

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089295.D
 Acq On : 26 Jul 2016 1:19
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 26 01:42:45 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	55479	20.00	ng	0.00
21) Naphthalene-d8	7.85	136	234522	20.00	ng	0.00
38) Acenaphthene-d10	9.60	164	101764	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	166333	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	106572	20.00	ng	0.00
86) Perylene-d12	15.03	264	98547	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	281965	77.30	ng	-0.01
7) Phenol-d6	6.23	99	364236	77.43	ng	0.00
23) Nitrobenzene-d5	7.14	82	344413	78.03	ng	0.00
41) 2,4,6-Tribromophenol	10.39	330	64251	70.13	ng	0.00
44) 2-Fluorobiphenyl	8.94	172	627729	84.99	ng	0.00
78) Terphenyl-d14	12.65	244	413467	84.15	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.96	88	64153	40.50	ng	96
3) Pyridine	2.57	79	158727	39.45	ng	99
4) n-Nitrosodimethylamine	2.55	42	58689	34.65	ng	98
6) Aniline	6.23	93	234022	36.82	ng	98
8) 2-Chlorophenol	6.35	128	162705	40.19	ng	98
9) Benzaldehyde	6.10	77	86348	33.48	ng	91
10) Phenol	6.24	94	226912	41.87	ng	91
11) bis(2-Chloroethyl)ether	6.31	93	161997	39.80	ng	91
12) 1,3-Dichlorobenzene	6.73	146	148176	33.15	ng	96
13) 1,4-Dichlorobenzene	6.58	146	188947	41.97	ng	96
14) 1,2-Dichlorobenzene	6.73	146	162286	38.23	ng	93
15) Benzyl Alcohol	6.72	79	122177	35.47	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.86	45	179672	38.74	ng	# 62
17) 2-Methylphenol	6.84	107	113740	35.67	ng	99
18) Hexachloroethane	7.07	117	65967	38.98	ng	# 88
19) n-Nitroso-di-n-propylamine	7.00	70	116846	37.98	ng	97
20) 3+4-Methylphenols	7.00	107	155703	35.97	ng	89
22) Acetophenone	6.99	105	240114	38.34	ng	# 96
24) Nitrobenzene	7.16	77	164342	35.30	ng	98
25) Isophorone	7.40	82	308407	37.91	ng	99
26) 2-Nitrophenol	7.47	139	78883	36.33	ng	91
27) 2,4-Dimethylphenol	7.53	122	136920	37.43	ng	96
28) bis(2-Chloroethoxy)methane	7.62	93	210837	41.44	ng	100
29) 2,4-Dichlorophenol	7.72	162	128241	38.90	ng	96
30) 1,2,4-Trichlorobenzene	7.79	180	136931	37.52	ng	# 96
31) Naphthalene	7.87	128	476685	37.66	ng	100
32) Benzoic acid	7.69	122	84225	29.94	ng	94
33) 4-Chloroaniline	7.93	127	195111	36.66	ng	# 87
34) Hexachlorobutadiene	8.00	225	76777	37.80	ng	99
35) Caprolactam	8.32	113	35802	34.97	ng	98
36) 4-Chloro-3-methylphenol	8.43	107	146584	36.90	ng	89
37) 2-Methylnaphthalene	8.56	142	267584	33.15	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.73	216	152821	40.40	ng	98
40) Hexachlorocyclopentadiene	8.72	237	10694	16.01	ng	99

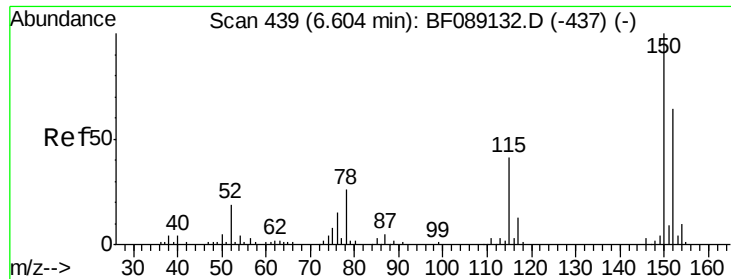
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	79057	37.34	ng	95
43) 2,4,5-Trichlorophenol	8.89	196	86492	40.70	ng	# 85
45) 1,1'-Biphenyl	9.03	154	370720	40.45	ng	99
46) 2-Chloronaphthalene	9.05	162	291073	41.80	ng	97
47) 2-Nitroaniline	9.15	65	93914	39.31	ng	98
48) Acenaphthylene	9.46	152	432685	39.52	ng	98
49) Dimethylphthalate	9.34	163	300520	38.48	ng	99
50) 2,6-Dinitrotoluene	9.40	165	65397	37.09	ng	89
51) Acenaphthene	9.63	154	255456	39.44	ng	99
52) 3-Nitroaniline	9.56	138	80512	38.45	ng	# 71
53) 2,4-Dinitrophenol	9.69	184	8868	17.34	ng	# 81
54) Dibenzofuran	9.80	168	338418	38.67	ng	94
55) 4-Nitrophenol	9.75	139	31565	24.92	ng	89
56) 2,4-Dinitrotoluene	9.80	165	84826	37.35	ng	# 83
57) Fluorene	10.14	166	263612	35.48	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.88	232	50770	33.26	ng	89
59) Diethylphthalate	10.03	149	328994	42.49	ng	98
60) 4-Chlorophenyl-phenylether	10.14	204	127903	37.71	ng	# 75
61) 4-Nitroaniline	10.18	138	78160	38.37	ng	94
62) Azobenzene	10.30	77	334366	39.73	ng	95
64) 4,6-Dinitro-2-methylphenol	10.22	198	20565	21.24	ng	94
65) n-Nitrosodiphenylamine	10.26	169	260374	46.84	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	71690	43.55	ng	# 80
67) Hexachlorobenzene	10.68	284	73465	41.50	ng	# 73
68) Atrazine	10.79	200	69604	40.04	ng	97
69) Pentachlorophenol	10.88	266	30386	37.20	ng	99
70) Phenanthrene	11.10	178	359847	39.44	ng	99
71) Anthracene	11.14	178	397621	41.93	ng	99
72) Carbazole	11.30	167	328568	39.44	ng	99
73) Di-n-butylphthalate	11.65	149	468445	45.46	ng	99
74) Fluoranthene	12.27	202	340486	35.50	ng	93
76) Benzidine	12.41	184	161852	44.17	ng	99
77) Pyrene	12.49	202	334775	38.04	ng	99
79) Butylbenzylphthalate	13.13	149	162316	43.60	ng	# 81
80) Benzo(a)anthracene	13.68	228	252972	37.27	ng	99
81) 3,3'-Dichlorobenzidine	13.65	252	97178	43.16	ng	# 98
82) Chrysene	13.71	228	274254	42.30	ng	100
83) Bis(2-ethylhexyl)phthalate	13.69	149	222029	44.96	ng	# 96
84) Di-n-octyl phthalate	14.30	149	354312	43.48	ng	99
85) Indeno(1,2,3-cd)pyrene	16.24	276	214056	45.46	ng	99
87) Benzo(b)fluoranthene	14.70	252	482503	67.60	ng	97
88) Benzo(k)fluoranthene	14.70	252	482941	94.62	ng	# 96
89) Benzo(a)pyrene	14.97	252	225636	40.72	ng	100
90) Dibenzo(a,h)anthracene	16.25	278	190427	43.53	ng	98
91) Benzo(g,h,i)perylene	16.59	276	179370	40.66	ng	96

(#) = 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: BF089295.D

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BNA_F

ClientSampleId :

SSTDCCC040

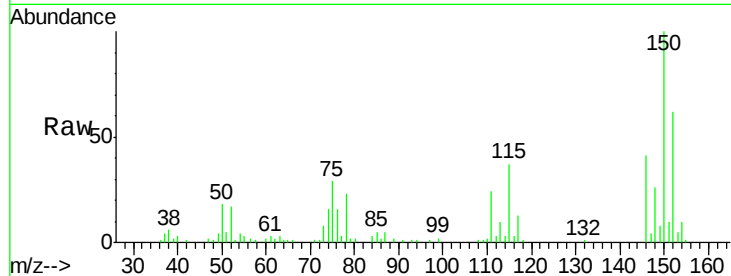
Tgt Ion:152 Resp: 55479

Ion Ratio Lower Upper

152 100

150 160.7 125.1 187.7

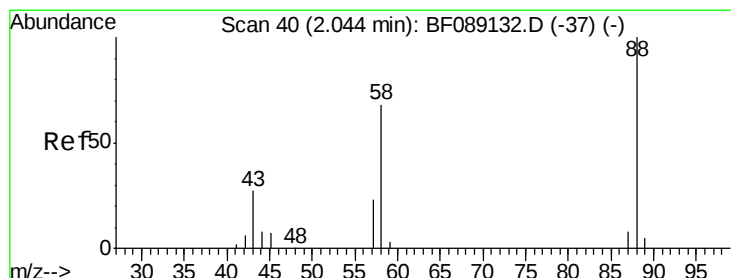
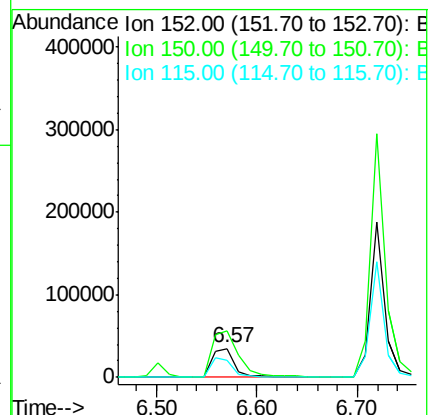
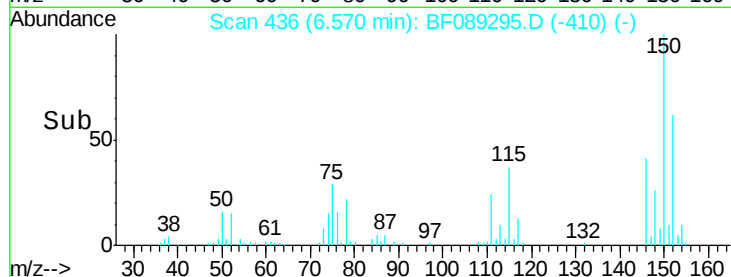
115 59.3 51.1 76.7



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: 40.50 ng

RT: 1.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

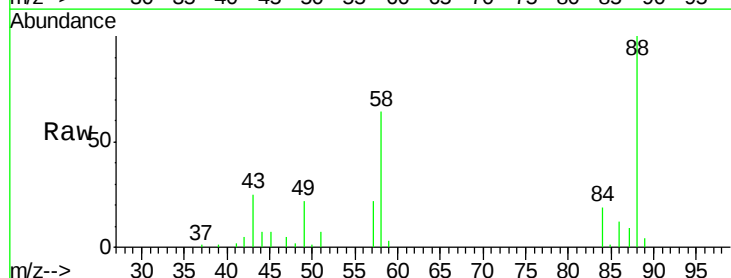
Tgt Ion: 88 Resp: 64153

Ion Ratio Lower Upper

88 100

58 65.4 49.2 73.8

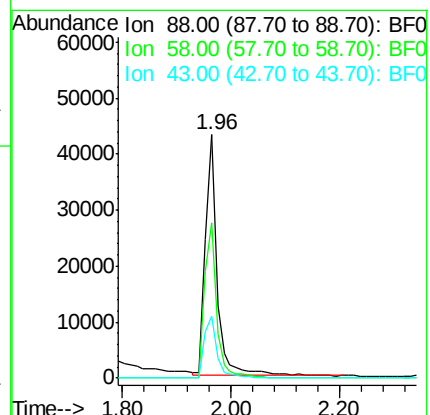
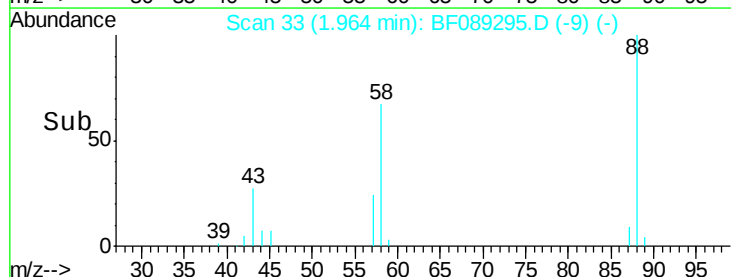
43 27.1 20.6 30.8

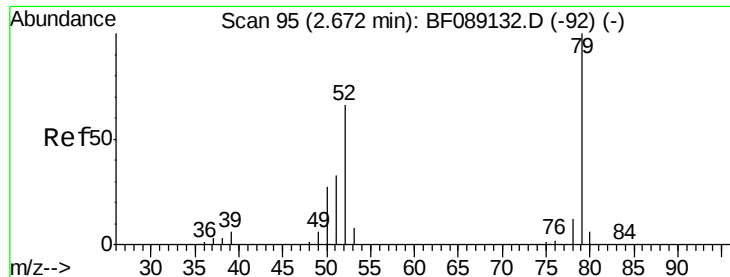


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

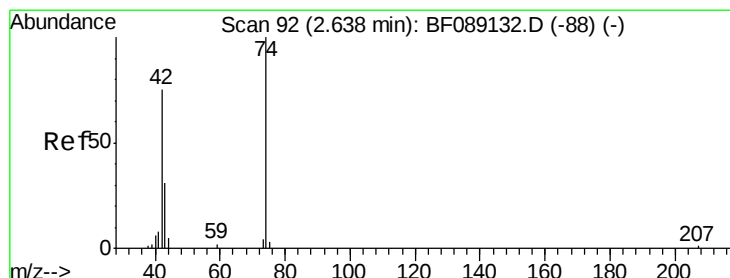
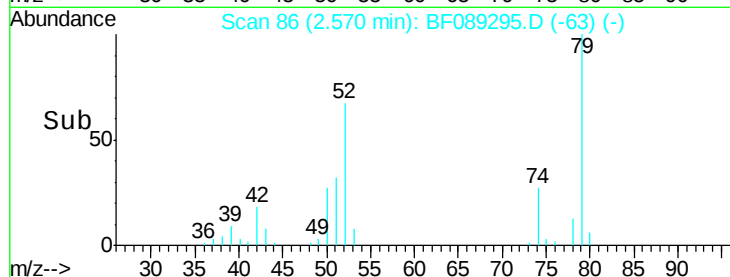
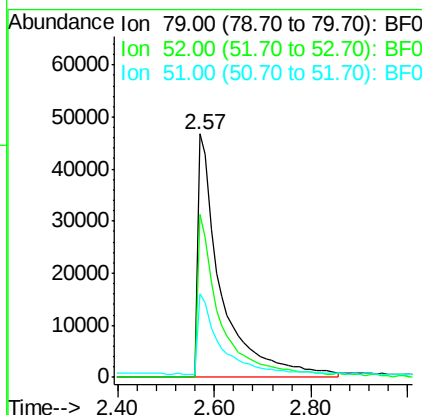
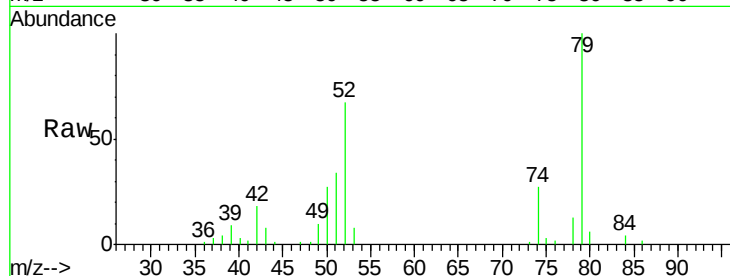




#3
 Pyridine
 Concen: 39.45 ng
 RT: 2.57 min Scan# 86
 Delta R.T. -0.03 min
 Lab File: BF089295.D
 Acq: 26 Jul 2016 1:19

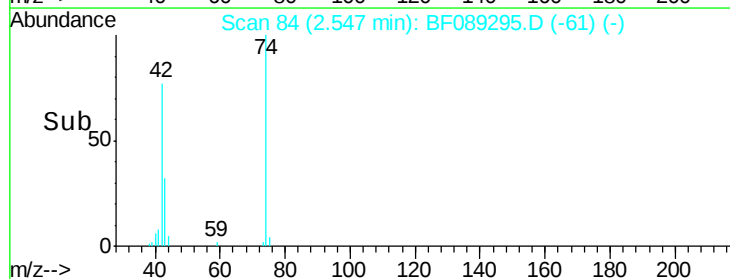
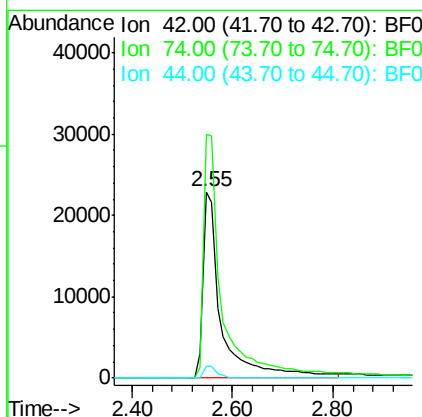
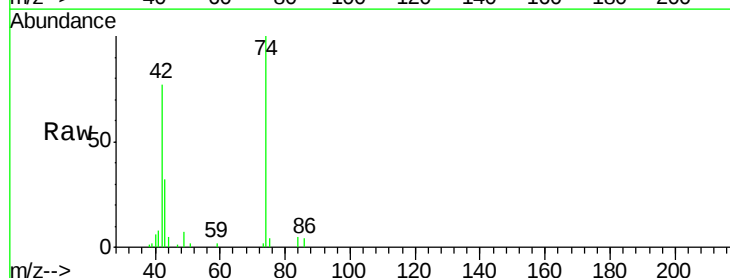
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

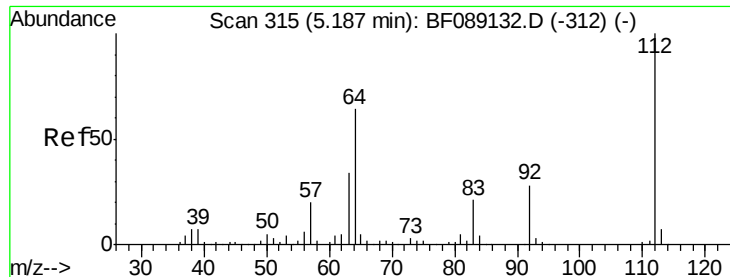
Tgt Ion: 79 Resp: 158727
 Ion Ratio Lower Upper
 79 100
 52 66.8 52.9 79.3
 51 34.4 27.0 40.6



#4
 n-Nitrosodimethylamine
 Concen: 34.65 ng
 RT: 2.55 min Scan# 84
 Delta R.T. -0.03 min
 Lab File: BF089295.D
 Acq: 26 Jul 2016 1:19

Tgt Ion: 42 Resp: 58689
 Ion Ratio Lower Upper
 42 100
 74 130.6 106.4 159.6
 44 6.7 5.2 7.8





#5

2-Fluorophenol

Concen: 77.30 ng

RT: 5.13 min Scan# 310

Delta R.T. -0.01 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

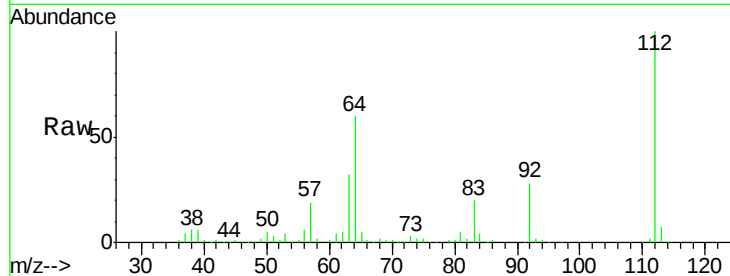
Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

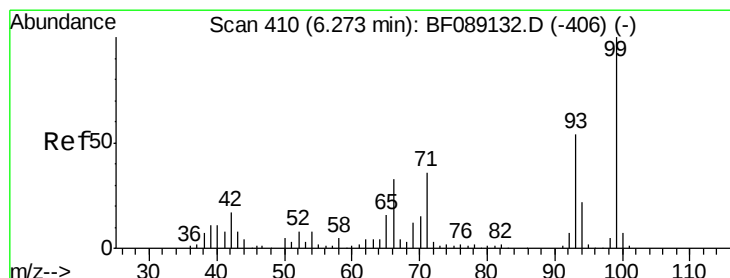
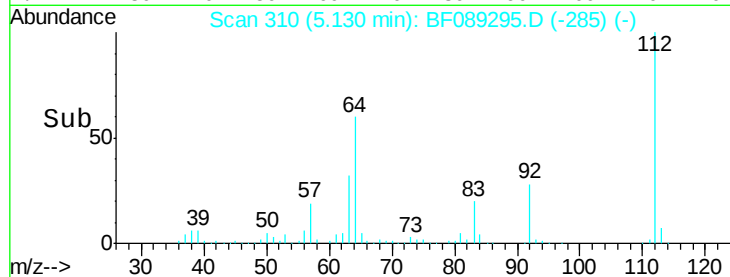
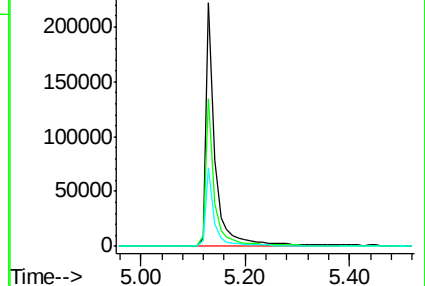
Tgt Ion:	112	Resp:	281965
Ion Ratio	Lower	Upper	
112	100		
64	60.5	51.0	76.4
63	32.5	27.3	40.9



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: 36.82 ng

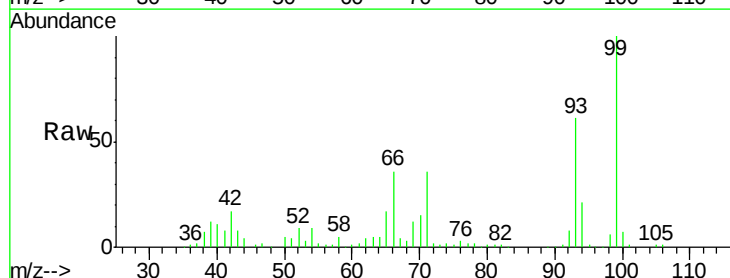
RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

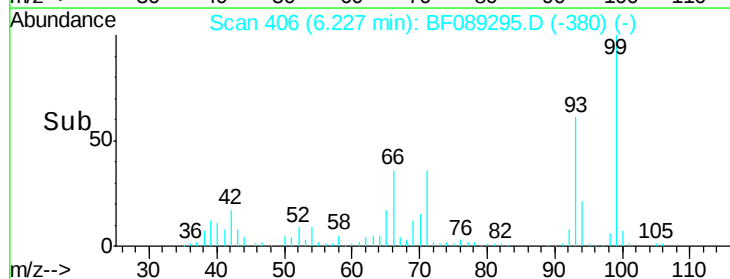
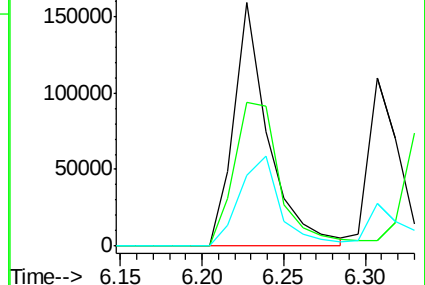
Tgt Ion:	93	Resp:	234022
Ion Ratio	Lower	Upper	
93	100		
66	59.2	48.9	73.3
65	28.9	23.9	35.9

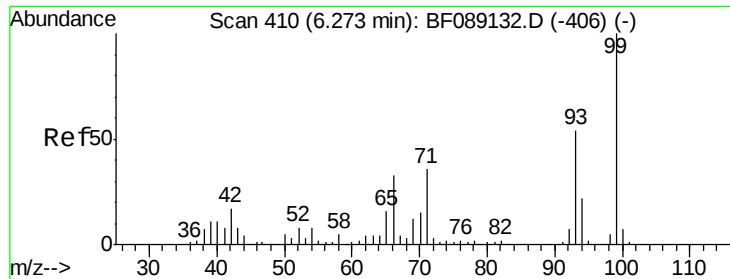


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 77.43 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

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ClientSampleId :

SSTDCCC040

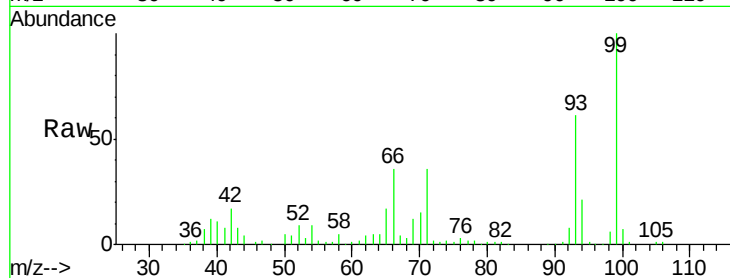
Tgt Ion: 99 Resp: 364236

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

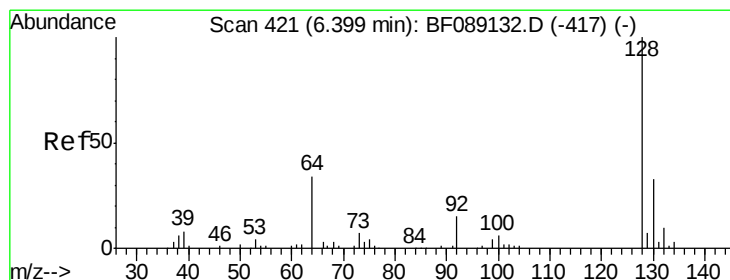
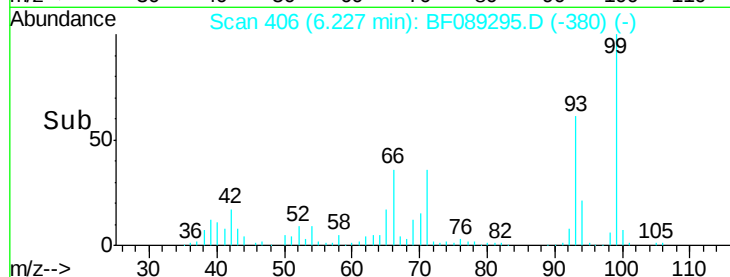
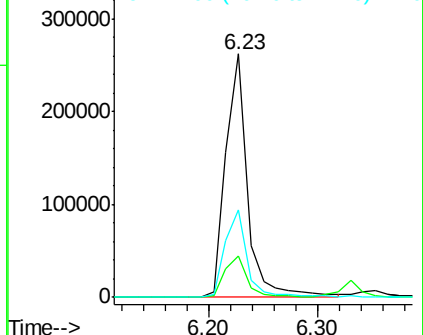
71 36.1 28.9 43.3



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: 40.19 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

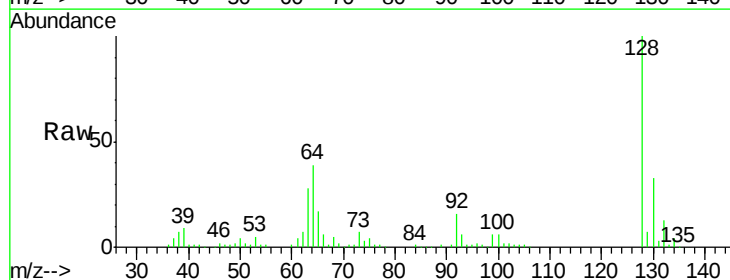
Tgt Ion: 128 Resp: 162705

Ion Ratio Lower Upper

128 100

130 33.1 12.6 52.6

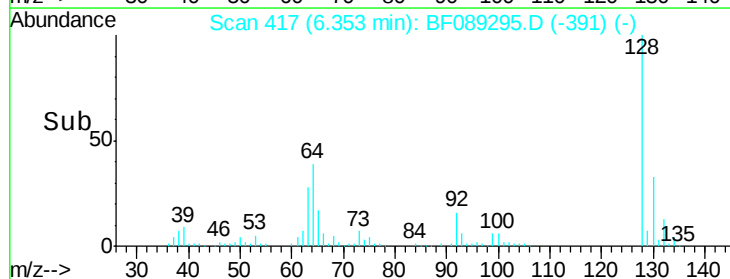
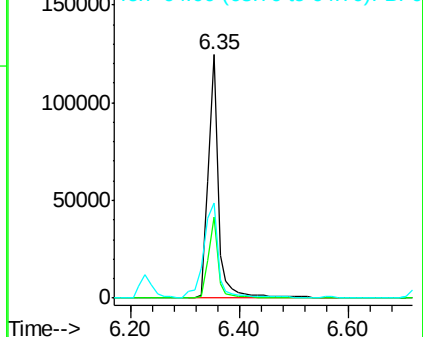
64 38.9 17.5 57.5

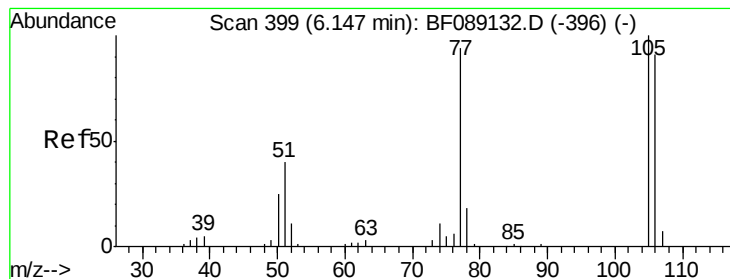


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 33.48 ng

RT: 6.10 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

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SSTDCCC040

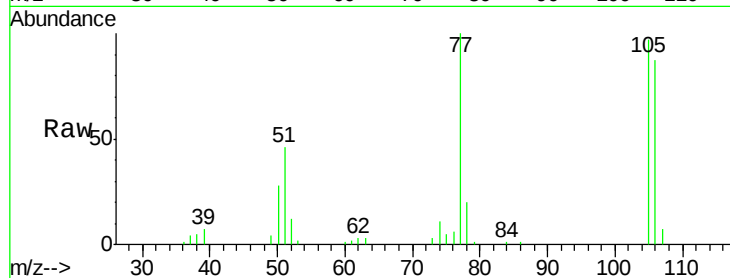
Tgt Ion: 77 Resp: 86348

Ion Ratio Lower Upper

77 100

105 96.6 86.2 126.2

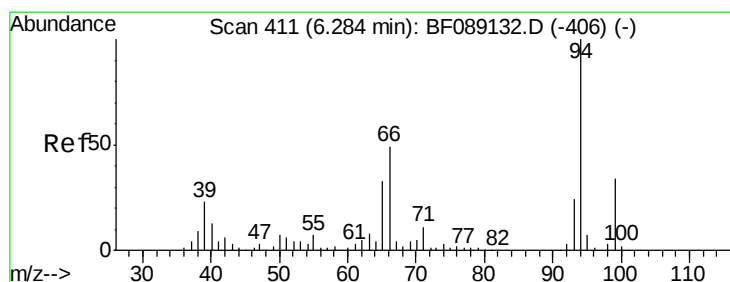
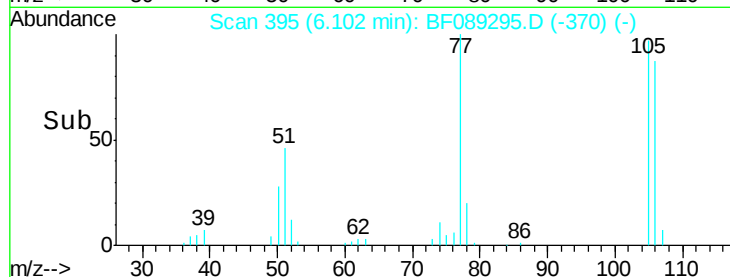
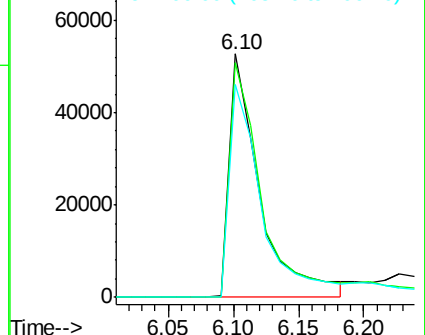
106 87.4 76.3 116.3



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: 41.87 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089295.D

Acq: 26 Jul 2016 1:19

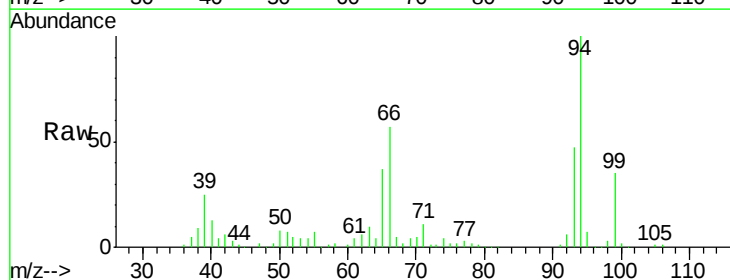
Tgt Ion: 94 Resp: 226912

Ion Ratio Lower Upper

94 100

65 36.5 13.3 53.3

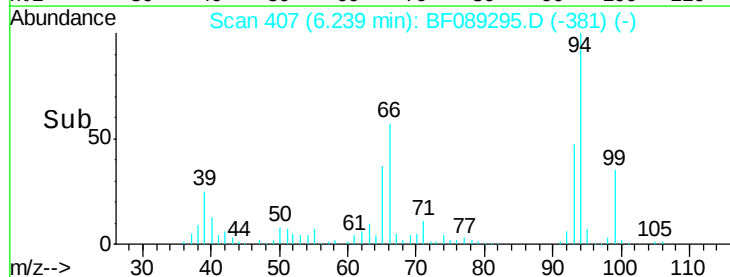
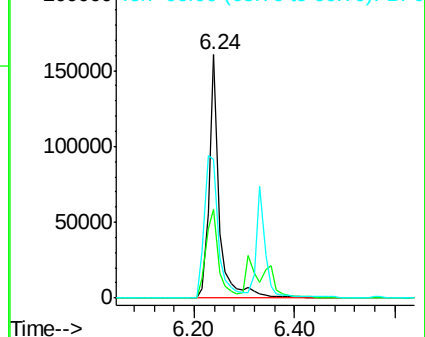
66 56.9 29.3 69.3



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

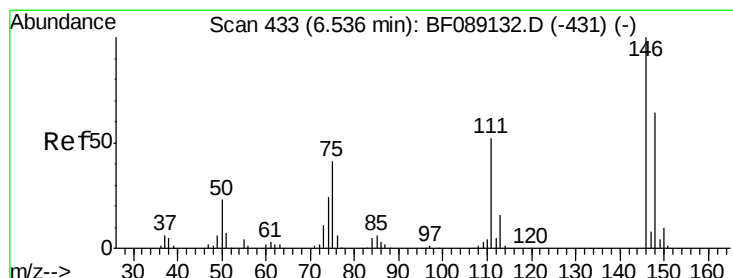
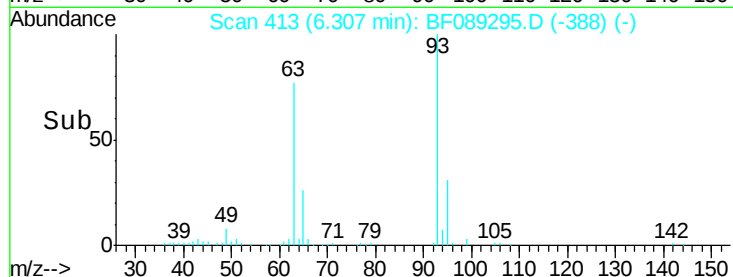
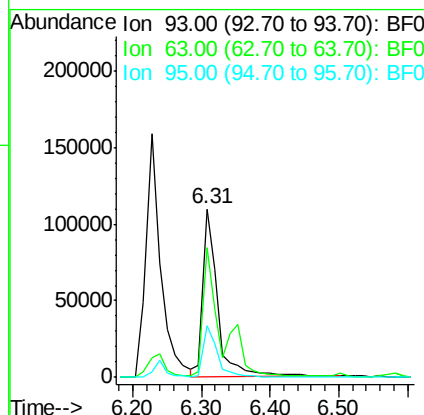
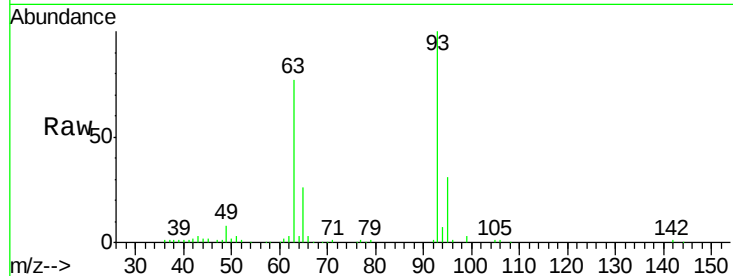




#11
bis(2-Chloroethyl)ether
Concen: 39.80 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089295.D
Acq: 26 Jul 2016 1:19

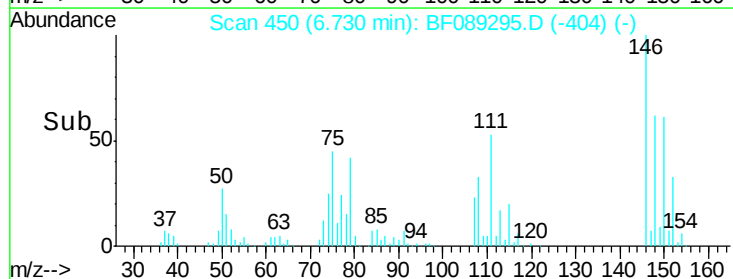
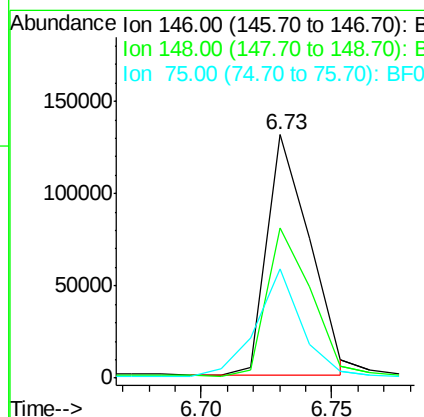
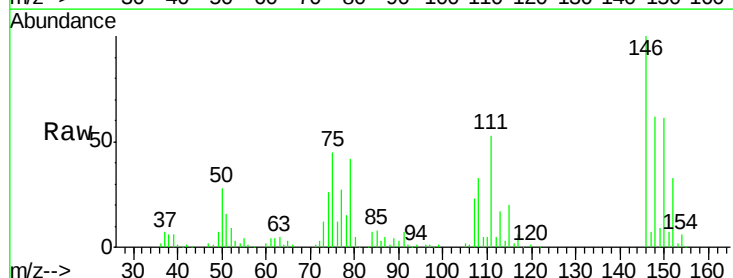
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

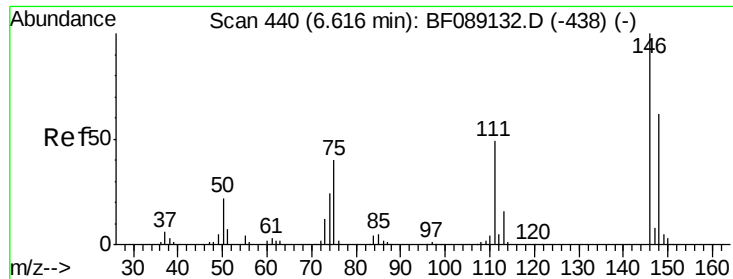
Tgt Ion:	93	Resp:	161997
Ion	Ratio	Lower	Upper
93	100		
63	77.0	47.3	87.3
95	30.6	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 33.15 ng
RT: 6.73 min Scan# 450
Delta R.T. 0.23 min
Lab File: BF089295.D
Acq: 26 Jul 2016 1:19

Tgt Ion:	146	Resp:	148176
Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.0	76.6
75	44.8	32.5	48.7

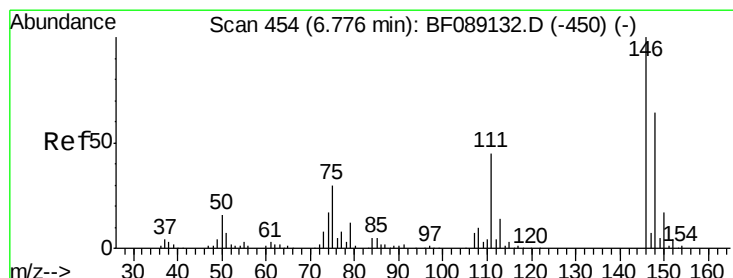
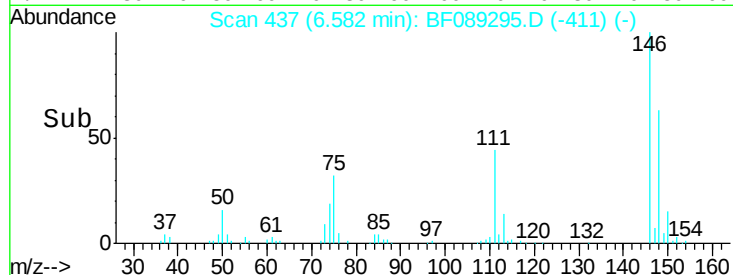
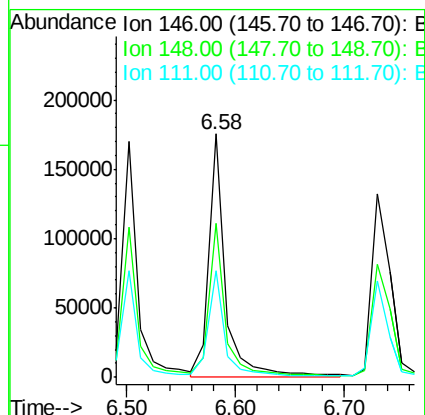
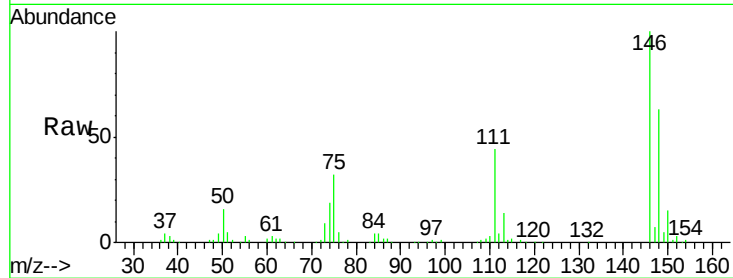




#13
 1,4-Dichlorobenzene
 Concen: 41.97 ng
 RT: 6.58 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: BF089295.D
 Acq: 26 Jul 2016 1:19

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:146 Resp: 188947
 Ion Ratio Lower Upper
 146 100
 148 63.3 49.9 74.9
 111 43.9 39.8 59.6



#14
 1,2-Dichlorobenzene
 Concen: 38.23 ng
 RT: 6.73 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF089295.D
 Acq: 26 Jul 2016 1:19

Tgt Ion:146 Resp: 162286
 Ion Ratio Lower Upper
 146 100
 148 61.7 51.4 77.0
 111 53.0 35.9 53.9

