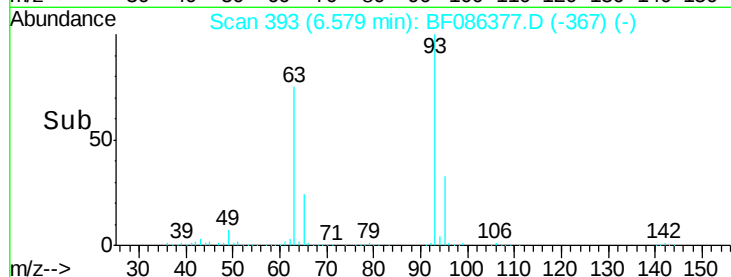
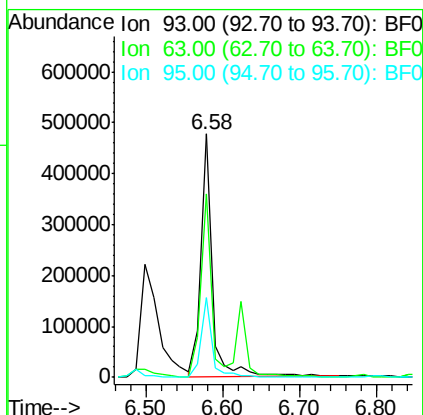
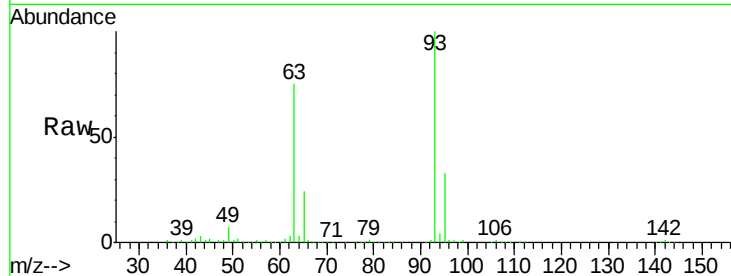




#11
bis(2-Chloroethyl)ether
Concen: 34.57 ng
RT: 6.58 min Scan# 393
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

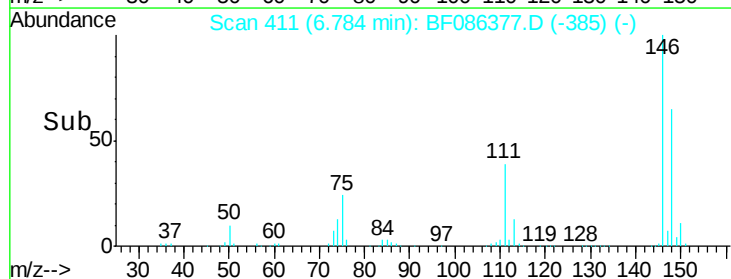
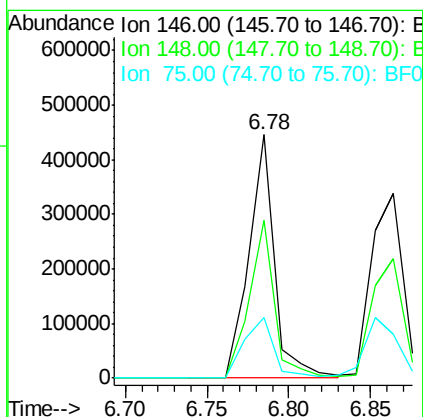
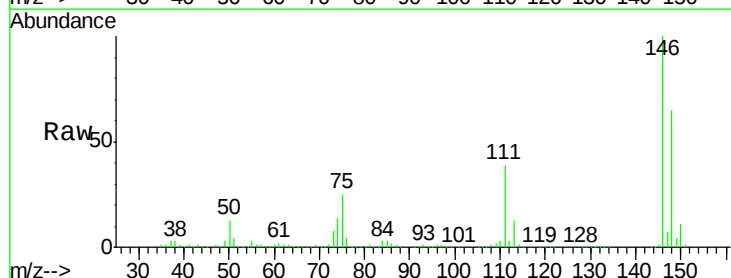
Instrument :
BNA_F
ClientSampleId :
MW-11MSD

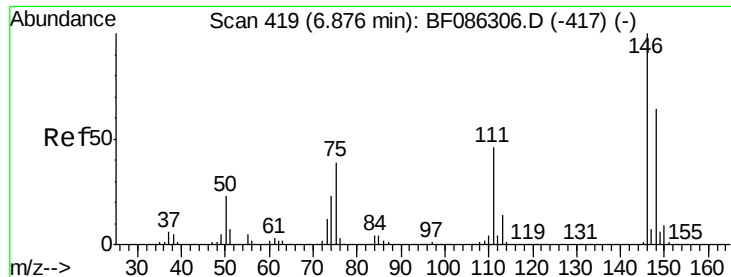
Tgt Ion: 93 Resp: 491720
Ion Ratio Lower Upper
93 100
63 75.2 58.0 98.0
95 32.7 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 36.58 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion: 146 Resp: 484752
Ion Ratio Lower Upper
146 100
148 64.7 52.4 78.6
75 24.8 22.8 34.2

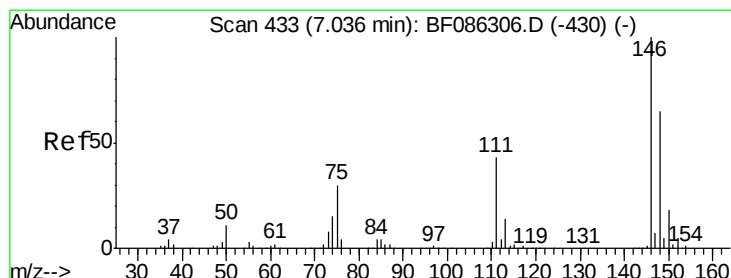
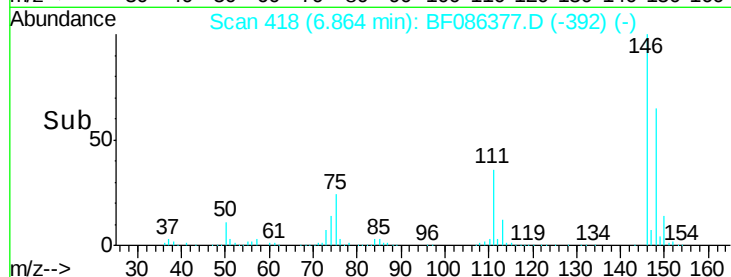
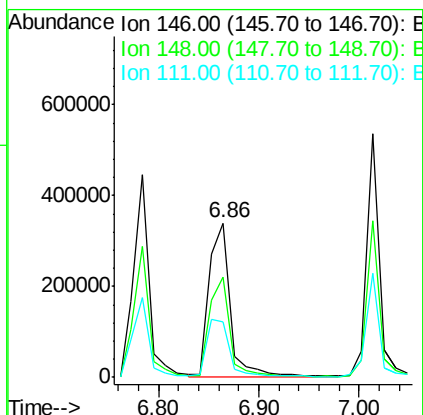
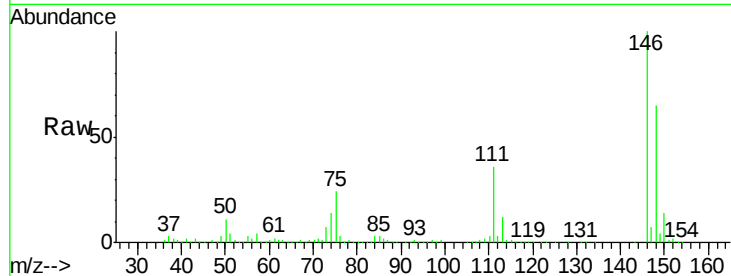




#13
 1,4-Dichlorobenzene
 Concen: 34.37 ng
 RT: 6.86 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

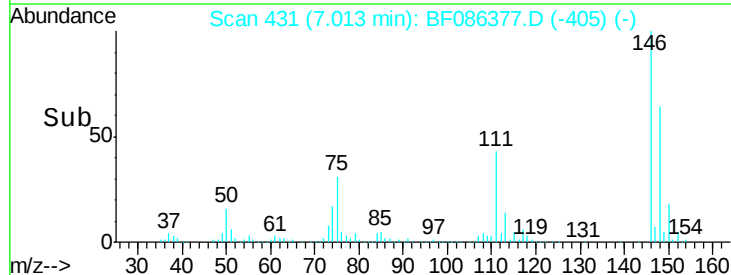
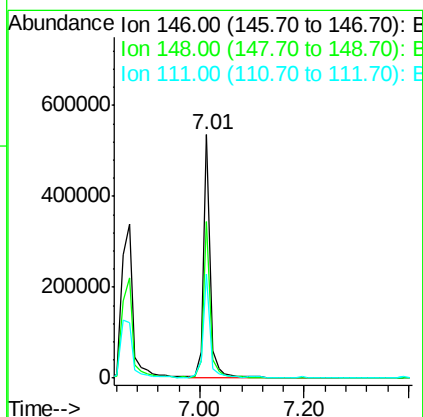
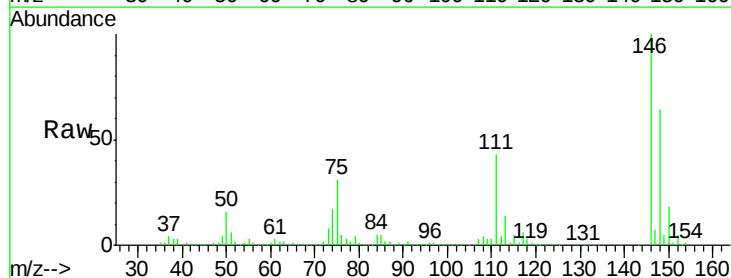
Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

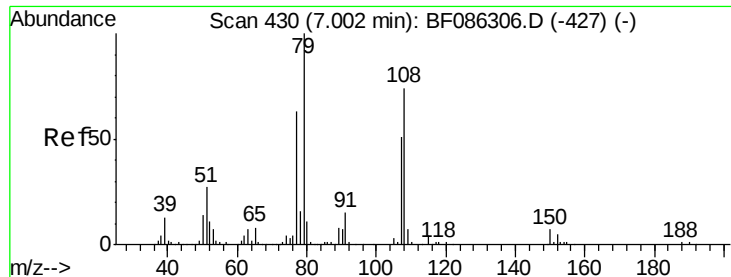
Tgt Ion:146 Resp: 500248
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.2 78.4
 111 36.1 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 36.95 ng
 RT: 7.01 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:146 Resp: 488699
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.0 76.6
 111 43.0 36.2 54.4





#15

Benzyl Alcohol

Concen: 32.74 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

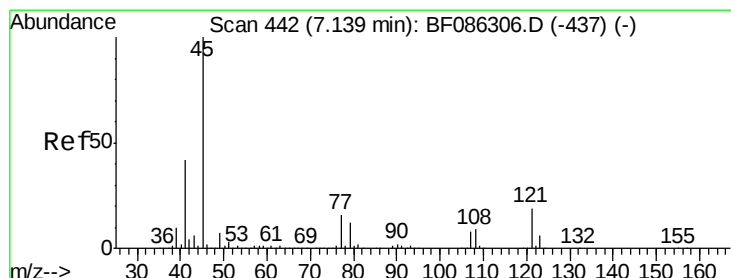
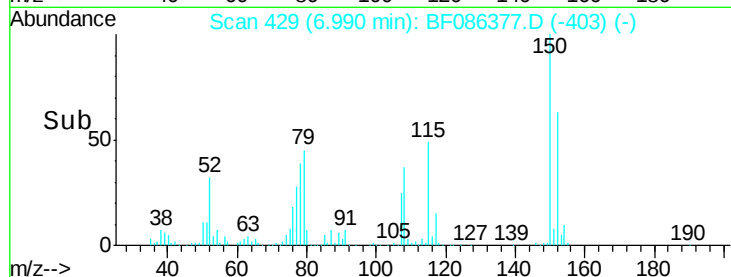
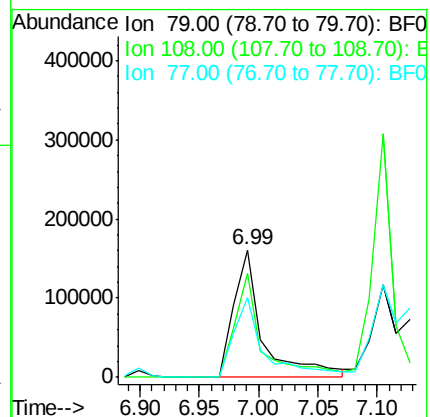
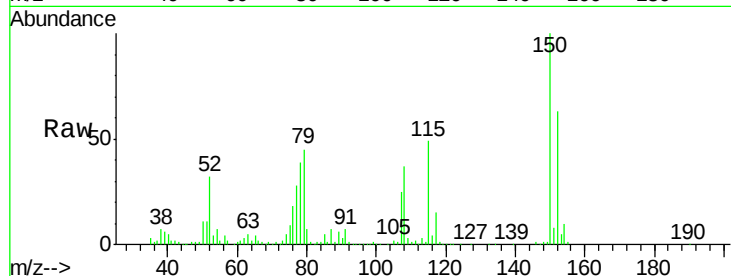
Tgt Ion: 79 Resp: 268881

Ion Ratio Lower Upper

79 100

108 81.9 68.4 102.6

77 62.2 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.87 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

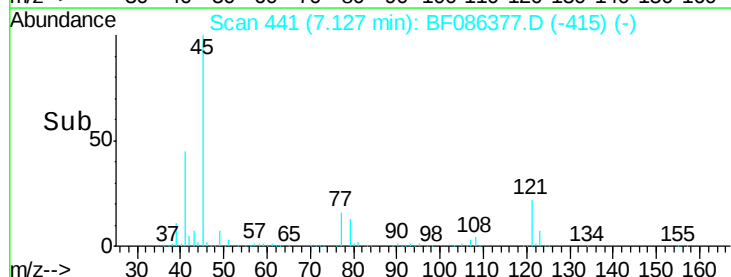
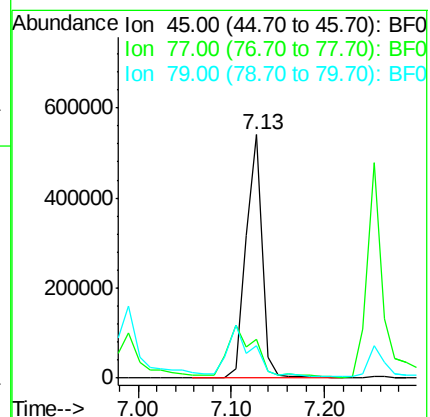
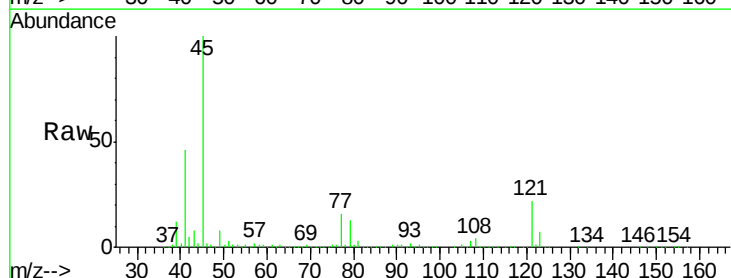
Tgt Ion: 45 Resp: 650241

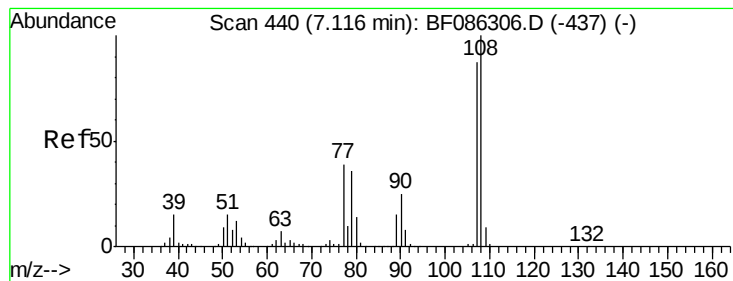
Ion Ratio Lower Upper

45 100

77 16.2 0.0 36.4

79 13.5 0.0 33.4





#17

2-Methylphenol

Concen: 31.01 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

Tgt Ion:107 Resp: 315734

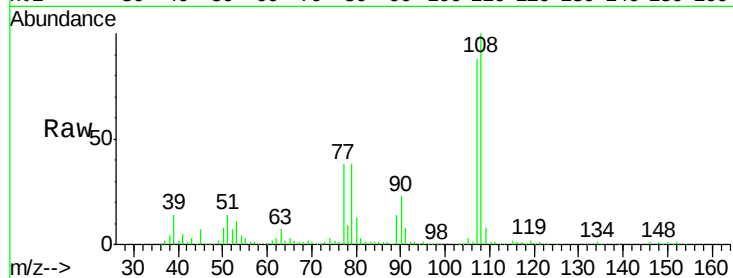
Ion Ratio Lower Upper

107 100

108 114.1 93.7 140.5

77 43.5 33.4 50.0

79 43.6 34.3 51.5

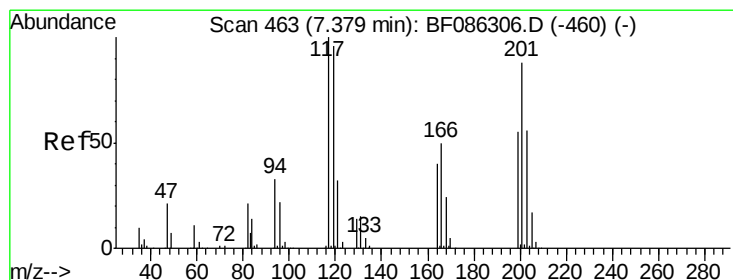
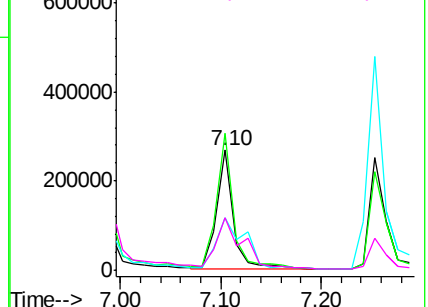
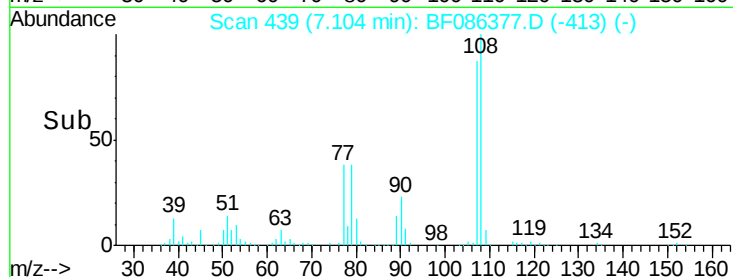


Abundance Ion 107.00 (106.70 to 107.70): E

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: 41.03 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

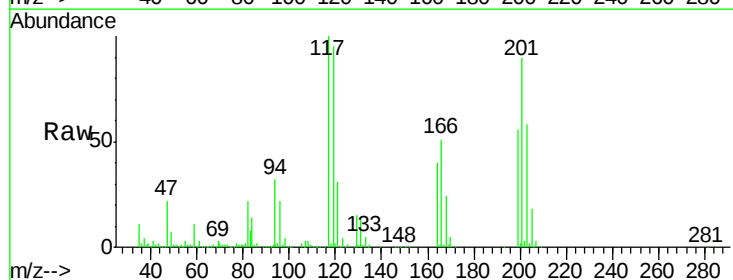
Tgt Ion:117 Resp: 201178

Ion Ratio Lower Upper

117 100

119 95.1 76.5 114.7

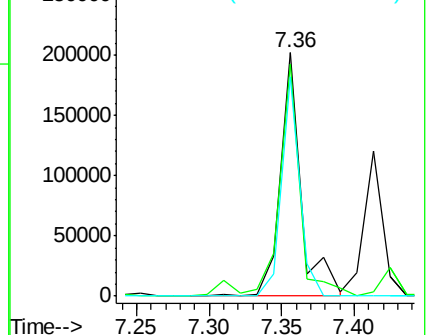
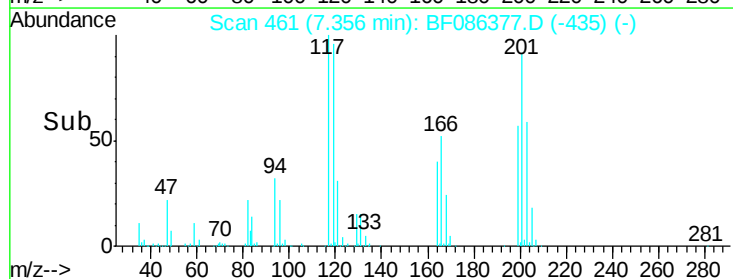
201 90.1 63.0 94.6

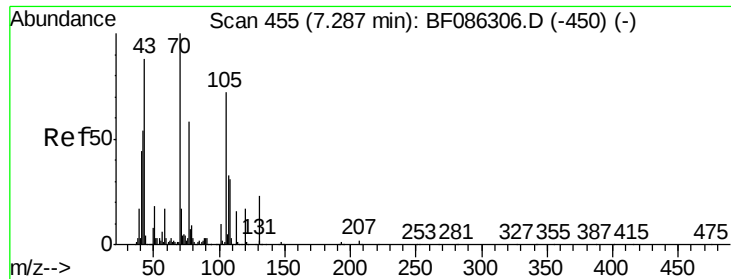


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

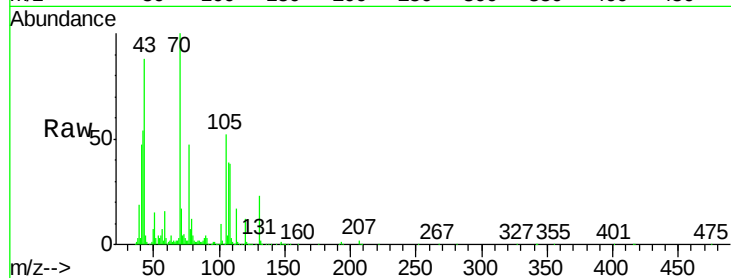




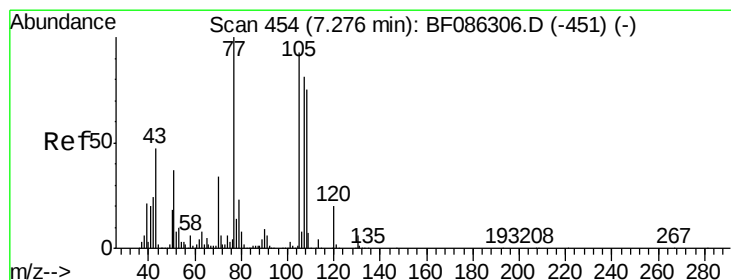
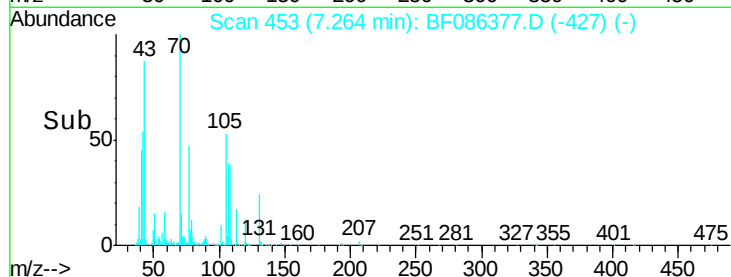
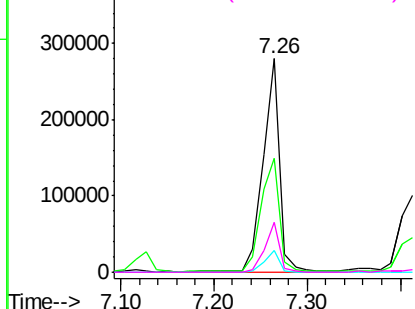
#19
n-Nitroso-di-n-propylamine
Concen: 41.77 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Instrument :
BNA_F
ClientSampleId :
MW-11MSD

Tgt Ion: 70 Resp: 345414
Ion Ratio Lower Upper
70 100
42 53.6 43.1 64.7
101 10.0 8.1 12.1
130 23.4 18.6 28.0

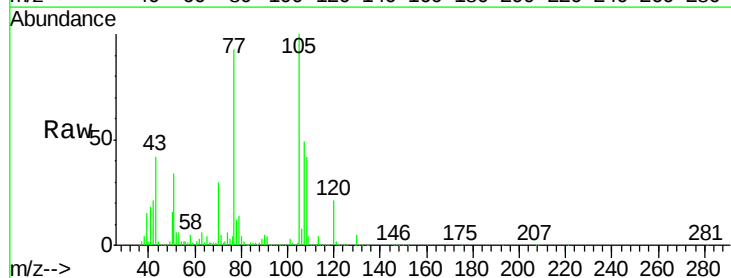


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

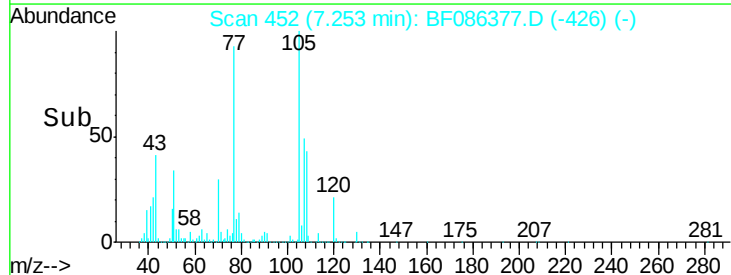
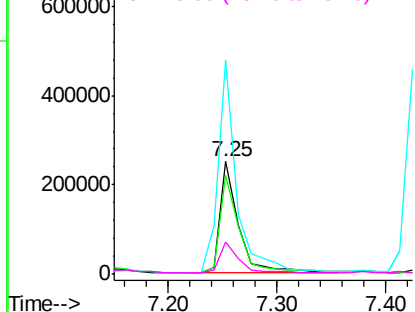


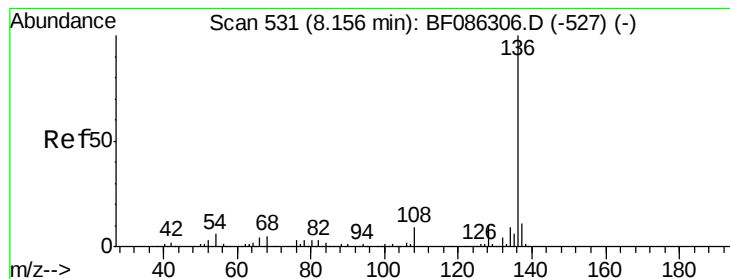
#20
3+4-Methylphenols
Concen: 27.85 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion: 107 Resp: 300558
Ion Ratio Lower Upper
107 100
108 87.4 68.5 108.5
77 190.5 101.6 141.6#
79 28.7 7.4 47.4



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

Tgt Ion:136 Resp: 723898

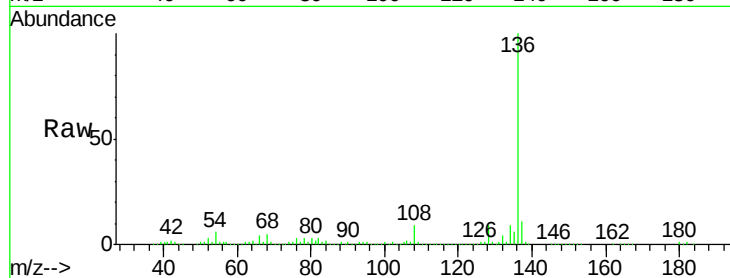
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.7 5.0 7.4

68 5.3 4.4 6.6

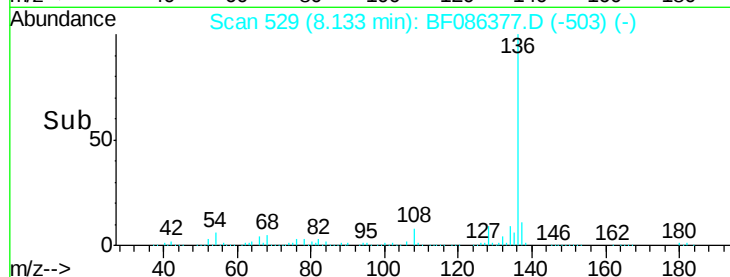


Abundance Ion 136.00 (135.70 to 136.70): E

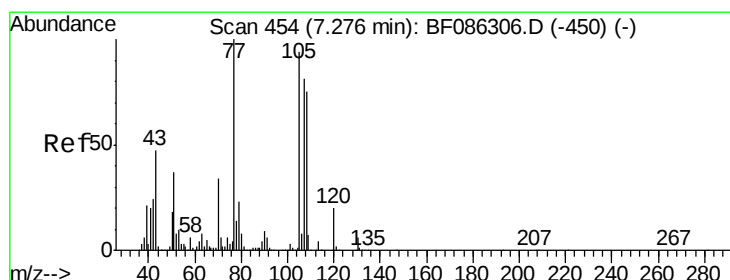
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 43.37 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Tgt Ion:105 Resp: 658603

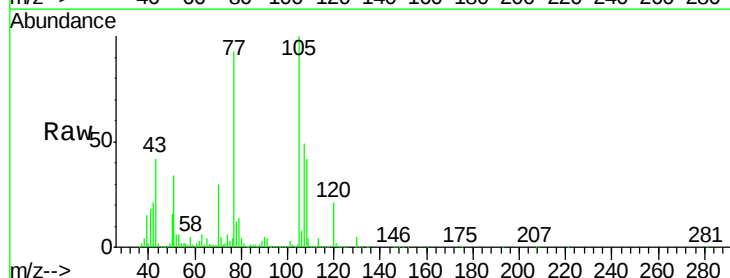
Ion Ratio Lower Upper

105 100

71 5.3 4.8 7.2

51 34.3 32.6 49.0

120 21.0 16.5 24.7

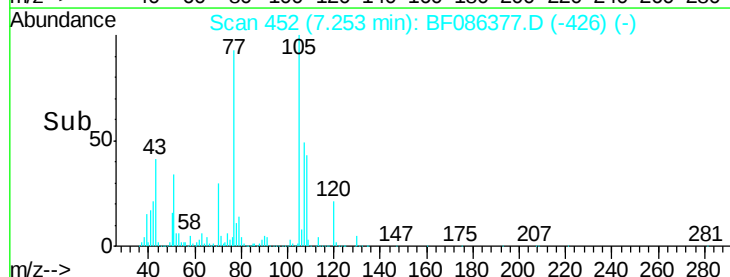


Abundance Ion 105.00 (104.70 to 105.70): E

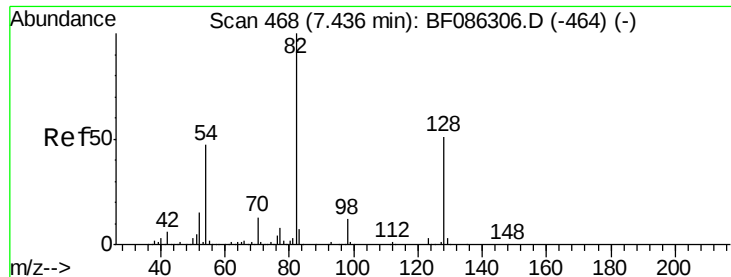
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



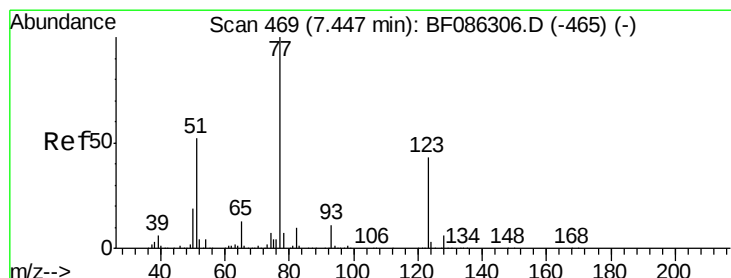
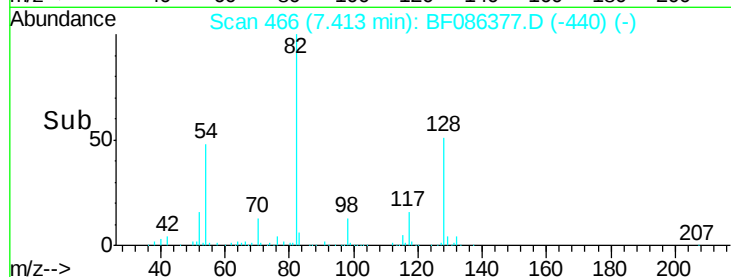
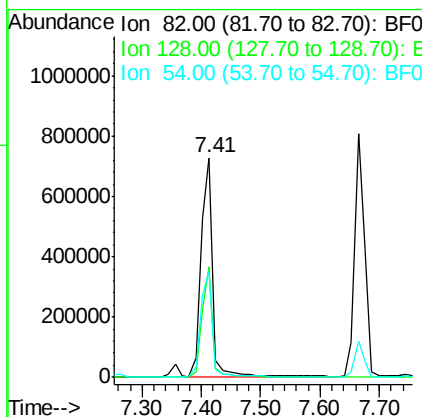
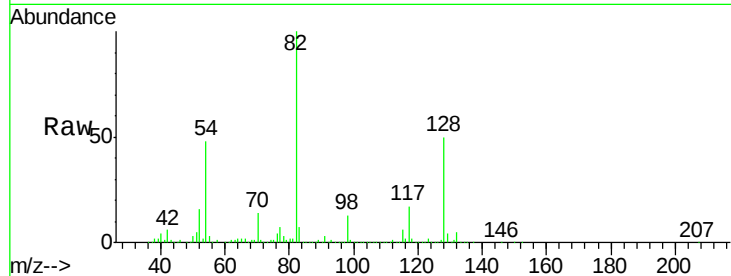
Time-->



#23
 Nitrobenzene-d5
 Concen: 83.48 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

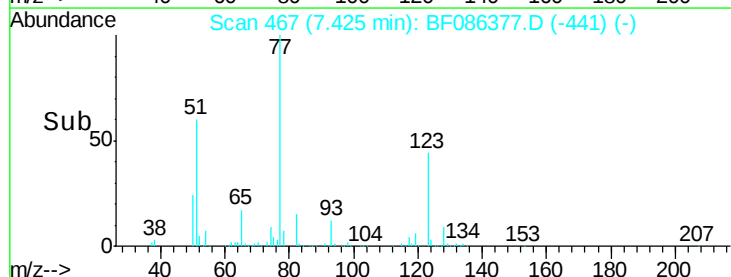
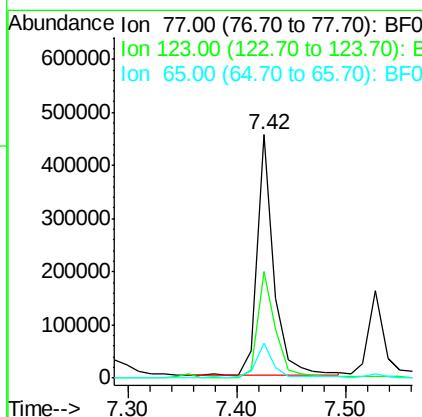
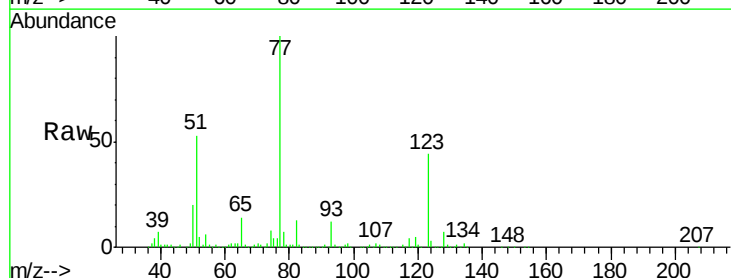
Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

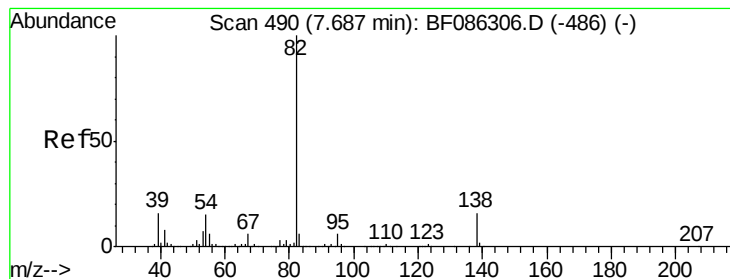
Tgt Ion: 82 Resp: 1020190
 Ion Ratio Lower Upper
 82 100
 128 50.5 40.6 61.0
 54 47.9 38.1 57.1



#24
 Nitrobenzene
 Concen: 37.24 ng
 RT: 7.42 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion: 77 Resp: 488194
 Ion Ratio Lower Upper
 77 100
 123 44.0 33.0 49.4
 65 14.3 10.8 16.2





#25

Isophorone

Concen: 39.01 ng

RT: 7.66 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

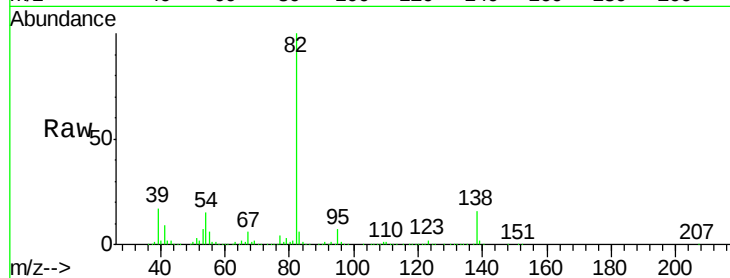
Tgt Ion: 82 Resp: 934188

Ion Ratio Lower Upper

82 100

95 6.8 5.1 7.7

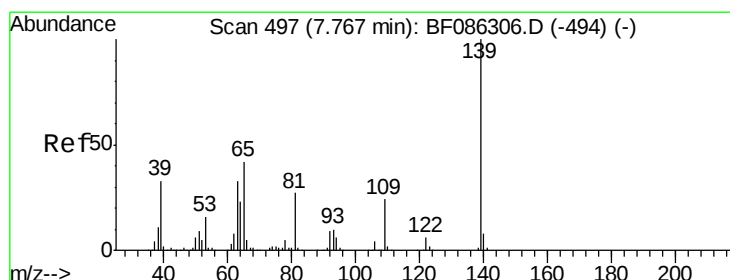
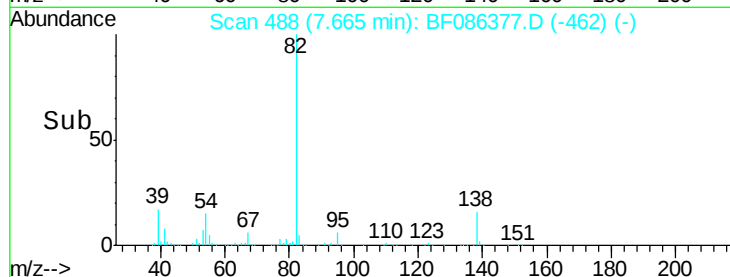
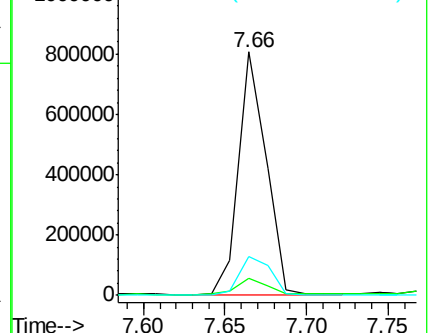
138 16.0 12.4 18.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 42.82 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

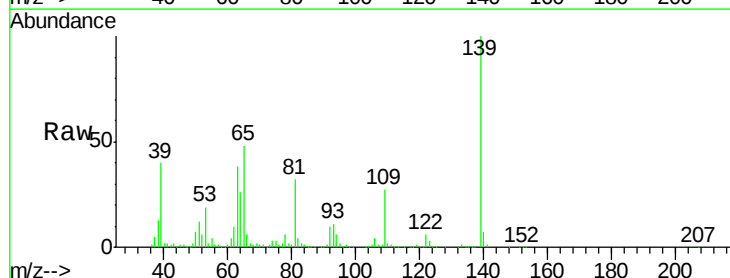
Tgt Ion: 139 Resp: 277322

Ion Ratio Lower Upper

139 100

109 27.0 19.5 29.3

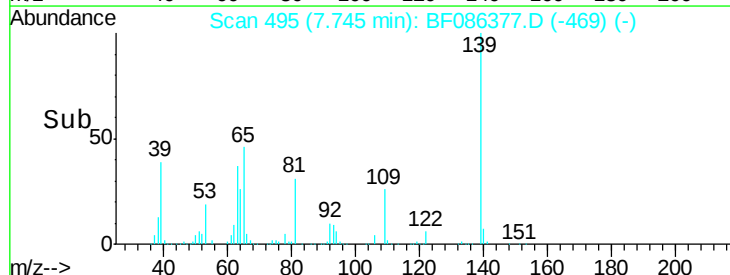
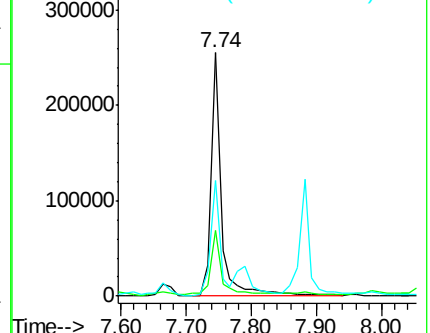
65 47.6 37.5 56.3

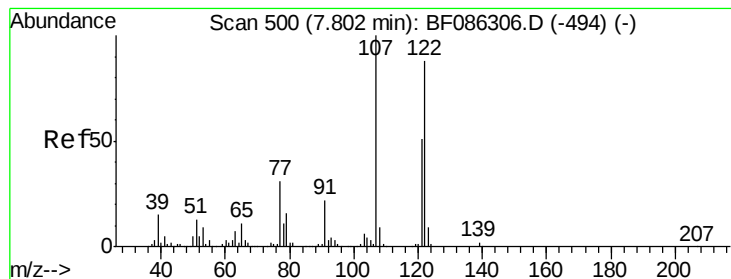


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 39.46 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

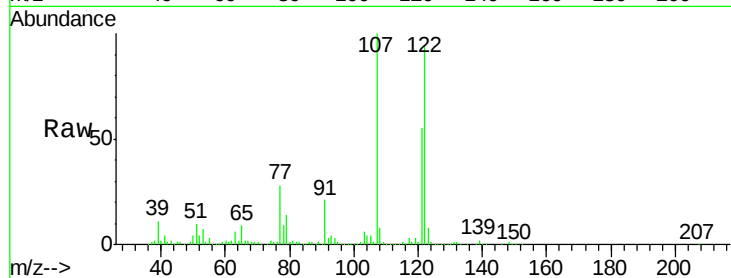
Tgt Ion:122 Resp: 437658

Ion Ratio Lower Upper

122 100

107 106.9 82.0 123.0

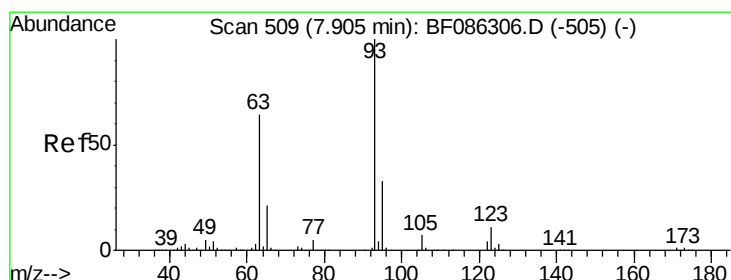
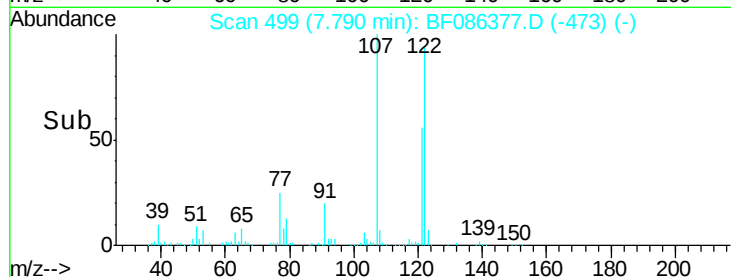
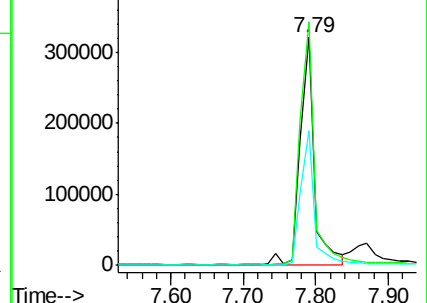
121 58.9 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.93 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

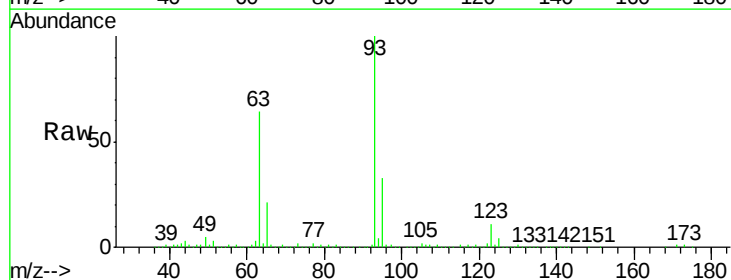
Tgt Ion: 93 Resp: 600845

Ion Ratio Lower Upper

93 100

95 33.3 26.0 39.0

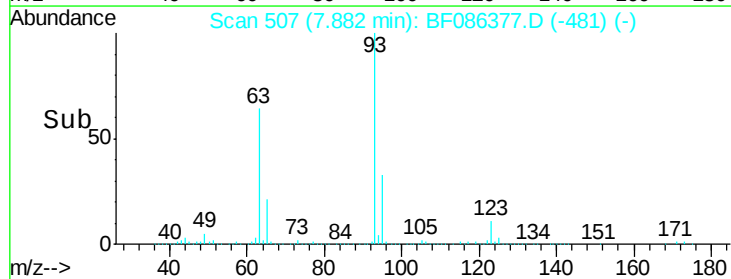
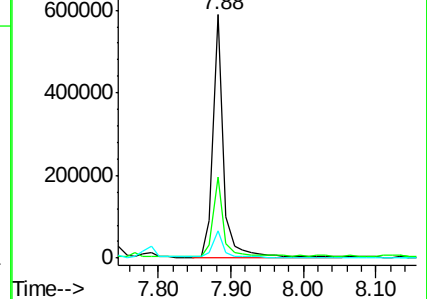
123 11.2 9.5 14.3

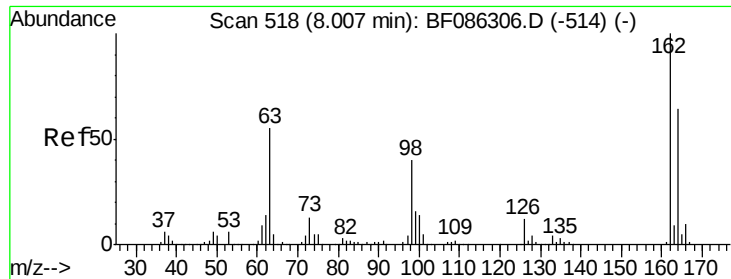


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

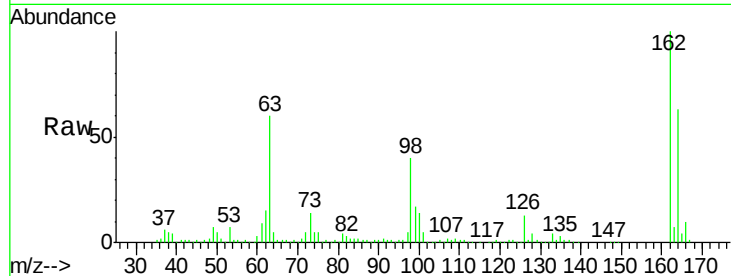




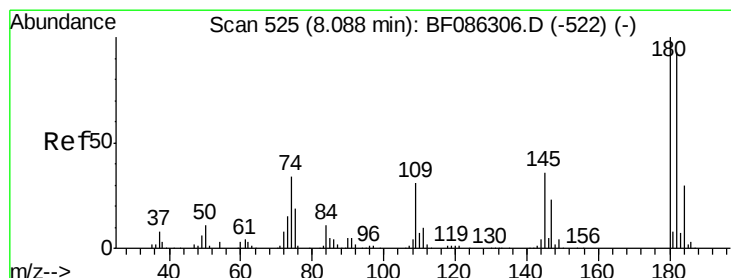
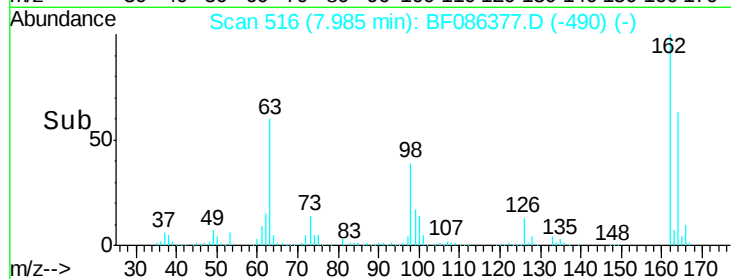
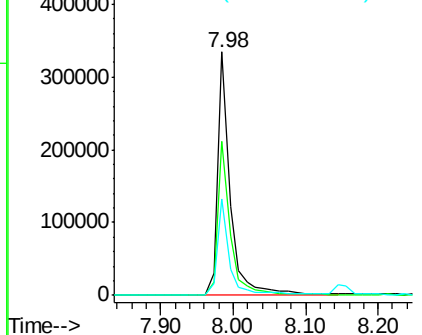
#29
 2,4-Dichlorophenol
 Concen: 44.43 ng
 RT: 7.98 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:162 Resp: 407264
 Ion Ratio Lower Upper
 162 100
 164 63.3 42.2 82.2
 98 39.5 19.0 59.0

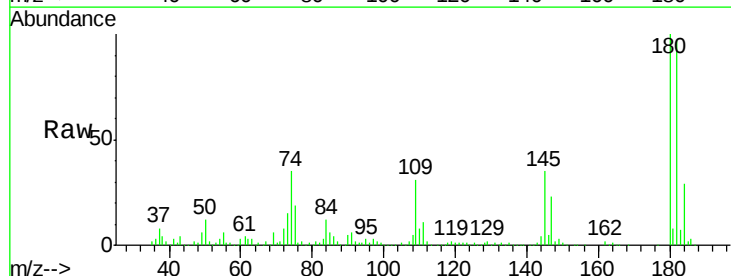


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

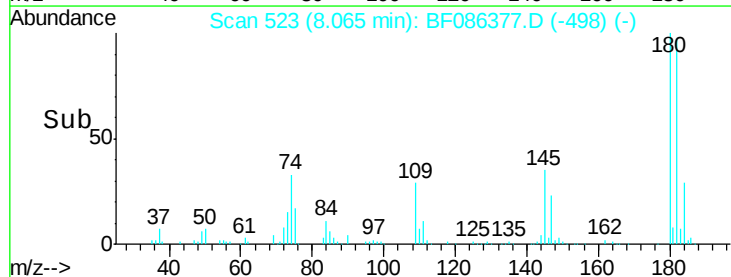
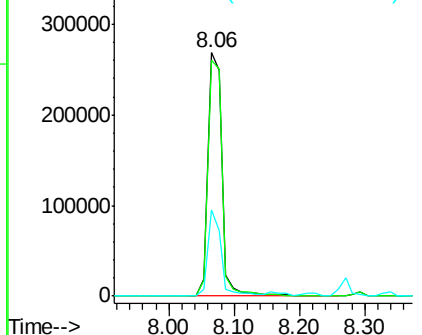


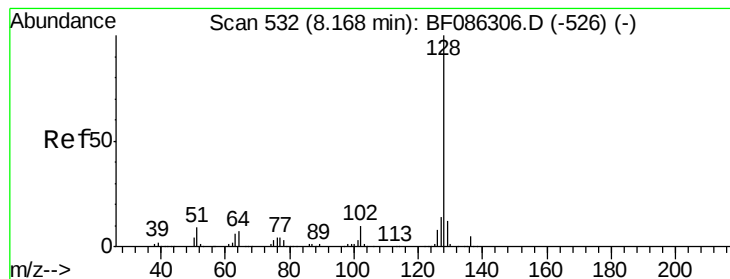
#30
 1,2,4-Trichlorobenzene
 Concen: 40.76 ng
 RT: 8.06 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:180 Resp: 405903
 Ion Ratio Lower Upper
 180 100
 182 96.7 78.0 117.0
 145 35.5 24.2 36.2



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: 39.51 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

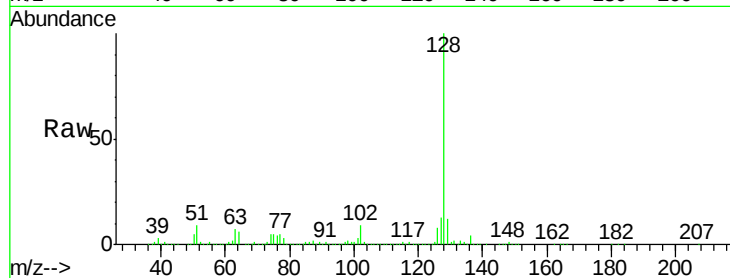
Tgt Ion:128 Resp: 1457106

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

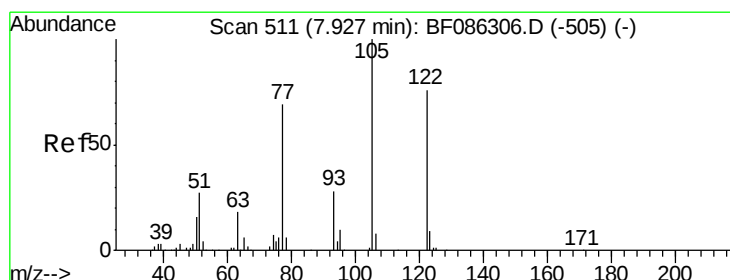
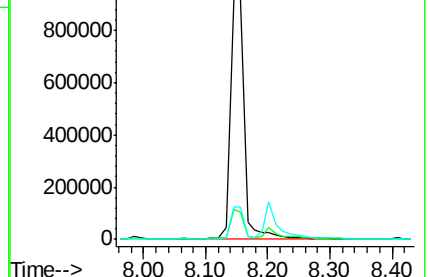
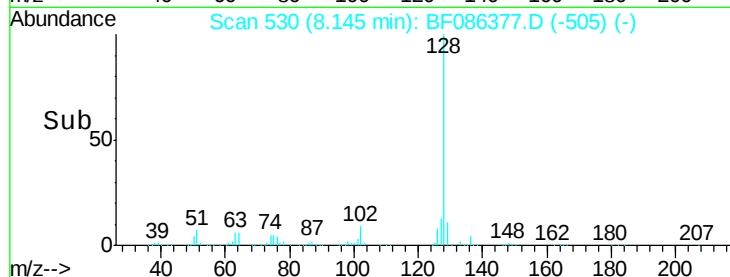
127 13.4 10.8 16.2



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: 11.60 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.03 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

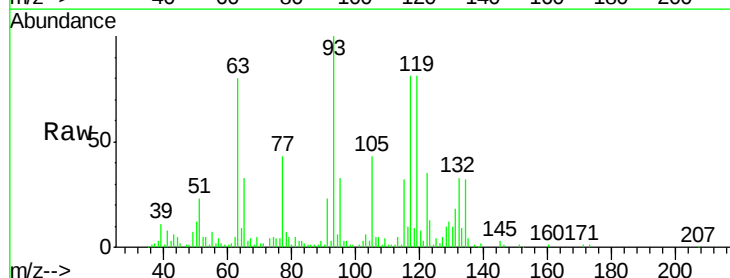
Tgt Ion:122 Resp: 82230

Ion Ratio Lower Upper

122 100

105 122.3 92.6 132.6

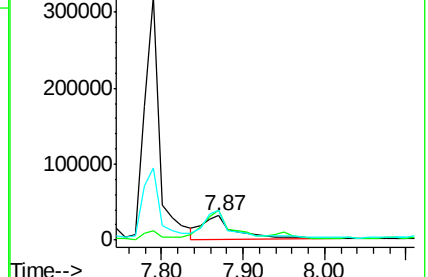
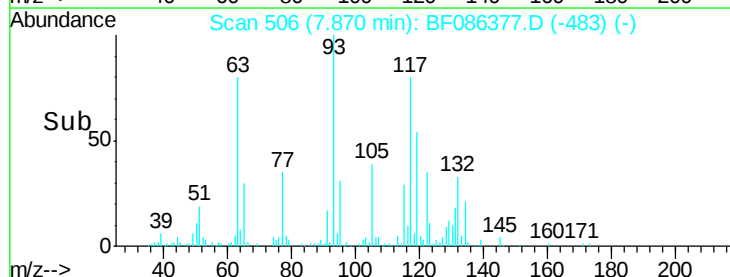
77 122.6 60.0 100.0#

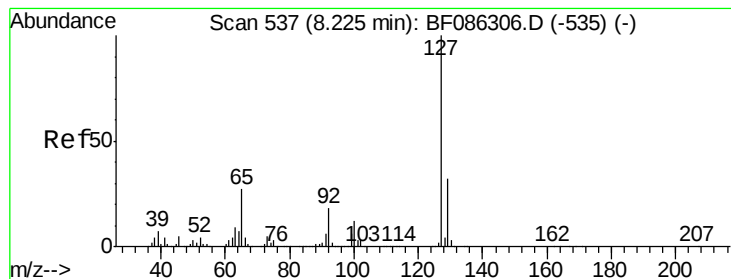


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 15.43 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

Tgt Ion:127 Resp: 221716

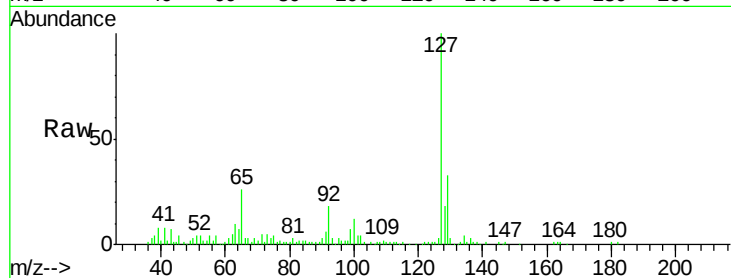
Ion Ratio Lower Upper

127 100

129 32.5 26.2 39.4

65 26.1 23.0 34.4

92 18.1 15.1 22.7

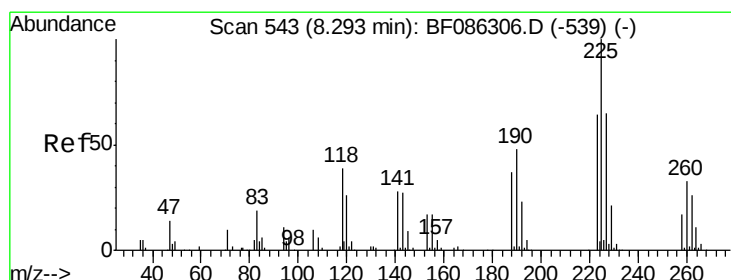
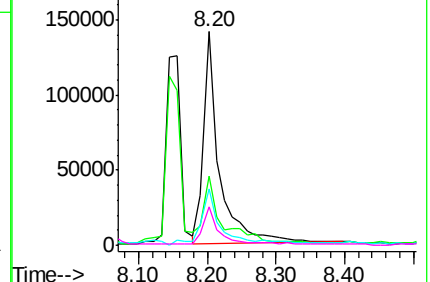
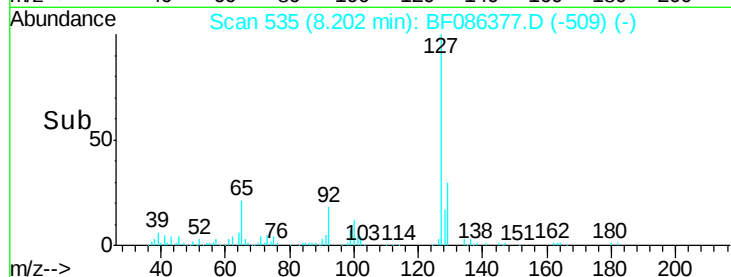


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 40.81 ng

RT: 8.27 min Scan# 541

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

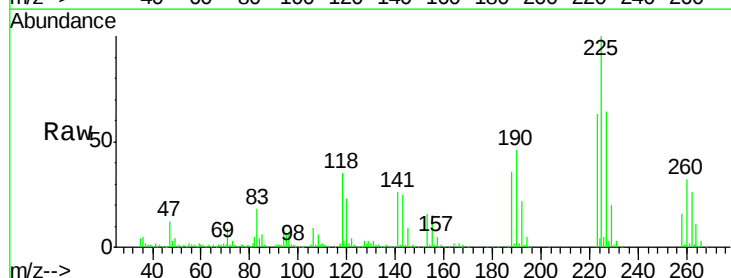
Tgt Ion:225 Resp: 202938

Ion Ratio Lower Upper

225 100

223 63.4 51.5 77.3

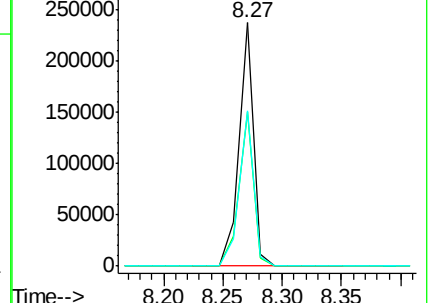
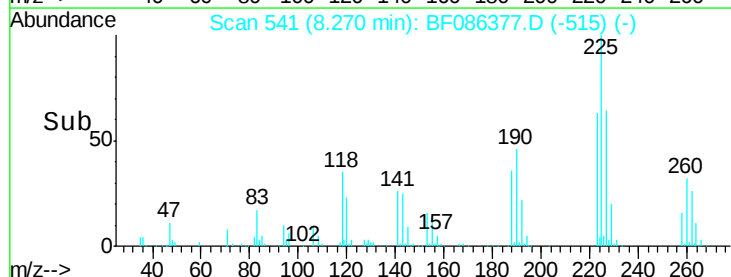
227 63.9 52.2 78.2

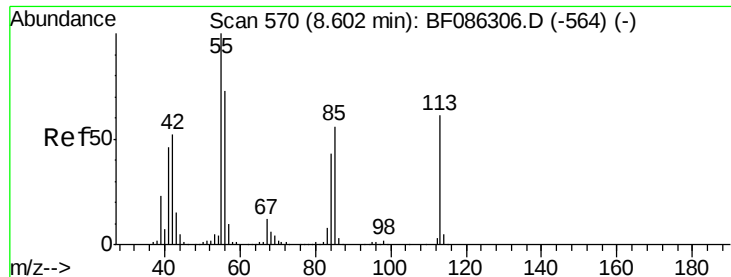


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

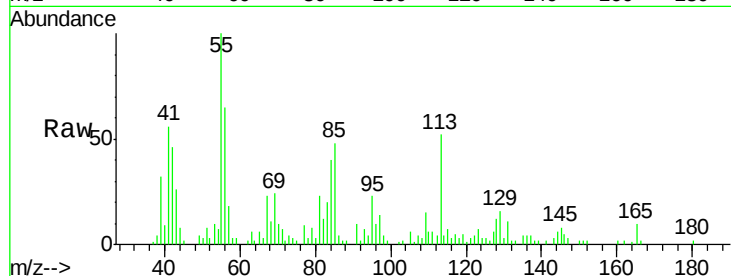




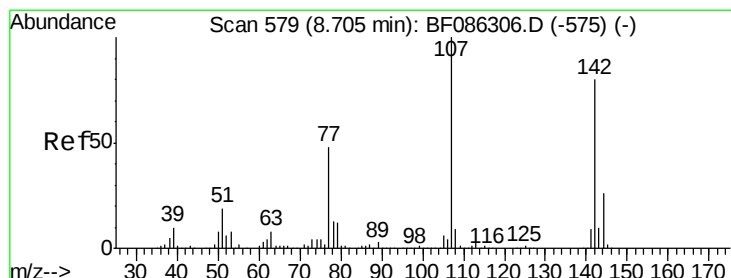
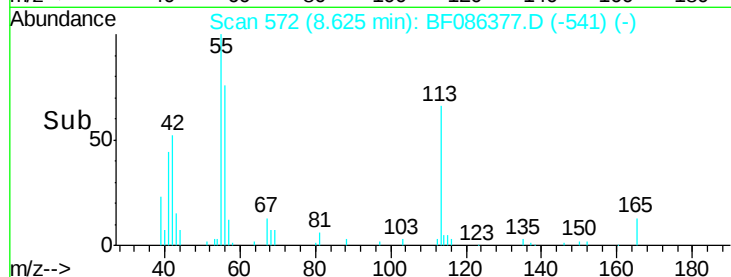
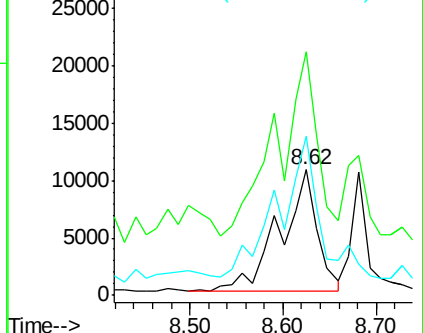
#35
 Caprolactam
 Concen: 8.93 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.06 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:113 Resp: 29366
 Ion Ratio Lower Upper
 113 100
 55 193.8 162.0 202.0
 56 126.8 115.3 155.3

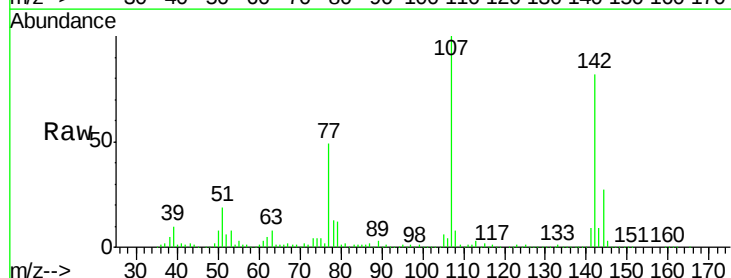


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

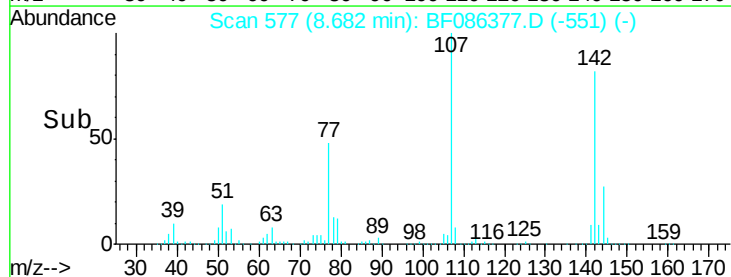
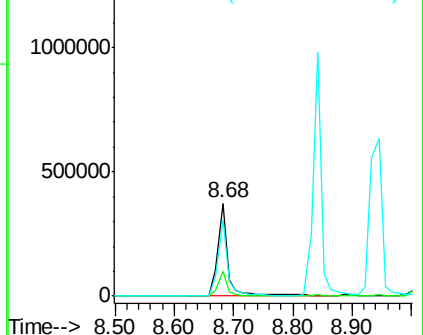


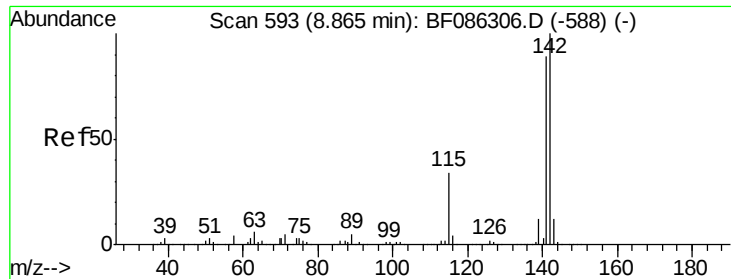
#36
 4-Chloro-3-methylphenol
 Concen: 40.04 ng
 RT: 8.68 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:107 Resp: 436278
 Ion Ratio Lower Upper
 107 100
 144 27.1 20.7 31.1
 142 81.6 63.2 94.8



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

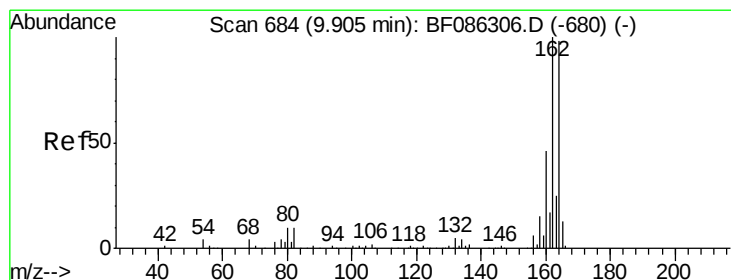
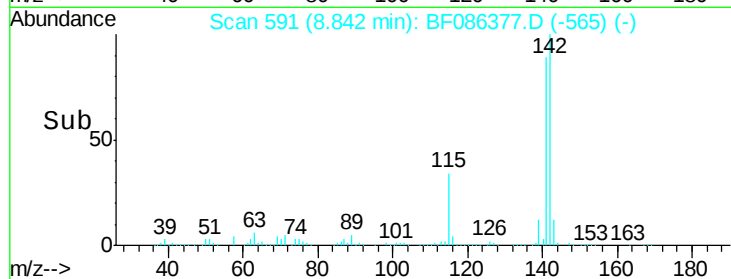
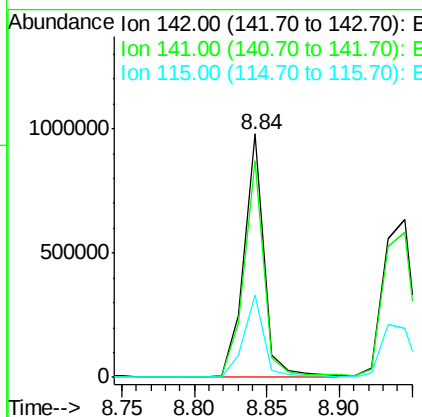
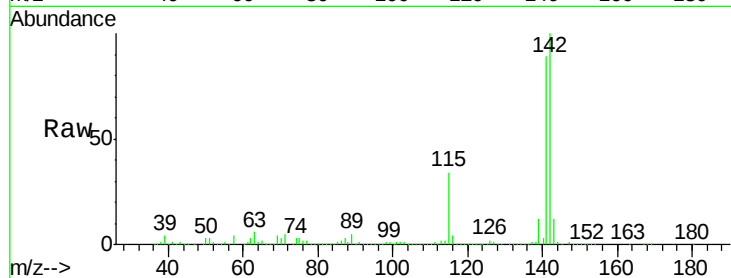




#37
 2-Methylnaphthalene
 Concen: 44.51 ng
 RT: 8.84 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

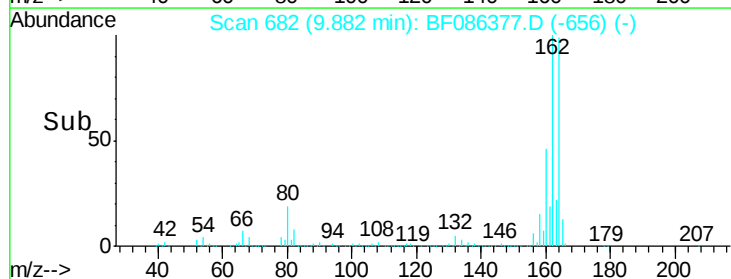
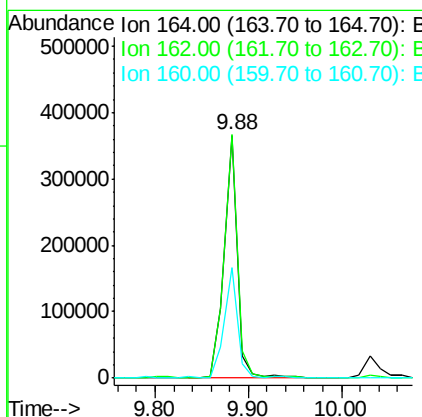
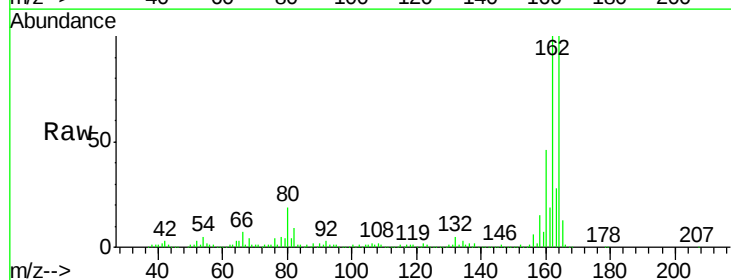
Instrument :
 BNA_F
 ClientSampled :
 MW-11MSD

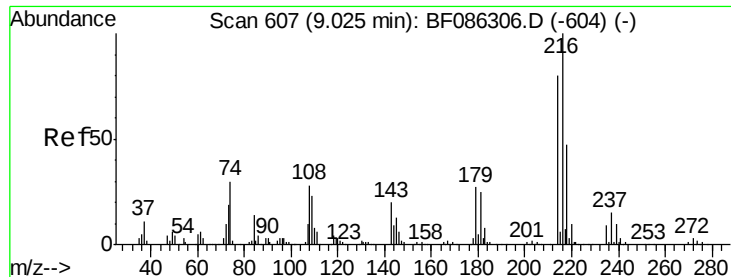
Tgt Ion:142 Resp: 946610
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.0 106.6
 115 33.9 26.6 39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:164 Resp: 357767
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.8 124.2
 160 45.6 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.08 ng

RT: 9.01 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

Tgt Ion:216 Resp: 361756

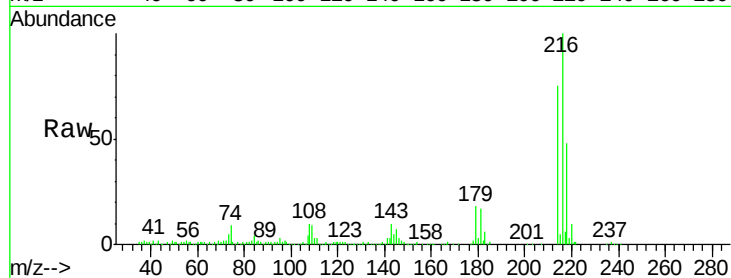
Ion Ratio Lower Upper

216 100

214 79.1 62.6 93.8

179 22.7 18.2 27.4

108 21.6 17.5 26.3

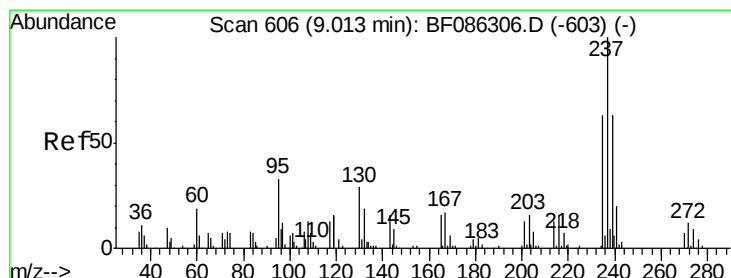
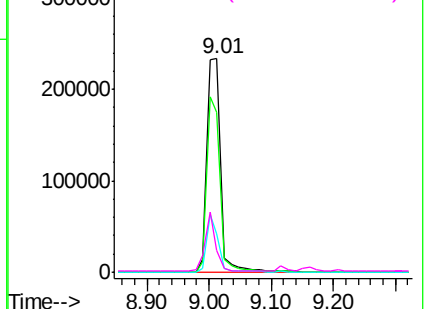
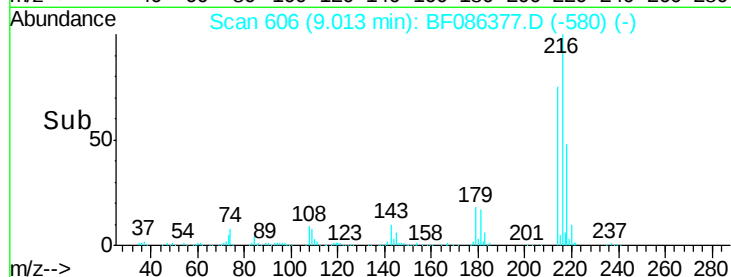


Abundance Ion 216.00 (215.70 to 216.70): E

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: 66.70 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

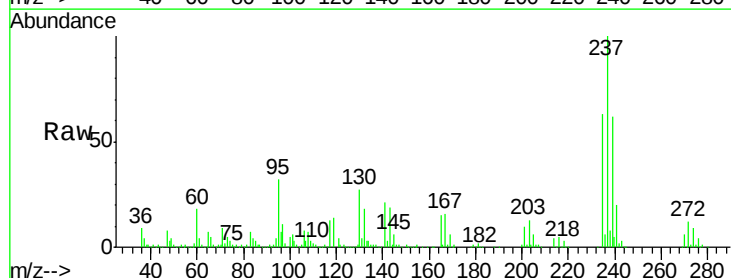
Tgt Ion:237 Resp: 301566

Ion Ratio Lower Upper

237 100

235 62.7 47.2 87.2

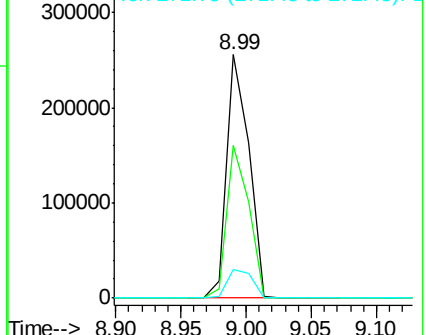
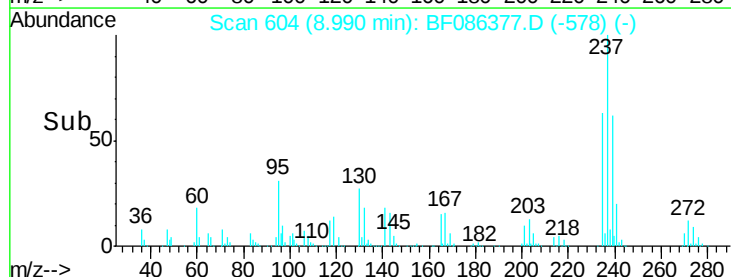
272 11.7 0.0 31.1

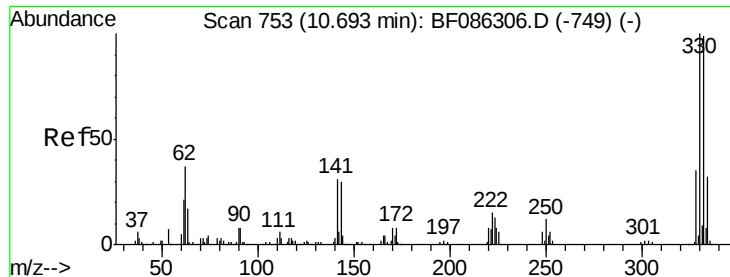


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

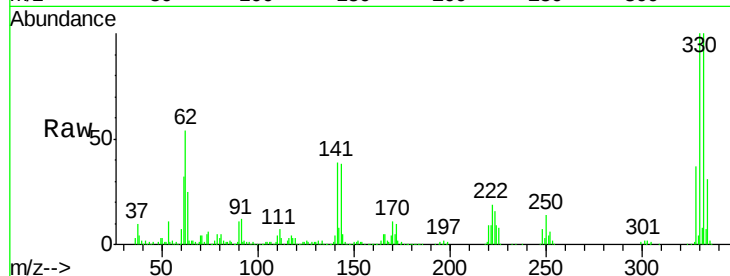




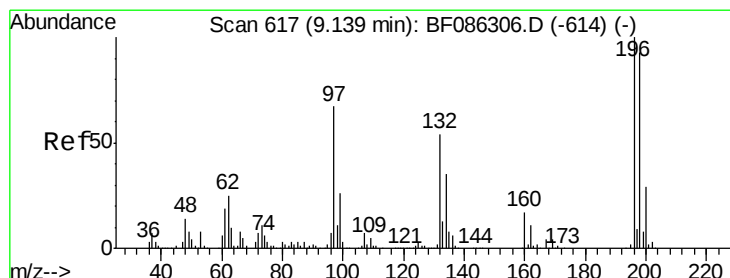
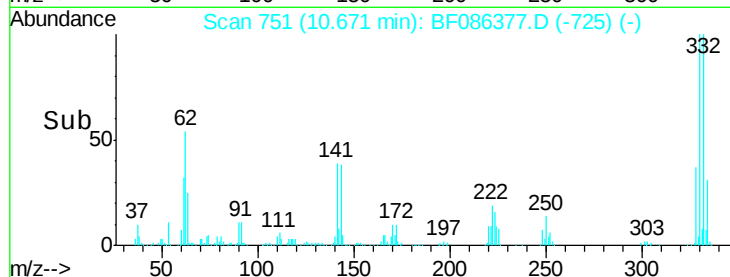
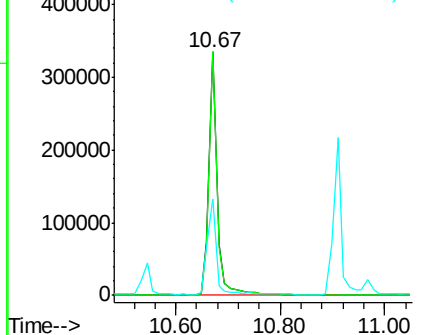
#41
 2,4,6-Tribromophenol
 Concen: 115.94 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:330 Resp: 375478
 Ion Ratio Lower Upper
 330 100
 332 97.8 79.0 118.4
 141 40.1 31.2 46.8

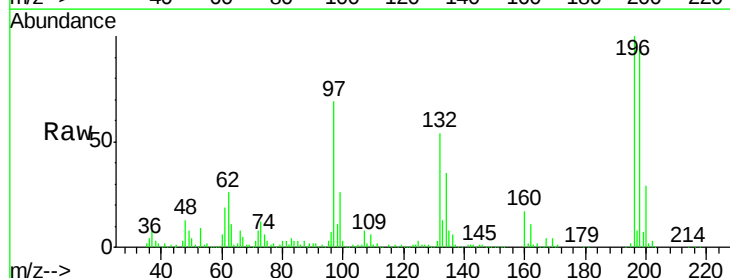


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

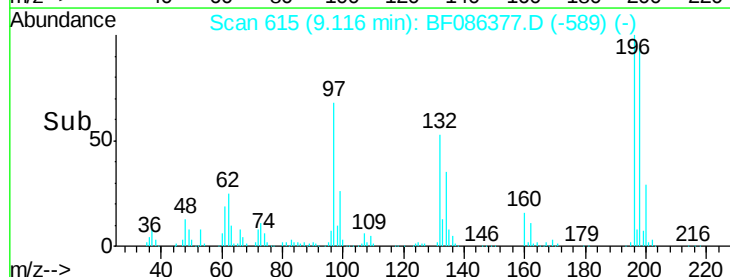
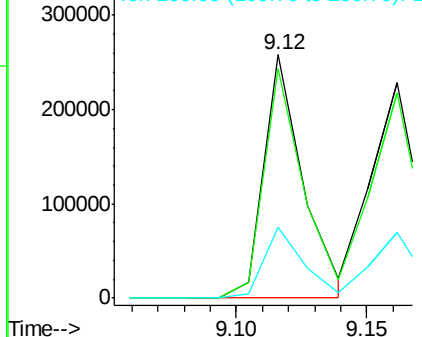


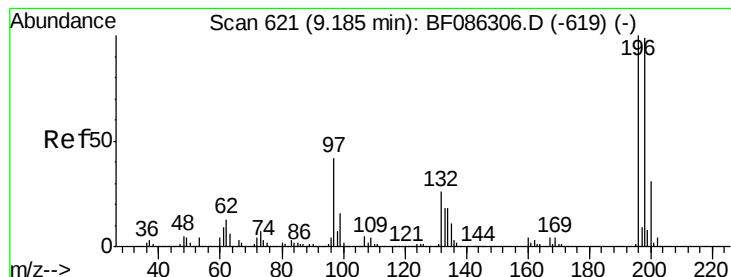
#42
 2,4,6-Trichlorophenol
 Concen: 44.55 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:196 Resp: 270353
 Ion Ratio Lower Upper
 196 100
 198 94.2 74.7 112.1
 200 29.2 23.8 35.6



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: 40.85 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

Tgt Ion:196 Resp: 305223

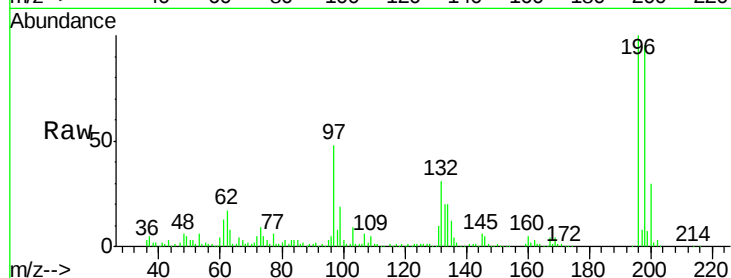
Ion Ratio Lower Upper

196 100

198 95.3 77.5 116.3

97 47.6 34.8 52.2

132 30.7 23.0 34.4

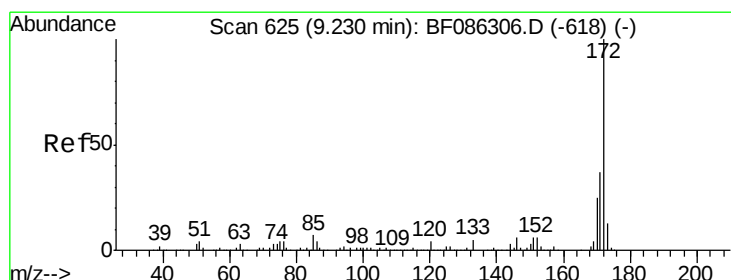
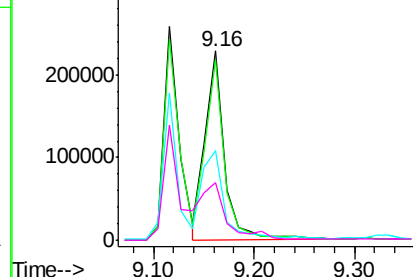
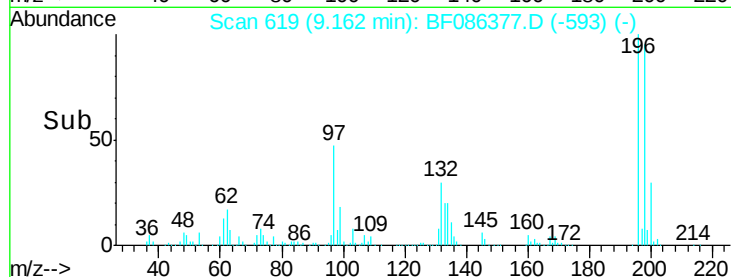


Abundance Ion 196.00 (195.70 to 196.70): E

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: 80.51 ng

RT: 9.21 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

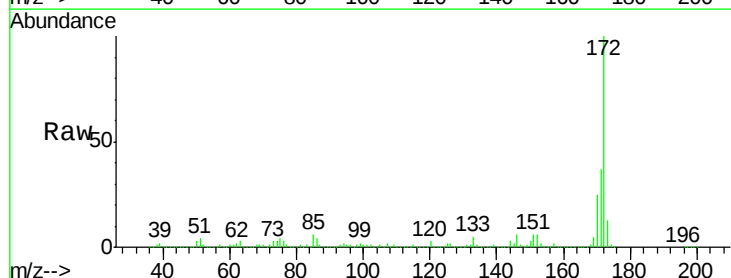
Tgt Ion:172 Resp: 1687935

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.6

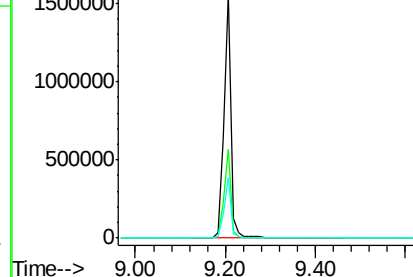
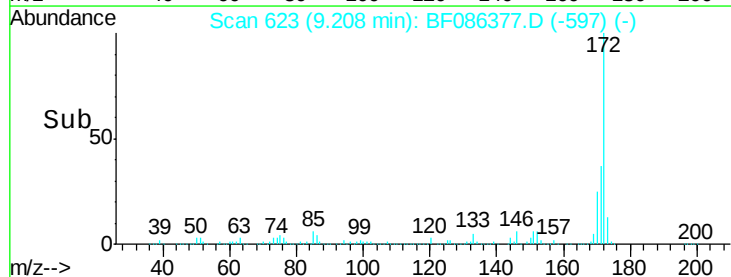
170 24.7 19.8 29.8

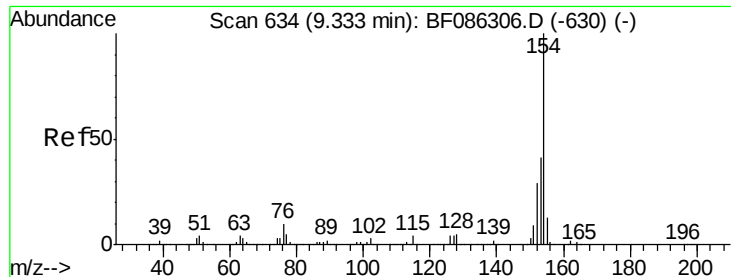


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

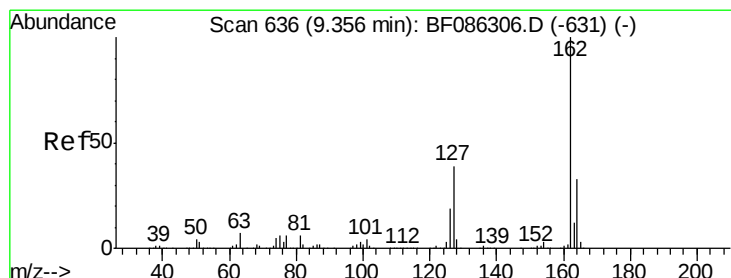
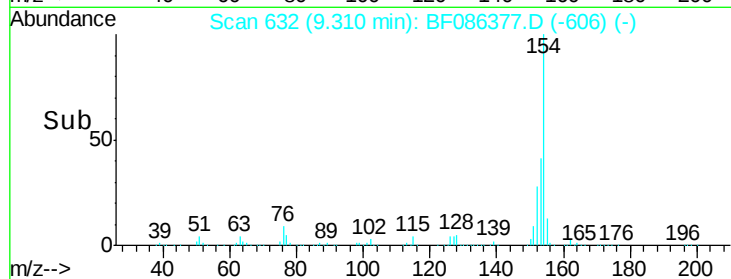
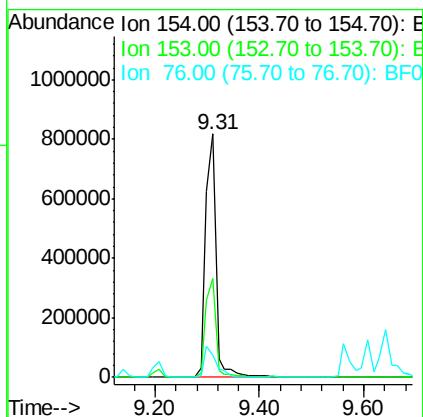
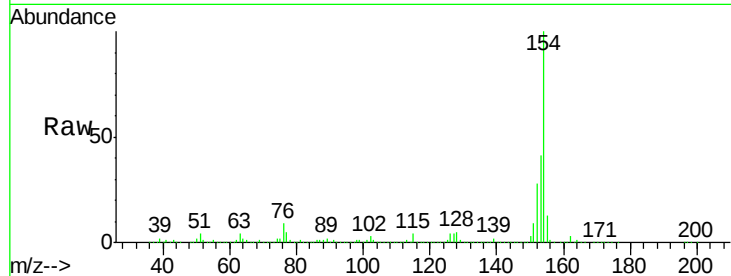




#45
 1,1'-Biphenyl
 Concen: 40.75 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

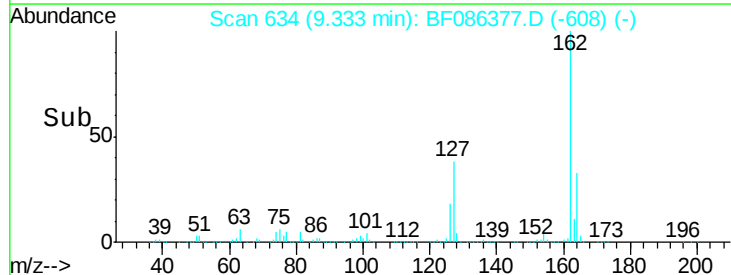
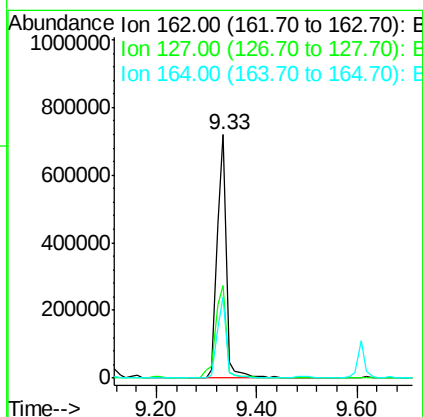
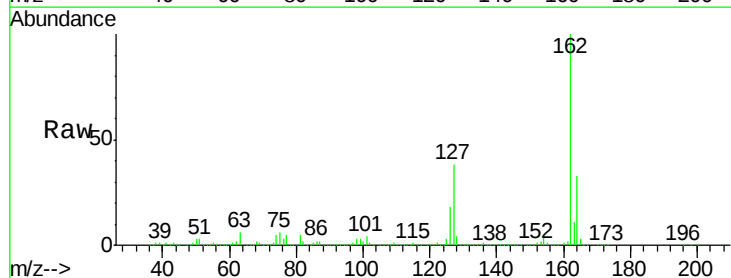
Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

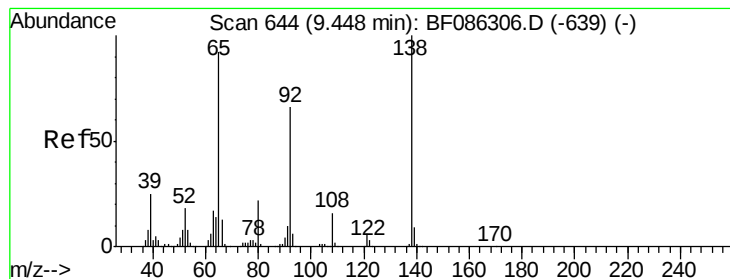
Tgt Ion:154 Resp: 1131050
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.3 60.3
 76 9.0 0.0 30.2



#46
 2-Chloronaphthalene
 Concen: 41.41 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:162 Resp: 909838
 Ion Ratio Lower Upper
 162 100
 127 38.2 31.8 47.6
 164 33.3 27.0 40.6





#47

2-Nitroaniline

Concen: 44.64 ng

RT: 9.42 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

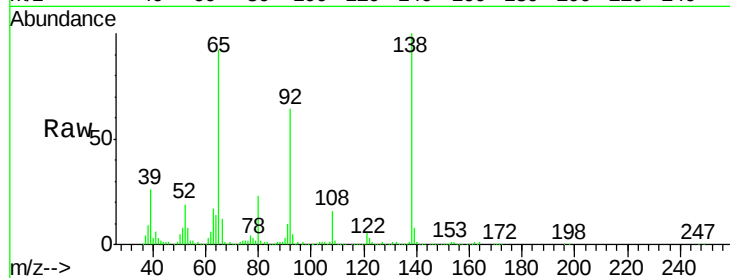
Tgt Ion: 65 Resp: 305363

Ion Ratio Lower Upper

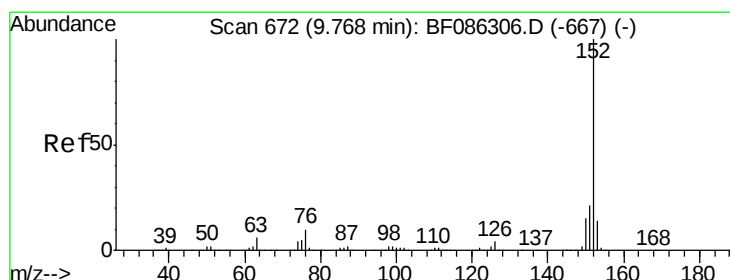
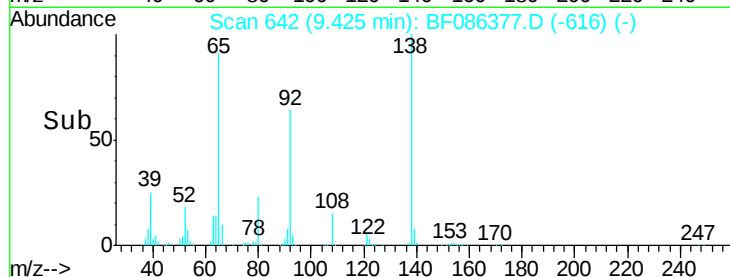
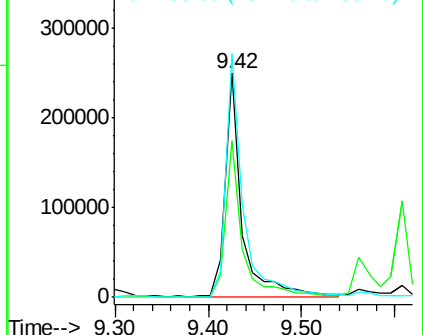
65 100

92 70.0 57.4 86.2

138 108.7 90.1 135.1



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 41.58 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

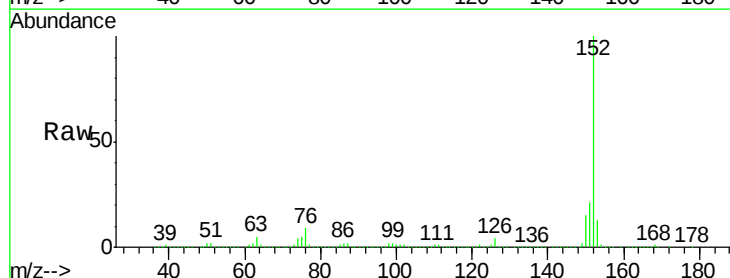
Tgt Ion: 152 Resp: 1481012

Ion Ratio Lower Upper

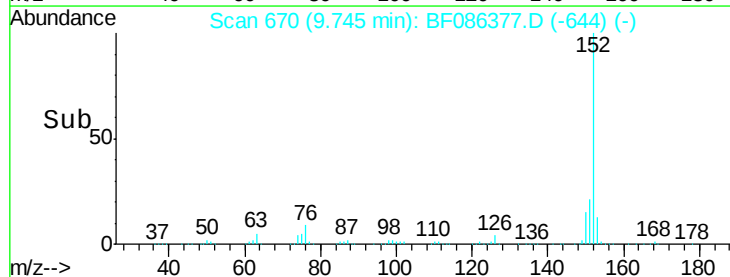
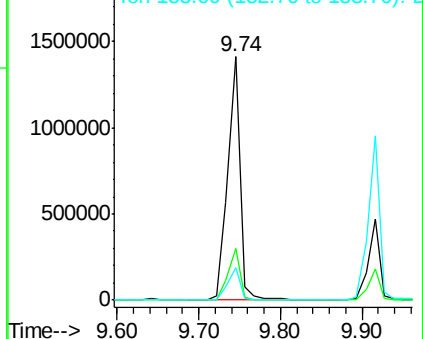
152 100

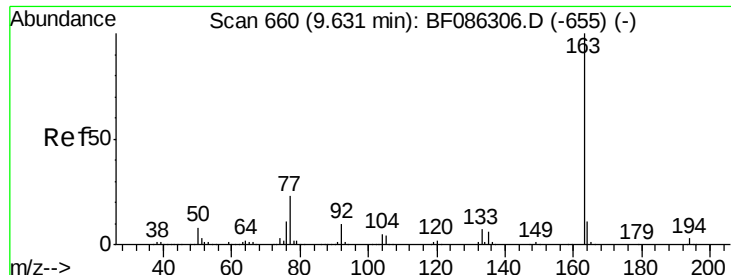
151 21.1 16.8 25.2

153 13.5 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

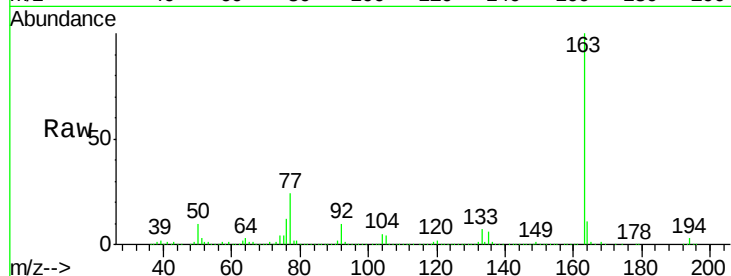




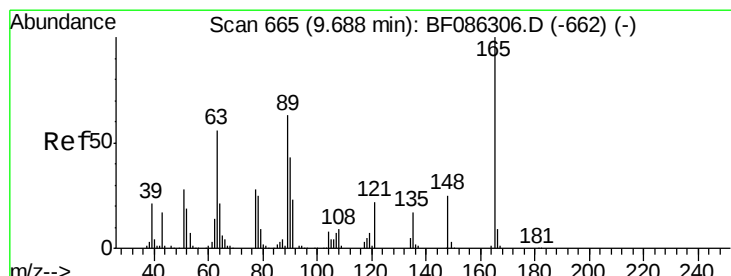
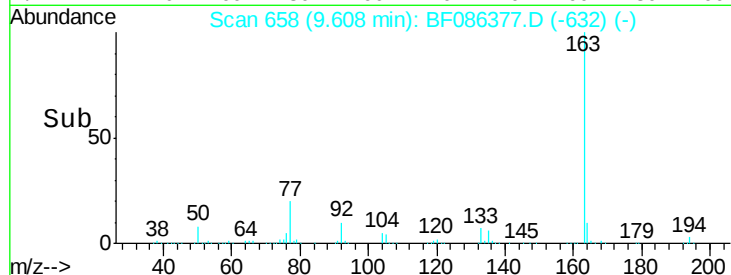
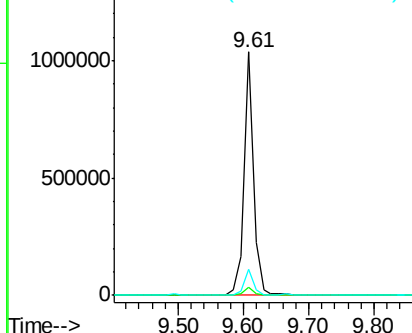
#49
Dimethylphthalate
Concen: 40.08 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Instrument :
BNA_F
ClientSampleId :
MW-11MSD

Tgt Ion:163 Resp: 1035849
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.6 8.2 12.4

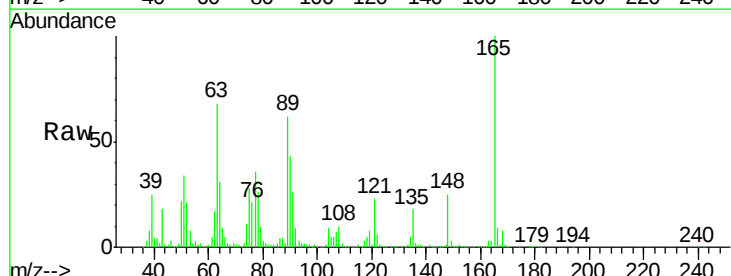


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

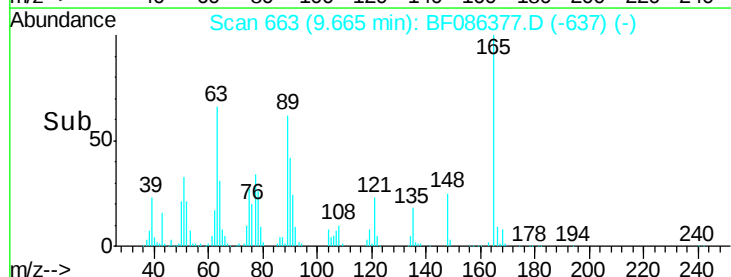
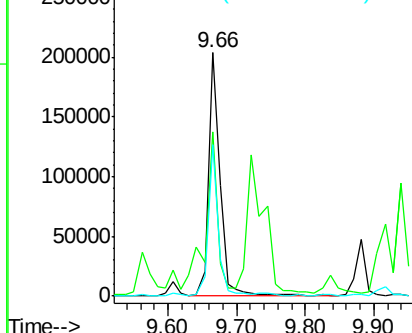


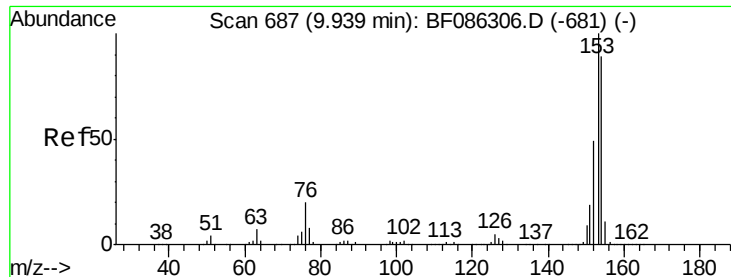
#50
2,6-Dinitrotoluene
Concen: 42.20 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion:165 Resp: 235596
Ion Ratio Lower Upper
165 100
63 67.6 51.8 77.8
89 62.3 50.7 76.1



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

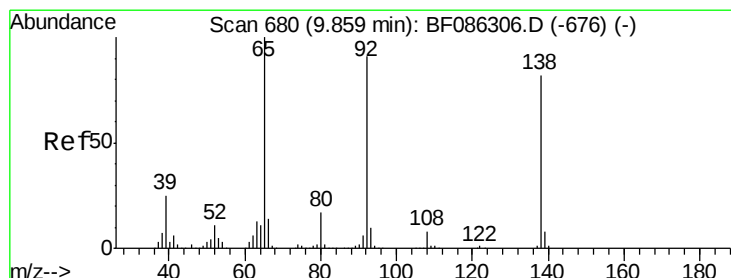
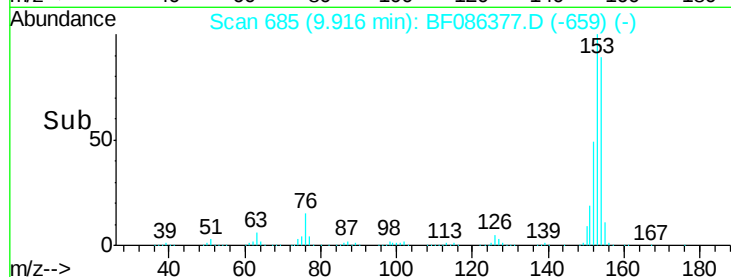
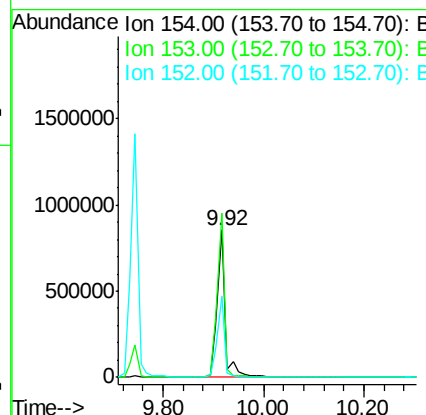
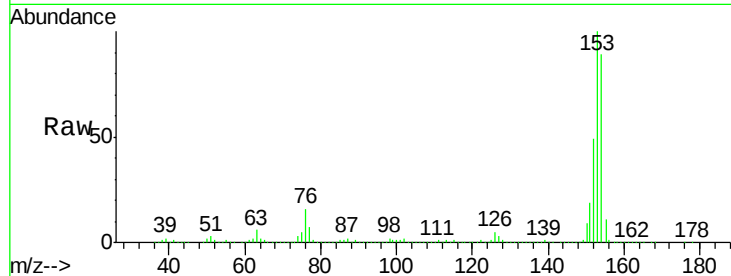




#51
Acenaphthene
Concen: 43.71 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

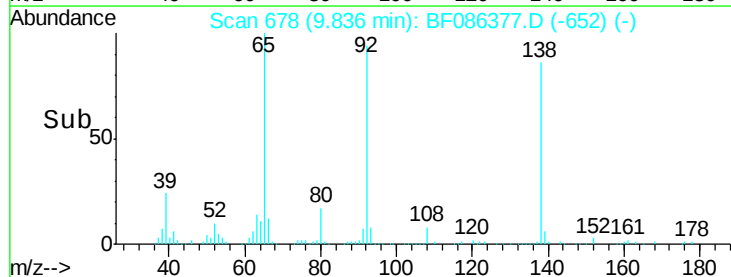
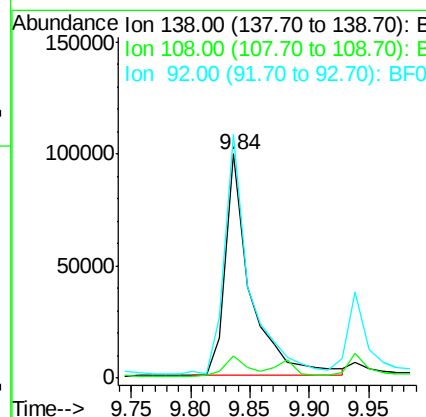
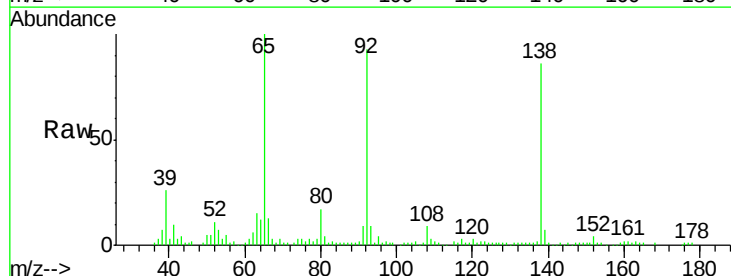
Instrument :
BNA_F
ClientSampleId :
MW-11MSD

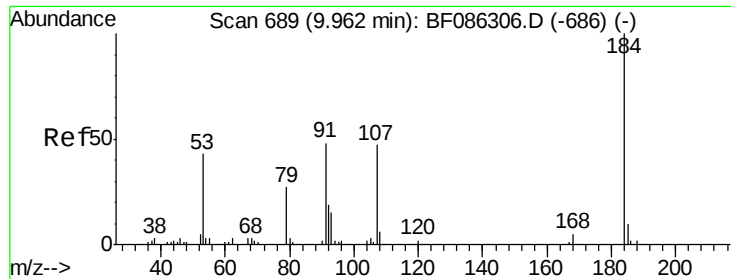
Tgt Ion:154 Resp: 956449
Ion Ratio Lower Upper
154 100
153 111.9 89.8 134.6
152 55.3 43.4 65.0



#52
3-Nitroaniline
Concen: 20.81 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion:138 Resp: 145428
Ion Ratio Lower Upper
138 100
108 10.2 7.8 11.6
92 108.6 87.8 131.8

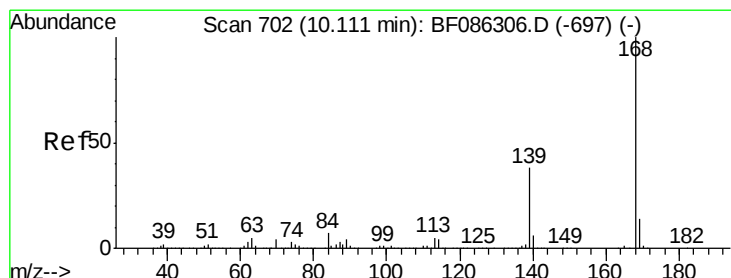
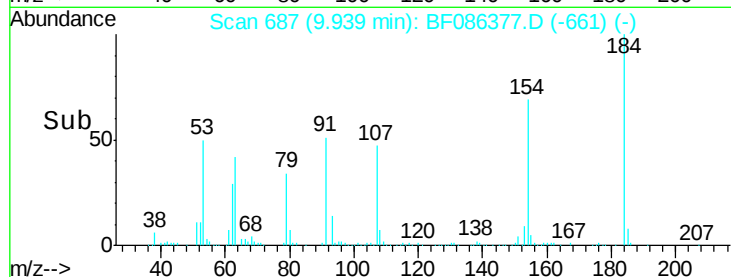
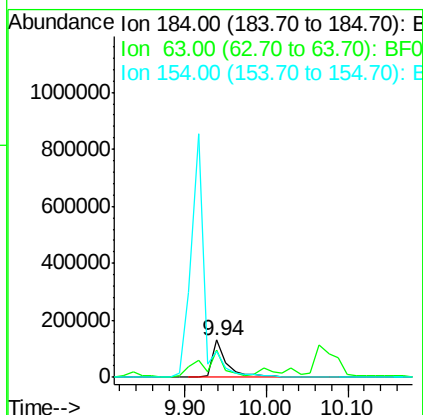
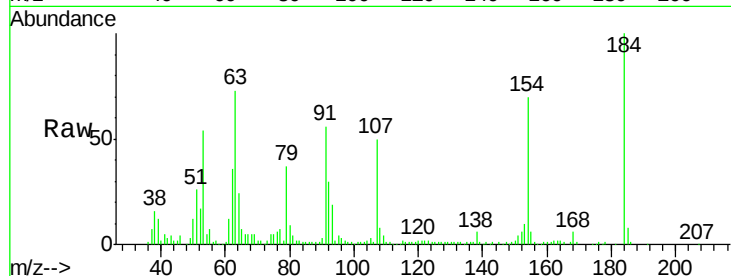




#53
2,4-Dinitrophenol
Concen: 58.78 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

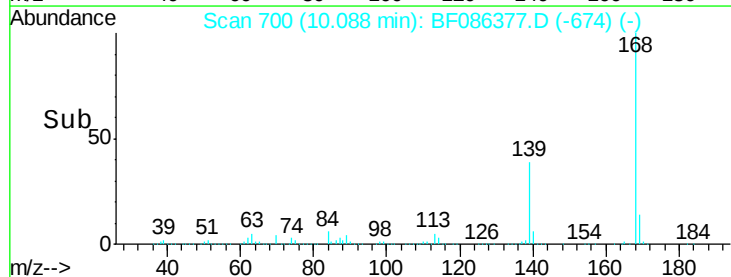
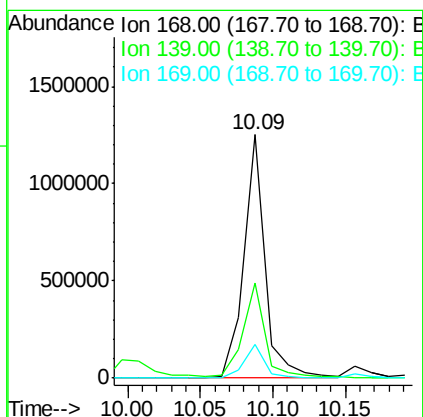
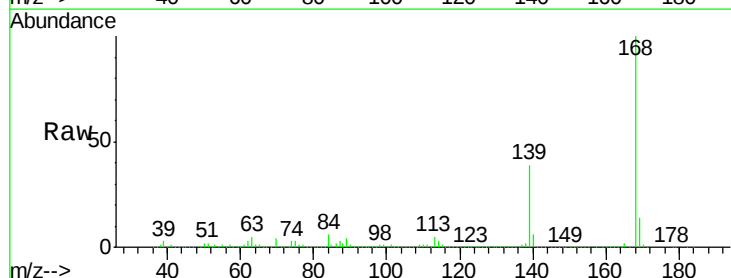
Instrument :
BNA_F
ClientSampleId :
MW-11MSD

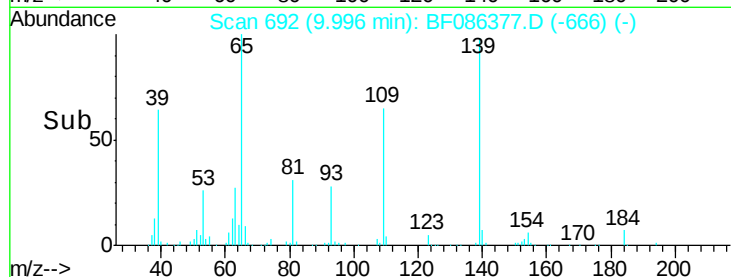
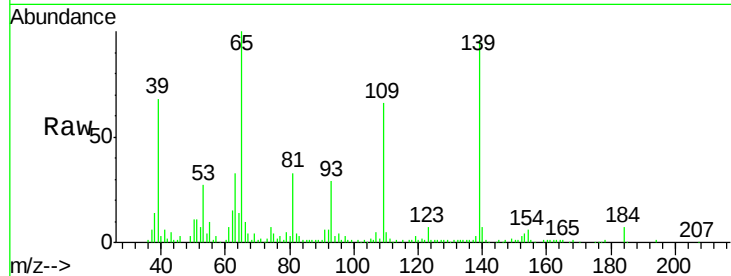
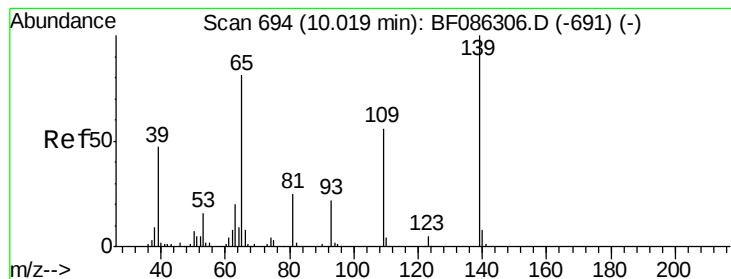
Tgt Ion:184 Resp: 170603
Ion Ratio Lower Upper
184 100
63 73.0 55.8 83.8
154 70.2 62.4 93.6



#54
Dibenzofuran
Concen: 45.15 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion:168 Resp: 1268857
Ion Ratio Lower Upper
168 100
139 39.0 31.4 47.0
169 13.9 10.7 16.1





#55

4-Nitrophenol

Concen: 35.93 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

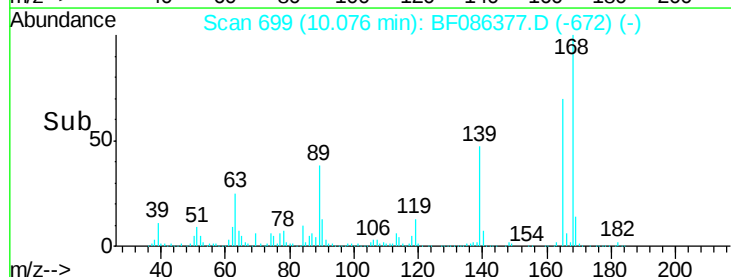
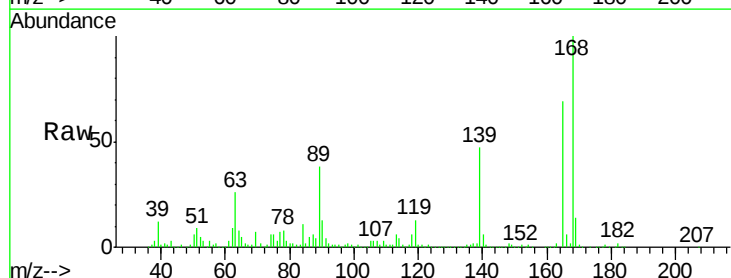
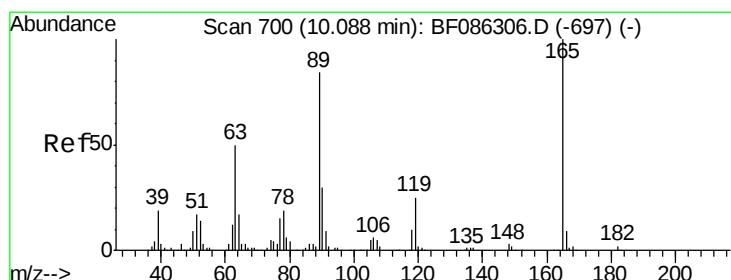
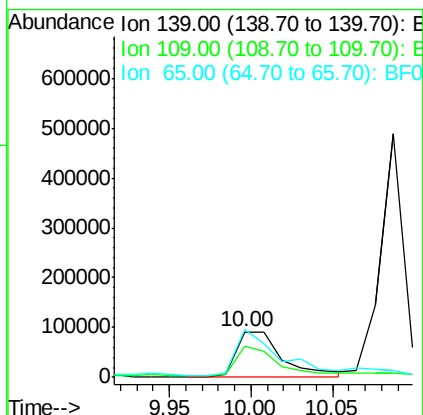
Tgt Ion:139 Resp: 175706

Ion Ratio Lower Upper

139 100

109 68.3 36.9 76.9

65 104.0 64.0 104.0



#56

2,4-Dinitrotoluene

Concen: 43.82 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Tgt Ion:165 Resp: 324843

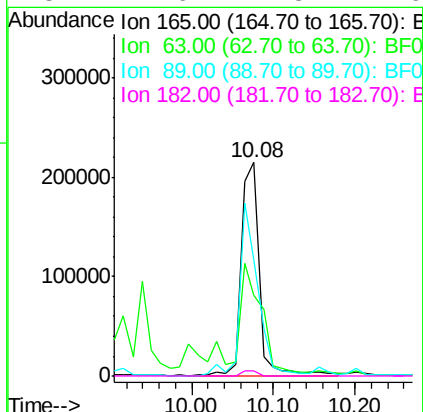
Ion Ratio Lower Upper

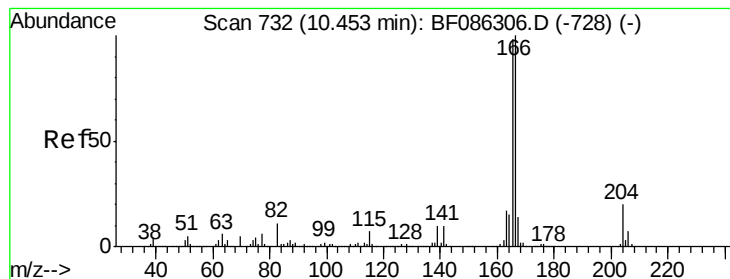
165 100

63 37.8 44.3 66.5#

89 54.5 70.0 105.0#

182 2.6 1.8 2.6





#57

Fluorene

Concen: 41.89 ng

RT: 10.43 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

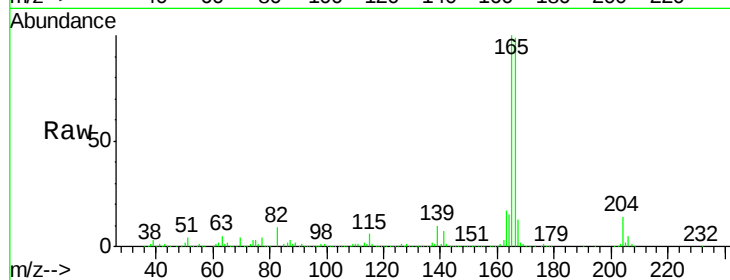
Tgt Ion:166 Resp: 964627

Ion Ratio Lower Upper

166 100

165 100.8 79.0 118.6

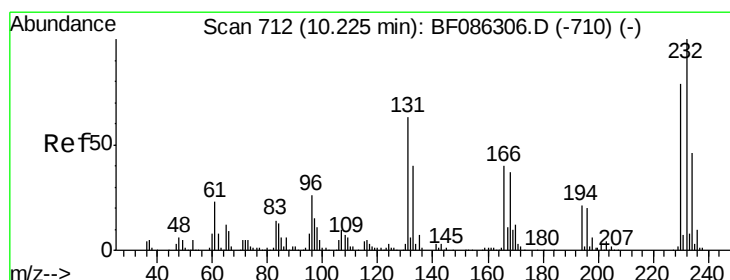
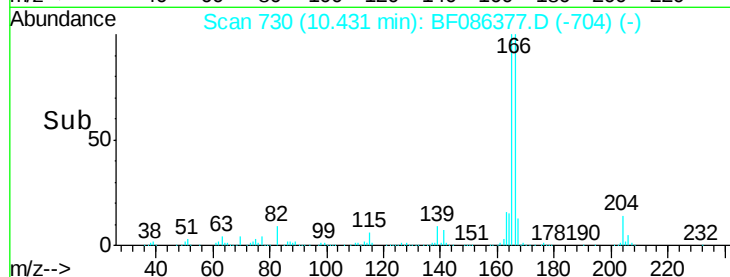
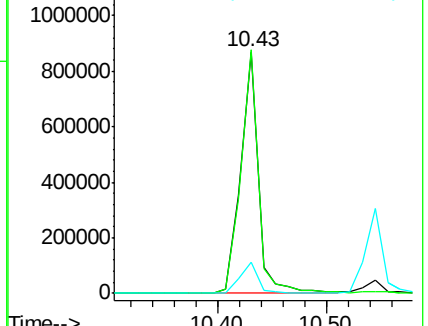
167 13.1 10.6 15.8



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: 45.45 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Tgt Ion:232 Resp: 248233

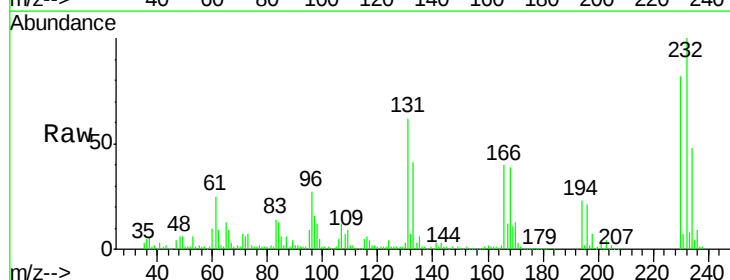
Ion Ratio Lower Upper

232 100

131 51.2 41.9 62.9

130 2.9 2.2 3.4

166 33.1 26.8 40.2

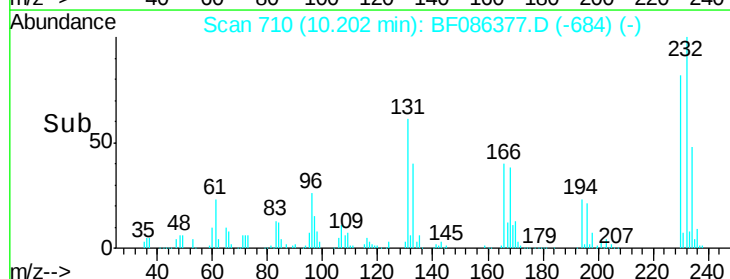
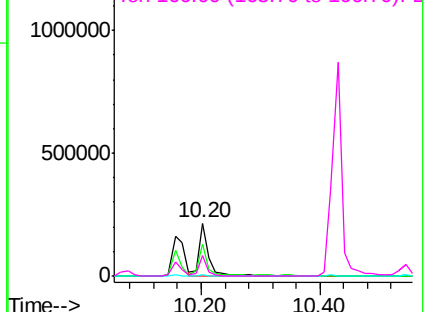


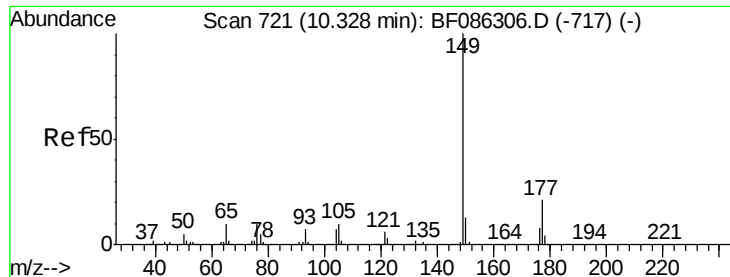
Abundance Ion 232.00 (231.70 to 232.70): E

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

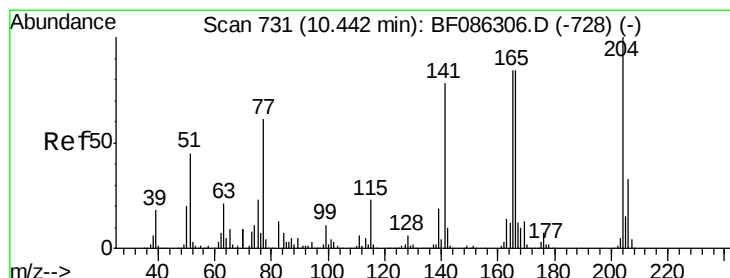
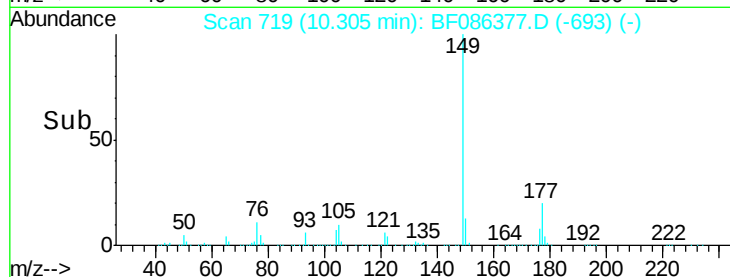
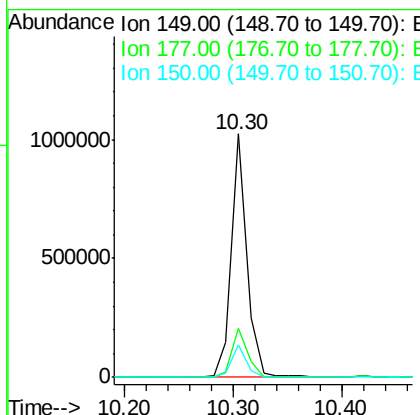
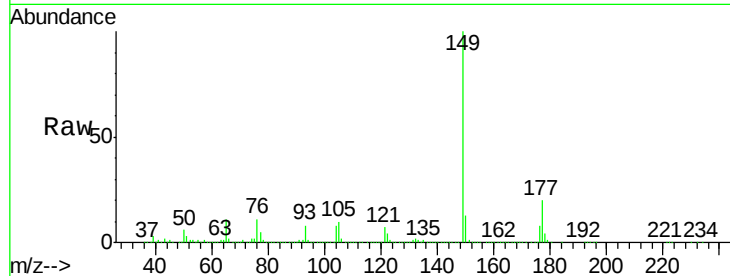




#59
Diethylphthalate
Concen: 40.67 ng
RT: 10.30 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

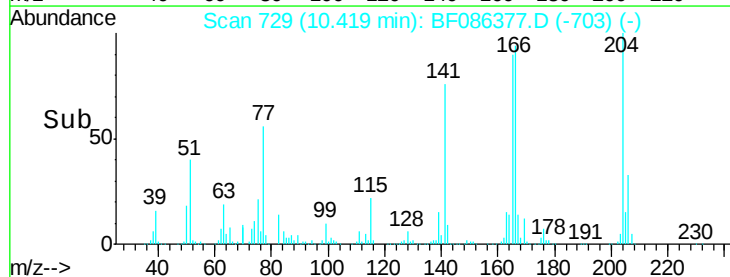
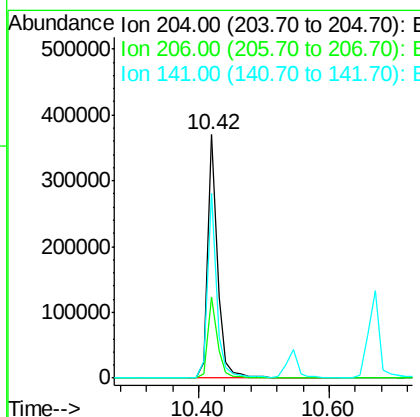
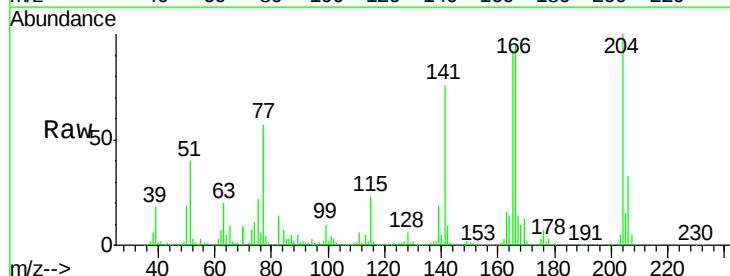
Instrument :
BNA_F
ClientSampled :
MW-11MSD

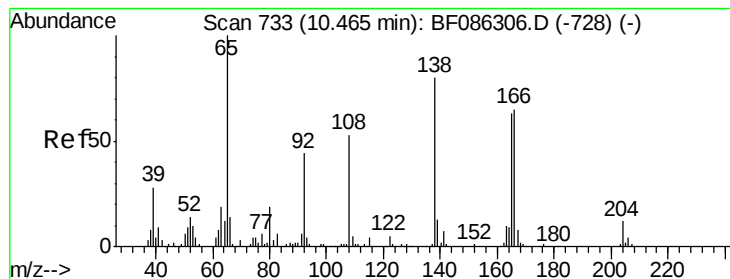
Tgt Ion:149 Resp: 1006630
Ion Ratio Lower Upper
149 100
177 20.3 16.6 24.8
150 13.2 10.0 15.0



#60
4-Chlorophenyl-phenylether
Concen: 38.93 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion:204 Resp: 392010
Ion Ratio Lower Upper
204 100
206 33.3 25.4 38.0
141 75.8 61.6 92.4





#61

4-Nitroaniline

Concen: 39.30 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

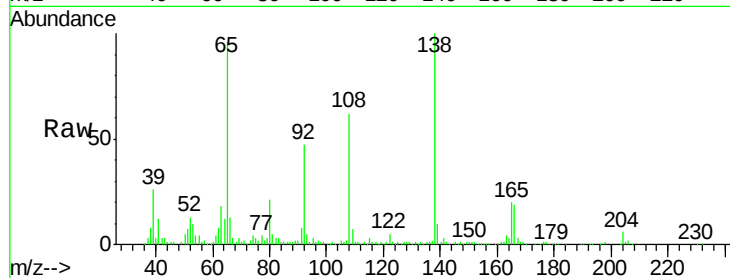
Tgt Ion:138 Resp: 281157

Ion Ratio Lower Upper

138 100

92 46.6 24.7 64.7

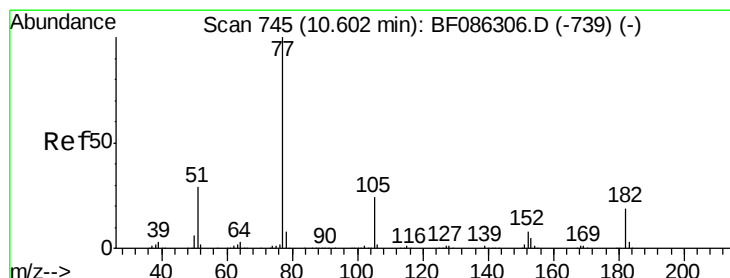
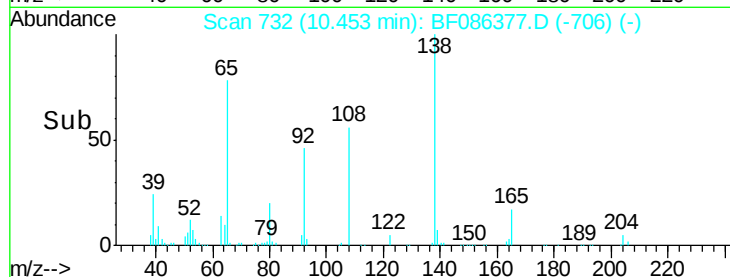
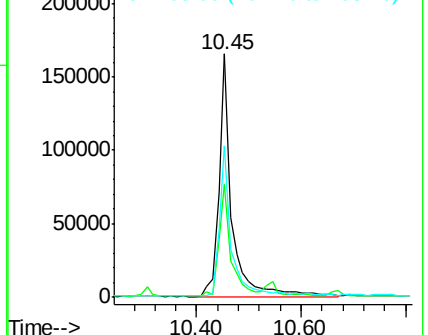
108 62.4 37.4 77.4



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: 42.32 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Tgt Ion: 77 Resp: 1086190

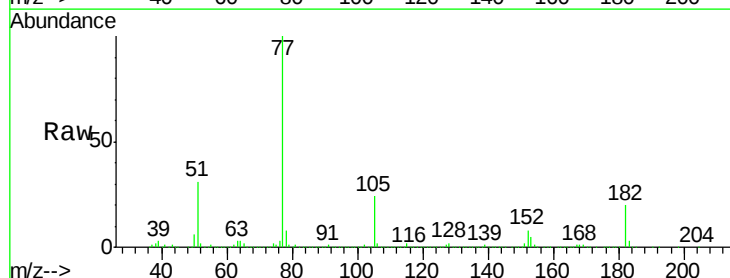
Ion Ratio Lower Upper

77 100

182 20.2 0.0 38.8

105 23.8 3.2 43.2

51 30.6 8.8 48.8

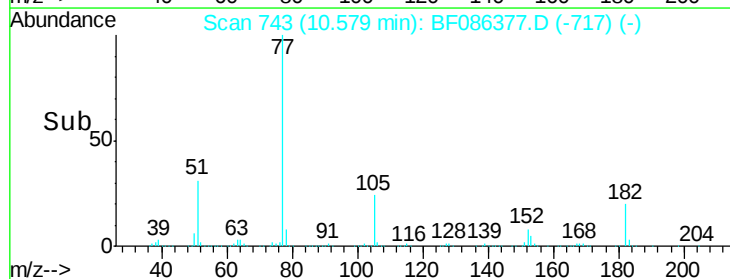
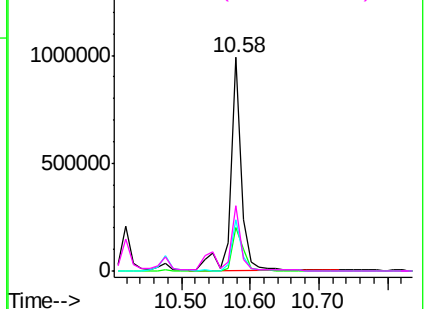


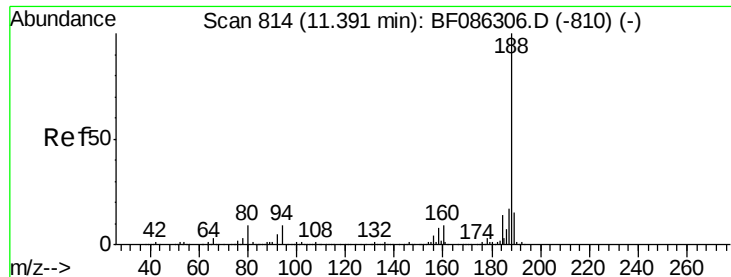
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

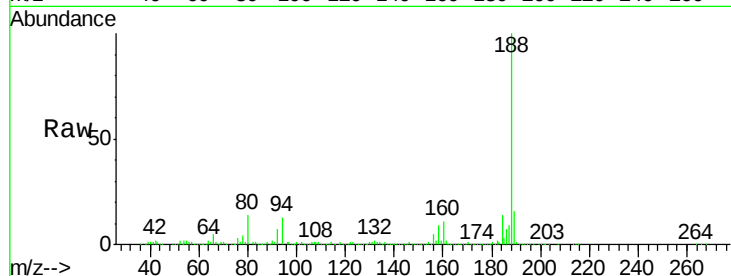
Tgt Ion:188 Resp: 657204

Ion Ratio Lower Upper

188 100

94 13.5 6.8 10.2#

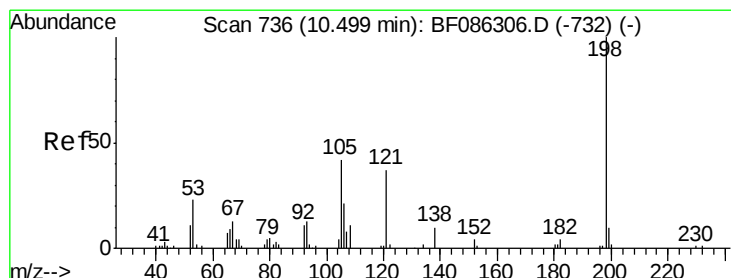
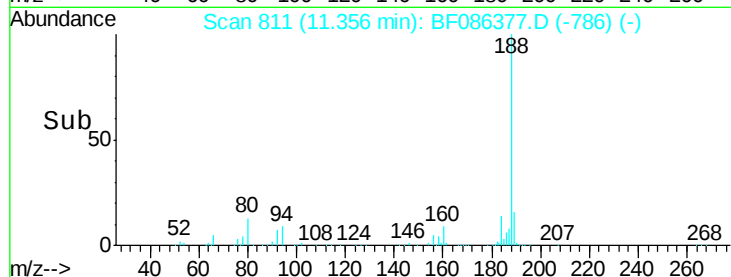
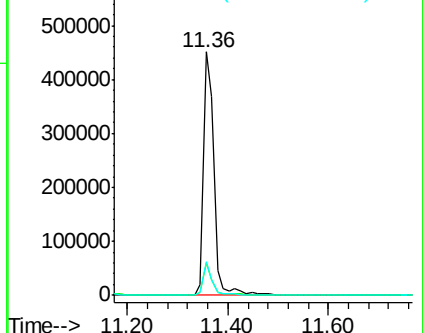
80 13.9 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 36.91 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

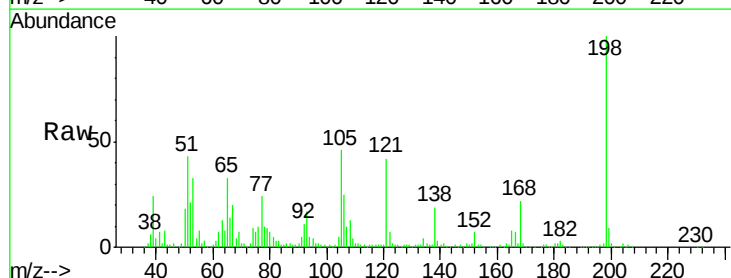
Tgt Ion:198 Resp: 148229

Ion Ratio Lower Upper

198 100

51 42.6 20.5 60.5

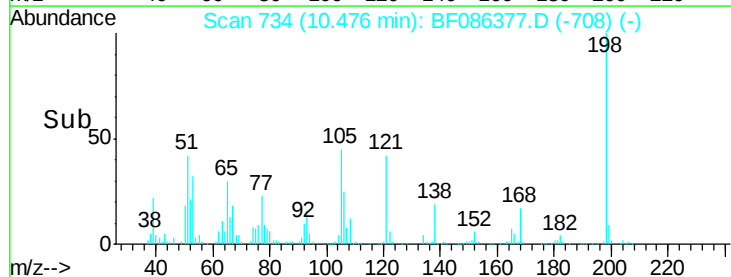
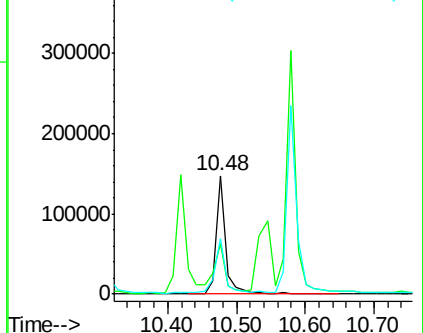
105 46.3 24.5 64.5

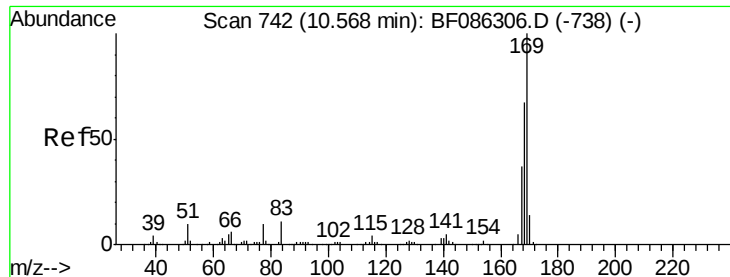


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

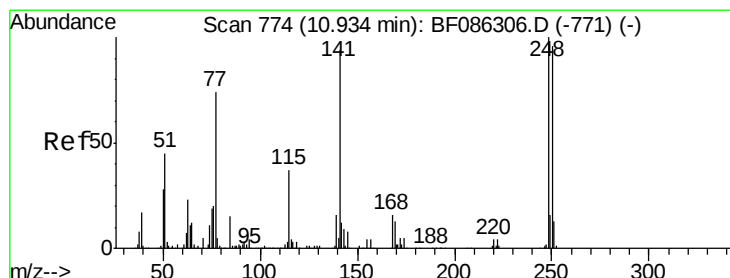
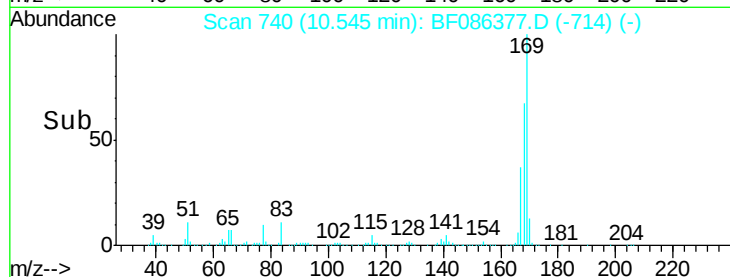
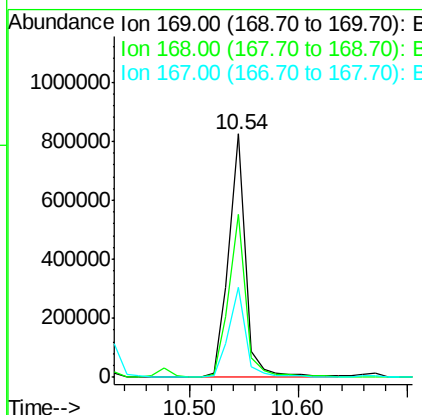
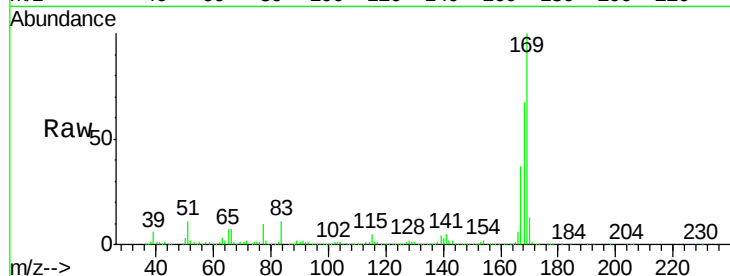




#65
n-Nitrosodiphenylamine
Concen: 44.04 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

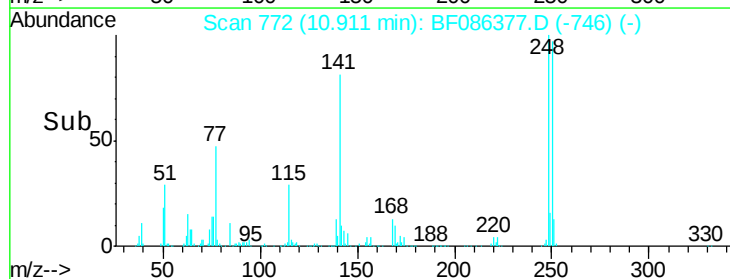
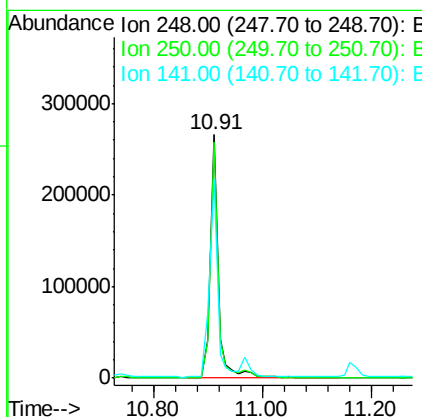
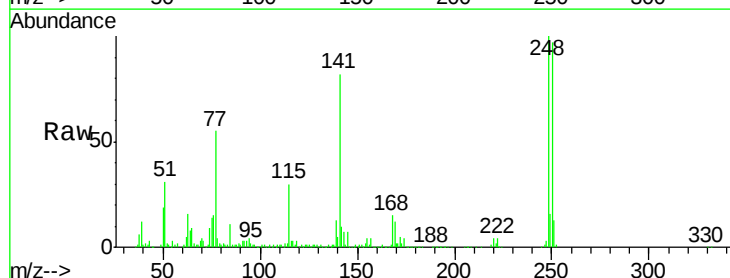
Instrument :
BNA_F
ClientSampleId :
MW-11MSD

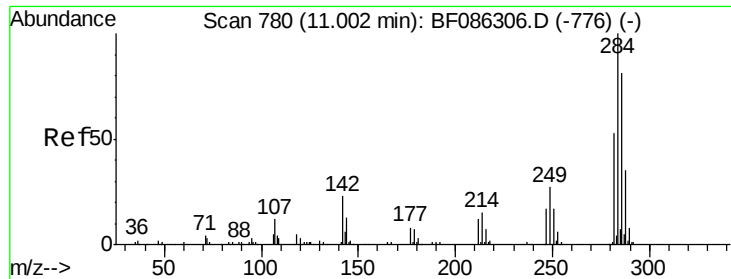
Tgt Ion:169 Resp: 892536
Ion Ratio Lower Upper
169 100
168 67.2 53.8 80.6
167 37.1 29.5 44.3



#66
4-Bromophenyl-phenylether
Concen: 43.19 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion:248 Resp: 277957
Ion Ratio Lower Upper
248 100
250 97.1 78.6 117.8
141 81.8 76.0 114.0





#67

Hexachlorobenzene

Concen: 40.82 ng

RT: 10.97 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

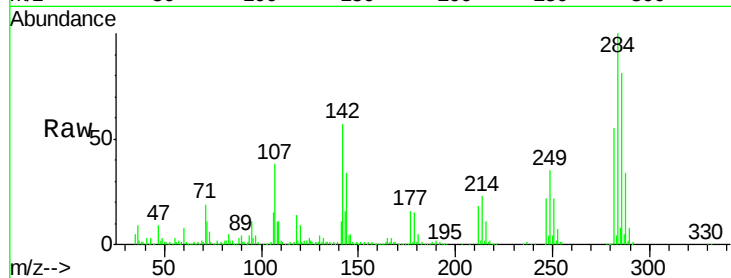
Tgt Ion:284 Resp: 280264

Ion Ratio Lower Upper

284 100

142 57.5 16.7 25.1#

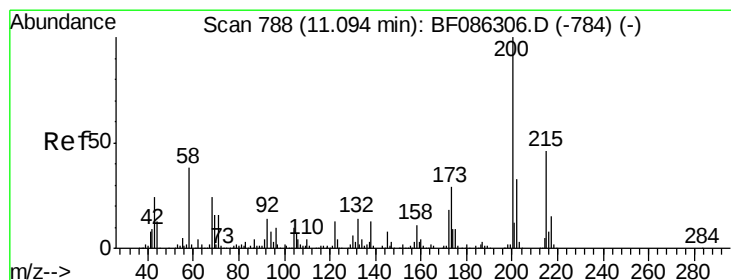
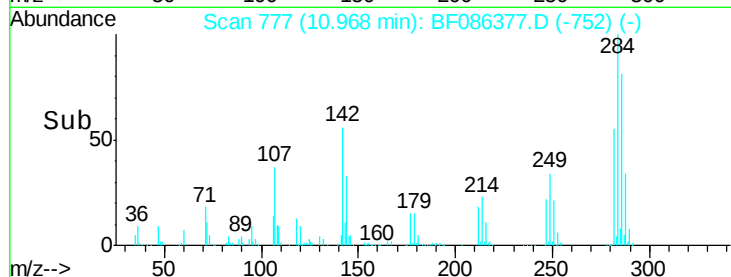
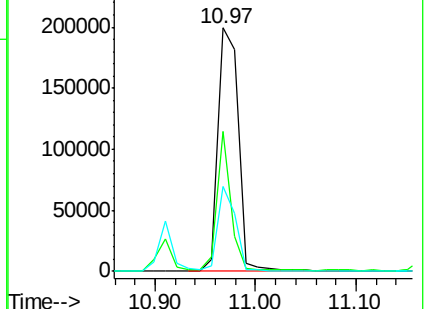
249 34.9 21.3 31.9#



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: 43.01 ng

RT: 11.08 min Scan# 787

Delta R.T. 0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

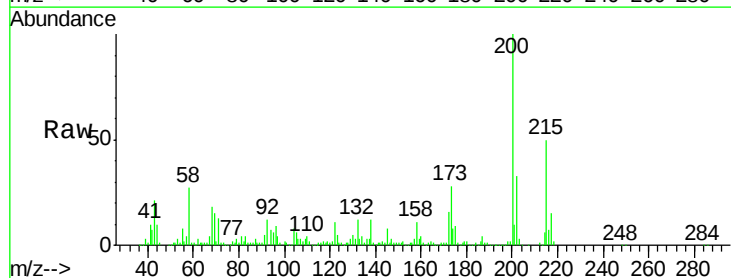
Tgt Ion:200 Resp: 269136

Ion Ratio Lower Upper

200 100

173 27.8 8.5 48.5

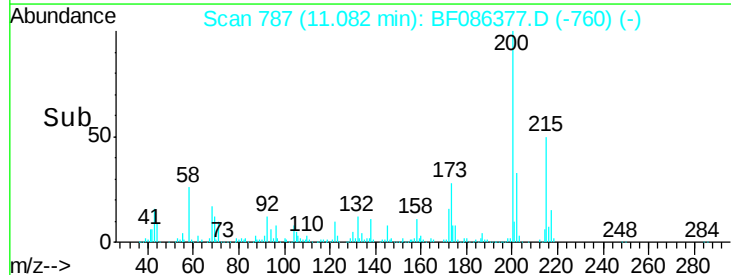
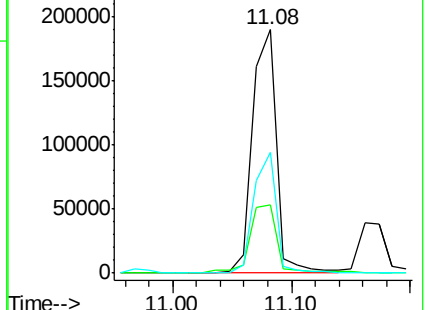
215 49.5 27.2 67.2

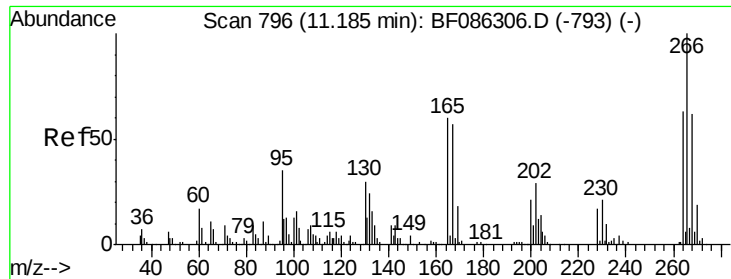


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

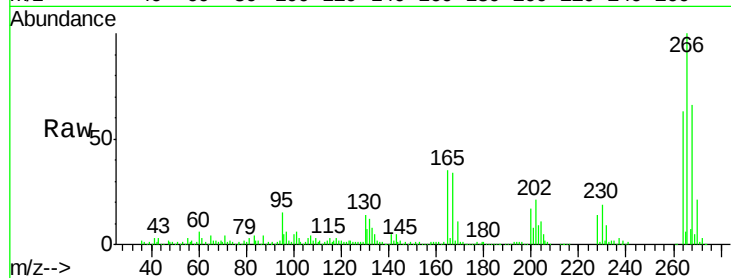




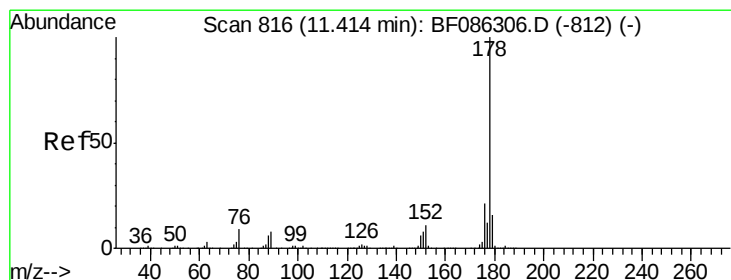
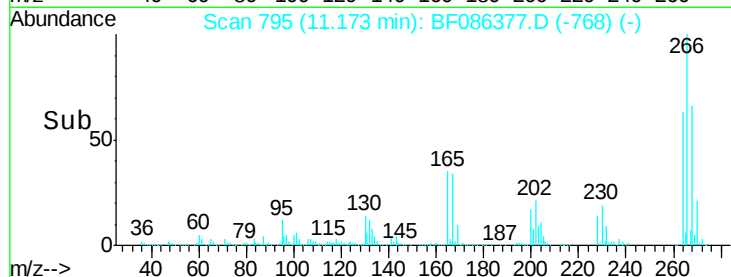
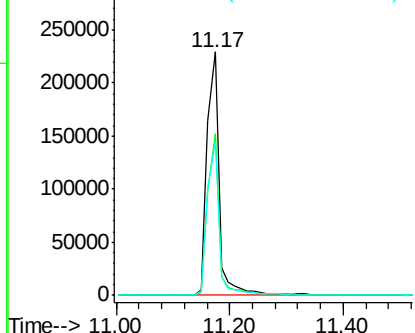
#69
 Pentachlorophenol
 Concen: 81.05 ng
 RT: 11.17 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:266 Resp: 326800
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.5 77.3
 264 63.5 52.9 79.3

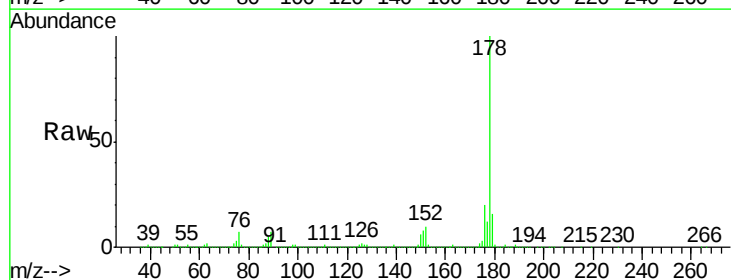


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

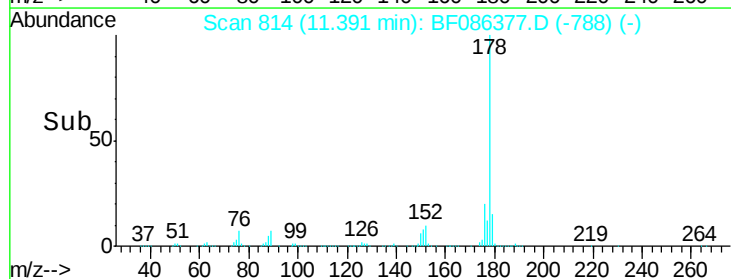
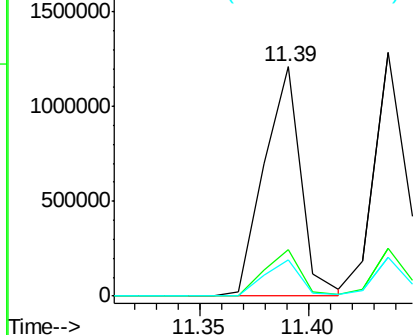


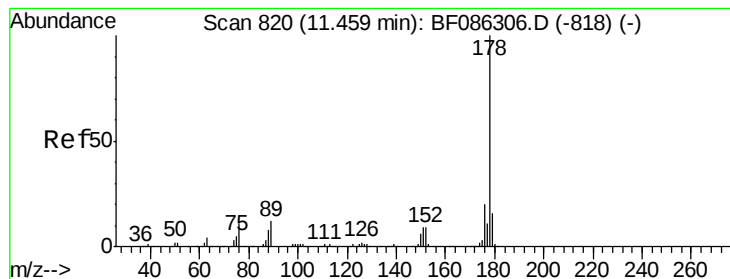
#70
 Phenanthrene
 Concen: 43.05 ng
 RT: 11.39 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:178 Resp: 1421581
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.0 24.0
 179 15.6 12.6 18.8



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: 39.18 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

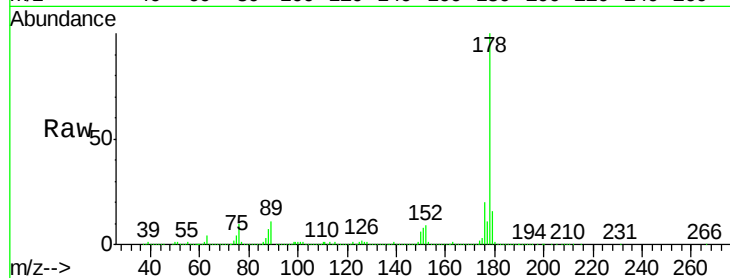
Tgt Ion:178 Resp: 1482397

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

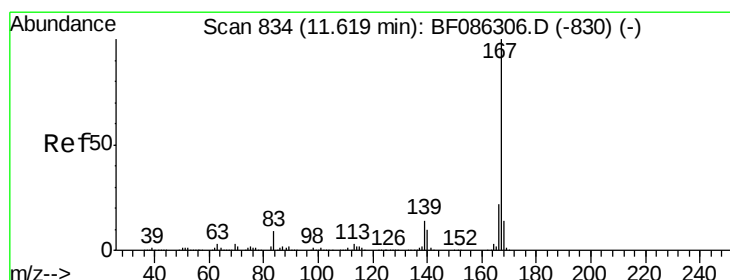
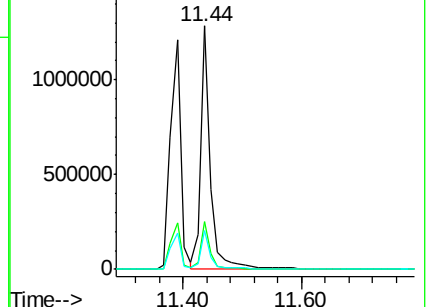
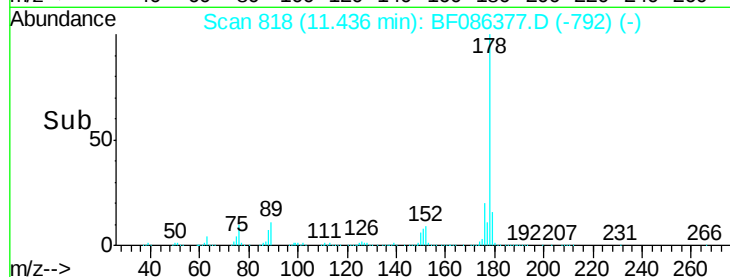
179 15.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.22 ng

RT: 11.60 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

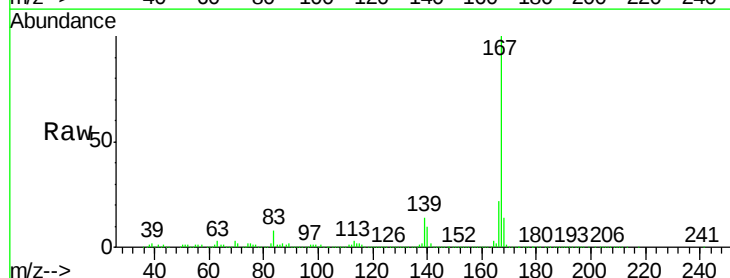
Tgt Ion:167 Resp: 1500478

Ion Ratio Lower Upper

167 100

166 22.3 17.7 26.5

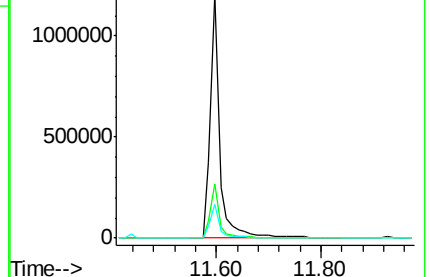
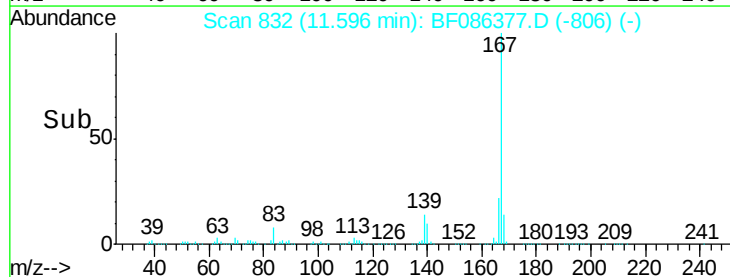
139 14.0 10.8 16.2

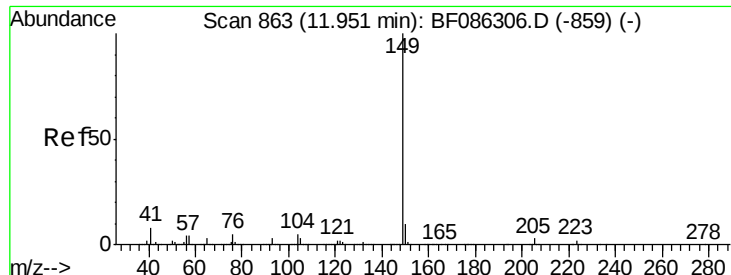


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 41.44 ng

RT: 11.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

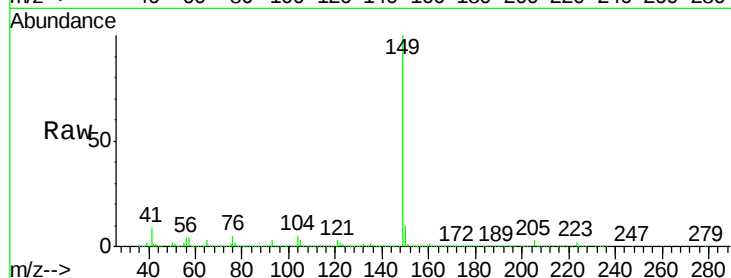
Tgt Ion:149 Resp: 1549162

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

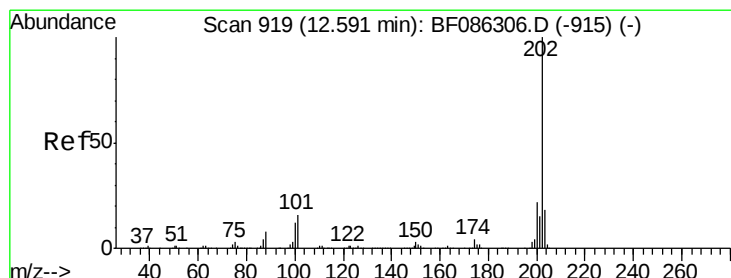
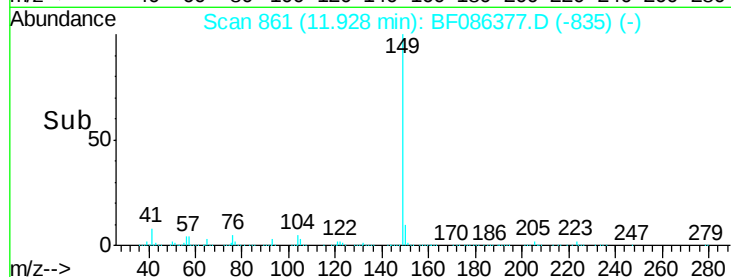
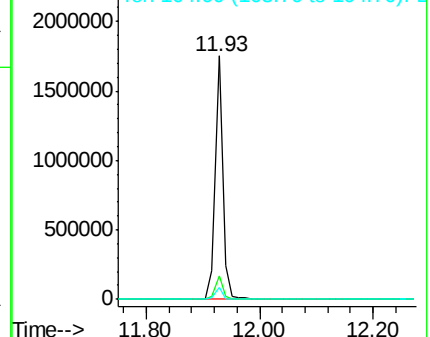
104 5.1 3.8 5.6



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: 37.47 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

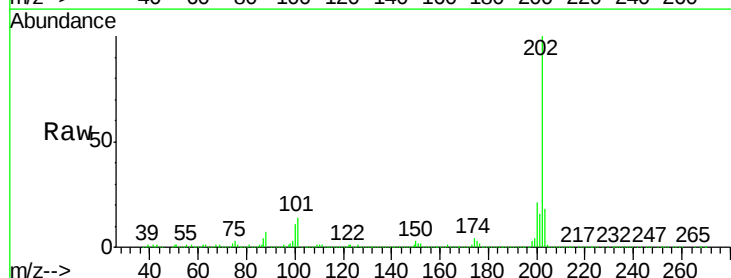
Tgt Ion:202 Resp: 1334529

Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.4

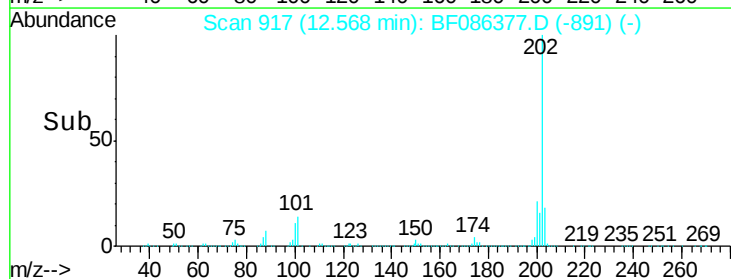
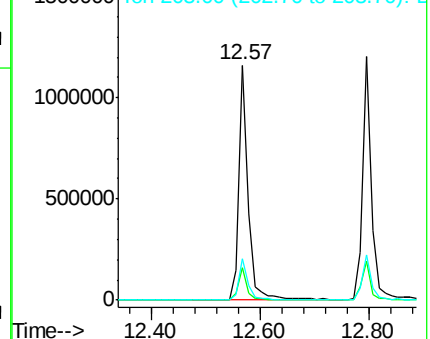
203 17.8 0.0 38.1

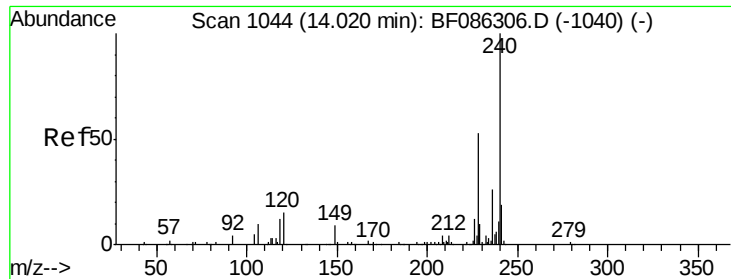


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

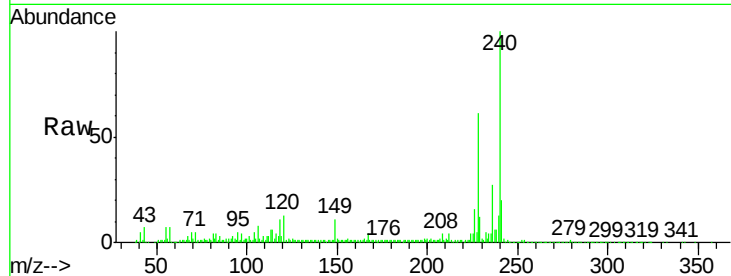
Tgt Ion:240 Resp: 395059

Ion Ratio Lower Upper

240 100

120 12.8 11.2 16.8

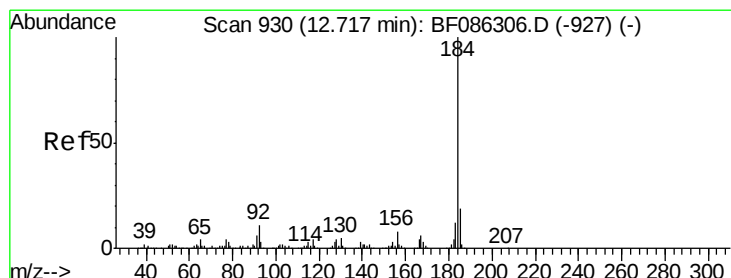
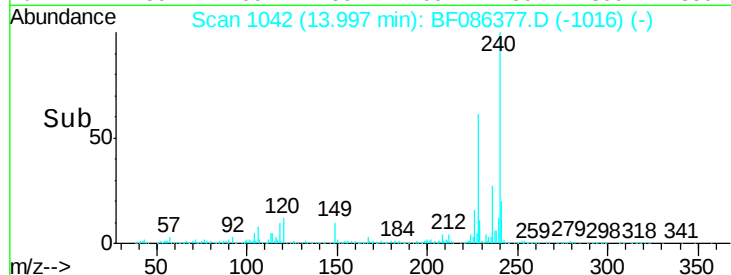
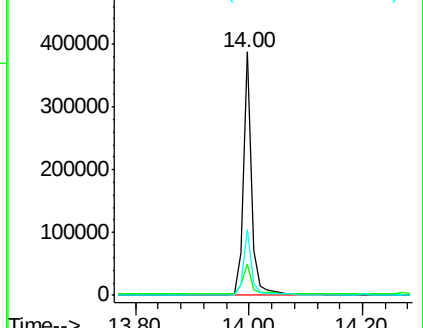
236 26.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 5.24 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

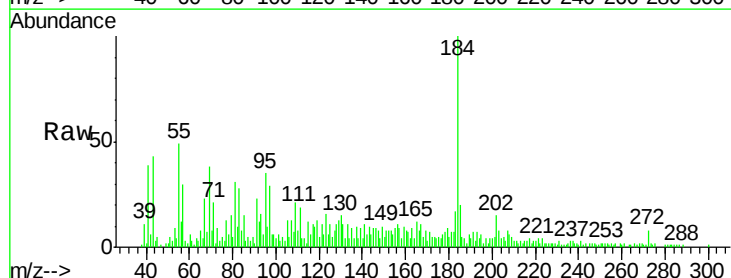
Tgt Ion:184 Resp: 84873

Ion Ratio Lower Upper

184 100

185 20.2 13.6 20.4

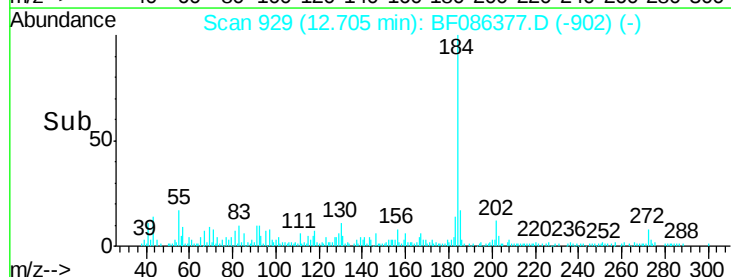
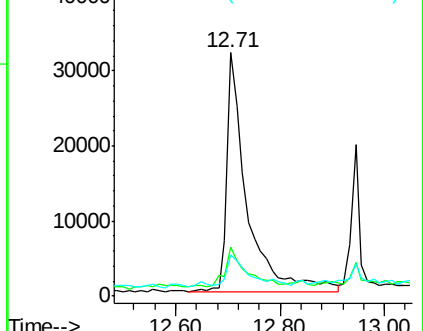
183 17.1 9.8 14.6#

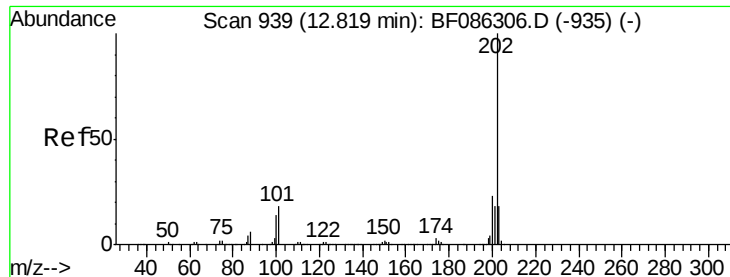


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

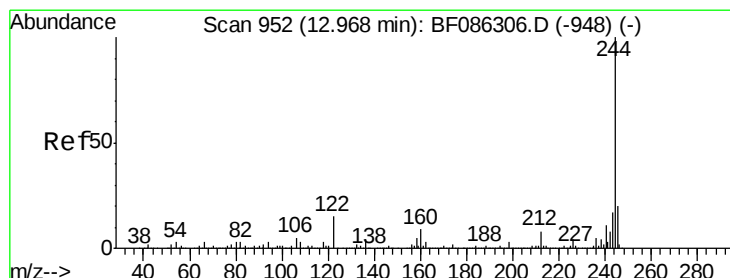
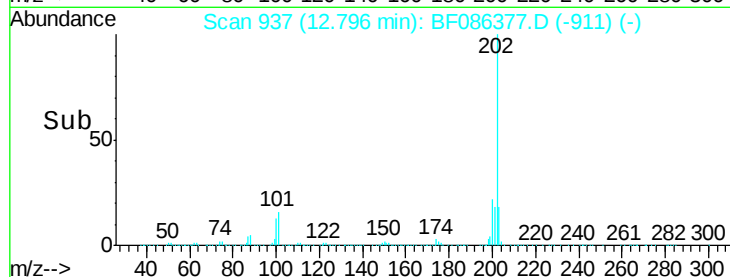
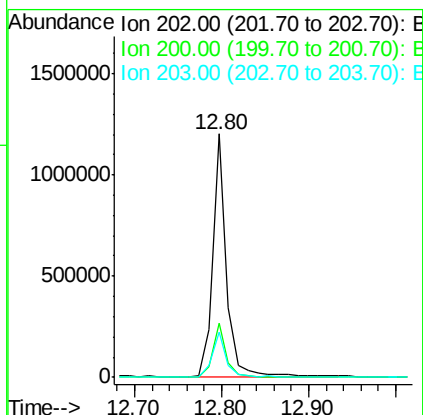
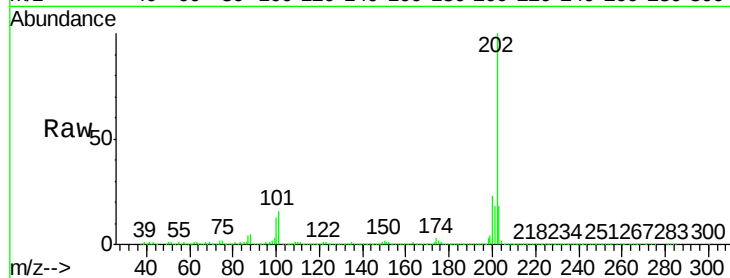




#77
 Pyrene
 Concen: 48.23 ng
 RT: 12.80 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

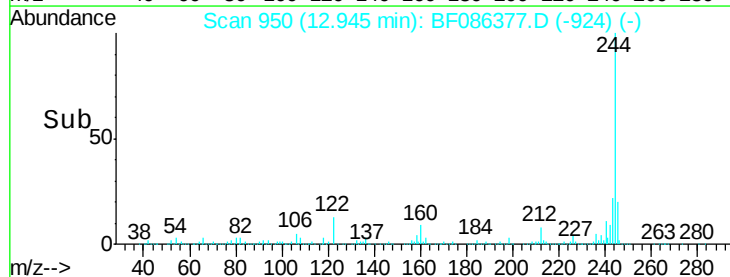
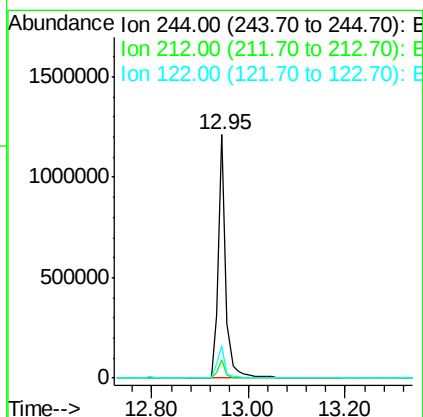
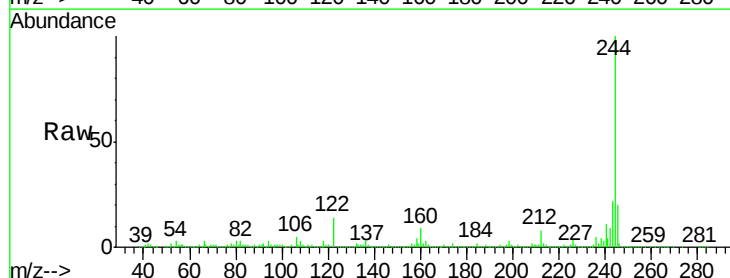
Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

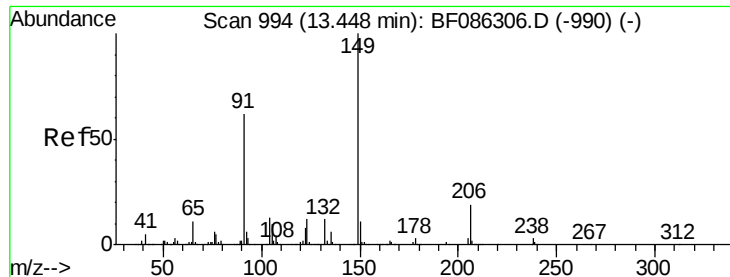
Tgt Ion:202 Resp: 1328800
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.7 26.5
 203 18.5 14.2 21.4



#78
 Terphenyl-d14
 Concen: 85.96 ng
 RT: 12.95 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:244 Resp: 1366791
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.5 12.0 18.0





#79

Butylbenzylphthalate

Concen: 48.93 ng

RT: 13.43 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

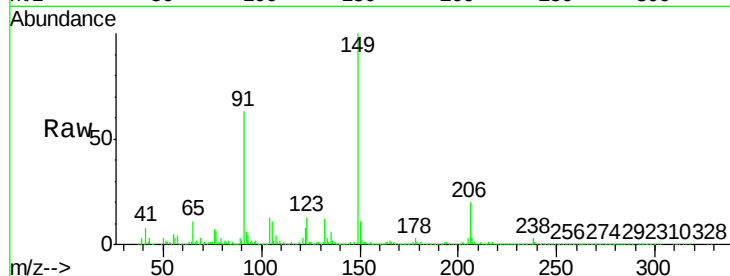
Tgt Ion:149 Resp: 628004

Ion Ratio Lower Upper

149 100

91 62.7 48.0 72.0

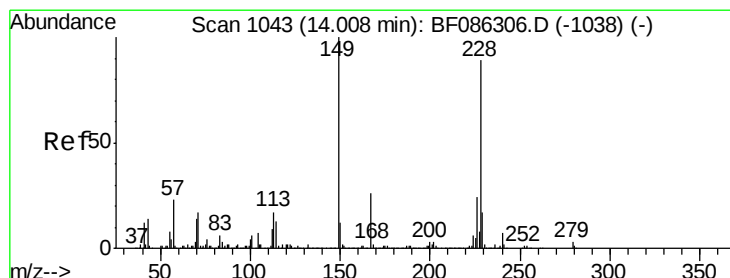
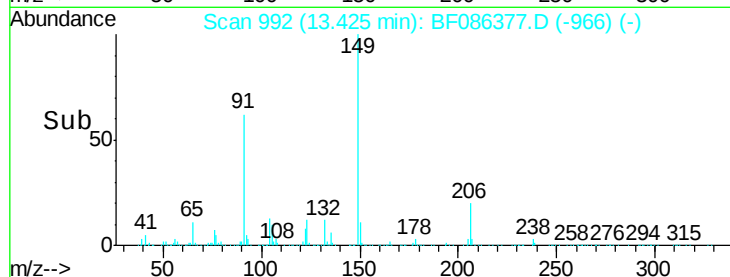
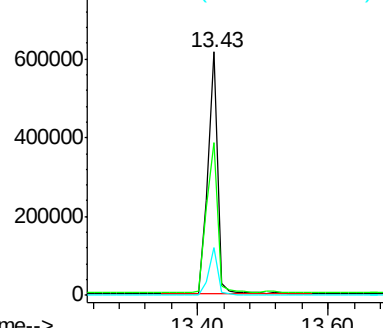
206 19.7 15.8 23.6



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: 45.34 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

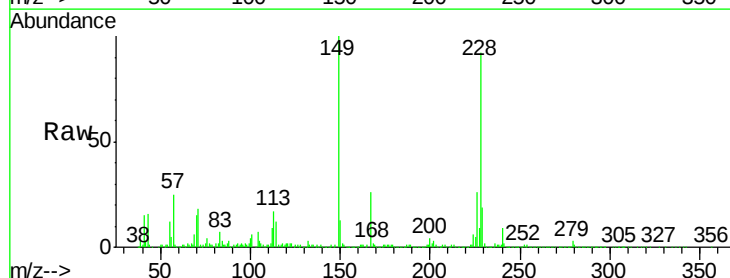
Tgt Ion:228 Resp: 929856

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

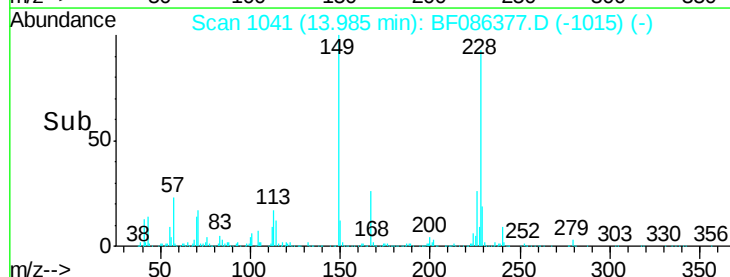
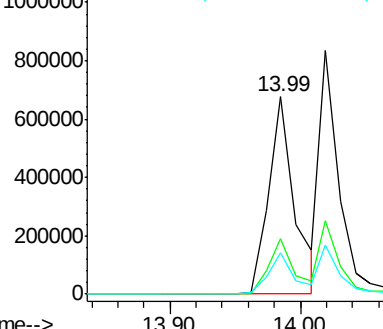
229 20.7 16.6 25.0

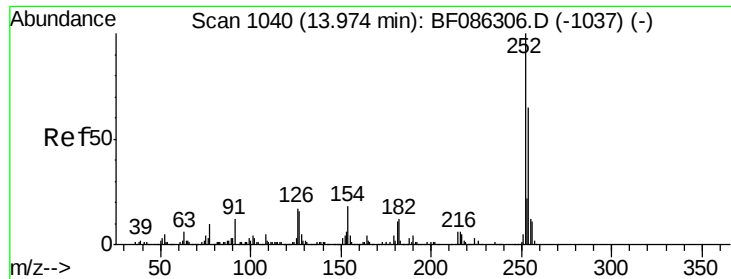


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

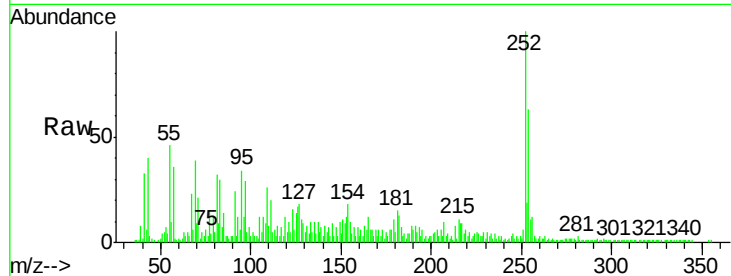




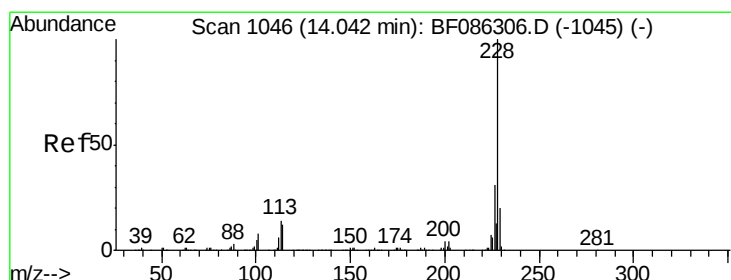
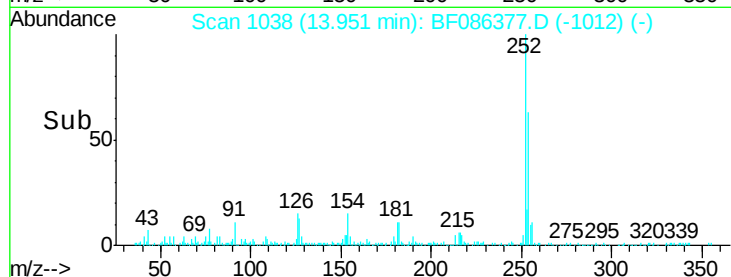
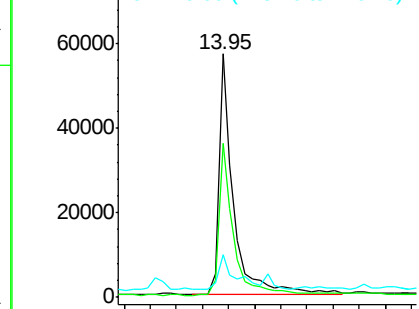
#81
 3,3'-Dichlorobenzidine
 Concen: 6.37 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:252 Resp: 90040
 Ion Ratio Lower Upper
 252 100
 254 63.1 50.7 76.1
 126 17.5 12.7 19.1

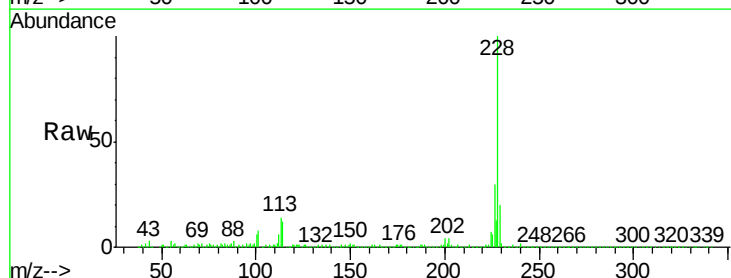


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

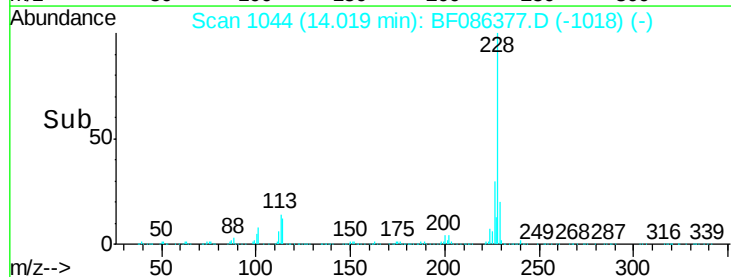
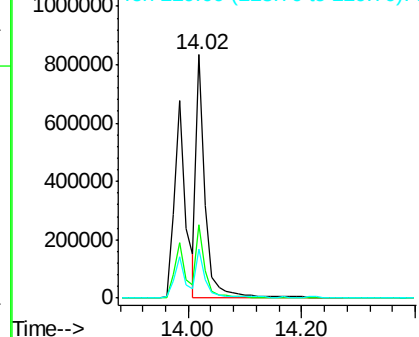


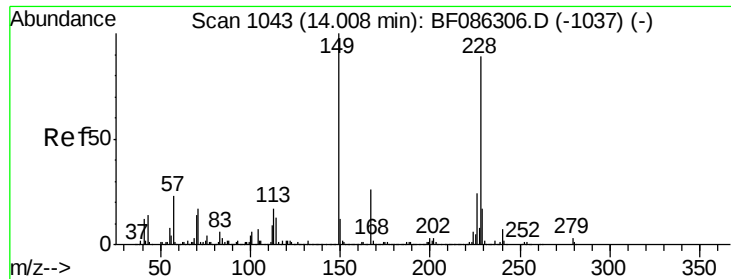
#82
 Chrysene
 Concen: 40.16 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:228 Resp: 927899
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.4 36.6
 229 20.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

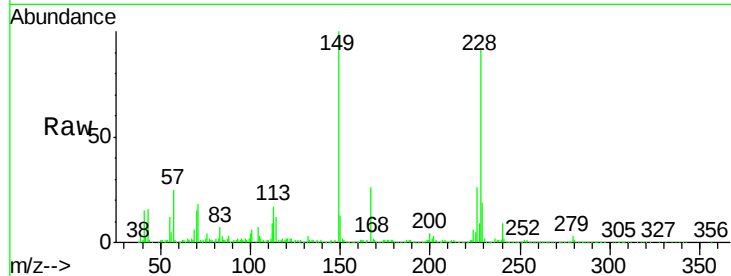




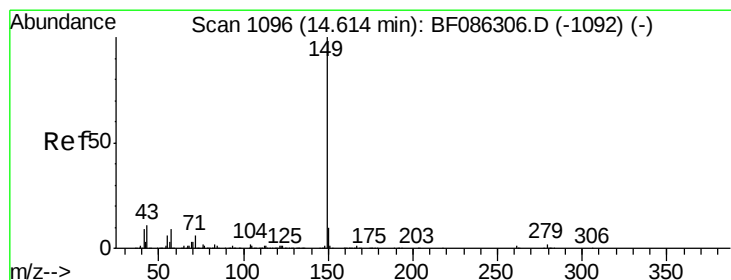
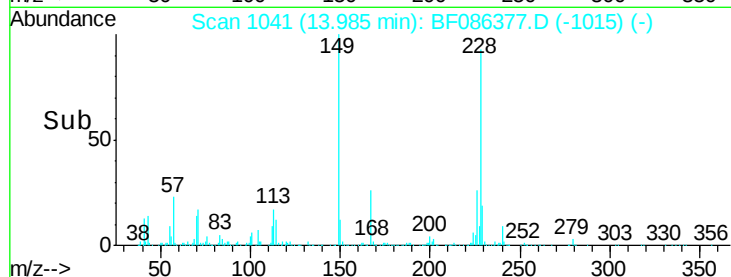
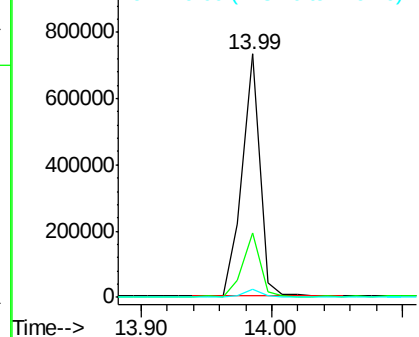
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.61 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion:149 Resp: 684278
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.8 32.6
 279 3.1 2.6 4.0

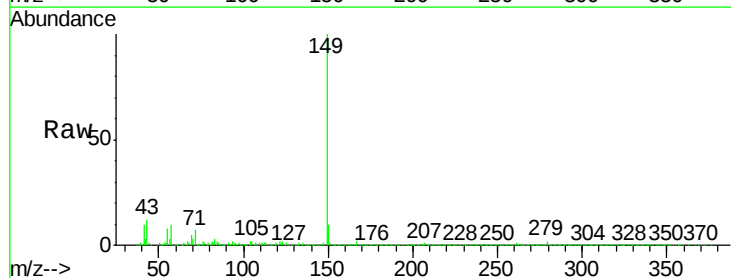


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

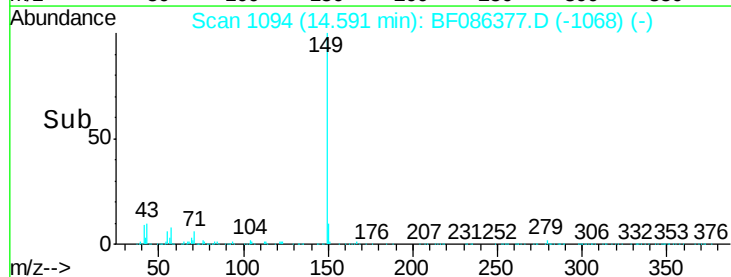
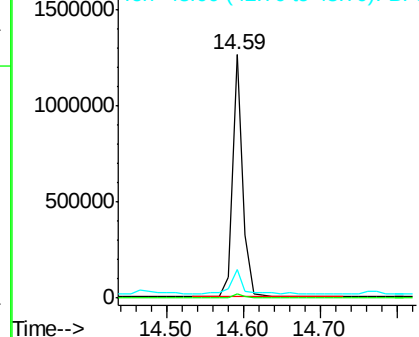


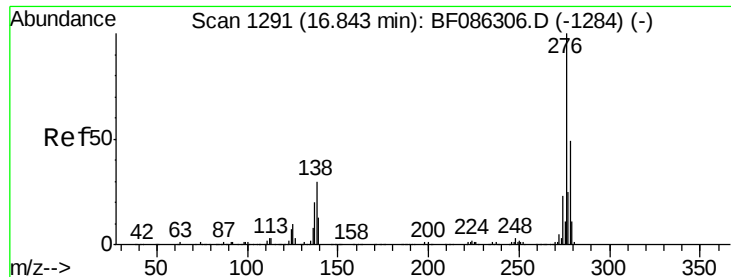
#84
 Di-n-octyl phthalate
 Concen: 43.00 ng
 RT: 14.59 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion:149 Resp: 1186523
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 10.3 8.2 12.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

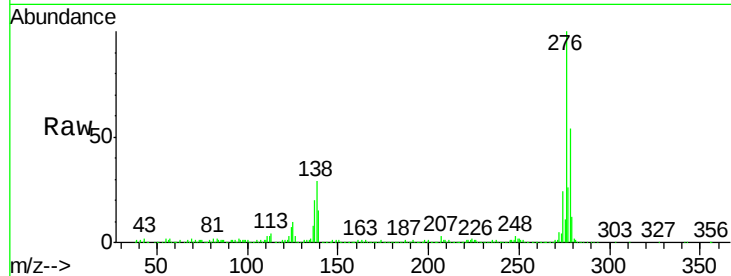




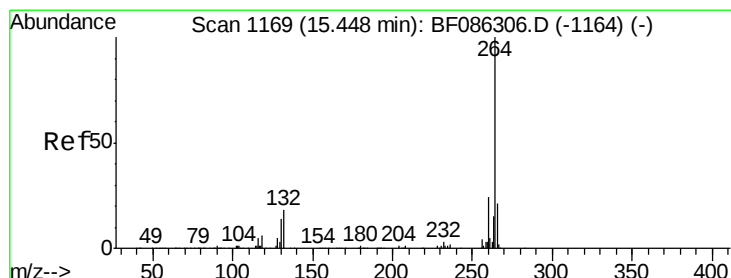
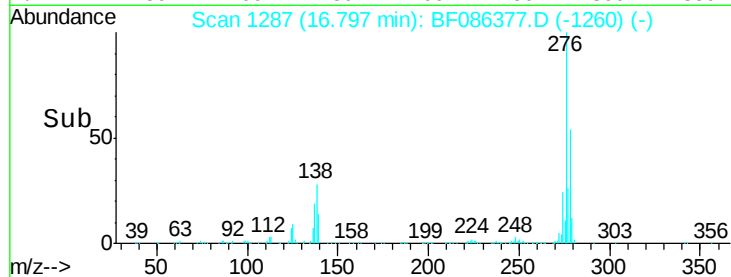
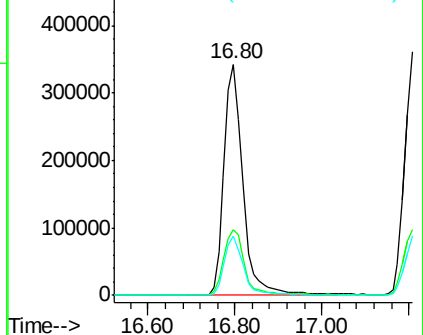
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.84 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-11MSD

Tgt Ion: 276 Resp: 1044310
 Ion Ratio Lower Upper
 276 100
 138 30.4 25.6 38.4
 277 25.2 20.5 30.7

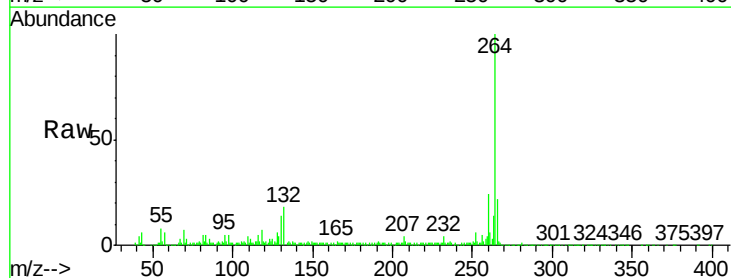


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

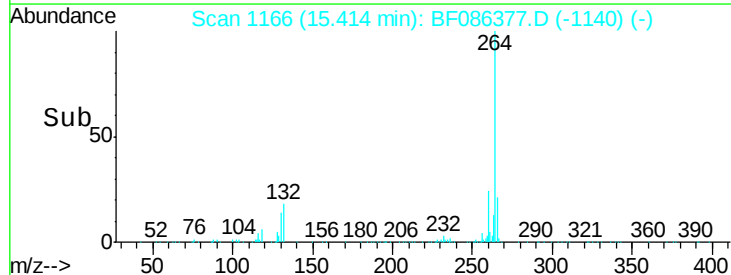
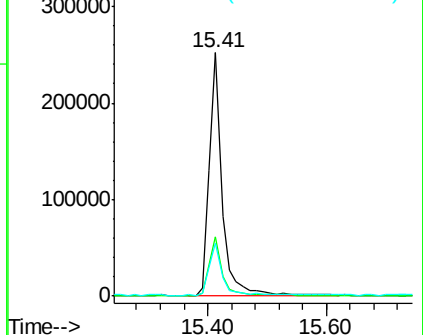


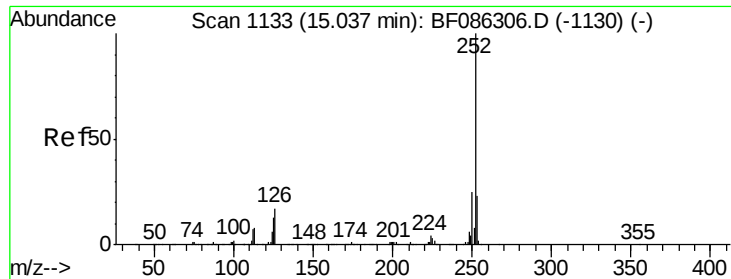
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF086377.D
 Acq: 23 Apr 2016 8:16

Tgt Ion: 264 Resp: 376783
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.8 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 88.30 ng

RT: 15.04 min Scan# 1133

Delta R.T. 0.03 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

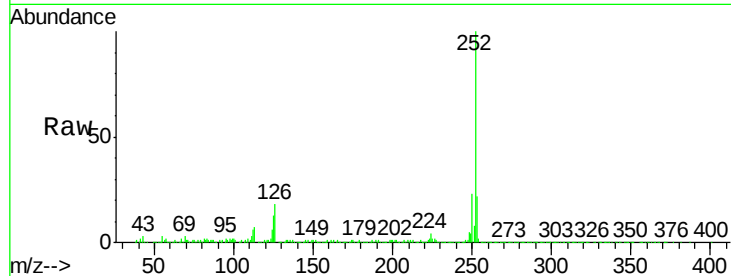
Tgt Ion:252 Resp: 1826134

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

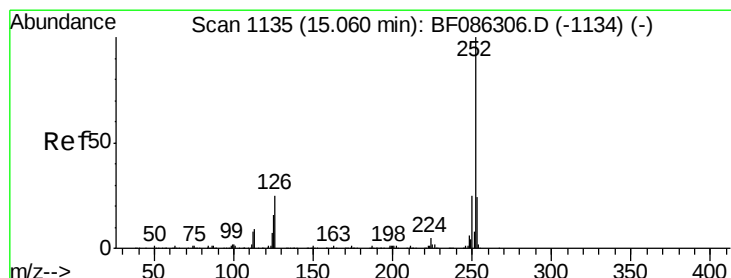
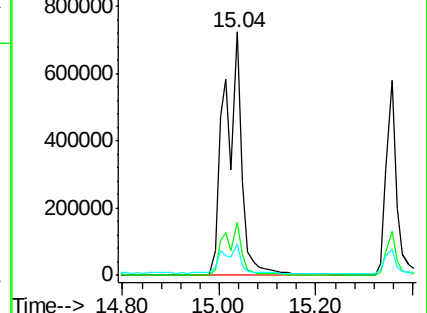
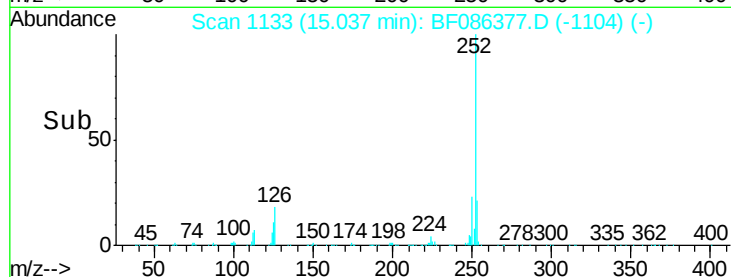
125 12.5 11.4 17.0



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



#88

Benzo(k)fluoranthene

Concen: 90.07 ng

RT: 15.04 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

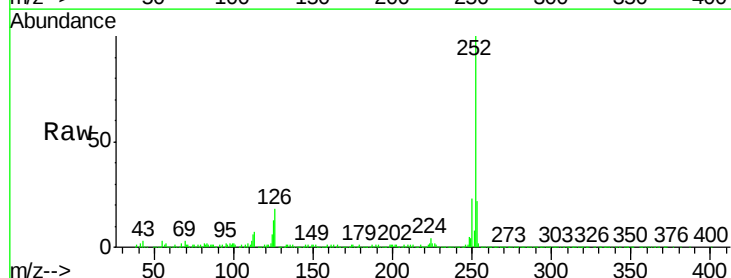
Tgt Ion:252 Resp: 1828284

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

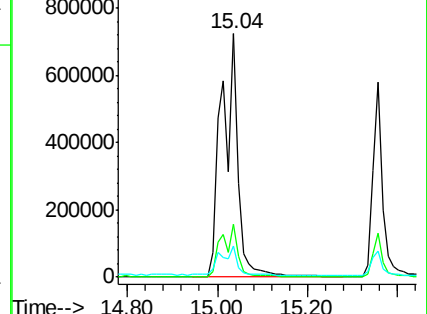
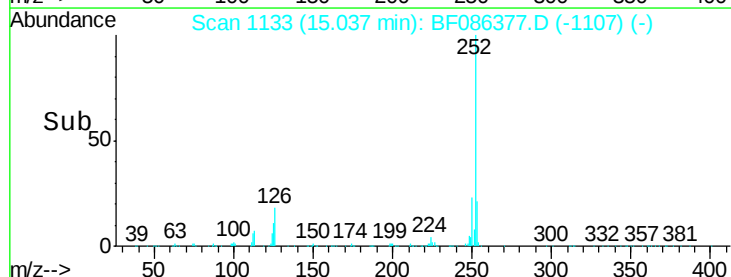
125 12.5 9.1 13.7

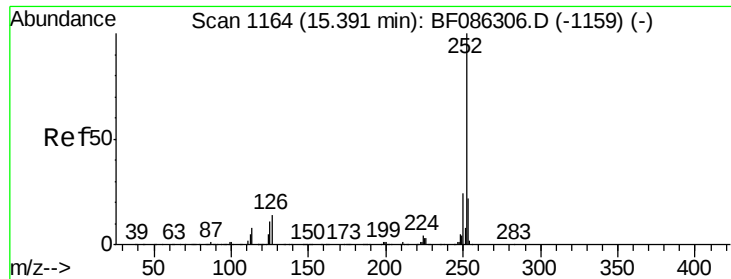


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

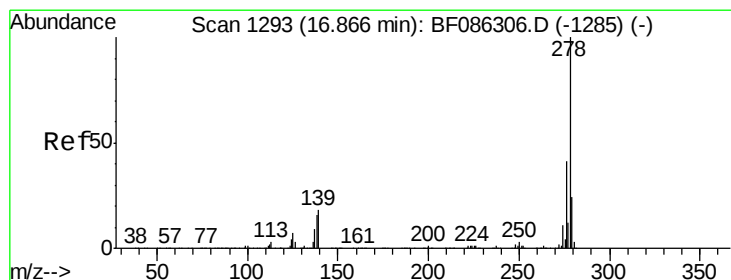
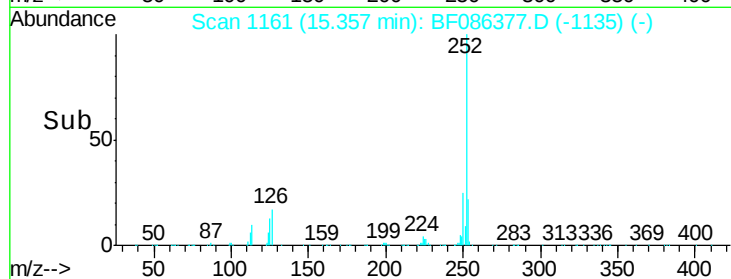
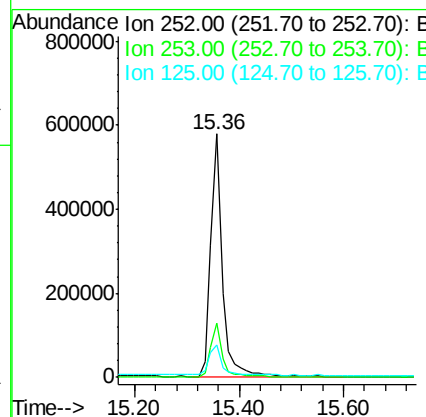
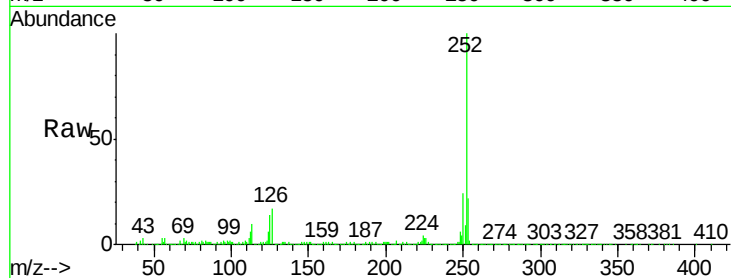




#89
Benzo(a)pyrene
Concen: 43.42 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

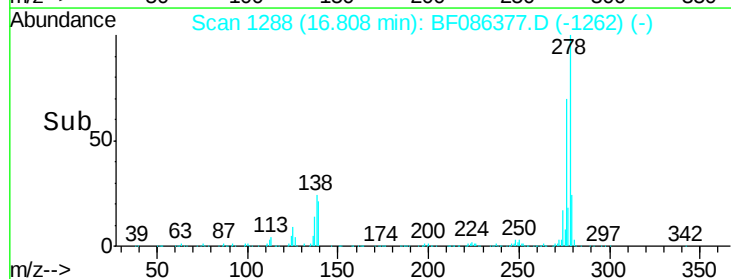
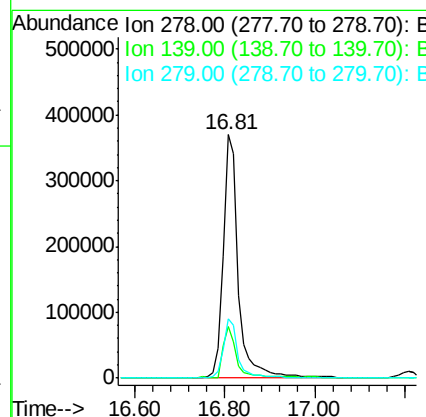
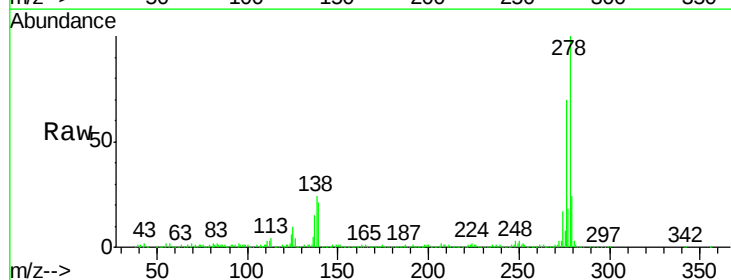
Instrument :
BNA_F
ClientSampleId :
MW-11MSD

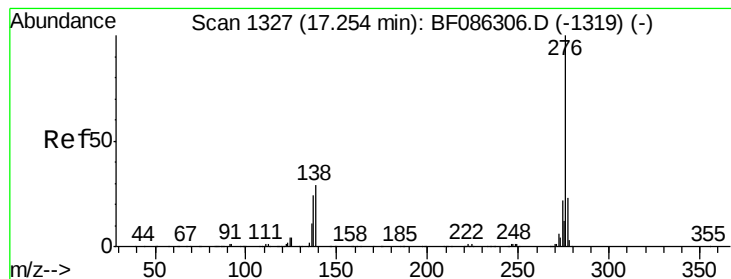
Tgt Ion: 252 Resp: 885935
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 13.5 9.0 13.6



#90
Dibenzo(a,h)anthracene
Concen: 51.53 ng
RT: 16.81 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF086377.D
Acq: 23 Apr 2016 8:16

Tgt Ion: 278 Resp: 867211
Ion Ratio Lower Upper
278 100
139 21.3 16.6 24.8
279 24.4 19.6 29.4





#91

Benzo(g,h,i)perylene

Concen: 52.21 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF086377.D

Acq: 23 Apr 2016 8:16

Instrument :

BNA_F

ClientSampleId :

MW-11MSD

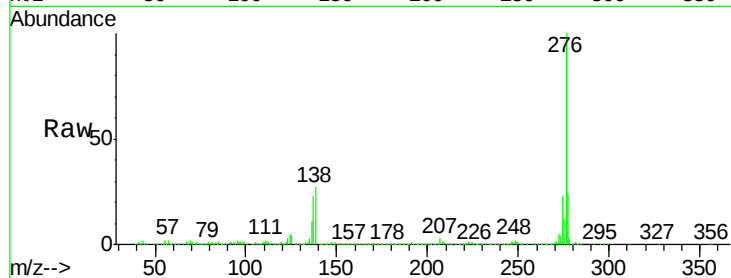
Tgt Ion: 276 Resp: 907115

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 26.9 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

