

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091908.D
 Acq On : 23 Dec 2016 6:28
 Operator : UM/SJ
 Sample : H6156-25MS
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Quant Time: Dec 23 07:12:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	185569	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	759331	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	399590	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	578983	20.00	ng	0.00
75) Chrysene-d12	13.91	240	395326	20.00	ng	0.00
86) Perylene-d12	15.30	264	324380	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1365763	122.89	ng	0.06
7) Phenol-d6	6.45	99	1748453	128.86	ng	0.05
23) Nitrobenzene-d5	7.32	82	1219415	89.30	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	399670	120.86	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	1980444	104.51	ng	0.00
78) Terphenyl-d14	12.85	244	1532126	93.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	186134	34.02	ng	96
3) Pyridine	3.04	79	537316	28.14	ng	98
4) n-Nitrosodimethylamine	3.00	42	285408	39.62	ng	93
6) Aniline	6.42	93	636019	36.09	ng	# 45
8) 2-Chlorophenol	6.56	128	548712	43.40	ng	100
9) Benzaldehyde	6.29	77	100191	10.06	ng	98
10) Phenol	6.46	94	650029	42.04	ng	# 66
11) bis(2-Chloroethyl)ether	6.50	93	613415	49.86	ng	96
12) 1,3-Dichlorobenzene	6.77	146	583955	43.27	ng	97
13) 1,4-Dichlorobenzene	6.77	146	583955	42.51	ng	94
14) 1,2-Dichlorobenzene	6.92	146	482489	40.48	ng	97
15) Benzyl Alcohol	6.91	79	514520	48.80	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.04	45	758174	41.38	ng	87
17) 2-Methylphenol	7.06	107	447557	44.02	ng	93
18) Hexachloroethane	7.26	117	215038	42.23	ng	97
19) n-Nitroso-di-n-propylamine	7.17	70	431091	47.76	ng	99
20) 3+4-Methylphenols	7.21	107	622250	51.31	ng	# 73
22) Acetophenone	7.17	105	870086	46.46	ng	# 87
24) Nitrobenzene	7.34	77	699735	48.11	ng	90
25) Isophorone	7.58	82	1159132	46.01	ng	96
26) 2-Nitrophenol	7.65	139	248814	34.69	ng	92
27) 2,4-Dimethylphenol	7.72	122	456734	38.39	ng	98
28) bis(2-Chloroethoxy)methane	7.80	93	766667	50.18	ng	100
29) 2,4-Dichlorophenol	7.93	162	463303	45.99	ng	97
30) 1,2,4-Trichlorobenzene	7.98	180	492568	44.62	ng	96
31) Naphthalene	8.06	128	4710347	135.54	ng	98
32) Benzoic acid	7.85	122	73489	8.33	ng	89
33) 4-Chloroaniline	8.12	127	566839	36.17	ng	98
34) Hexachlorobutadiene	8.18	225	280875	48.20	ng	99
35) Caprolactam	8.49	113	111220	33.60	ng	# 56
36) 4-Chloro-3-methylphenol	8.62	107	482453	41.62	ng	95
37) 2-Methylnaphthalene	8.75	142	1178807	69.49	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	489379	48.47	ng	99
40) Hexachlorocyclopentadiene	8.90	237	179870	41.99	ng	95

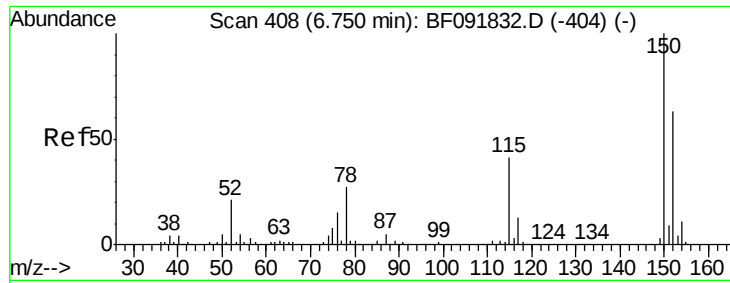
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	293908	41.63	ng	98
43) 2,4,5-Trichlorophenol	9.09	196	274364	37.76	ng	99
45) 1,1'-Biphenyl	9.22	154	1441381	52.68	ng	99
46) 2-Chloronaphthalene	9.24	162	1012083	46.71	ng	97
47) 2-Nitroaniline	9.34	65	293324	38.02	ng	99
48) Acenaphthylene	9.65	152	1538801	46.18	ng	99
49) Dimethylphthalate	9.53	163	1282567	50.18	ng	100
50) 2,6-Dinitrotoluene	9.58	165	239686	42.85	ng	# 72
51) Acenaphthene	9.82	154	1002673	44.38	ng	99
52) 3-Nitroaniline	9.76	138	241903	34.94	ng	95
53) 2,4-Dinitrophenol	9.86	184	27192	8.74	ng	# 47
54) Dibenzofuran	10.00	168	1366123	44.78	ng	98
55) 4-Nitrophenol	10.00	139	819482	174.34	ng	# 6
56) 2,4-Dinitrotoluene	9.98	165	281692	40.12	ng	# 83
57) Fluorene	10.34	166	1080605	48.68	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	210147	36.57	ng	100
59) Diethylphthalate	10.21	149	1215537	48.97	ng	100
60) 4-Chlorophenyl-phenylether	10.33	204	446668	45.96	ng	97
61) 4-Nitroaniline	10.37	138	246403	34.35	ng	98
62) Azobenzene	10.49	77	1226794	44.89	ng	99
64) 4,6-Dinitro-2-methylphenol	10.40	198	44096	12.59	ng	72
65) n-Nitrosodiphenylamine	10.45	169	901793	52.49	ng	99
66) 4-Bromophenyl-phenylether	10.82	248	306499	50.89	ng	99
67) Hexachlorobenzene	10.89	284	330214	51.29	ng	95
68) Atrazine	10.99	200	327733	59.14	ng	96
69) Pentachlorophenol	11.09	266	190099	60.18	ng	100
70) Phenanthrene	11.30	178	1515883	48.28	ng	98
71) Anthracene	11.35	178	1337247	49.89	ng	99
72) Carbazole	11.51	167	1206611	48.19	ng	98
73) Di-n-butylphthalate	11.84	149	1706959	58.62	ng	99
74) Fluoranthene	12.48	202	1228368	44.56	ng	98
76) Benzidine	12.61	184	429089	41.98	ng	96
77) Pyrene	12.71	202	1225512	42.25	ng	100
79) Butylbenzylphthalate	13.33	149	687510	52.12	ng	88
80) Benzo(a)anthracene	13.89	228	965435	43.26	ng	99
81) 3,3'-Dichlorobenzidine	13.86	252	281605	33.28	ng	96
82) Chrysene	13.93	228	842402	37.63	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	920907	59.28	ng	# 99
84) Di-n-octyl phthalate	14.50	149	1451906	50.45	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	766718	39.54	ng	97
87) Benzo(b)fluoranthene	14.91	252	1784199	88.35	ng	97
88) Benzo(k)fluoranthene	14.91	252	1784199	103.60	ng	98
89) Benzo(a)pyrene	15.24	252	833142	46.48	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	645249	43.80	ng	95
91) Benzo(g,h,i)perylene	17.05	276	626379	40.89	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

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WC-201612MS

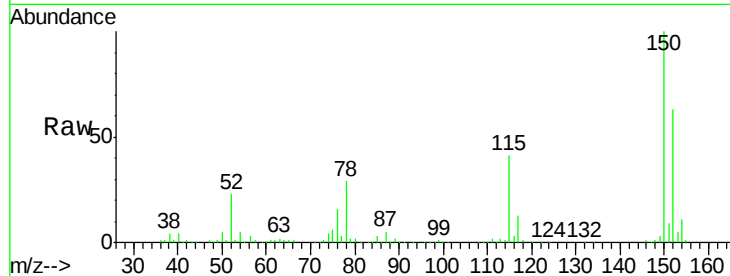
Tgt Ion:152 Resp: 185569

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

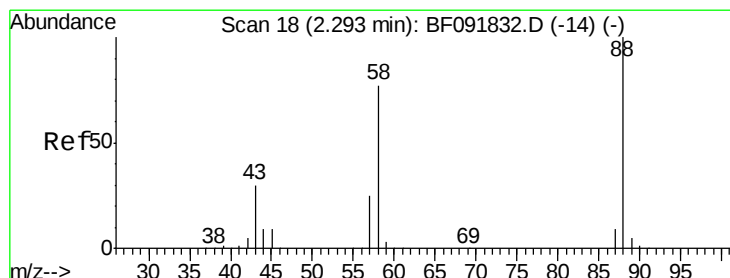
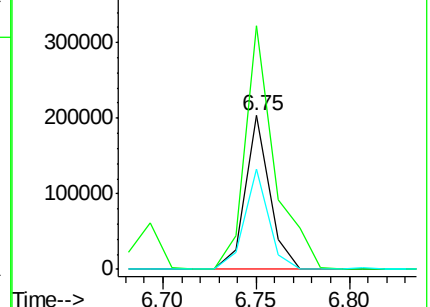
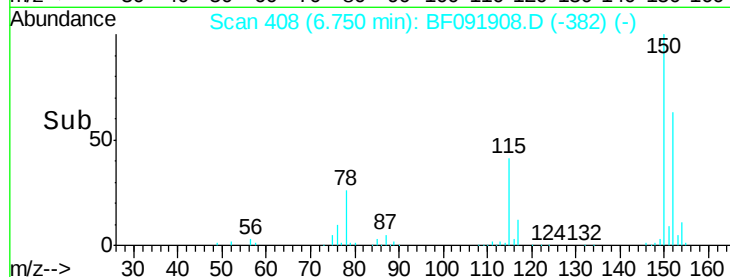
115 65.1 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.02 ng

RT: 2.36 min Scan# 24

Delta R.T. 0.07 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

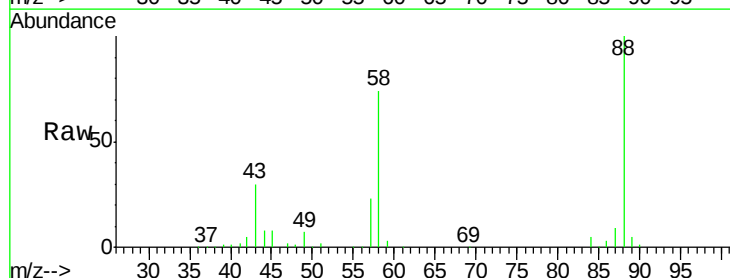
Tgt Ion: 88 Resp: 186134

Ion Ratio Lower Upper

88 100

58 75.4 57.8 86.8

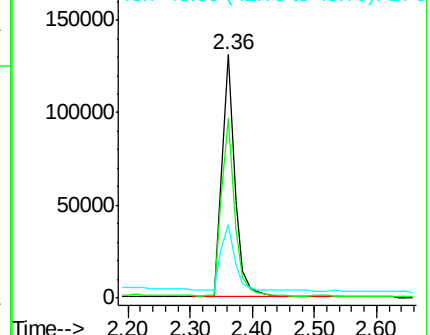
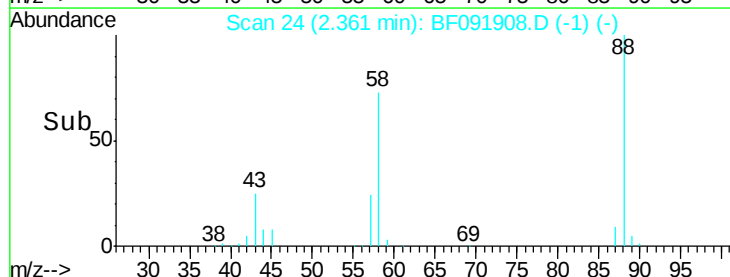
43 30.7 22.3 33.5

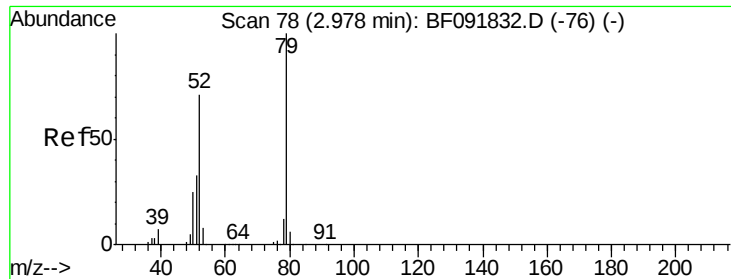


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 28.14 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.06 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

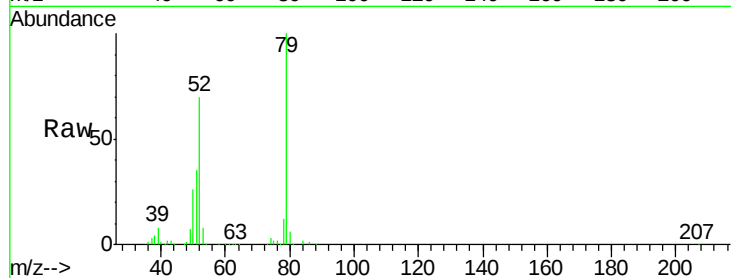
Tgt Ion: 79 Resp: 537316

Ion Ratio Lower Upper

79 100

52 70.3 57.1 85.7

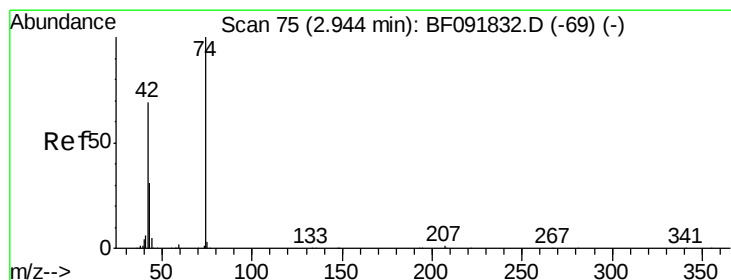
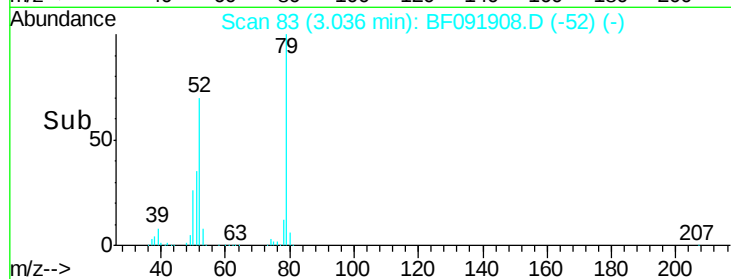
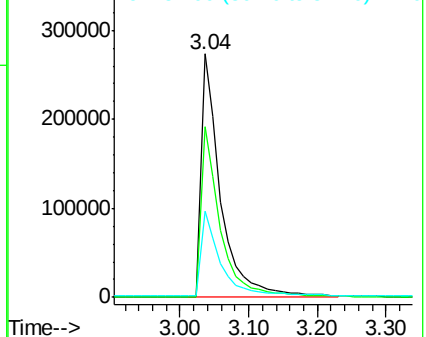
51 35.4 27.3 40.9



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: 39.62 ng

RT: 3.00 min Scan# 80

Delta R.T. 0.06 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

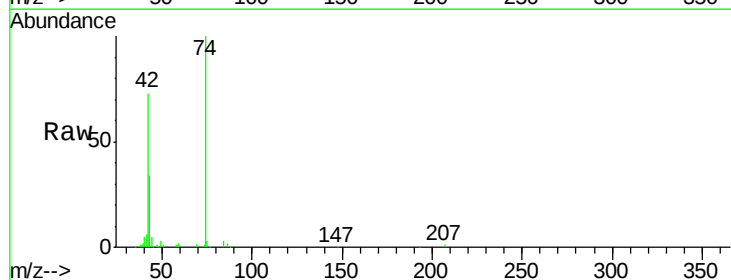
Tgt Ion: 42 Resp: 285408

Ion Ratio Lower Upper

42 100

74 137.7 117.0 175.4

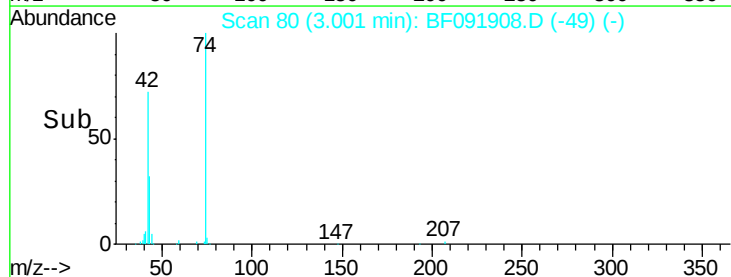
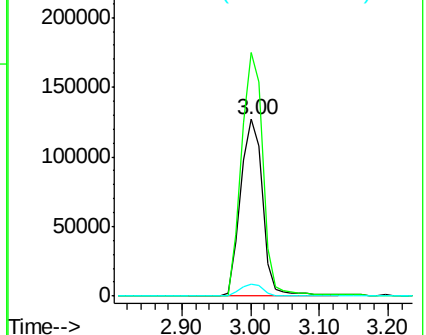
44 6.9 5.5 8.3

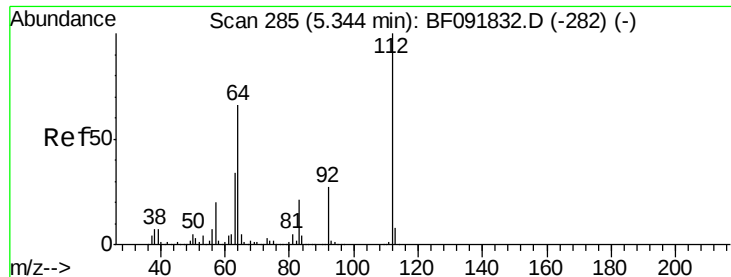


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 122.89 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

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WC-201612MS

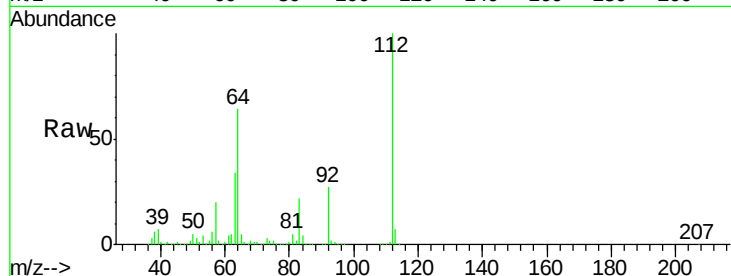
Tgt Ion:112 Resp: 1365763

Ion Ratio Lower Upper

112 100

64 63.8 46.1 69.1

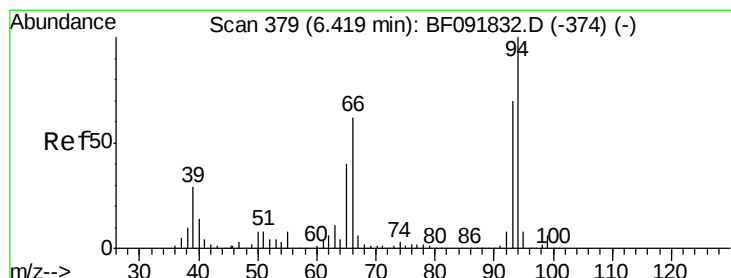
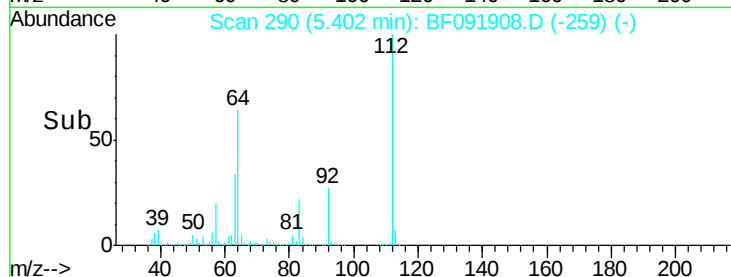
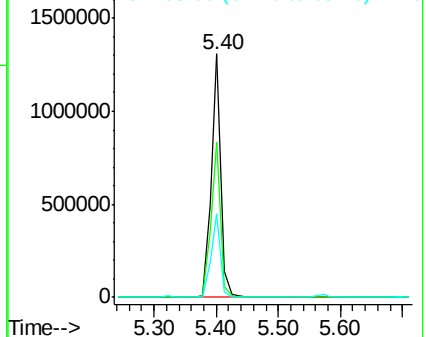
63 34.2 23.8 35.6



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: 36.09 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

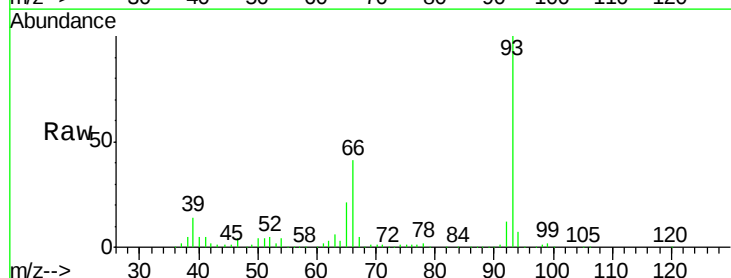
Tgt Ion: 93 Resp: 636019

Ion Ratio Lower Upper

93 100

66 40.7 76.2 114.2#

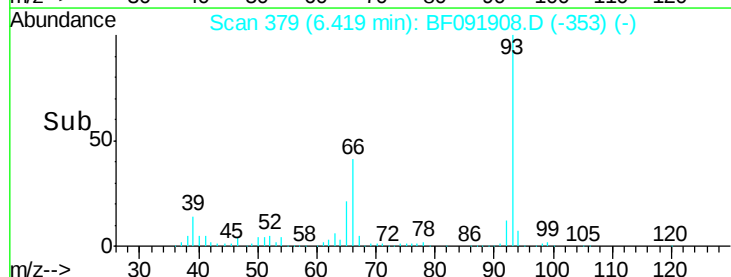
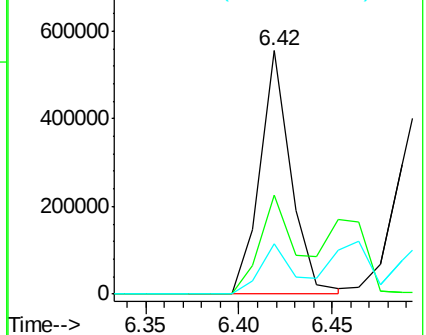
65 20.8 49.3 73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.86 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091908.D

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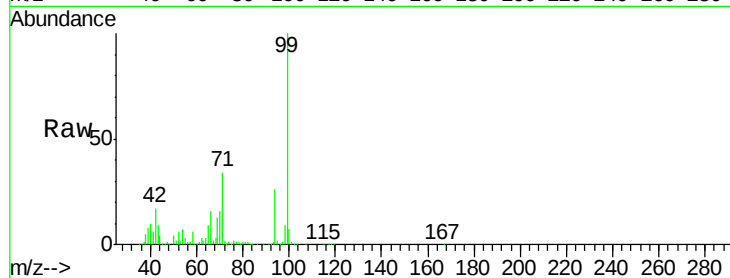
Tgt Ion: 99 Resp: 1748453

Ion Ratio Lower Upper

99 100

42 17.0 15.6 23.4

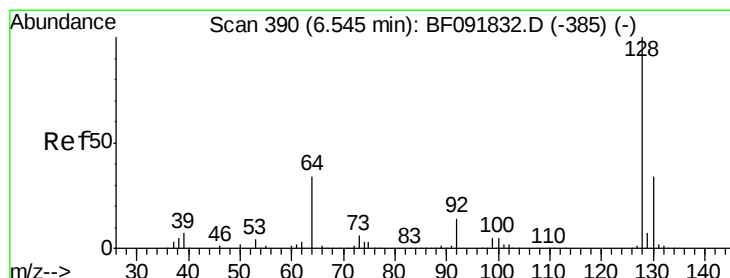
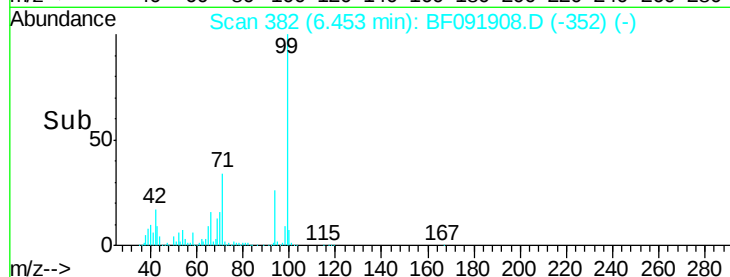
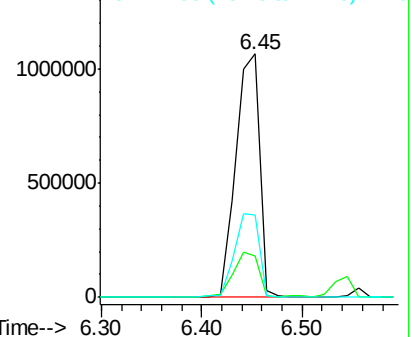
71 33.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.40 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

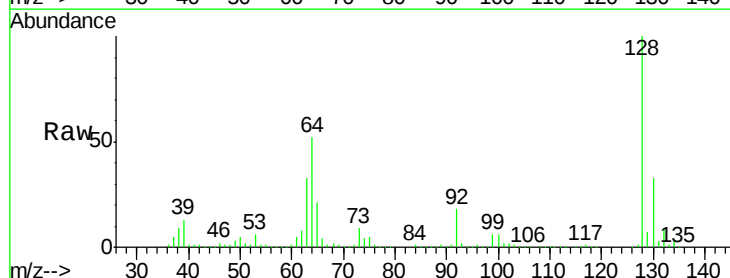
Tgt Ion: 128 Resp: 548712

Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

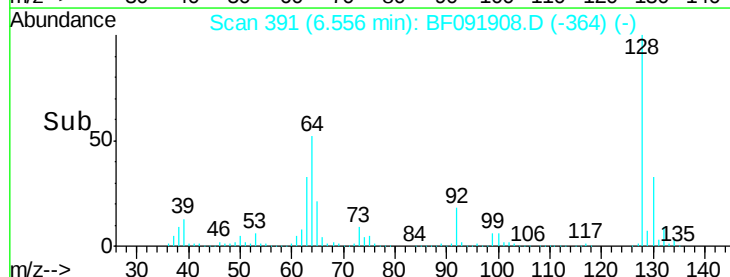
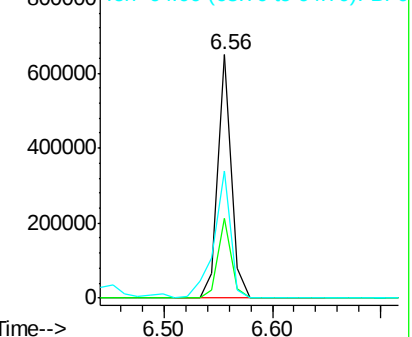
64 52.2 32.2 72.2

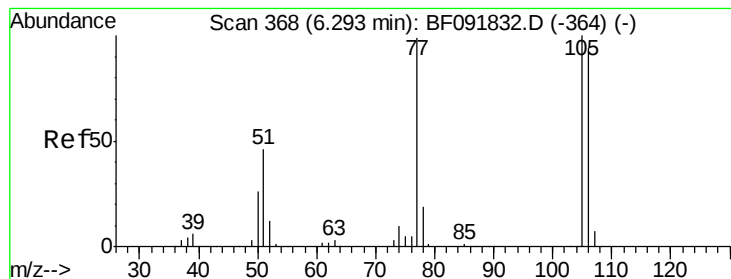


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.06 ng

RT: 6.29 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

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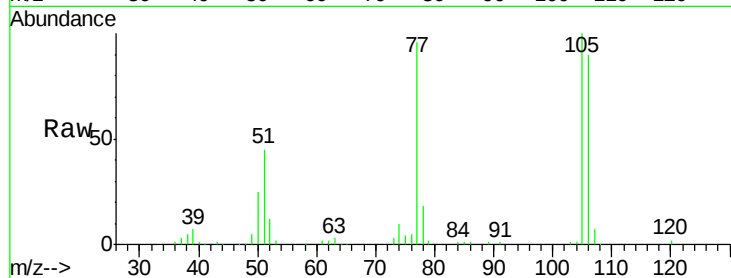
Tgt Ion: 77 Resp: 100191

Ion Ratio Lower Upper

77 100

105 104.3 83.9 123.9

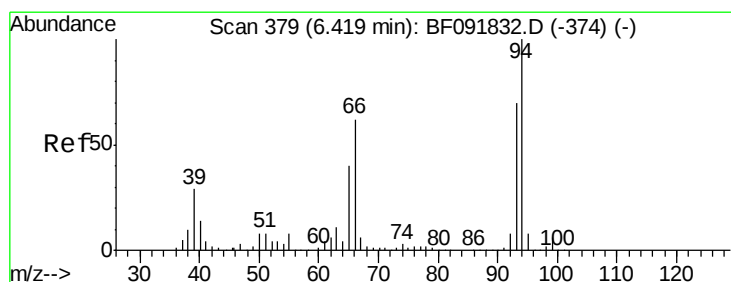
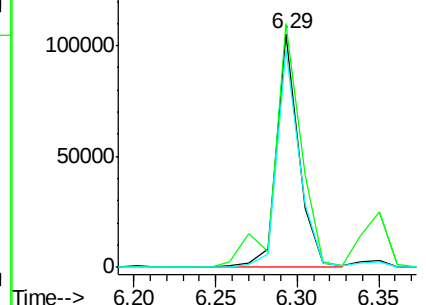
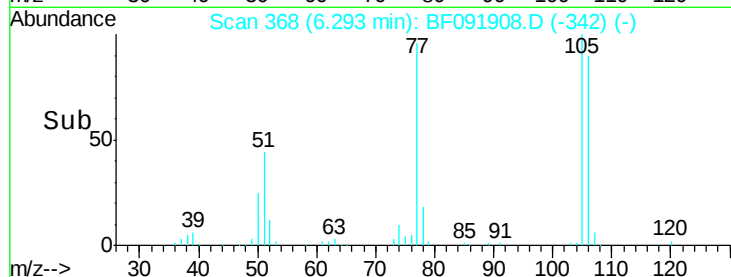
106 93.4 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 42.04 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

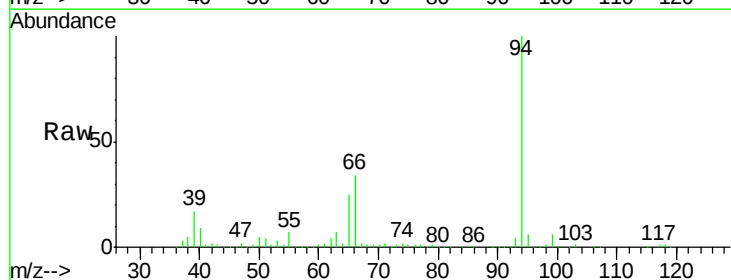
Tgt Ion: 94 Resp: 650029

Ion Ratio Lower Upper

94 100

65 24.9 21.4 61.4

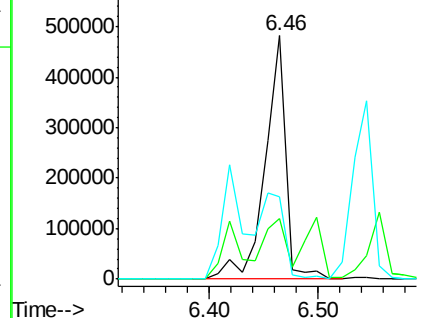
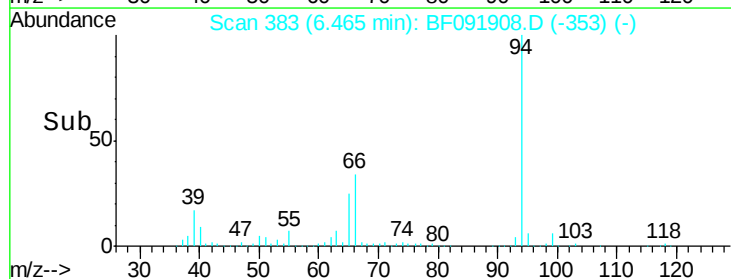
66 33.8 44.0 84.0#

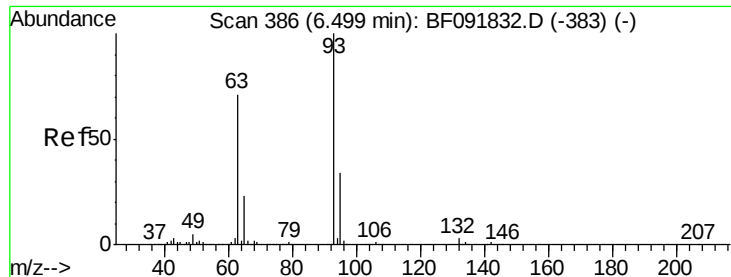


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

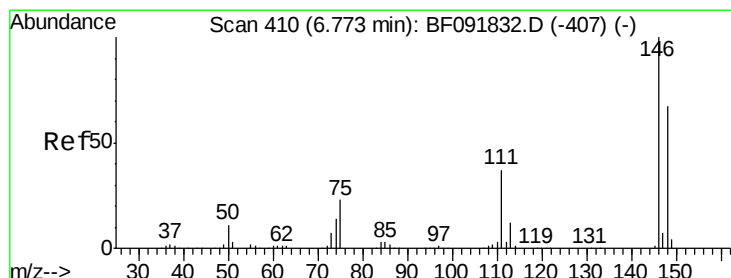
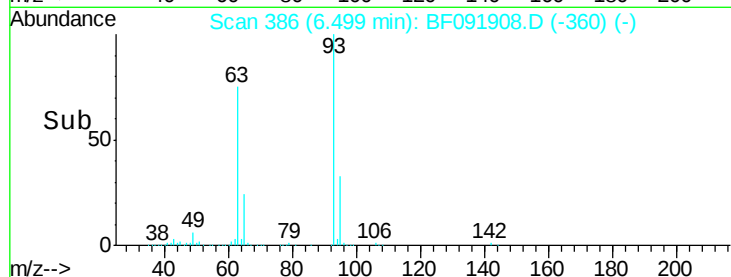
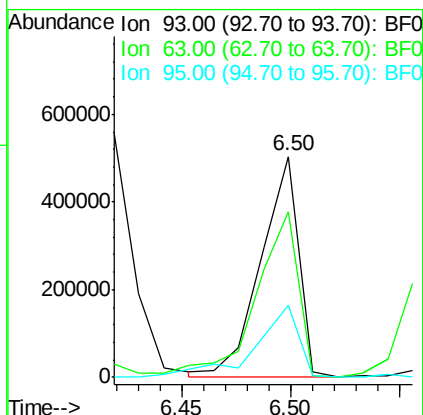
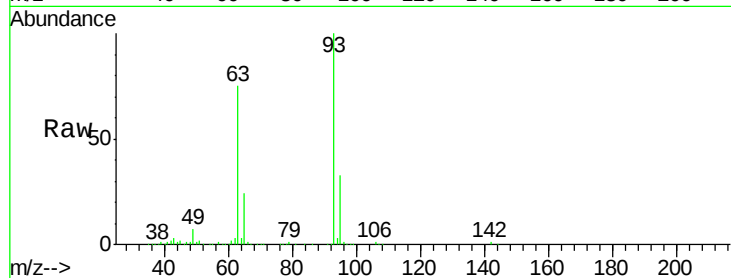




#11
bis(2-Chloroethyl)ether
Concen: 49.86 ng
RT: 6.50 min Scan# 386
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

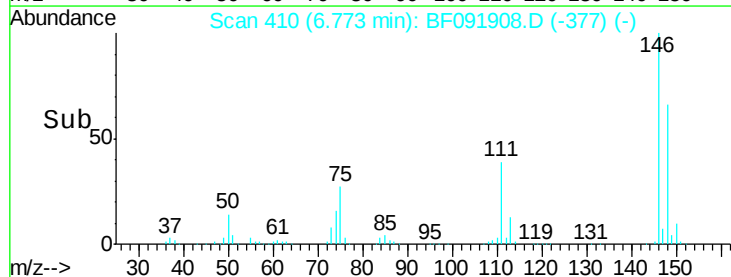
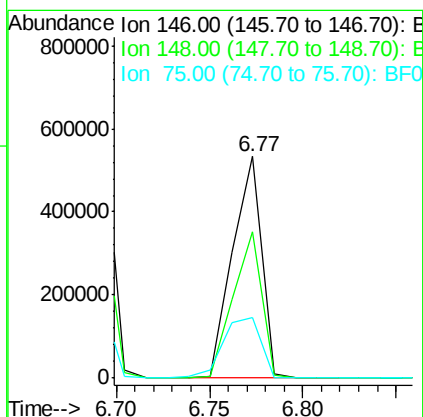
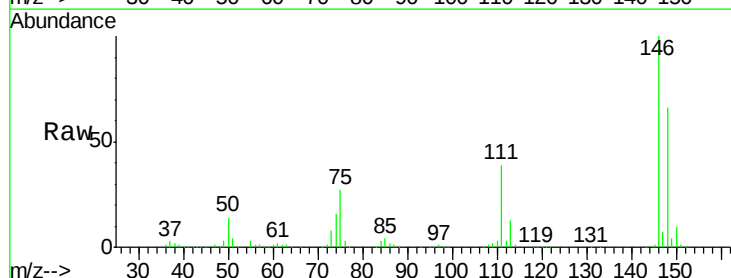
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

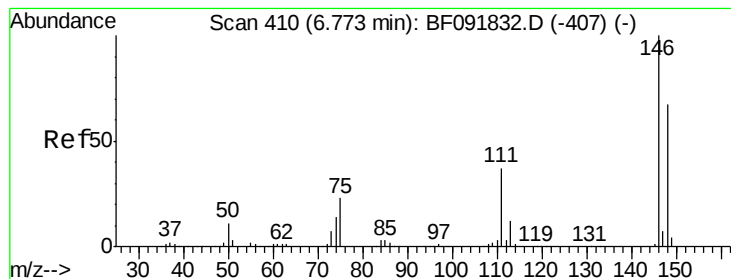
Tgt Ion: 93 Resp: 613415
Ion Ratio Lower Upper
93 100
63 75.3 60.4 100.4
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 43.27 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.08 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion: 146 Resp: 583955
Ion Ratio Lower Upper
146 100
148 65.9 53.4 80.0
75 27.2 18.5 27.7





#13

1,4-Dichlorobenzene

Concen: 42.51 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

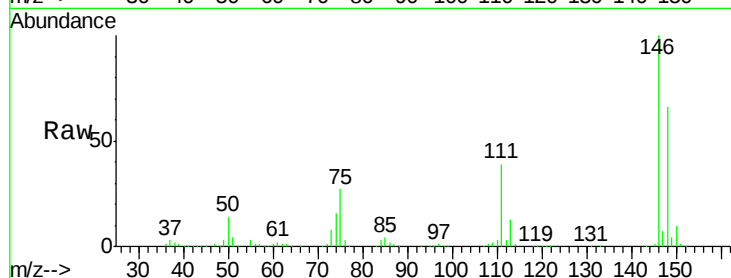
Tgt Ion:146 Resp: 583955

Ion Ratio Lower Upper

146 100

148 65.9 50.6 76.0

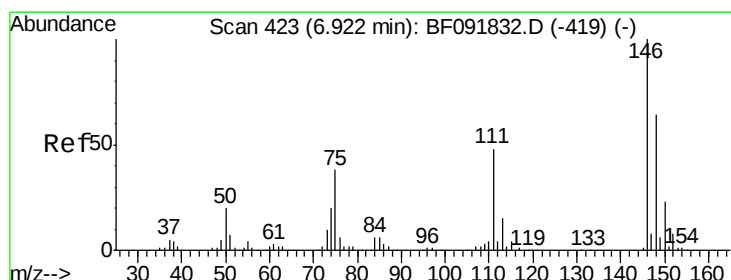
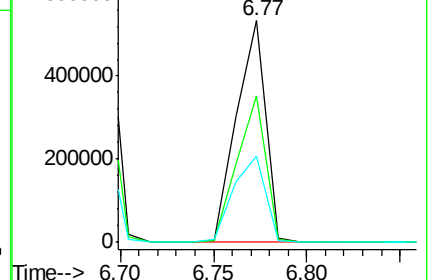
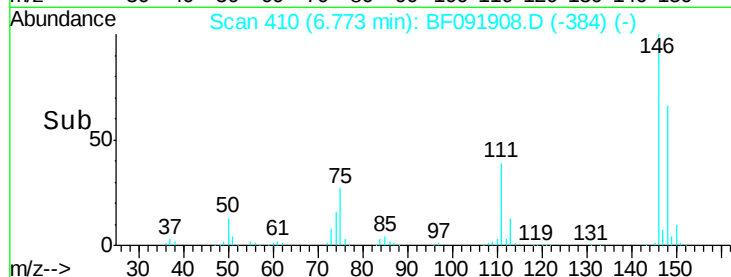
111 39.0 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.48 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

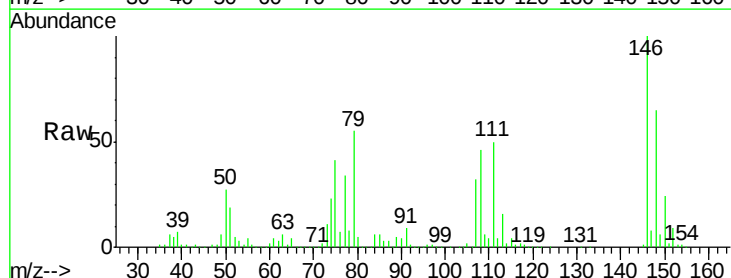
Tgt Ion:146 Resp: 482489

Ion Ratio Lower Upper

146 100

148 65.2 52.2 78.2

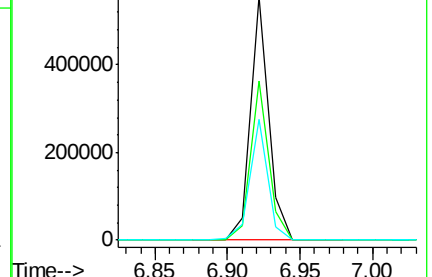
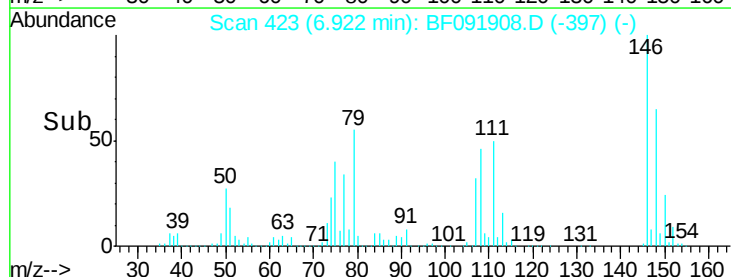
111 49.5 36.2 54.2

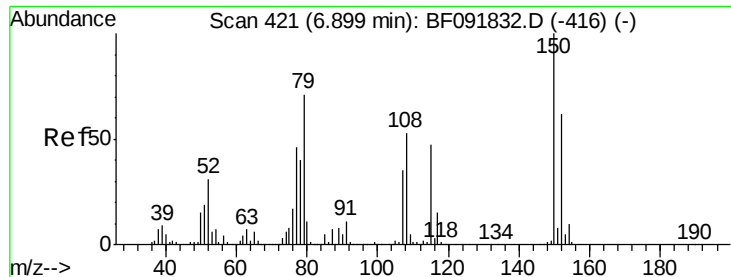


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 48.80 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

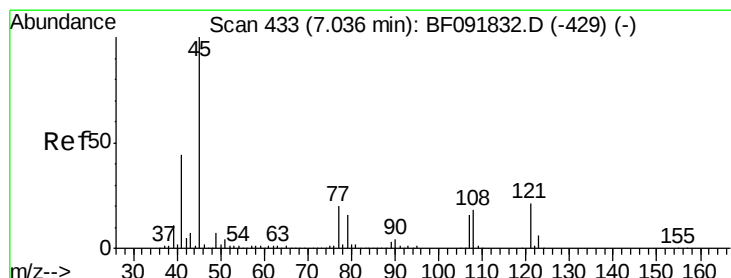
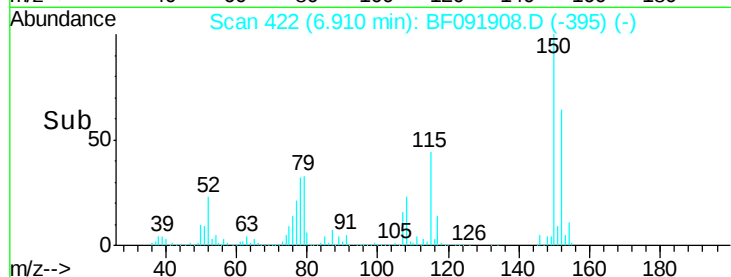
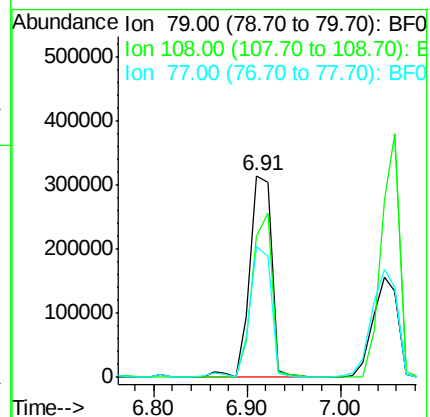
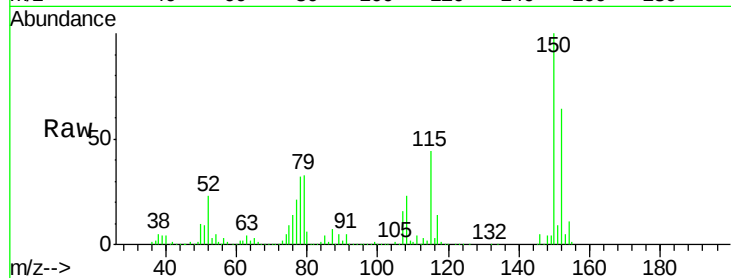
Tgt Ion: 79 Resp: 514520

Ion Ratio Lower Upper

79 100

108 70.2 61.4 92.0

77 65.0 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.38 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

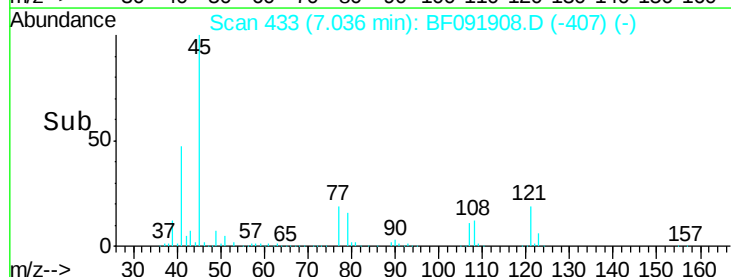
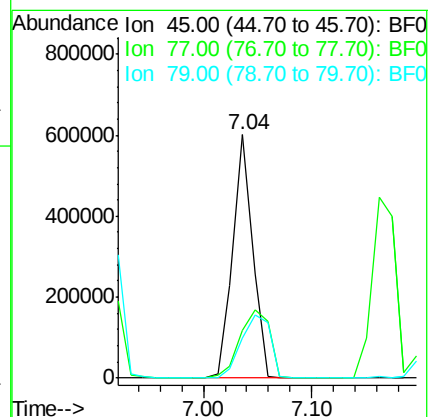
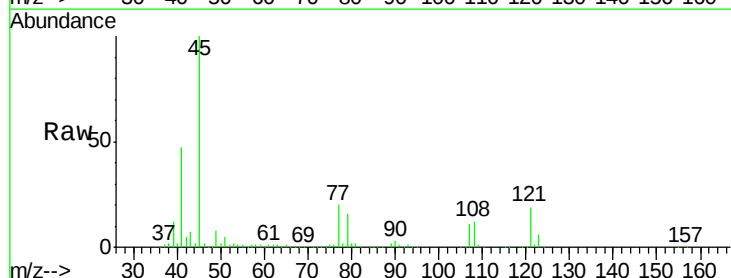
Tgt Ion: 45 Resp: 758174

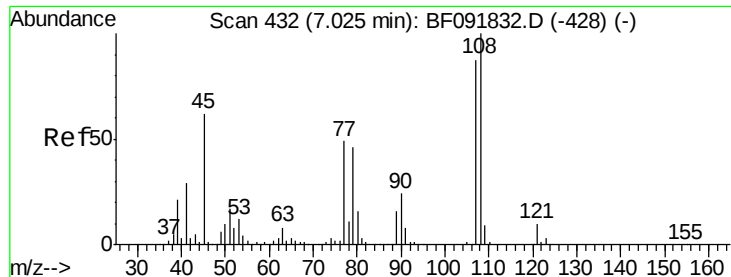
Ion Ratio Lower Upper

45 100

77 19.7 0.0 34.6

79 16.5 0.0 31.2

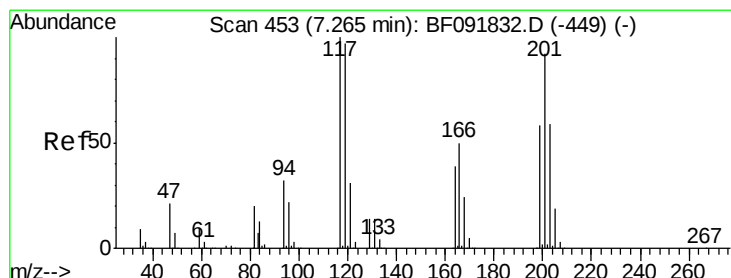
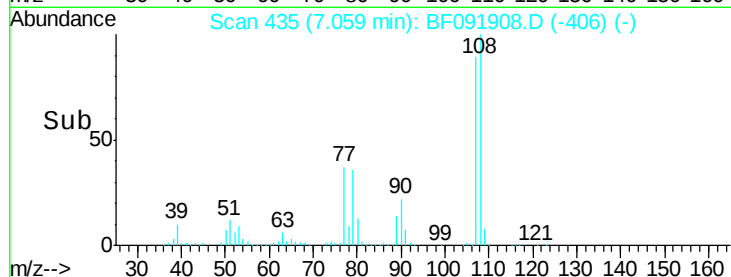
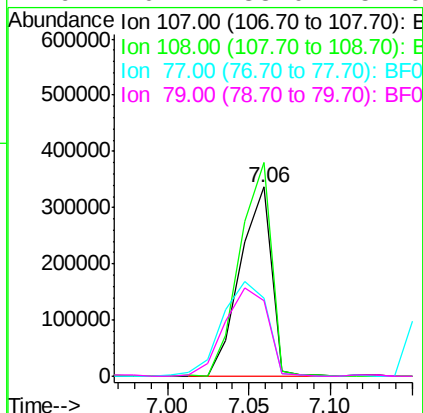
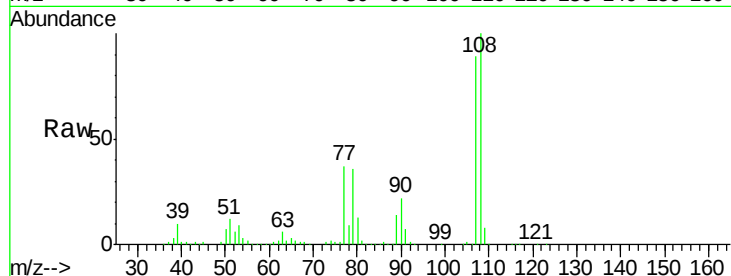




#17
2-Methylphenol
Concen: 44.02 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.03 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

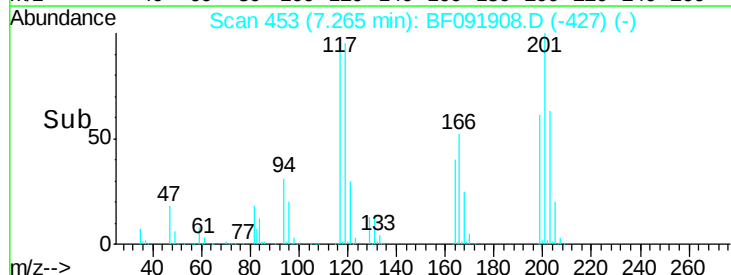
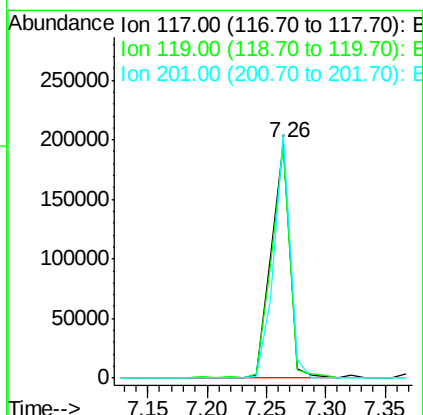
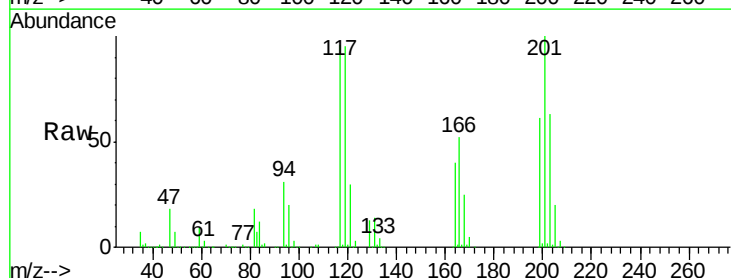
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

Tgt Ion:	107	Resp:	447557
Ion	Ratio	Lower	Upper
107	100		
108	112.9	93.0	139.6
77	41.5	39.8	59.8
79	40.2	38.0	57.0



#18
Hexachloroethane
Concen: 42.23 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:	117	Resp:	215038
Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.1	117.1
201	103.7	78.6	117.8

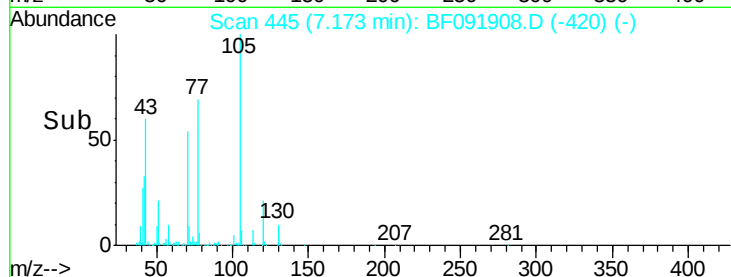
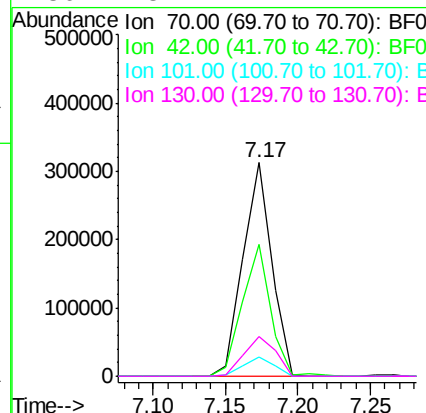
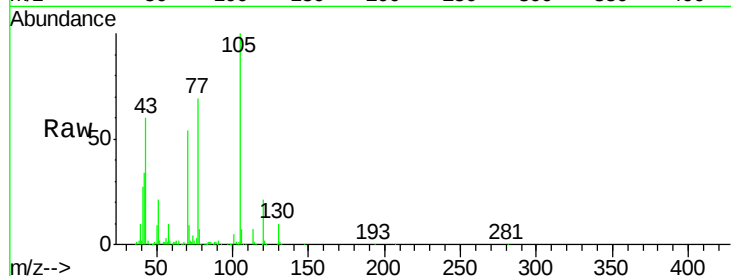




#19
n-Nitroso-di-n-propylamine
Concen: 47.76 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

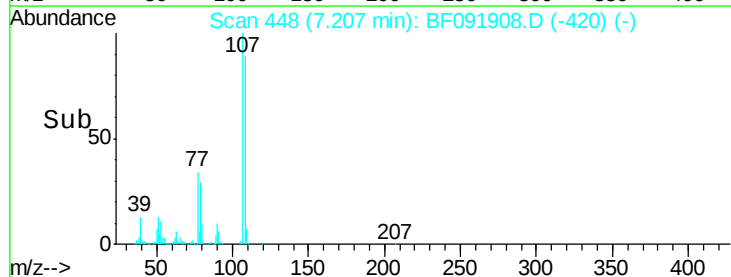
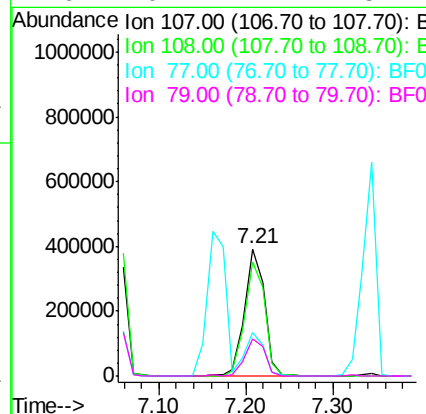
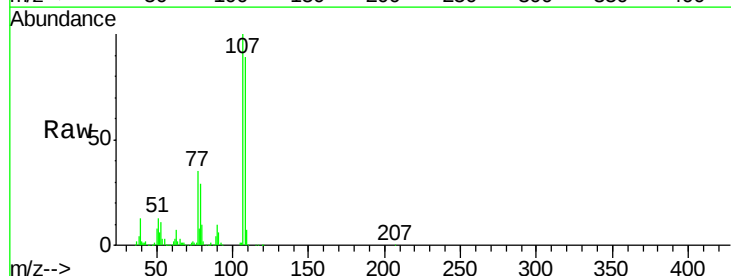
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

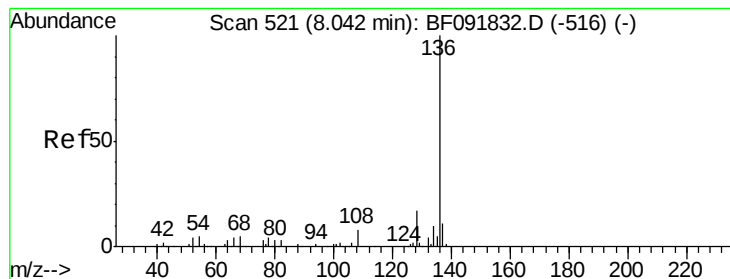
Tgt Ion:	70	Resp:	431091
Ion	Ratio	Lower	Upper
70	100		
42	62.0	49.4	74.0
101	9.1	7.4	11.2
130	18.7	14.2	21.4



#20
3+4-Methylphenols
Concen: 51.31 ng
RT: 7.21 min Scan# 448
Delta R.T. 0.02 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:	107	Resp:	622250
Ion	Ratio	Lower	Upper
107	100		
108	89.4	73.0	113.0
77	34.6	71.3	111.3#
79	29.1	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

Tgt Ion:136 Resp: 759331

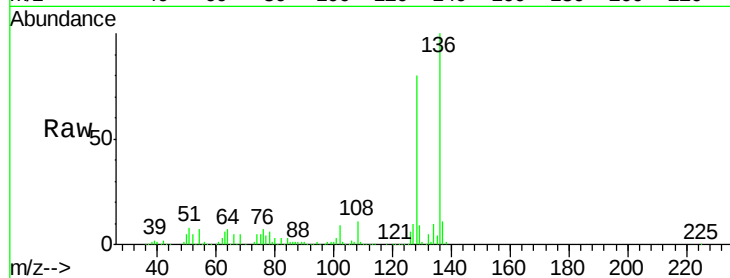
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.4 4.5 6.7#

68 5.4 3.6 5.4

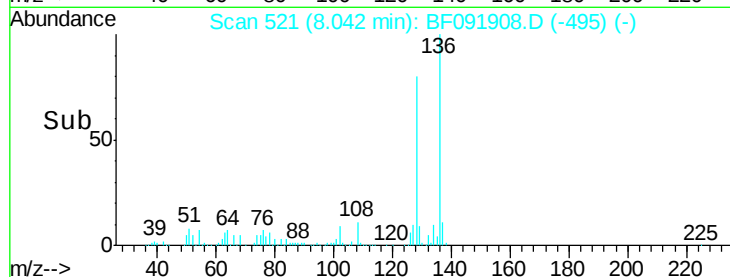


Abundance Ion 136.00 (135.70 to 136.70): E

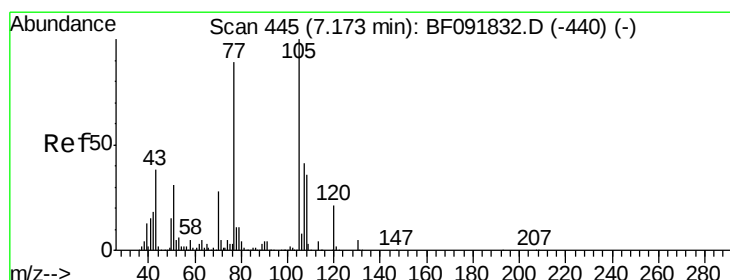
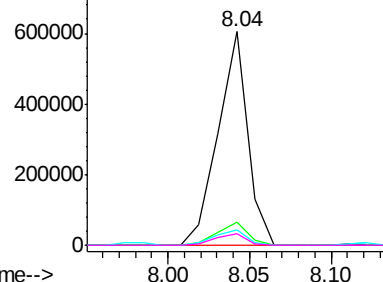
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 46.46 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Tgt Ion:105 Resp: 870086

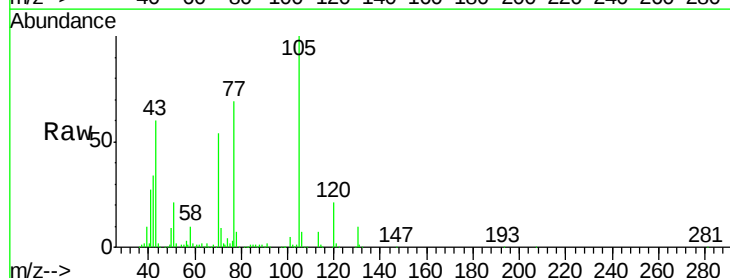
Ion Ratio Lower Upper

105 100

71 9.2 3.2 4.8#

51 21.1 26.2 39.4#

120 21.4 16.6 24.8

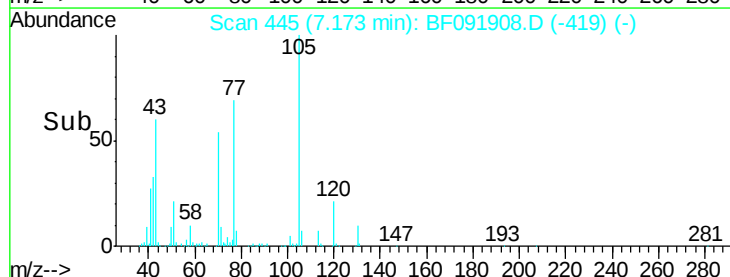


Abundance Ion 105.00 (104.70 to 105.70): E

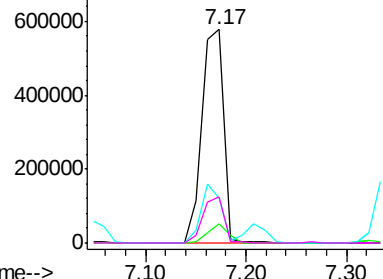
Ion 71.00 (70.70 to 71.70): BF0

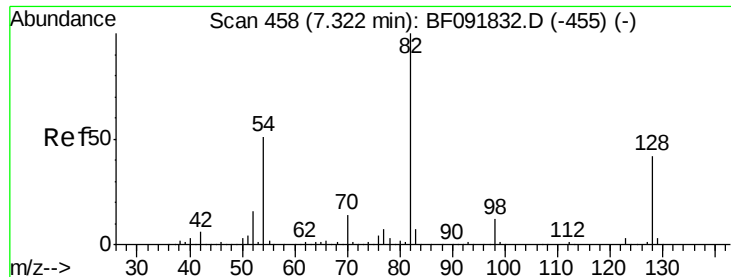
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

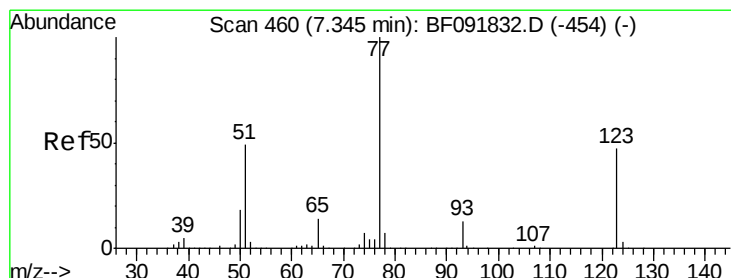
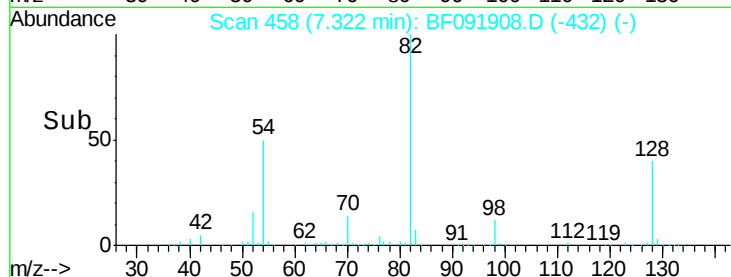
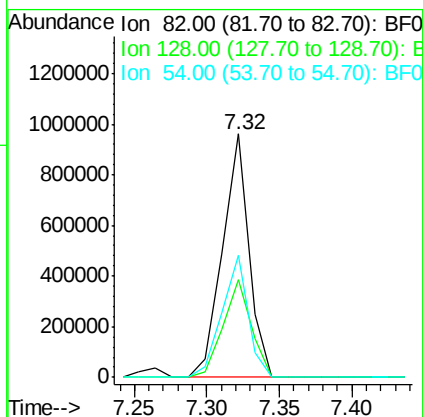
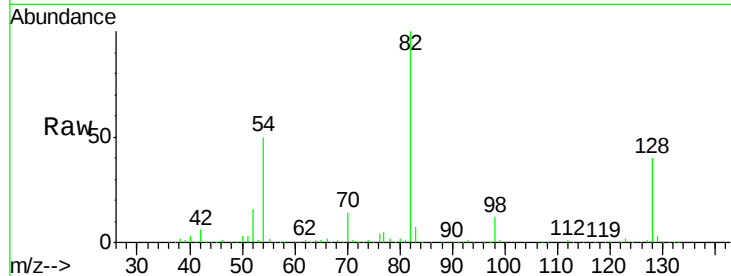




#23
 Nitrobenzene-d5
 Concen: 89.30 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

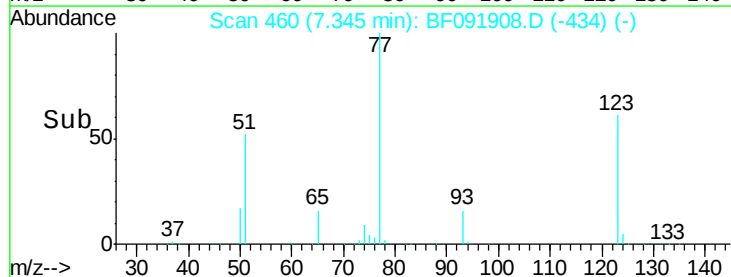
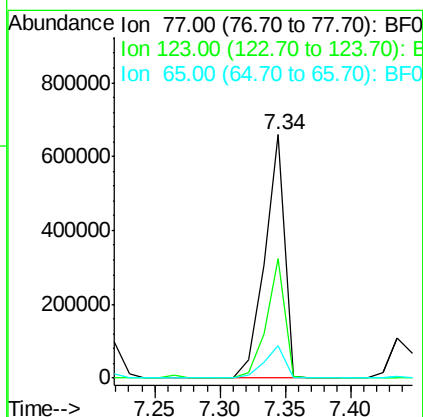
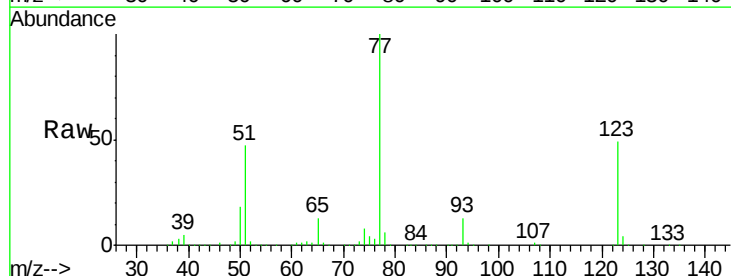
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Tgt Ion: 82 Resp: 1219415
 Ion Ratio Lower Upper
 82 100
 128 40.4 34.6 52.0
 54 50.3 39.5 59.3



#24
 Nitrobenzene
 Concen: 48.11 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion: 77 Resp: 699735
 Ion Ratio Lower Upper
 77 100
 123 48.9 33.0 49.4
 65 13.3 11.2 16.8





#25

Isophorone

Concen: 46.01 ng

RT: 7.58 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

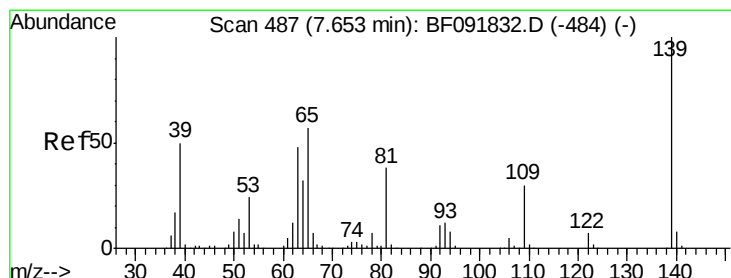
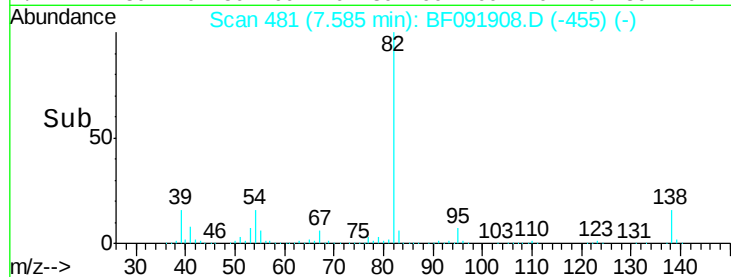
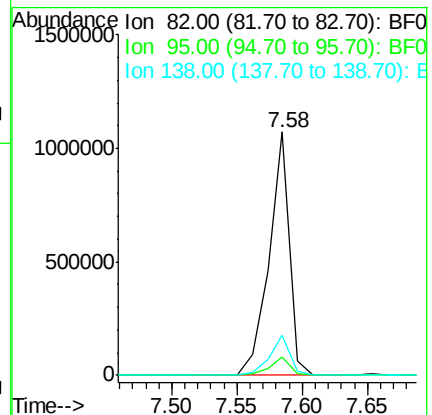
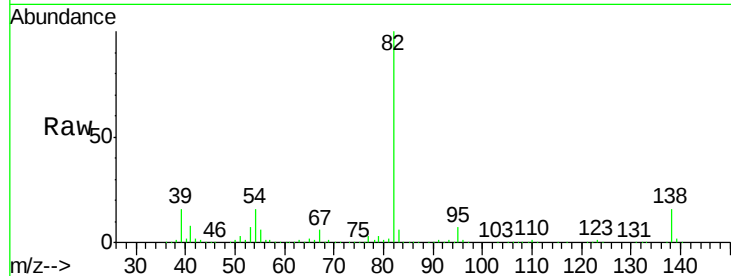
Tgt Ion: 82 Resp: 1159132

Ion Ratio Lower Upper

82 100

95 7.5 5.6 8.4

138 16.3 14.6 22.0



#26

2-Nitrophenol

Concen: 34.69 ng

RT: 7.65 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

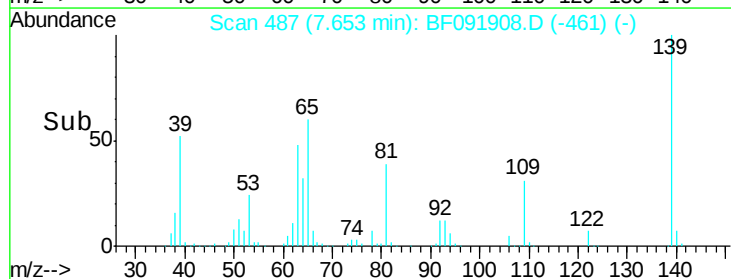
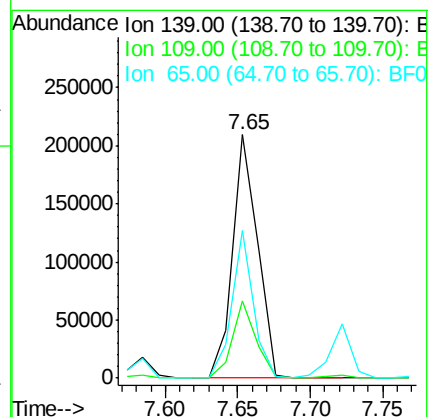
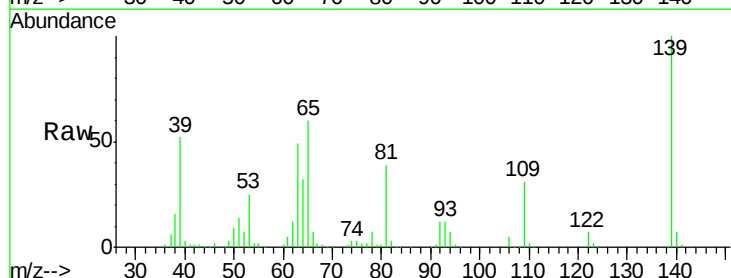
Tgt Ion: 139 Resp: 248814

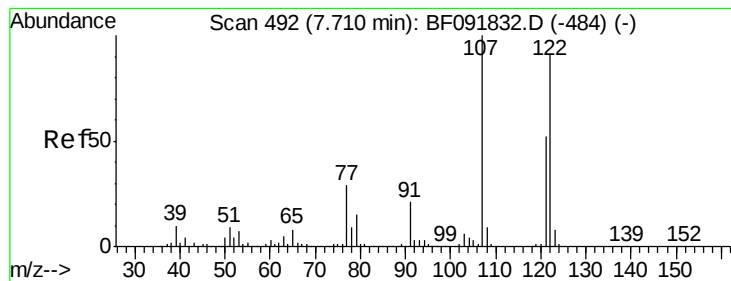
Ion Ratio Lower Upper

139 100

109 31.5 23.3 34.9

65 60.4 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 38.39 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

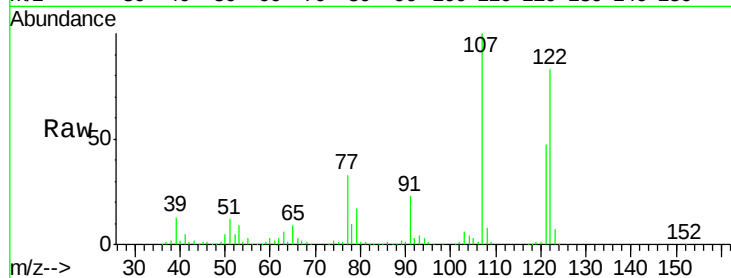
Tgt Ion: 122 Resp: 456734

Ion Ratio Lower Upper

122 100

107 120.6 94.1 141.1

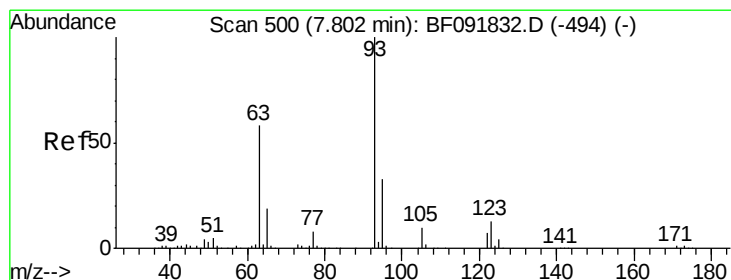
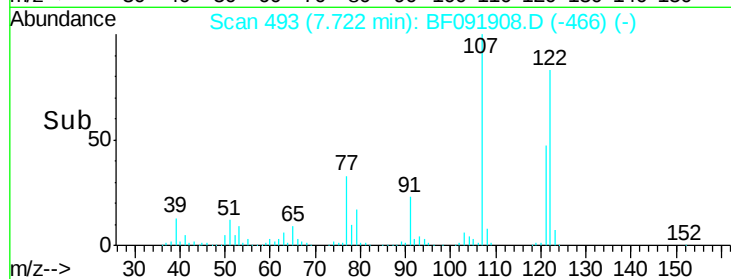
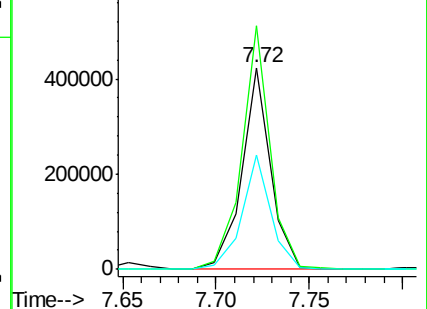
121 56.9 46.0 69.0



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: 50.18 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

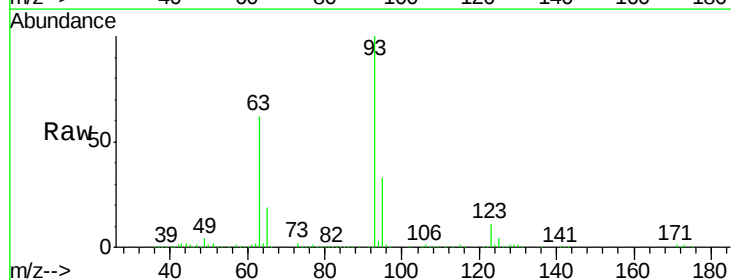
Tgt Ion: 93 Resp: 766667

Ion Ratio Lower Upper

93 100

95 33.1 26.5 39.7

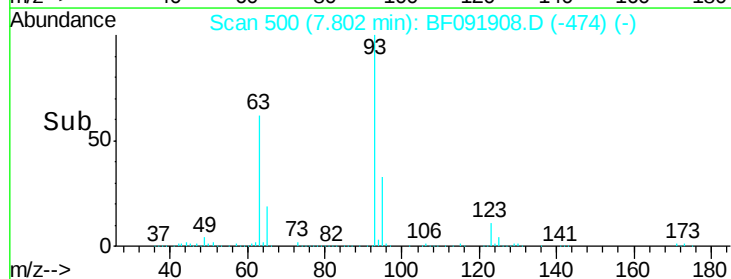
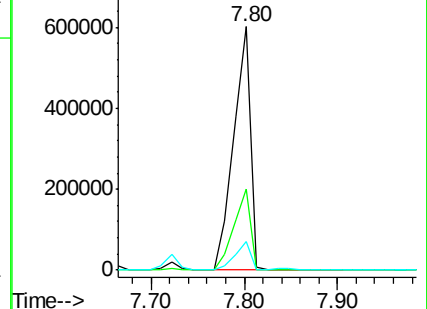
123 11.5 8.6 13.0

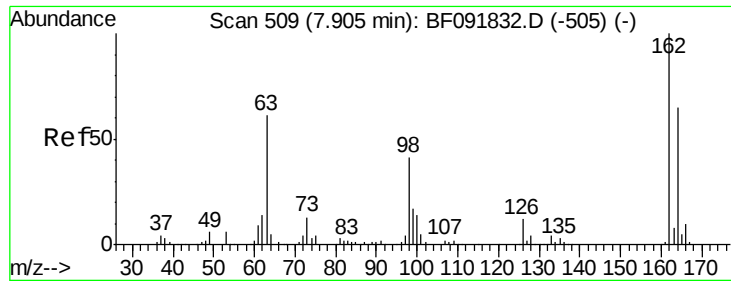


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

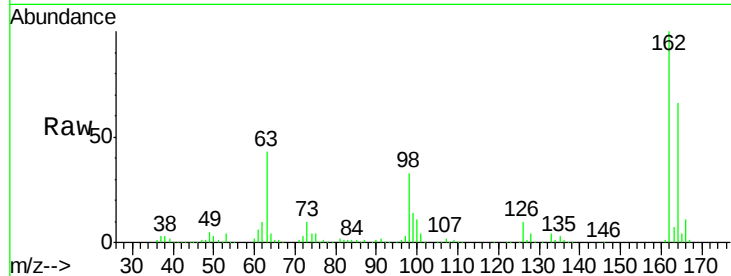




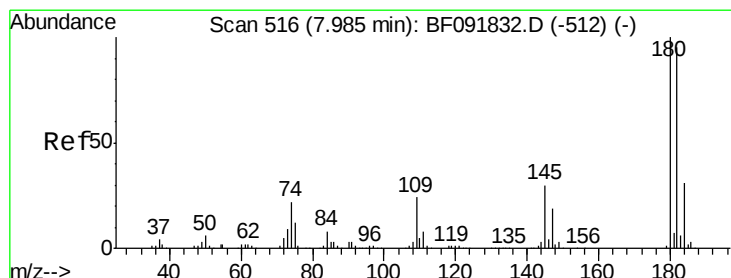
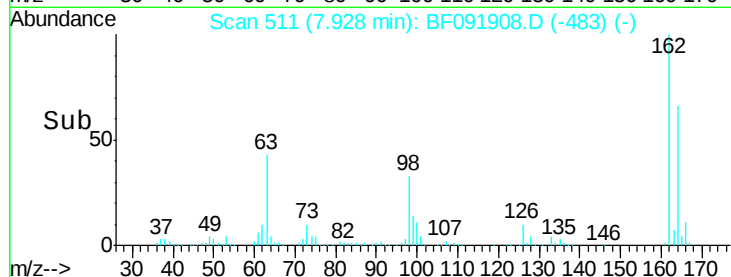
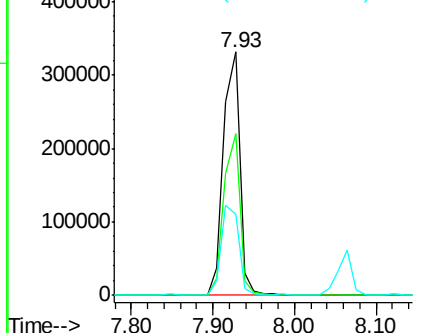
#29
2,4-Dichlorophenol
Concen: 45.99 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.02 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Instrument :
BNA_F
ClientSampleId :
WC-201612MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.2	46.8	86.8
98	33.2	9.1	49.1

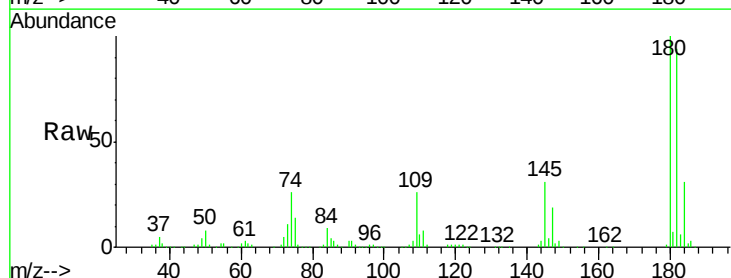


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

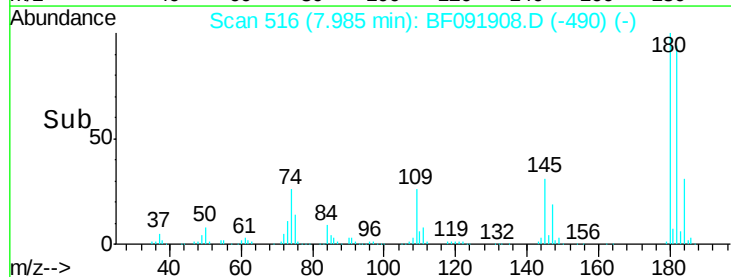
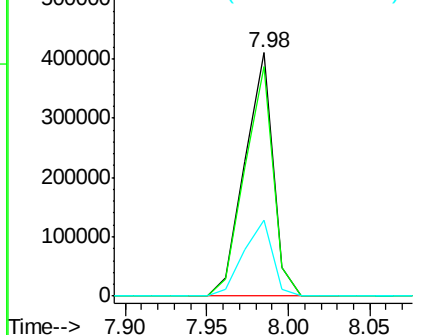


#30
1,2,4-Trichlorobenzene
Concen: 44.62 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.2	117.4
145	31.0	21.6	32.4



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





#31

Naphthalene

Concen: 135.54 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

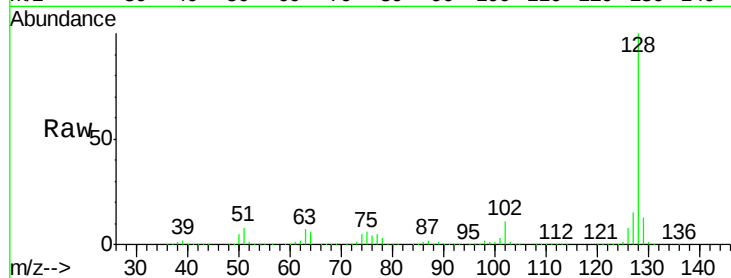
Tgt Ion:128 Resp: 4710347

Ion Ratio Lower Upper

128 100

129 12.5 9.5 14.3

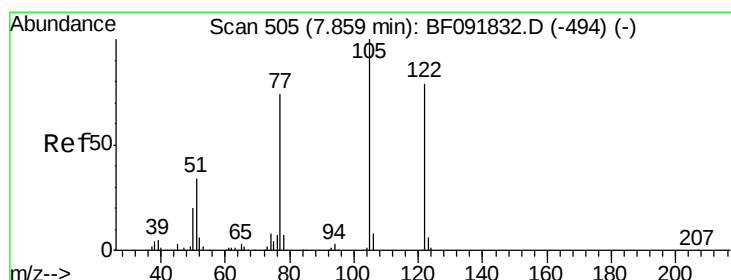
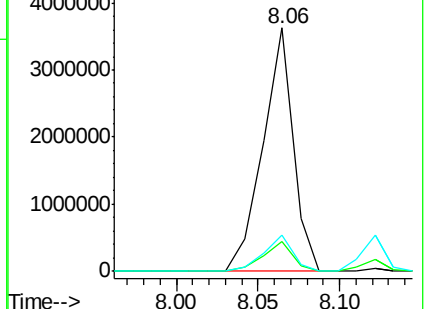
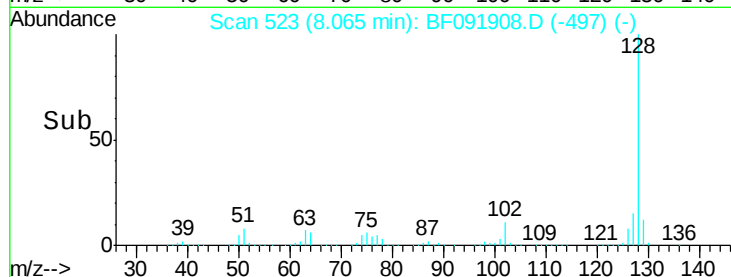
127 14.7 10.8 16.2



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: 8.33 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

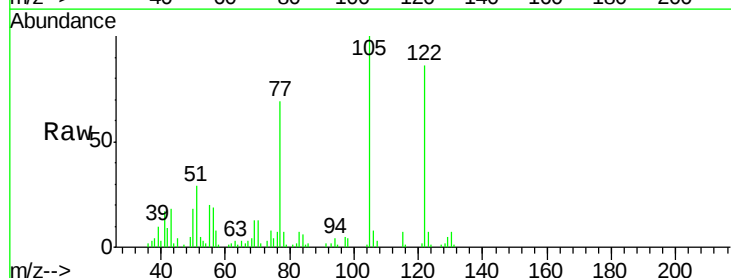
Tgt Ion:122 Resp: 73489

Ion Ratio Lower Upper

122 100

105 116.5 107.2 147.2

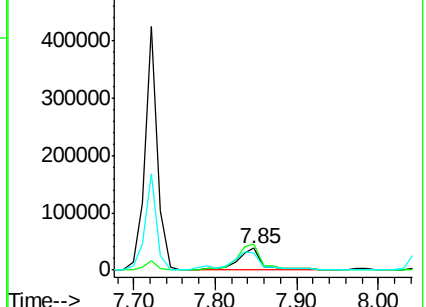
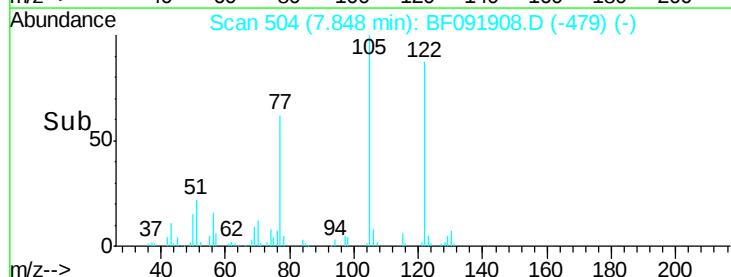
77 80.8 74.5 114.5

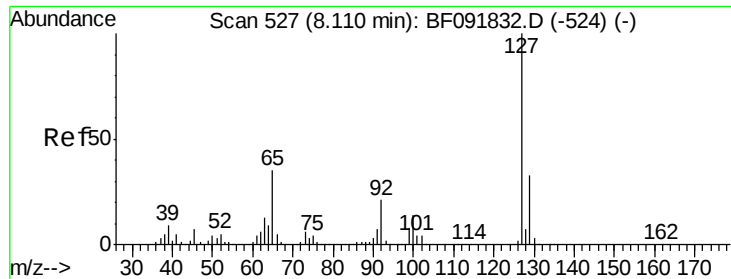


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

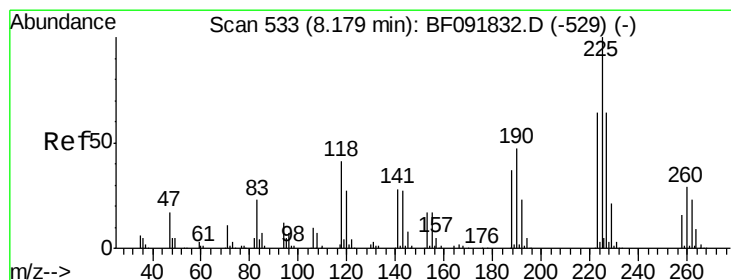
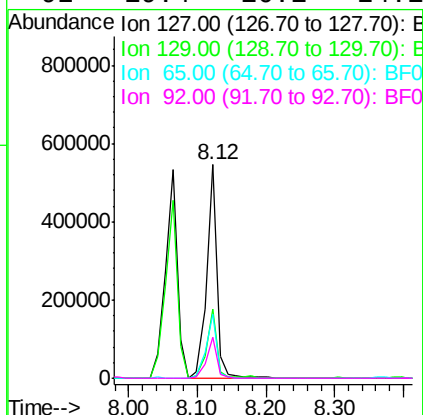
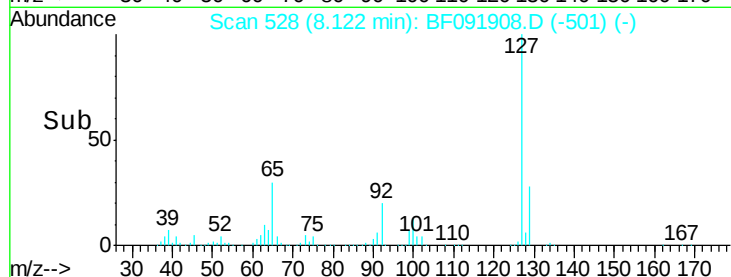
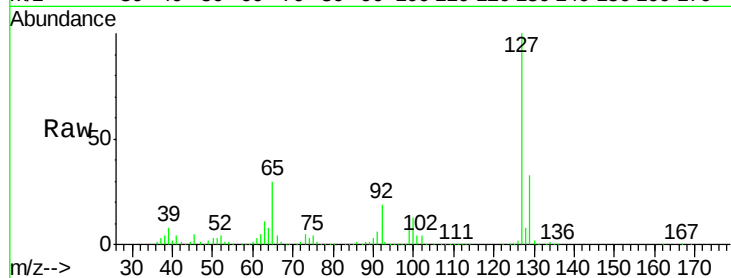




#33
4-Chloroaniline
Concen: 36.17 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

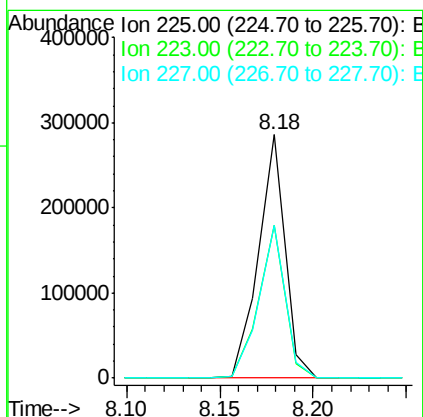
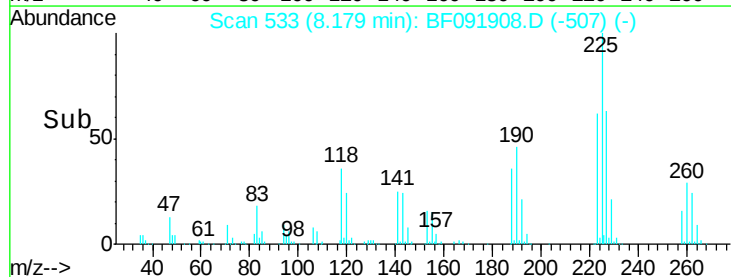
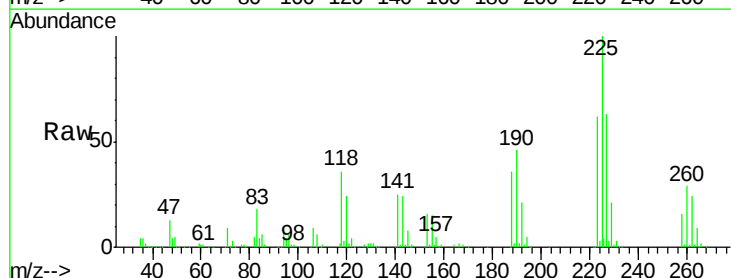
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

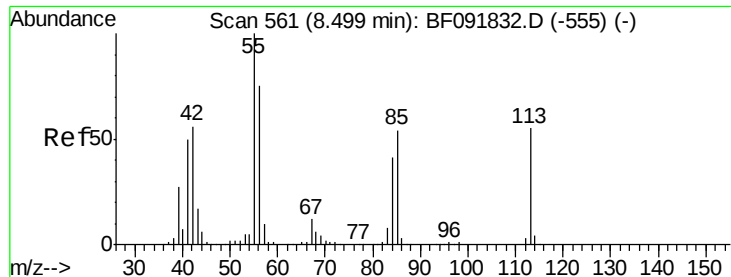
Tgt Ion:	127	Resp:	566839
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	30.0	25.8	38.8
92	19.4	16.1	24.1



#34
Hexachlorobutadiene
Concen: 48.20 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:	225	Resp:	280875
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	62.6	50.6	76.0

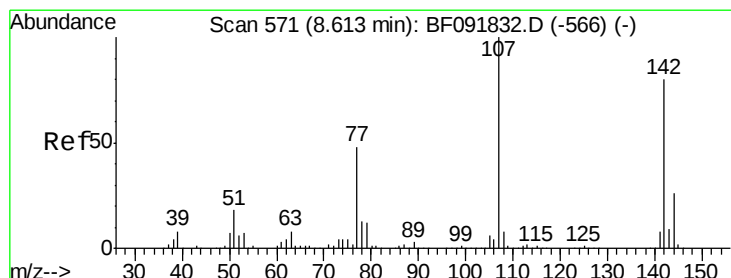
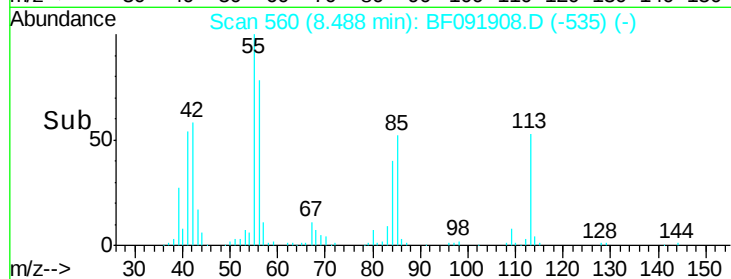
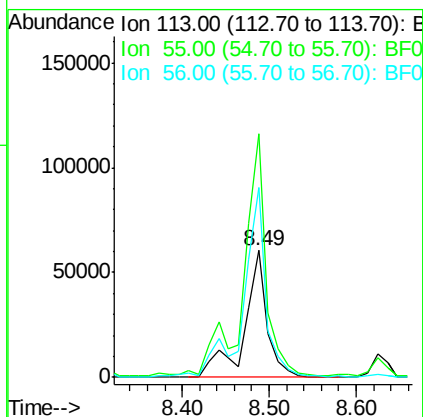
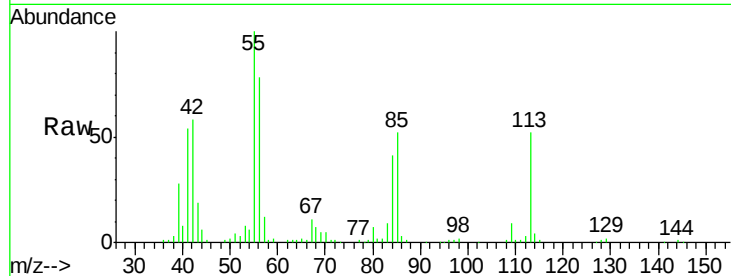




#35
 Caprolactam
 Concen: 33.60 ng
 RT: 8.49 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

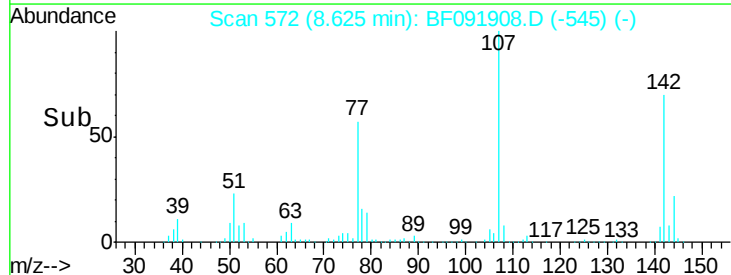
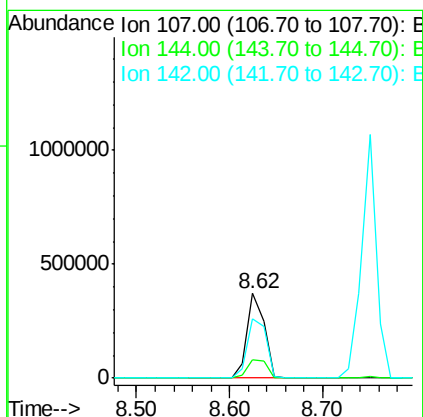
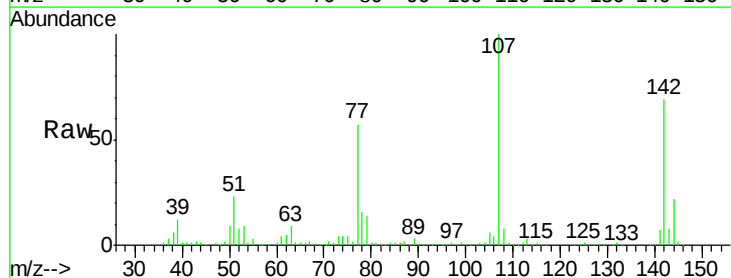
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

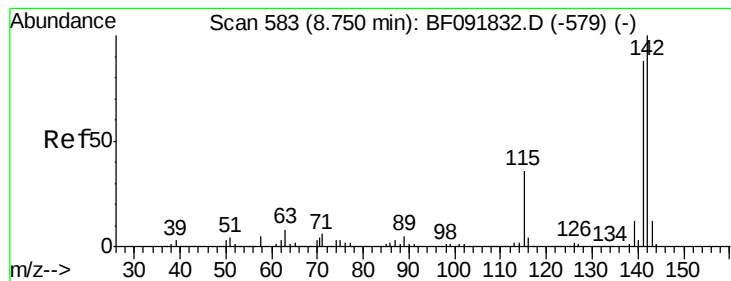
Tgt Ion:113 Resp: 111220
 Ion Ratio Lower Upper
 113 100
 55 192.3 119.2 159.2#
 56 149.5 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 41.62 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:107 Resp: 482453
 Ion Ratio Lower Upper
 107 100
 144 22.2 19.3 28.9
 142 69.5 59.0 88.6





#37

2-Methylnaphthalene

Concen: 69.49 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

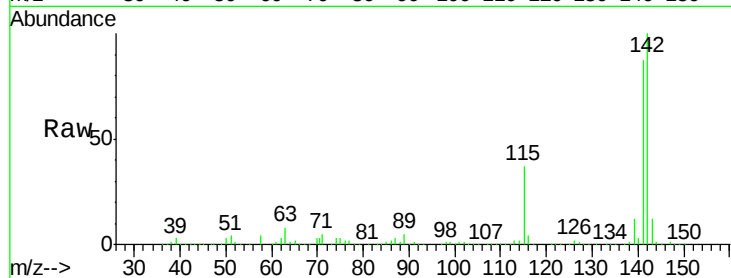
Tgt Ion:142 Resp: 1178807

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6

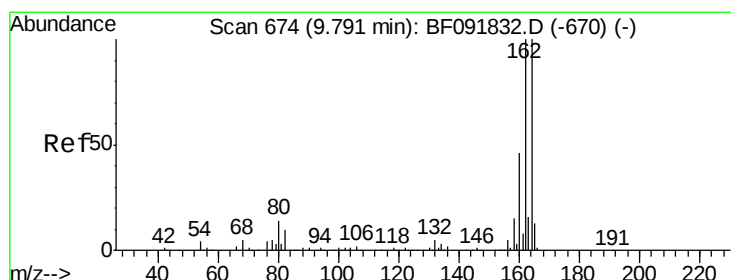
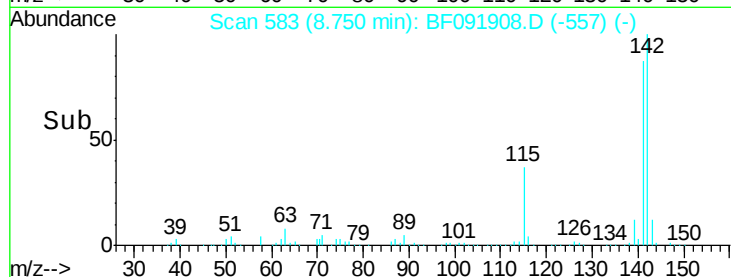
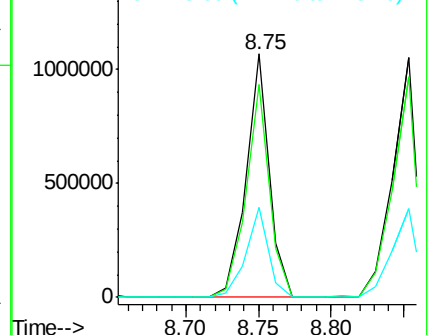
115 37.1 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

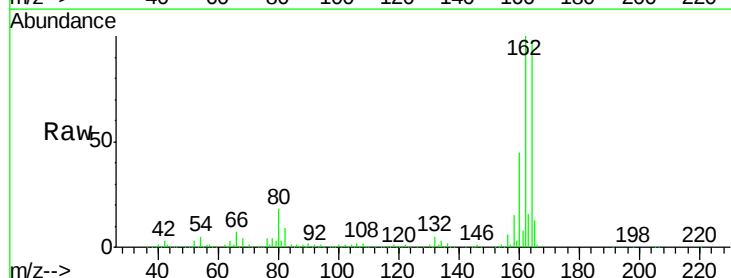
Tgt Ion:164 Resp: 399590

Ion Ratio Lower Upper

164 100

162 101.8 80.2 120.2

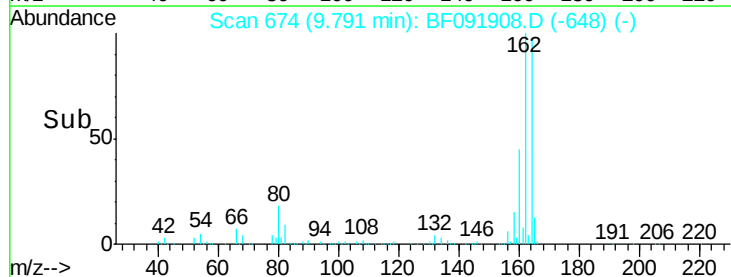
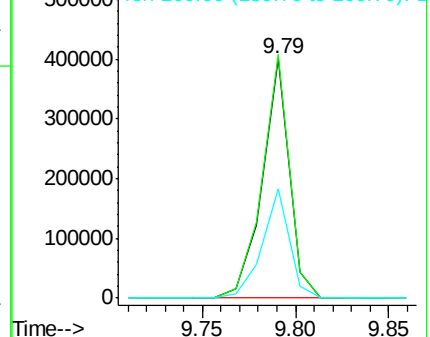
160 45.5 36.9 55.3

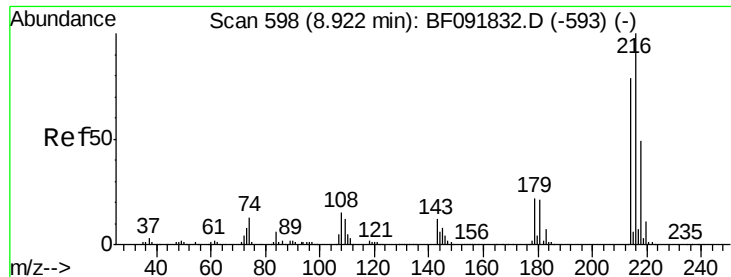


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

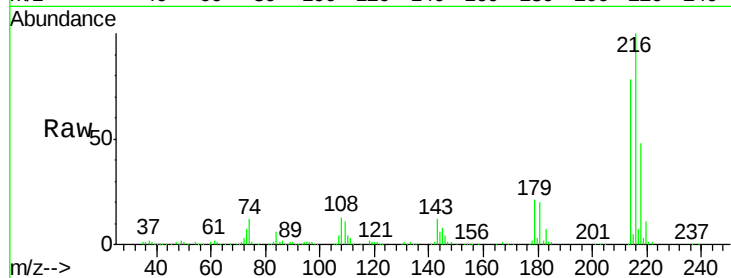




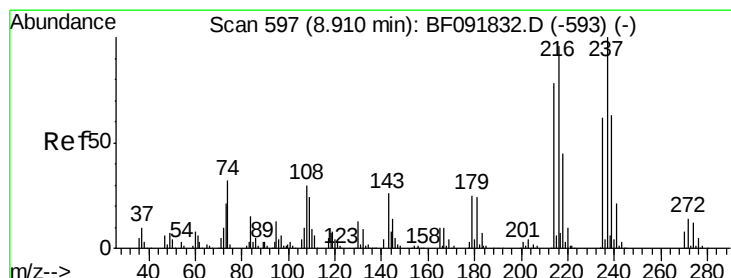
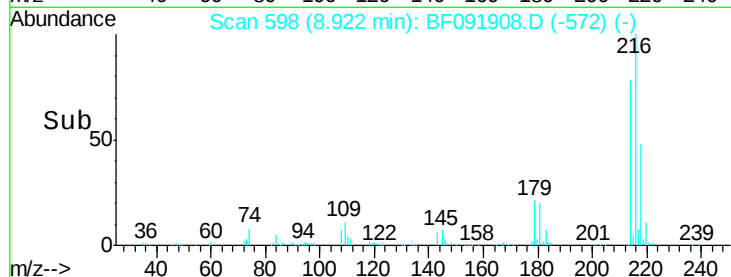
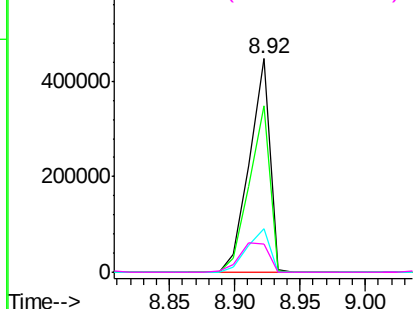
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.47 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Tgt Ion:	216	Resp:	489379
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.0
179	22.4	17.4	26.2
108	19.8	15.6	23.4

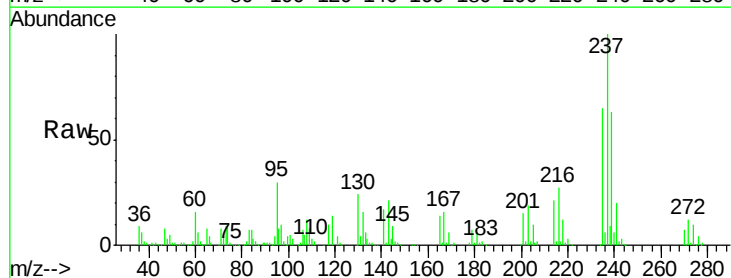


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

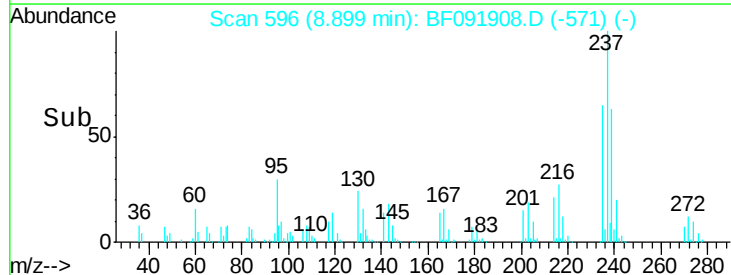
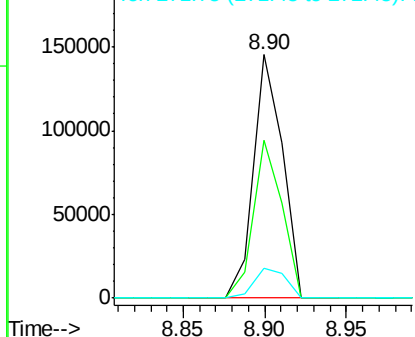


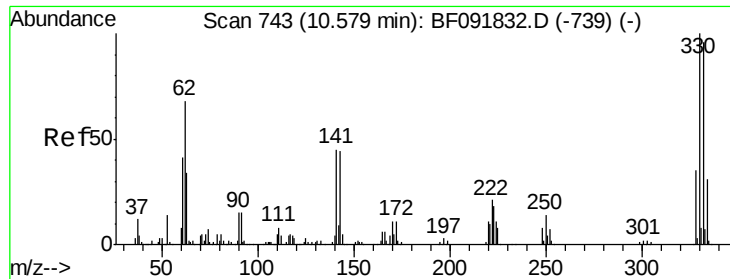
#40
 Hexachlorocyclopentadiene
 Concen: 41.99 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:	237	Resp:	179870
Ion	Ratio	Lower	Upper
237	100		
235	64.6	41.2	81.2
272	12.3	0.0	35.4



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

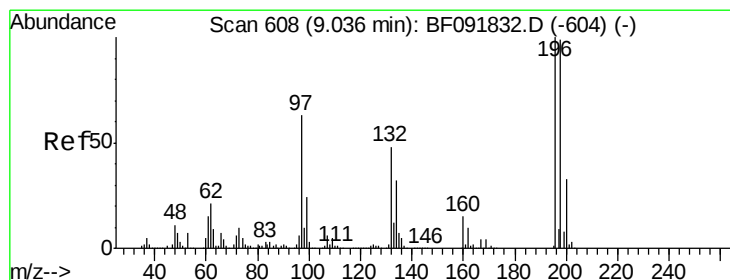
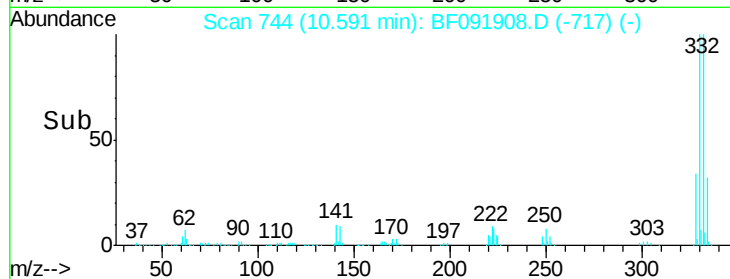
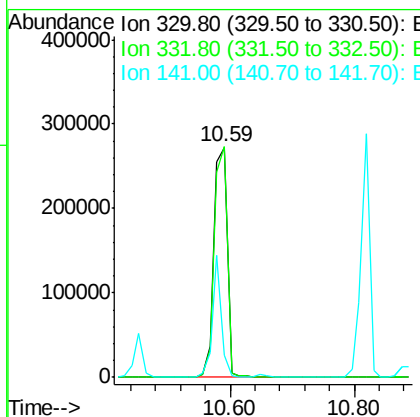
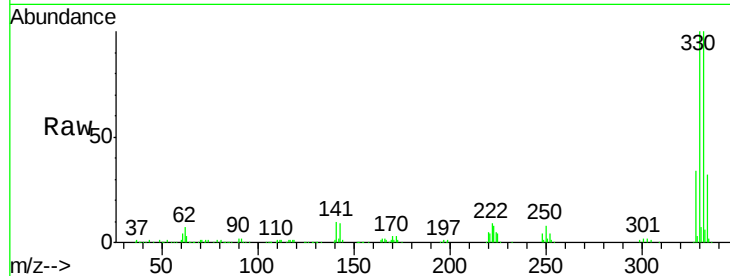




#41
 2,4,6-Tribromophenol
 Concen: 120.86 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

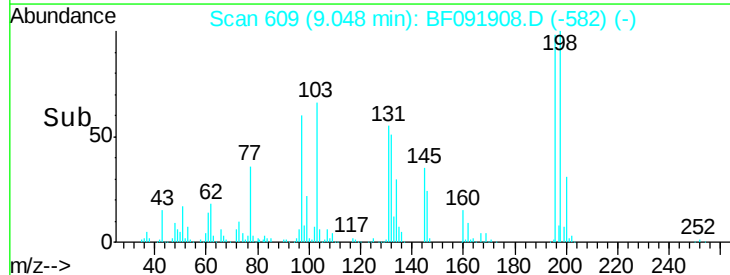
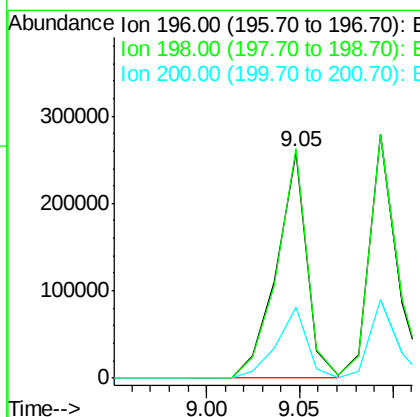
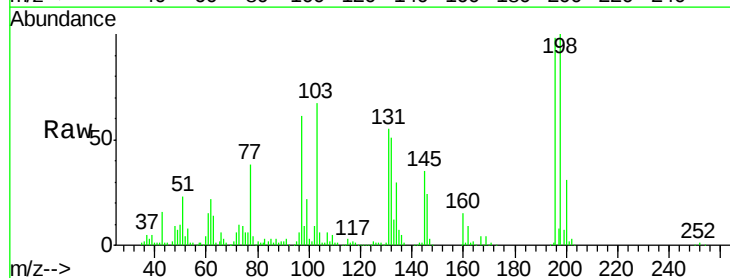
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

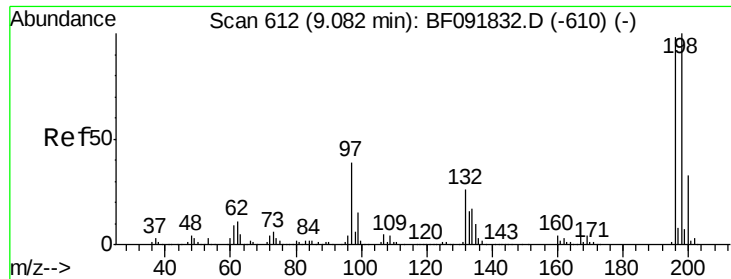
Tgt Ion:330 Resp: 399670
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 35.5 34.1 51.1



#42
 2,4,6-Trichlorophenol
 Concen: 41.63 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:196 Resp: 293908
 Ion Ratio Lower Upper
 196 100
 198 101.7 82.1 123.1
 200 31.4 27.0 40.4

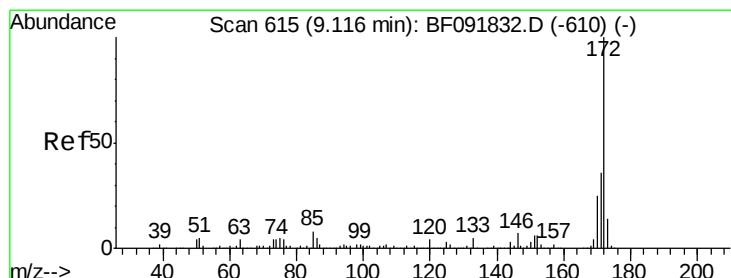
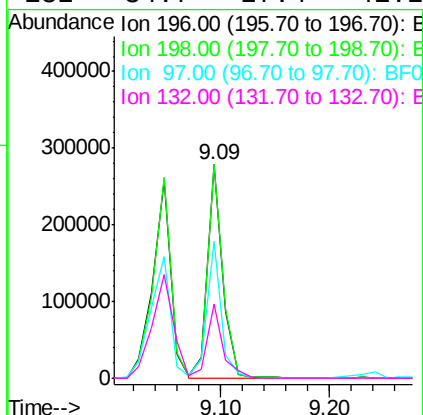
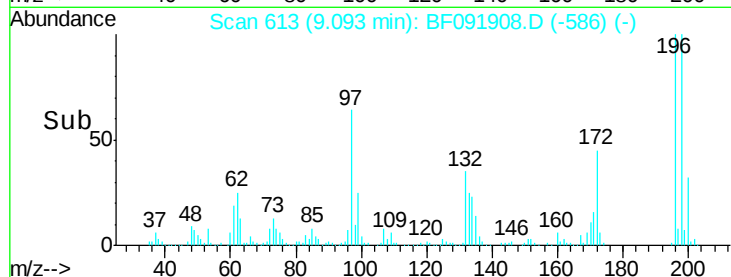
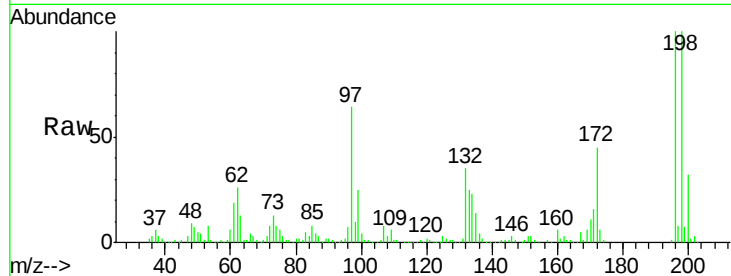




#43
 2,4,5-Trichlorophenol
 Concen: 37.76 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

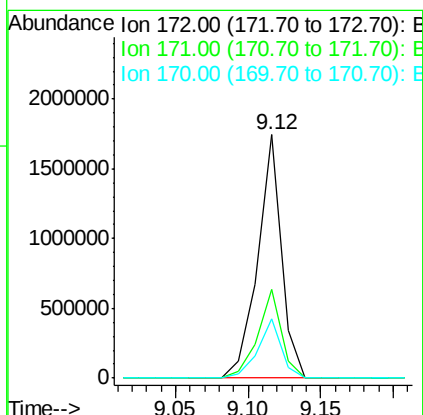
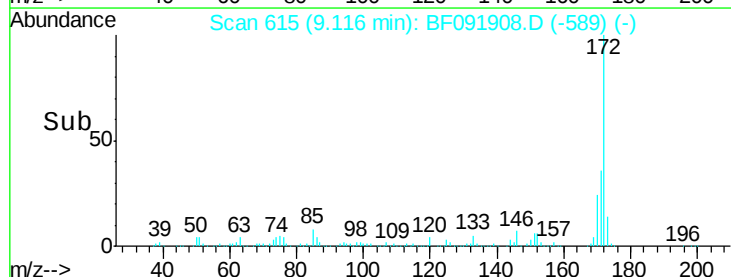
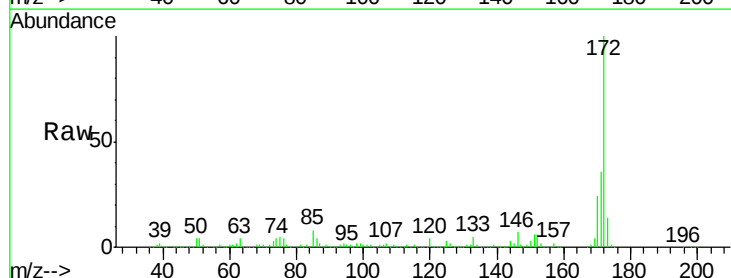
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

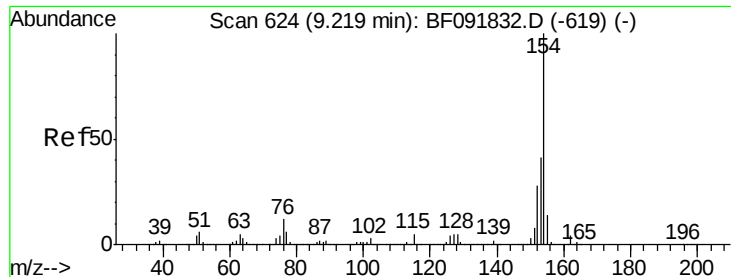
Tgt Ion:196 Resp: 274364
 Ion Ratio Lower Upper
 196 100
 198 100.0 79.4 119.2
 97 64.0 51.5 77.3
 132 34.7 27.4 41.2



#44
 2-Fluorobiphenyl
 Concen: 104.51 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:172 Resp: 1980444
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.4 20.2 30.4

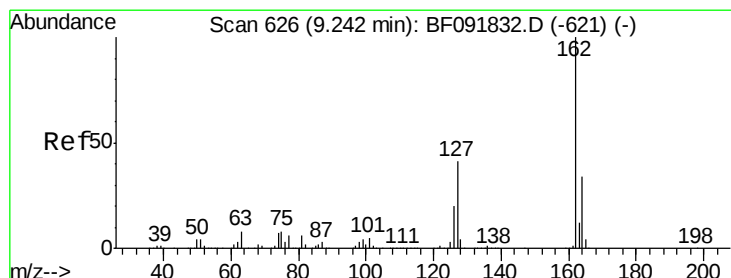
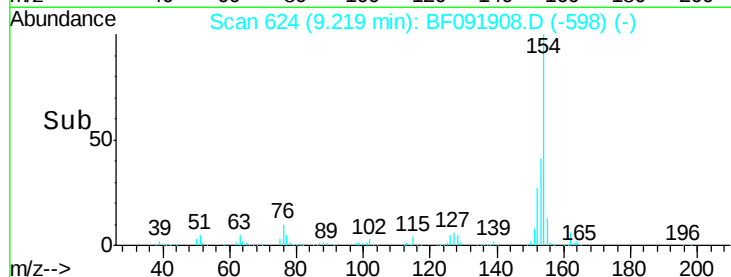
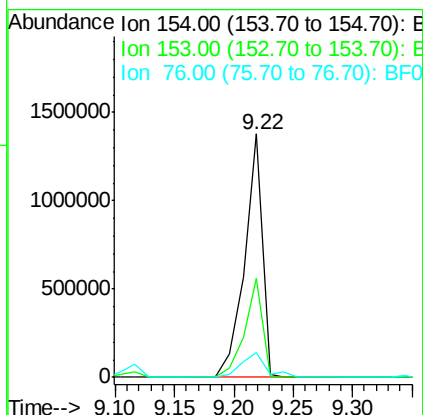
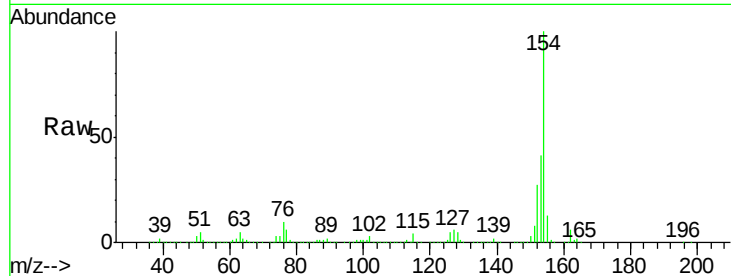




#45
 1,1'-Biphenyl
 Concen: 52.68 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

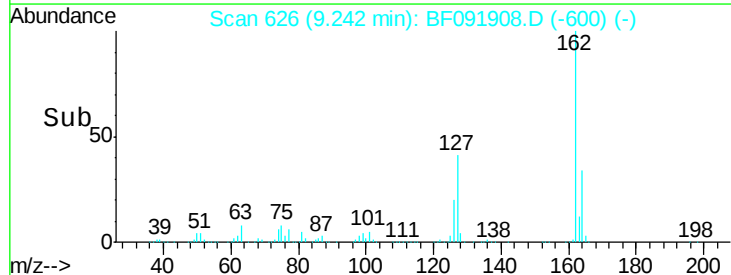
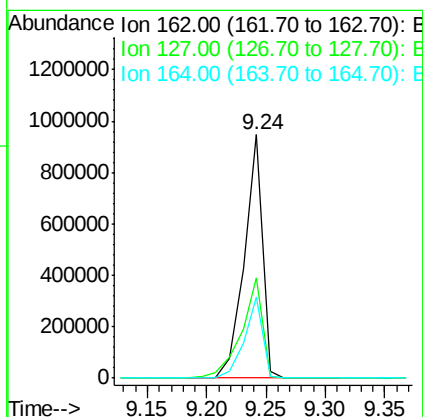
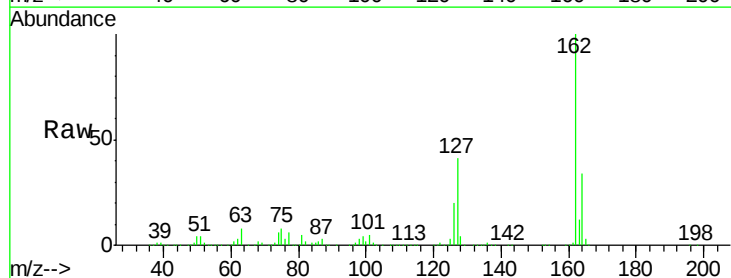
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Tgt Ion:154 Resp: 1441381
 Ion Ratio Lower Upper
 154 100
 153 40.5 20.9 60.9
 76 10.2 0.0 30.5



#46
 2-Chloronaphthalene
 Concen: 46.71 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:162 Resp: 1012083
 Ion Ratio Lower Upper
 162 100
 127 41.4 30.7 46.1
 164 33.5 27.6 41.4

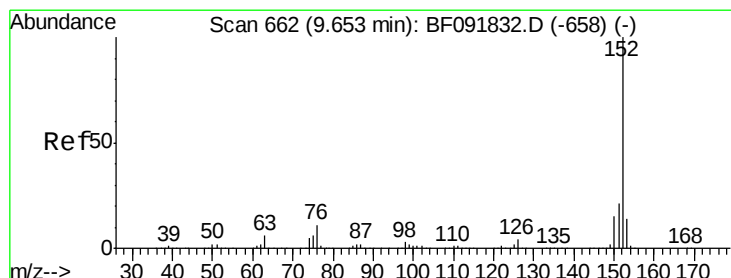
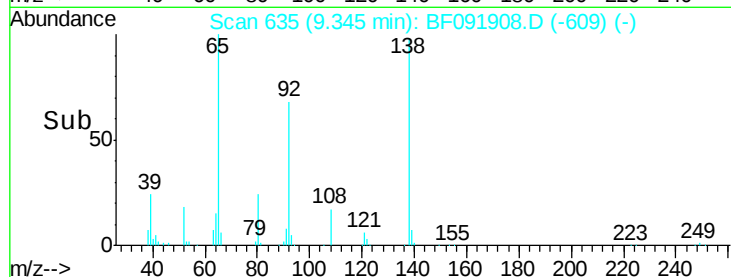
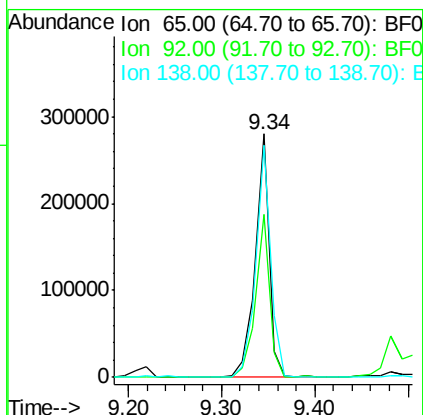
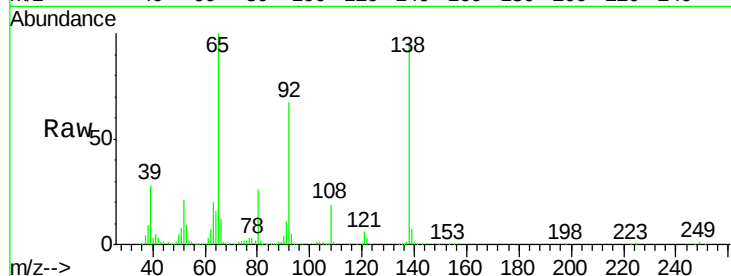




#47
2-Nitroaniline
Concen: 38.02 ng
RT: 9.34 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

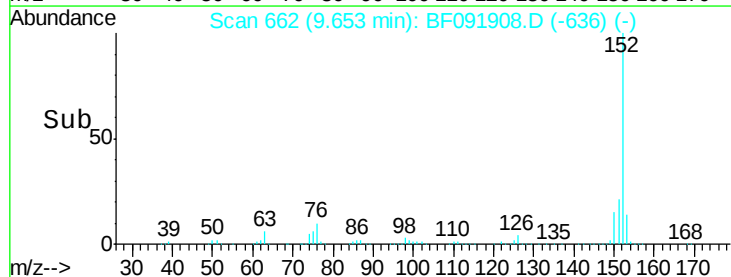
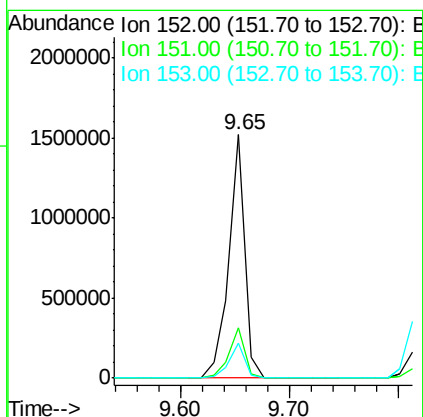
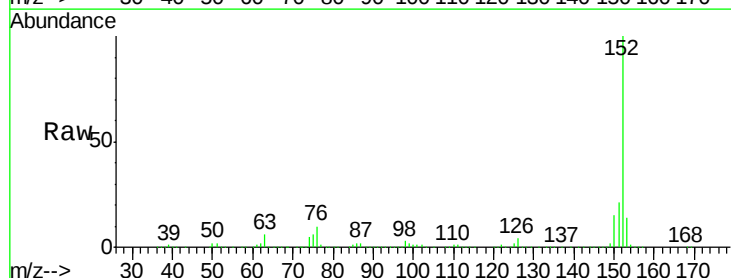
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

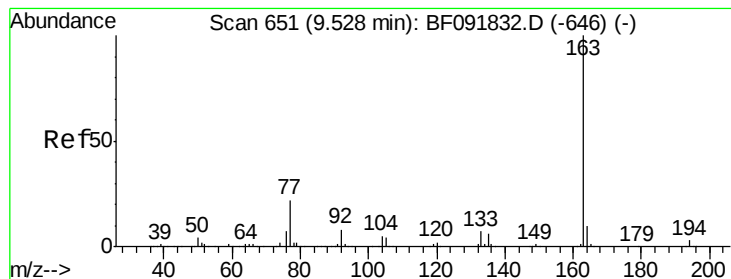
Tgt Ion: 65 Resp: 293324
Ion Ratio Lower Upper
65 100
92 66.8 53.9 80.9
138 95.4 76.8 115.2



#48
Acenaphthylene
Concen: 46.18 ng
RT: 9.65 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion: 152 Resp: 1538801
Ion Ratio Lower Upper
152 100
151 20.6 16.9 25.3
153 14.3 11.4 17.2





#49

Dimethylphthalate

Concen: 50.18 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

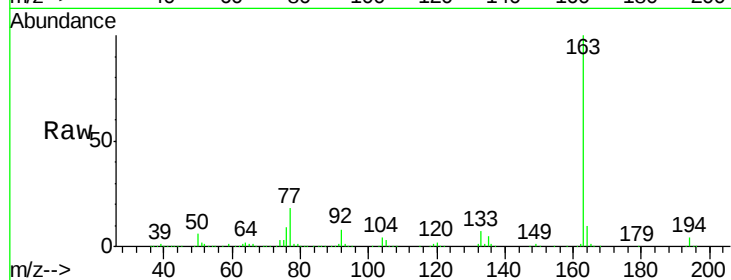
Tgt Ion:163 Resp: 1282567

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

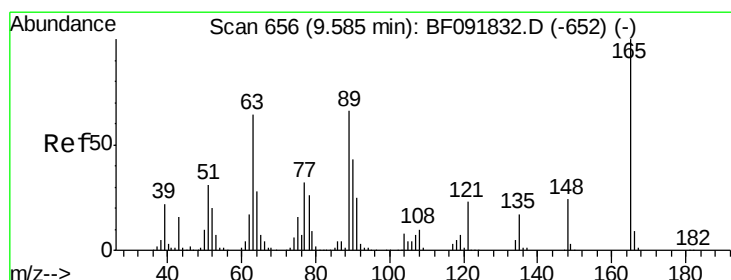
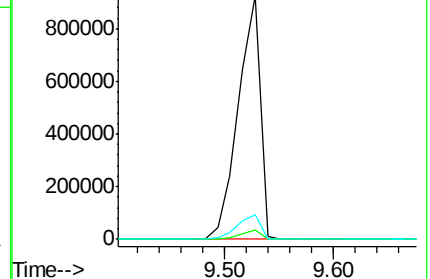
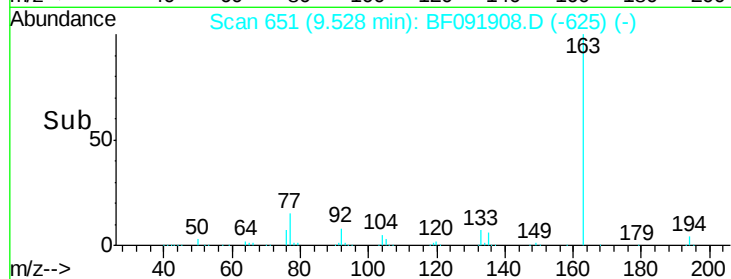
164 10.2 8.0 12.0



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: 42.85 ng

RT: 9.58 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

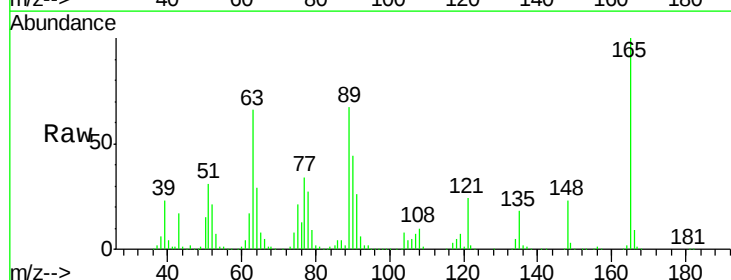
Tgt Ion:165 Resp: 239686

Ion Ratio Lower Upper

165 100

63 66.4 36.2 54.4#

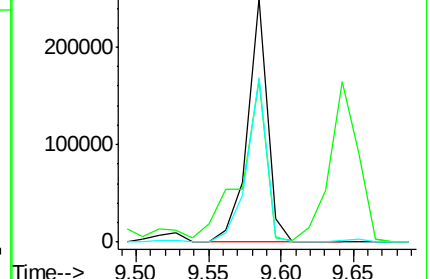
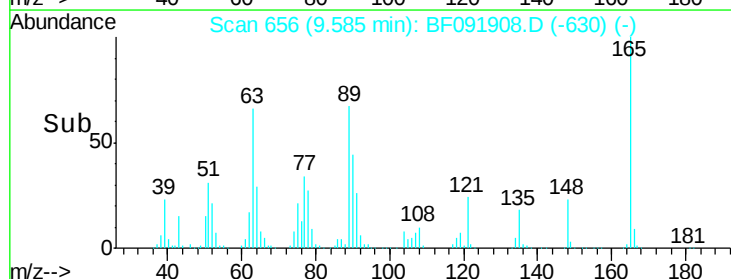
89 67.3 40.2 60.4#

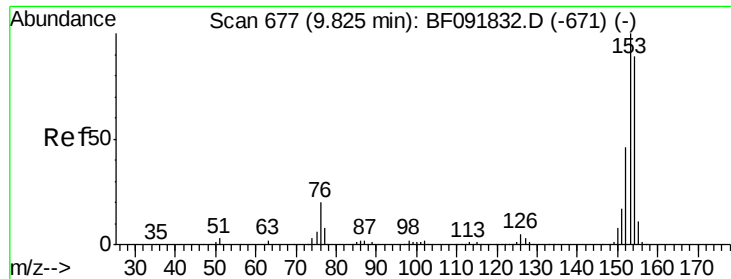


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.38 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

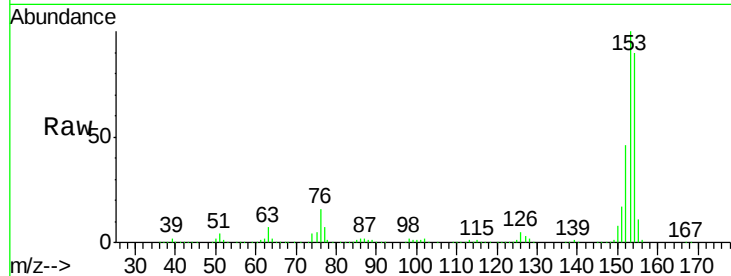
Tgt Ion:154 Resp: 1002673

Ion Ratio Lower Upper

154 100

153 111.7 88.6 133.0

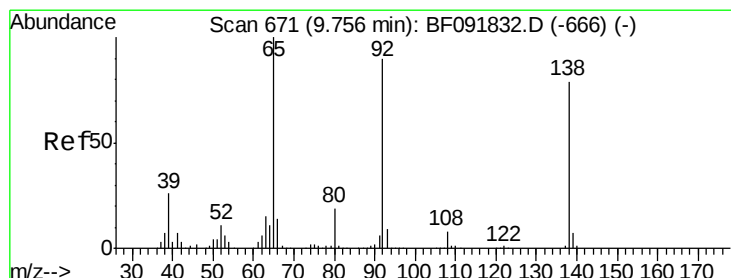
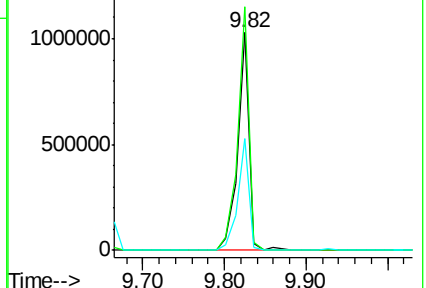
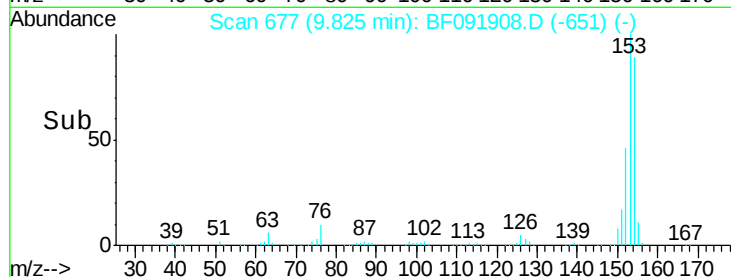
152 51.4 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 34.94 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

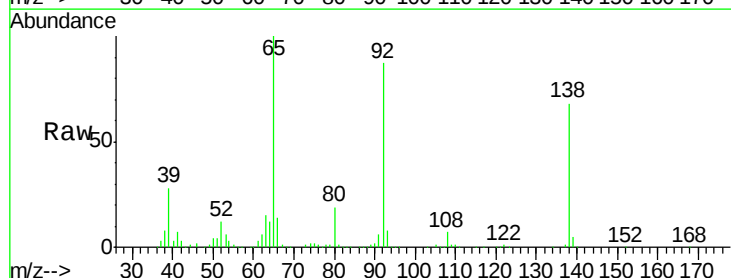
Tgt Ion:138 Resp: 241903

Ion Ratio Lower Upper

138 100

108 10.7 8.5 12.7

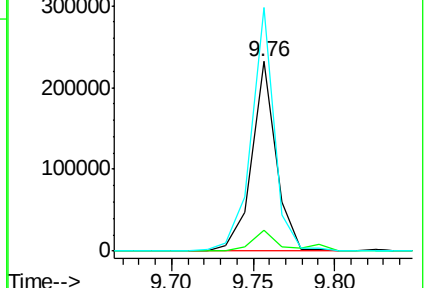
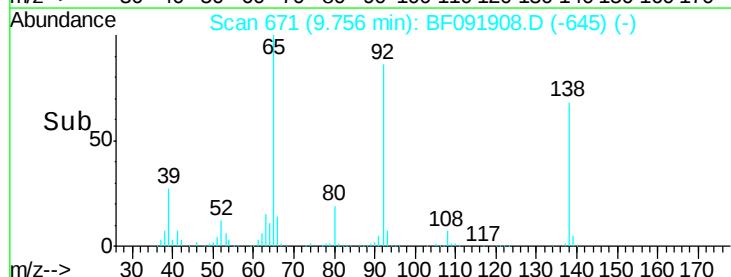
92 128.4 97.8 146.8

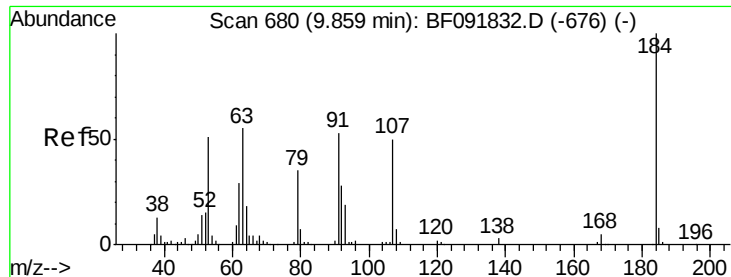


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

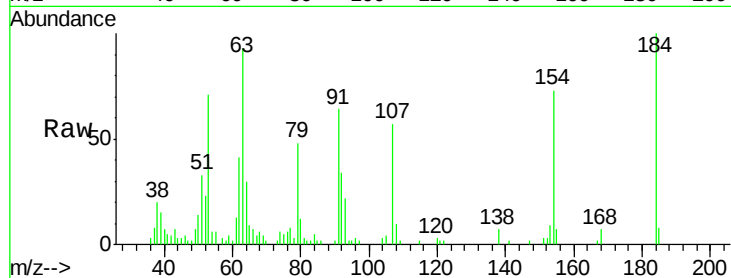




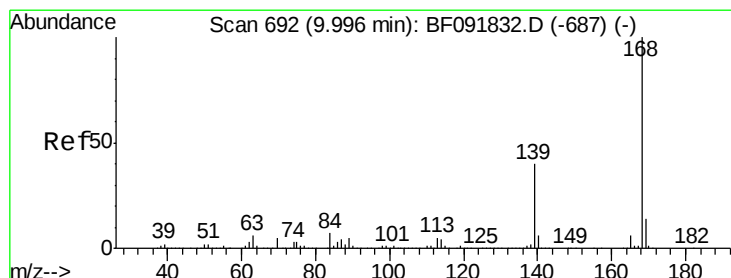
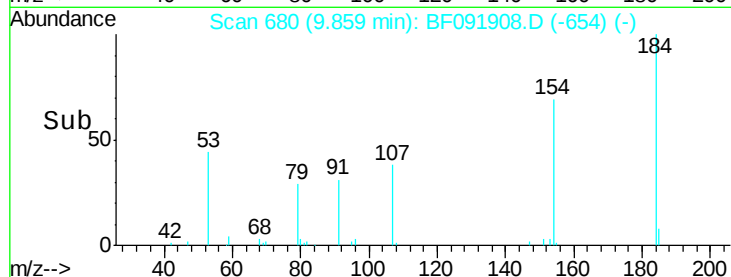
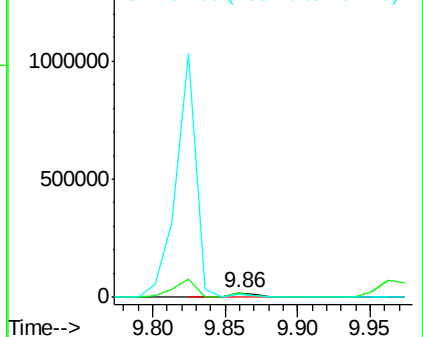
#53
2,4-Dinitrophenol
Concen: 8.74 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Instrument :
BNA_F
ClientSampleId :
WC-201612MS

Tgt Ion:184 Resp: 27192
Ion Ratio Lower Upper
184 100
63 93.3 28.4 42.6#
154 72.9 44.3 66.5#

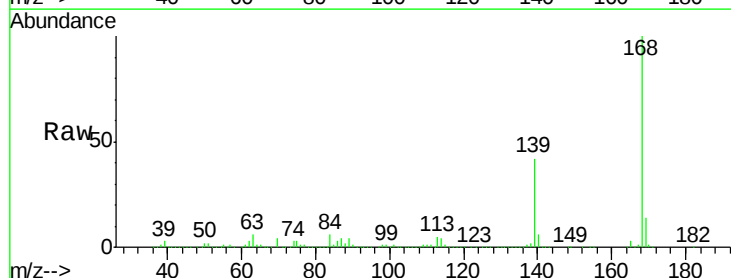


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

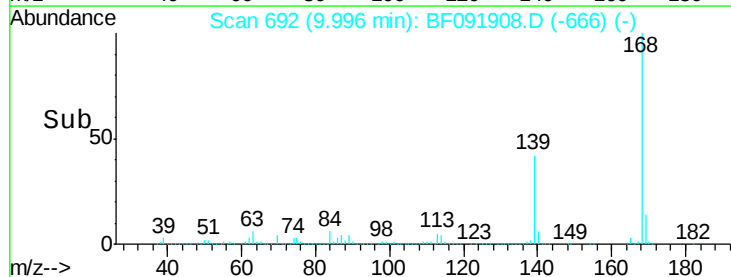
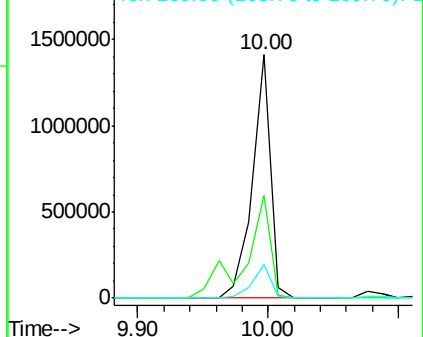


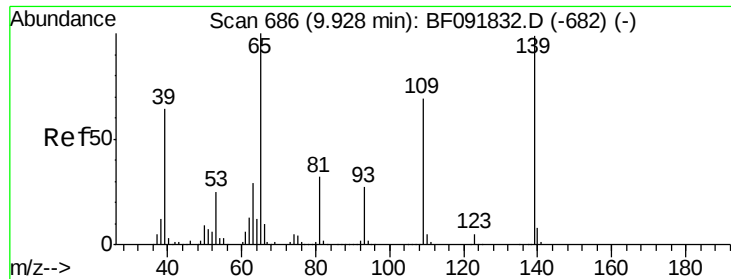
#54
Dibenzofuran
Concen: 44.78 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:168 Resp: 1366123
Ion Ratio Lower Upper
168 100
139 42.1 32.6 49.0
169 13.8 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

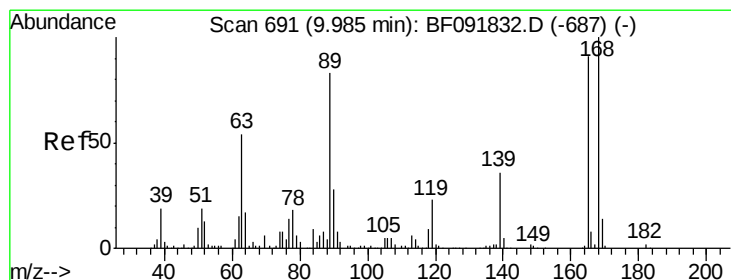
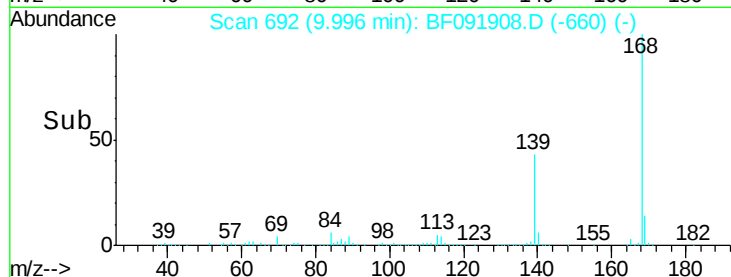
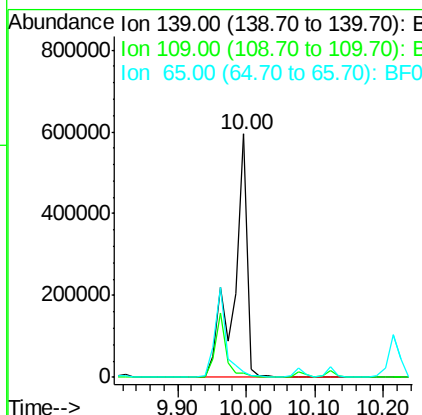
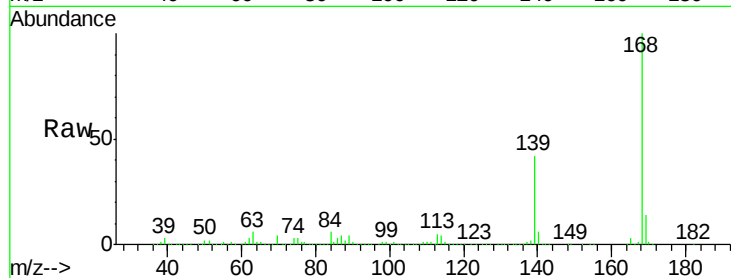




#55
4-Nitrophenol
Concen: 174.34 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.07 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

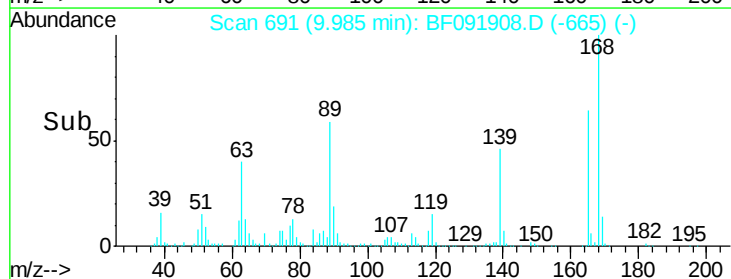
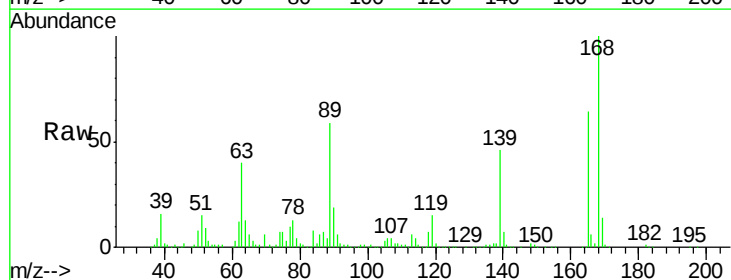
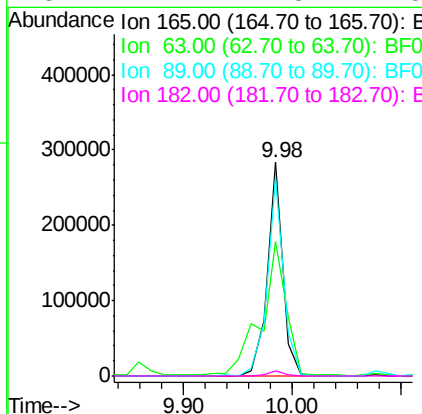
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

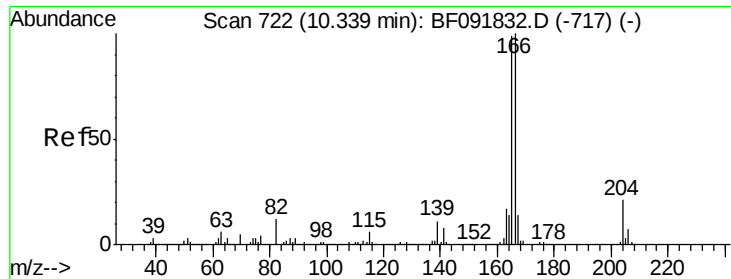
Tgt Ion:139 Resp: 819482
Ion Ratio Lower Upper
139 100
109 1.6 52.2 92.2#
65 2.3 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 40.12 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:165 Resp: 281692
Ion Ratio Lower Upper
165 100
63 62.7 40.2 60.4#
89 92.9 62.5 93.7
182 2.2 1.8 2.8





#57

Fluorene

Concen: 48.68 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

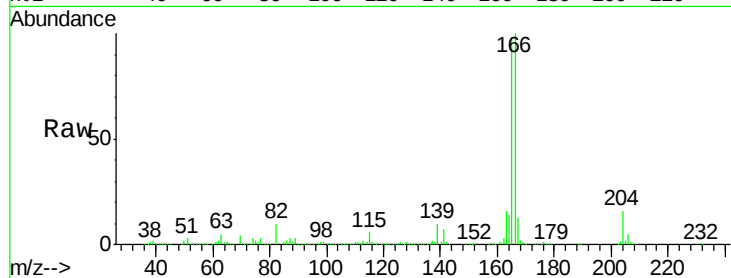
Tgt Ion:166 Resp: 1080605

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.8

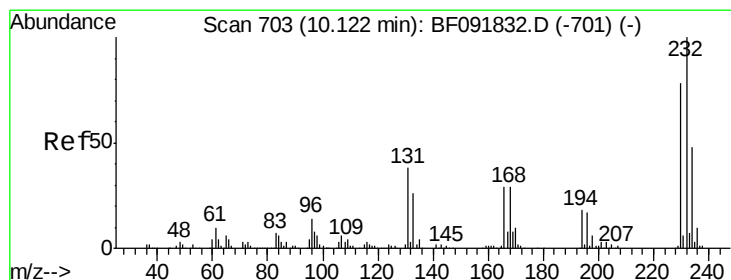
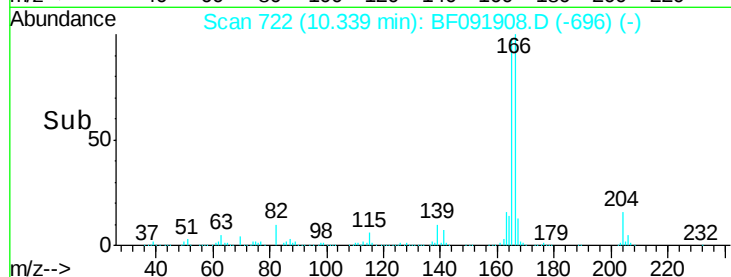
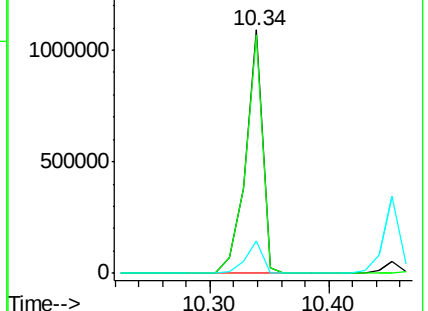
167 13.4 10.8 16.2



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: 36.57 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Tgt Ion:232 Resp: 210147

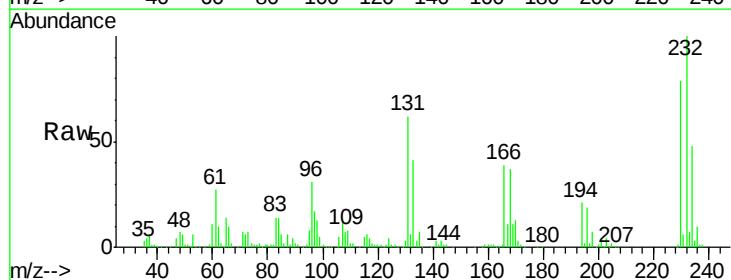
Ion Ratio Lower Upper

232 100

131 49.7 40.1 60.1

130 2.6 1.8 2.8

166 33.1 26.6 39.8

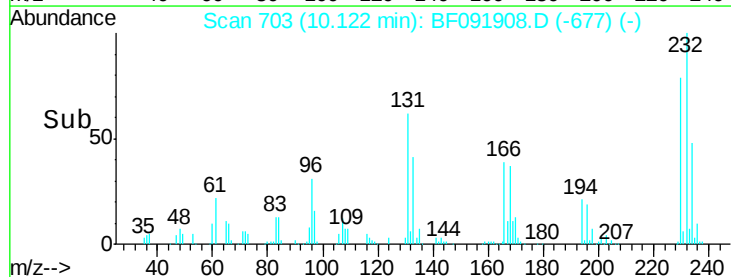
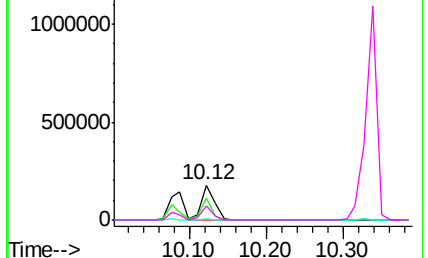


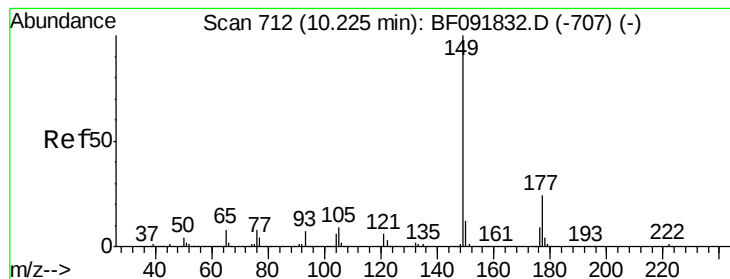
Abundance Ion 232.00 (231.70 to 232.70): E

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: 48.97 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

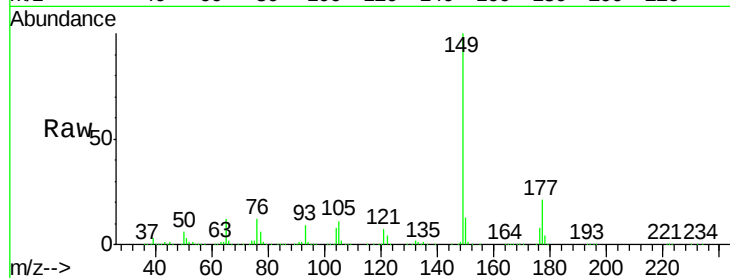
Tgt Ion:149 Resp: 1215537

Ion Ratio Lower Upper

149 100

177 20.5 16.6 25.0

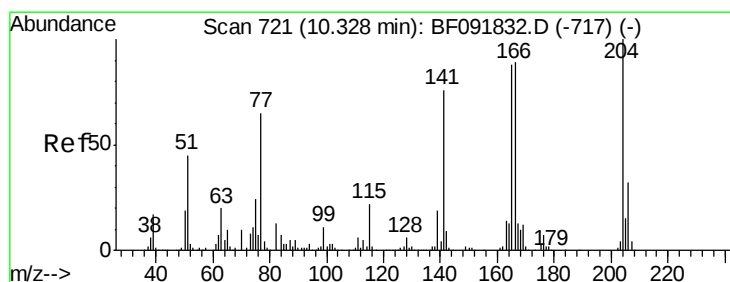
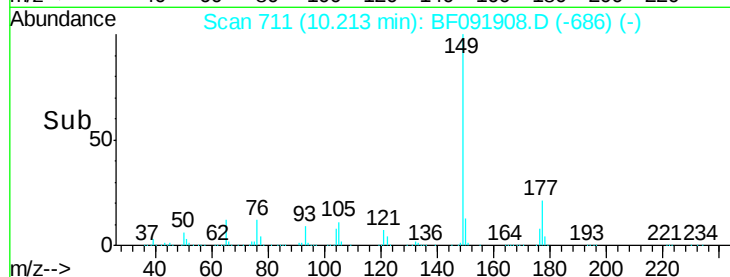
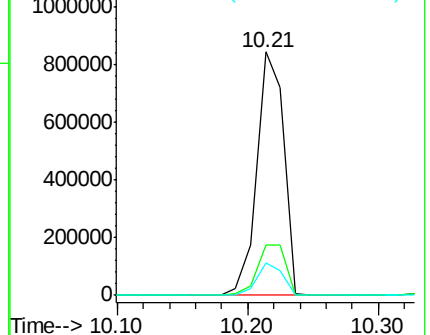
150 13.1 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.96 ng

RT: 10.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

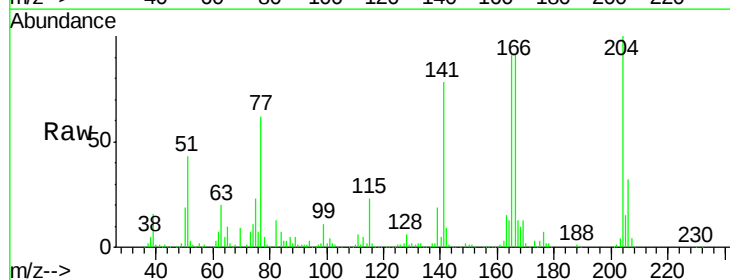
Tgt Ion:204 Resp: 446668

Ion Ratio Lower Upper

204 100

206 32.0 25.8 38.6

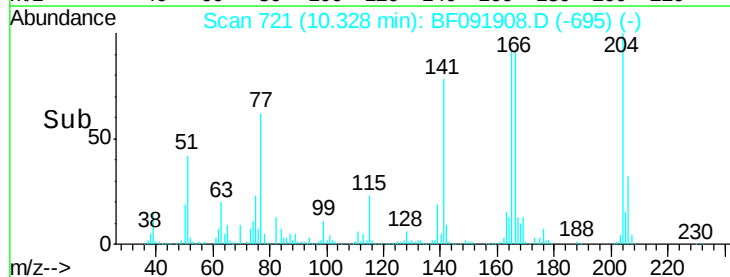
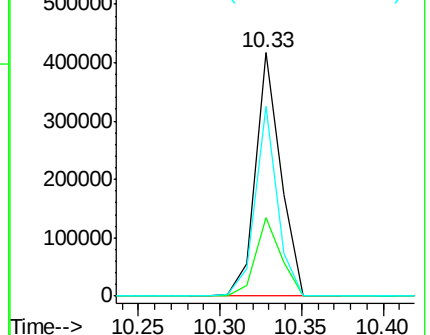
141 77.9 59.4 89.0

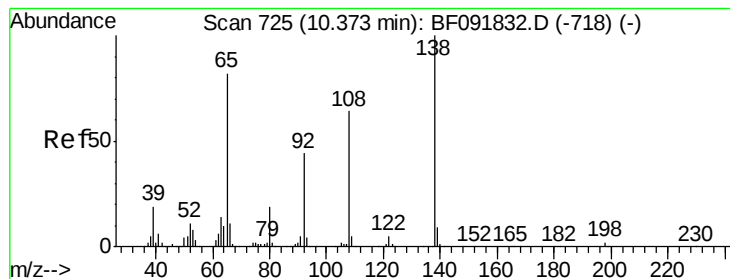


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 34.35 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

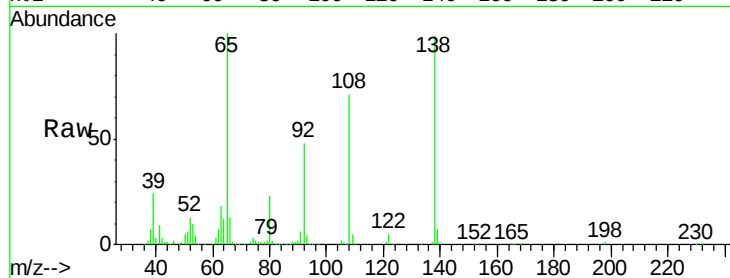
Tgt Ion:138 Resp: 246403

Ion Ratio Lower Upper

138 100

92 48.2 31.7 71.7

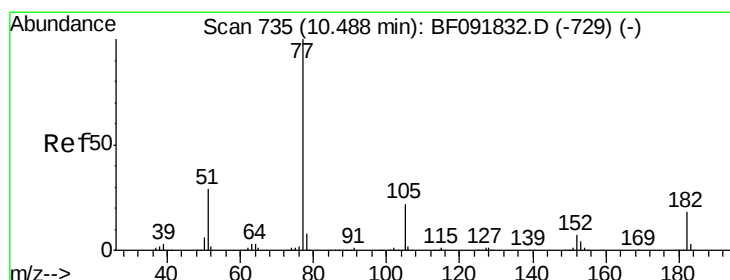
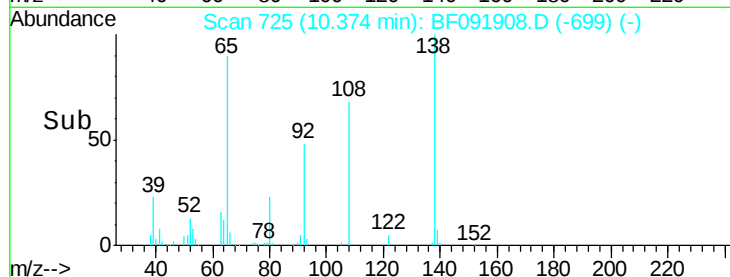
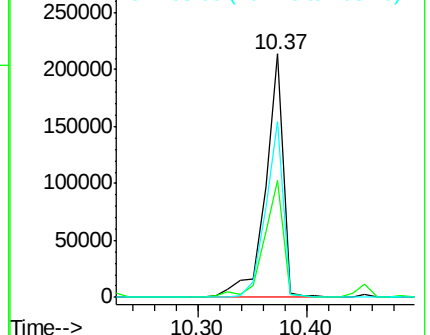
108 72.4 52.6 92.6



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: 44.89 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Tgt Ion: 77 Resp: 1226794

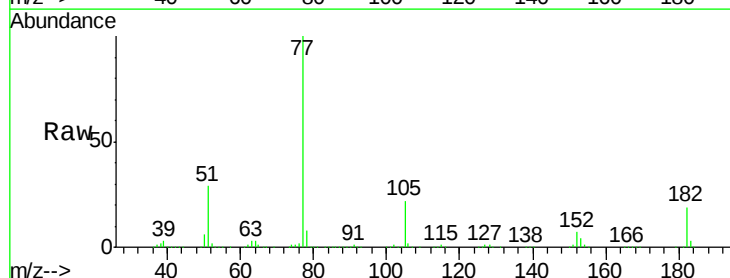
Ion Ratio Lower Upper

77 100

182 19.4 0.0 39.3

105 21.7 2.3 42.3

51 29.4 8.9 48.9

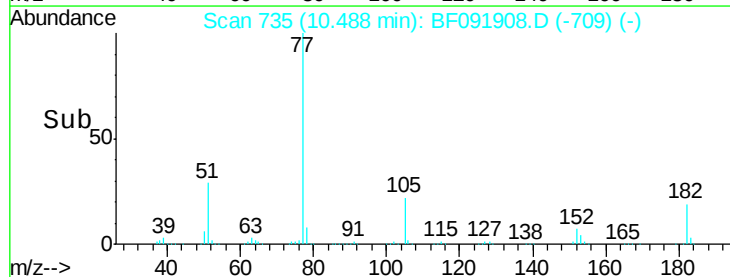
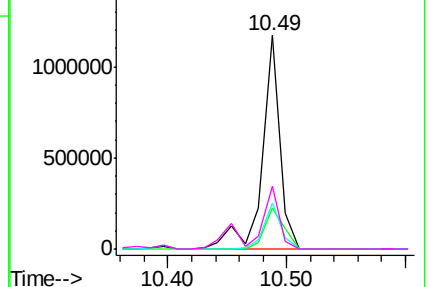


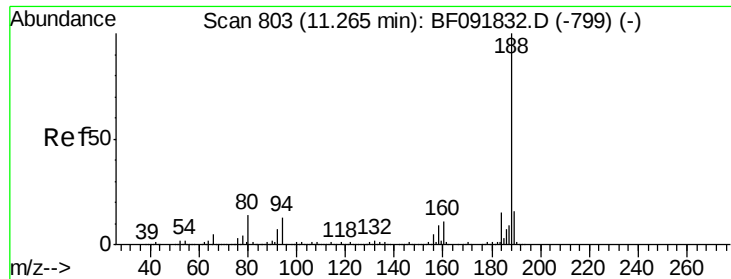
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

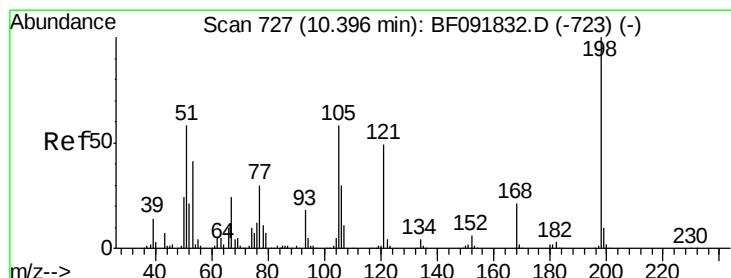
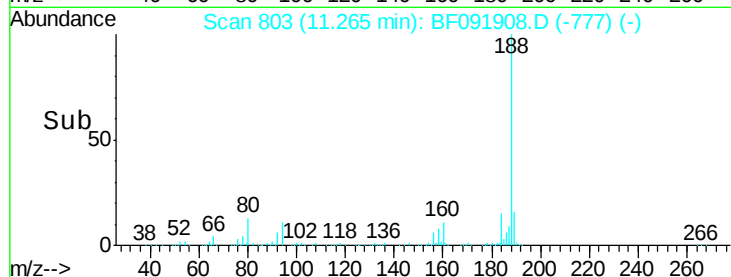
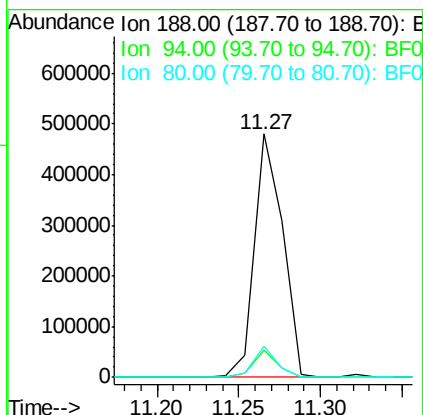
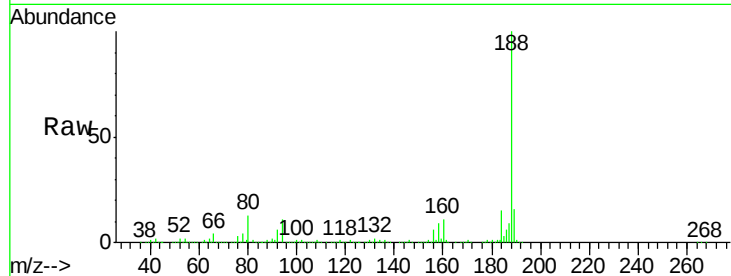




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

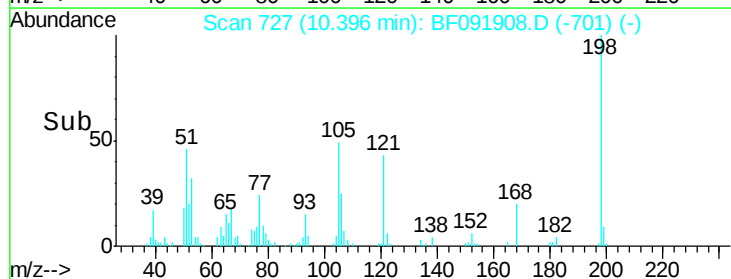
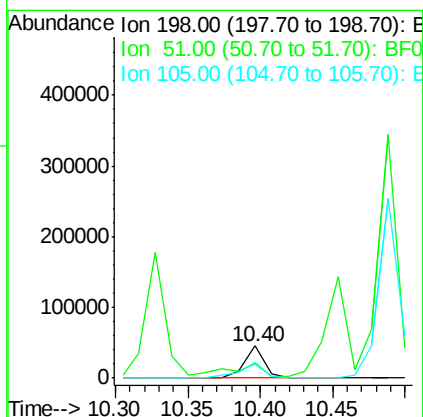
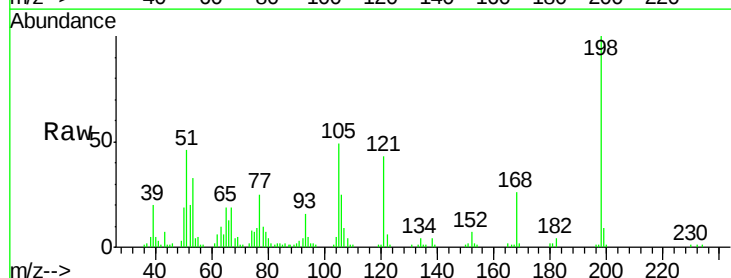
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

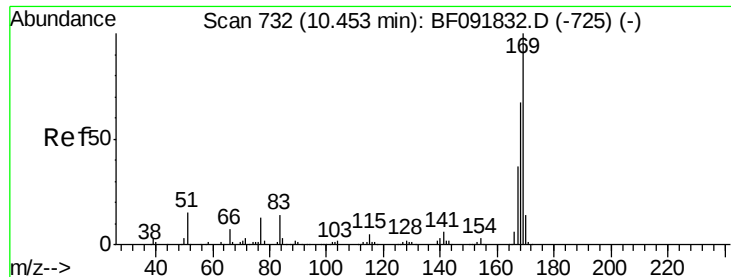
Tgt Ion:188 Resp: 578983
Ion Ratio Lower Upper
188 100
94 11.3 10.0 15.0
80 13.0 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 12.59 ng
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:198 Resp: 44096
Ion Ratio Lower Upper
198 100
51 46.1 6.7 46.7
105 49.2 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 52.49 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

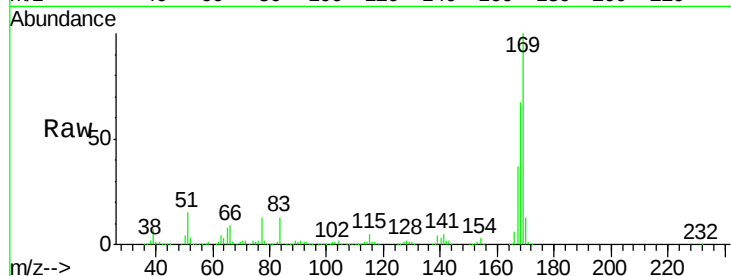
Tgt Ion:169 Resp: 901793

Ion Ratio Lower Upper

169 100

168 66.6 54.2 81.2

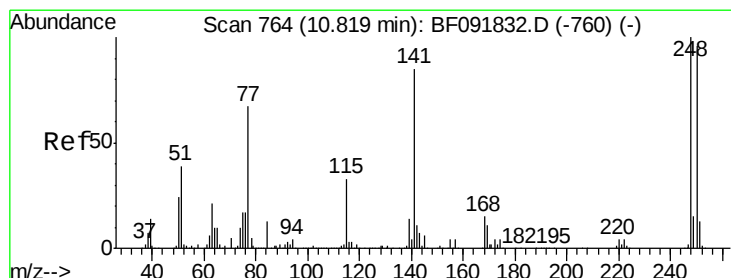
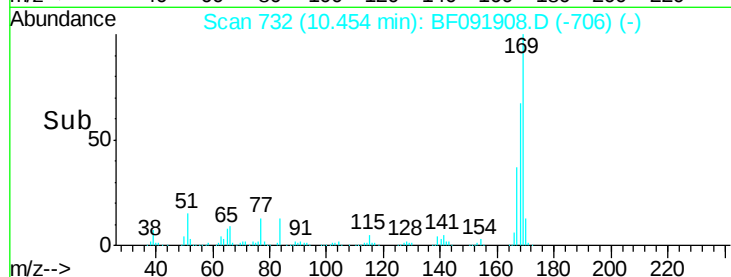
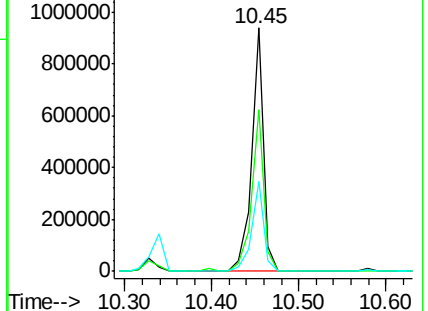
167 37.0 30.2 45.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 50.89 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

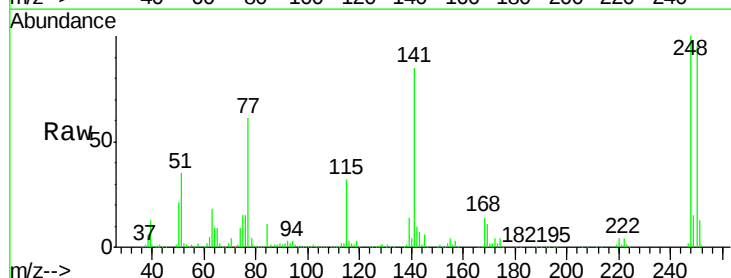
Tgt Ion:248 Resp: 306499

Ion Ratio Lower Upper

248 100

250 95.2 76.9 115.3

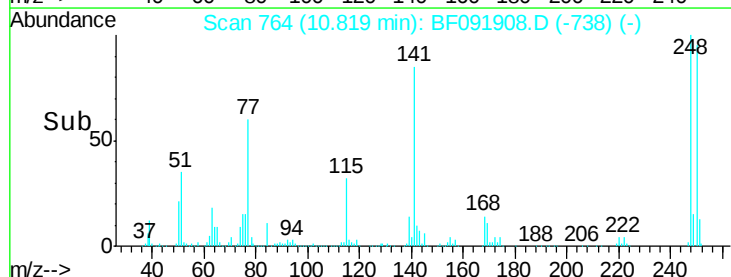
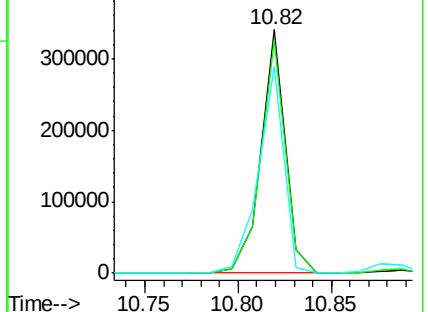
141 84.6 68.2 102.4

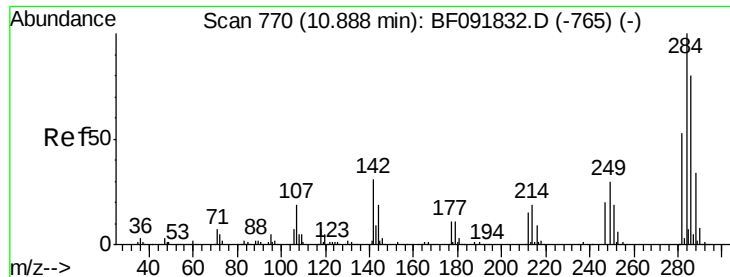


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

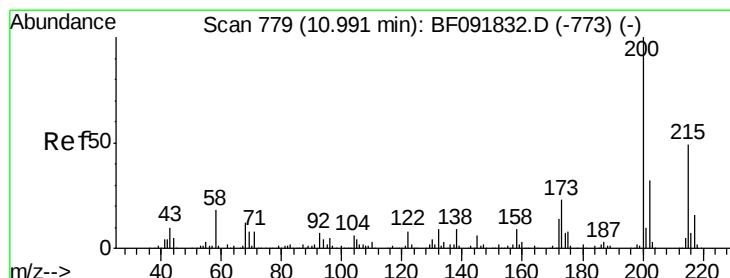
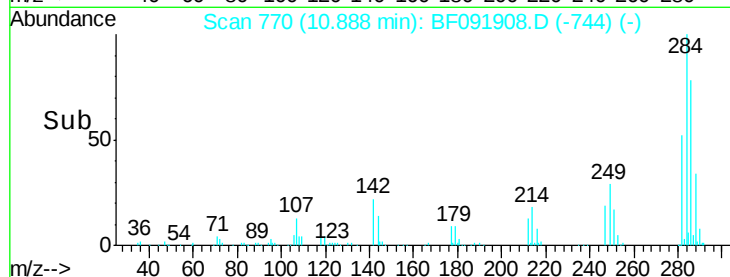
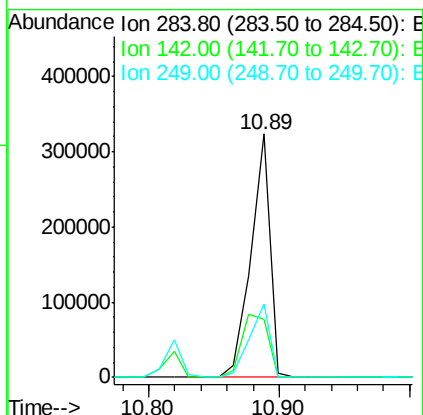
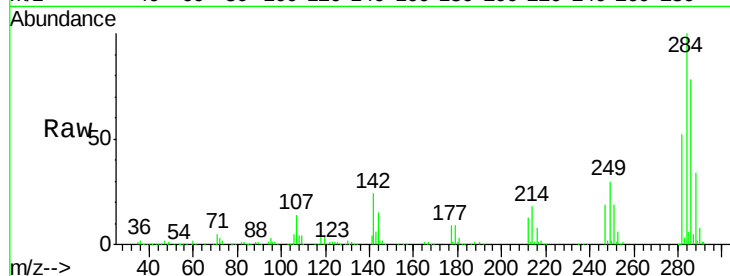




#67
Hexachlorobenzene
Concen: 51.29 ng
RT: 10.89 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

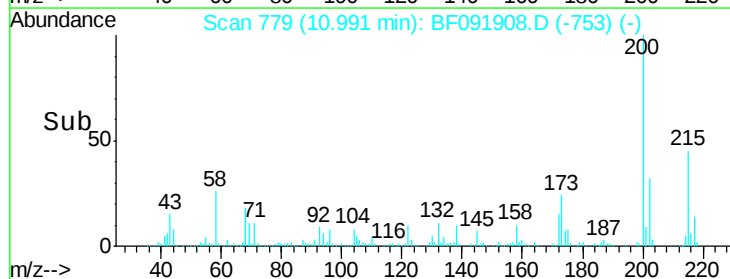
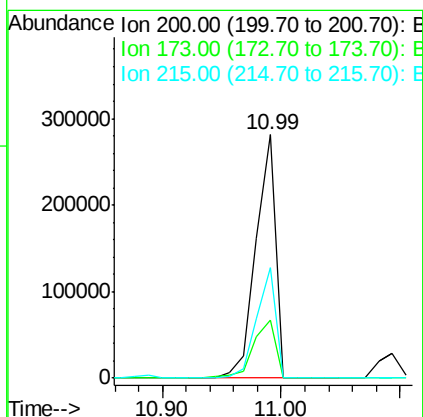
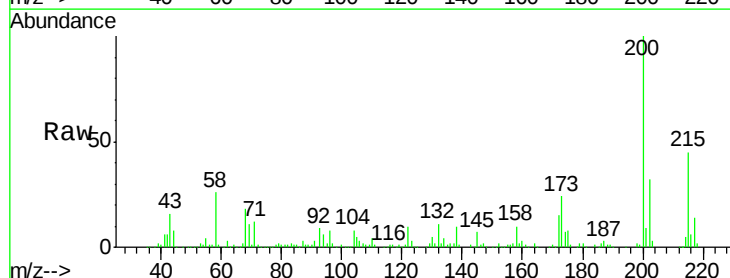
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

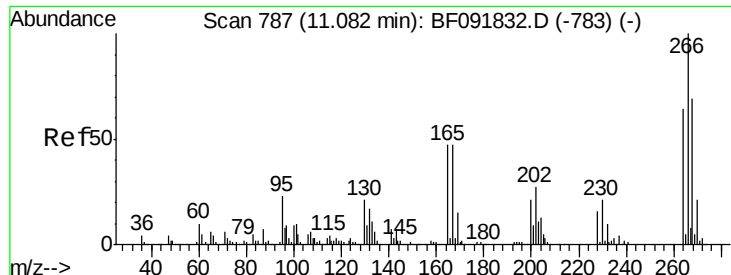
Tgt Ion:284 Resp: 330214
Ion Ratio Lower Upper
284 100
142 24.0 22.6 33.8
249 29.9 25.4 38.0



#68
Atrazine
Concen: 59.14 ng
RT: 10.99 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:200 Resp: 327733
Ion Ratio Lower Upper
200 100
173 24.1 9.6 49.6
215 45.2 25.7 65.7

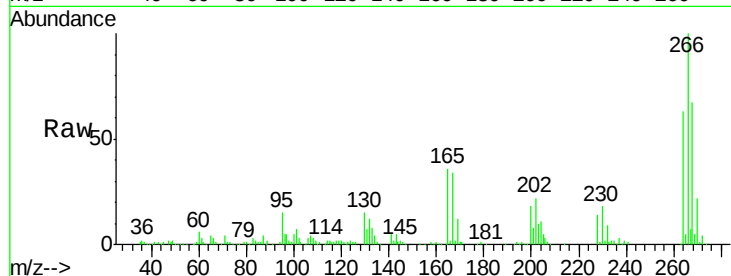




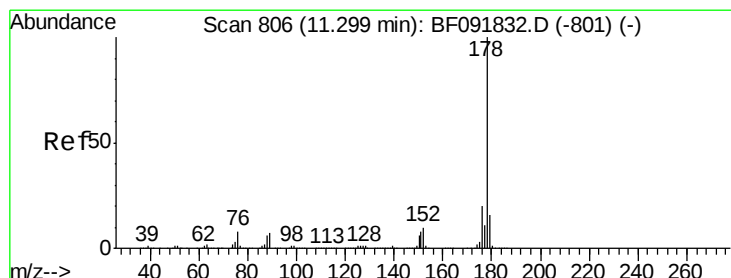
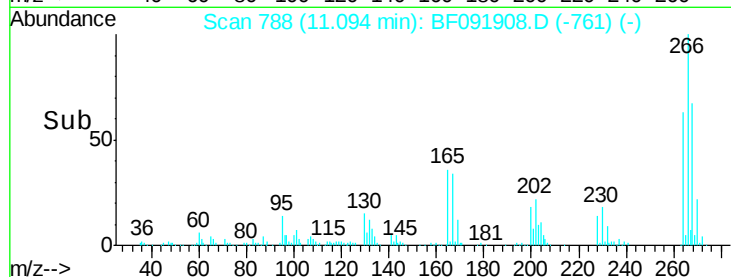
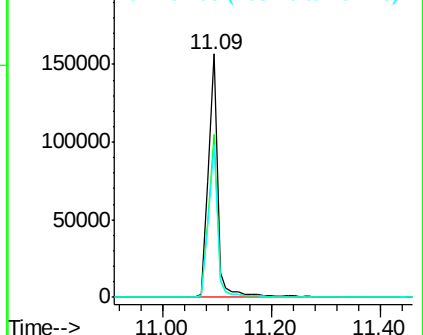
#69
 Pentachlorophenol
 Concen: 60.18 ng
 RT: 11.09 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Tgt Ion:266 Resp: 190099
 Ion Ratio Lower Upper
 266 100
 268 67.0 53.3 79.9
 264 62.9 50.3 75.5

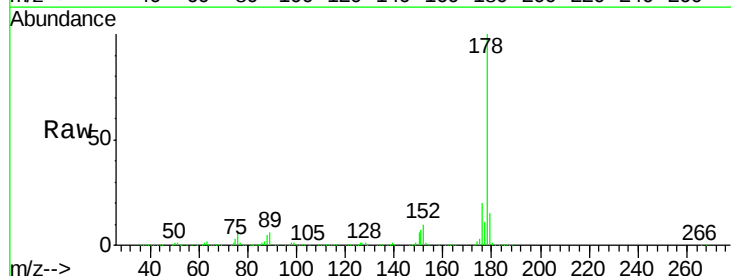


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

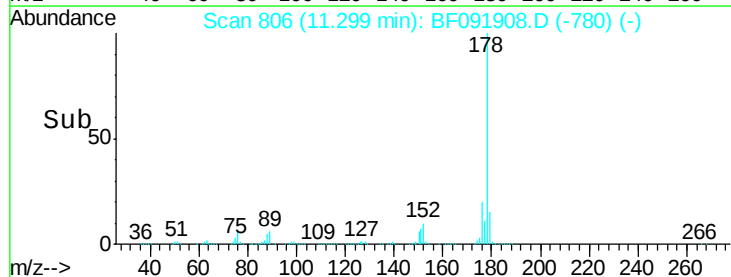
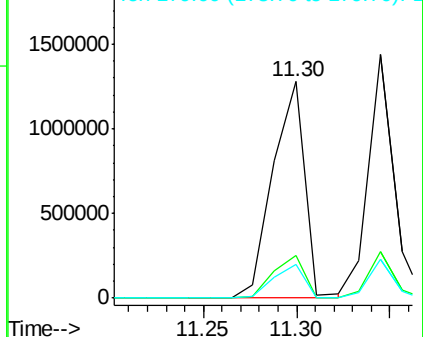


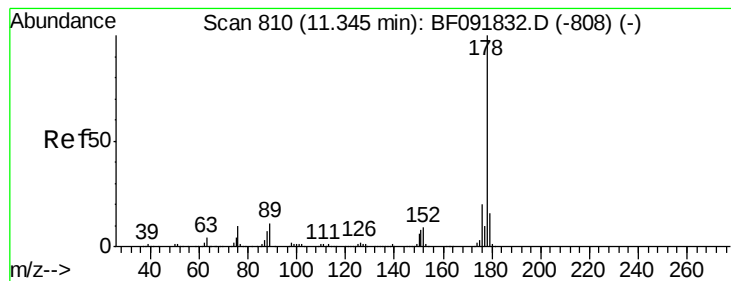
#70
 Phenanthrene
 Concen: 48.28 ng
 RT: 11.30 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:178 Resp: 1515883
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 15.4 12.8 19.2



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





#71

Anthracene

Concen: 49.89 ng

RT: 11.35 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

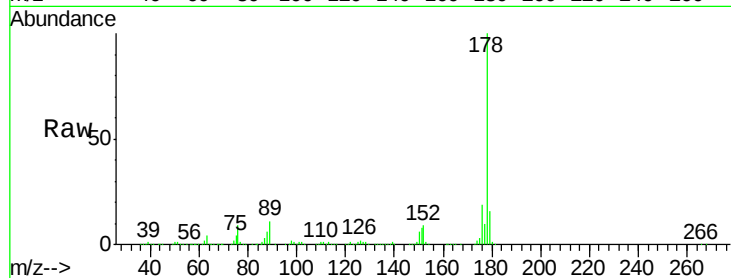
Tgt Ion:178 Resp: 1337247

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

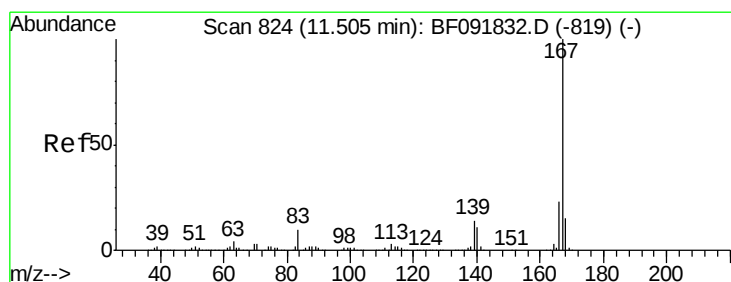
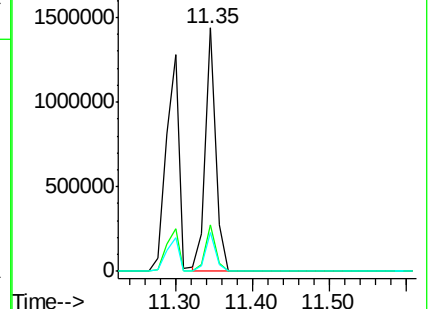
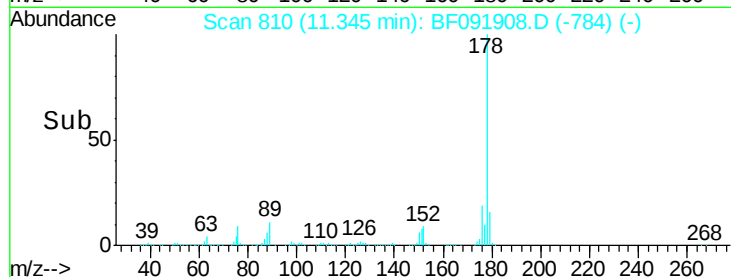
179 15.8 13.2 19.8



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



#72

Carbazole

Concen: 48.19 ng

RT: 11.51 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

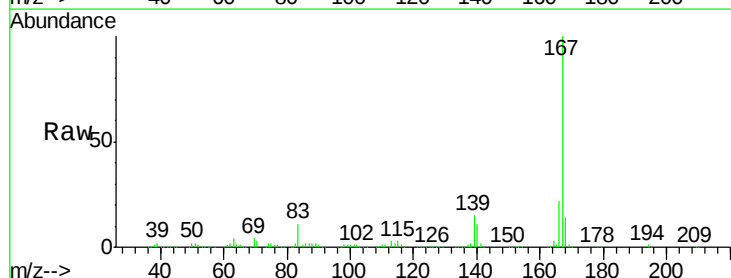
Tgt Ion:167 Resp: 1206611

Ion Ratio Lower Upper

167 100

166 21.9 18.2 27.2

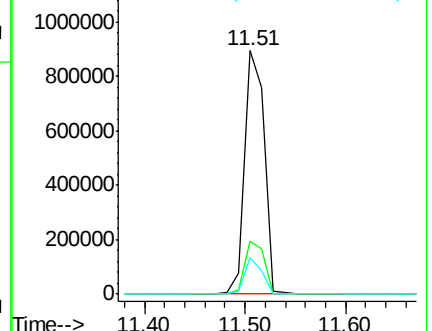
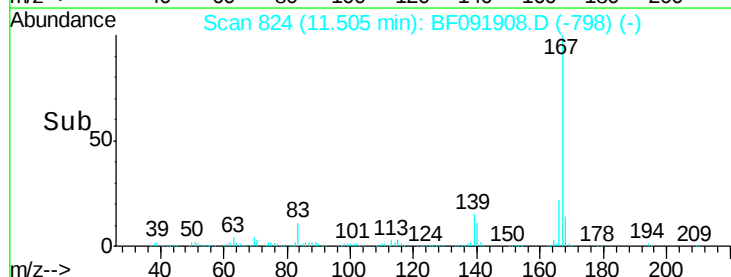
139 15.1 11.4 17.2

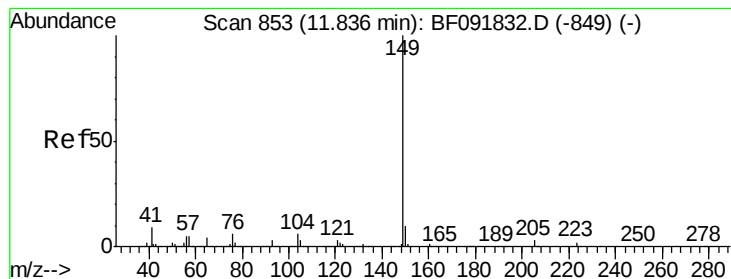


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 58.62 ng

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

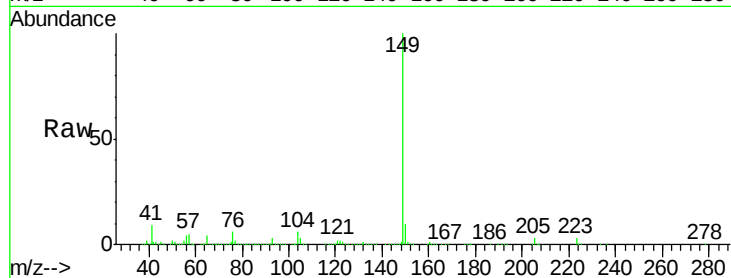
Tgt Ion:149 Resp: 1706959

Ion Ratio Lower Upper

149 100

150 9.8 8.1 12.1

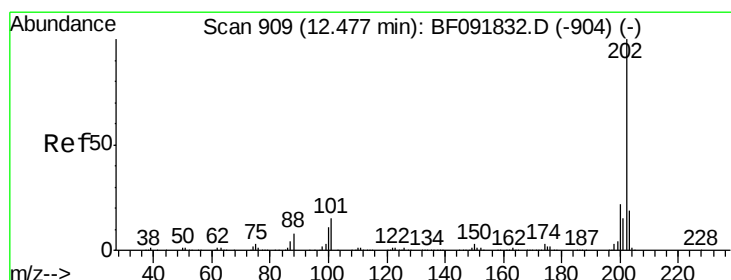
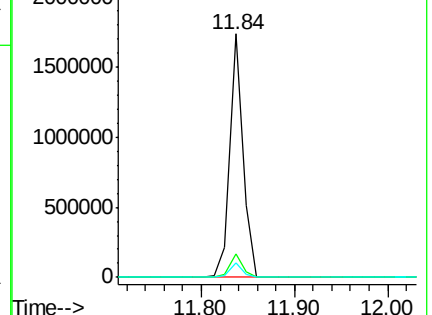
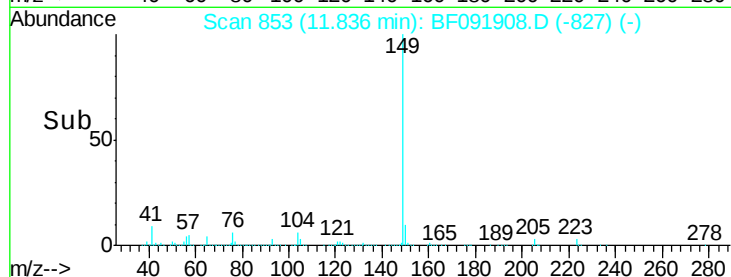
104 5.8 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.56 ng

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

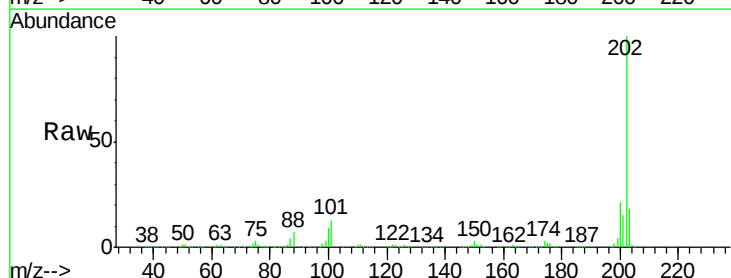
Tgt Ion:202 Resp: 1228368

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.6

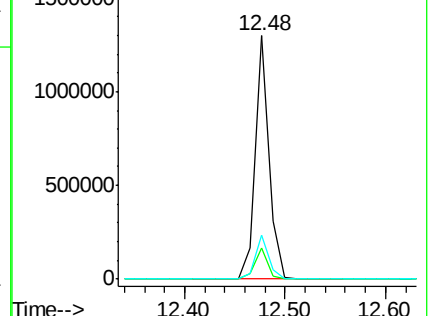
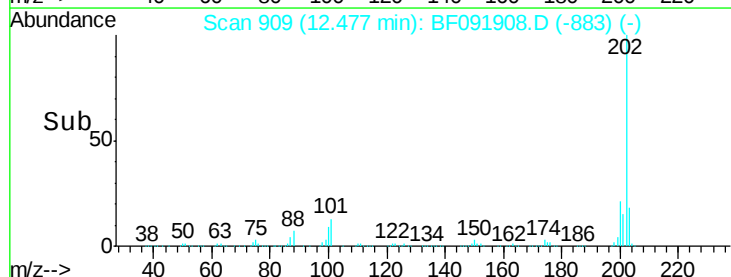
203 18.2 0.0 38.7

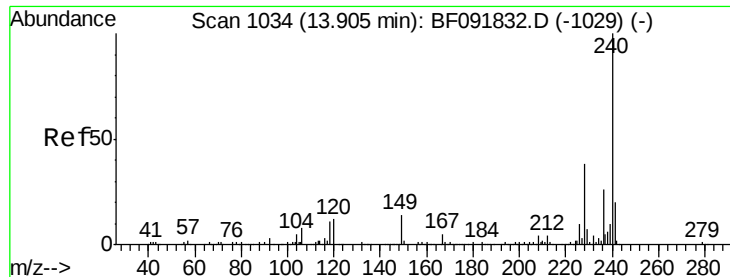


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

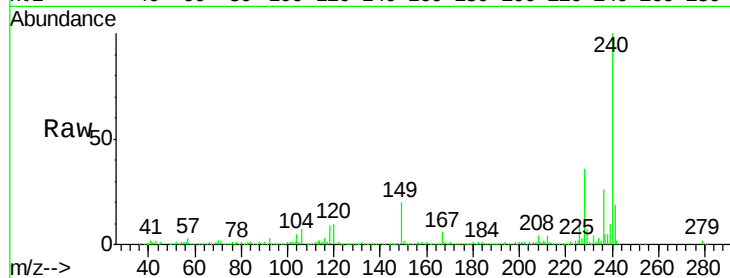
Tgt Ion:240 Resp: 395326

Ion Ratio Lower Upper

240 100

120 9.7 12.9 19.3#

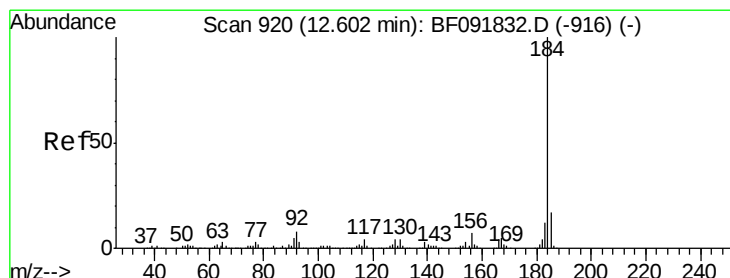
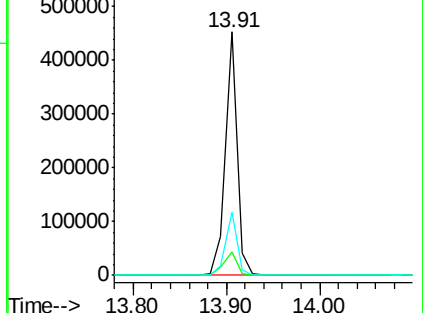
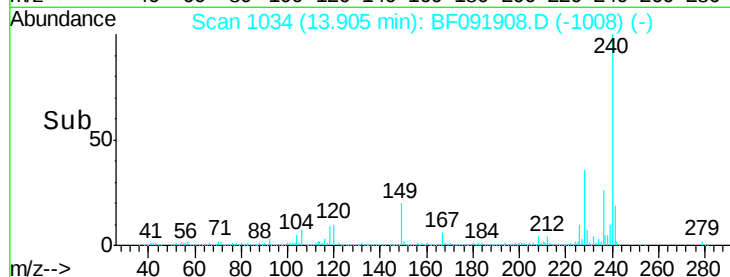
236 25.7 20.9 31.3



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: 41.98 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

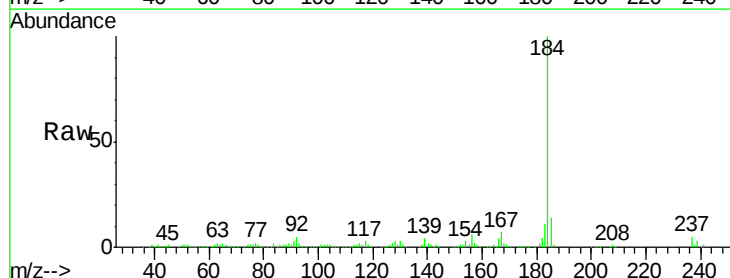
Tgt Ion:184 Resp: 429089

Ion Ratio Lower Upper

184 100

185 14.1 13.4 20.0

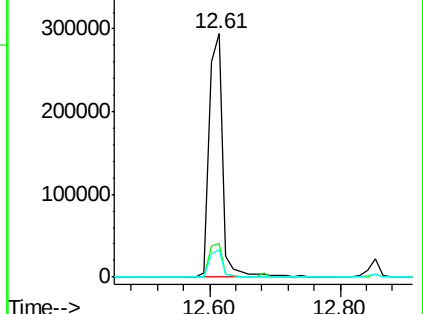
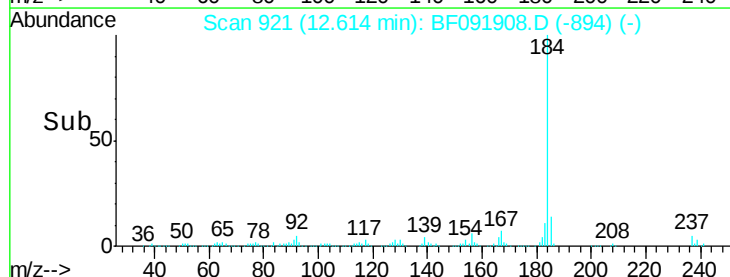
183 11.1 9.2 13.8

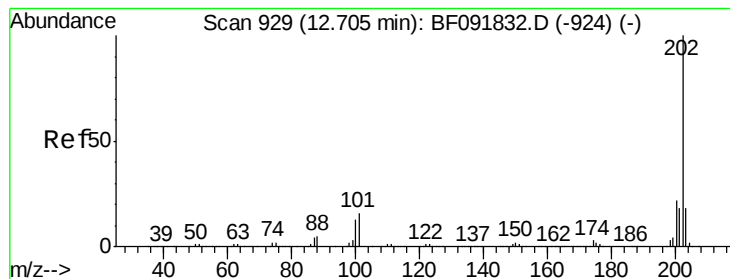


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 42.25 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

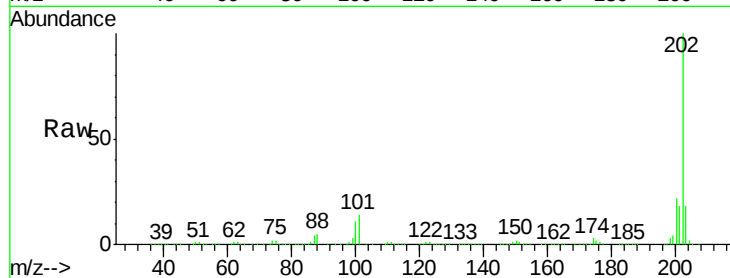
Tgt Ion:202 Resp: 1225512

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

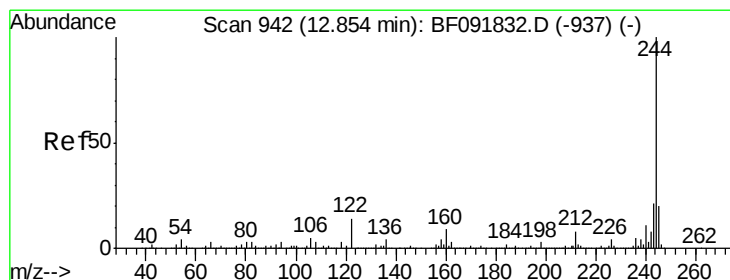
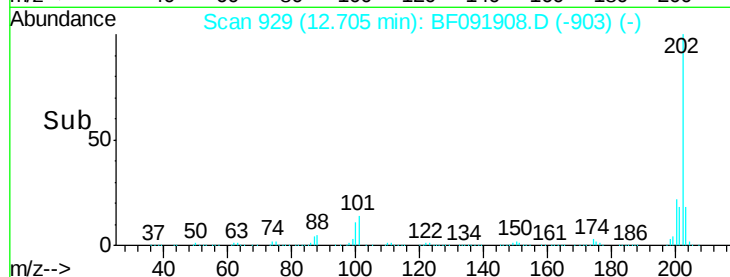
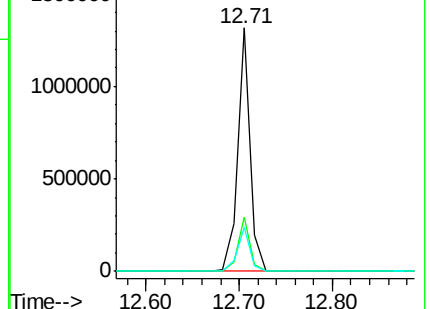
203 18.3 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 93.99 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

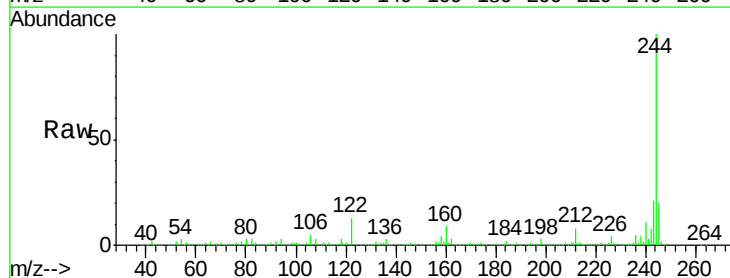
Tgt Ion:244 Resp: 1532126

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

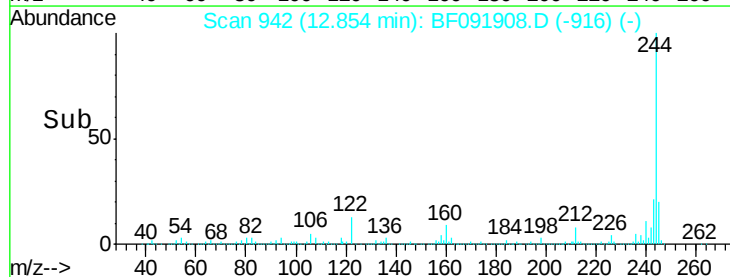
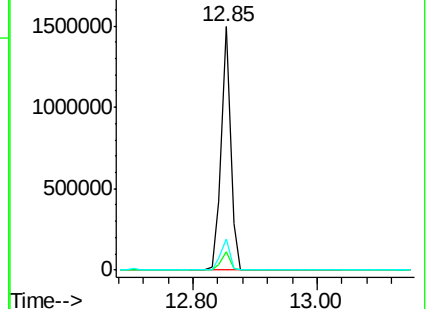
122 13.1 11.4 17.2

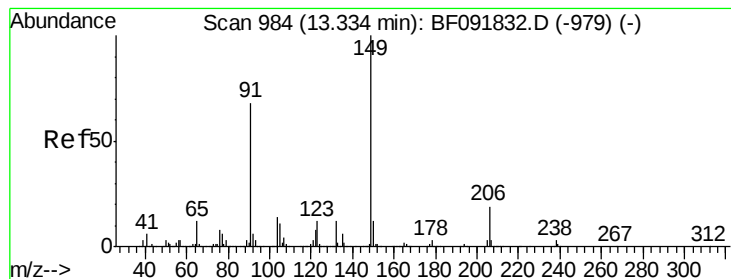


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 52.12 ng

RT: 13.33 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

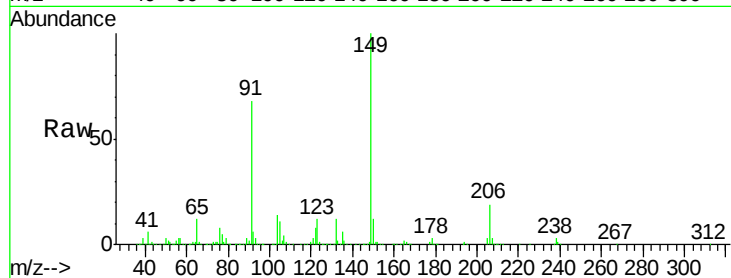
Tgt Ion:149 Resp: 687510

Ion Ratio Lower Upper

149 100

91 67.5 63.9 95.9

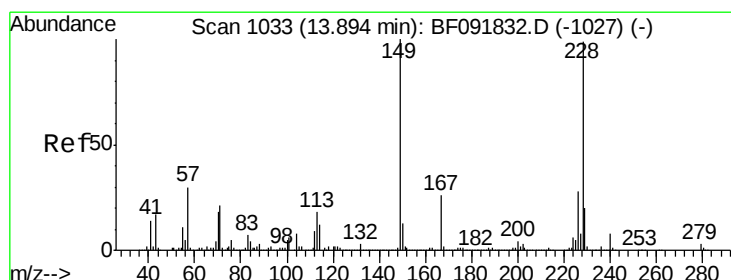
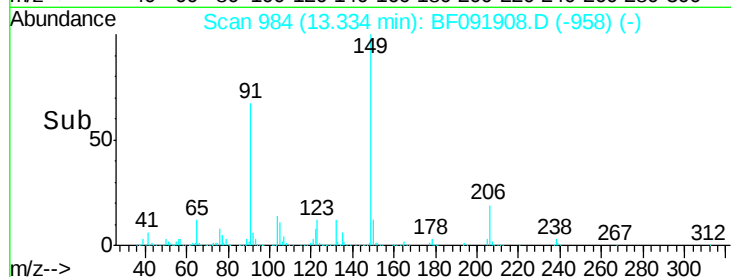
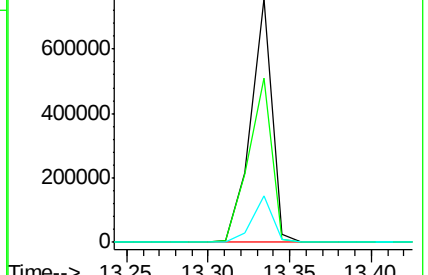
206 19.1 14.6 21.8



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: 43.26 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

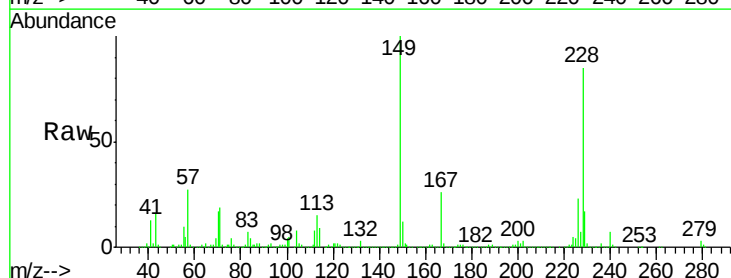
Tgt Ion:228 Resp: 965435

Ion Ratio Lower Upper

228 100

226 27.4 22.4 33.6

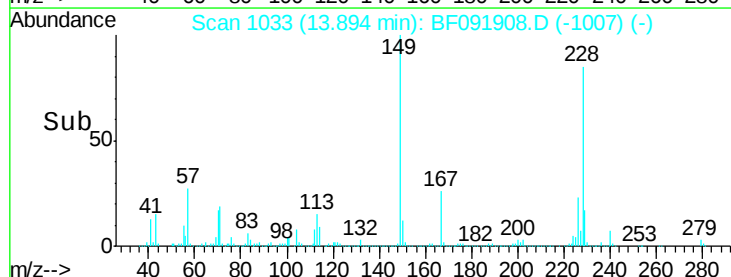
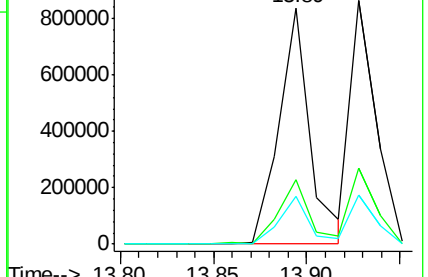
229 20.1 16.2 24.4

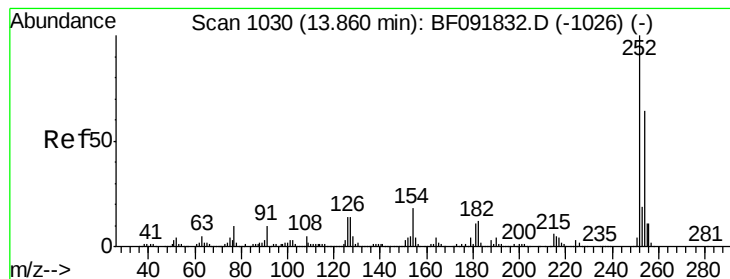


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 33.28 ng

RT: 13.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

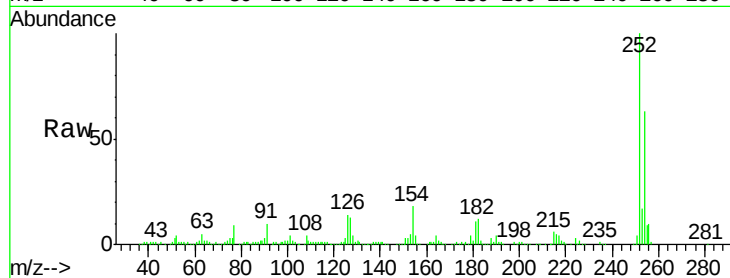
Tgt Ion:252 Resp: 281605

Ion Ratio Lower Upper

252 100

254 63.1 52.3 78.5

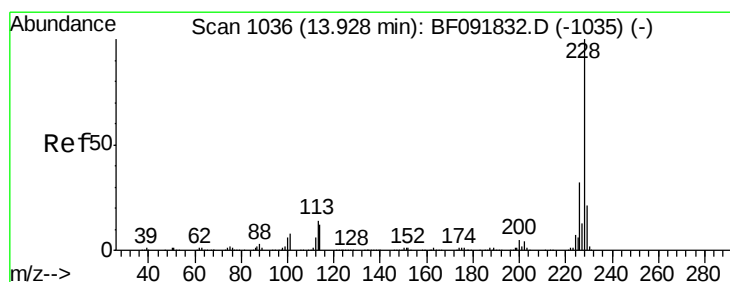
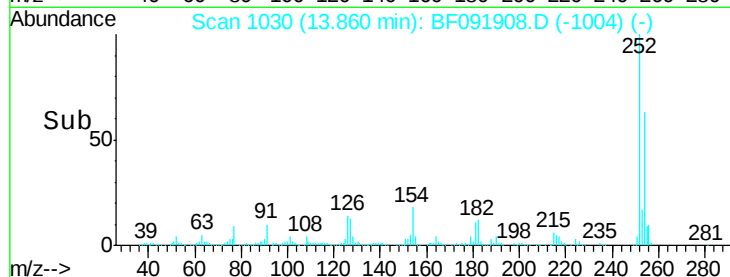
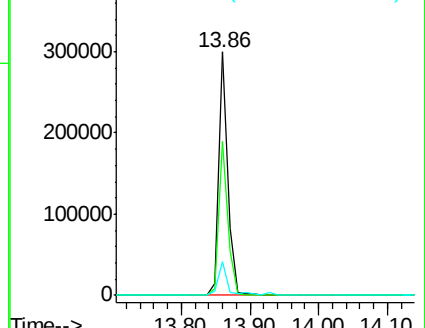
126 13.7 13.6 20.4



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: 37.63 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

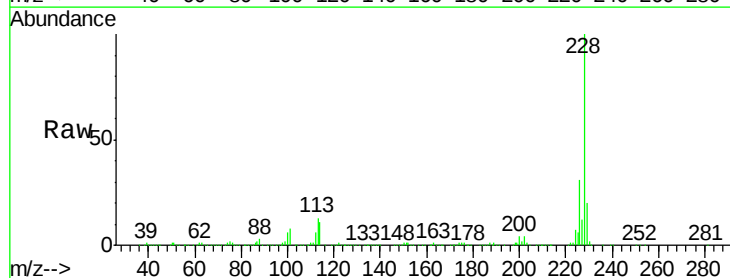
Tgt Ion:228 Resp: 842402

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

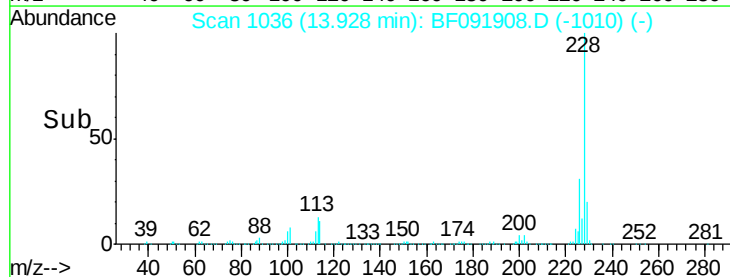
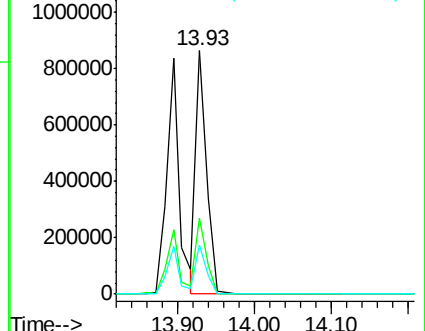
229 20.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

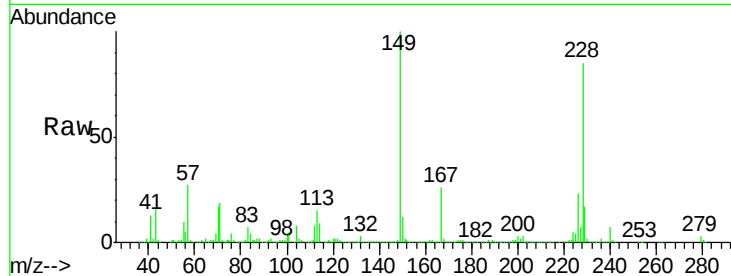




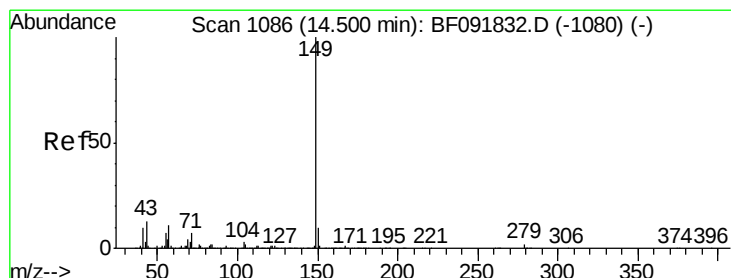
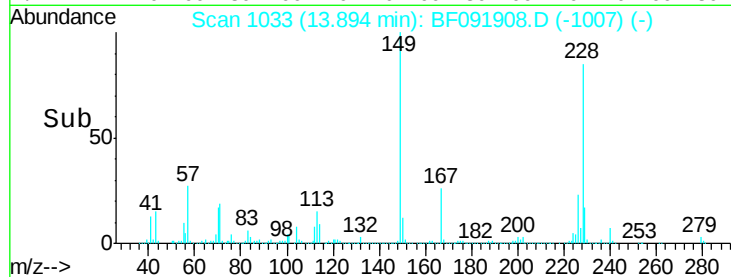
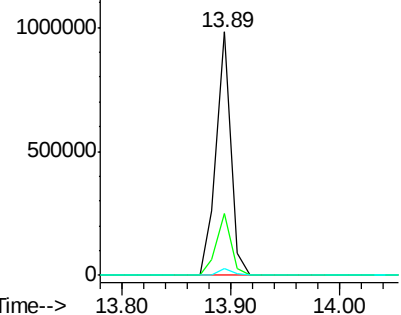
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 59.28 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

Tgt Ion:149 Resp: 920907
 Ion Ratio Lower Upper
 149 100
 167 25.6 20.2 30.4
 279 3.0 1.8 2.8#

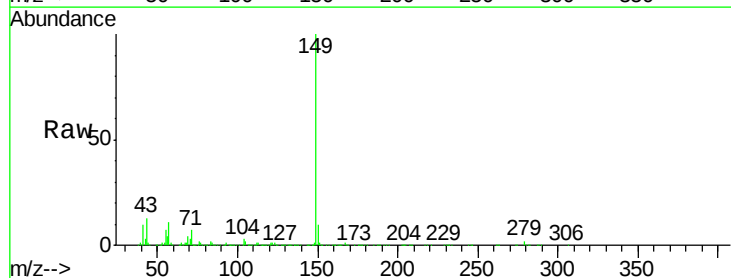


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

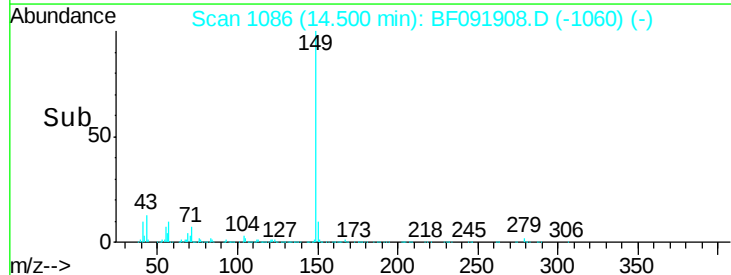
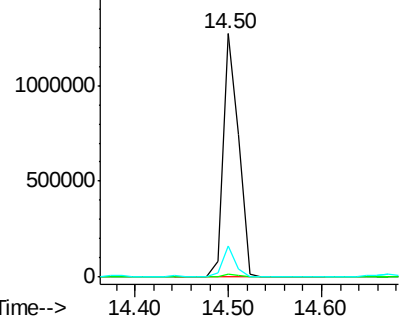


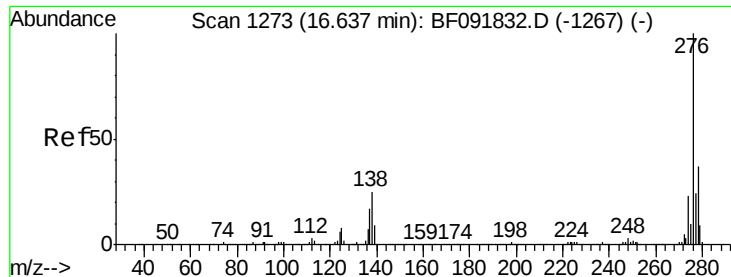
#84
 Di-n-octyl phthalate
 Concen: 50.45 ng
 RT: 14.50 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion:149 Resp: 1451906
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 10.2 8.9 13.3



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

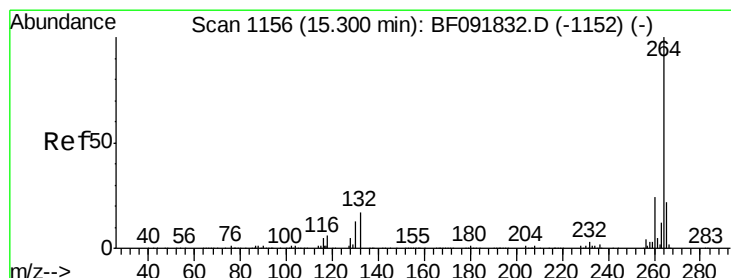
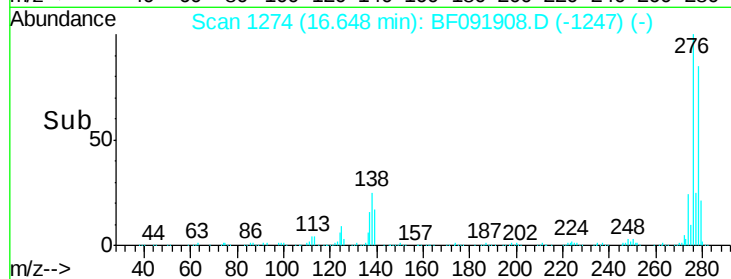
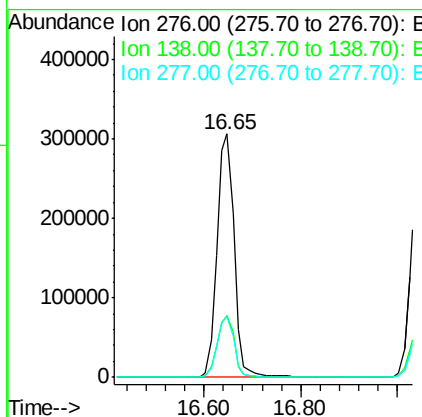
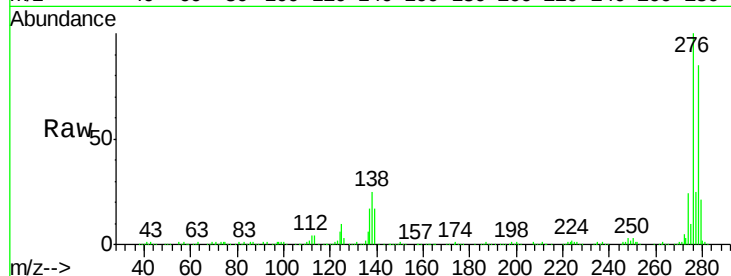




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.54 ng
 RT: 16.65 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

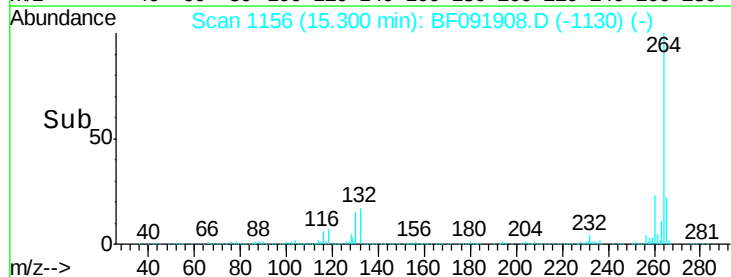
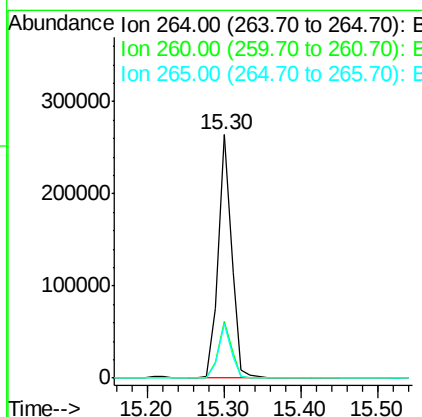
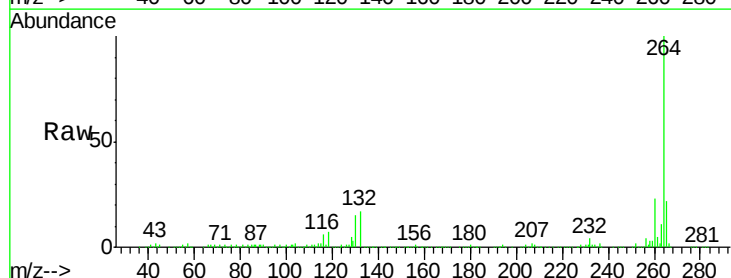
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MS

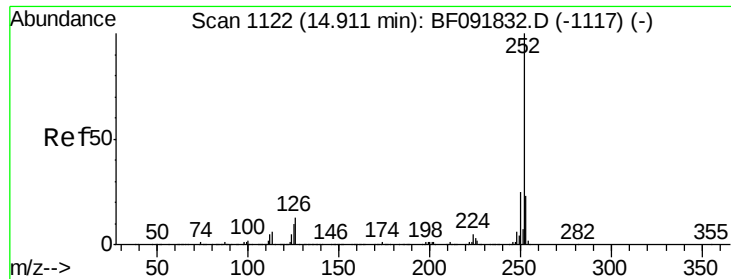
Tgt Ion: 276 Resp: 766718
 Ion Ratio Lower Upper
 276 100
 138 25.4 21.8 32.6
 277 24.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BF091908.D
 Acq: 23 Dec 2016 6:28

Tgt Ion: 264 Resp: 324380
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.4 17.4 26.0

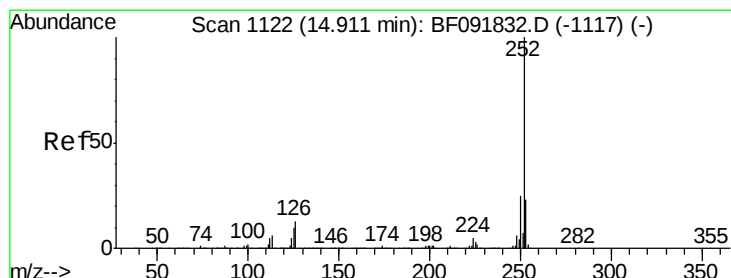
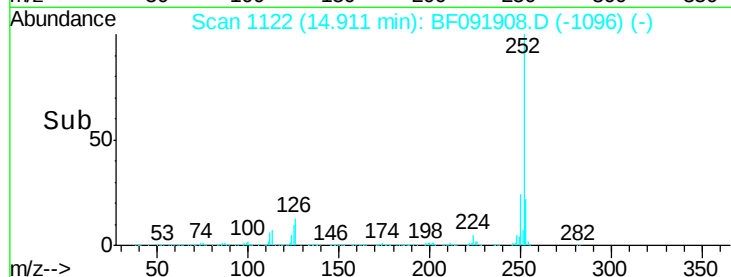
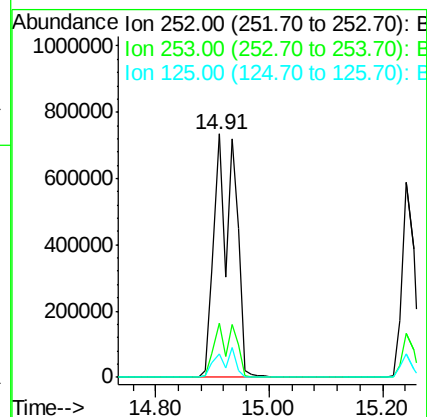
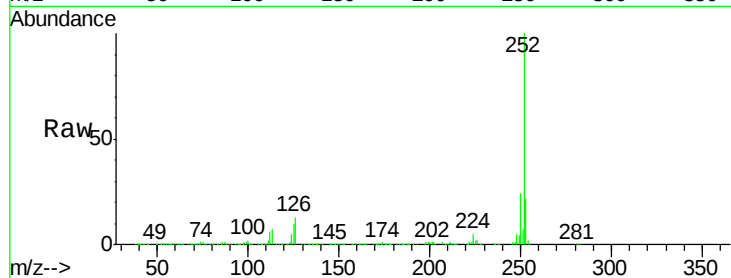




#87
Benzo(b)fluoranthene
Concen: 88.35 ng
RT: 14.91 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

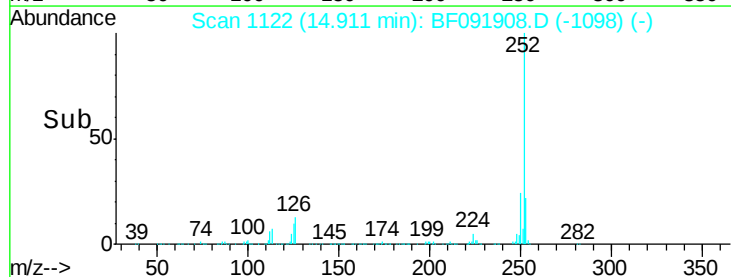
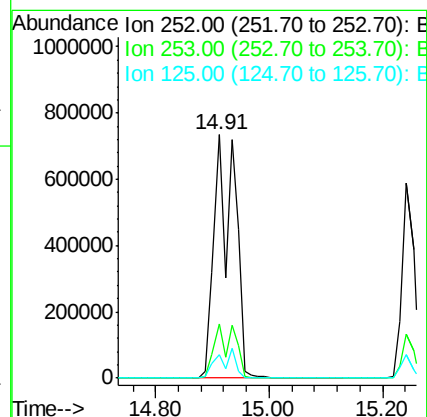
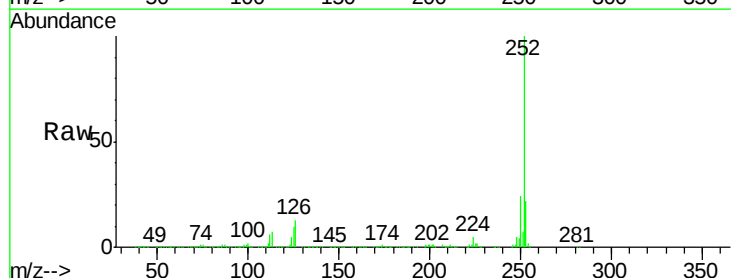
Instrument :
BNA_F
ClientSampleId :
WC-201612MS

Tgt Ion:252 Resp: 1784199
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 9.9 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 103.60 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF091908.D
Acq: 23 Dec 2016 6:28

Tgt Ion:252 Resp: 1784199
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 9.9 8.9 13.3





#89

Benzo(a)pyrene

Concen: 46.48 ng

RT: 15.24 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

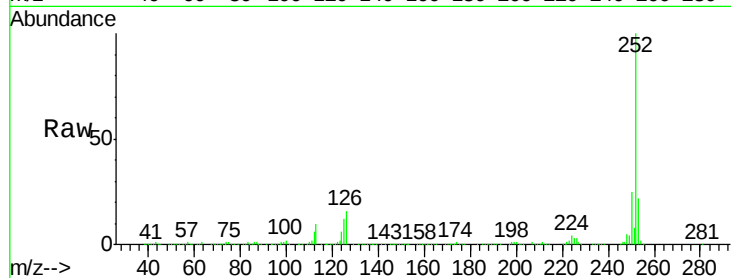
Tgt Ion:252 Resp: 833142

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

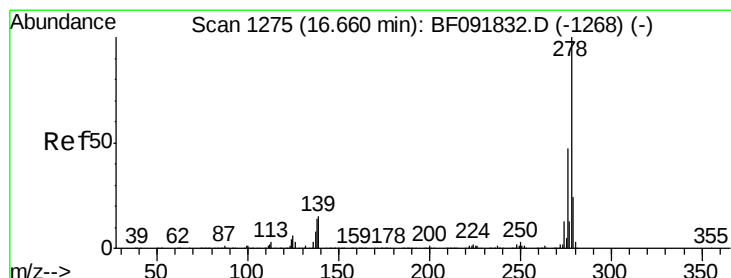
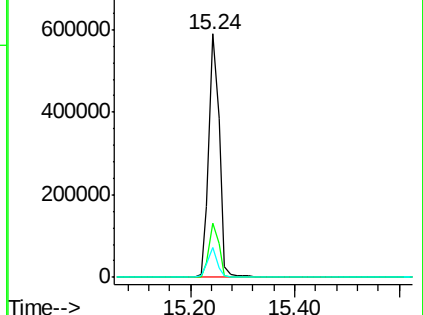
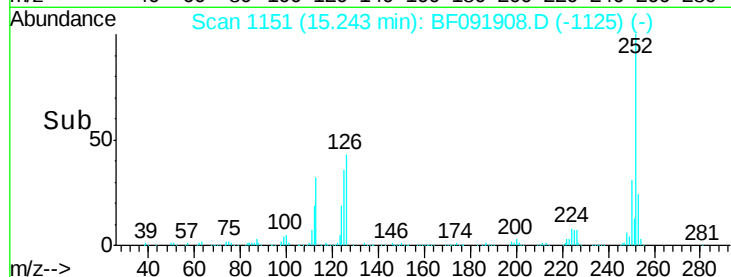
125 12.2 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 43.80 ng

RT: 16.66 min Scan# 1275

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

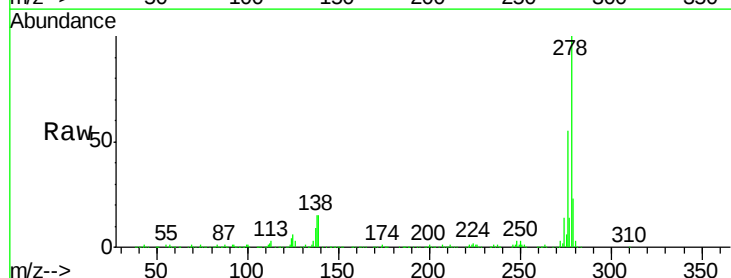
Tgt Ion:278 Resp: 645249

Ion Ratio Lower Upper

278 100

139 14.9 14.8 22.2

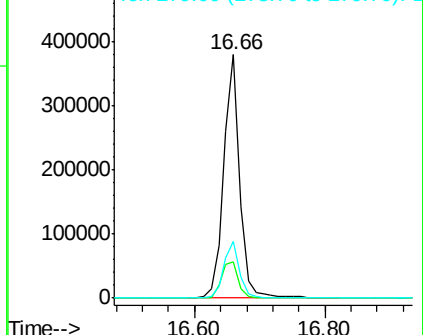
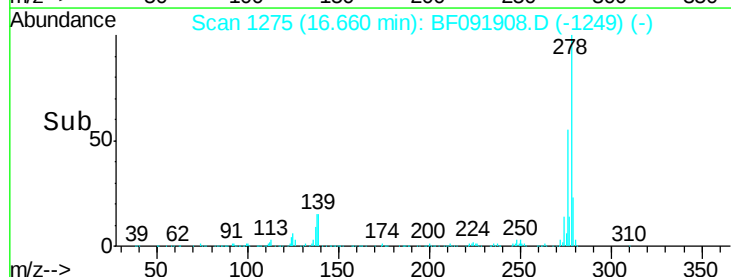
279 23.4 19.8 29.6

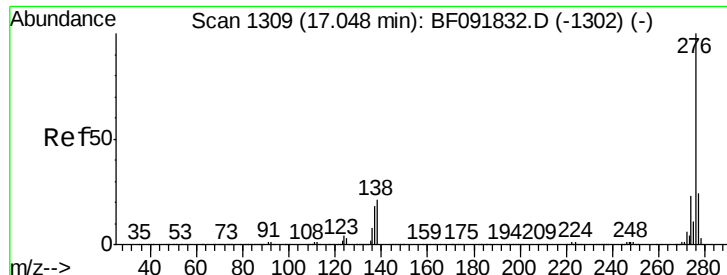


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 40.89 ng

RT: 17.05 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF091908.D

Acq: 23 Dec 2016 6:28

Instrument :

BNA_F

ClientSampleId :

WC-201612MS

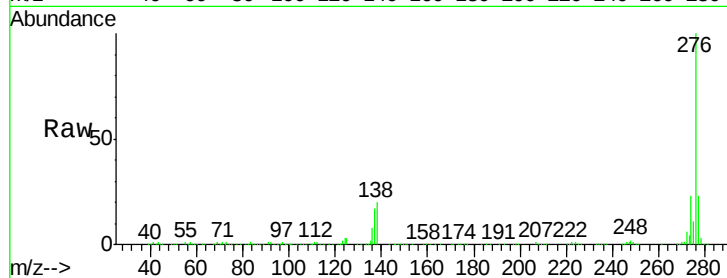
Tgt Ion: 276 Resp: 626379

Ion Ratio Lower Upper

276 100

277 23.1 19.2 28.8

138 20.0 16.0 24.0



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

