

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086682.D
 Acq On : 4 May 2016 17:48
 Operator : UM/SJ
 Sample : H2685-12MS 4X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-5(10-20FTBGS)MS

Quant Time: May 05 00:56:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	165485	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	672890	40.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	300360	40.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	510584	40.00	ng	0.00
75) Chrysene-d12	13.88	240	367473	40.00	ng	0.00
86) Perylene-d12	15.28	264	356061	40.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	394345	39.45	ng	-0.01
7) Phenol-d6	6.37	99	557331	41.39	ng	0.00
23) Nitrobenzene-d5	7.30	82	345250	26.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	105821	36.02	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	524549	28.63	ng	0.00
78) Terphenyl-d14	12.83	244	344175	18.93	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.27	88	39681	7.68	ng	# 63
3) Pyridine	2.98	79	90936	7.18	ng	# 77
4) n-Nitrosodimethylamine	2.89	42	63608	8.28	ng	# 52
6) Aniline	6.40	93	74891	4.51	ng	# 78
8) 2-Chlorophenol	6.51	128	126508	10.55	ng	# 74
9) Benzaldehyde	6.28	77	18915	2.82	ng	90
10) Phenol	6.38	94	169166	11.48	ng	88
11) bis(2-Chloroethyl)ether	6.48	93	131475	10.37	ng	99
12) 1,3-Dichlorobenzene	6.67	146	130921	10.28	ng	# 92
13) 1,4-Dichlorobenzene	6.75	146	136734	10.38	ng	94
14) 1,2-Dichlorobenzene	6.90	146	132254	11.53	ng	95
15) Benzyl Alcohol	6.88	79	100260	11.51	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	7.02	45	278093	10.73	ng	88
17) 2-Methylphenol	7.00	107	102649	10.63	ng	96
18) Hexachloroethane	7.24	117	48001	9.65	ng	# 90
19) n-Nitroso-di-n-propylamine	7.15	70	105150	11.43	ng	# 71
20) 3+4-Methylphenols	7.15	107	127766	11.30	ng	# 80
22) Acetophenone	7.15	105	177749	11.34	ng	# 92
24) Nitrobenzene	7.32	77	136382	10.07	ng	93
25) Isophorone	7.56	82	260800	10.69	ng	96
26) 2-Nitrophenol	7.64	139	62158	10.29	ng	95
27) 2,4-Dimethylphenol	7.69	122	122643	11.56	ng	95
28) bis(2-Chloroethoxy)methane	7.78	93	161358	12.02	ng	98
29) 2,4-Dichlorophenol	7.88	162	95687	10.49	ng	96
30) 1,2,4-Trichlorobenzene	7.96	180	105864	10.41	ng	95
31) Naphthalene	8.04	128	391050	11.37	ng	99
32) Benzoic acid	7.69	122	122643	32.86	ng	# 18
33) 4-Chloroaniline	8.10	127	72105	5.41	ng	# 94
34) Hexachlorobutadiene	8.17	225	60615	10.49	ng	99
35) Caprolactam	8.43	113	27329	9.68	ng	# 43
36) 4-Chloro-3-methylphenol	8.58	107	108342	10.41	ng	91
37) 2-Methylnaphthalene	8.74	142	226046	11.14	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	96833	11.14	ng	99
40) Hexachlorocyclopentadiene	8.89	237	15690	9.77	ng	96

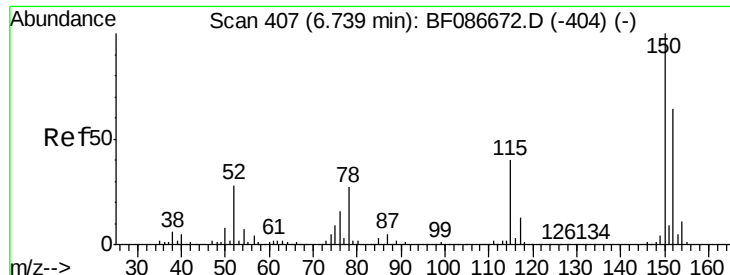
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	59111	10.69	ng	96
43) 2,4,5-Trichlorophenol	9.06	196	64185	11.11	ng	97
45) 1,1'-Biphenyl	9.20	154	289755	11.80	ng	96
46) 2-Chloronaphthalene	9.22	162	211683	11.17	ng	93
47) 2-Nitroaniline	9.32	65	68363	10.15	ng	92
48) Acenaphthylene	9.63	152	331281	11.78	ng	98
49) Dimethylphthalate	9.50	163	333198	14.88	ng	98
50) 2,6-Dinitrotoluene	9.56	165	53344	11.10	ng	95
51) Acenaphthene	9.80	154	212384	11.45	ng	98
52) 3-Nitroaniline	9.73	138	42346	7.75	ng	97
53) 2,4-Dinitrophenol	9.84	184	10150	16.74	ng	# 41
54) Dibenzofuran	9.97	168	281426	12.24	ng	95
55) 4-Nitrophenol	9.90	139	41834	13.14	ng	# 71
56) 2,4-Dinitrotoluene	9.96	165	64696	10.86	ng	94
57) Fluorene	10.32	166	221705	11.89	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.10	232	50850	11.99	ng	97
59) Diethylphthalate	10.20	149	239508	11.30	ng	95
60) 4-Chlorophenyl-phenylether	10.32	204	103272	11.65	ng	# 87
61) 4-Nitroaniline	10.34	138	42290	8.06	ng	79
62) Azobenzene	10.48	77	254017	10.82	ng	89
64) 4,6-Dinitro-2-methylphenol	10.37	198	12601	10.60	ng	80
65) n-Nitrosodiphenylamine	10.43	169	187217	11.55	ng	100
66) 4-Bromophenyl-phenylether	10.81	248	54675	10.78	ng	# 80
67) Hexachlorobenzene	10.86	284	65277	10.55	ng	# 87
68) Atrazine	10.96	200	54100	10.89	ng	93
69) Pentachlorophenol	11.06	266	49850	21.21	ng	96
70) Phenanthrene	11.28	178	297429	10.84	ng	99
71) Anthracene	11.32	178	303351	10.56	ng	99
72) Carbazole	11.48	167	252362	10.12	ng	99
73) Di-n-butylphthalate	11.82	149	329756	11.14	ng	99
74) Fluoranthene	12.45	202	268068	9.75	ng	98
76) Benzidine	12.64	184	7364	7.72	ng	# 8
77) Pyrene	12.68	202	274072	9.36	ng	99
79) Butylbenzylphthalate	13.31	149	104329	8.50	ng	# 69
80) Benzo(a)anthracene	13.87	228	213130	10.26	ng	99
81) 3,3'-Dichlorobenzidine	13.84	252	43581	3.34	ng	96
82) Chrysene	13.91	228	214682	9.68	ng	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	136084	9.58	ng	# 99
84) Di-n-octyl phthalate	14.49	149	254877	12.20	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.59	276	201730	10.60	ng	92
87) Benzo(b)fluoranthene	14.91	252	446309	20.86	ng	# 95
88) Benzo(k)fluoranthene	14.91	252	446309	22.14	ng	98
89) Benzo(a)pyrene	15.22	252	213836	10.85	ng	97
90) Dibenzo(a,h)anthracene	16.60	278	163617	8.64	ng	99
91) Benzo(g,h,i)perylene	16.98	276	158117	7.96	ng	99

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

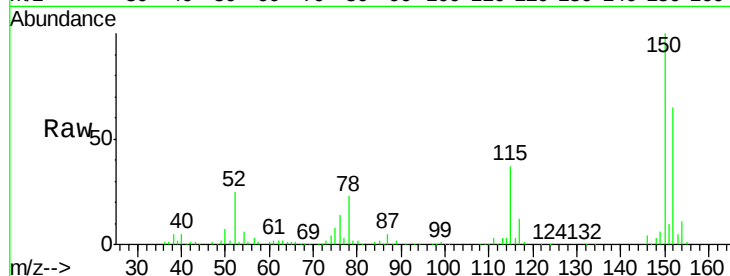


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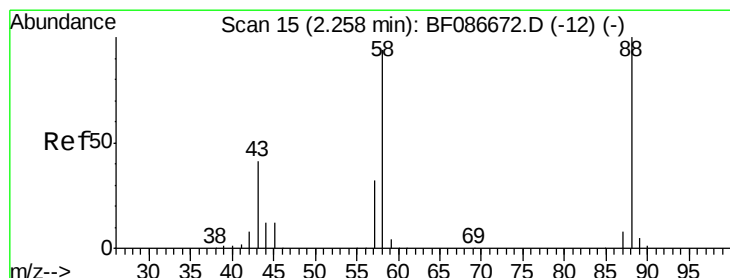
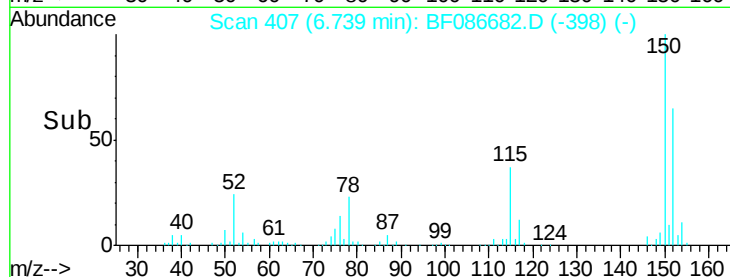
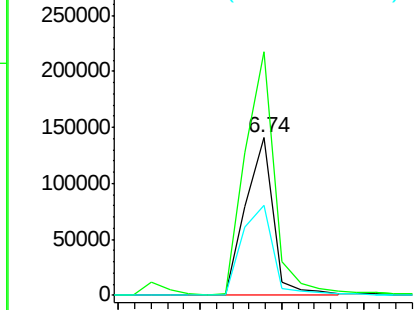
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086682.D
Acq: 4 May 2016 17:48

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-5(10-20FTBGS)MS

Tgt Ion: 152 Resp: 165485
Ion Ratio Lower Upper
152 100
150 154.6 125.8 188.6
115 56.9 51.5 77.3



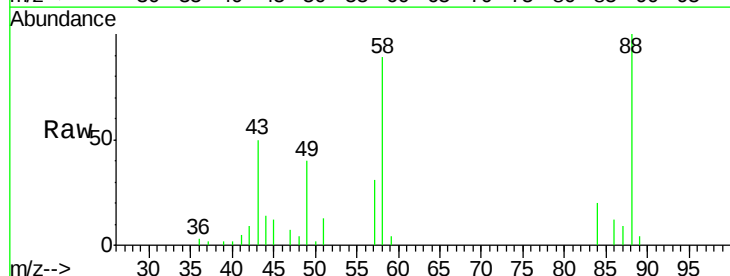
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



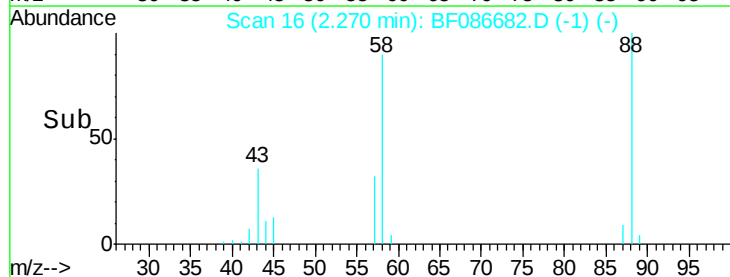
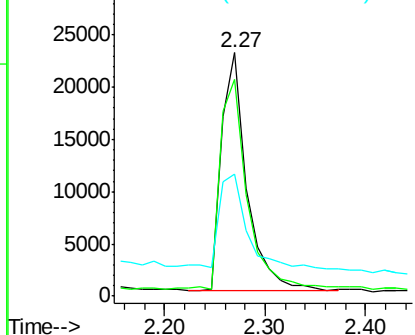
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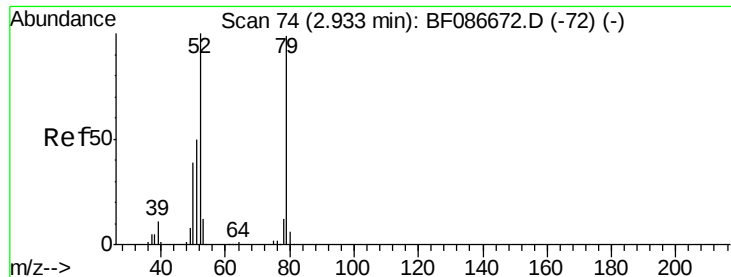
1,4-Dioxane
Concen: 7.68 ng
RT: 2.27 min Scan# 16
Delta R.T. 0.01 min
Lab File: BF086682.D
Acq: 4 May 2016 17:48

Tgt Ion: 88 Resp: 39681
Ion Ratio Lower Upper
88 100
58 98.5 59.6 89.4#
43 58.3 21.8 32.6#



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





#3

Pyridine

Concen: 7.18 ng

RT: 2.98 min Scan# 78

Delta R.T. 0.05 min

Lab File: BF086682.D

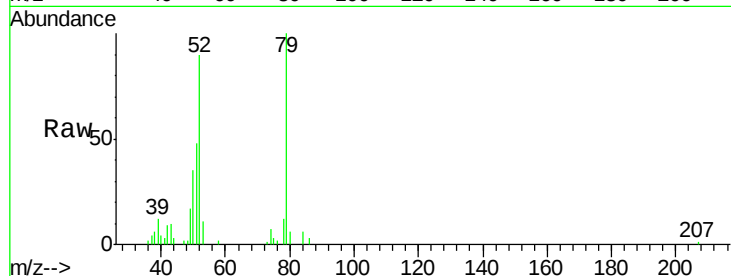
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Instrument :

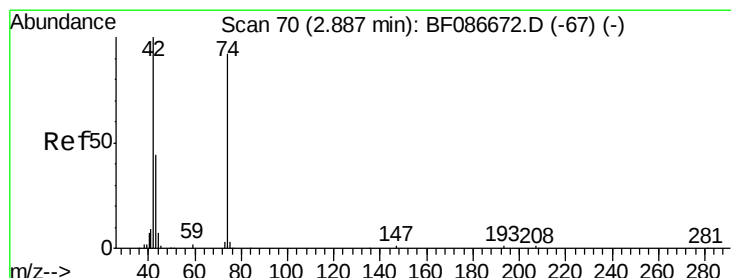
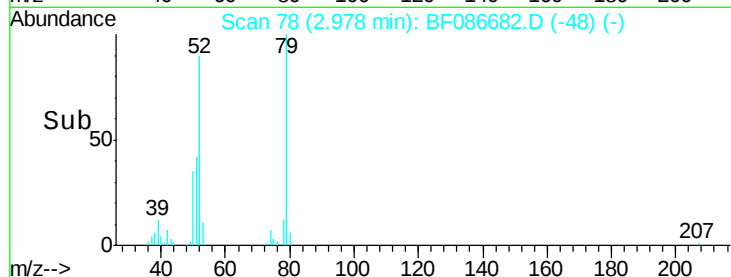
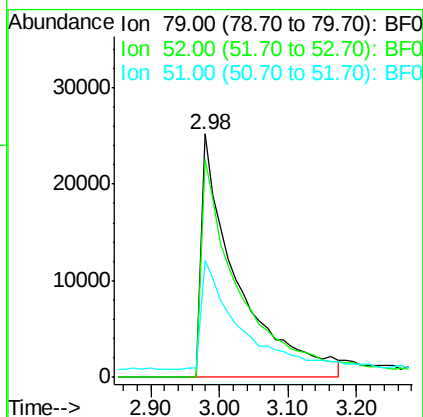
BNA_F

ClientSampleId :

26WARD-2B-CS-5(10-20FTBGS)MS



Tgt Ion:	79	Resp:	90936
Ion	Ratio	Lower	Upper
79	100		
52	89.6	55.9	83.9#
51	47.8	28.1	42.1#



#4

n-Nitrosodimethylamine

Concen: 8.28 ng

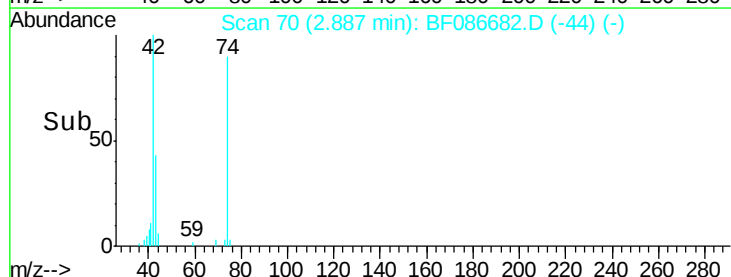
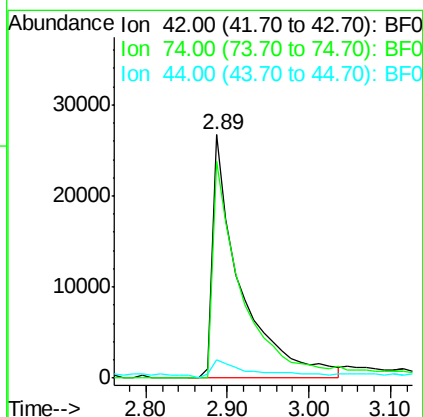
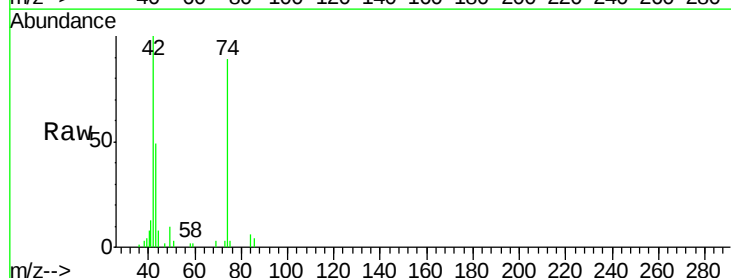
RT: 2.89 min Scan# 70

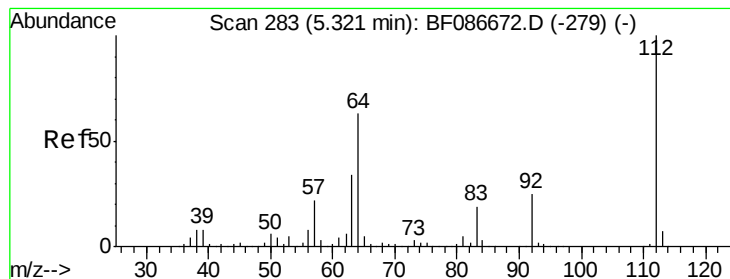
Delta R.T. 0.00 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

Tgt Ion:	42	Resp:	63608
Ion	Ratio	Lower	Upper
42	100		
74	89.0	123.4	185.0#
44	7.7	5.8	8.6





#5

2-Fluorophenol

Concen: 39.45 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-5(10-20FTBGS)MS

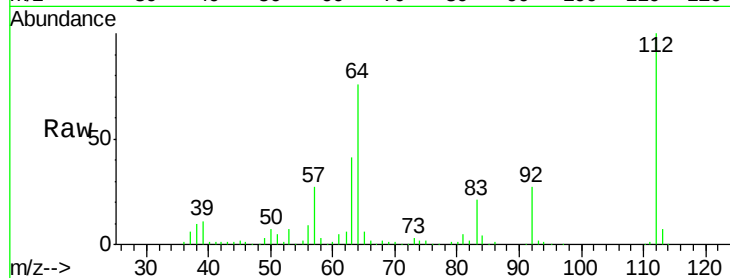
Tgt Ion: 112 Resp: 394345

Ion Ratio Lower Upper

112 100

64 75.7 52.1 78.1

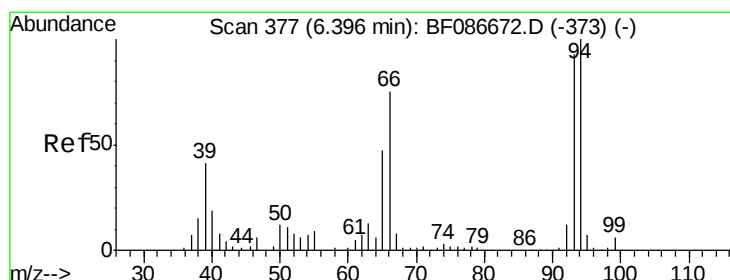
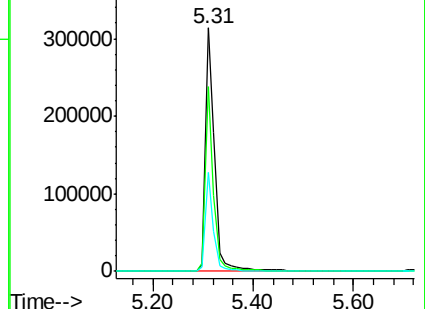
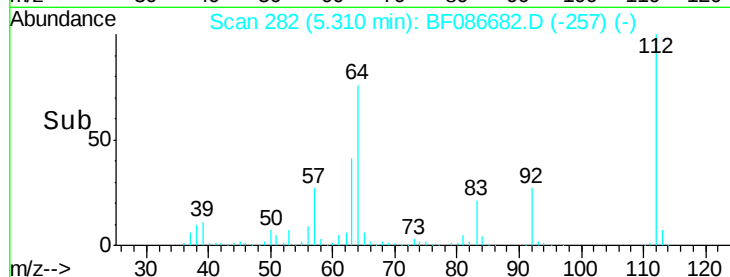
63 40.8 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 4.51 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

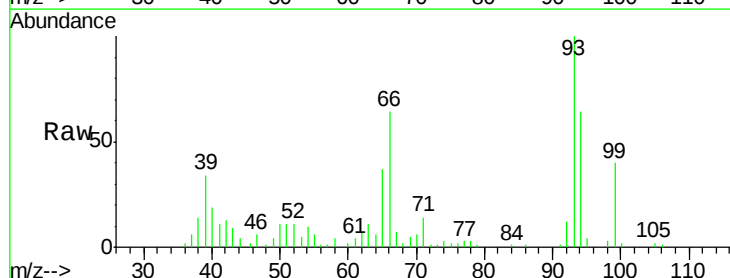
Tgt Ion: 93 Resp: 74891

Ion Ratio Lower Upper

93 100

66 63.6 39.0 58.6#

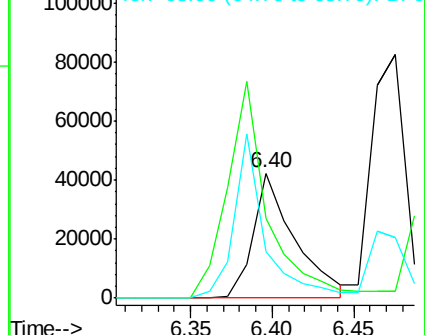
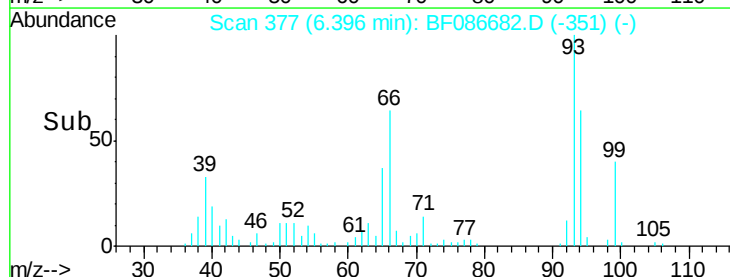
65 37.3 20.6 31.0#

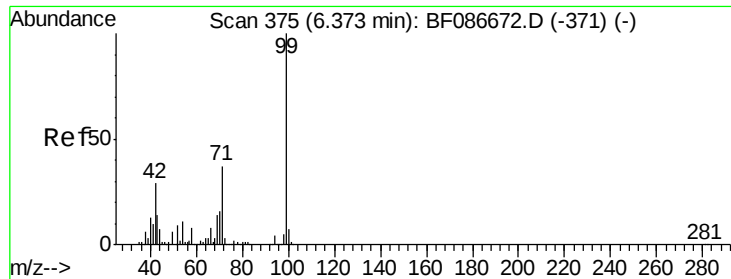


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 41.39 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086682.D

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ClientSampleId :

26WARD-2B-CS-5(10-20FTBGS)MS

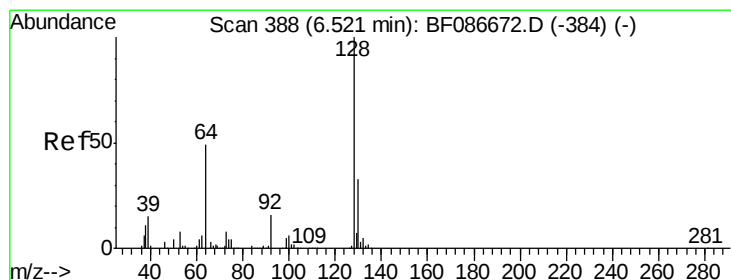
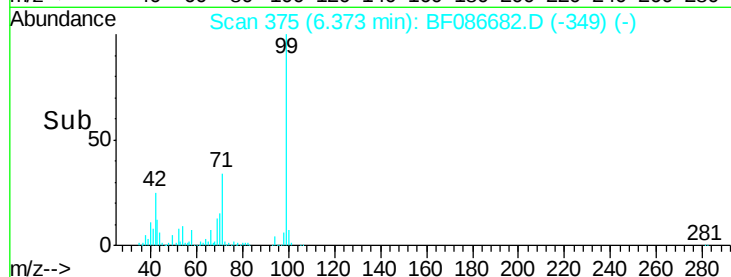
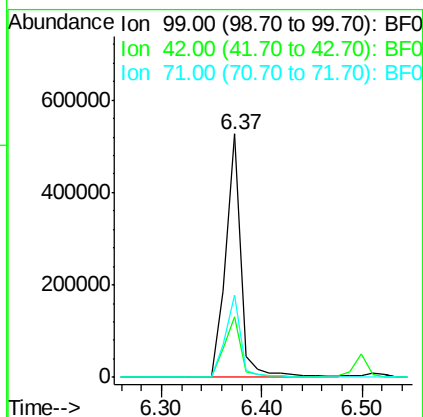
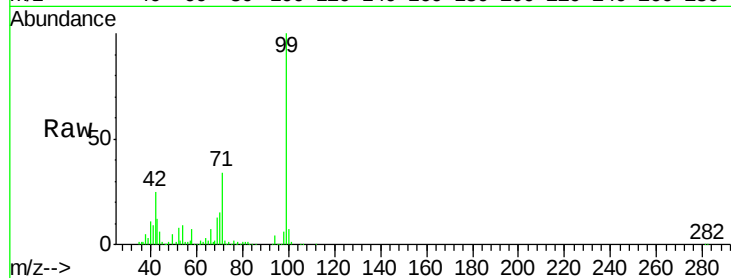
Tgt Ion: 99 Resp: 557331

Ion Ratio Lower Upper

99 100

42 25.1 13.6 20.4#

71 33.7 24.6 36.8



#8

2-Chlorophenol

Concen: 10.55 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

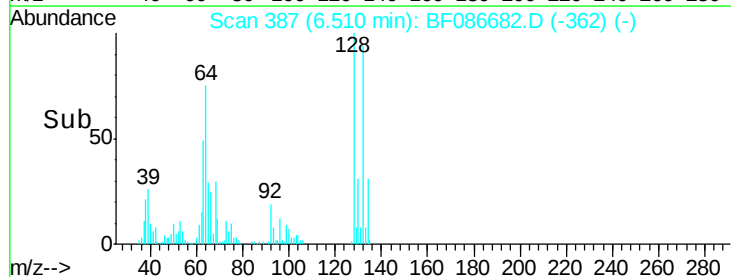
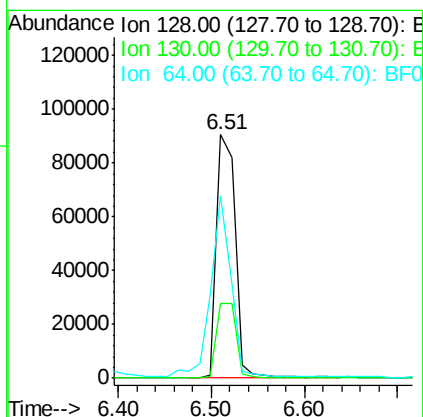
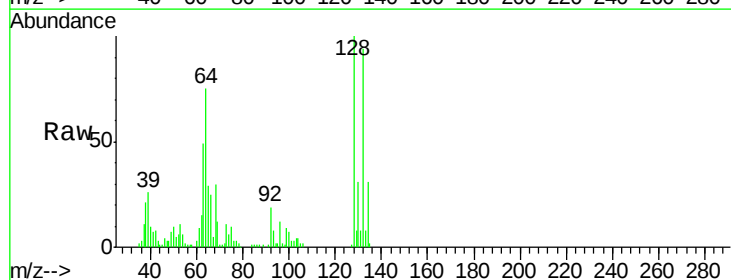
Tgt Ion: 128 Resp: 126508

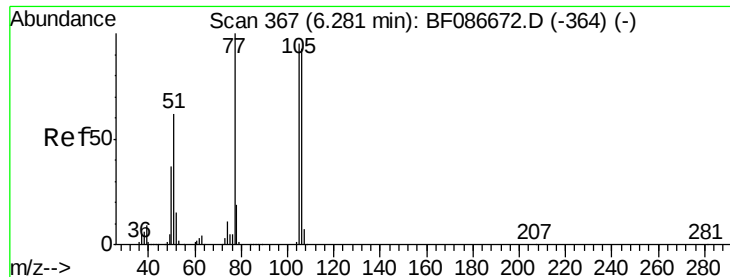
Ion Ratio Lower Upper

128 100

130 30.7 12.5 52.5

64 74.6 27.3 67.3#





#9

Benzaldehyde

Concen: 2.82 ng

RT: 6.28 min Scan# 367

Delta R.T. 0.00 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

Instrument :

BNA_F

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26WARD-2B-CS-5(10-20FTBGS)MS

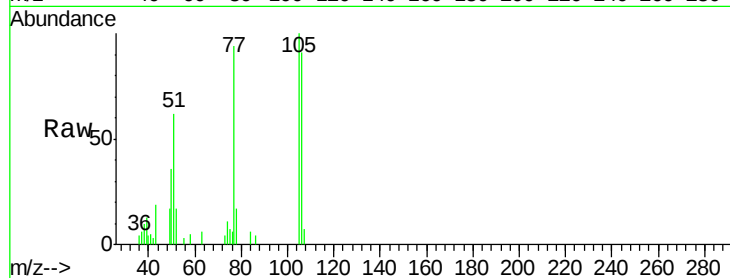
Tgt Ion: 77 Resp: 18915

Ion Ratio Lower Upper

77 100

105 106.0 72.7 112.7

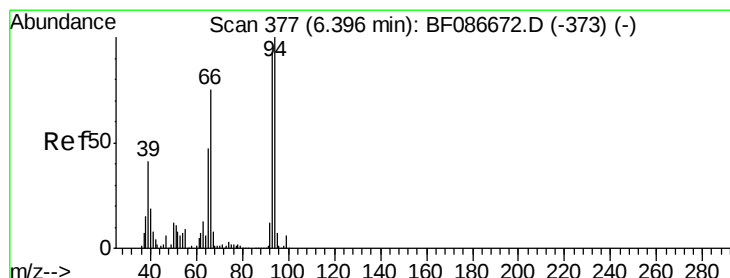
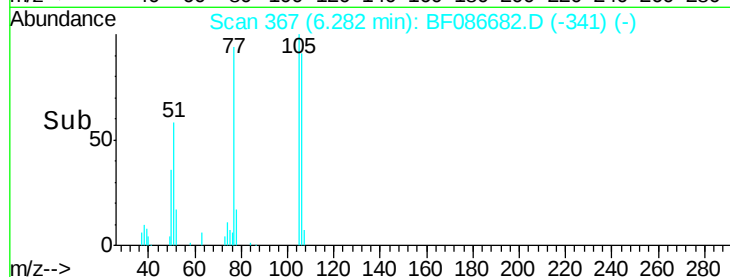
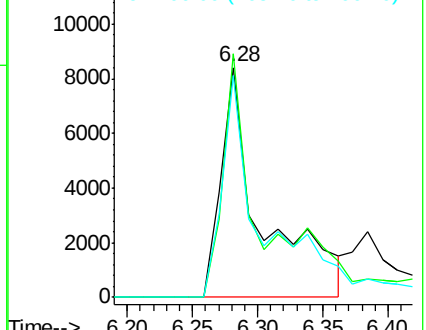
106 96.4 70.8 110.8



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: 11.48 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF086682.D

Acq: 4 May 2016 17:48

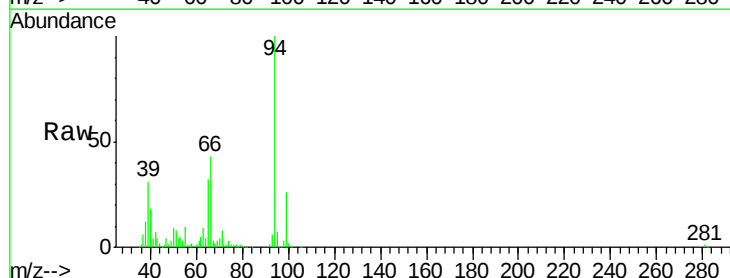
Tgt Ion: 94 Resp: 169166

Ion Ratio Lower Upper

94 100

65 32.1 7.2 47.2

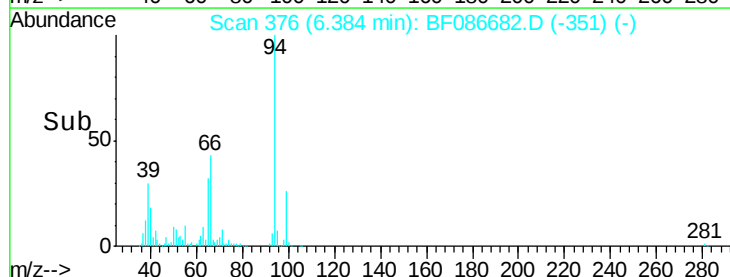
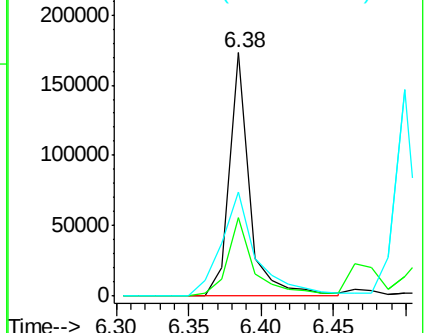
66 42.6 14.9 54.9

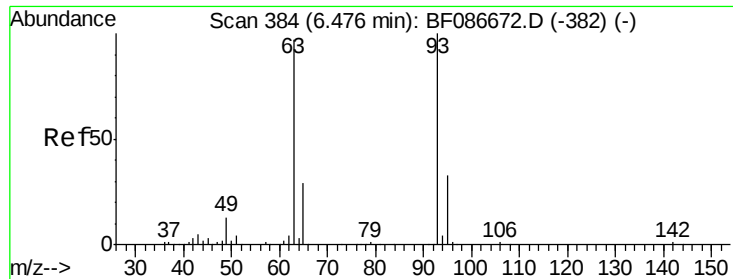


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

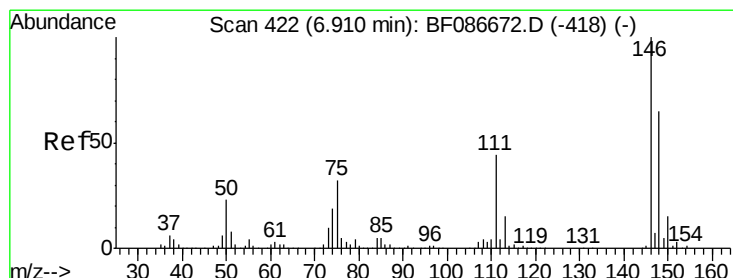
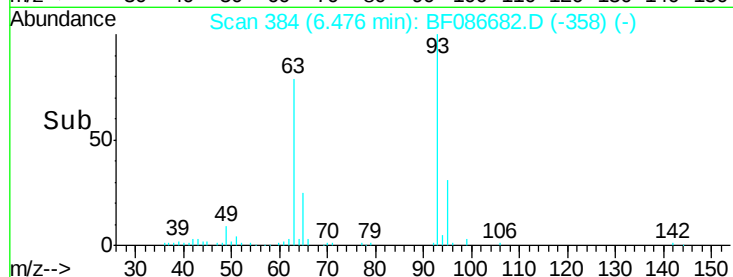
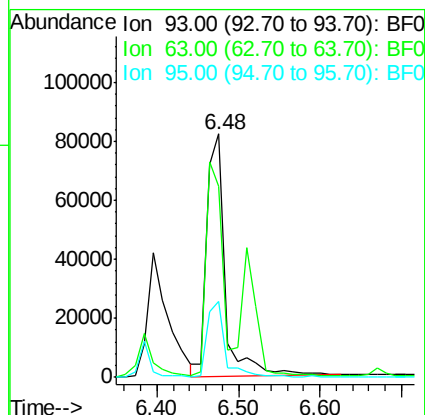
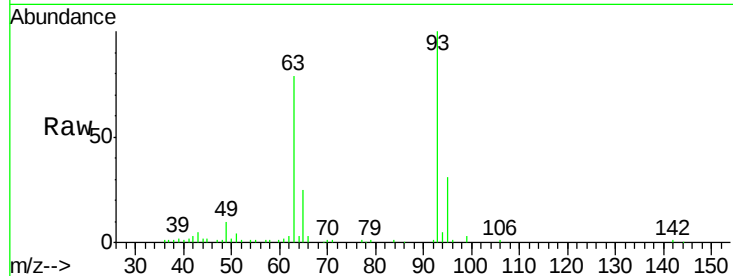




#11
 bis(2-Chloroethyl)ether
 Concen: 10.37 ng
 RT: 6.48 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: BF086682.D
 Acq: 4 May 2016 17:48

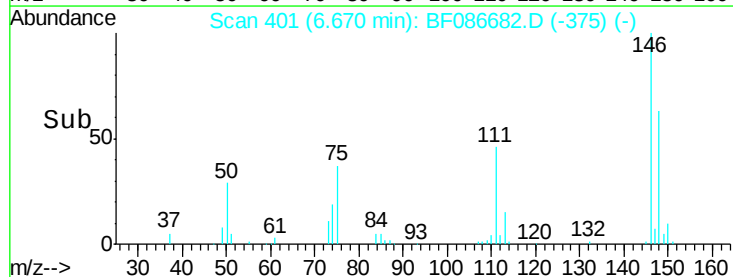
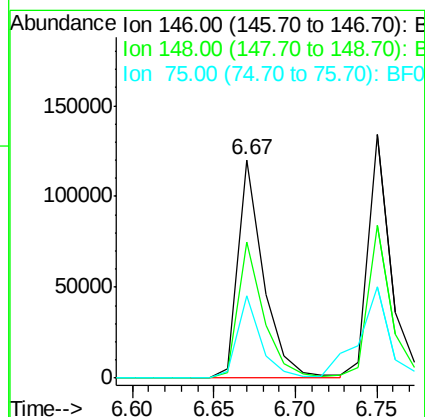
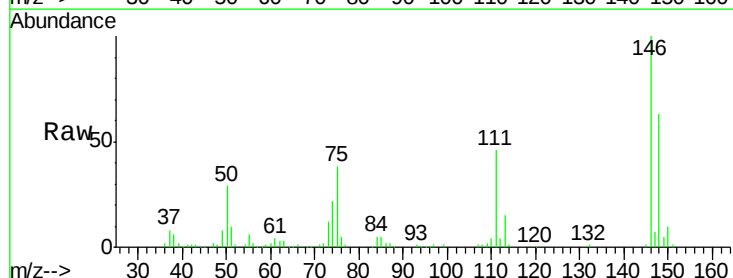
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-5(10-20FTBGS)MS

Tgt Ion: 93 Resp: 131475
 Ion Ratio Lower Upper
 93 100
 63 78.7 58.0 98.0
 95 31.4 11.9 51.9



#12
 1,3-Dichlorobenzene
 Concen: 10.28 ng
 RT: 6.67 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BF086682.D
 Acq: 4 May 2016 17:48

Tgt Ion: 146 Resp: 130921
 Ion Ratio Lower Upper
 146 100
 148 62.6 52.4 78.6
 75 37.5 22.8 34.2#

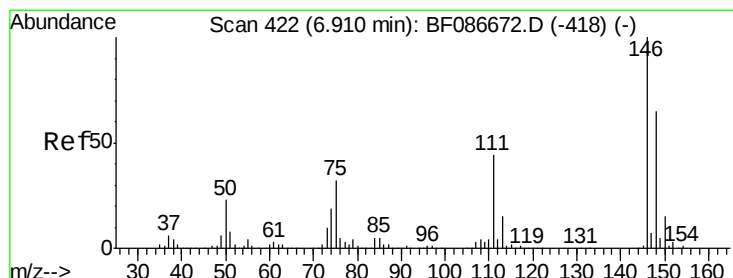
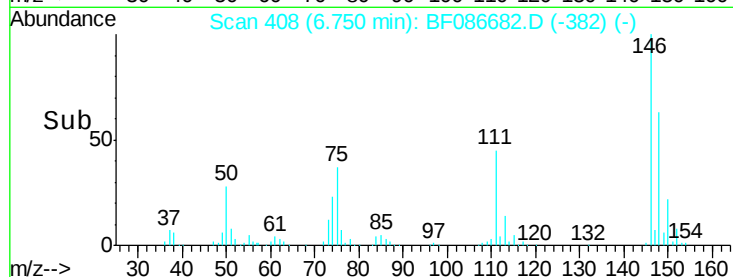
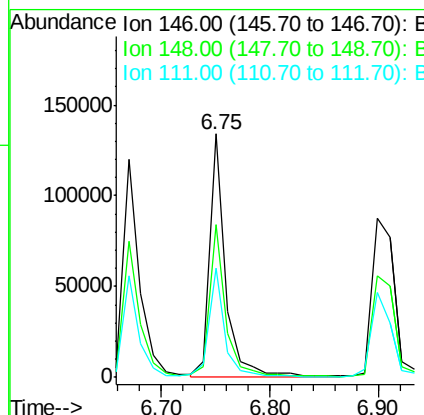
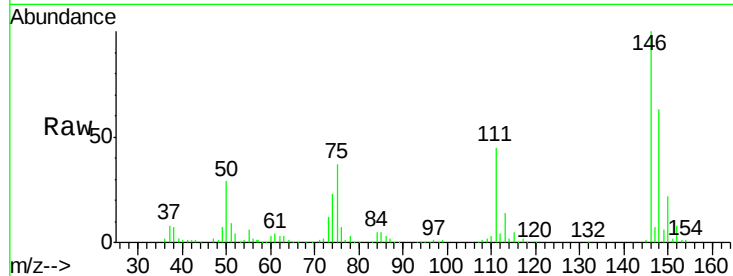




#13
 1,4-Dichlorobenzene
 Concen: 10.38 ng
 RT: 6.75 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: BF086682.D
 Acq: 4 May 2016 17:48

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-5(10-20FTBGS)MS

Tgt Ion:146 Resp: 136734
 Ion Ratio Lower Upper
 146 100
 148 62.8 52.2 78.4
 111 44.8 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 11.53 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: BF086682.D
 Acq: 4 May 2016 17:48

Tgt Ion:146 Resp: 132254
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.0 76.6
 111 53.5 36.2 54.4

