

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091966.D
 Acq On : 27 Dec 2016 14:31
 Operator : UM/SJ
 Sample : H6226-07MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MS

Quant Time: Dec 27 23:56:01 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	6.73	152	224349	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	931705	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	507816	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	790380	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	530455	20.00	ng	-0.01
86) Perylene-d12	15.29	264	415185	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1899379	141.36	ng	0.02
7) Phenol-d6	6.42	99	2397777	146.17	ng	0.01
23) Nitrobenzene-d5	7.31	82	1746311	104.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	621893	147.98	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2568336	106.96	ng	-0.01
78) Terphenyl-d14	12.84	244	2319110	106.03	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.32	88	311168	47.04	ng	99
3) Pyridine	2.99	79	875255	37.91	ng	100
4) n-Nitrosodimethylamine	2.96	42	381742	43.83	ng	95
6) Aniline	6.48	93	983188	46.14	ng	# 24
8) 2-Chlorophenol	6.53	128	819101	53.59	ng	98
9) Benzaldehyde	6.27	77	93249	7.57	ng	98
10) Phenol	6.43	94	1023122	54.73	ng	# 74
11) bis(2-Chloroethyl)ether	6.48	93	983188	66.10	ng	97
12) 1,3-Dichlorobenzene	6.67	146	833046	51.06	ng	# 94
13) 1,4-Dichlorobenzene	6.75	146	797586	48.03	ng	97
14) 1,2-Dichlorobenzene	6.90	146	643276	44.64	ng	96
15) Benzyl Alcohol	6.90	79	631376	49.53	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	1115958	50.38	ng	# 47
17) 2-Methylphenol	7.04	107	645008	52.47	ng	97
18) Hexachloroethane	7.24	117	300510	48.81	ng	92
19) n-Nitroso-di-n-propylamine	7.16	70	590619	54.12	ng	99
20) 3+4-Methylphenols	7.18	107	832469	56.78	ng	# 74
22) Acetophenone	7.15	105	1143563	49.76	ng	# 94
24) Nitrobenzene	7.32	77	872479	48.89	ng	99
25) Isophorone	7.57	82	1613776	52.20	ng	97
26) 2-Nitrophenol	7.64	139	445502	50.62	ng	97
27) 2,4-Dimethylphenol	7.70	122	673276	46.13	ng	98
28) bis(2-Chloroethoxy)methane	7.78	93	880346	46.96	ng	100
29) 2,4-Dichlorophenol	7.90	162	686012	55.50	ng	95
30) 1,2,4-Trichlorobenzene	7.96	180	652244	48.16	ng	# 95
31) Naphthalene	8.04	128	2054401	48.18	ng	100
32) Benzoic acid	7.86	122	441787	40.81	ng	98
33) 4-Chloroaniline	8.12	127	177721	9.24	ng	98
34) Hexachlorobutadiene	8.17	225	381047	53.30	ng	98
35) Caprolactam	8.50	113	119635	29.45	ng	# 75
36) 4-Chloro-3-methylphenol	8.61	107	684548	48.13	ng	100
37) 2-Methylnaphthalene	8.74	142	1550048	Below	Cal	98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	586003	45.67	ng	98
40) Hexachlorocyclopentadiene	8.89	237	531124	92.31	ng	96

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 Misc :
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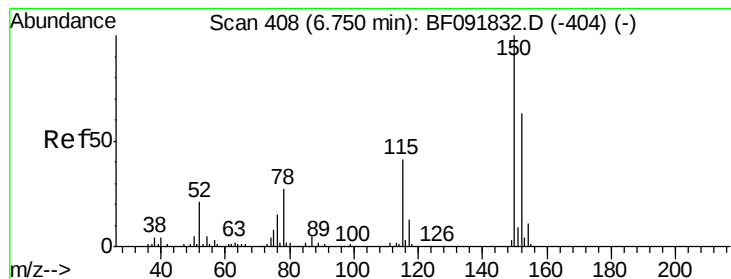
Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Dec 27 23:56:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.02	196	428841	47.79	ng	97
43) 2,4,5-Trichlorophenol	9.08	196	434592	47.06	ng #	92
45) 1,1'-Biphenyl	9.21	154	1873171	53.87	ng	98
46) 2-Chloronaphthalene	9.23	162	1408300	51.14	ng	98
47) 2-Nitroaniline	9.33	65	411619	41.98	ng	95
48) Acenaphthylene	9.64	152	2056433	48.56	ng	100
49) Dimethylphthalate	9.52	163	1664782	51.26	ng	99
50) 2,6-Dinitrotoluene	9.57	165	327737	46.10	ng #	68
51) Acenaphthene	9.81	154	1370458	47.73	ng	99
52) 3-Nitroaniline	9.74	138	155292	17.65	ng	89
53) 2,4-Dinitrophenol	9.86	184	428072	108.22	ng #	87
54) Dibenzofuran	9.98	168	1785441	46.05	ng	98
55) 4-Nitrophenol	9.95	139	554444	92.82	ng #	85
56) 2,4-Dinitrotoluene	9.97	165	445909	49.98	ng #	74
57) Fluorene	10.33	166	1485448	52.66	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	359286	49.19	ng #	96
59) Diethylphthalate	10.21	149	1629060	51.65	ng	98
60) 4-Chlorophenyl-phenylether	10.32	204	569238	46.09	ng	99
61) 4-Nitroaniline	10.36	138	221359	24.28	ng	99
62) Azobenzene	10.48	77	1688257	48.61	ng	99
64) 4,6-Dinitro-2-methylphenol	10.38	198	253236	52.99	ng #	43
65) n-Nitrosodiphenylamine	10.44	169	1092272	46.57	ng	99
66) 4-Bromophenyl-phenylether	10.81	248	431300	52.46	ng	94
67) Hexachlorobenzene	10.88	284	467866	53.24	ng #	90
68) Atrazine	10.97	200	57721	7.63	ng	97
69) Pentachlorophenol	11.07	266	441003	102.27	ng	97
70) Phenanthrene	11.29	178	2206909	51.49	ng	99
71) Anthracene	11.33	178	1879644	52.40	ng	100
72) Carbazole	11.49	167	1677822	50.04	ng	99
73) Di-n-butylphthalate	11.82	149	2157597	53.95	ng	100
74) Fluoranthene	12.46	202	1969153	53.06	ng	99
76) Benzidine	12.60	184	13800	Below Cal	ng #	64
77) Pyrene	12.69	202	1903246	48.90	ng	100
79) Butylbenzylphthalate	13.32	149	964152	54.47	ng	96
80) Benzo(a)anthracene	13.88	228	1545600	51.62	ng	99
81) 3,3'-Dichlorobenzidine	13.85	252	87947	7.75	ng #	97
82) Chrysene	13.93	228	1580014	52.61	ng	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	1147701	55.06	ng	100
84) Di-n-octyl phthalate	14.50	149	2179785	56.45	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	1482341	56.97	ng	99
87) Benzo(b)fluoranthene	14.93	252	2979424	115.26	ng #	95
88) Benzo(k)fluoranthene	14.93	252	2980716	135.23	ng #	95
89) Benzo(a)pyrene	15.23	252	1351520	58.91	ng	98
90) Dibenzo(a,h)anthracene	16.65	278	1207313	64.02	ng	98
91) Benzo(g,h,i)perylene	17.04	276	1276527	65.10	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MS

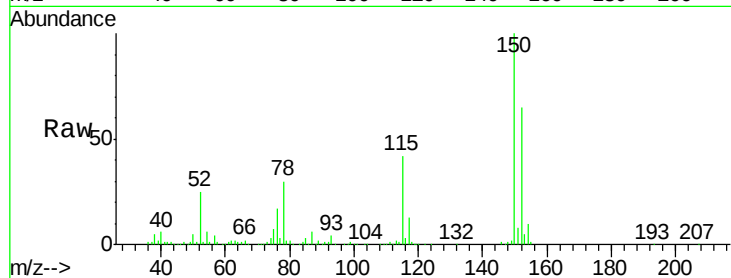
Tgt Ion:152 Resp: 224349

Ion Ratio Lower Upper

152 100

150 153.8 124.9 187.3

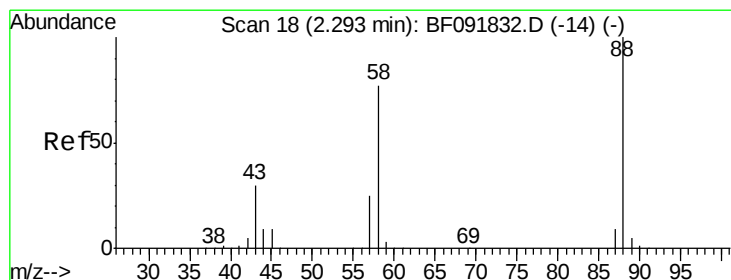
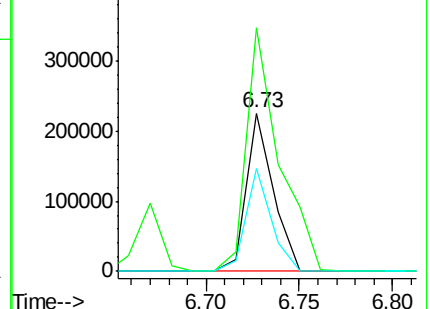
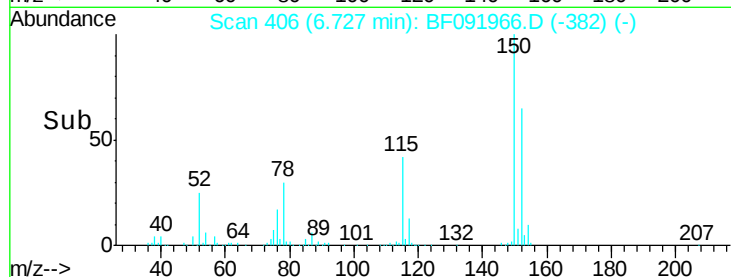
115 65.3 46.0 69.0



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: 47.04 ng

RT: 2.32 min Scan# 20

Delta R.T. 0.02 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

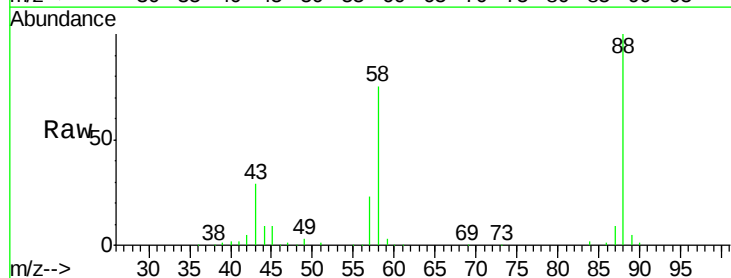
Tgt Ion: 88 Resp: 311168

Ion Ratio Lower Upper

88 100

58 73.2 57.8 86.8

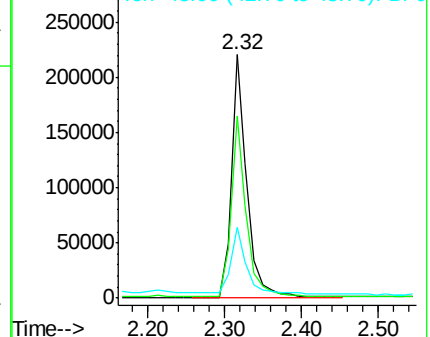
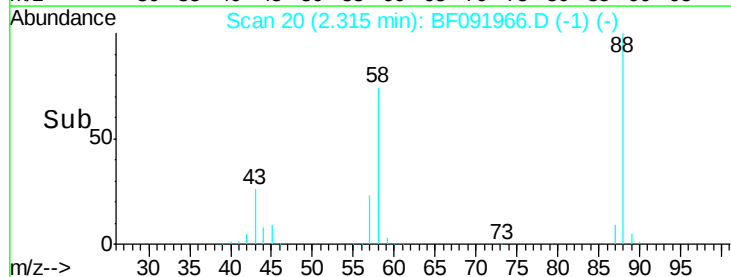
43 29.1 22.3 33.5

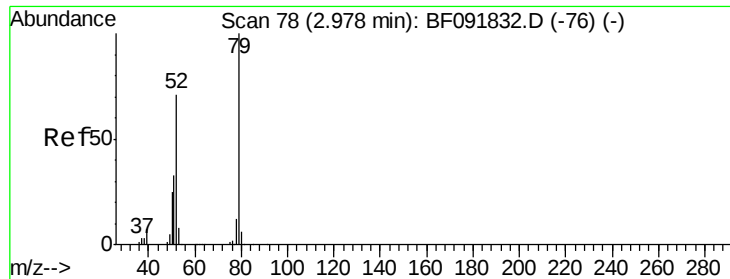


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.91 ng

RT: 2.99 min Scan# 79

Delta R.T. 0.01 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MS

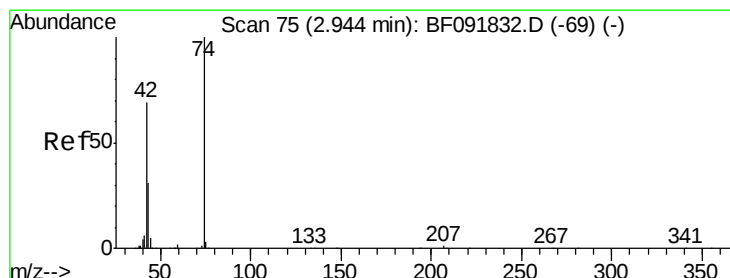
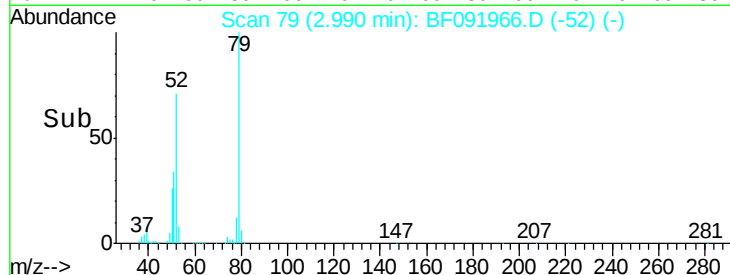
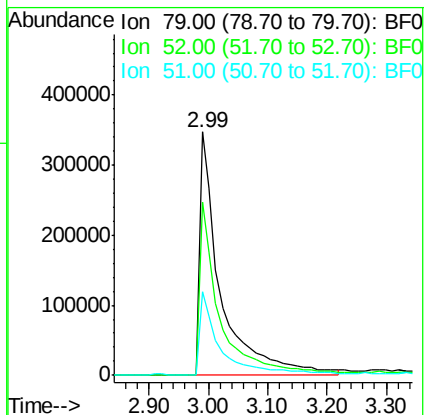
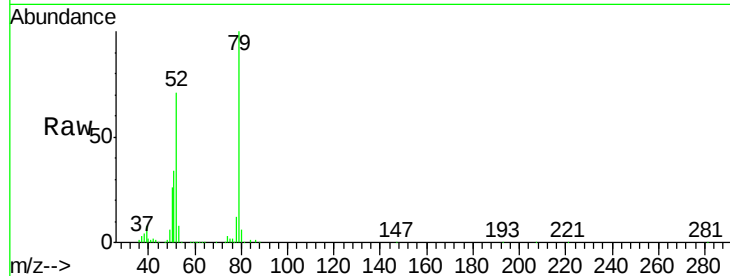
Tgt Ion: 79 Resp: 875255

Ion Ratio Lower Upper

79 100

52 70.9 57.1 85.7

51 34.2 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 43.83 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.01 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

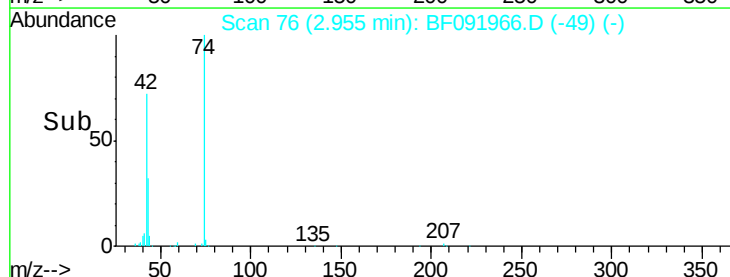
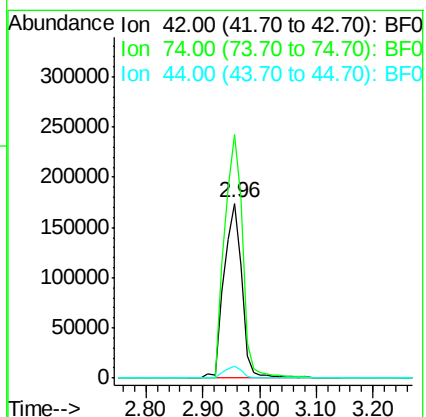
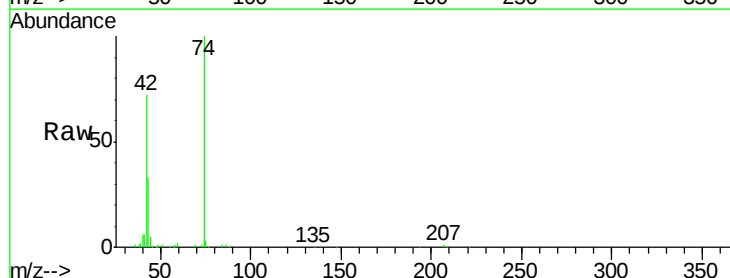
Tgt Ion: 42 Resp: 381742

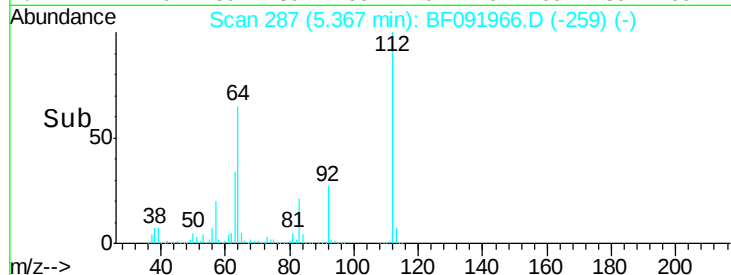
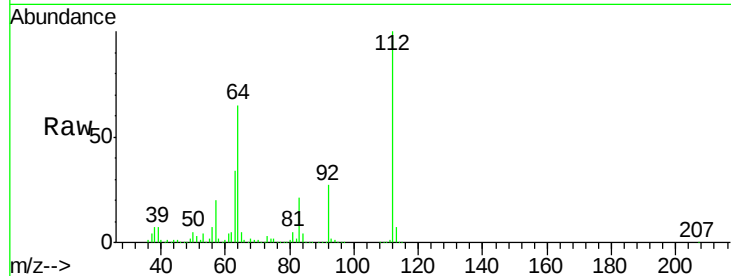
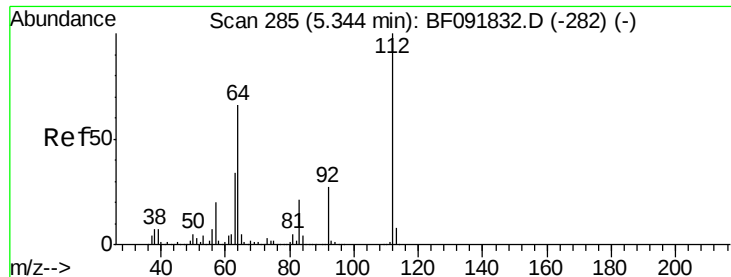
Ion Ratio Lower Upper

42 100

74 139.5 117.0 175.4

44 7.2 5.5 8.3





#5

2-Fluorophenol

Concen: 141.36 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MS

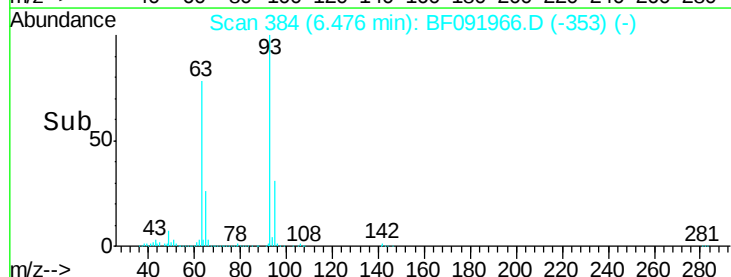
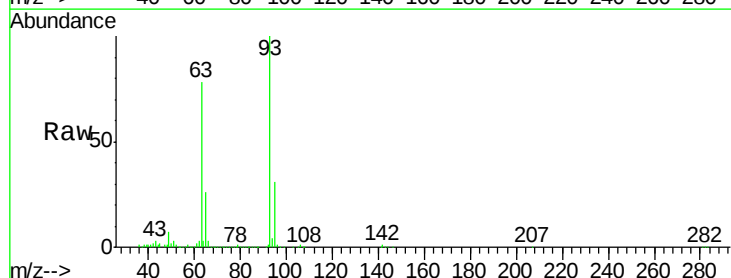
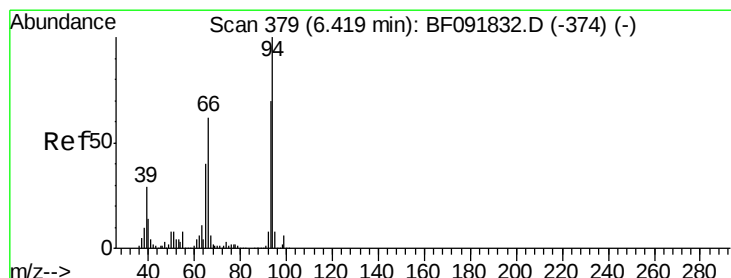
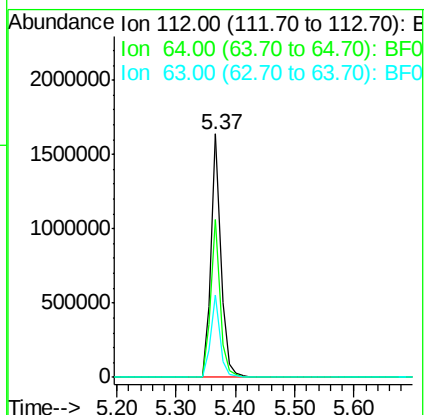
Tgt Ion:112 Resp: 1899379

Ion Ratio Lower Upper

112 100

64 65.0 46.1 69.1

63 34.0 23.8 35.6



#6

Aniline

Concen: 46.14 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.06 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

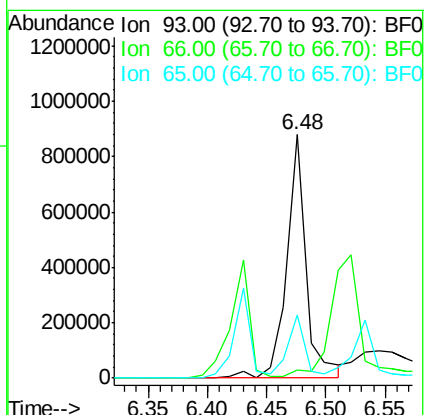
Tgt Ion: 93 Resp: 983188

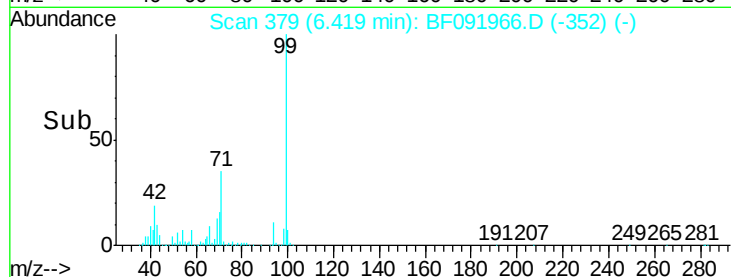
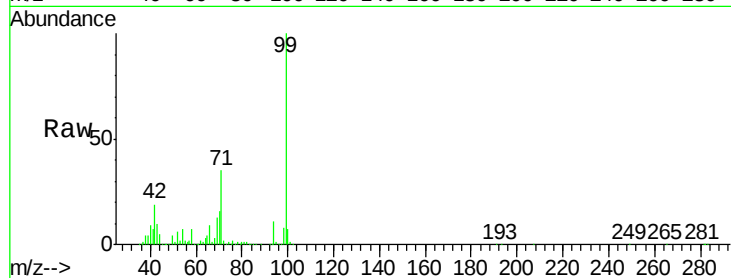
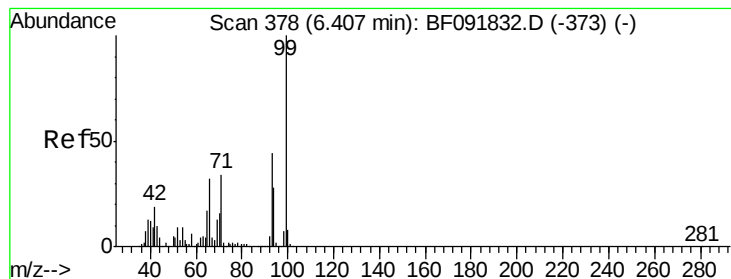
Ion Ratio Lower Upper

93 100

66 3.1 76.2 114.2#

65 26.0 49.3 73.9#





#7

Phenol-d6

Concen: 146.17 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

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ClientSampleId :

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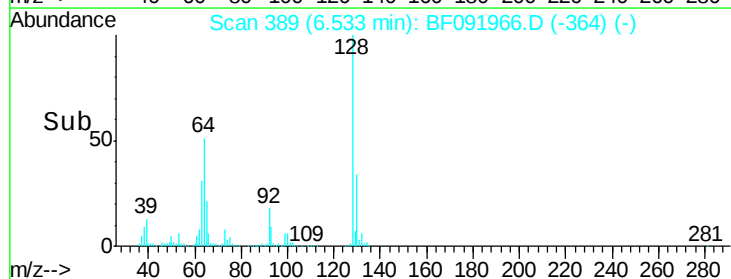
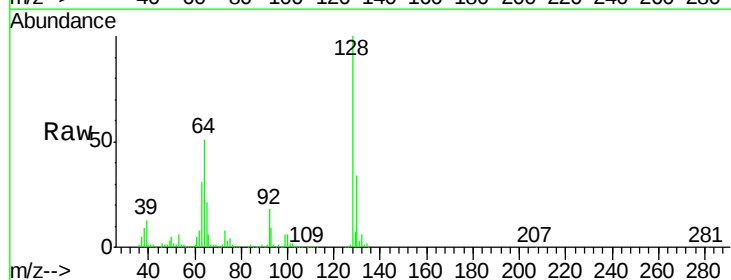
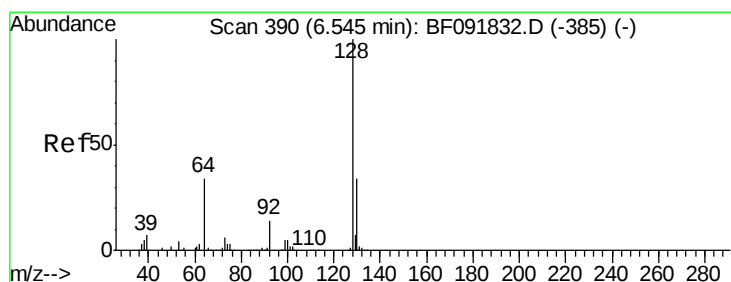
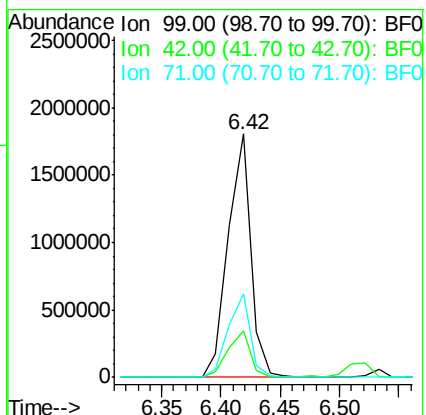
Tgt Ion: 99 Resp: 2397777

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

71 34.6 27.5 41.3



#8

2-Chlorophenol

Concen: 53.59 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

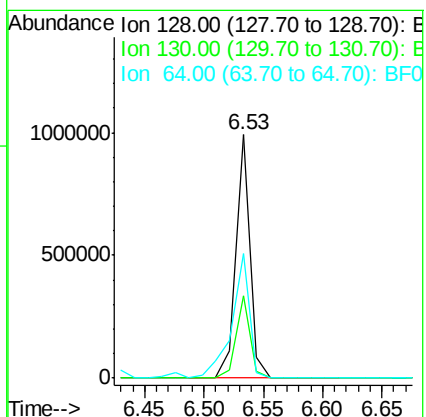
Tgt Ion: 128 Resp: 819101

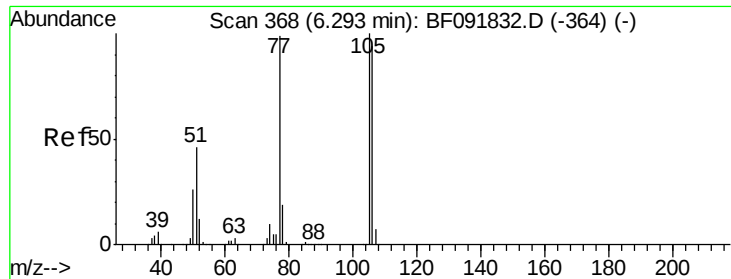
Ion Ratio Lower Upper

128 100

130 33.8 12.3 52.3

64 51.1 32.2 72.2





#9

Benzaldehyde

Concen: 7.57 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MS

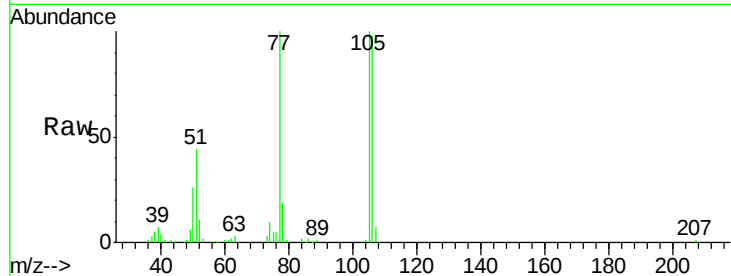
Tgt Ion: 77 Resp: 93249

Ion Ratio Lower Upper

77 100

105 99.7 83.9 123.9

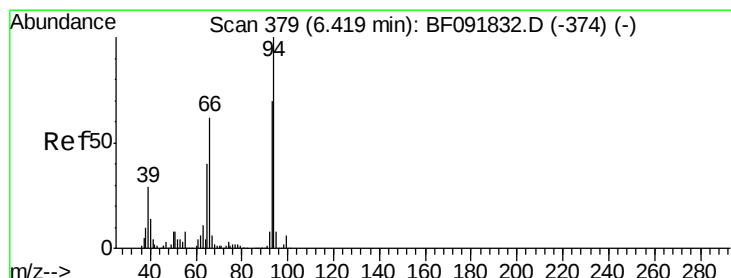
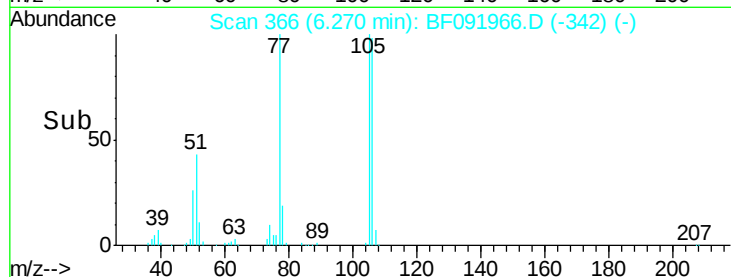
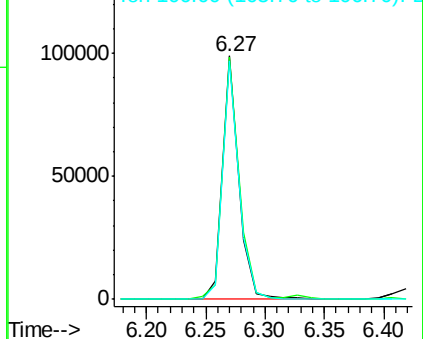
106 97.9 77.6 117.6



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: 54.73 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF091966.D

Acq: 27 Dec 2016 14:31

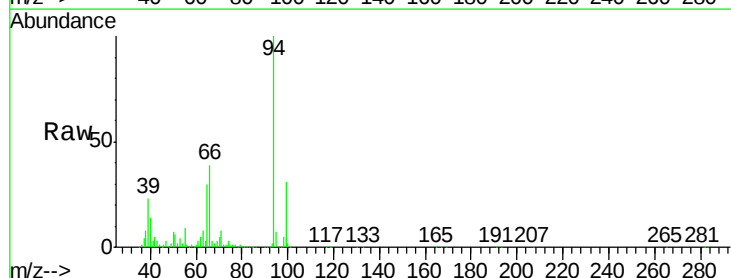
Tgt Ion: 94 Resp: 1023122

Ion Ratio Lower Upper

94 100

65 29.8 21.4 61.4

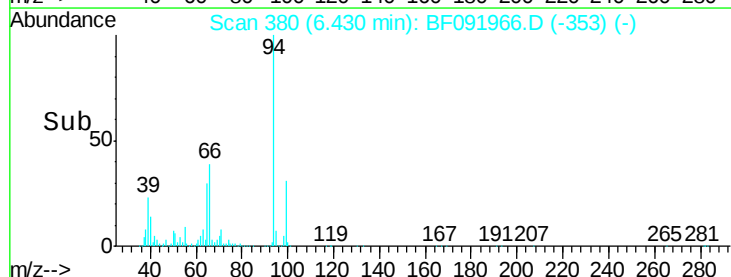
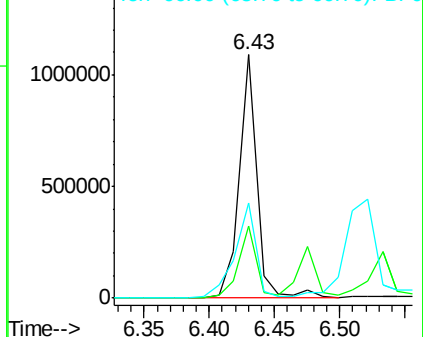
66 39.3 44.0 84.0#

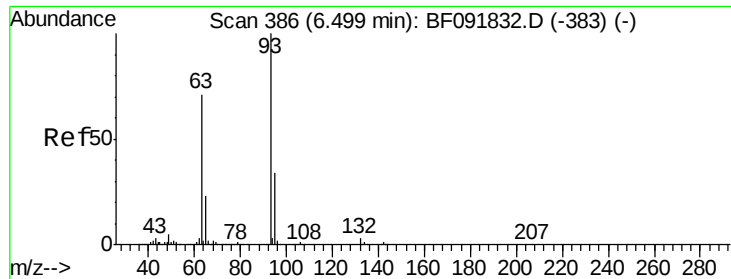


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

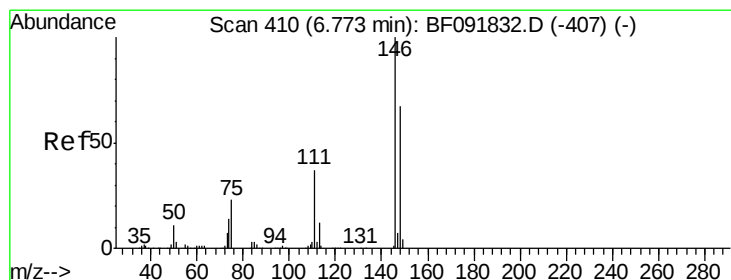
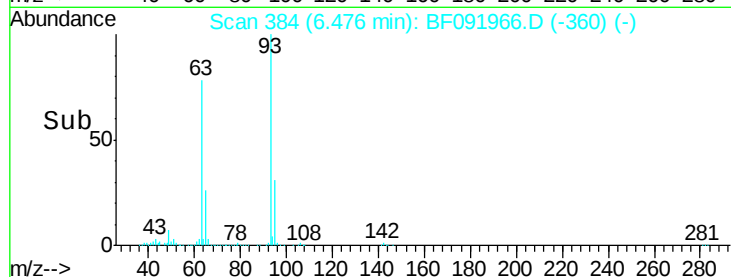
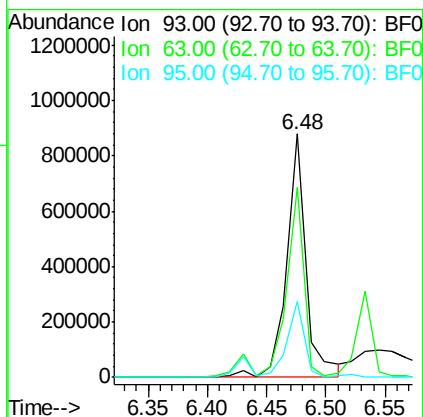
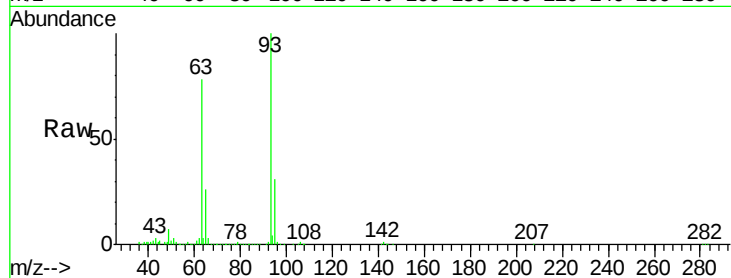




#11
 bis(2-Chloroethyl)ether
 Concen: 66.10 ng
 RT: 6.48 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: BF091966.D
 Acq: 27 Dec 2016 14:31

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MS

Tgt Ion: 93 Resp: 983188
 Ion Ratio Lower Upper
 93 100
 63 77.8 60.4 100.4
 95 31.1 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 51.06 ng
 RT: 6.67 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BF091966.D
 Acq: 27 Dec 2016 14:31

Tgt Ion: 146 Resp: 833046
 Ion Ratio Lower Upper
 146 100
 148 64.8 53.4 80.0
 75 31.5 18.5 27.7#

