

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072716\
 Data File : BF089334.D
 Acq On : 27 Jul 2016 17:51
 Operator : UM/SJ
 Sample : PB92421BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92421BS

Quant Time: Jul 28 01:01:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	45660	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	198647	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	96186	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	183053	20.00	ng	0.00
75) Chrysene-d12	13.67	240	137683	20.00	ng	0.00
86) Perylene-d12	15.01	264	111027	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	372062	130.11	ng	0.02
7) Phenol-d6	6.20	99	501815	132.79	ng	0.00
23) Nitrobenzene-d5	7.12	82	325145	96.61	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	105733	132.73	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	628432	95.88	ng	0.00
78) Terphenyl-d14	12.63	244	515175	87.57	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.04	88	47429	36.28	ng	# 95
3) Pyridine	2.65	79	103272	36.91	ng	98
4) n-Nitrosodimethylamine	2.63	42	47038	41.99	ng	98
6) Aniline	6.22	93	117379	28.77	ng	# 37
8) 2-Chlorophenol	6.33	128	146802	45.38	ng	94
9) Benzaldehyde	6.09	77	16930	9.17	ng	88
10) Phenol	6.22	94	177090	42.47	ng	86
11) bis(2-Chloroethyl)ether	6.30	93	145637	41.10	ng	99
12) 1,3-Dichlorobenzene	6.48	146	147502	43.59	ng	99
13) 1,4-Dichlorobenzene	6.56	146	157866	42.28	ng	99
14) 1,2-Dichlorobenzene	6.56	146	161380	46.14	ng	96
15) Benzyl Alcohol	6.71	79	122600	52.28	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.84	45	160363	41.49	ng	84
17) 2-Methylphenol	6.83	107	112062	44.82	ng	96
18) Hexachloroethane	7.05	117	60816	42.48	ng	94
19) n-Nitroso-di-n-propylamine	6.98	70	107993	47.39	ng	98
20) 3+4-Methylphenols	6.99	107	146527	45.64	ng	87
22) Acetophenone	6.97	105	211872	44.80	ng	99
24) Nitrobenzene	7.14	77	145796	38.06	ng	98
25) Isophorone	7.38	82	289828	42.75	ng	99
26) 2-Nitrophenol	7.45	139	71808	41.93	ng	# 78
27) 2,4-Dimethylphenol	7.51	122	121243	44.44	ng	98
28) bis(2-Chloroethoxy)methane	7.60	93	180391	48.07	ng	99
29) 2,4-Dichlorophenol	7.70	162	123267	49.59	ng	99
30) 1,2,4-Trichlorobenzene	7.78	180	121910	42.98	ng	100
31) Naphthalene	7.85	128	444244	45.16	ng	99
32) Benzoic acid	7.68	122	72907	38.35	ng	94
33) 4-Chloroaniline	7.92	127	68267	18.23	ng	96
34) Hexachlorobutadiene	7.98	225	68878	42.40	ng	98
35) Caprolactam	8.30	113	19122	25.49	ng	99
36) 4-Chloro-3-methylphenol	8.42	107	140744	47.64	ng	95
37) 2-Methylnaphthalene	8.55	142	271838	45.86	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	114741	34.09	ng	99
40) Hexachlorocyclopentadiene	8.70	237	93142	95.17	ng	97

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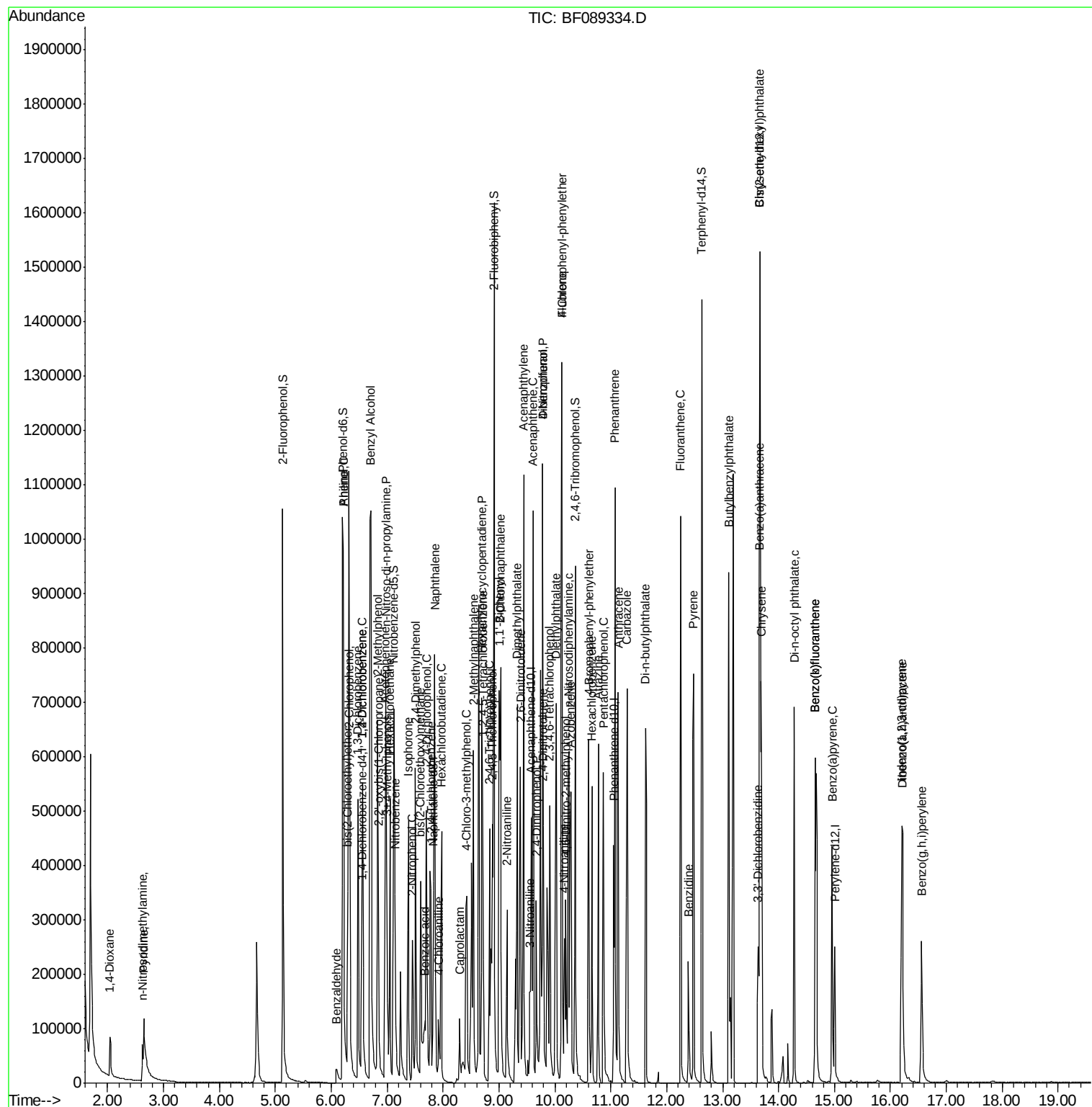
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.83	196	73029	45.63	ng	98
43) 2,4,5-Trichlorophenol	8.88	196	88792	43.80	ng #	92
45) 1,1'-Biphenyl	9.00	154	327371	39.97	ng	99
46) 2-Chloronaphthalene	9.03	162	260824	42.41	ng	100
47) 2-Nitroaniline	9.14	65	83861	46.04	ng	99
48) Acenaphthylene	9.44	152	423981	43.76	ng	99
49) Dimethylphthalate	9.32	163	330372	45.13	ng	100
50) 2,6-Dinitrotoluene	9.38	165	71270	47.38	ng	87
51) Acenaphthene	9.61	154	251375	44.43	ng	99
52) 3-Nitroaniline	9.55	138	38519	24.27	ng	94
53) 2,4-Dinitrophenol	9.67	184	55706	79.94	ng	86
54) Dibenzofuran	9.78	168	362136	46.98	ng	97
55) 4-Nitrophenol	9.78	139	251899	306.84	ng #	10
56) 2,4-Dinitrotoluene	9.79	165	89070	44.98	ng #	65
57) Fluorene	10.12	166	308779	45.88	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.91	232	70016	51.73	ng	93
59) Diethylphthalate	10.02	149	341561	46.02	ng	96
60) 4-Chlorophenyl-phenylether	10.12	204	132715	43.00	ng	100
61) 4-Nitroaniline	10.17	138	67705	41.38	ng	92
62) Azobenzene	10.28	77	357876	46.82	ng	84
64) 4,6-Dinitro-2-methylphenol	10.19	198	45376	41.70	ng #	59
65) n-Nitrosodiphenylamine	10.25	169	257447	45.07	ng	99
66) 4-Bromophenyl-phenylether	10.60	248	80713	46.18	ng #	91
67) Hexachlorobenzene	10.66	284	74739	41.73	ng	92
68) Atrazine	10.78	200	75812	43.21	ng	97
69) Pentachlorophenol	10.87	266	75672	86.66	ng	100
70) Phenanthrene	11.07	178	430368	45.59	ng	100
71) Anthracene	11.13	178	456635	43.50	ng	99
72) Carbazole	11.29	167	415497	47.02	ng	99
73) Di-n-butylphthalate	11.62	149	498202	42.03	ng	99
74) Fluoranthene	12.25	202	461967	46.52	ng	98
76) Benzidine	12.39	184	137089	26.95	ng	96
77) Pyrene	12.48	202	458729	43.96	ng	99
79) Butylbenzylphthalate	13.11	149	213505	45.00	ng	93
80) Benzo(a)anthracene	13.66	228	340179	43.78	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	70358	25.16	ng	98
82) Chrysene	13.69	228	343342	41.51	ng	99
83) Bis(2-ethylhexyl)phthalate	13.67	149	295930	43.15	ng	99
84) Di-n-octyl phthalate	14.29	149	503281	47.03	ng	99
85) Indeno(1,2,3-cd)pyrene	16.21	276	257035	43.71	ng	99
87) Benzo(b)fluoranthene	14.65	252	597212	86.62	ng #	96
88) Benzo(k)fluoranthene	14.65	252	597472	94.25	ng	98
89) Benzo(a)pyrene	14.96	252	276046	44.63	ng #	94
90) Dibenzo(a,h)anthracene	16.22	278	216312	44.39	ng	96
91) Benzo(g,h,i)perylene	16.56	276	211975	44.26	ng	97

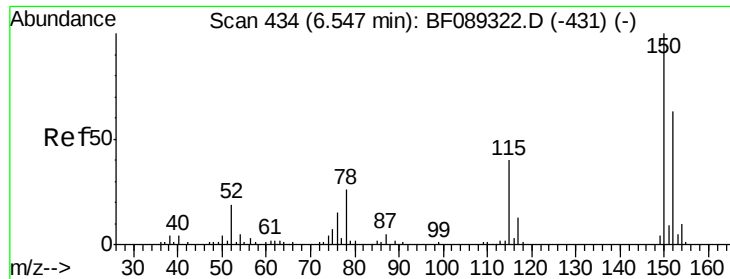
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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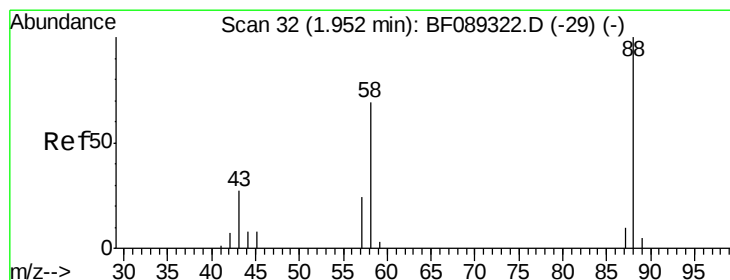
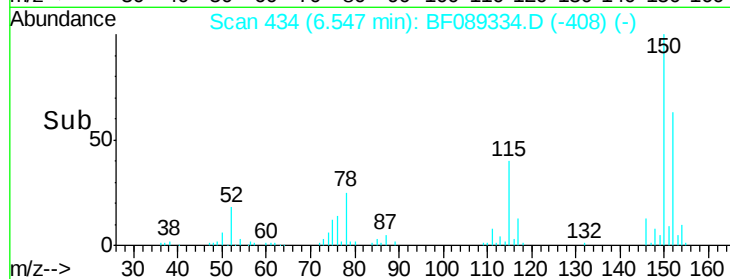
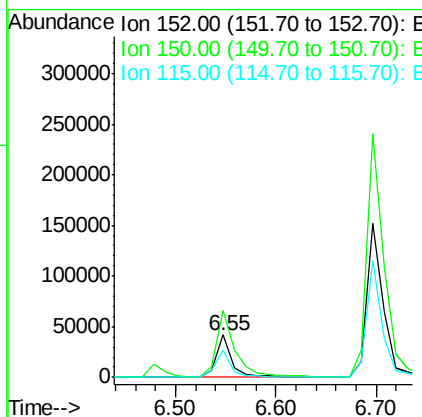
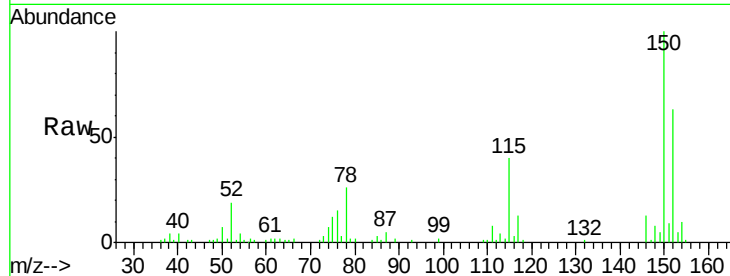




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: BF089334.D
 Acq: 27 Jul 2016 17:51

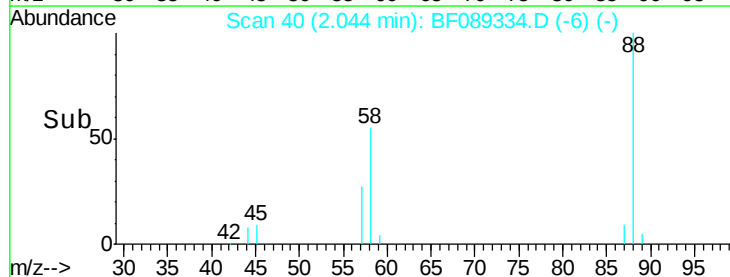
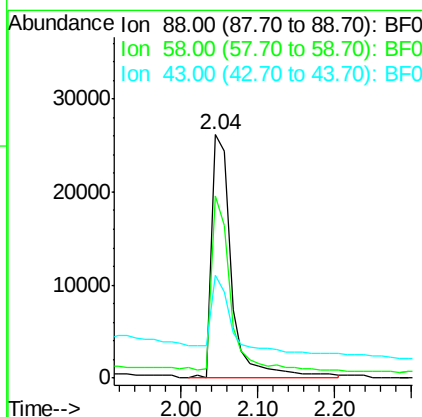
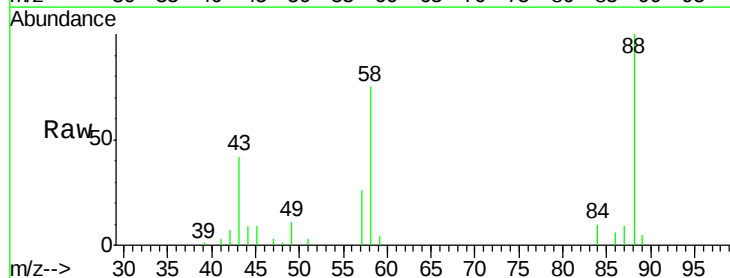
Instrument :
 BNA_F
 ClientSampleId :
 PB92421BS

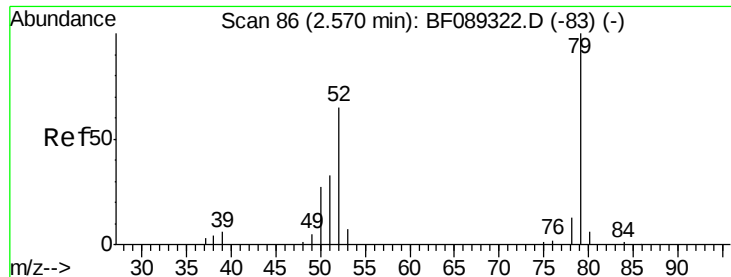
Tgt Ion:152 Resp: 45660
 Ion Ratio Lower Upper
 152 100
 150 159.8 129.5 194.3
 115 63.6 51.4 77.2



#2
 1,4-Dioxane
 Concen: 36.28 ng
 RT: 2.04 min Scan# 40
 Delta R.T. 0.09 min
 Lab File: BF089334.D
 Acq: 27 Jul 2016 17:51

Tgt Ion: 88 Resp: 47429
 Ion Ratio Lower Upper
 88 100
 58 65.5 53.2 79.8
 43 33.3 20.6 31.0#





#3

Pyridine

Concen: 36.91 ng

RT: 2.65 min Scan# 93

Delta R.T. 0.08 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

Instrument :

BNA_F

ClientSampleId :

PB92421BS

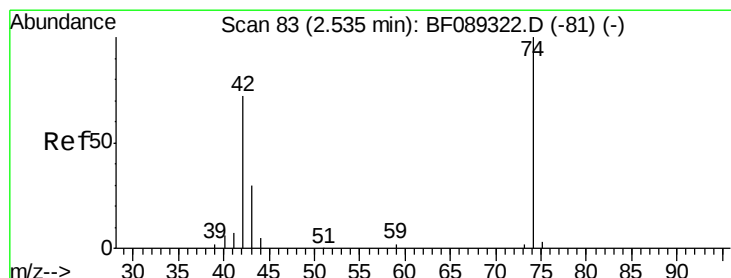
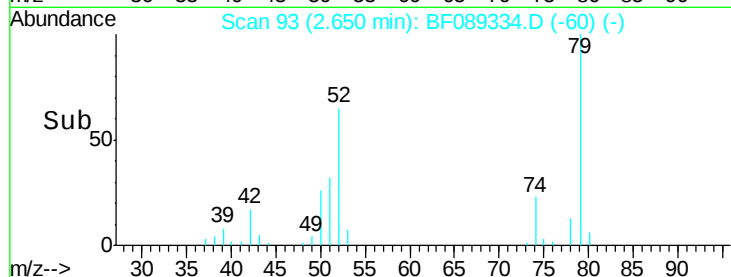
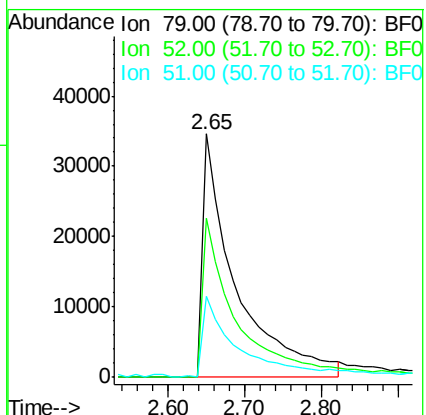
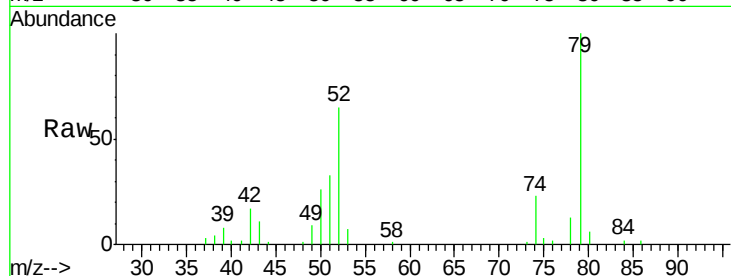
Tgt Ion: 79 Resp: 103272

Ion Ratio Lower Upper

79 100

52 65.4 51.9 77.9

51 33.2 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 41.99 ng

RT: 2.63 min Scan# 91

Delta R.T. 0.09 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

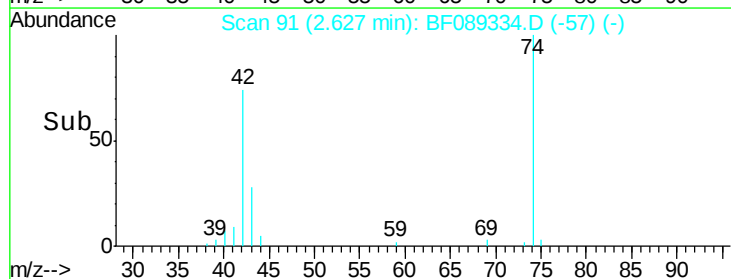
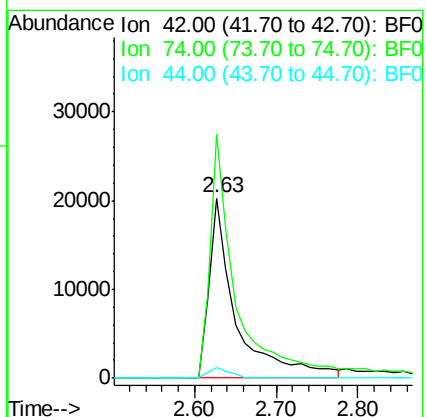
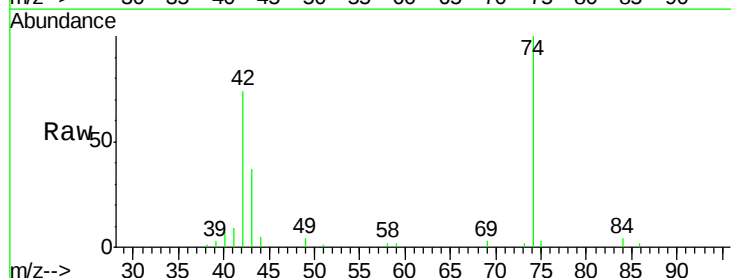
Tgt Ion: 42 Resp: 47038

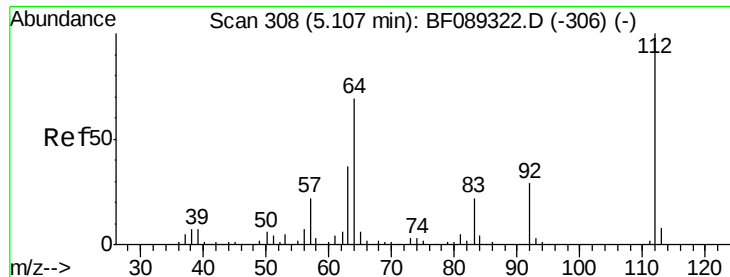
Ion Ratio Lower Upper

42 100

74 135.4 110.8 166.2

44 6.2 5.2 7.8





#5

2-Fluorophenol

Concen: 130.11 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.02 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

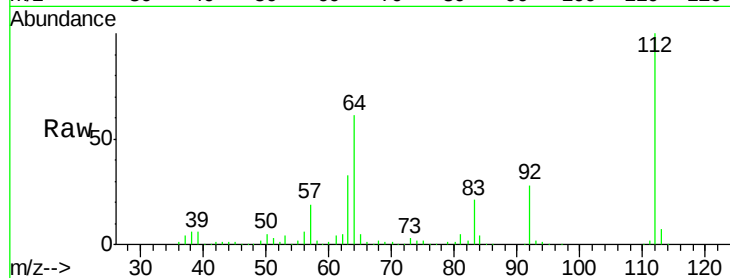
Instrument :

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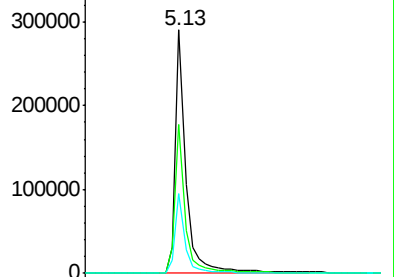
Tgt Ion:	112	Resp:	372062
Ion	Ratio	Lower	Upper
112	100		
64	61.2	55.0	82.6
63	32.7	29.4	44.2



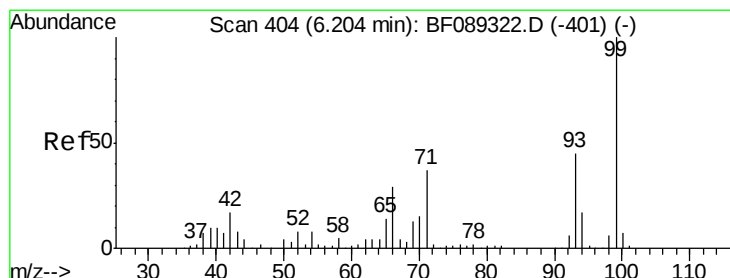
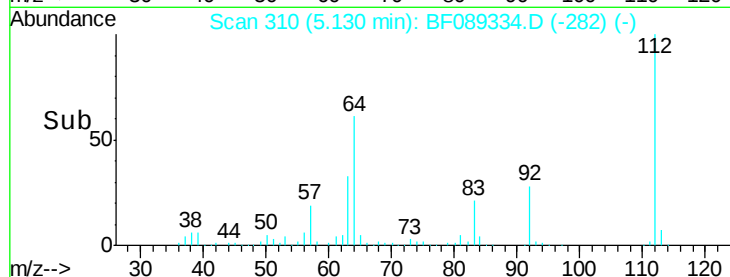
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#6

Aniline

Concen: 28.77 ng

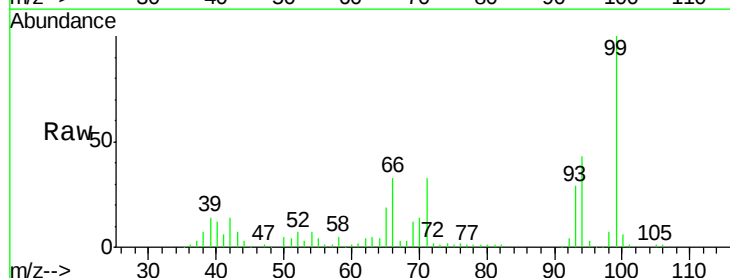
RT: 6.22 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

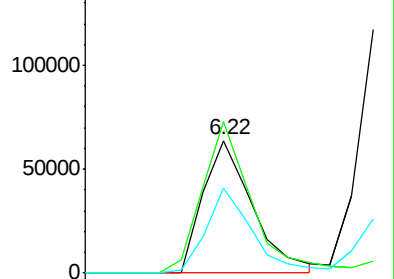
Tgt Ion:	93	Resp:	117379
Ion	Ratio	Lower	Upper
93	100		
66	114.4	51.6	77.4#
65	64.1	24.7	37.1#



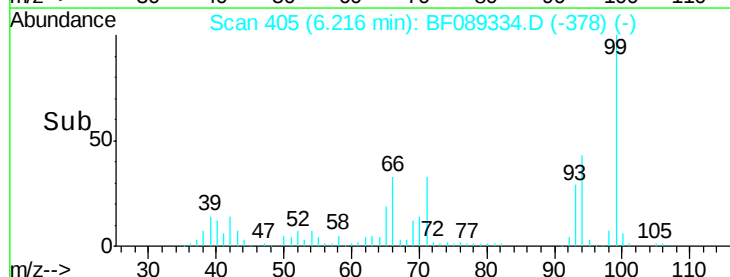
Abundance Ion 93.00 (92.70 to 93.70): BF0

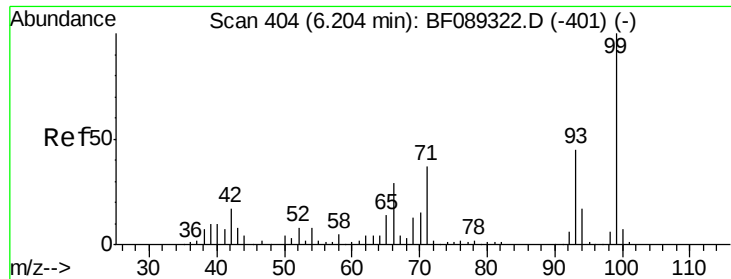
Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



Time-->





#7

Phenol-d6

Concen: 132.79 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

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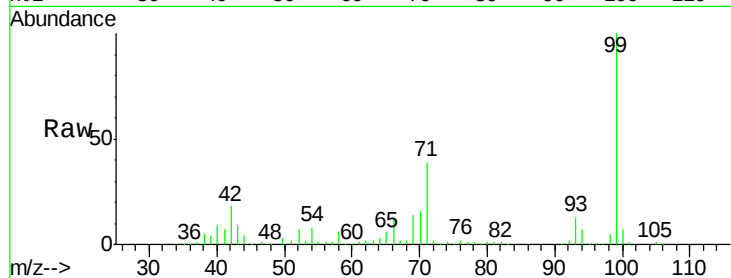
Tgt Ion: 99 Resp: 501815

Ion Ratio Lower Upper

99 100

42 18.4 13.6 20.4

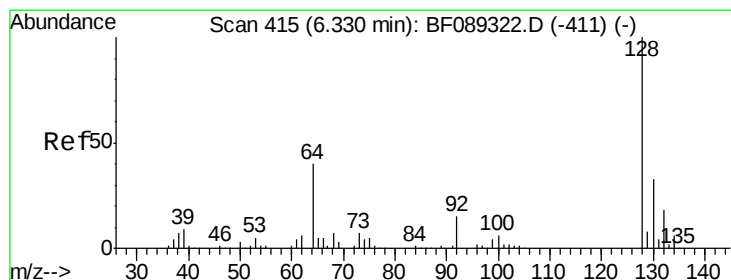
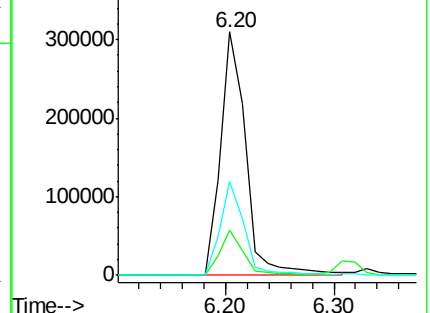
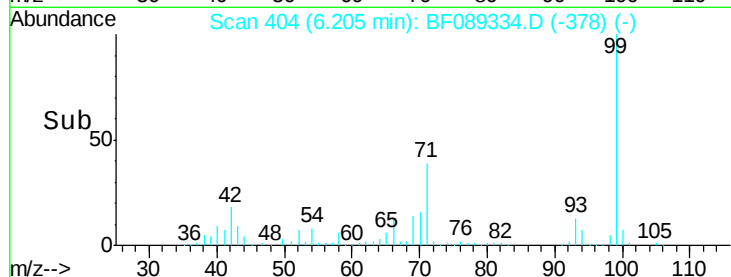
71 38.8 29.4 44.2



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: 45.38 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

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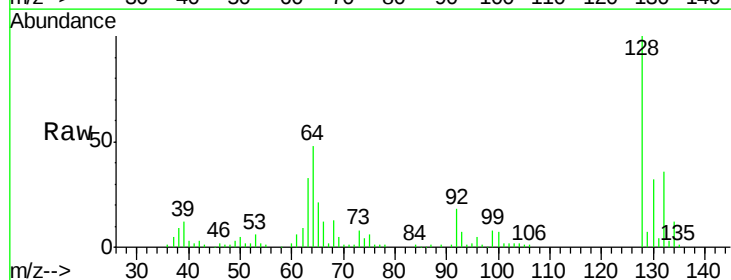
Tgt Ion: 128 Resp: 146802

Ion Ratio Lower Upper

128 100

130 32.4 12.6 52.6

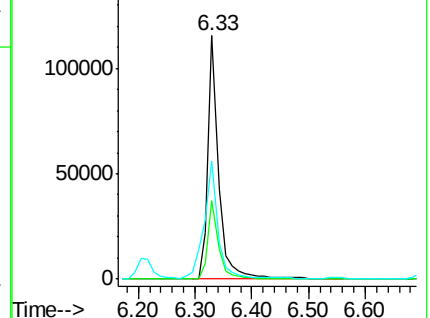
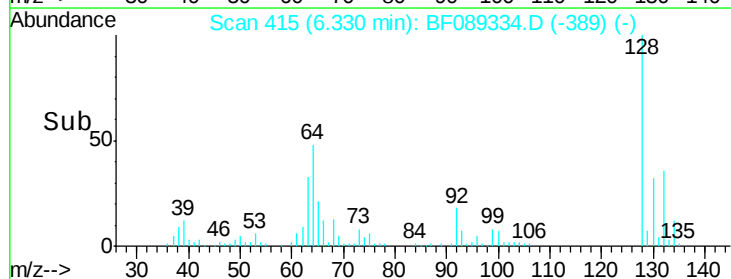
64 48.4 22.1 62.1

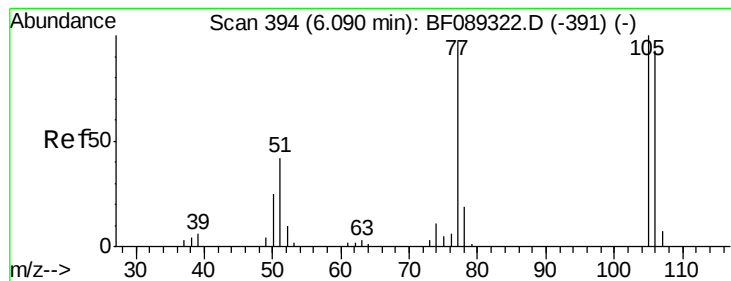


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 9.17 ng

RT: 6.09 min Scan# 394

Delta R.T. 0.00 min

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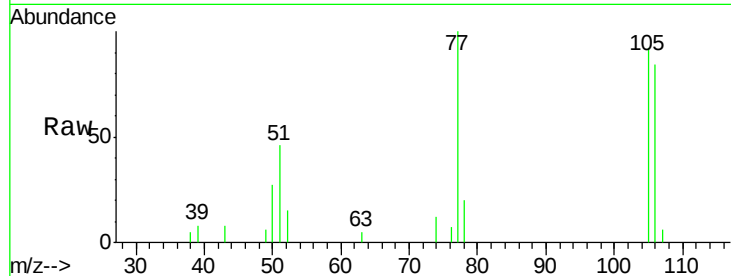
Tgt Ion: 77 Resp: 16930

Ion Ratio Lower Upper

77 100

105 91.9 82.9 122.9

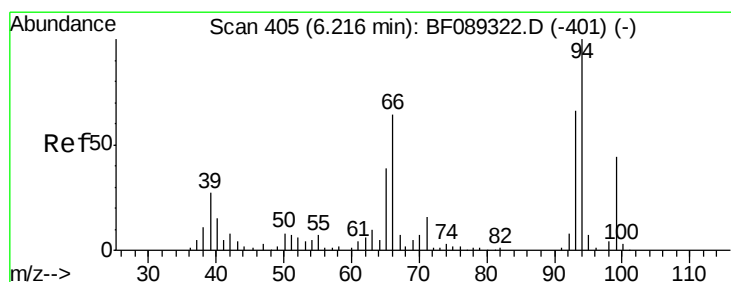
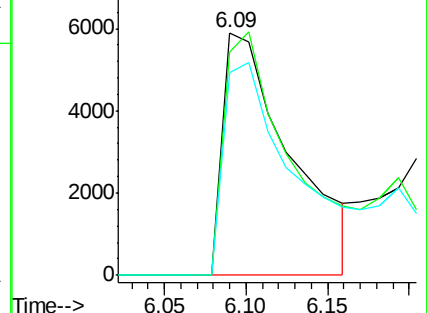
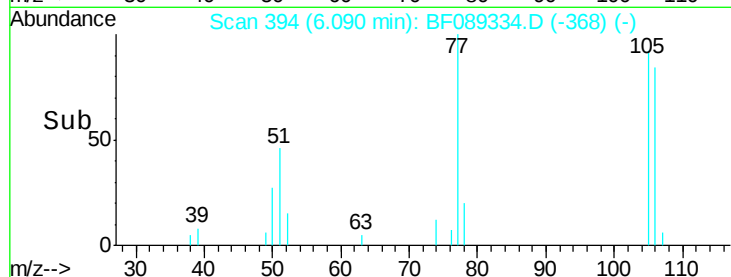
106 83.6 75.9 115.9



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: 42.47 ng

RT: 6.22 min Scan# 405

Delta R.T. 0.00 min

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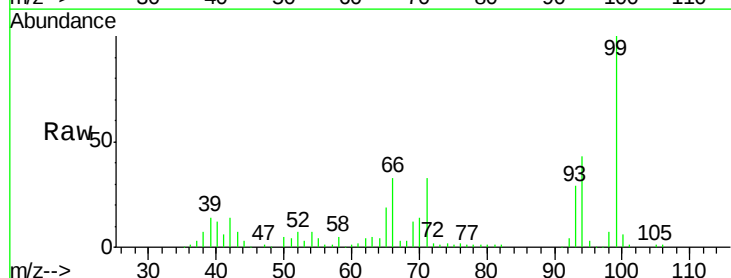
Tgt Ion: 94 Resp: 177090

Ion Ratio Lower Upper

94 100

65 43.9 19.1 59.1

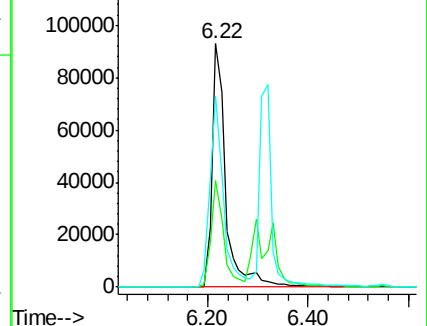
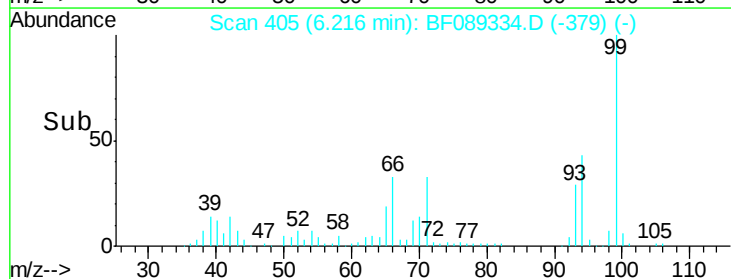
66 78.3 44.4 84.4

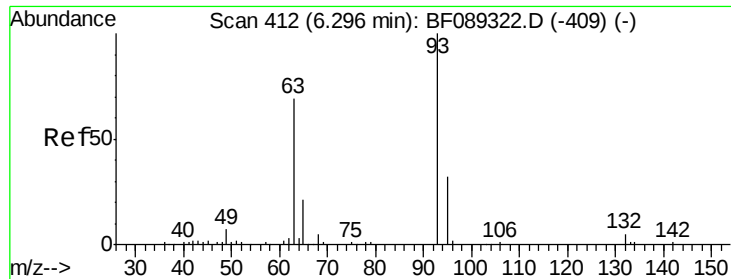


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

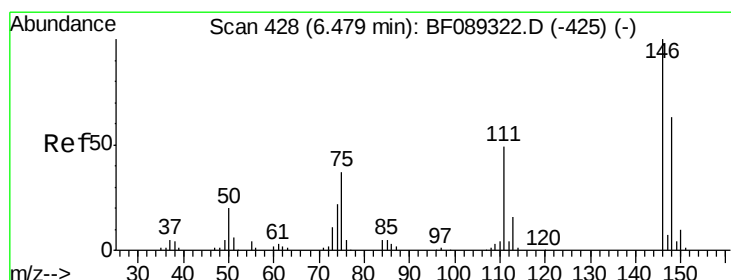
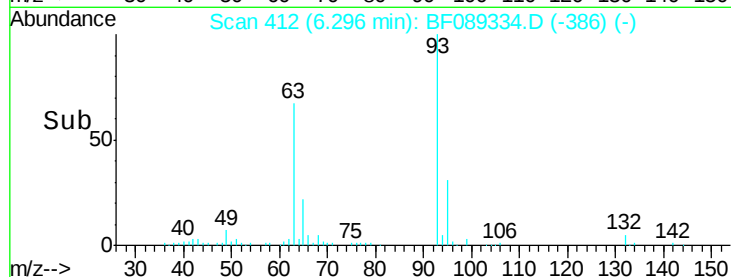
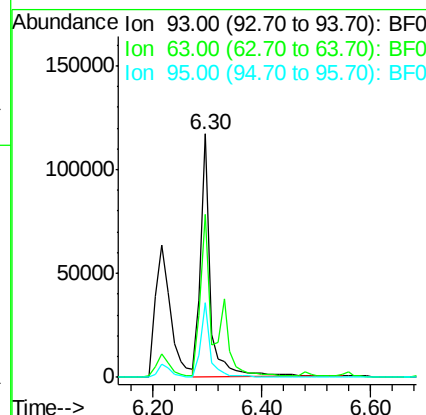
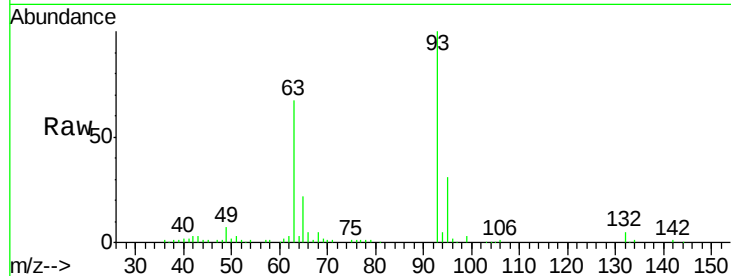




#11
bis(2-Chloroethyl)ether
Concen: 41.10 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

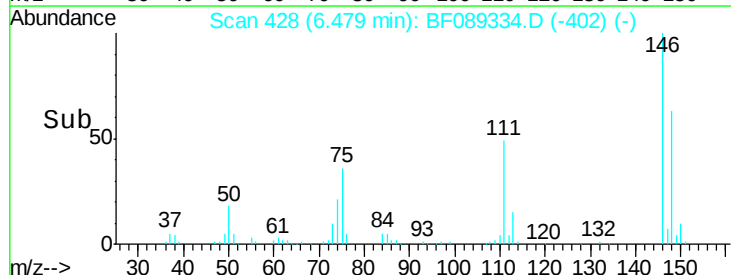
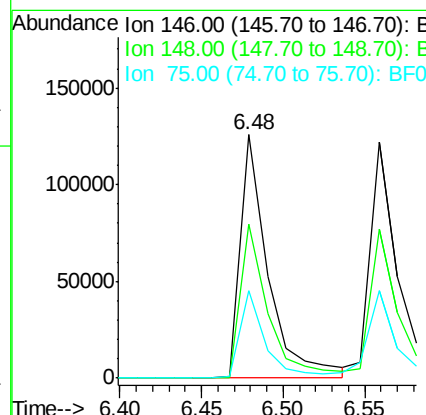
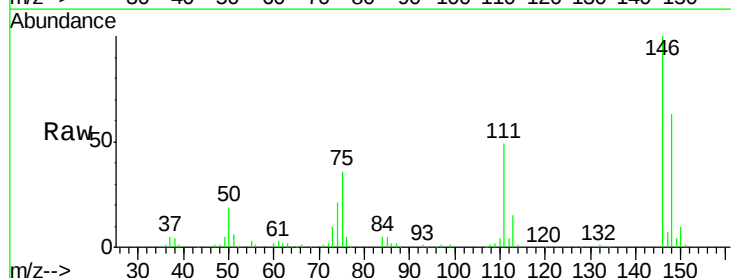
Instrument :
BNA_F
ClientSampleId :
PB92421BS

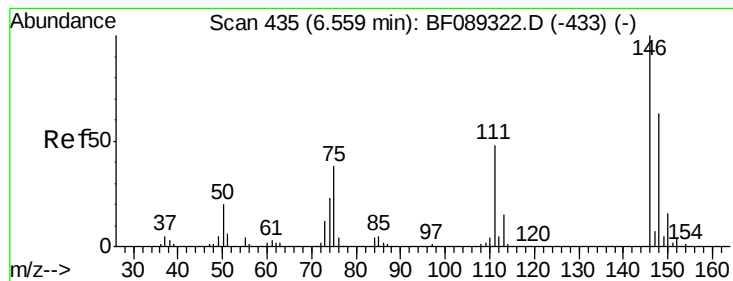
Tgt Ion: 93 Resp: 145637
Ion Ratio Lower Upper
93 100
63 66.8 45.6 85.6
95 30.9 11.1 51.1



#12
1,3-Dichlorobenzene
Concen: 43.59 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

Tgt Ion: 146 Resp: 147502
Ion Ratio Lower Upper
146 100
148 63.4 50.5 75.7
75 36.1 30.0 45.0





#13

1,4-Dichlorobenzene

Concen: 42.28 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

Instrument :

BNA_F

ClientSampleId :

PB92421BS

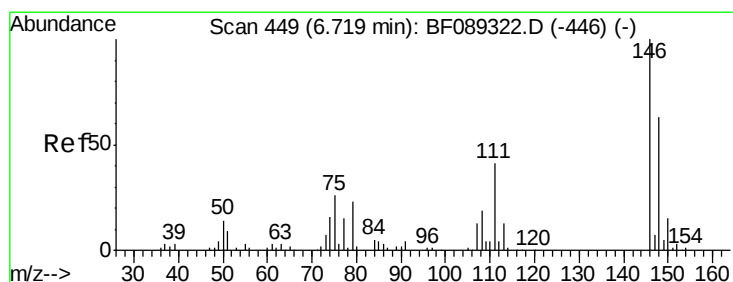
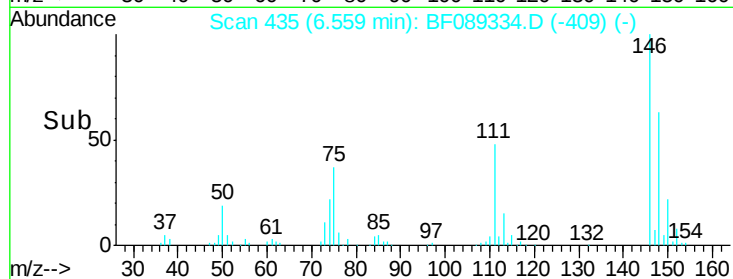
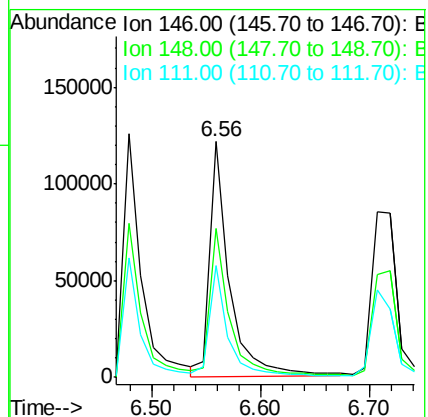
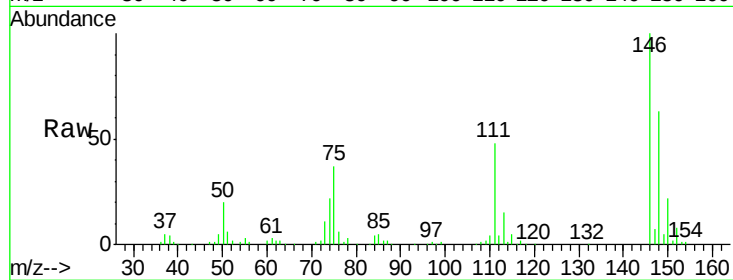
Tgt Ion:146 Resp: 157866

Ion Ratio Lower Upper

146 100

148 63.1 50.8 76.2

111 47.6 38.6 57.8



#14

1,2-Dichlorobenzene

Concen: 46.14 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.16 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

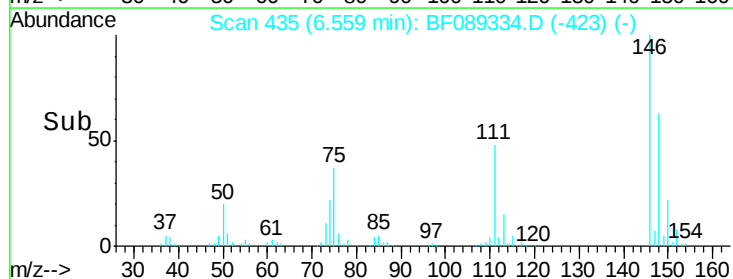
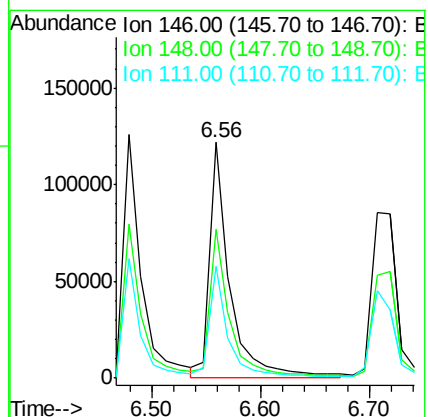
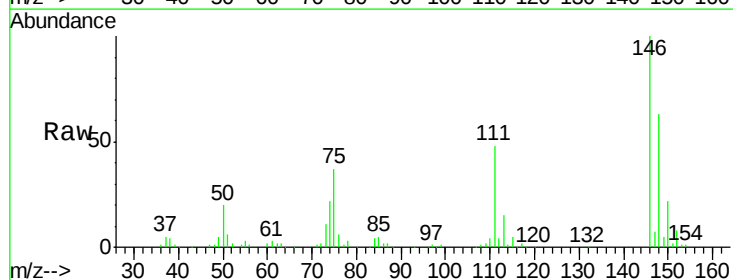
Tgt Ion:146 Resp: 161380

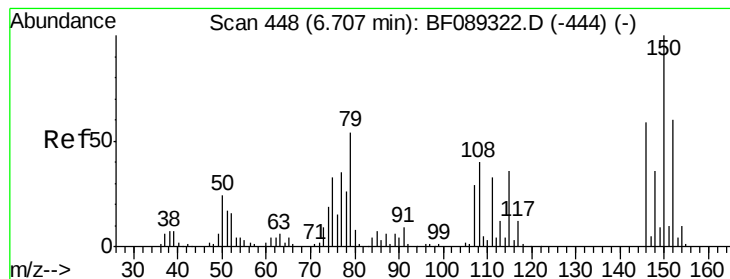
Ion Ratio Lower Upper

146 100

148 63.1 50.4 75.6

111 47.6 33.0 49.4





#15

Benzyl Alcohol

Concen: 52.28 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

Instrument :

BNA_F

ClientSampleId :

PB92421BS

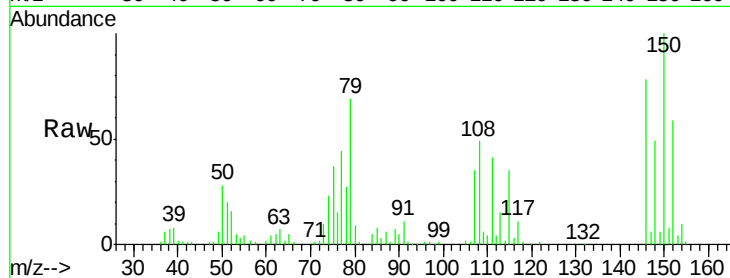
Tgt Ion: 79 Resp: 122600

Ion Ratio Lower Upper

79 100

108 71.6 59.8 89.6

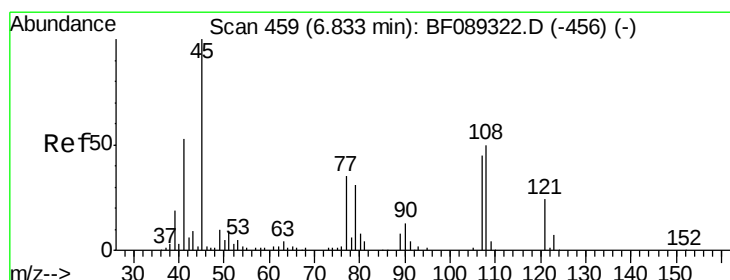
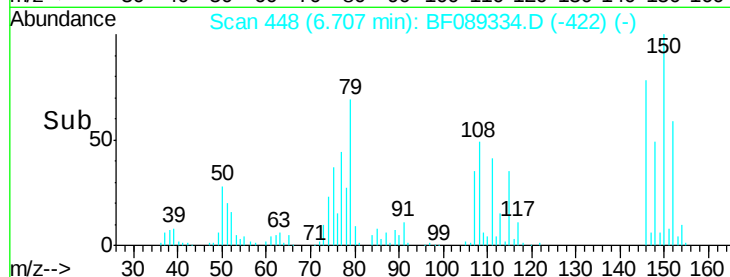
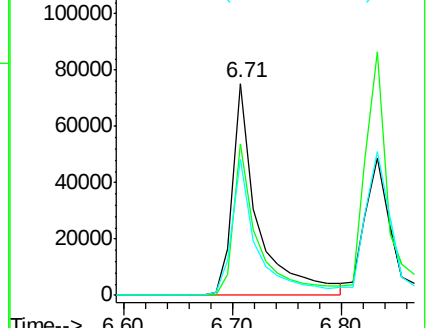
77 64.3 51.7 77.5



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: 41.49 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF089334.D

Acq: 27 Jul 2016 17:51

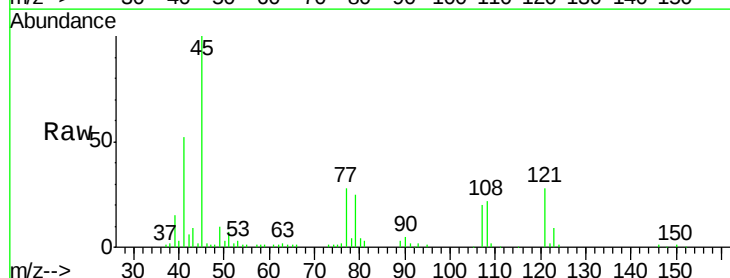
Tgt Ion: 45 Resp: 160363

Ion Ratio Lower Upper

45 100

77 28.1 17.3 57.3

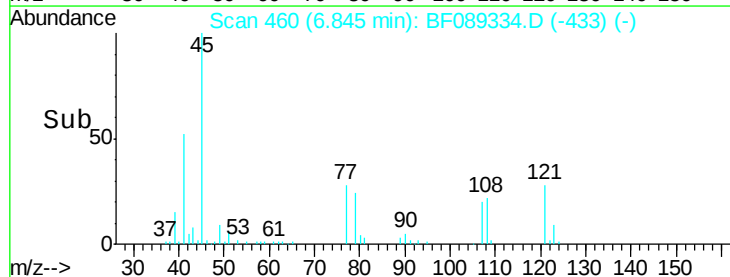
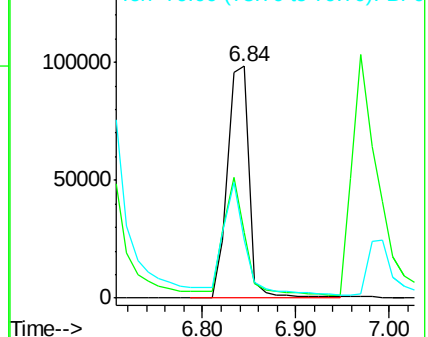
79 24.8 13.9 53.9

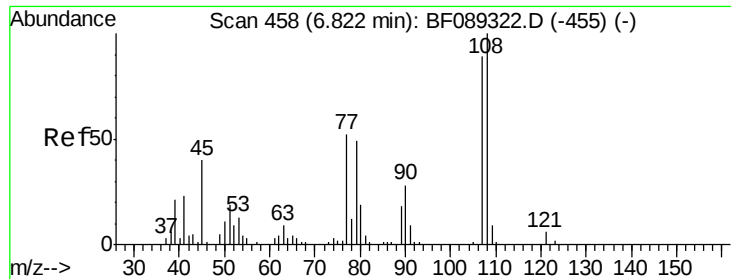


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

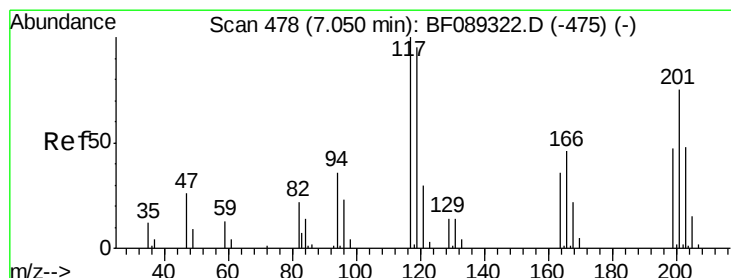
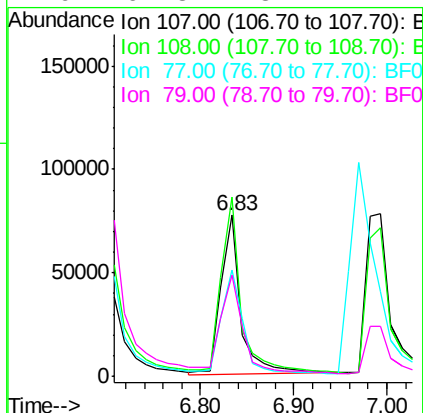
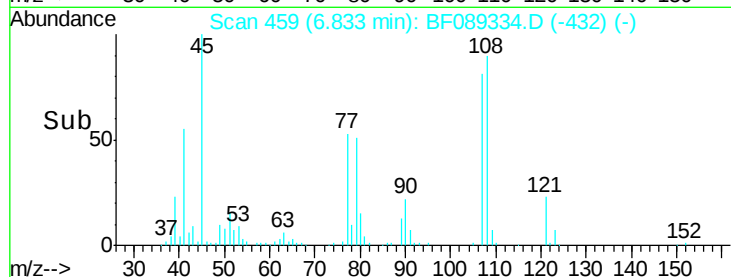
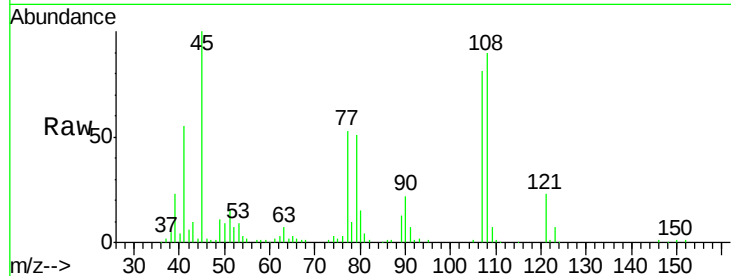




#17
2-Methylphenol
Concen: 44.82 ng
RT: 6.83 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

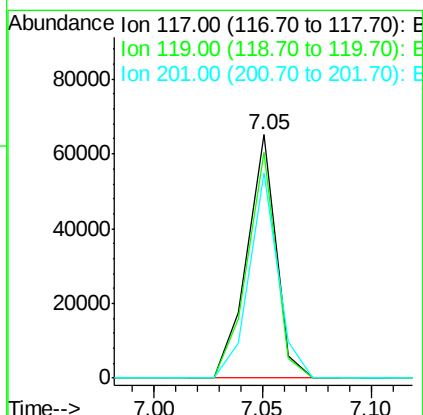
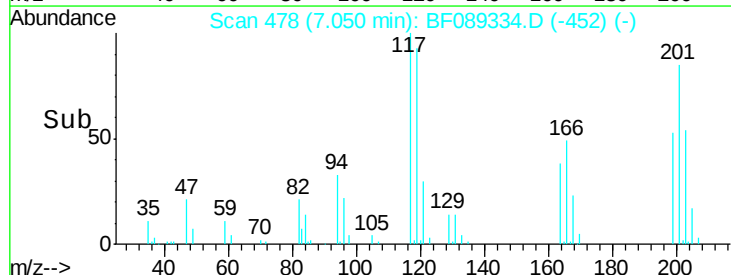
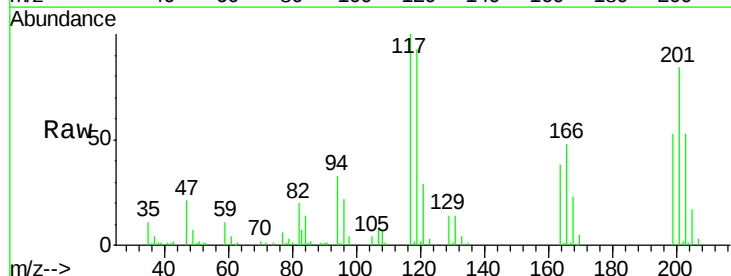
Instrument :
BNA_F
ClientSampleId :
PB92421BS

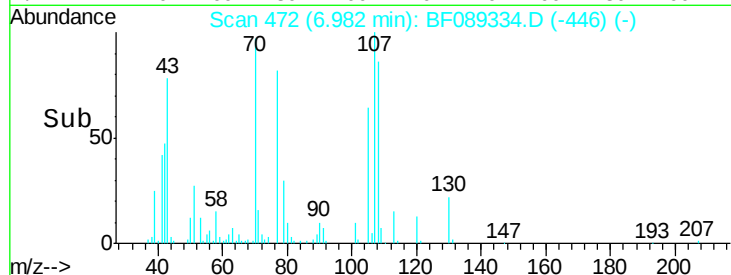
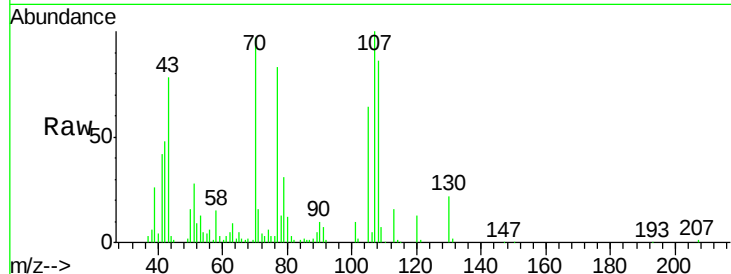
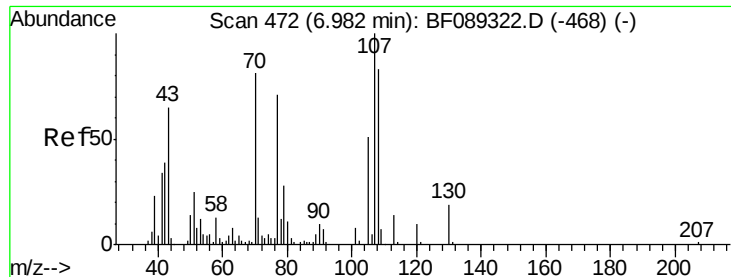
Tgt Ion:107 Resp: 112062
Ion Ratio Lower Upper
107 100
108 111.3 91.4 137.0
77 65.8 48.6 73.0
79 62.8 48.2 72.4



#18
Hexachloroethane
Concen: 42.48 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

Tgt Ion:117 Resp: 60816
Ion Ratio Lower Upper
117 100
119 92.7 76.0 114.0
201 84.2 60.0 90.0

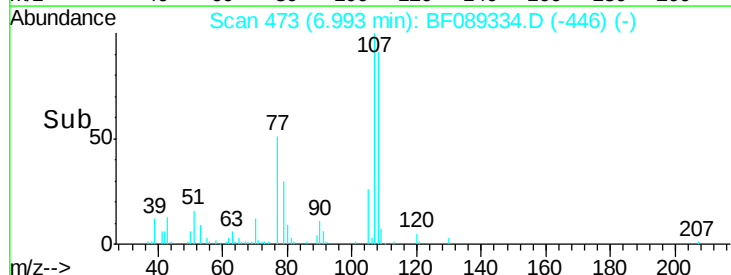
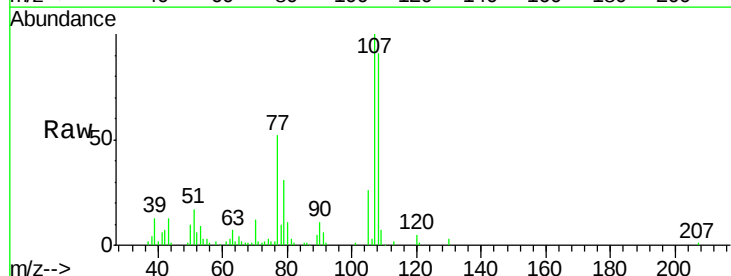
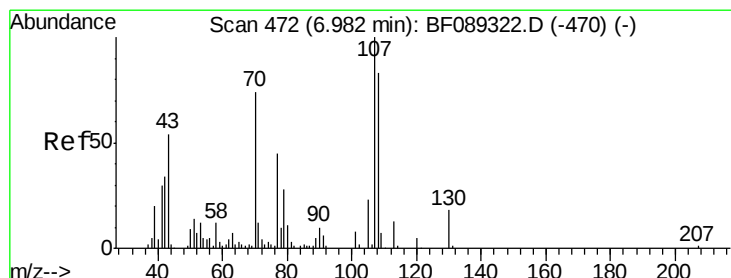
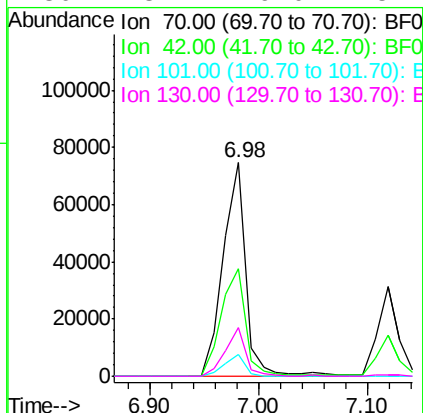




#19
n-Nitroso-di-n-propylamine
Concen: 47.39 ng
RT: 6.98 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

Instrument :
BNA_F
ClientSampleId :
PB92421BS

Tgt Ion:	70	Resp:	107993
Ion	Ratio	Lower	Upper
70	100		
42	50.2	38.6	57.8
101	10.5	8.3	12.5
130	23.1	19.0	28.4



#20
3+4-Methylphenols
Concen: 45.64 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.01 min
Lab File: BF089334.D
Acq: 27 Jul 2016 17:51

Tgt Ion:	107	Resp:	146527
Ion	Ratio	Lower	Upper
107	100		
108	91.0	63.3	103.3
77	52.3	51.1	91.1
79	31.0	9.3	49.3

