

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089283.D
 Acq On : 25 Jul 2016 17:10
 Operator : UM/SJ
 Sample : H4129-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Quant Time: Jul 26 00:56:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	55318	20.00	ng	0.00
21) Naphthalene-d8	7.85	136	223498	20.00	ng	0.00
38) Acenaphthene-d10	9.60	164	97726	20.00	ng	0.00
63) Phenanthrene-d10	11.07	188	150721	20.00	ng	0.00
75) Chrysene-d12	13.69	240	103667	20.00	ng	0.00
86) Perylene-d12	15.03	264	93023	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.15	112	434630	119.49	ng	0.01
7) Phenol-d6	6.24	99	593694	126.57	ng	0.01
23) Nitrobenzene-d5	7.14	82	350482	83.32	ng	0.00
41) 2,4,6-Tribromophenol	10.39	330	94084	106.93	ng	0.00
44) 2-Fluorobiphenyl	8.94	172	605169	85.32	ng	0.00
78) Terphenyl-d14	12.65	244	403157	84.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.06	88	58096	36.79	ng	# 89
3) Pyridine	2.66	79	148217	36.94	ng	98
4) n-Nitrosodimethylamine	2.64	42	67330	39.87	ng	100
6) Aniline	6.23	93	156107	24.63	ng	94
8) 2-Chlorophenol	6.35	128	180121	44.63	ng	88
9) Benzaldehyde	6.10	77	37132	12.63	ng	91
10) Phenol	6.25	94	243632	45.08	ng	97
11) bis(2-Chloroethyl)ether	6.32	93	190322	46.90	ng	99
12) 1,3-Dichlorobenzene	6.50	146	176185	39.53	ng	96
13) 1,4-Dichlorobenzene	6.58	146	192941	42.98	ng	96
14) 1,2-Dichlorobenzene	6.73	146	166018	39.23	ng	94
15) Benzyl Alcohol	6.73	79	150385	43.78	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.86	45	188233	40.71	ng	90
17) 2-Methylphenol	6.86	107	134450	42.29	ng	99
18) Hexachloroethane	7.07	117	63053	37.37	ng	# 88
19) n-Nitroso-di-n-propylamine	7.00	70	135606	44.20	ng	99
20) 3+4-Methylphenols	7.00	107	181909	42.15	ng	# 84
22) Acetophenone	6.99	105	261136	43.75	ng	# 98
24) Nitrobenzene	7.16	77	173554	39.12	ng	97
25) Isophorone	7.40	82	345375	44.55	ng	99
26) 2-Nitrophenol	7.47	139	78344	37.86	ng	93
27) 2,4-Dimethylphenol	7.53	122	145704	41.79	ng	98
28) bis(2-Chloroethoxy)methane	7.62	93	224530	46.30	ng	99
29) 2,4-Dichlorophenol	7.72	162	141561	45.06	ng	98
30) 1,2,4-Trichlorobenzene	7.79	180	140233	40.32	ng	# 95
31) Naphthalene	7.87	128	517398	42.89	ng	100
32) Benzoic acid	7.64	122	14047	5.24	ng	# 83
33) 4-Chloroaniline	7.94	127	84819	16.72	ng	97
34) Hexachlorobutadiene	8.00	225	79778	41.22	ng	97
35) Caprolactam	8.31	113	41023	42.05	ng	95
36) 4-Chloro-3-methylphenol	8.43	107	148218	39.16	ng	98
37) 2-Methylnaphthalene	8.56	142	297660	38.69	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.73	216	129430	35.63	ng	99
40) Hexachlorocyclopentadiene	8.72	237	17443	21.28	ng	98

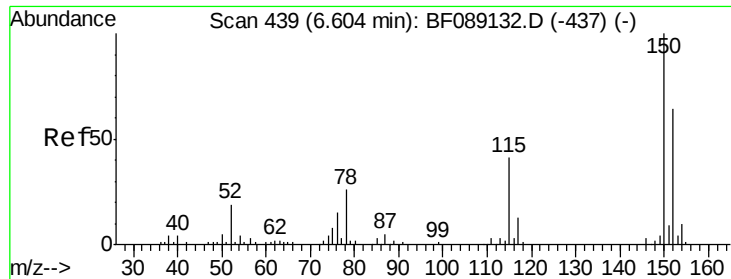
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.86	196	81467	40.07	ng	98
43) 2,4,5-Trichlorophenol	8.90	196	92491	45.32	ng	96
45) 1,1'-Biphenyl	9.03	154	357480	40.62	ng	99
46) 2-Chloronaphthalene	9.05	162	290764	43.48	ng	98
47) 2-Nitroaniline	9.15	65	93920	40.94	ng	98
48) Acenaphthylene	9.46	152	430086	40.90	ng	99
49) Dimethylphthalate	9.35	163	592818	79.05	ng	99
50) 2,6-Dinitrotoluene	9.40	165	72660	42.92	ng	94
51) Acenaphthene	9.63	154	263584	42.38	ng	99
52) 3-Nitroaniline	9.56	138	61517	30.60	ng	# 70
53) 2,4-Dinitrophenol	9.69	184	3941	12.61	ng	# 48
54) Dibenzofuran	9.80	168	375885	44.73	ng	96
55) 4-Nitrophenol	9.76	139	69795	57.37	ng	93
56) 2,4-Dinitrotoluene	9.80	165	86135	39.50	ng	95
57) Fluorene	10.15	166	283448	39.73	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.93	232	63287	43.18	ng	96
59) Diethylphthalate	10.03	149	313463	42.16	ng	100
60) 4-Chlorophenyl-phenylether	10.14	204	124319	38.17	ng	# 69
61) 4-Nitroaniline	10.18	138	70490	36.03	ng	97
62) Azobenzene	10.30	77	349737	43.28	ng	97
64) 4,6-Dinitro-2-methylphenol	10.22	198	9656	11.00	ng	80
65) n-Nitrosodiphenylamine	10.26	169	251551	49.94	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	74899	50.22	ng	# 86
67) Hexachlorobenzene	10.68	284	65505	40.83	ng	# 65
68) Atrazine	10.80	200	77619	49.27	ng	95
69) Pentachlorophenol	10.89	266	58842	79.51	ng	99
70) Phenanthrene	11.10	178	407914	49.34	ng	99
71) Anthracene	11.14	178	388787	45.24	ng	99
72) Carbazole	11.30	167	331279	43.89	ng	99
73) Di-n-butylphthalate	11.64	149	439448	47.07	ng	100
74) Fluoranthene	12.27	202	399317	45.95	ng	94
76) Benzidine	12.41	184	161220	45.24	ng	97
77) Pyrene	12.49	202	345037	40.30	ng	99
79) Butylbenzylphthalate	13.13	149	168898	46.64	ng	# 80
80) Benzo(a)anthracene	13.68	228	287686	43.57	ng	100
81) 3,3'-Dichlorobenzidine	13.65	252	89057	40.66	ng	# 97
82) Chrysene	13.71	228	300399	47.63	ng	99
83) Bis(2-ethylhexyl)phthalate	13.69	149	230885	48.06	ng	# 97
84) Di-n-octyl phthalate	14.30	149	393557	49.65	ng	99
85) Indeno(1,2,3-cd)pyrene	16.24	276	218933	47.80	ng	99
87) Benzo(b)fluoranthene	14.70	252	520404	77.24	ng	97
88) Benzo(k)fluoranthene	14.70	252	520404	108.01	ng	# 96
89) Benzo(a)pyrene	14.97	252	245679	46.97	ng	99
90) Dibenzo(a,h)anthracene	16.25	278	179703	43.51	ng	98
91) Benzo(g,h,i)perylene	16.59	276	173469	41.66	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

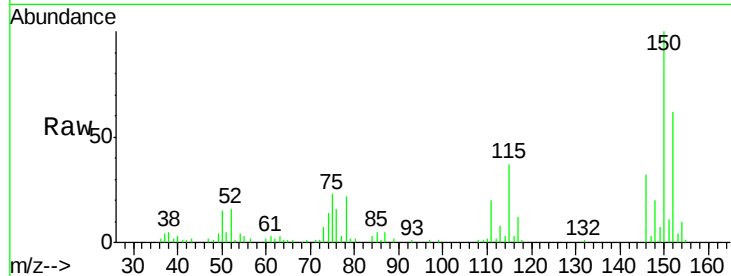
Tgt Ion:152 Resp: 55318

Ion Ratio Lower Upper

152 100

150 162.1 125.1 187.7

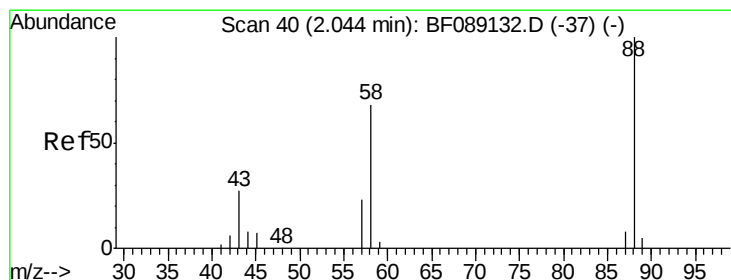
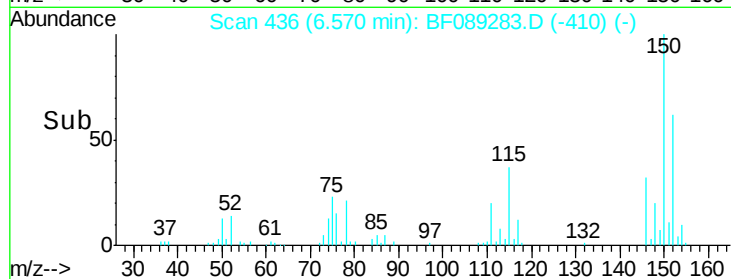
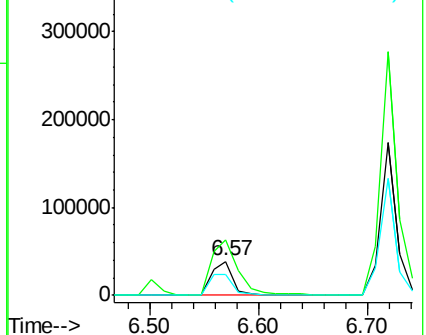
115 60.5 51.1 76.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.79 ng

RT: 2.06 min Scan# 41

Delta R.T. 0.07 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

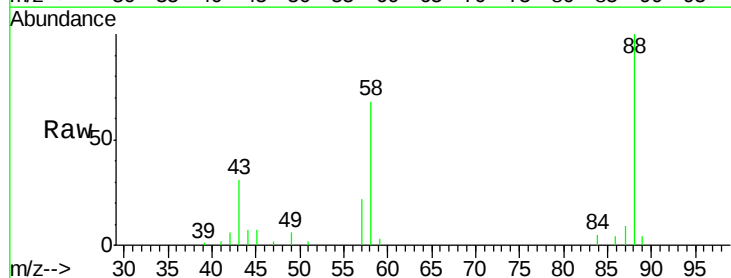
Tgt Ion: 88 Resp: 58096

Ion Ratio Lower Upper

88 100

58 68.3 49.2 73.8

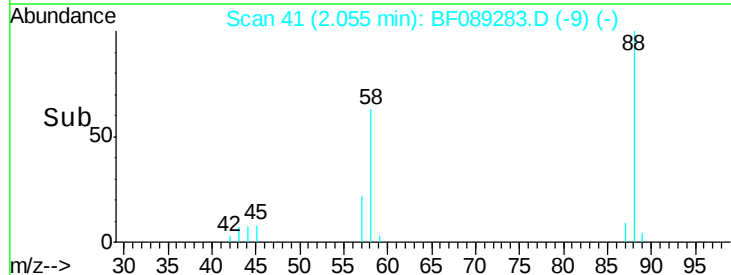
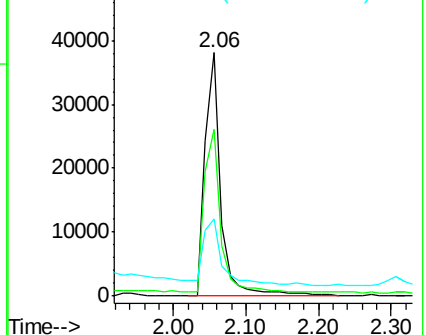
43 34.0 20.6 30.8#

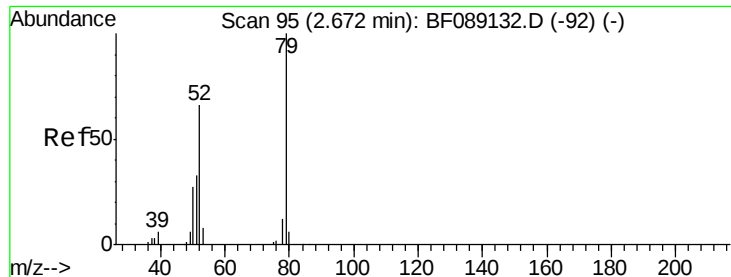


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 36.94 ng

RT: 2.66 min Scan# 94

Delta R.T. 0.06 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

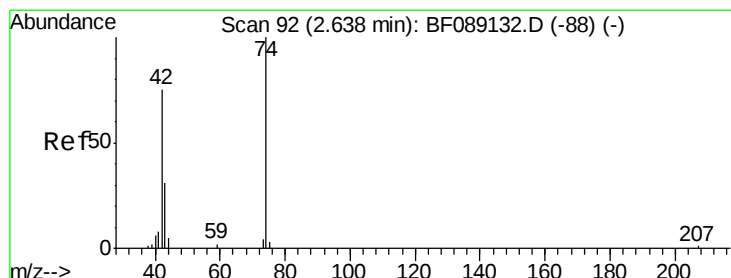
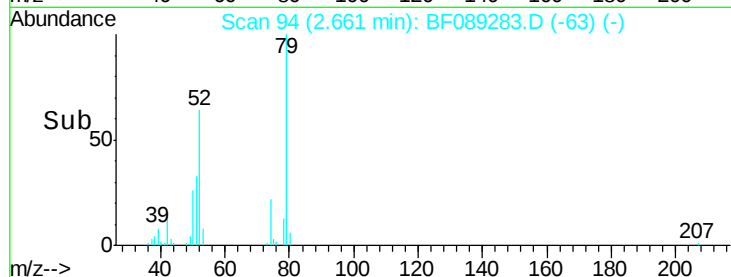
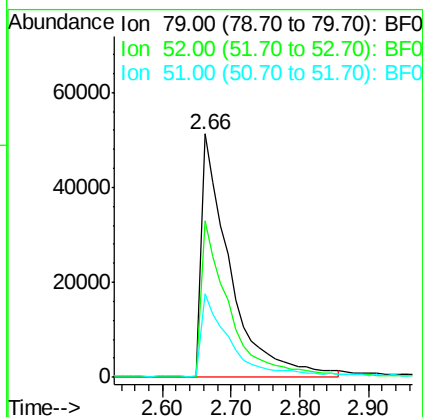
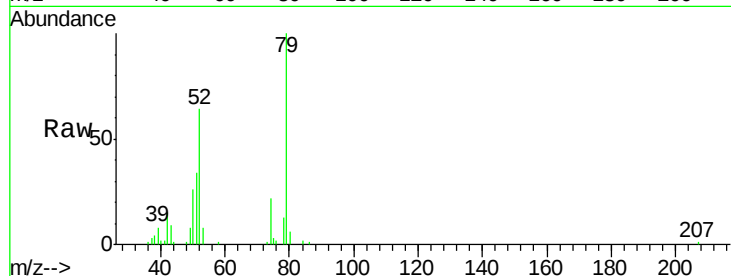
Tgt Ion: 79 Resp: 148217

Ion Ratio Lower Upper

79 100

52 64.5 52.9 79.3

51 34.1 27.0 40.6



#4

n-Nitrosodimethylamine

Concen: 39.87 ng

RT: 2.64 min Scan# 92

Delta R.T. 0.06 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

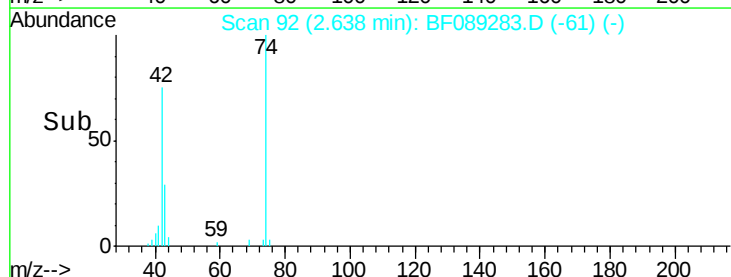
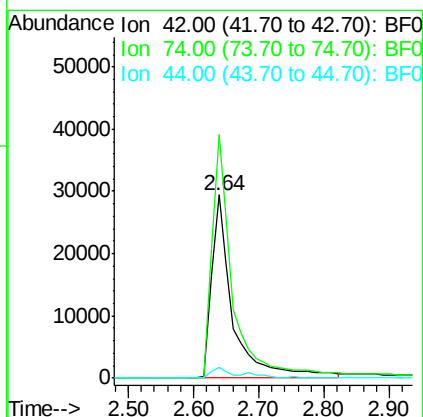
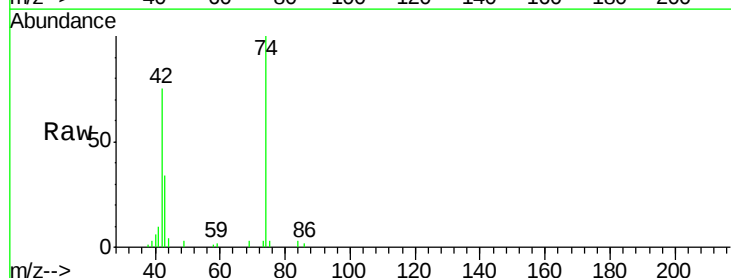
Tgt Ion: 42 Resp: 67330

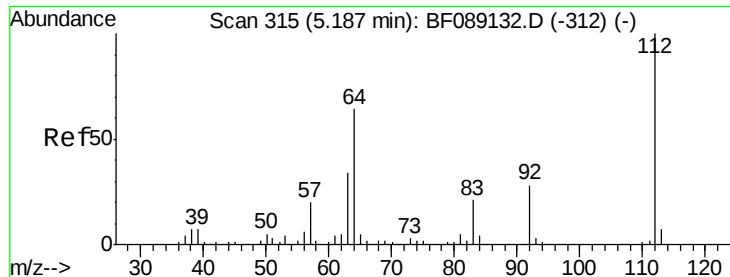
Ion Ratio Lower Upper

42 100

74 132.8 106.4 159.6

44 5.9 5.2 7.8





#5

2-Fluorophenol

Concen: 119.49 ng

RT: 5.15 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

Instrument :

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ClientSampleId :

KMW-02-4.5-6.0MSD

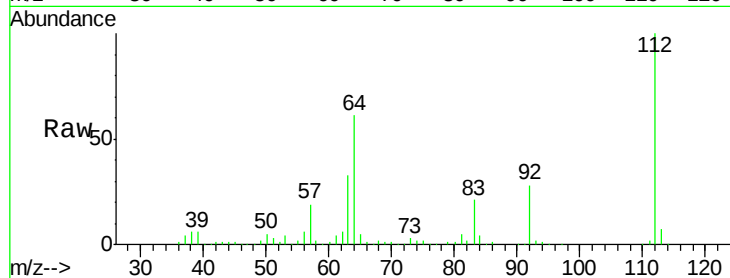
Tgt Ion: 112 Resp: 434630

Ion Ratio Lower Upper

112 100

64 61.2 51.0 76.4

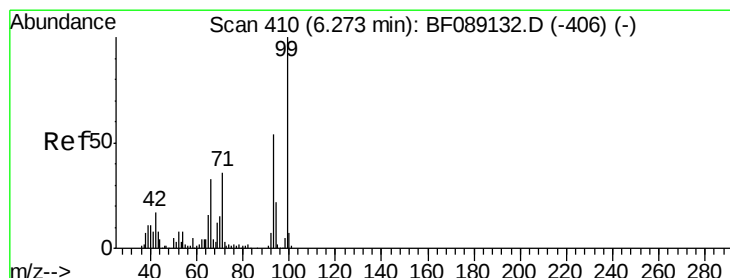
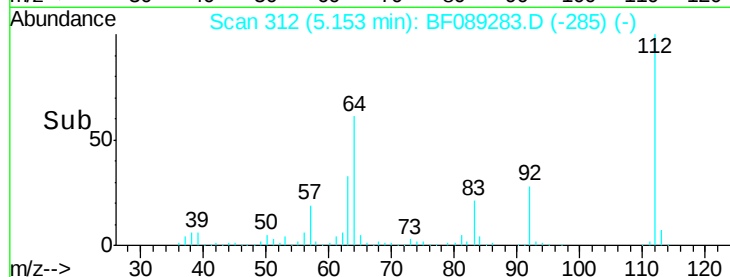
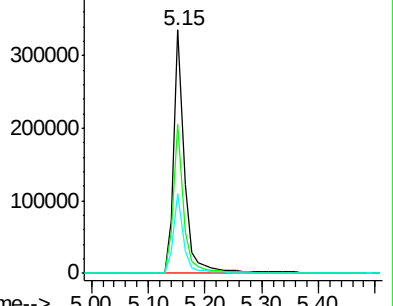
63 33.0 27.3 40.9



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: 24.63 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

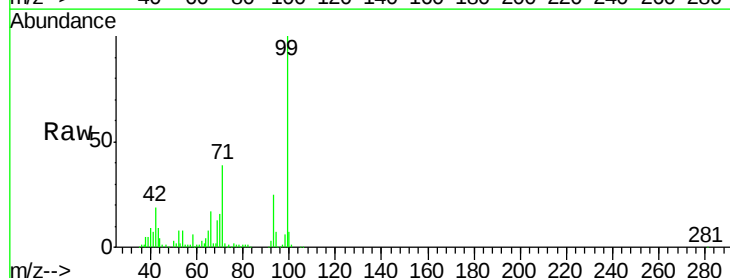
Tgt Ion: 93 Resp: 156107

Ion Ratio Lower Upper

93 100

66 67.5 48.9 73.3

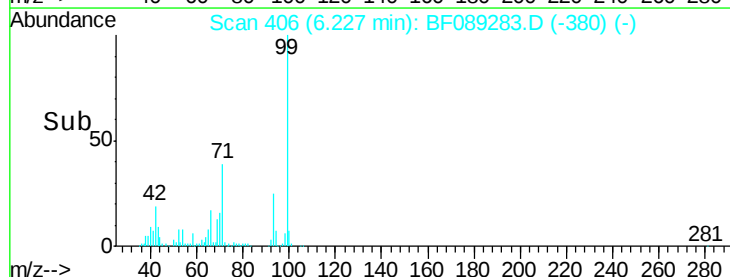
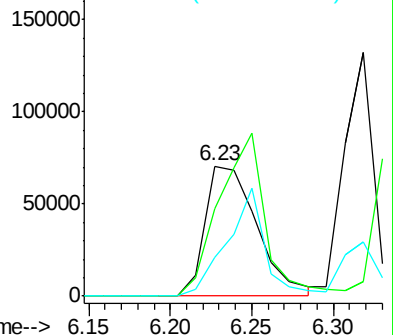
65 29.7 23.9 35.9

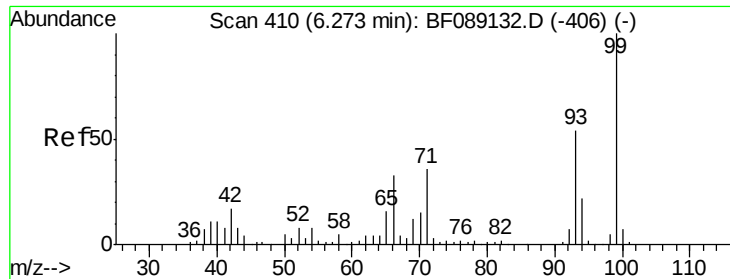


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.57 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

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KMW-02-4.5-6.0MSD

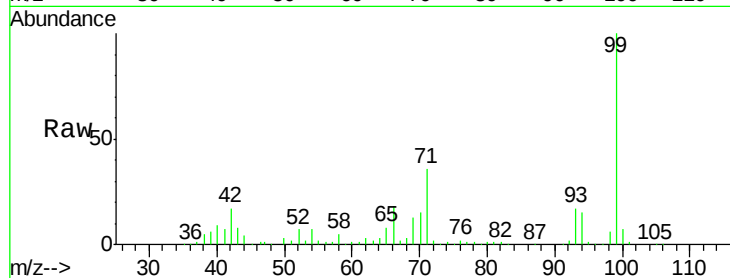
Tgt Ion: 99 Resp: 593694

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

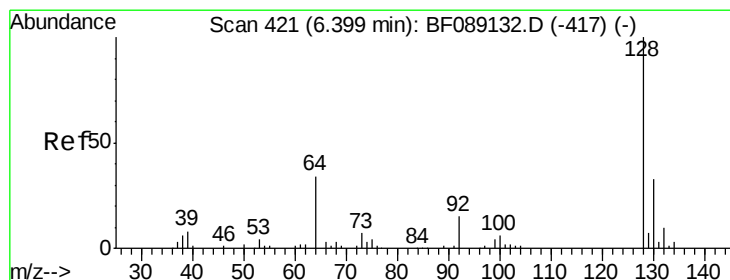
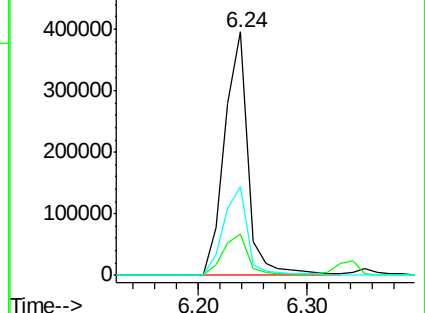
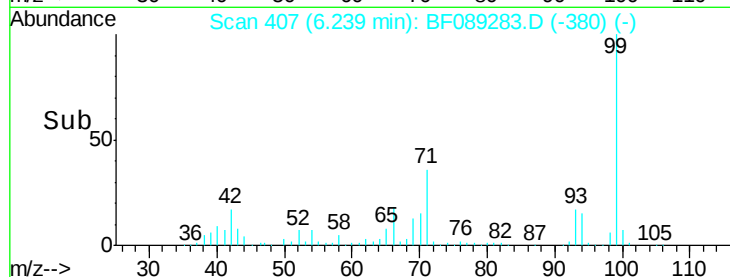
71 36.4 28.9 43.3



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: 44.63 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

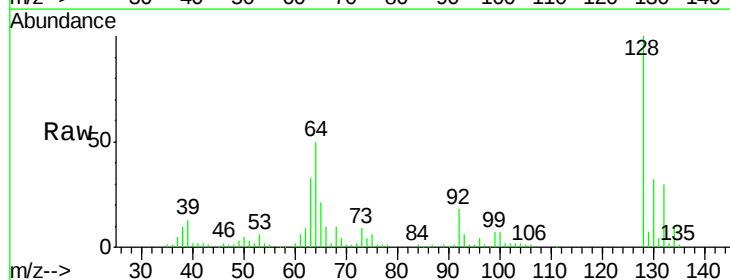
Tgt Ion: 128 Resp: 180121

Ion Ratio Lower Upper

128 100

130 31.7 12.6 52.6

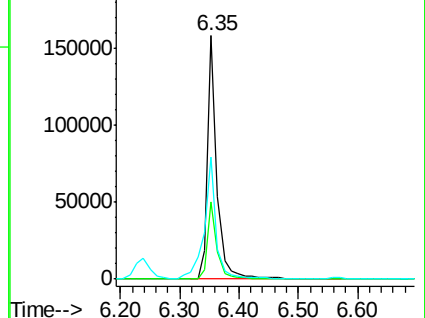
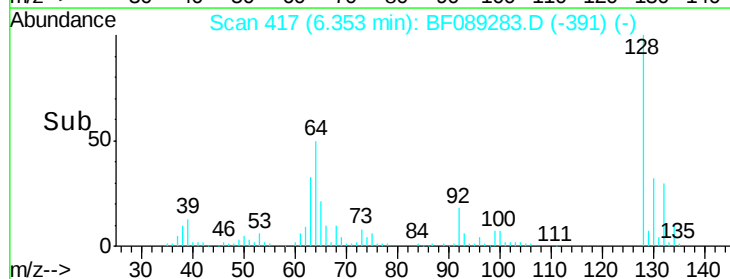
64 50.2 17.5 57.5

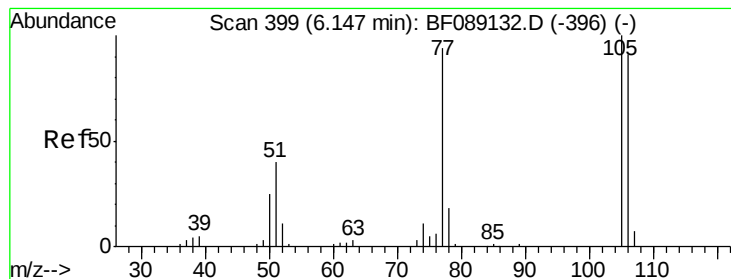


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.63 ng

RT: 6.10 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

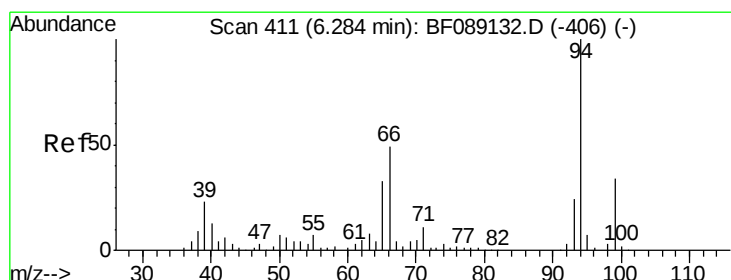
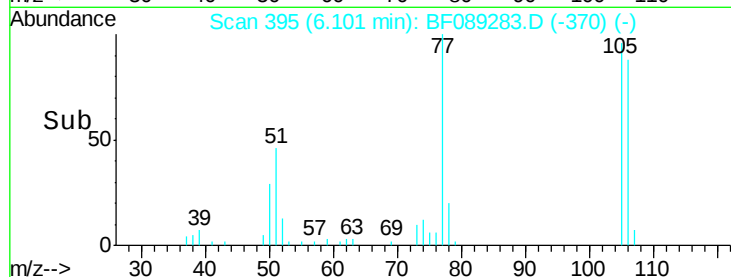
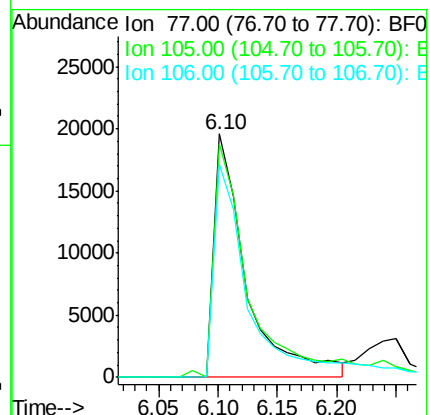
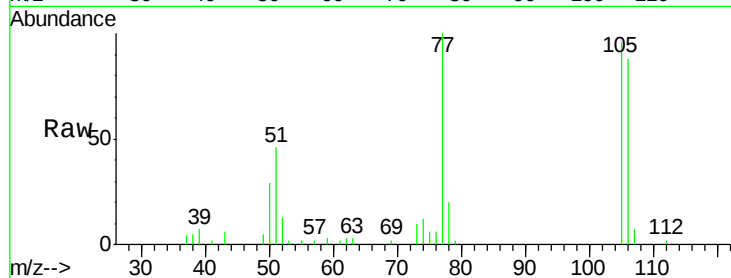
Tgt Ion: 77 Resp: 37132

Ion Ratio Lower Upper

77 100

105 95.9 86.2 126.2

106 87.6 76.3 116.3



#10

Phenol

Concen: 45.08 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.01 min

Lab File: BF089283.D

Acq: 25 Jul 2016 17:10

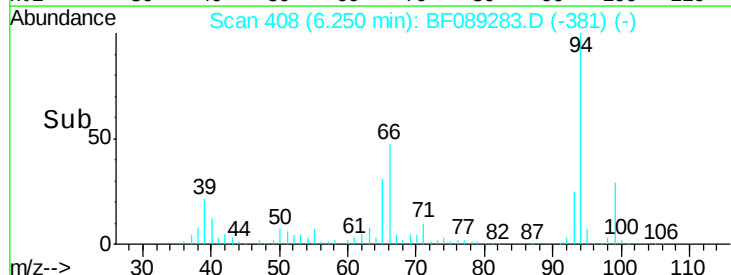
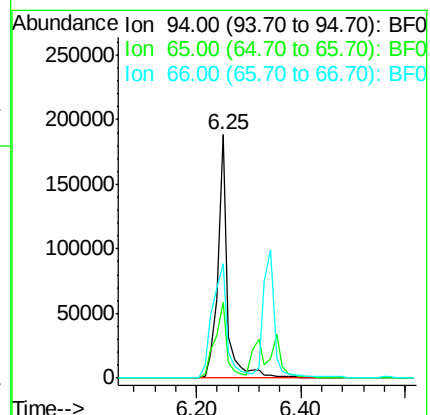
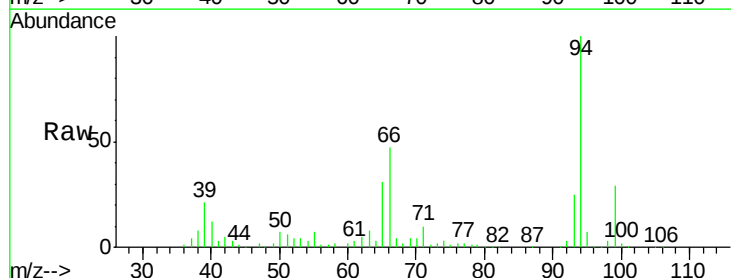
Tgt Ion: 94 Resp: 243632

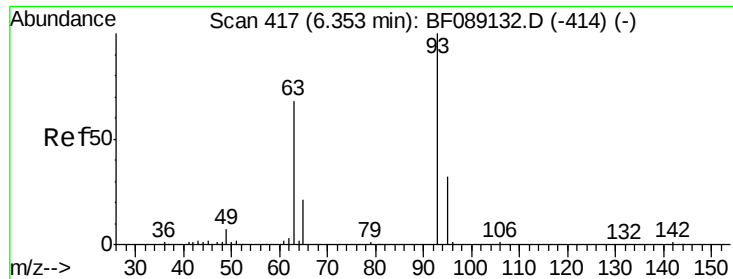
Ion Ratio Lower Upper

94 100

65 31.2 13.3 53.3

66 47.1 29.3 69.3

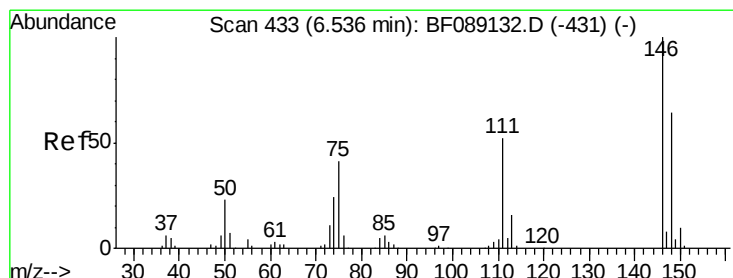
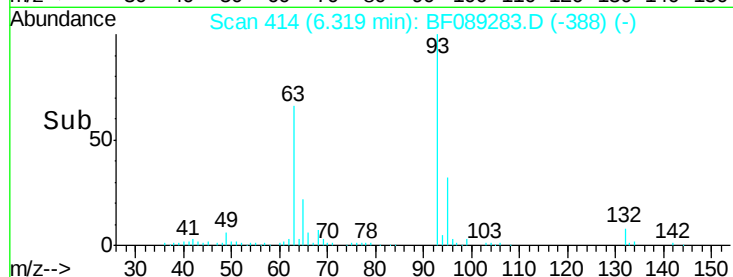
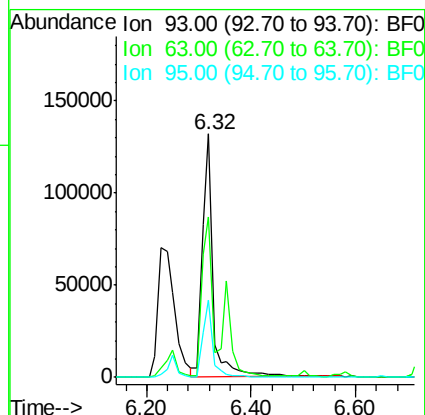
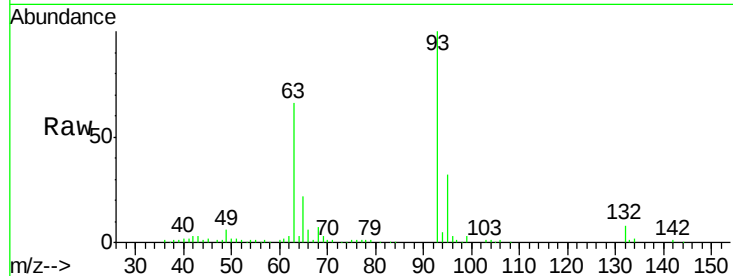




#11
bis(2-Chloroethyl)ether
Concen: 46.90 ng
RT: 6.32 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF089283.D
Acq: 25 Jul 2016 17:10

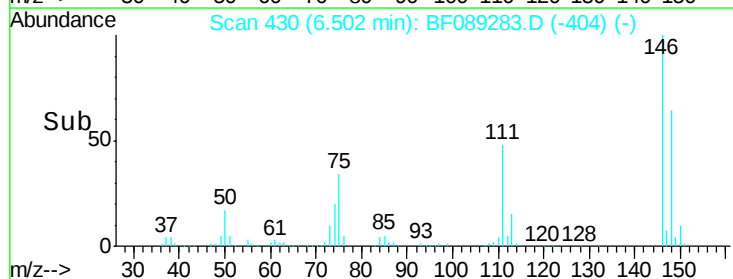
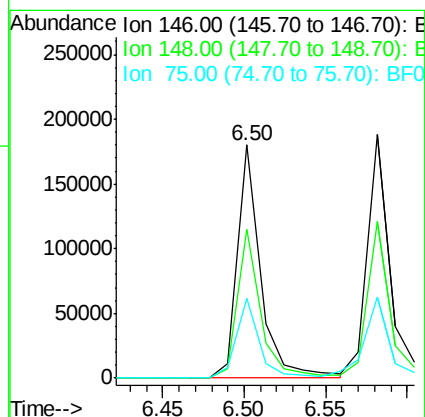
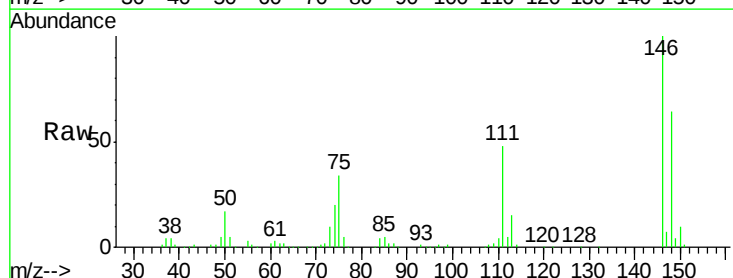
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

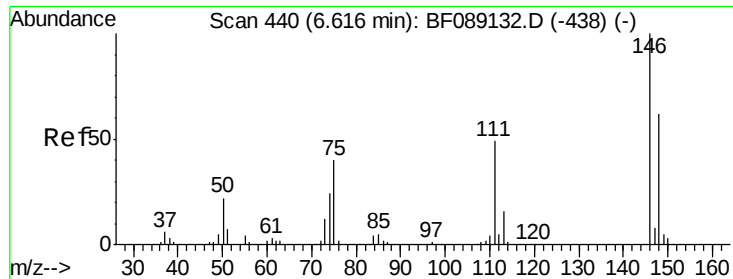
Tgt Ion: 93 Resp: 190322
Ion Ratio Lower Upper
93 100
63 66.0 47.3 87.3
95 31.6 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 39.53 ng
RT: 6.50 min Scan# 430
Delta R.T. 0.00 min
Lab File: BF089283.D
Acq: 25 Jul 2016 17:10

Tgt Ion: 146 Resp: 176185
Ion Ratio Lower Upper
146 100
148 63.9 51.0 76.6
75 34.1 32.5 48.7

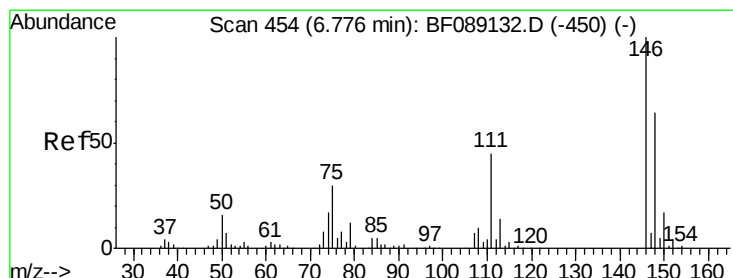
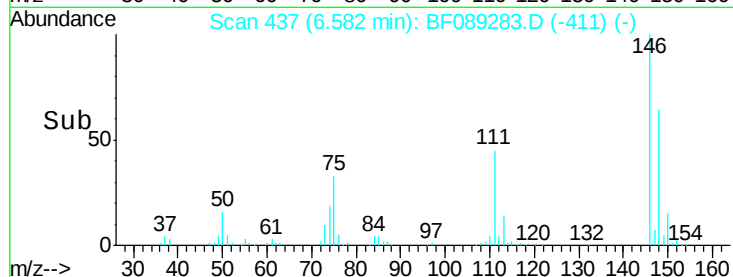
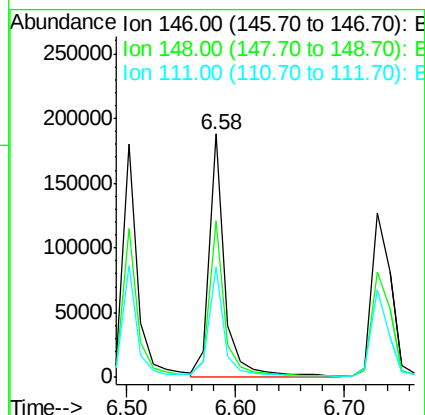
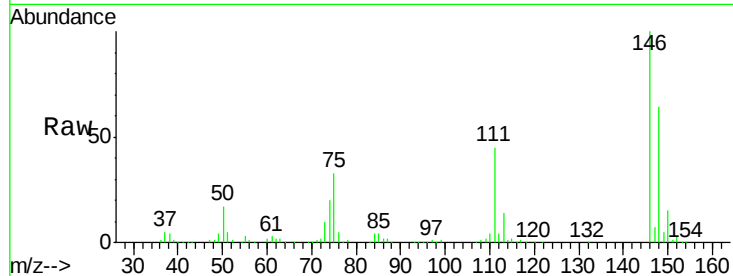




#13
1,4-Dichlorobenzene
Concen: 42.98 ng
RT: 6.58 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF089283.D
Acq: 25 Jul 2016 17:10

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:146 Resp: 192941
Ion Ratio Lower Upper
146 100
148 64.1 49.9 74.9
111 45.3 39.8 59.6



#14
1,2-Dichlorobenzene
Concen: 39.23 ng
RT: 6.73 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF089283.D
Acq: 25 Jul 2016 17:10

Tgt Ion:146 Resp: 166018
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.0
111 53.3 35.9 53.9

