

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089744.D
 Acq On : 17 Aug 2016 5:23
 Operator : UM/SJ
 Sample : PB92884BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92884BS

Quant Time: Aug 17 06:55:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	683598	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2859357	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	1390416	20.00	ng	0.01
63) Phenanthrene-d10	11.22	188	2524290	20.00	ng	0.01
75) Chrysene-d12	13.90	240	2077237	20.00	ng	0.00
86) Perylene-d12	15.39	264	1874588	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	5642494	137.72	ng	0.02
7) Phenol-d6	6.34	99	6681923	128.22	ng	0.01
23) Nitrobenzene-d5	7.27	82	4254444	90.85	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	1799278	133.76	ng	0.01
44) 2-Fluorobiphenyl	9.07	172	6122535	70.66	ng	0.00
78) Terphenyl-d14	12.81	244	5162832	74.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.31	88	696824	32.95	ng	100
3) Pyridine	2.95	79	2130523	39.09	ng	96
4) n-Nitrosodimethylamine	2.91	42	933258	42.66	ng	90
6) Aniline	6.36	93	2443284	34.88	ng	# 78
8) 2-Chlorophenol	6.49	128	2267622	46.53	ng	83
9) Benzaldehyde	6.24	77	602402	17.44	ng	91
10) Phenol	6.35	94	2236832	34.48	ng	86
11) bis(2-Chloroethyl)ether	6.44	93	1902027	39.58	ng	98
12) 1,3-Dichlorobenzene	6.64	146	2054510	39.44	ng	99
13) 1,4-Dichlorobenzene	6.72	146	2196857	41.63	ng	98
14) 1,2-Dichlorobenzene	6.88	146	2041115	40.57	ng	98
15) Benzyl Alcohol	6.86	79	1592990	45.74	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2427005	38.49	ng	95
17) 2-Methylphenol	6.97	107	1879272	48.54	ng	97
18) Hexachloroethane	7.22	117	831446	42.99	ng	92
19) n-Nitroso-di-n-propylamine	7.13	70	1438214	42.14	ng	95
20) 3+4-Methylphenols	7.12	107	2259616	45.57	ng	# 84
22) Acetophenone	7.12	105	2481732	37.34	ng	# 95
24) Nitrobenzene	7.29	77	2294307	43.56	ng	95
25) Isophorone	7.53	82	4106418	43.83	ng	99
26) 2-Nitrophenol	7.61	139	1189942	48.01	ng	99
27) 2,4-Dimethylphenol	7.66	122	2161498	46.01	ng	98
28) bis(2-Chloroethoxy)methane	7.75	93	2530681	44.45	ng	98
29) 2,4-Dichlorophenol	7.85	162	1877841	48.01	ng	97
30) 1,2,4-Trichlorobenzene	7.93	180	1738072	41.39	ng	99
31) Naphthalene	8.01	128	5346193	41.66	ng	95
32) Benzoic acid	7.79	122	1328543	36.37	ng	99
33) 4-Chloroaniline	8.06	127	1368387	23.04	ng	# 86
34) Hexachlorobutadiene	8.14	225	925494	41.96	ng	99
35) Caprolactam	8.44	113	351470	29.16	ng	86
36) 4-Chloro-3-methylphenol	8.55	107	1913141	44.93	ng	92
37) 2-Methylnaphthalene	8.71	142	4193622	48.00	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1240697	27.76	ng	98
40) Hexachlorocyclopentadiene	8.87	237	1930285	96.90	ng	98

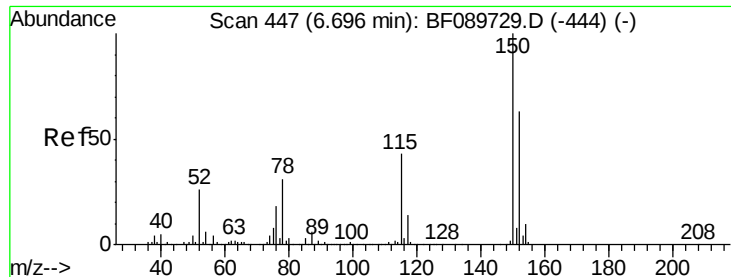
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089744.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1245325	43.13	ng	99
43) 2,4,5-Trichlorophenol	9.03	196	1259577	45.75	ng	95
45) 1,1'-Biphenyl	9.18	154	4249927	36.91	ng	94
46) 2-Chloronaphthalene	9.19	162	3455885	40.05	ng	98
47) 2-Nitroaniline	9.29	65	1348557	51.29	ng	# 77
48) Acenaphthylene	9.61	152	5802405	43.68	ng	99
49) Dimethylphthalate	9.48	163	4362479	43.36	ng	# 97
50) 2,6-Dinitrotoluene	9.53	165	1008329	44.28	ng	# 80
51) Acenaphthene	9.78	154	4353848	48.57	ng	99
52) 3-Nitroaniline	9.70	138	813901	30.74	ng	# 70
53) 2,4-Dinitrophenol	9.80	184	1034758	101.26	ng	99
54) Dibenzofuran	9.95	168	5221996	47.34	ng	97
55) 4-Nitrophenol	9.86	139	1929524	94.74	ng	87
56) 2,4-Dinitrotoluene	9.94	165	1399488	47.81	ng	91
57) Fluorene	10.28	166	3698919	41.50	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	1069744	49.75	ng	98
59) Diethylphthalate	10.18	149	4150067	40.68	ng	97
60) 4-Chlorophenyl-phenylether	10.28	204	1531011	34.99	ng	93
61) 4-Nitroaniline	10.32	138	1246670	48.50	ng	100
62) Azobenzene	10.44	77	4435921	46.02	ng	96
64) 4,6-Dinitro-2-methylphenol	10.34	198	693897	47.34	ng	90
65) n-Nitrosodiphenylamine	10.41	169	3652126	46.10	ng	97
66) 4-Bromophenyl-phenylether	10.78	248	1157846	44.29	ng	# 83
67) Hexachlorobenzene	10.83	284	1201435	41.34	ng	# 81
68) Atrazine	10.94	200	1089778	45.41	ng	97
69) Pentachlorophenol	11.03	266	1435614	79.30	ng	98
70) Phenanthrene	11.30	178	5743972	46.29	ng	97
71) Anthracene	11.30	178	5743972	44.31	ng	98
72) Carbazole	11.45	167	5062609	41.22	ng	94
73) Di-n-butylphthalate	11.80	149	6437746	43.09	ng	97
74) Fluoranthene	12.42	202	5111445	41.00	ng	90
76) Benzidine	12.56	184	2849675	38.22	ng	98
77) Pyrene	12.65	202	5059445	37.22	ng	93
79) Butylbenzylphthalate	13.30	149	2815181	41.28	ng	# 83
80) Benzo(a)anthracene	13.89	228	5144086	42.62	ng	96
81) 3,3'-Dichlorobenzidine	13.85	252	1369540	31.14	ng	98
82) Chrysene	13.93	228	4369514	40.23	ng	98
83) Bis(2-ethylhexyl)phthalate	13.91	149	3699688	40.99	ng	# 98
84) Di-n-octyl phthalate	14.59	149	6049589	43.13	ng	98
85) Indeno(1,2,3-cd)pyrene	16.71	276	4576883	49.46	ng	100
87) Benzo(b)fluoranthene	15.01	252	4807578	40.47	ng	97
88) Benzo(k)fluoranthene	15.01	252	4807578	49.18	ng	97
89) Benzo(a)pyrene	15.34	252	4703672	47.97	ng	97
90) Dibenzo(a,h)anthracene	16.73	278	3760119	48.70	ng	97
91) Benzo(g,h,i)perylene	17.10	276	3774770	48.03	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

Instrument :

BNA_F

ClientSampleId :

PB92884BS

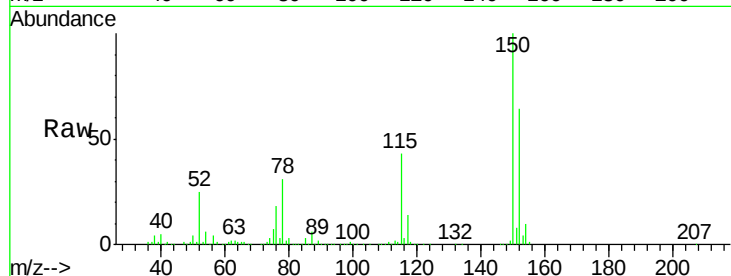
Tgt Ion:152 Resp: 683598

Ion Ratio Lower Upper

152 100

150 157.3 125.3 187.9

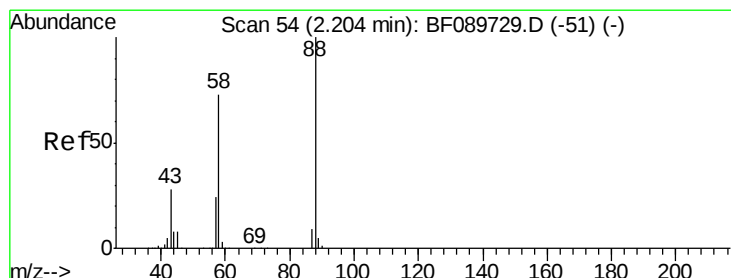
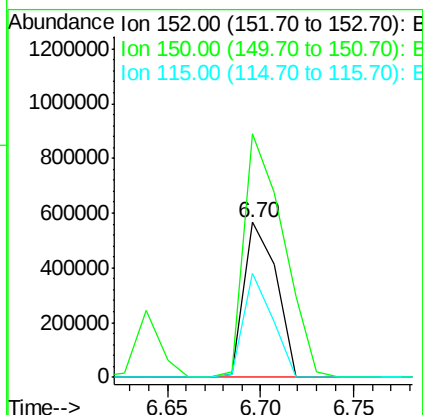
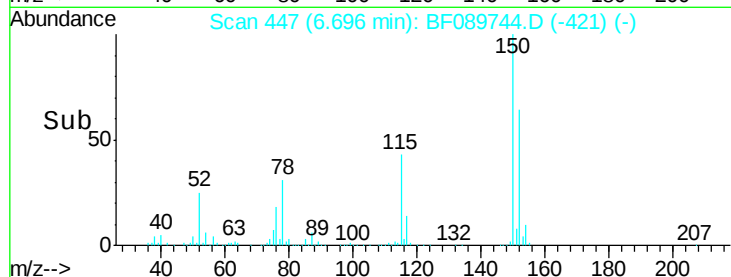
115 67.1 40.9 61.3#



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



#2

1,4-Dioxane

Concen: 32.95 ng

RT: 2.31 min Scan# 63

Delta R.T. 0.10 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

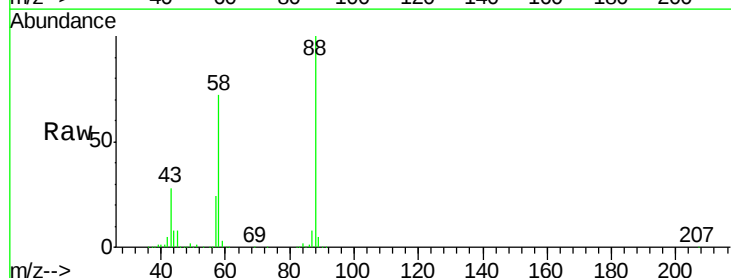
Tgt Ion: 88 Resp: 696824

Ion Ratio Lower Upper

88 100

58 71.0 57.0 85.4

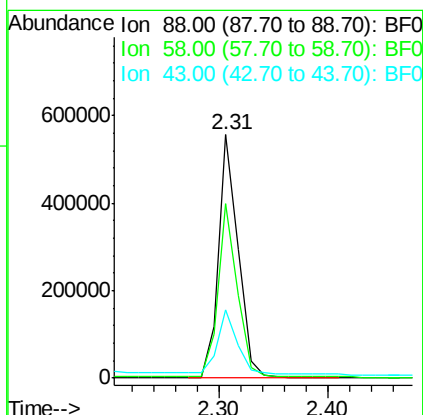
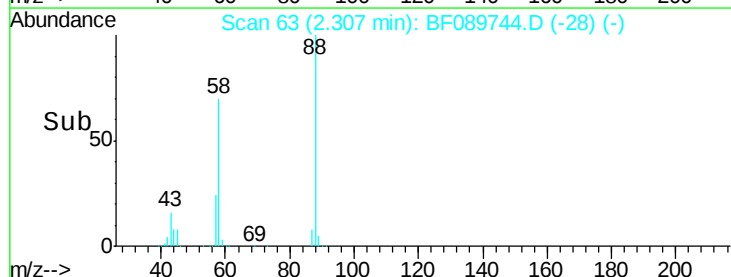
43 27.6 21.8 32.8

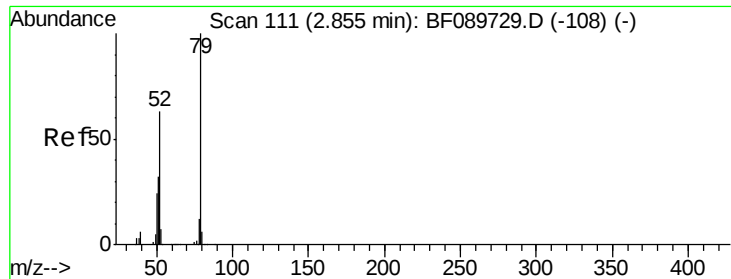


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 39.09 ng

RT: 2.95 min Scan# 119

Delta R.T. 0.09 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

Instrument :

BNA_F

ClientSampleId :

PB92884BS

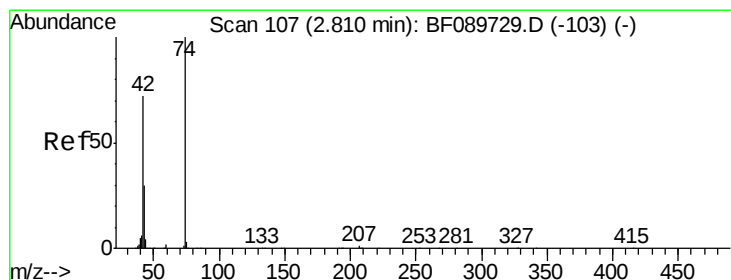
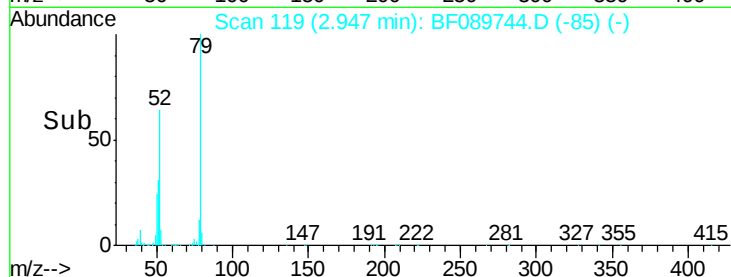
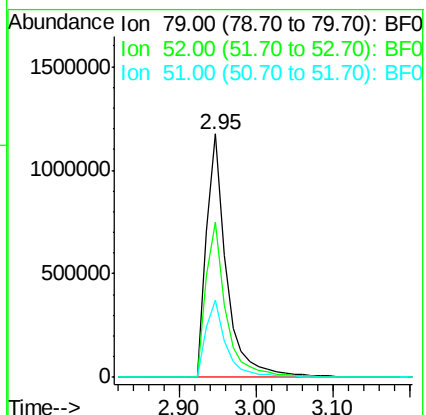
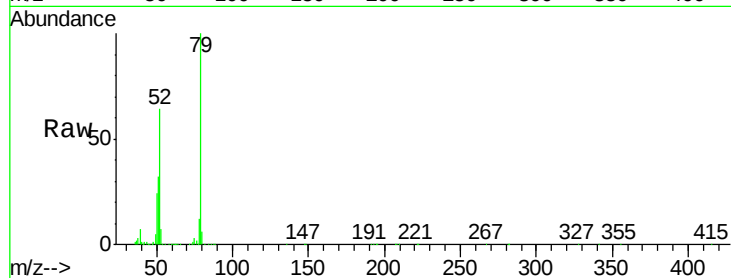
Tgt Ion: 79 Resp: 2130523

Ion Ratio Lower Upper

79 100

52 63.7 53.6 80.4

51 31.6 26.6 39.8



#4

n-Nitrosodimethylamine

Concen: 42.66 ng

RT: 2.91 min Scan# 116

Delta R.T. 0.10 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

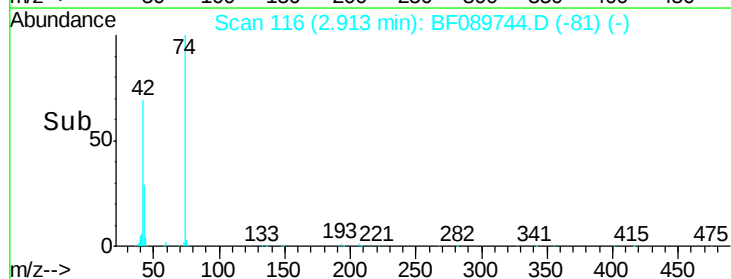
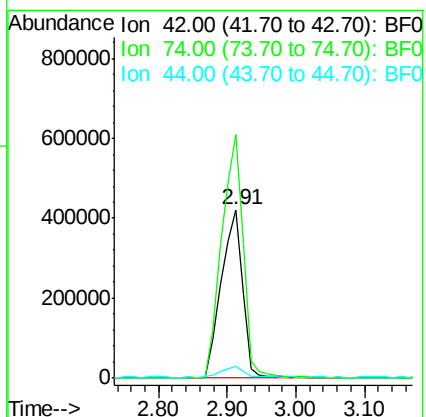
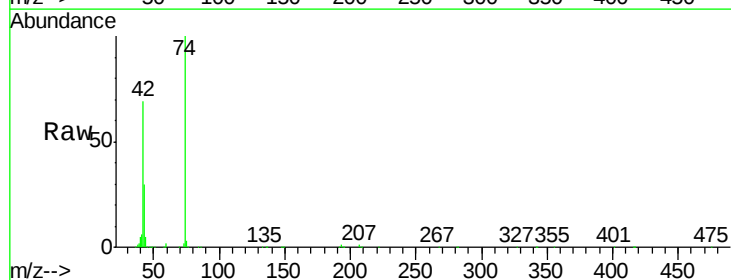
Tgt Ion: 42 Resp: 933258

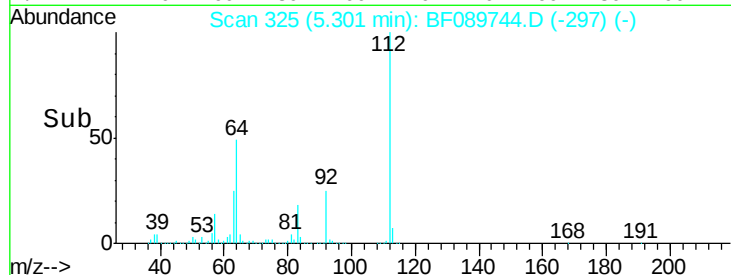
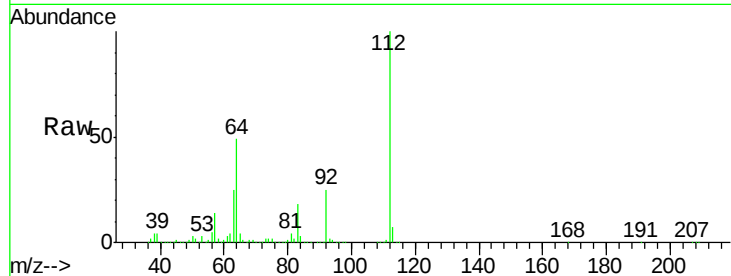
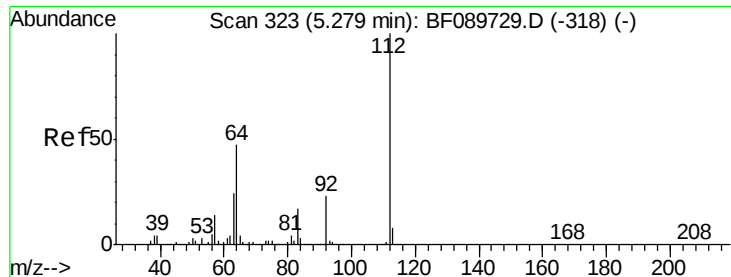
Ion Ratio Lower Upper

42 100

74 144.6 106.2 159.2

44 7.1 6.9 10.3





#5

2-Fluorophenol

Concen: 137.72 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.02 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

Instrument :

BNA_F

ClientSampleId :

PB92884BS

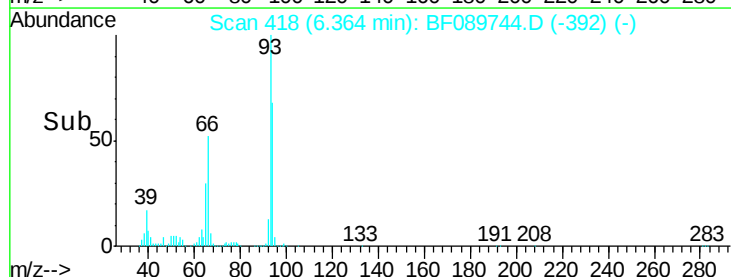
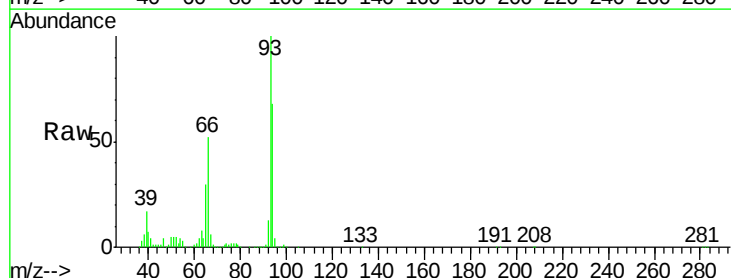
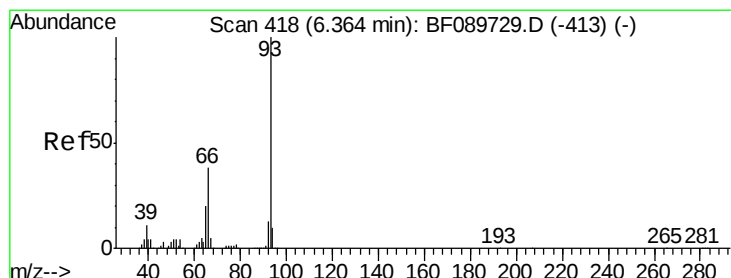
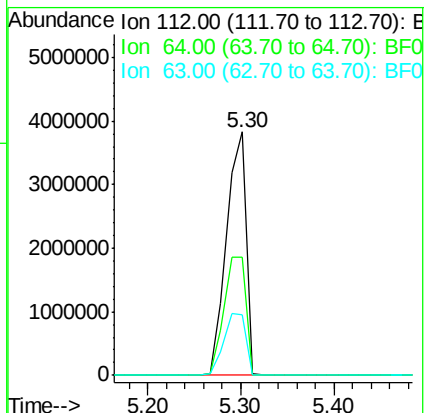
Tgt Ion:112 Resp: 5642494

Ion Ratio Lower Upper

112 100

64 48.5 45.0 67.4

63 24.8 23.1 34.7



#6

Aniline

Concen: 34.88 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

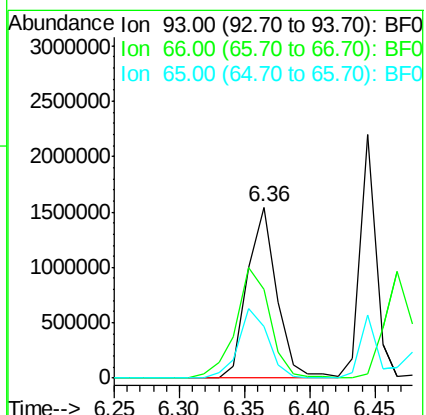
Tgt Ion: 93 Resp: 2443284

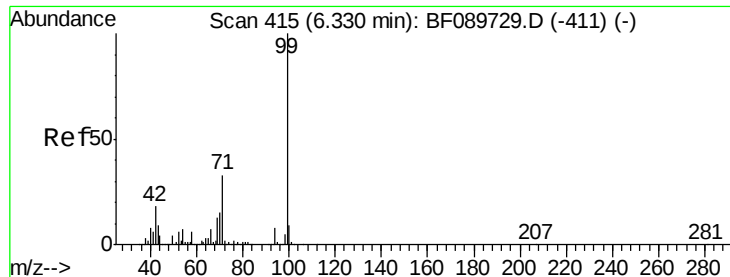
Ion Ratio Lower Upper

93 100

66 51.6 30.6 46.0#

65 30.0 15.4 23.2#





#7

Phenol-d6

Concen: 128.22 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

Instrument :

BNA_F

ClientSampleId :

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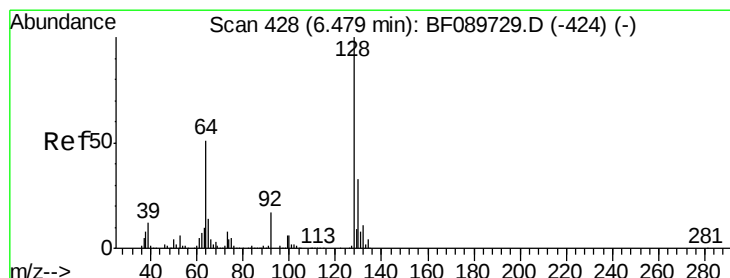
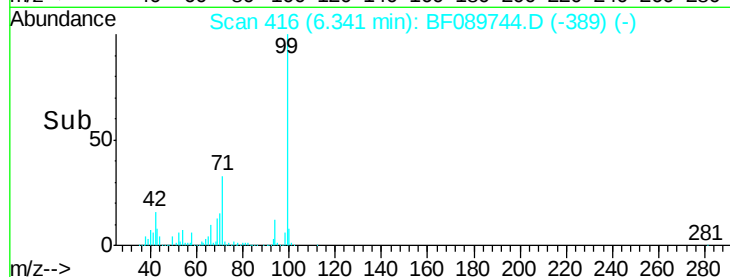
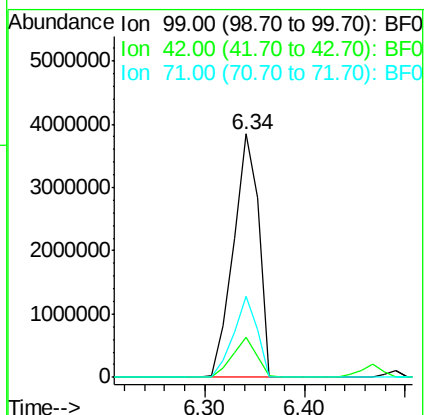
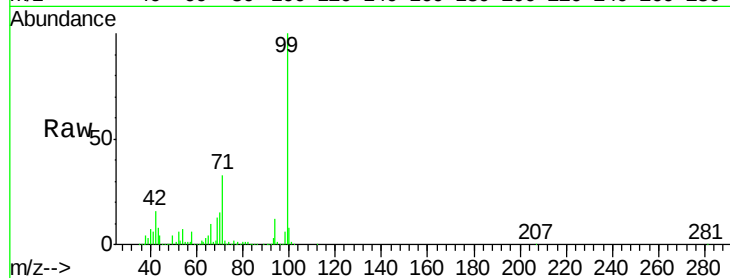
Tgt Ion: 99 Resp: 6681923

Ion Ratio Lower Upper

99 100

42 16.5 12.2 18.4

71 33.2 23.8 35.8



#8

2-Chlorophenol

Concen: 46.53 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

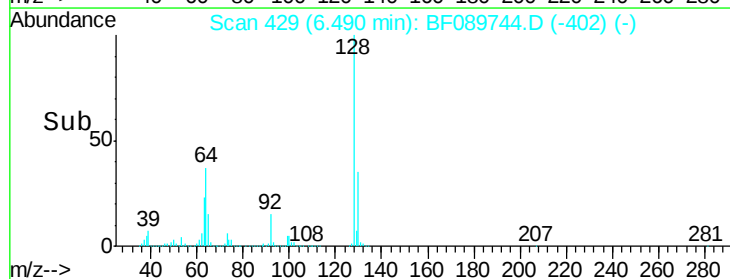
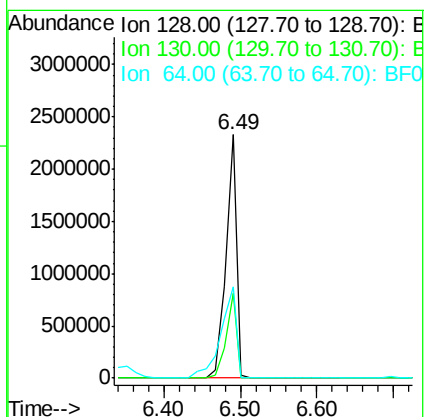
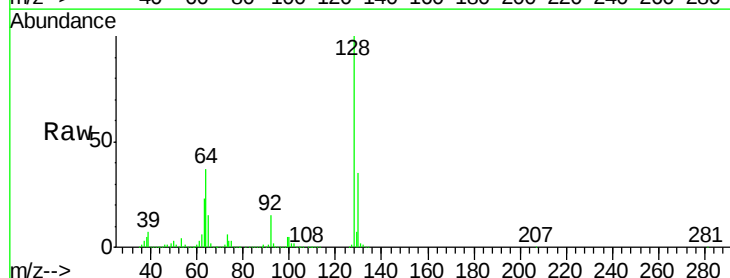
Tgt Ion: 128 Resp: 2267622

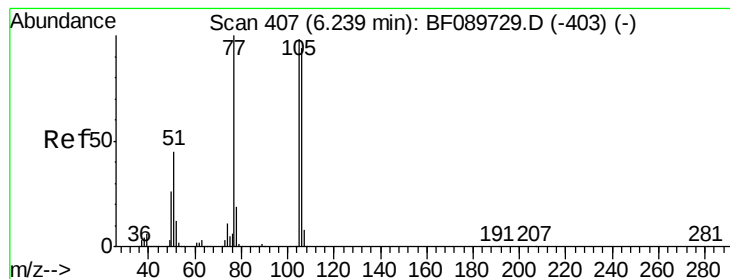
Ion Ratio Lower Upper

128 100

130 34.7 12.0 52.0

64 37.3 35.1 75.1





#9

Benzaldehyde

Concen: 17.44 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

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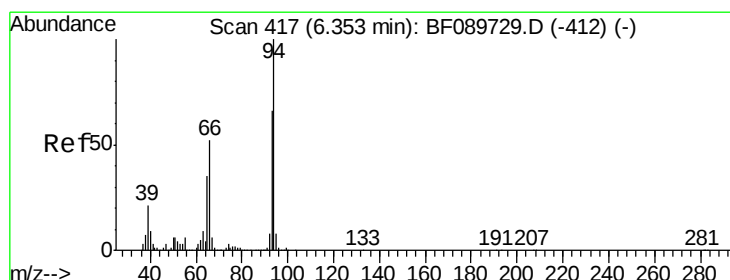
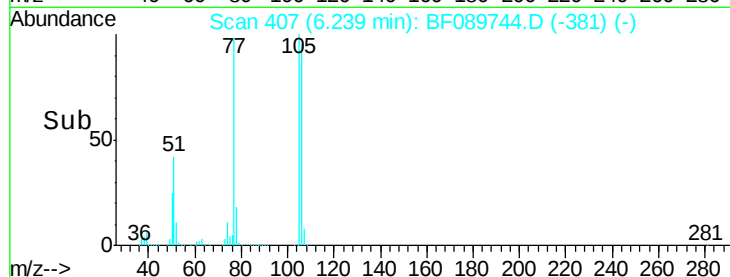
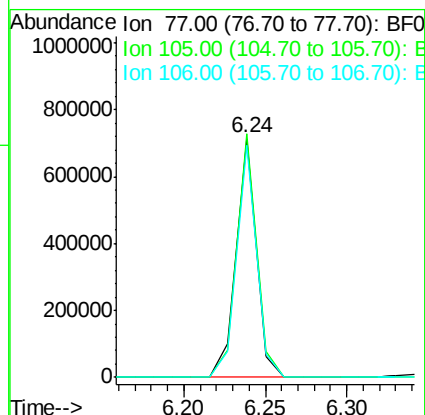
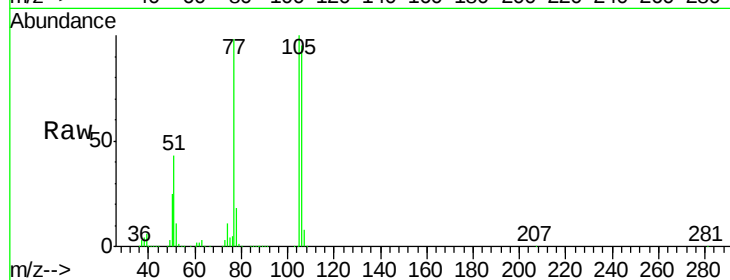
Tgt Ion: 77 Resp: 602402

Ion Ratio Lower Upper

77 100

105 102.1 73.3 113.3

106 97.4 68.6 108.6



#10

Phenol

Concen: 34.48 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

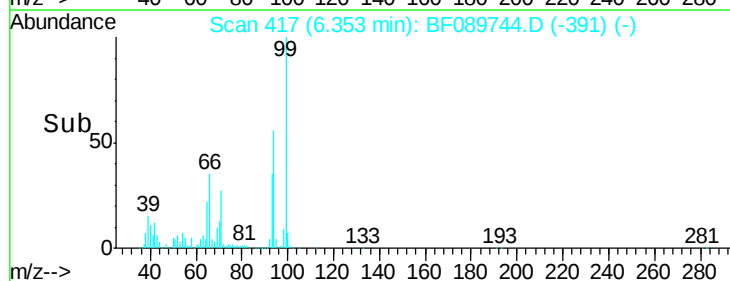
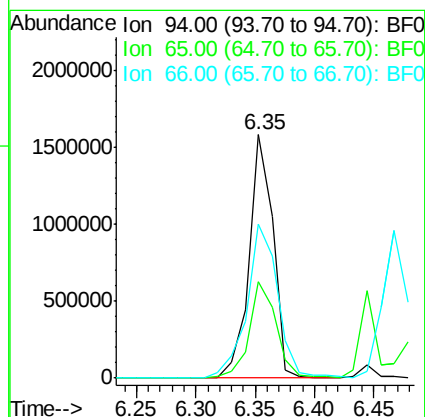
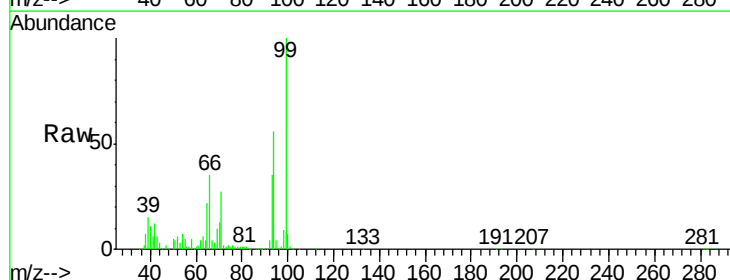
Tgt Ion: 94 Resp: 2236832

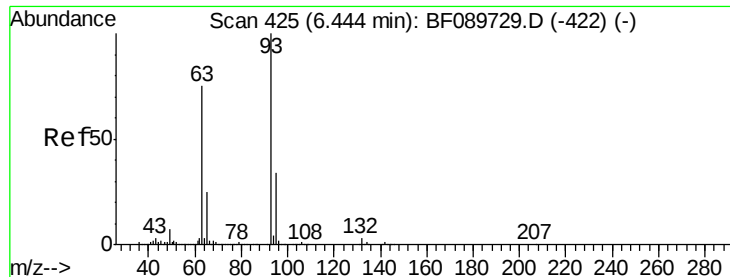
Ion Ratio Lower Upper

94 100

65 39.7 14.0 54.0

66 63.3 31.2 71.2



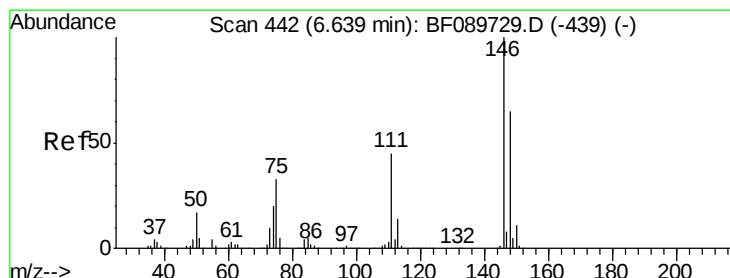
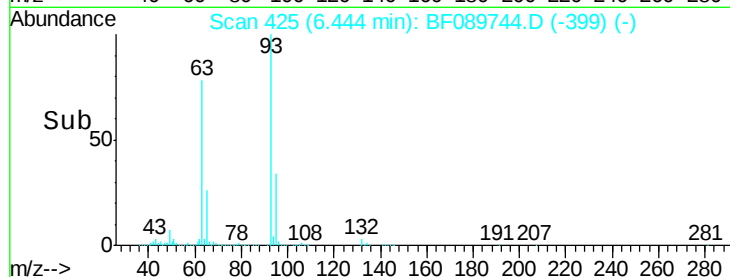
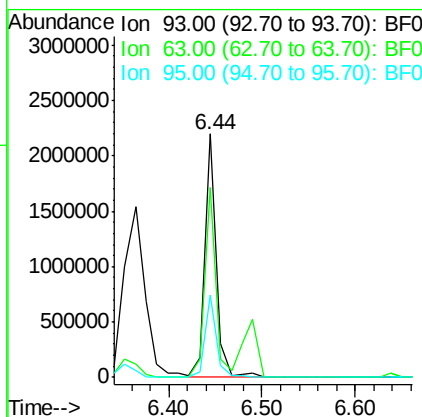
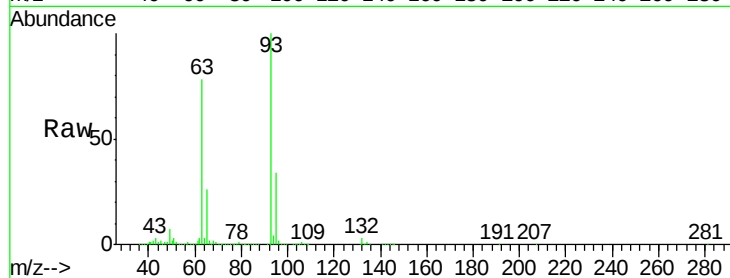


#11
 bis(2-Chloroethyl)ether
 Concen: 39.58 ng
 RT: 6.44 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: BF089744.D
 Acq: 17 Aug 2016 5:23

Instrument :
 BNA_F
 ClientSampleId :
 PB92884BS

Tgt Ion: 93 Resp: 1902027

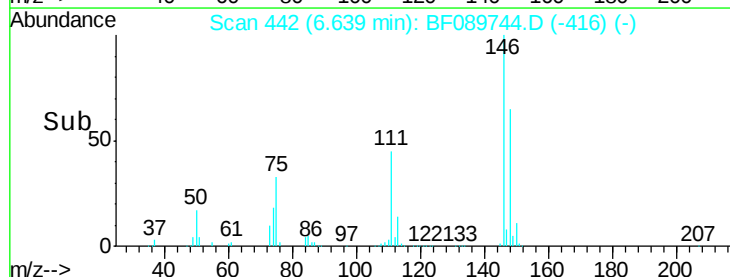
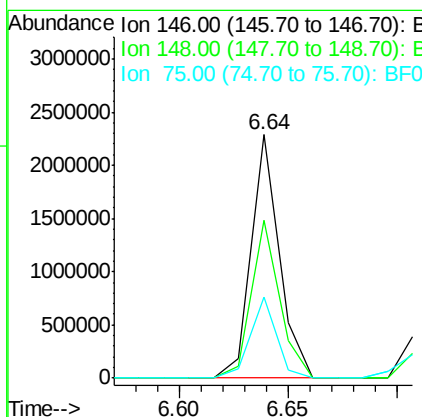
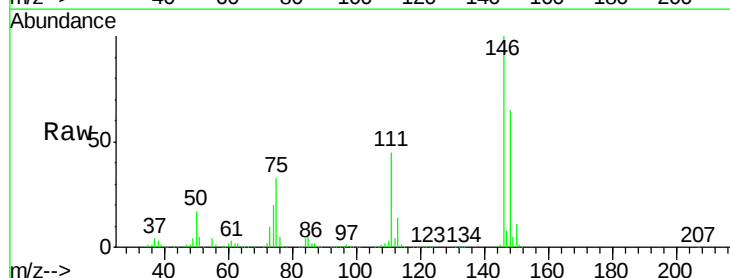
Ion	Ratio	Lower	Upper
93	100		
63	77.8	55.8	95.8
95	33.9	13.0	53.0

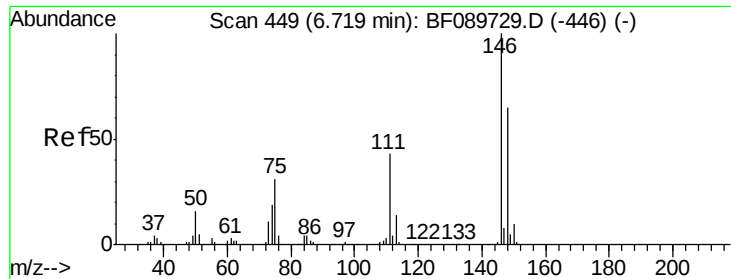


#12
 1,3-Dichlorobenzene
 Concen: 39.44 ng
 RT: 6.64 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: BF089744.D
 Acq: 17 Aug 2016 5:23

Tgt Ion: 146 Resp: 2054510

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	33.2	27.0	40.6

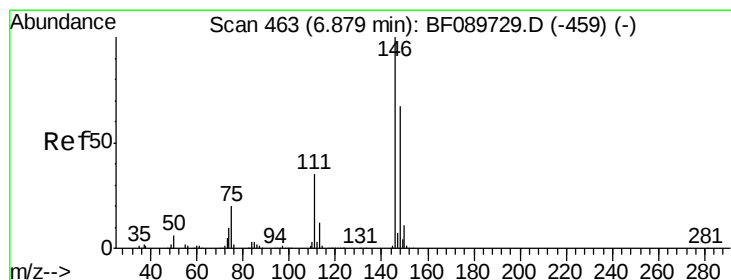
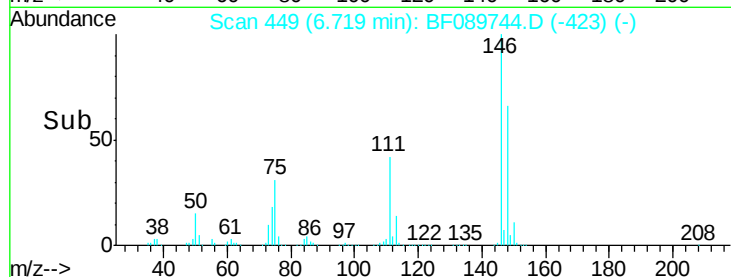
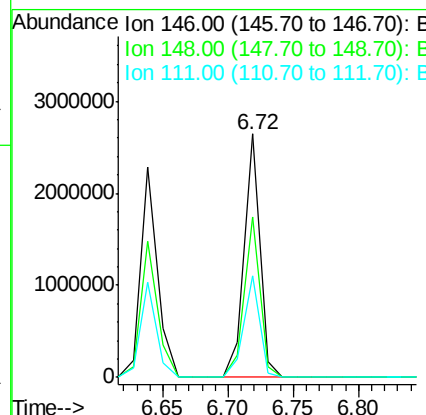
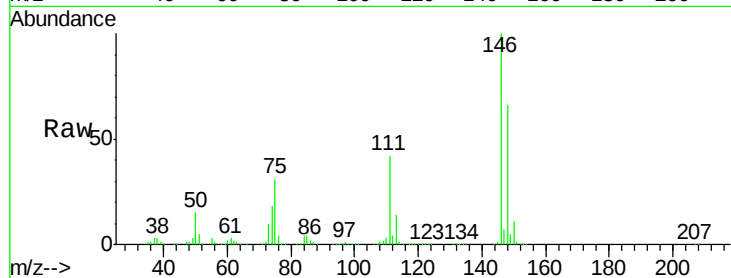




#13
 1,4-Dichlorobenzene
 Concen: 41.63 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BF089744.D
 Acq: 17 Aug 2016 5:23

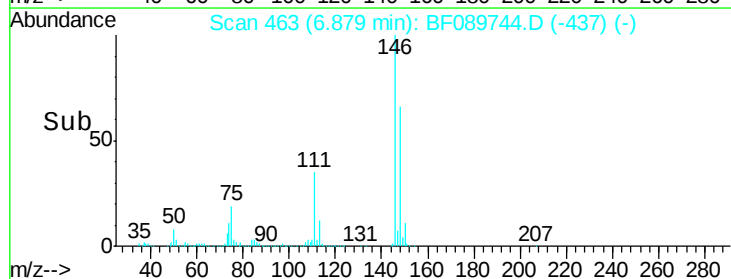
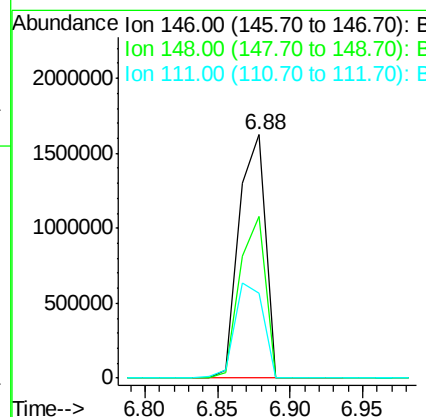
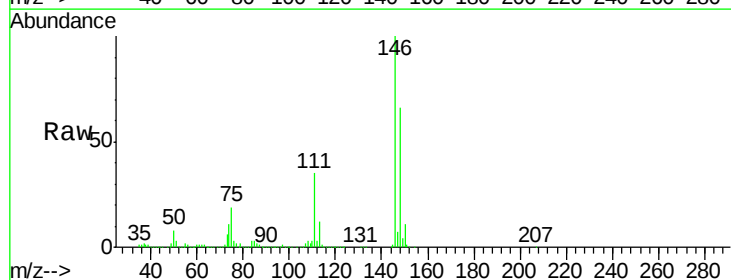
Instrument :
 BNA_F
 ClientSampleId :
 PB92884BS

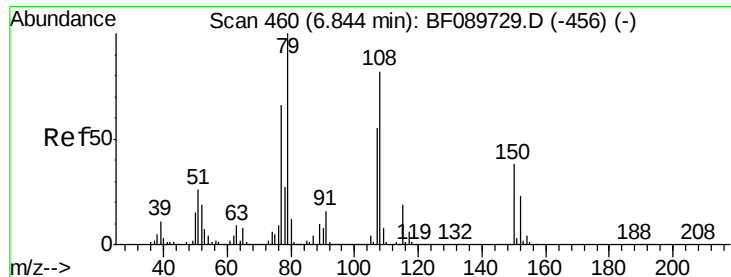
Tgt Ion:146 Resp: 2196857
 Ion Ratio Lower Upper
 146 100
 148 65.8 51.0 76.6
 111 41.8 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 40.57 ng
 RT: 6.88 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF089744.D
 Acq: 17 Aug 2016 5:23

Tgt Ion:146 Resp: 2041115
 Ion Ratio Lower Upper
 146 100
 148 66.5 52.2 78.2
 111 35.1 29.8 44.6





#15

Benzyl Alcohol

Concen: 45.74 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

Instrument :

BNA_F

ClientSampleId :

PB92884BS

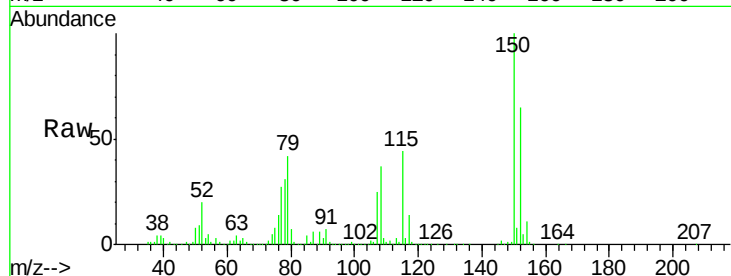
Tgt Ion: 79 Resp: 1592990

Ion Ratio Lower Upper

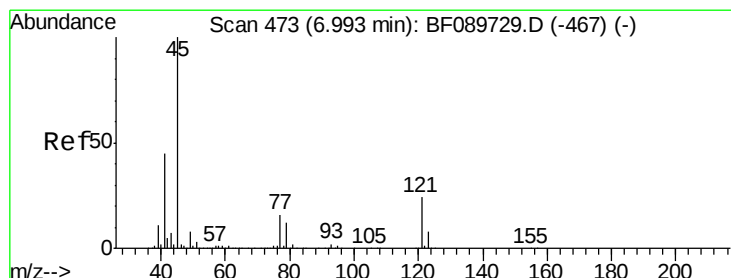
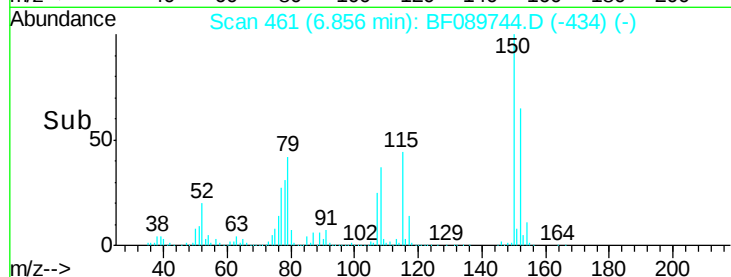
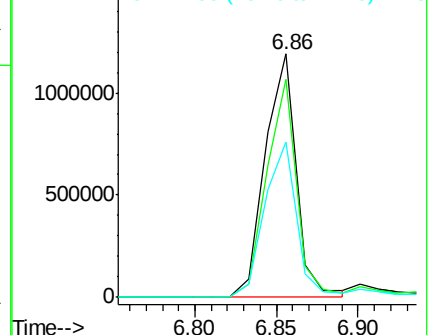
79 100

108 89.7 62.5 93.7

77 63.7 51.5 77.3



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.49 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF089744.D

Acq: 17 Aug 2016 5:23

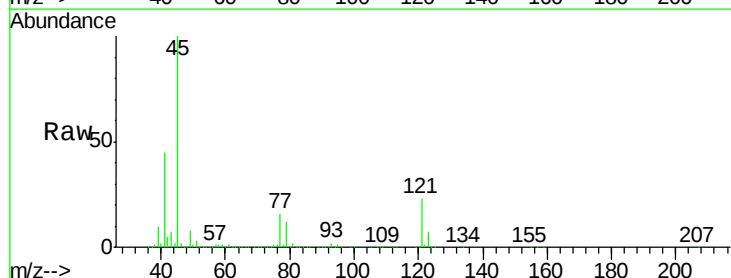
Tgt Ion: 45 Resp: 2427005

Ion Ratio Lower Upper

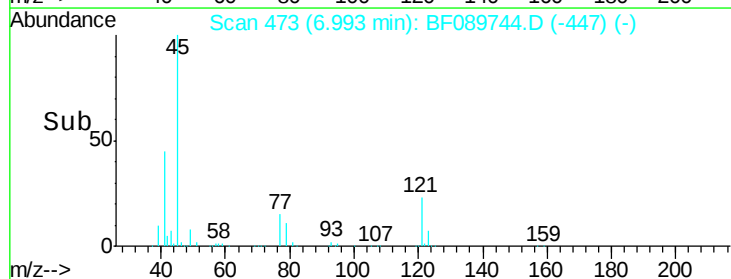
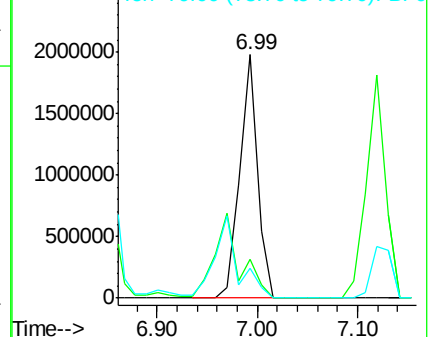
45 100

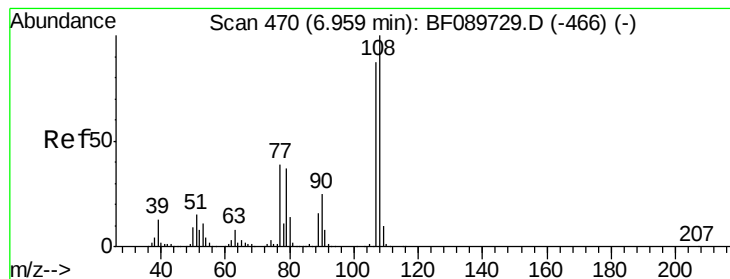
77 15.9 0.0 33.5

79 12.4 0.0 30.7



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

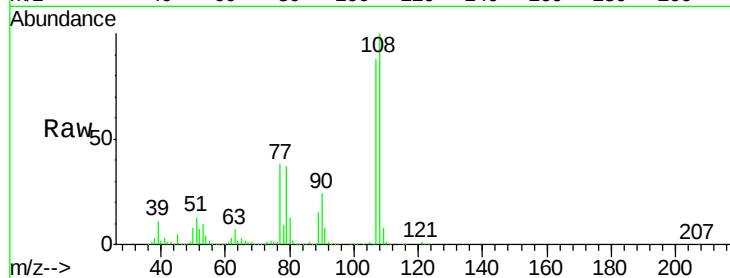




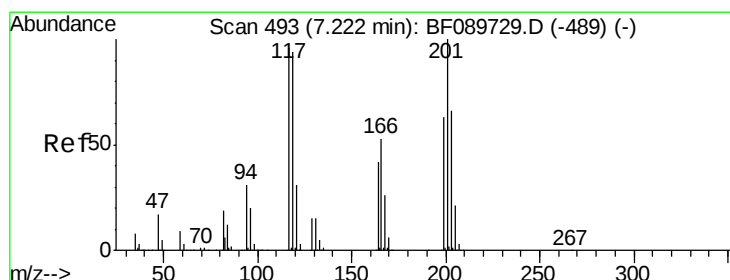
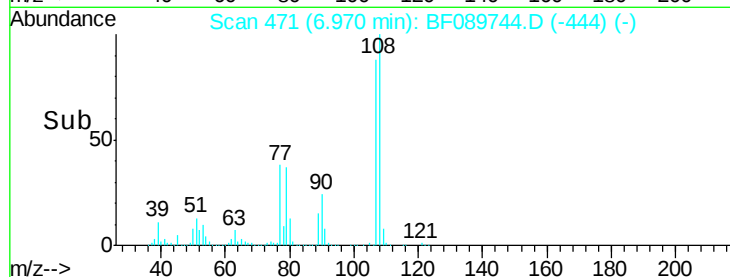
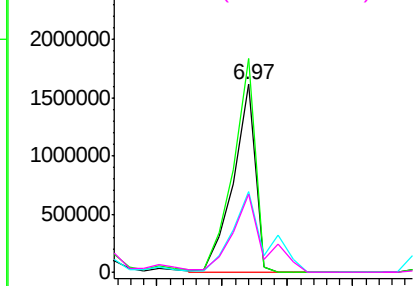
#17
2-Methylphenol
Concen: 48.54 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.01 min
Lab File: BF089744.D
Acq: 17 Aug 2016 5:23

Instrument :
BNA_F
ClientSampled :
PB92884BS

Tgt Ion:107 Resp: 1879272
Ion Ratio Lower Upper
107 100
108 113.6 91.0 136.4
77 43.0 37.4 56.0
79 41.6 36.6 55.0

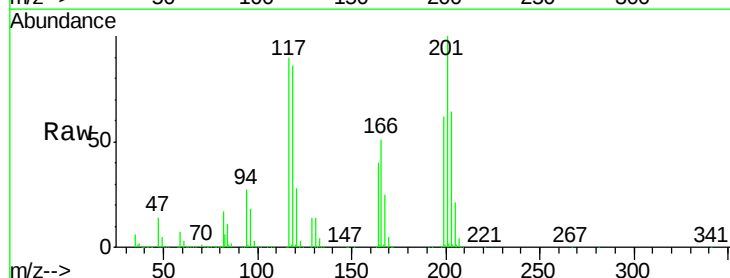


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

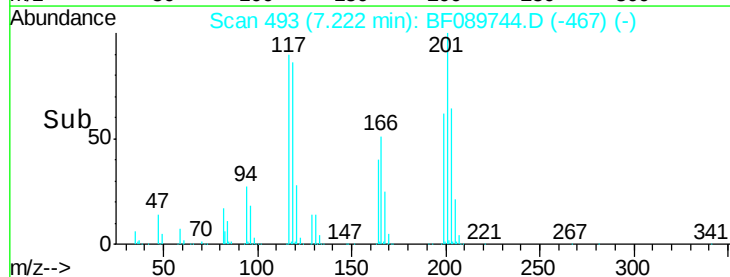
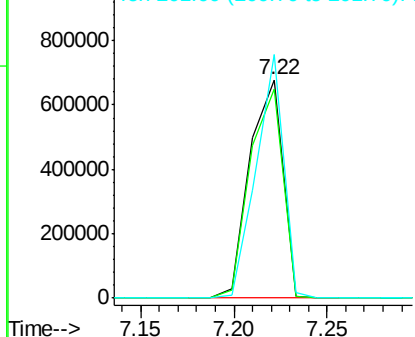


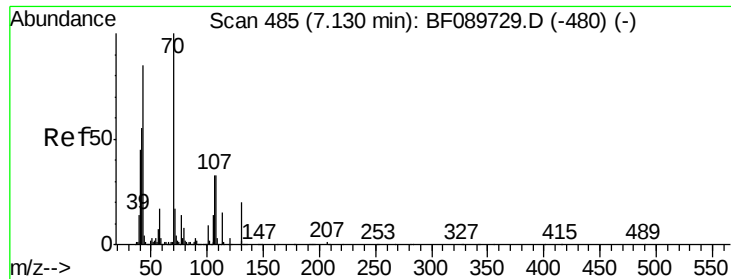
#18
Hexachloroethane
Concen: 42.99 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF089744.D
Acq: 17 Aug 2016 5:23

Tgt Ion:117 Resp: 831446
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7
201 111.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

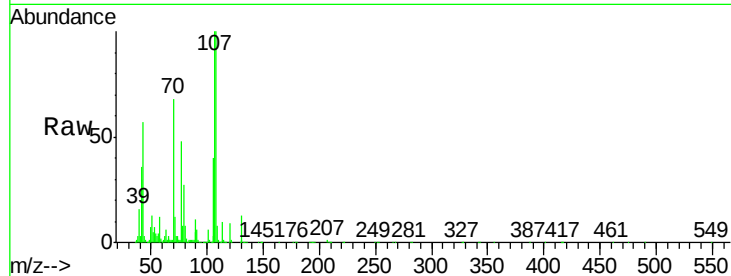




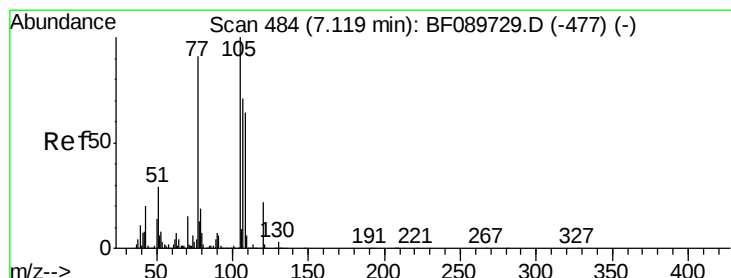
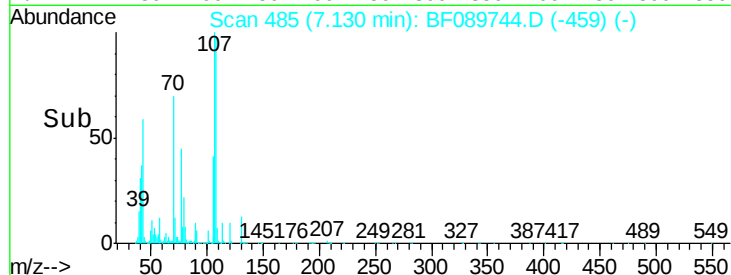
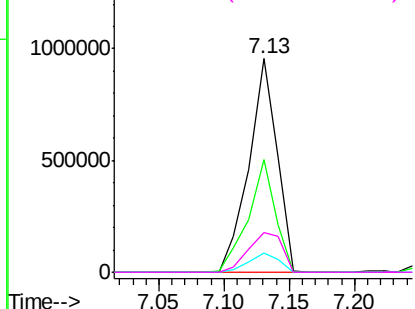
#19
n-Nitroso-di-n-propylamine
Concen: 42.14 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.00 min
Lab File: BF089744.D
Acq: 17 Aug 2016 5:23

Instrument :
BNA_F
ClientSampled :
PB92884BS

Tgt Ion: 70 Resp: 1438214
Ion Ratio Lower Upper
70 100
42 53.0 46.3 69.5
101 9.1 7.0 10.6
130 18.8 14.4 21.6

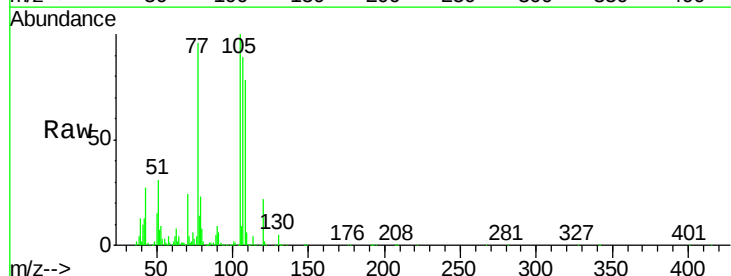


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 45.57 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089744.D
Acq: 17 Aug 2016 5:23

Tgt Ion: 107 Resp: 2259616
Ion Ratio Lower Upper
107 100
108 88.1 68.2 108.2
77 108.9 122.3 162.3#
79 25.4 8.2 48.2



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

